

REPUBLIQUE TUNISIENNE  
MINISTÈRE DE L'AGRICULTURE  
DIRECTION DES RESSOURCES EN EAU  
B.I.R.H

**ANNUAIRE  
PLUVIOMETRIQUE  
1981 - 82**



## INTRODUCTION

### I. - PRESENTATION DE L'ANNUAIRE

La présente publication contient toutes les observations pluviométriques mensuelles et annuelles faites dans 584 stations pluviométriques de la Tunisie durant l'année hydrologique 1981-82 qui s'étend du 1<sup>er</sup> Sept 1980 au 31 Août 1981.

La répartition des postes pluviométriques dans le présent annuaire suit la division hydrométrique du pays en 7 grands bassins portant des numéros de codification de 3 à 9 :

- le bassin 3 : couvre l'extrême Nord de la Tunisie : Les pays forestiers du N-W et la région des lacs d'Ichkeul et de Bizerte.
- Le bassin 4 : comprend le bassin versant du Miliane et le Cap-Kon
- Le bassin 5 : correspond au bassin de la Medjorda
- Le bassin 6 : couvre tout le Centre de la Tunisie (Zéroud, Merguellil, Kebhane).
- le bassin 7 : comprend le Sahel de Soussa et de Siak
- Le bassin 8 : s'étend de la limite Sud des bassins 6 et 7 (Centre et Sahel) jusqu'au Nord du Chott el Jerid.
- Le bassin 9 : couvre l'extrême Sud jusqu'aux frontières Algériennes et Libyennes.

A l'intérieur de chaque bassin, les postes pluviométriques sont classés par ordre alphabétique et portent des numéros de codification géographique de cinq chiffres dont le premier correspond au numéro du bassin auquel appartient le poste.

Une liste complète des postes pluviométriques figurant dans cette publication est donnée dans les pages qui suivent.

### II. - PRESENTATION DES RELEVÉS PLUVIOMÉTRIQUES

1/ La première partie de la présente publication est une analyse sommaire de la pluie en Tunisie durant l'année agricole 1981-82. A cet effet 66 stations ont été choisies (à raison de 3 à 4 par gouvernorat) pour caractériser la situation pluviométrique au cours de cette année. Des graphiques et des cartes d'isohyètes, mensuelles saisonnières et annuelles illustrent cette analyse.

2/ La deuxième partie comprend les relevés pluviométriques journaliers. Ces relevés se présentent sous forme de tableaux annuels par station et sont groupés par bassin et par ordre numérique.



. Au bas de chaque tableau nous donnons :

+ les totaux pluviométriques mensuels et annuels si les observations sont complètes.

+ Le nom de l'observateur

+ un commentaire chiffré concernant :

. l'origine des relevés : bulletin original de la DRE  
copie d'après bulletin de l'Institut National de la Météorologie...

. La valeur des observations : Relevés quotidiens ou non  
quotidiens, complets ou incomplets.

. La qualité de ces valeurs : collationnées ou douteuses,  
corrigées ou reconstituées... En effet, dans le souci de publier le maximum  
de relevés pluviométriques, nous avons été amenés à compléter les tableaux  
de certains postes pluviométriques pour lesquels on dispose d'au moins  
bulletins d'observations mensuelles. Les mois manquants sont alors reconsti-  
tués à partir des postes voisins à condition que la valeur estimée ne soit  
pas 15% du total annuel de la station considérée.

+ Pour chaque mois, le nombre de jours de pluie total.

Quant à la critique des données, elle se fait une première  
fois à la réception du bulletin pluviométrique. Elle consiste à comparer  
relevés de postes voisins et éliminer toute observation qui nous semble  
aberrante. une deuxième critique se fait à la préparation de l'annuaire  
une comparaison des bulletins avec leur double, et avec les souches afin  
de noter les rectifications éventuelles. Les valeurs qui nous semblent  
ou acceptables sont reproduites fidèlement telles qu'elles sont sur le  
bulletin d'observations. Aussi quelques pluviométries journalières sont  
décalées d'une journée, les observateurs ont en effet reçu la consigne  
faire leurs observations quotidiennes à 7h du matin et de marquer les pluies  
mesurées à la date de la veille, mais malheureusement cette consigne  
n'a pas toujours été bien respectée. Toutefois, les décalages chevauchant  
2 mois ont été corrigés.

En conclusion, nous prions Messieurs les utilisateurs  
nous communiquer leurs remarques et leurs suggestions afin d'apporter  
améliorations nécessaires à nos futures publications.-



ANALYSE DE LA SITUATION PLUVIOMETRIQUE  
DE L'ANNEE 1981 - 82

- S O M M A I R E -

- Aperçu sur les pluies de l'année 1981 - 82
- Carte 1 : Isohyètes annuelles
- Histogrammes comparatifs pluie annuelle  
et moyenne correspondante.
- Tableau 1 : Situation pluviométrique  
(pluie saisonnière - annuelle - indice)
- Carte 2 : Isohyètes saisonnières
- Tableau 2 : Pluies mensuelles
- Carte 3 : Isohyètes mensuelles
- Tableau 3 : Pluies mensuelles cumulées
- Tableau 4 : Nombre de jours de pluie
- Carte 4 : Nombre de jours de pluie.



# APERÇU SUR LA PLUVIOMETRIE DE L'ANNEE 1981-82

La pluviométrie de l'année 1981-82 a été moyenne sur la Tunisie du Nord, mais déficitaire sur le Centre et le Sud.

+ Au Nord de la Dorsale, les totaux annuels ont dépassé 1000 mm sur les sommets du Nord-Ouest, avec un maximum de 1535 mm à Aïn Draham. Sur le Cap Bon on a enregistré plus de 500 mm (613 mm à Beni Khalled, 588 mm à Grombalia, 508 mm à Hammam Bou Hachem). Des faibles excédents ou déficits couvrent tout le Nord (0% à Béja, - 4% à Jendouba, - 6% au Kef, - 7% à Zaghouan, + 4% à Nabeul, + 10% à Tunis.) à quelques exceptions près (- 15% à Bizerte, - 11% à Siliana + 19% à Hammamet et + 1% à Ghardimaou).

+ Au Sud de la Dorsale, les précipitations ont été inférieures à 300 mm : Elles sont comprises entre 100 et 300 mm sur le Sahel Nord le Kairouanais et la région de Kasserine (260 mm à Sousse 202 mm à Kairouan et 218 mm à Kasserine).

Entre 100 et 200 mm sur le Sahel, de Sfax, sur Sidi Bouzid, Gafsa, Gabès et Medenine (143 mm à Sfax et Gabès 188 mm à Sidi Bouzid, 122 mm à Gafsa 111 mm à Médénine).

Moins de 100 mm sur le reste du pays : 86 mm à Tozeur, 66 mm à Tataouine, 47 mm à Djerid.

Les déficits enregistrés varient entre 25 et 50%, mais atteignent 70% au Sud-Est (Jerba, Zarzis et Ben Guerdane).

La répartition saisonnière des pluies présente :

une saison d'automne partout déficitaire,  
un hiver et un printemps relativement pluvieux;



La participation du printemps est prédominante (40 à 80% du total annuel) sur l'intérieur alors que celle de l'hiver prédomine sur l'extrême Nord, (49% à Bizerte) le Nord-Est (70% à Nabeul) le Sahel Nord (67% à Enfidha) et le Sud-Est (52% à Mednine).

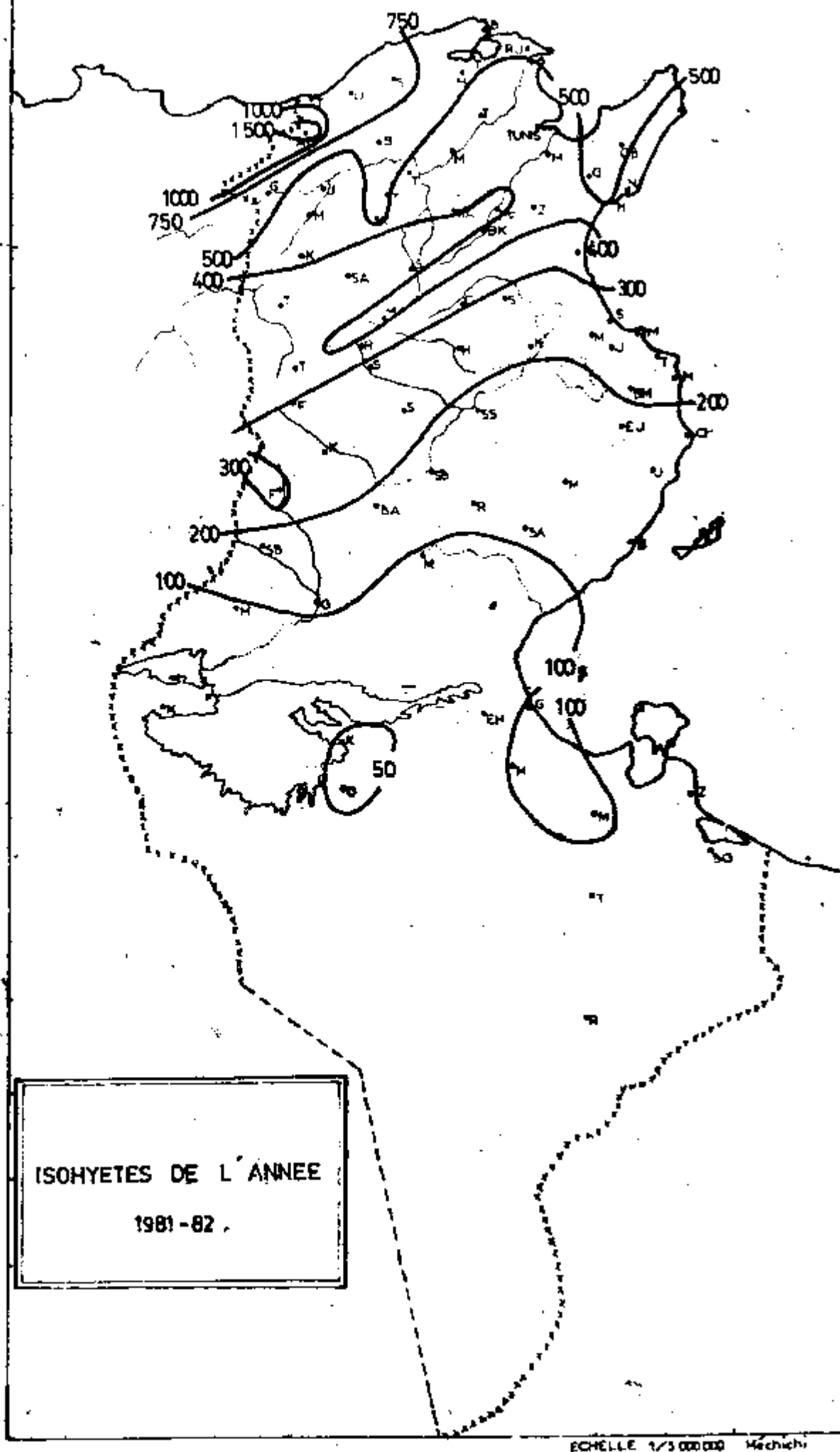
Dans certaines stations (Sfax, Gabès, Kasserine) toutes les saisons sont déficitaires.

A l'échelle mensuelle, les 4 premiers mois de l'année ont été marqués par une sécheresse catastrophique. Les mois de janvier Février, Mars, Avril et Mai ont été plus ou moins pluvieux selon les régions. Ainsi, des excédents très élevés ont été enregistrés mais sont restés très localisés. De ce fait les maxima mensuels sont ventilés sur tous les mois de la saison pluvieuse. Le nombre de mois déficitaires varie entre 6 et 11, et celui des mois complètement secs est très élevé (7 à 8 au Sud).

Les pluies quotidiennes se caractérisent par de faibles intensités. Les maximales correspondent aux pluies du mois de janvier et se situent au Sahel et au Cap Bon : 91,5mm à Sousse, 84mm à Nabeul

: 22.



















SITUATION PLUVIOMETRIQUE PAR SAISON  
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ANNEE 1991-92

|                         | AUTO  | %  | HIVE  | %  | PRIN  | %  | ETE  | %  | T-AN   | MOYENNE | ECART  |
|-------------------------|-------|----|-------|----|-------|----|------|----|--------|---------|--------|
| GOUVERNORAT DE NIZETI   |       |    |       |    |       |    |      |    |        |         |        |
| NIZETI                  | 21.1  | 16 | 265.6 | 47 | 190.6 | 36 | 7.3  | 7  | 519.6  | 670.0   | - 91.4 |
| RAS JEDIL               | 59.0  | 10 | 307.0 | 57 | 225.0 | 39 | 10.5 | 2  | 601.5  | 556.0   | + 45.5 |
| TINJA                   | 61.0  | 12 | 260.3 | 52 | 169.4 | 34 | 5.0  | 1  | 496.6  | 573.0   | - 76.4 |
| MATEUR                  | 70.6  | 14 | 255.3 | 60 | 188.0 | 37 | 6.3  | 7  | 529.2  | 525.0   | - 5.8  |
| SEJENAF                 | 110.0 | 12 | 509.0 | 57 | 255.0 | 29 | 20.0 | 2  | 893.0  | 855.0   | + 38.0 |
| GOUVERNORAT DE TUNIS    |       |    |       |    |       |    |      |    |        |         |        |
| TUNIS MANOUB            | 93.0  | 10 | 240.0 | 51 | 141.5 | 30 | 6.5  | 2  | 490.0  | 442.0   | + 48.0 |
| TUNIS CARTHAGE          | 64.0  | 15 | 338.3 | 57 | 177.0 | 31 | 18.3 | 5  | 445.4  | 469.0   | - 23.6 |
| POIN BERGERI            | 70.1  | 17 | 254.1 | 55 | 133.3 | 30 | 0.0  | 0  | 466.5  | 590.0   | -123.5 |
| SIDI THAPET             | 57.7  | 15 | 185.9 | 49 | 127.0 | 33 | 10.7 | 3  | 387.1  | 494.0   | -101.9 |
| GOUVERNORAT DE BEJA     |       |    |       |    |       |    |      |    |        |         |        |
| BEJA                    | 101.3 | 17 | 250.4 | 40 | 267.6 | 41 | 20.0 | 4  | 631.3  | 630.0   | + 1.3  |
| MEDJEZ                  | 127.7 | 28 | 167.6 | 31 | 163.4 | 30 | 0.0  | 0  | 458.4  | 420.0   | + 38.4 |
| TESTOUR                 | 82.0  | 20 | 167.9 | 41 | 158.7 | 39 | 5.0  | 2  | 413.1  | 467.0   | - 53.9 |
| TEBOURSCOU              | 109.1 | 18 | 216.1 | 36 | 265.0 | 44 | 16.2 | 3  | 606.4  | 590.0   | + 16.4 |
| OUCHTATA                | 132.3 | 14 | 540.7 | 57 | 260.5 | 21 | 15.0 | 2  | 956.5  | 907.0   | - 49.5 |
| GOUVERNORAT DE JENDOUBA |       |    |       |    |       |    |      |    |        |         |        |
| JENDOUBA                | 57.1  | 13 | 152.8 | 34 | 238.8 | 53 | 5.0  | 2  | 453.7  | 468.2   | - 14.5 |
| BOU SALEM               | 90.2  | 20 | 169.2 | 37 | 190.0 | 44 | 5.0  | 2  | 462.4  | 470.0   | - 7.6  |
| AIN DRAHMAN             | 204.1 | 14 | 744.0 | 49 | 530.0 | 35 | 54.2 | 4  | 1533.1 | 1587.0  | - 53.9 |
| TABARKA                 | 190.3 | 20 | 484.0 | 51 | 268.5 | 38 | 22.4 | 3  | 965.2  | 1060.0  | - 94.8 |
| GHARDIMAOUI             | 77.0  | 16 | 181.8 | 37 | 276.7 | 48 | 1.5  | 1  | 497.5  | 434.0   | + 63.5 |
| GOUVERNORAT DU KEF      |       |    |       |    |       |    |      |    |        |         |        |
| KEF                     | 77.2  | 16 | 177.7 | 35 | 226.4 | 45 | 32.8 | 7  | 514.1  | 545.0   | - 30.9 |
| OUED MELLES             | 48.0  | 16 | 107.5 | 34 | 148.0 | 43 | 12.1 | 4  | 316.5  | 325.0   | - 8.5  |
| SERS                    | 76.0  | 33 | 97.4  | 26 | 135.0 | 40 | 41.8 | 13 | 341.1  | 422.0   | - 80.9 |
| BAHMANI                 | 82.6  | 22 | 112.5 | 30 | 178.6 | 47 | 10.9 | 3  | 384.6  | 526.0   | -139.4 |
| TAJEROUINE              | 87.0  | 25 | 103.5 | 30 | 140.5 | 41 | 10.0 | 6  | 350.0  | 406.0   | - 56.0 |
| GOUVERNORAT DE SILIANA  |       |    |       |    |       |    |      |    |        |         |        |
| SILIANA                 | 84.0  | 22 | 97.4  | 34 | 193.0 | 50 | 19.0 | 5  | 389.2  | 433.4   | - 44.2 |
| BOU ARADA               | 85.0  | 10 | 123.3 | 38 | 105.7 | 43 | 3.5  | 1  | 457.0  | 404.0   | + 53.0 |
| KRIP                    | 79.5  | 15 | 209.5 | 49 | 240.5 | 46 | 2.0  | 1  | 531.5  | 659.0   | -127.5 |
| MAKTHAP                 | 129.1 | 27 | 131.4 | 28 | 215.1 | 45 | 8.4  | 2  | 484.0  | 525.0   | - 41.0 |
| ROMIA                   | 66.3  | 27 | 90.3  | 39 | 147.1 | 46 | 15.0 | 5  | 313.7  | 309.0   | + 4.7  |
| GOUVERNORAT DE ZAGHOUAN |       |    |       |    |       |    |      |    |        |         |        |
| ZAGHOUAN                | 56.8  | 13 | 234.0 | 54 | 140.3 | 34 | 0.0  | 0  | 440.1  | 470.0   | - 29.9 |
| BOU ARFIA               | 77.1  | 10 | 218.0 | 57 | 132.7 | 31 | 0.0  | 0  | 478.7  | 445.0   | + 33.7 |
| TEBOURNA                | 69.3  | 17 | 170.5 | 42 | 165.1 | 40 | 7.7  | 3  | 413.6  | 460.0   | - 46.4 |
| PONT DU FAHS            | 90.0  | 25 | 170.3 | 47 | 106.0 | 27 | 1.0  | 1  | 367.3  | 522.0   | -154.7 |
| DGE KERIF               | 91.7  | 21 | 207.7 | 46 | 151.8 | 34 | 3.0  | 1  | 448.8  | 530.0   | - 81.2 |
| GOUVERNORAT DE NARBONNE |       |    |       |    |       |    |      |    |        |         |        |
| NARBONNE                | 33.9  | 0  | 276.4 | 70 | 97.6  | 22 | 0.5  | 1  | 398.4  | 322.0   | + 76.4 |
| KELIBIA                 | 59.4  | 14 | 287.4 | 65 | 97.1  | 22 | 3.0  | 1  | 446.9  | 465.0   | - 18.1 |
| CHIBA RAPPAGE           | 57.2  | 11 | 343.1 | 63 | 141.0 | 26 | 9.4  | 2  | 551.6  | 530.0   | + 21.6 |
| GROMHALIA               | 144.3 | 25 | 311.6 | 53 | 131.3 | 23 | 1.6  | 1  | 588.8  | 500.0   | + 88.8 |
| HAMAMET                 | 51.1  | 11 | 343.3 | 68 | 117.7 | 23 | 0.0  | 0  | 508.0  | 426.0   | + 82.0 |
| GOUVERNORAT DE SOUSSE   |       |    |       |    |       |    |      |    |        |         |        |
| SOUSSE                  | 37.0  | 15 | 150.5 | 61 | 64.0  | 25 | 0.0  | 0  | 260.4  | 330.0   | - 69.6 |
| ENFIDA                  | 44.0  | 10 | 254.2 | 67 | 93.0  | 22 | 1.0  | 1  | 392.2  | 364.0   | + 28.2 |
| KALAA SEGHIRA           | 33.4  | 14 | 135.6 | 57 | 65.0  | 27 | 7.0  | 3  | 241.0  | 380.0   | -139.0 |
| MSAKEN                  | 28.0  | 10 | 103.2 | 64 | 41.6  | 22 | 0.0  | 0  | 192.8  | 375.0   | -182.2 |
| GOUVERNORAT DE MONASTIR |       |    |       |    |       |    |      |    |        |         |        |
| MONASTIR                | 35.0  | 17 | 135.0 | 65 | 30.3  | 10 | 0.5  | 1  | 211.6  | 401.0   | -189.4 |
| JEMMAL                  | 47.0  | 17 | 135.0 | 66 | 40.0  | 18 | 0.0  | 0  | 281.0  | 509.0   | -228.0 |
| TEBOULSA                | 44.7  | 25 | 90.6  | 57 | 37.8  | 20 | 0.0  | 0  | 177.6  | 361.0   | -183.4 |
|                         | AUTO  | %  | HIVE  | %  | PRIN  | %  | ETE  | %  | T-AN   | MOYENNE | ECART  |

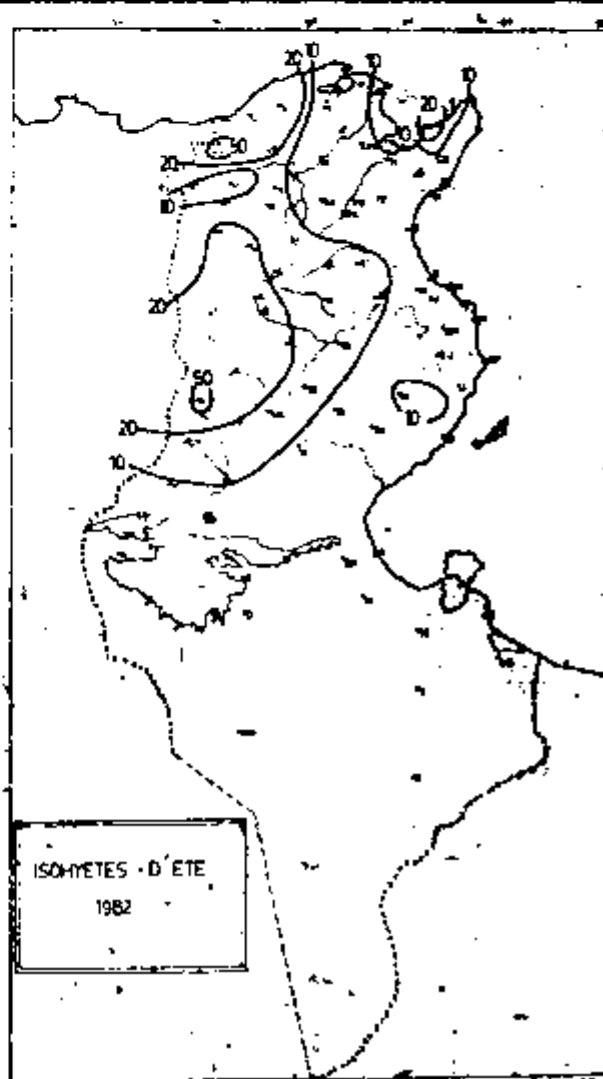
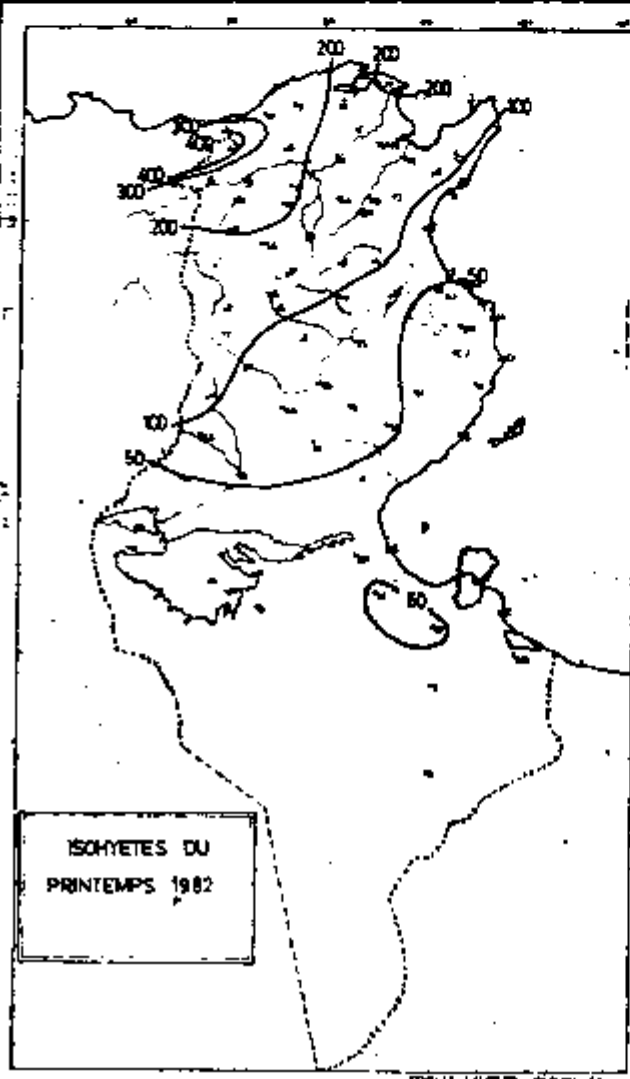
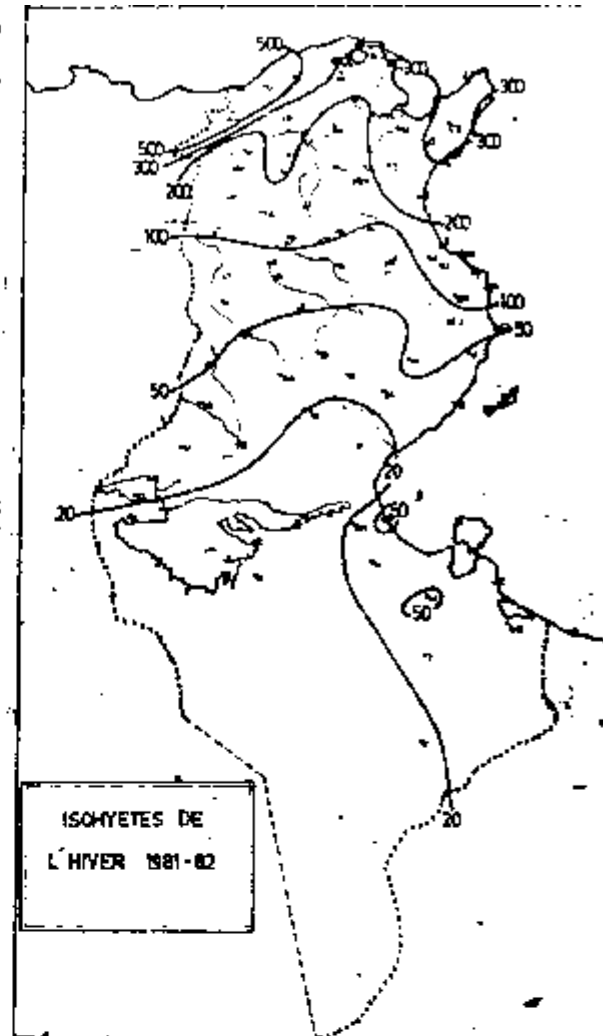
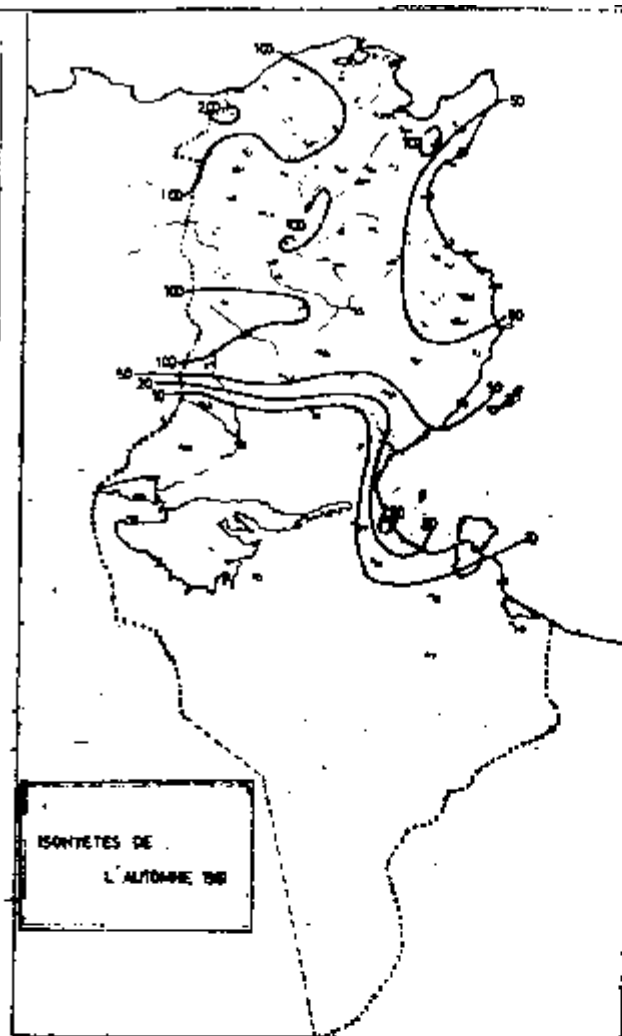


SITUATION PLUVIOMETRIQUE PAR SAISON  
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ANNEE 1981-82

|                            | AUTO  | %  | HIVE  | %  | PRIN  | %  | ETE  | %  | T-AN  | MOYENNE | ECART  | INDICE |
|----------------------------|-------|----|-------|----|-------|----|------|----|-------|---------|--------|--------|
| GOUVERNORAT DE MANDIA      |       |    |       |    |       |    |      |    |       |         |        |        |
| MA                         | 42.4  | 17 | 168.6 | 66 | 46.6  | 19 | 0.1  | 1  | 257.9 | 435.0   | -177.1 | 0.50   |
| MERDES                     | 38.1  | 18 | 134.7 | 64 | 40.0  | 19 | 0.0  | 0  | 212.9 | 330.0   | -117.2 | 0.64   |
| EM                         | 70.5  | 40 | 71.0  | 40 | 38.0  | 22 | 0.0  | 0  | 170.5 | 201.0   | -111.5 | 0.61   |
| BA                         | 60.7  | 42 | 55.5  | 44 | 17.5  | 10 | 0.0  | 0  | 120.7 | 192.0   | -268.3 | 0.32   |
| GOUVERNORAT DE KAHOUAN     |       |    |       |    |       |    |      |    |       |         |        |        |
| KAHOUAN                    | 50.5  | 35 | 75.2  | 38 | 57.8  | 29 | 19.9 | 10 | 202.4 | 305.0   | -102.6 | 0.66   |
| HA                         | 61.2  | 23 | 77.6  | 30 | 112.7 | 44 | 15.0 | 6  | 271.5 | 325.0   | -53.5  | 0.83   |
| OUZ                        | 46.2  | 27 | 66.3  | 31 | 88.5  | 42 | 14.6 | 7  | 215.6 | 300.0   | -84.4  | 0.71   |
| ELATIA                     | 81.2  | 21 | 127.6 | 33 | 179.4 | 48 | 4.0  | 1  | 392.2 | 438.0   | -45.8  | 0.90   |
| SAAD                       | 67.9  | 42 | 44.6  | 30 | 38.4  | 26 | 5.0  | 4  | 140.9 | 274.0   | -124.1 | 0.54   |
| GOUVERNORAT DE KASSERINE   |       |    |       |    |       |    |      |    |       |         |        |        |
| KASSERINE                  | 60.6  | 32 | 30.4  | 19 | 83.7  | 41 | 20.2 | 10 | 217.9 | 310.0   | -82.1  | 0.70   |
| TLA                        | 108.4 | 36 | 67.2  | 23 | 87.7  | 39 | 30.0 | 13 | 302.3 | 341.0   | -38.7  | 0.88   |
| JA                         | 92.3  | 35 | 81.2  | 33 | 190.4 | 49 | 20.0 | 6  | 375.9 | 526.0   | -150.1 | 0.71   |
| ISANA                      | 131.4 | 47 | 40.6  | 18 | 94.8  | 34 | 4.9  | 2  | 280.5 | 263.0   | +17.5  | 1.06   |
| ANA                        | 66.4  | 20 | 47.7  | 15 | 125.1 | 38 | 94.4 | 29 | 335.6 | 341.0   | -5.4   | 0.98   |
| GOUVERNORAT DE DIBI ROUZID |       |    |       |    |       |    |      |    |       |         |        |        |
| DIBI ROUZID                | 54.4  | 20 | 30.8  | 22 | 96.7  | 47 | 7.2  | 4  | 188.1 | 224.0   | -35.9  | 0.83   |
| MOUJ                       | 63.9  | 30 | 36.7  | 23 | 54.0  | 32 | 15.0 | 9  | 160.0 | 321.0   | -212.0 | 0.44   |
| IA                         | 41.5  | 25 | 48.9  | 30 | 45.7  | 28 | 10.0 | 20 | 168.1 | 188.0   | -19.9  | 0.80   |
| IASSY                      | 5.3   | 7  | 11.4  | 14 | 65.9  | 79 | 0.8  | 1  | 87.3  | 202.0   | -118.7 | 0.41   |
| IBI DELEG                  | 36.5  | 31 | 30.5  | 26 | 54.0  | 45 | 0.0  | 0  | 171.0 | 260.0   | -139.0 | 0.46   |
| GOUVERNORAT DE Sfax        |       |    |       |    |       |    |      |    |       |         |        |        |
| Sfax                       | 64.5  | 46 | 37.4  | 23 | 44.0  | 31 | 0.0  | 2  | 142.9 | 210.0   | -67.1  | 0.68   |
| EL CHAKER                  | 65.6  | 38 | 54.7  | 30 | 40.4  | 28 | 12.0 | 7  | 181.7 | 235.0   | -53.3  | 0.77   |
| CHIANA                     | 50.1  | 51 | 34.6  | 30 | 22.7  | 20 | 0.0  | 0  | 116.4 | 265.0   | -148.6 | 0.43   |
| ERAP                       | 40.3  | 48 | 16.5  | 10 | 30.7  | 37 | 0.0  | 0  | 88.7  | 215.0   | -126.3 | 0.41   |
| ALI KALIF                  | 21.5  | 10 | 42.7  | 16 | 55.5  | 47 | 0.0  | 0  | 110.2 | 202.0   | -82.8  | 0.50   |
| GOUVERNORAT DE GAFSA       |       |    |       |    |       |    |      |    |       |         |        |        |
| GAFSA                      | 5.0   | 5  | 42.8  | 35 | 50.0  | 40 | 14.6 | 12 | 122.3 | 170.0   | -47.7  | 0.71   |
| AGUI                       | 5.0   | 7  | 28.4  | 39 | 40.5  | 54 | 1.7  | 3  | 75.6  | 157.0   | -81.4  | 0.48   |
| GOUVERNORAT DE TOZEUR      |       |    |       |    |       |    |      |    |       |         |        |        |
| TOZEUR                     | 6.3   | 0  | 15.4  | 18 | 64.7  | 75 | 0.0  | 0  | 86.4  | 100.0   | -13.6  | 0.86   |
| JA                         | 1.5   | 2  | 9.7   | 13 | 65.2  | 83 | 0.0  | 0  | 76.4  | 94.0    | -17.6  | 0.81   |
| GOUVERNORAT DE KERILI      |       |    |       |    |       |    |      |    |       |         |        |        |
| KERILI                     | 1.7   | 5  | 14.4  | 31 | 30.9  | 66 | 0.0  | 0  | 42.1  | 93.0    | -45.9  | 0.50   |
| JA                         | 0.0   | 0  | 16.8  | 36 | 31.7  | 56 | 0.0  | 0  | 48.0  | 109.0   | -61.0  | 0.44   |
| GOUVERNORAT DE GARES       |       |    |       |    |       |    |      |    |       |         |        |        |
| GARES                      | 56.6  | 40 | 42.8  | 35 | 37.0  | 26 | 0.0  | 0  | 143.4 | 190.0   | -46.6  | 0.75   |
| ATA                        | 14.0  | 12 | 31.5  | 16 | 30.5  | 64 | 0.0  | 0  | 125.0 | 230.0   | -105.0 | 0.54   |
| GOUVERNORAT DE MEKNINE     |       |    |       |    |       |    |      |    |       |         |        |        |
| MEKNINE                    | 3.1   | 7  | 57.1  | 52 | 50.8  | 46 | 0.0  | 0  | 111.0 | 145.0   | -34.0  | 0.76   |
| JA                         | 11.2  | 10 | 30.2  | 51 | 26.7  | 36 | 0.0  | 0  | 76.1  | 261.0   | -184.9 | 0.29   |
| IS                         | 3.0   | 5  | 34.5  | 53 | 27.2  | 43 | 0.0  | 0  | 65.3  | 217.0   | -151.7 | 0.30   |
| GUERDANE                   | 1.5   | 7  | 10.9  | 36 | 34.5  | 67 | 0.0  | 0  | 55.9  | 180.0   | -124.1 | 0.31   |
| GOUVERNORAT DE TATAOUINE   |       |    |       |    |       |    |      |    |       |         |        |        |
| TATAOUINE                  | 0.0   | 0  | 21.0  | 32 | 45.7  | 69 | 0.0  | 0  | 66.7  | 130.0   | -63.3  | 0.51   |
| JA                         | 14.3  | 20 | 17.7  | 15 | 10.4  | 37 | 0.0  | 0  | 57.5  | 70.0    | -12.5  | 0.75   |
|                            | AUTO  | %  | HIVE  | %  | PRIN  | %  | ETE  | %  | T-AN  | MOYENNE | ECART  | INDICE |







## PLUVIOMETRIE MENSUELLE ET ANNUELLE

MMES 1971-72

|                            | SEPT | OCTO | NOVE | DECE | JANV  | FEVR | MARS | AVRI  | MAI  | JUIN | JUIL | AOUT | TOTAL |
|----------------------------|------|------|------|------|-------|------|------|-------|------|------|------|------|-------|
| GOUVERNORAT DE MAHDIYA     |      |      |      |      |       |      |      |       |      |      |      |      |       |
| MAHOTA                     | 1.7  | 34.3 | 6.4  | 10.4 | 28.6  | 50.4 | 14.3 | 21.2  | 11.1 | 0.0  | 0.0  | 0.3  | 257.9 |
| SOU MERDES                 | 0.0  | 31.4 | 6.7  | 12.0 | 106.0 | 10.7 | 10.0 | 20.5  | 9.5  | 0.0  | 0.0  | 0.0  | 212.3 |
| EL JEM                     | 1.7  | 68.0 | 1.0  | 12.0 | 41.5  | 17.5 | 8.0  | 24.5  | 7.3  | 0.0  | 0.0  | 0.0  | 179.5 |
| CHEBBA                     | 0.0  | 51.4 | 0.1  | 13.2 | 26.7  | 14.1 | 7.0  | 5.5   | 0.0  | 0.0  | 0.0  | 0.0  | 178.7 |
| GOUVERNORAT DE KAIROUAN    |      |      |      |      |       |      |      |       |      |      |      |      |       |
| KAIROUAN                   | 4.3  | 36.9 | 9.3  | 14.3 | 43.6  | 17.3 | 15.4 | 29.7  | 12.8 | 0.0  | 0.0  | 19.7 | 202.4 |
| SBIKHA                     | 20.8 | 37.4 | 12.4 | 7.5  | 54.6  | 17.5 | 49.7 | 55.3  | 13.2 | 0.0  | 0.0  | 15.0 | 271.5 |
| HAFFOUZ                    | 6.4  | 37.5 | 2.0  | 0.5  | 37.4  | 10.4 | 7.4  | 57.9  | 23.2 | 14.6 | 0.0  | 0.0  | 215.6 |
| QUESLATIA                  | 37.7 | 27.6 | 20.5 | 0.0  | 35.4  | 33.2 | 28.7 | 90.0  | 60.5 | 0.0  | 0.0  | 4.0  | 392.2 |
| SIDI SAAD                  | 20.1 | 41.4 | 0.0  | 12.6 | 27.3  | 0.7  | 1.0  | 75.0  | 12.4 | 0.0  | 5.0  | 0.0  | 149.3 |
| GOUVERNORAT DE KASSERINE   |      |      |      |      |       |      |      |       |      |      |      |      |       |
| KASSERINE                  | 54.0 | 14.3 | 9.7  | 5.4  | 23.0  | 14.0 | 7.4  | 59.3  | 27.0 | 4.5  | 1.0  | 14.7 | 217.0 |
| SBETILA                    | 66.4 | 42.3 | 0.0  | 7.5  | 35.2  | 24.5 | 5.5  | 51.2  | 31.0 | 27.0 | 5.5  | 6.5  | 302.3 |
| THALA                      | 67.5 | 37.9 | 6.0  | 18.5 | 14.0  | 28.7 | 24.8 | 100.2 | 55.4 | 8.1  | 1.5  | 12.4 | 375.9 |
| FOUSSANA                   | 47.0 | 43.7 | 1.2  | 5.0  | 11.4  | 35.0 | 6.6  | 40.3  | 38.9 | 3.4  | 0.0  | 1.5  | 280.5 |
| FERIANA                    | 45.5 | 20.9 | 0.0  | 4.0  | 25.7  | 10.1 | 7.3  | 78.3  | 45.5 | 17.4 | 9.1  | 67.9 | 335.6 |
| GOUVERNORAT DE SIDI BOUZID |      |      |      |      |       |      |      |       |      |      |      |      |       |
| SIDI BOUZID                | 24.0 | 27.5 | 2.0  | 1.3  | 29.7  | 17.3 | 0.5  | 55.6  | 21.6 | 5.6  | 0.0  | 1.6  | 158.1 |
| MEP ADUN                   | 42.2 | 21.6 | 0.0  | 7.5  | 24.6  | 7.1  | 2.5  | 24.5  | 27.0 | 0.0  | 0.5  | 9.5  | 160.0 |
| JELMA                      | 13.3 | 25.6 | 3.6  | 4.9  | 24.6  | 19.5 | 2.0  | 25.7  | 18.0 | 5.0  | 8.0  | 10.0 | 168.1 |
| MEKNASSY                   | 7.3  | 4.0  | 0.0  | 0.0  | 5.3   | 4.1  | 3.1  | 40.6  | 17.1 | 0.0  | 0.0  | 0.0  | 83.3  |
| PEGUER BELEG               | 13.0 | 14.5 | 0.0  | 3.0  | 17.5  | 10.0 | 5.0  | 31.0  | 15.0 | 0.0  | 0.0  | 0.0  | 121.0 |
| GOUVERNORAT DE SFAX        |      |      |      |      |       |      |      |       |      |      |      |      |       |
| SFAX                       | 1.5  | 57.4 | 3.6  | 2.0  | 13.3  | 16.7 | 9.4  | 15.2  | 0.4  | 0.0  | 0.0  | 3.0  | 142.9 |
| MENZEL CHAKER              | 5.4  | 60.0 | 0.0  | 4.0  | 13.1  | 37.6 | 9.0  | 34.6  | 6.3  | 0.0  | 0.0  | 12.7 | 181.7 |
| JERMINIANA                 | 3.0  | 56.1 | 0.0  | 6.7  | 14.2  | 15.7 | 7.9  | 14.4  | 0.0  | 0.0  | 0.0  | 0.0  | 116.4 |
| KEPPEHAH                   | 0.0  | 40.7 | 0.0  | 0.0  | 11.0  | 5.5  | 5.7  | 26.5  | 0.0  | 0.0  | 0.0  | 0.0  | 88.7  |
| PIP ALI KALIF              | 2.0  | 19.5 | 0.0  | 4.5  | 15.4  | 27.3 | 7.4  | 42.8  | 5.3  | 0.0  | 0.0  | 2.7  | 119.2 |
| GOUVERNORAT DE GAFSA       |      |      |      |      |       |      |      |       |      |      |      |      |       |
| GAFSA                      | 4.0  | 7.0  | 0.0  | 6.3  | 23.3  | 13.7 | 1.7  | 37.7  | 20.9 | 14.6 | 0.0  | 0.0  | 122.2 |
| MECLAOUJ                   | 0.0  | 3.0  | 0.0  | 4.4  | 15.0  | 0.0  | 0.0  | 22.5  | 18.0 | 1.7  | 0.0  | 0.0  | 75.6  |
| GOUVERNORAT DE TOZEUR      |      |      |      |      |       |      |      |       |      |      |      |      |       |
| TOZEUR                     | 6.7  | 0.0  | 0.0  | 0.6  | 5.5   | 13.3 | 1.7  | 36.4  | 27.6 | 0.0  | 0.0  | 0.0  | 76.4  |
| NEFTA                      | 1.5  | 0.7  | 0.0  | 1.2  | 1.0   | 4.0  | 0.0  | 37.2  | 28.0 | 0.0  | 0.0  | 0.0  | 76.4  |
| GOUVERNORAT DE KERILI      |      |      |      |      |       |      |      |       |      |      |      |      |       |
| KERILI                     | 3.0  | 0.0  | 0.0  | 0.3  | 7.5   | 6.1  | 7.0  | 21.3  | 2.5  | 0.0  | 0.0  | 0.0  | 47.1  |
| DOUZ                       | 0.0  | 0.0  | 0.0  | 0.0  | 14.3  | 7.5  | 11.5 | 17.7  | 0.0  | 0.0  | 0.0  | 0.0  | 40.0  |
| GOUVERNORAT DE GARES       |      |      |      |      |       |      |      |       |      |      |      |      |       |
| GARES                      | 5.7  | 6.1  | 44.7 | 3.1  | 23.6  | 23.4 | 19.0 | 15.8  | 1.7  | 0.0  | 0.0  | 0.0  | 143.4 |
| MATPATA                    | 0.0  | 14.0 | 0.0  | 7.0  | 16.0  | 13.5 | 16.0 | 43.5  | 0.0  | 0.0  | 0.0  | 0.0  | 125.0 |
| GOUVERNORAT DE MEDNINE     |      |      |      |      |       |      |      |       |      |      |      |      |       |
| MEDNINE                    | 1.0  | 0.2  | 1.0  | 0.7  | 57.1  | 6.7  | 25.0 | 23.9  | 1.0  | 0.0  | 0.0  | 0.0  | 111.0 |
| JEPPA                      | 0.6  | 10.6 | 0.0  | 14.1 | 13.5  | 10.3 | 11.6 | 14.7  | 0.4  | 0.0  | 0.0  | 0.0  | 76.1  |
| ZARZIS                     | 1.5  | 1.5  | 0.0  | 10.0 | 13.5  | 6.0  | 3.0  | 27.3  | 2.5  | 0.0  | 0.0  | 0.0  | 65.3  |
| MEI GUERDANE               | 0.0  | 0.0  | 0.5  | 1.5  | 7.4   | 17.0 | 13.5 | 27.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55.9  |
| GOUVERNORAT DE TATAQUINE   |      |      |      |      |       |      |      |       |      |      |      |      |       |
| TATAQUINE                  | 0.0  | 0.0  | 0.0  | 0.0  | 11.5  | 7.5  | 14.0 | 27.2  | 0.5  | 0.0  | 0.0  | 0.0  | 66.7  |
| REMABA                     | 1.6  | 7.3  | 10.4 | 0.0  | 7.0   | 17.3 | 6.7  | 10.0  | 2.7  | 0.0  | 0.0  | 0.0  | 52.5  |
|                            | SEPT | OCTO | NOVE | DECE | JANV  | FEVR | MARS | AVRI  | MAI  | JUIN | JUIL | AOUT | TOTAL |

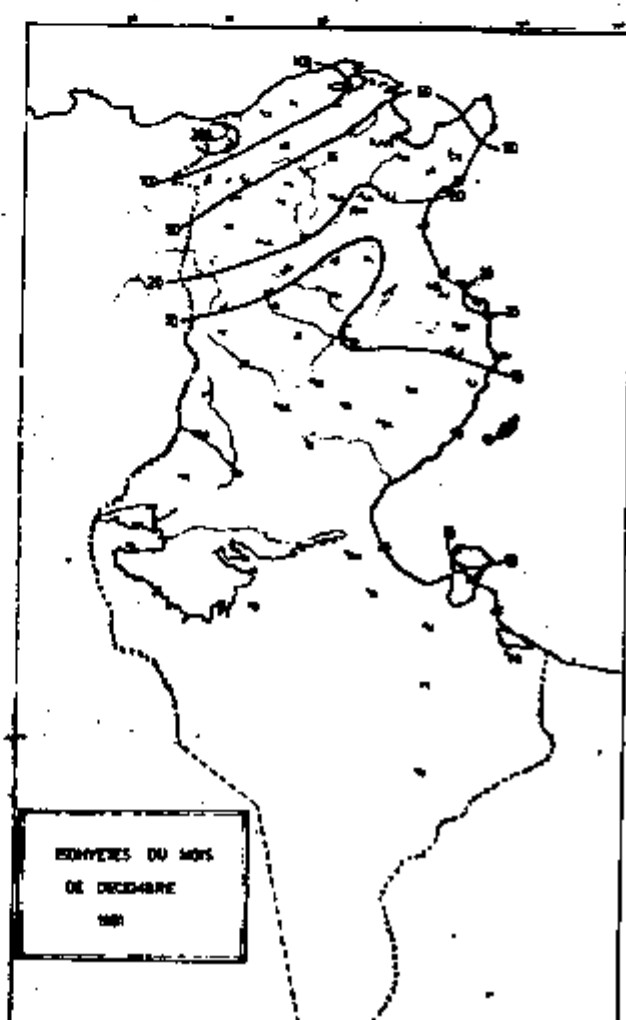
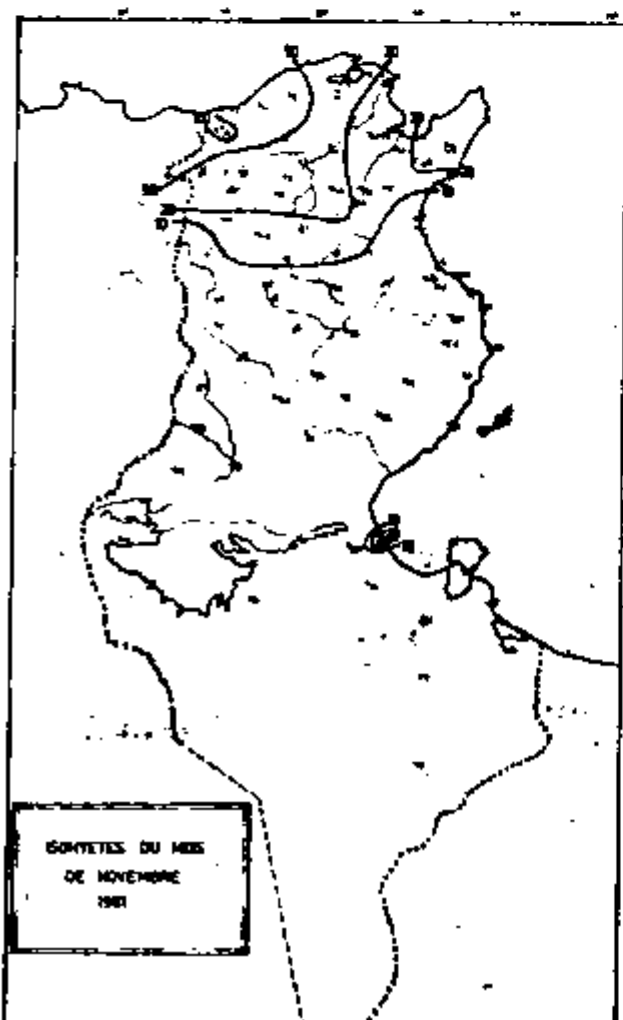
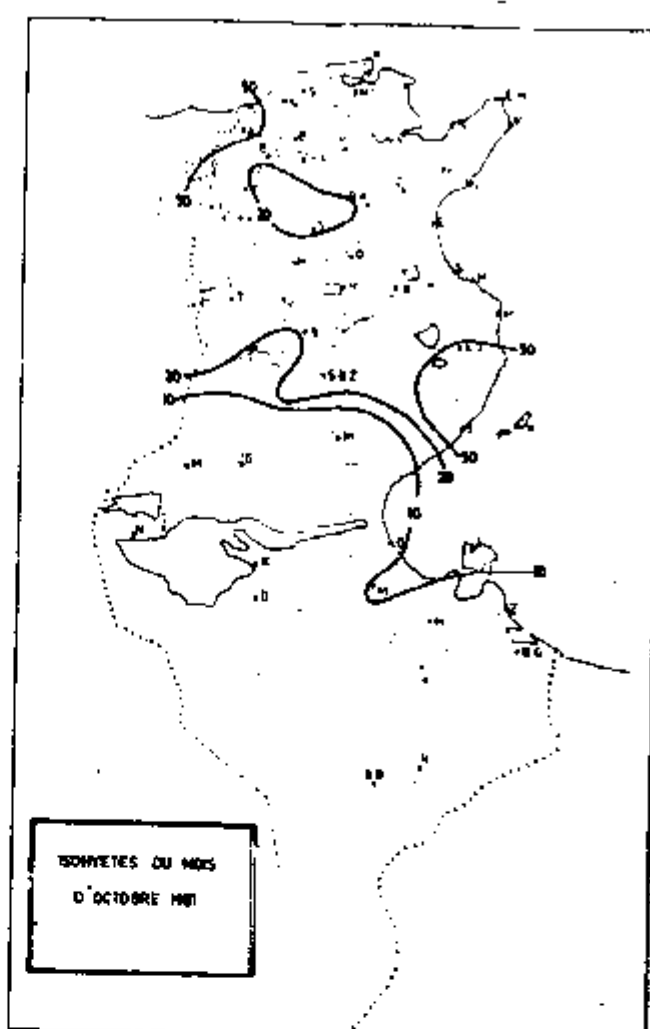


## GOUVERNEMENT MENSUELLE ET ANNUELLE

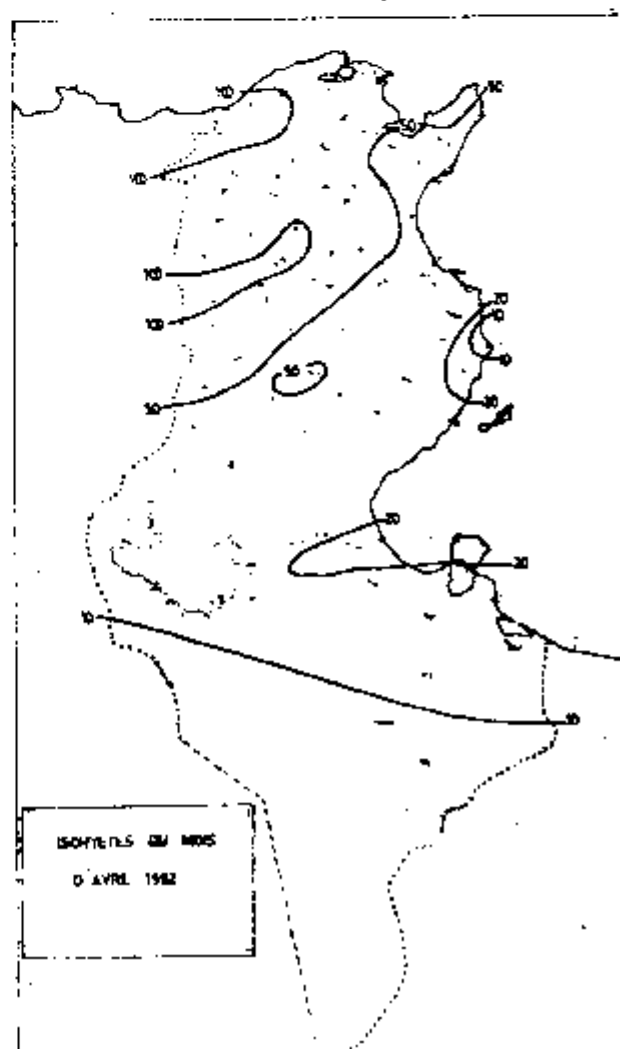
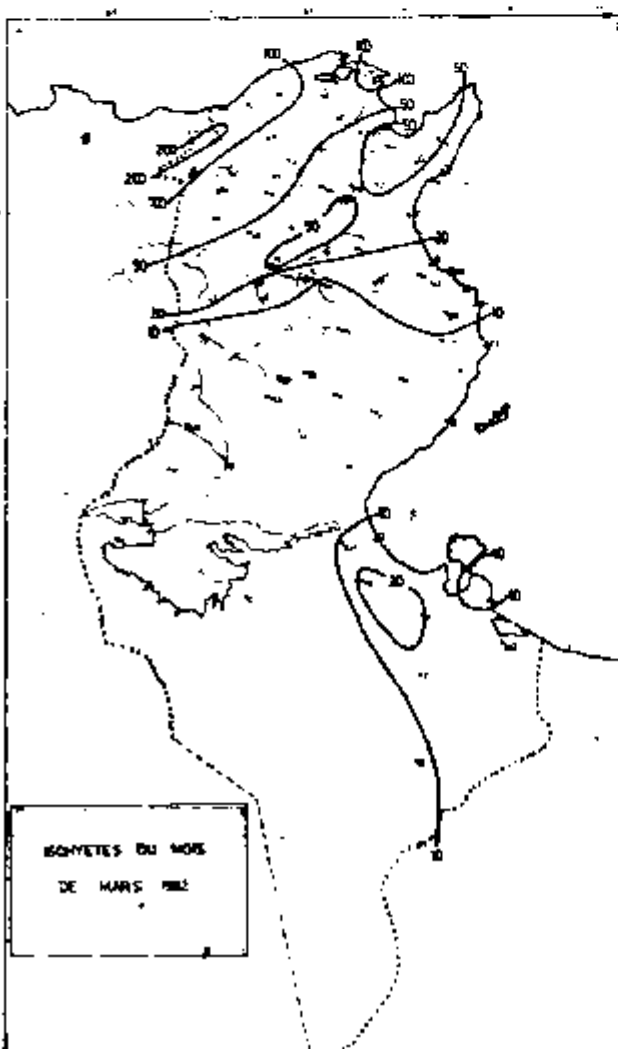
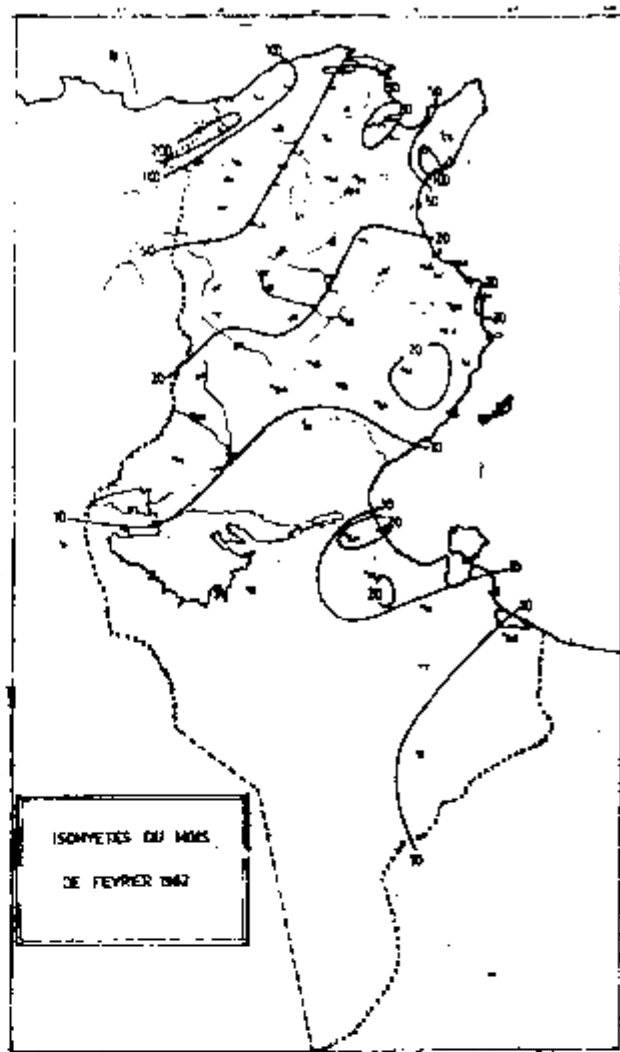
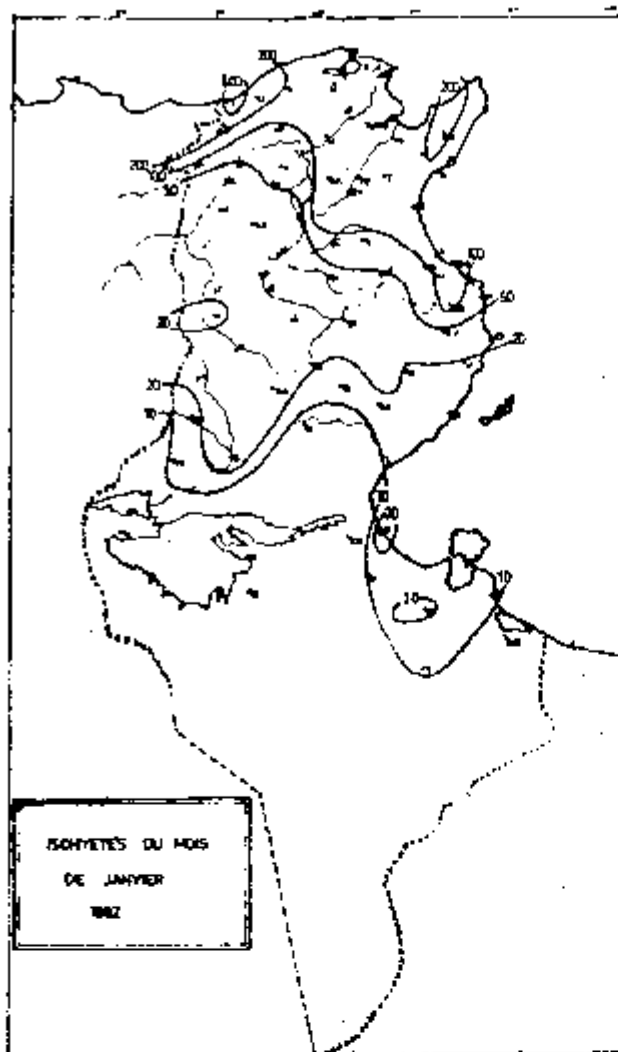
ANNEE 1991

|                         | SEPT | OCTO | NOVE  | DECE  | JANV  | FEV   | MARS  | AVRIL | MAI  | JUIN | JUIL | AOUT | TO  |
|-------------------------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|-----|
| GOUVERNORAT DE BIZERTE  |      |      |       |       |       |       |       |       |      |      |      |      |     |
| BIZERTE                 | 14.7 | 37.4 | 29.4  | 20.4  | 104.6 | 34.6  | 76.0  | 75.9  | 37.7 | 0.1  | 0.0  | 7.2  | 51  |
| RAS JEDJEL              | 19.5 | 24.3 | 15.0  | 96.5  | 163.0 | 37.5  | 107.5 | 77.0  | 30.5 | 0.0  | 0.0  | 10.5 | 61  |
| TINJA                   | 21.5 | 24.3 | 16.1  | 101.0 | 110.7 | 47.4  | 70.0  | 50.3  | 40.1 | 0.0  | 0.0  | 5.0  | 63  |
| RAYEUR                  | 22.7 | 17.9 | 27.9  | 100.9 | 107.9 | 51.6  | 81.0  | 63.0  | 39.0 | 0.0  | 2.5  | 3.3  | 52  |
| SEJENAH                 | 17.0 | 39.5 | 33.5  | 133.0 | 266.5 | 123.5 | 116.0 | 118.0 | 23.0 | 0.0  | 0.0  | 20.0 | 89  |
| GOUVERNORAT DE TUNIS    |      |      |       |       |       |       |       |       |      |      |      |      |     |
| TUNIS MANOU             | 12.0 | 64.1 | 16.0  | 60.3  | 141.4 | 67.7  | 59.3  | 55.1  | 27.1 | 0.5  | 0.0  | 6.0  | 61  |
| TUNIS GARTHA            | 15.0 | 29.1 | 19.1  | 50.2  | 120.3 | 57.3  | 40.7  | 65.2  | 28.0 | 0.0  | 0.0  | 19.3 | 61  |
| PORTIN BERGERI          | 23.5 | 34.8 | 16.3  | 51.7  | 172.6 | 30.0  | 64.7  | 43.6  | 25.5 | 0.0  | 0.0  | 0.0  | 41  |
| SIDE PHAMET             | 22.5 | 23.7 | 12.0  | 37.1  | 116.0 | 37.7  | 53.0  | 51.8  | 23.0 | 0.0  | 0.0  | 19.7 | 38  |
| GOUVERNORAT DE BEJA     |      |      |       |       |       |       |       |       |      |      |      |      |     |
| BEJA                    | 14.0 | 27.6 | 63.7  | 82.2  | 77.1  | 74.0  | 96.1  | 107.7 | 53.9 | 0.0  | 0.0  | 22.0 | 61  |
| MEJEL                   | 26.7 | 37.1 | 13.1  | 75.1  | 93.3  | 37.0  | 47.1  | 80.0  | 34.0 | 0.0  | 0.0  | 0.0  | 65  |
| TESTONE                 | 32.5 | 20.6 | 27.1  | 78.4  | 95.0  | 44.5  | 53.9  | 74.7  | 30.0 | 0.0  | 0.0  | 3.0  | 41  |
| TEFOURSOUK              | 30.5 | 21.3 | 55.3  | 57.9  | 64.6  | 92.0  | 123.1 | 107.4 | 49.5 | 2.8  | 3.3  | 19.1 | 60  |
| DOCHTATA                | 26.0 | 39.2 | 67.1  | 167.1 | 207.3 | 165.3 | 174.7 | 111.9 | 41.0 | 0.0  | 0.0  | 15.0 | 956 |
| GOUVERNORAT DE JENDOUBA |      |      |       |       |       |       |       |       |      |      |      |      |     |
| JENDOUBA                | 9.0  | 17.3 | 27.7  | 53.9  | 47.0  | 55.0  | 78.3  | 85.8  | 74.7 | 0.3  | 0.5  | 6.2  | 45  |
| BOU SALEM               | 24.3 | 19.2 | 26.7  | 40.2  | 61.0  | 53.4  | 71.9  | 67.2  | 39.9 | 0.0  | 0.0  | 5.0  | 42  |
| AKH BRAMAH              | 9.5  | 68.6 | 126.0 | 233.0 | 277.0 | 224.0 | 233.7 | 209.9 | 87.7 | 1.0  | 2.6  | 59.6 | 131 |
| TABARKA                 | 36.1 | 53.7 | 79.5  | 152.3 | 177.7 | 169.0 | 120.9 | 103.5 | 44.1 | 0.0  | 8.2  | 14.3 | 96  |
| SHAPINIAOU              | 28.1 | 27.4 | 24.4  | 62.7  | 97.3  | 67.1  | 74.0  | 91.7  | 51.2 | 0.0  | 0.0  | 3.5  | 45  |
| GOUVERNORAT DU KEF      |      |      |       |       |       |       |       |       |      |      |      |      |     |
| KEF                     | 23.7 | 33.9 | 20.1  | 55.5  | 33.4  | 87.8  | 73.7  | 117.0 | 76.1 | 0.0  | 0.0  | 73.3 | 51  |
| OUED MELLEG.            | 19.0 | 23.7 | 6.3   | 71.0  | 72.6  | 56.7  | 51.1  | 62.1  | 33.7 | 0.3  | 0.5  | 3.3  | 37  |
| KEF                     | 30.4 | 26.5 | 19.9  | 70.3  | 27.1  | 37.0  | 43.1  | 55.8  | 36.1 | 0.0  | 0.0  | 41.3 | 34  |
| DAHMAZI                 | 23.7 | 36.1 | 17.9  | 78.7  | 73.6  | 67.7  | 57.8  | 77.5  | 52.3 | 2.3  | 5.4  | 3.2  | 38  |
| TAJEPAHINE              | 51.0 | 77.0 | 3.0   | 27.0  | 27.0  | 45.3  | 20.0  | 79.5  | 61.0 | 7.0  | 0.0  | 17.0 | 35  |
| GOUVERNORAT DE SILIANA  |      |      |       |       |       |       |       |       |      |      |      |      |     |
| SILIANA                 | 51.5 | 13.7 | 19.8  | 21.7  | 44.9  | 76.4  | 71.3  | 79.1  | 83.5 | 4.0  | 0.0  | 15.0 | 38  |
| BOUARADA                | 30.0 | 22.9 | 31.3  | 37.6  | 107.2 | 43.7  | 47.7  | 61.0  | 92.0 | 0.0  | 3.5  | 9.0  | 65  |
| KPZP                    | 30.5 | 19.0 | 30.0  | 70.0  | 55.5  | 44.0  | 104.5 | 75.0  | 47.0 | 0.0  | 0.0  | 7.0  | 53  |
| MAJTHAR                 | 46.8 | 34.3 | 47.3  | 75.5  | 47.0  | 43.0  | 55.7  | 110.8 | 48.6 | 0.0  | 0.0  | 3.4  | 48  |
| BOHIA                   | 37.6 | 26.3 | 2.7   | 14.7  | 47.4  | 75.7  | 14.0  | 53.3  | 74.9 | 0.0  | 0.0  | 15.1 | 31  |
| GOUVERNORAT DE ZAGHOUAN |      |      |       |       |       |       |       |       |      |      |      |      |     |
| ZAGHOUAN                | 3.0  | 39.3 | 14.0  | 42.5  | 141.0 | 23.5  | 53.9  | 53.5  | 32.0 | 0.0  | 0.0  | 9.0  | 44  |
| BOU BENT                | 36.2 | 24.1 | 16.8  | 25.9  | 130.3 | 53.7  | 53.7  | 46.7  | 27.3 | 0.0  | 0.0  | 0.0  | 42  |
| TEFOURDA                | 29.7 | 27.3 | 12.9  | 55.1  | 97.1  | 29.1  | 80.7  | 54.3  | 30.0 | 0.0  | 0.0  | 5.7  | 41  |
| PORT DU FAHS            | 42.7 | 37.0 | 15.3  | 18.7  | 170.7 | 21.4  | 26.7  | 43.3  | 31.9 | 0.0  | 1.0  | 9.0  | 36  |
| AGE KEDIR               | 73.5 | 23.5 | 36.7  | 15.3  | 143.3 | 38.2  | 60.1  | 55.0  | 36.7 | 3.0  | 0.0  | 0.0  | 44  |
| GOUVERNORAT DE NARBEL   |      |      |       |       |       |       |       |       |      |      |      |      |     |
| NARBEL                  | 1.0  | 20.4 | 12.5  | 13.1  | 165.3 | 93.0  | 41.0  | 76.8  | 19.3 | 0.2  | 0.0  | 9.3  | 34  |
| KELICIA                 | 3.0  | 28.3 | 27.6  | 61.1  | 140.2 | 26.1  | 42.0  | 34.1  | 21.0 | 0.1  | 0.0  | 2.7  | 44  |
| CHTRA MARRAGE           | 8.1  | 19.7 | 29.9  | 43.1  | 247.3 | 57.7  | 74.6  | 61.0  | 28.3 | 0.0  | 0.0  | 9.4  | 35  |
| GROBHALIA               | 62.9 | 53.4 | 28.0  | 48.6  | 133.1 | 70.2  | 67.9  | 44.1  | 24.3 | 0.0  | 0.0  | 1.6  | 38  |
| HAMMAMET                | 11.7 | 23.8 | 16.0  | 29.0  | 189.0 | 126.7 | 65.5  | 47.7  | 22.5 | 0.0  | 0.0  | 9.0  | 50  |
| GOUVERNORAT DE SOUSSE   |      |      |       |       |       |       |       |       |      |      |      |      |     |
| SOUSSE                  | 4.0  | 20.2 | 3.3   | 70.5  | 120.6 | 9.4   | 17.6  | 43.3  | 10.0 | 0.0  | 0.0  | 0.0  | 26  |
| ENFIDA                  | 17.0 | 21.5 | 5.3   | 0.5   | 107.0 | 47.7  | 23.5  | 40.0  | 14.5 | 1.0  | 0.0  | 7.0  | 38  |
| KALAA SEGHTA            | 7.7  | 29.7 | 1.4   | 15.7  | 107.0 | 10.7  | 10.5  | 33.8  | 15.3 | 0.0  | 4.5  | 2.5  | 24  |
| MSAYEN                  | 4.5  | 21.7 | 2.3   | 17.5  | 99.7  | 17.0  | 3.4   | 23.0  | 10.2 | 0.0  | 0.0  | 0.0  | 19  |
| GOUVERNORAT DE MONASTIR |      |      |       |       |       |       |       |       |      |      |      |      |     |
| MONASTIR                | 6.0  | 26.0 | 3.0   | 76.5  | 103.2 | 14.7  | 14.5  | 23.6  | 2.2  | 0.0  | 0.0  | 3.5  | 21  |
| JEMMAL                  | 7.0  | 31.0 | 9.0   | 12.0  | 176.0 | 30.0  | 10.0  | 30.0  | 9.0  | 0.0  | 0.0  | 0.0  | 23  |
| TEPOULMA                | 1.7  | 24.5 | 16.0  | 27.7  | 45.7  | 11.4  | 11.0  | 17.3  | 10.3 | 0.0  | 0.0  | 0.0  | 17  |
| SEPT                    | OCTO | NOVE | DECE  | JANV  | FEV   | MARS  | AVRIL | MAI   | JUIN | JUIL | AOUT | TO   |     |

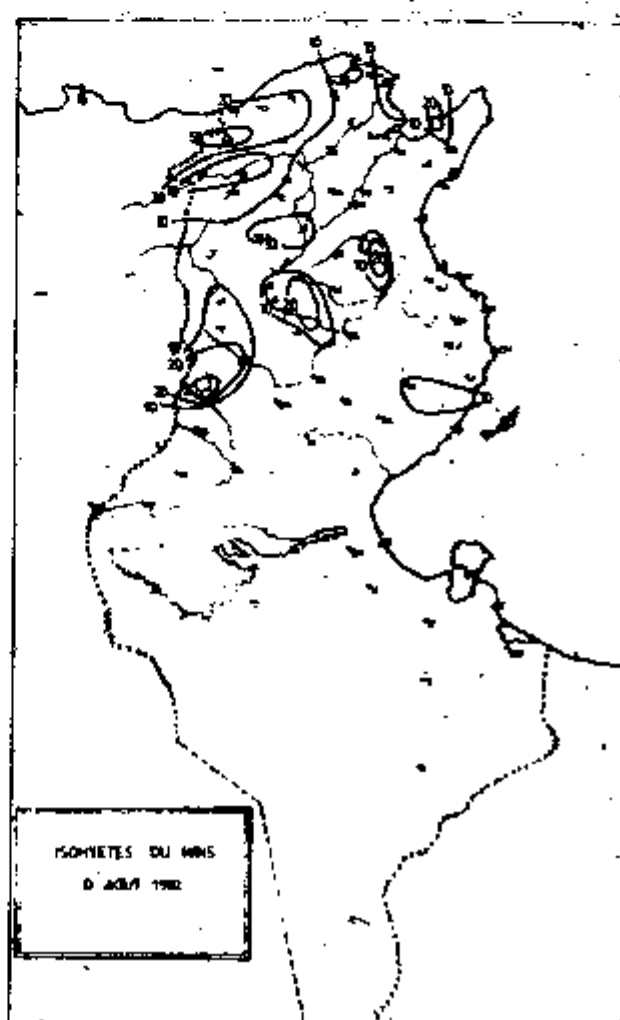
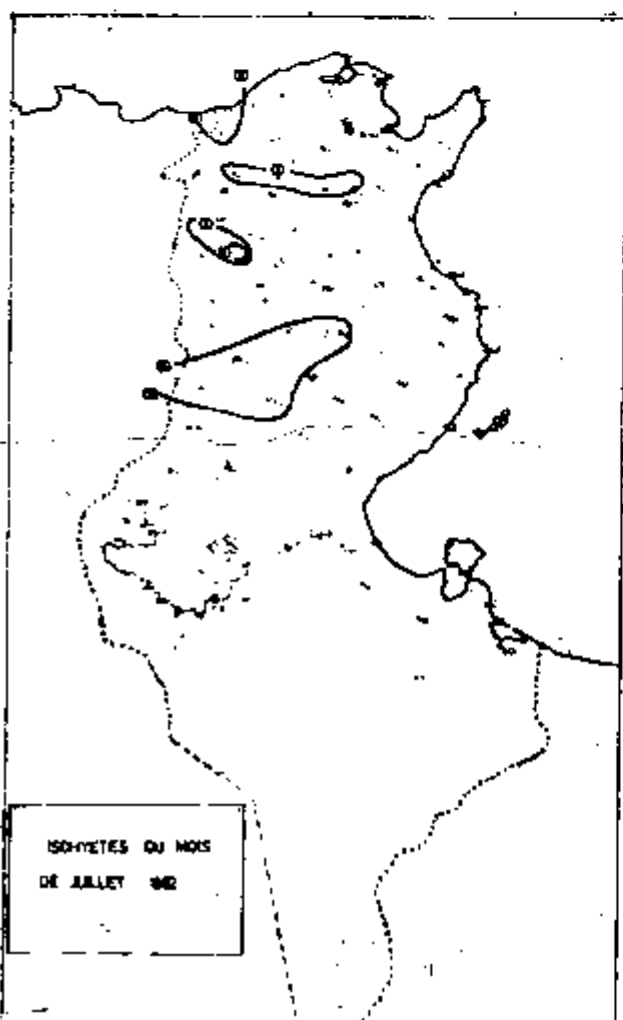
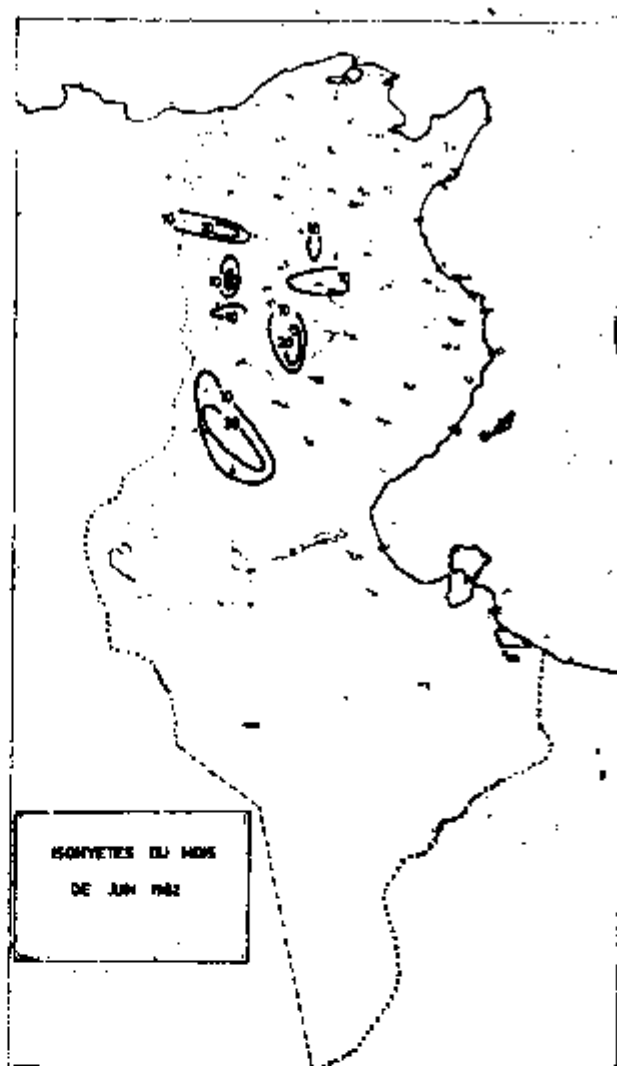
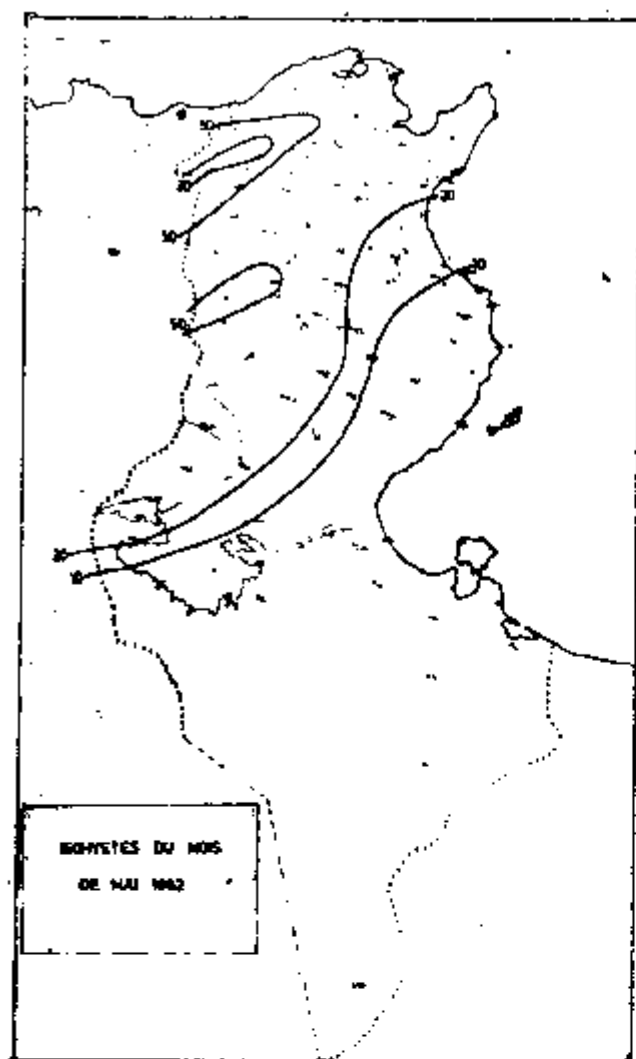














|                         | SEPT | OCTO  | NOVE  | DECE  | JANV  | FEVR  | MARS   | AVRI   | MAI    | JUIN   | JUIL   |    |
|-------------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|----|
| GOUVERNORAT DE NIZERTE  |      |       |       |       |       |       |        |        |        |        |        |    |
| NIZERTE                 | 14.3 | 51.7  | 81.1  | 180.5 | 297.1 | 341.7 | 417.7  | 423.6  | 531.3  | 531.4  | 531.4  | 57 |
| RAS JEDJEL              | 15.5 | 44.0  | 59.0  | 145.5 | 209.5 | 366.0 | 467.5  | 540.5  | 591.0  | 591.0  | 591.0  | 61 |
| TINJA                   | 21.5 | 45.8  | 61.9  | 162.0 | 273.8 | 322.2 | 392.2  | 451.5  | 491.6  | 491.6  | 491.6  | 45 |
| MATEUR                  | 22.8 | 40.7  | 70.6  | 171.4 | 274.3 | 325.0 | 406.9  | 474.9  | 513.9  | 513.9  | 513.9  | 51 |
| SEJENANE                | 17.0 | 56.5  | 110.0 | 245.0 | 406.5 | 618.0 | 732.0  | 850.0  | 873.0  | 873.0  | 873.0  | 81 |
| GOUVERNORAT DE TUNIS    |      |       |       |       |       |       |        |        |        |        |        |    |
| TUNIS MANOUB            | 12.0 | 76.1  | 93.0  | 133.3 | 174.7 | 342.0 | 401.3  | 456.4  | 483.5  | 484.0  | 484.0  | 41 |
| TUNIS CARTHA            | 15.0 | 45.0  | 64.0  | 115.1 | 175.0 | 293.2 | 333.0  | 399.1  | 427.1  | 427.1  | 427.1  | 41 |
| POTIN BERGERI           | 28.5 | 62.3  | 79.1  | 130.9 | 203.2 | 333.2 | 397.4  | 441.0  | 466.5  | 466.5  | 466.5  | 41 |
| SIDI THAPET             | 22.5 | 45.7  | 57.7  | 90.8  | 205.8 | 243.6 | 296.6  | 348.4  | 371.4  | 371.4  | 371.4  | 31 |
| GOUVERNORAT DE BEJA     |      |       |       |       |       |       |        |        |        |        |        |    |
| BEJA                    | 14.0 | 37.6  | 101.5 | 174.2 | 267.7 | 351.7 | 445.8  | 555.5  | 609.3  | 609.3  | 609.3  | 61 |
| MEDJEZ                  | 26.5 | 109.6 | 127.7 | 165.9 | 258.1 | 295.3 | 344.4  | 424.4  | 458.4  | 458.4  | 458.4  | 45 |
| TESTOUR                 | 32.5 | 52.0  | 92.0  | 110.4 | 205.4 | 249.0 | 303.4  | 378.1  | 408.1  | 408.1  | 408.1  | 41 |
| TEBOUSSOUK              | 30.5 | 53.8  | 109.1 | 168.6 | 273.2 | 325.2 | 433.3  | 540.7  | 590.2  | 590.2  | 590.2  | 61 |
| OUCHTATA                | 26.0 | 65.2  | 132.3 | 299.4 | 507.2 | 673.0 | 787.7  | 899.6  | 941.5  | 941.5  | 941.5  | 91 |
| GOUVERNORAT DE JENDOUBA |      |       |       |       |       |       |        |        |        |        |        |    |
| JENDOUBA                | 9.0  | 37.4  | 57.1  | 111.0 | 154.0 | 200.0 | 238.2  | 374.0  | 448.7  | 449.0  | 449.5  | 41 |
| BOU SALEM               | 24.3 | 63.5  | 90.2  | 139.0 | 200.0 | 258.4 | 350.3  | 417.5  | 457.4  | 457.4  | 457.4  | 41 |
| AIM BRAHA               | 9.5  | 78.1  | 204.1 | 442.1 | 734.1 | 948.1 | 1181.3 | 1321.2 | 1478.9 | 1479.9 | 1482.5 | 15 |
| TAPARKA                 | 36.1 | 91.8  | 190.3 | 343.1 | 575.4 | 674.3 | 795.2  | 828.7  | 942.8  | 942.8  | 951.0  | 91 |
| GHADIMACH               | 28.1 | 51.5  | 77.9  | 140.9 | 191.6 | 250.7 | 353.7  | 444.8  | 496.0  | 496.0  | 496.0  | 41 |
| GOUVERNORAT DU KEF      |      |       |       |       |       |       |        |        |        |        |        |    |
| KEF                     | 23.2 | 57.1  | 77.2  | 132.7 | 171.1 | 254.0 | 328.2  | 445.2  | 481.3  | 490.3  | 490.3  | 51 |
| OUED MELLEG.            | 18.0 | 41.7  | 48.0  | 79.0  | 205.6 | 155.9 | 296.6  | 268.7  | 304.4  | 312.7  | 313.2  | 31 |
| SERS                    | 30.6 | 57.1  | 76.9  | 107.7 | 127.3 | 164.3 | 207.4  | 263.2  | 299.3  | 299.3  | 299.3  | 31 |
| BAHMANI                 | 28.2 | 64.7  | 82.6  | 110.8 | 134.4 | 195.1 | 247.9  | 321.4  | 373.7  | 376.0  | 381.4  | 31 |
| TAJERGHINE              | 51.0 | 78.0  | 87.0  | 116.0 | 145.0 | 190.5 | 210.5  | 290.0  | 331.0  | 339.0  | 338.0  | 31 |
| GOUVERNORAT DE SILIANA  |      |       |       |       |       |       |        |        |        |        |        |    |
| SILIANA                 | 51.5 | 65.2  | 84.0  | 105.3 | 150.0 | 176.4 | 207.6  | 236.7  | 370.2  | 374.2  | 374.2  | 31 |
| BOUARADA                | 20.0 | 53.7  | 85.0  | 112.4 | 214.6 | 258.3 | 300.5  | 361.5  | 453.5  | 453.5  | 457.0  | 41 |
| KRIB                    | 30.5 | 49.5  | 79.5  | 140.5 | 205.0 | 280.0 | 391.5  | 488.5  | 529.5  | 529.5  | 529.5  | 51 |
| MAKTHAR                 | 46.8 | 81.6  | 129.1 | 164.6 | 212.5 | 260.5 | 316.2  | 427.0  | 475.6  | 475.6  | 475.6  | 41 |
| ROHIA                   | 17.6 | 63.6  | 66.3  | 80.5  | 120.9 | 156.6 | 170.6  | 223.9  | 298.7  | 298.7  | 298.7  | 31 |
| GOUVERNORAT DE ZAGHOUAN |      |       |       |       |       |       |        |        |        |        |        |    |
| ZAGHOUAN                | 3.0  | 47.8  | 56.3  | 106.3 | 267.7 | 290.9 | 349.6  | 408.1  | 440.1  | 440.1  | 440.1  | 41 |
| BOU RENIA               | 36.2 | 40.3  | 77.1  | 103.0 | 247.3 | 296.0 | 354.7  | 401.4  | 428.7  | 428.7  | 428.7  | 41 |
| TEBOURBA                | 20.2 | 56.5  | 69.3  | 124.6 | 211.7 | 239.8 | 320.6  | 374.9  | 404.9  | 404.9  | 404.9  | 41 |
| PONT DU FAHS            | 47.7 | 74.7  | 90.9  | 107.2 | 233.0 | 260.3 | 287.0  | 335.3  | 366.3  | 366.3  | 367.3  | 31 |
| BGE KEDIR               | 33.5 | 57.0  | 91.7  | 107.5 | 255.9 | 294.0 | 354.1  | 409.1  | 445.8  | 448.8  | 468.8  | 41 |
| GOUVERNORAT DE NARBONNE |      |       |       |       |       |       |        |        |        |        |        |    |
| NARBONNE                | 1.0  | 21.4  | 33.9  | 52.0  | 217.3 | 310.3 | 351.3  | 378.1  | 397.9  | 398.1  | 398.1  | 31 |
| KELIRIA                 | 3.0  | 31.8  | 59.4  | 120.5 | 260.7 | 346.8 | 388.8  | 422.9  | 443.9  | 444.0  | 444.0  | 41 |
| CHIDA BARRAGE           | 7.1  | 27.3  | 57.2  | 100.3 | 342.6 | 400.3 | 474.9  | 515.9  | 542.2  | 542.2  | 542.2  | 51 |
| GRONDALIA               | 62.9 | 116.3 | 144.3 | 192.9 | 376.0 | 455.9 | 518.8  | 562.9  | 587.2  | 587.2  | 587.2  | 51 |
| HANNANET                | 11.3 | 35.1  | 51.1  | 80.1  | 250.1 | 296.3 | 442.9  | 475.5  | 508.0  | 508.0  | 508.0  | 51 |
| GOUVERNORAT DE SOUSSE   |      |       |       |       |       |       |        |        |        |        |        |    |
| SOUSSE                  | 4.0  | 33.2  | 37.0  | 56.5  | 196.1 | 195.5 | 297.1  | 250.4  | 260.4  | 260.4  | 260.4  | 31 |
| ENFIDA                  | 17.0 | 38.5  | 44.0  | 53.5  | 250.5 | 298.2 | 376.7  | 366.7  | 381.2  | 382.2  | 382.2  | 31 |
| KALAA SEGHIRA           | 2.3  | 32.0  | 33.4  | 40.1  | 153.1 | 160.0 | 179.0  | 218.7  | 234.0  | 234.0  | 234.5  | 31 |
| MSAKEN                  | 4.5  | 25.2  | 28.0  | 45.5  | 134.2 | 151.2 | 159.6  | 182.6  | 192.8  | 192.8  | 192.8  | 31 |
| GOUVERNORAT DE MONASTIR |      |       |       |       |       |       |        |        |        |        |        |    |
| MONASTIR                | 6.0  | 32.0  | 35.0  | 52.4  | 155.6 | 171.8 | 196.3  | 208.9  | 211.1  | 211.1  | 211.1  | 31 |
| JEMMAL                  | 7.0  | 38.0  | 47.0  | 66.0  | 202.0 | 232.0 | 242.0  | 272.0  | 284.0  | 281.0  | 251.0  | 31 |
| TEBOULBA                | 3.2  | 28.2  | 44.2  | 68.7  | 137.4 | 147.5 | 154.9  | 167.1  | 177.6  | 177.6  | 177.6  | 31 |
|                         | SEPT | OCTO  | NOVE  | DECE  | JANV  | FEVR  | MARS   | AVRI   | MAI    | JUIN   | JUIL   |    |



PLUVIOMETRIE MENSUELLE CUMULEE  
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ANNEE 1981-82

SEPT OCTO NOVE DECE JANV FEVR MARS AVRI MAI JUIN JUIL AOÛT

## GOUVERNORAT DE MAHDIA

|         |     |      |      |      |       |       |       |       |       |       |       |       |
|---------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAHDIA  | 1.3 | 35.5 | 42.4 | 61.8 | 160.4 | 211.0 | 225.3 | 246.5 | 257.6 | 257.6 | 257.6 | 257.6 |
| IMERDES | 0.0 | 33.4 | 38.1 | 56.1 | 160.1 | 170.8 | 182.8 | 203.3 | 212.8 | 212.8 | 212.8 | 212.8 |
| JEN     | 1.5 | 69.5 | 70.5 | 82.5 | 124.0 | 141.5 | 147.5 | 172.0 | 179.5 | 179.5 | 179.5 | 179.5 |
| ARA     | 0.0 | 51.6 | 50.7 | 73.0 | 100.1 | 116.7 | 123.2 | 128.7 | 128.7 | 129.7 | 129.7 | 129.7 |

## GOUVERNORAT DE KAIROUAN

|        |      |      |      |      |       |       |       |       |       |       |       |       |
|--------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| POUAN  | 4.7  | 41.2 | 50.5 | 64.8 | 103.4 | 125.7 | 141.5 | 170.7 | 183.5 | 183.5 | 183.5 | 202.4 |
| KHA    | 20.8 | 48.4 | 61.2 | 68.7 | 125.7 | 138.8 | 143.0 | 243.3 | 256.5 | 256.5 | 256.5 | 271.5 |
| FOUZ   | 6.4  | 44.2 | 46.2 | 55.7 | 73.1  | 117.5 | 119.0 | 177.8 | 201.0 | 215.6 | 215.6 | 215.6 |
| SLATIA | 33.3 | 60.9 | 81.2 | 90.2 | 175.6 | 208.8 | 232.7 | 327.7 | 388.2 | 388.2 | 388.2 | 392.2 |
| I SAAD | 20.1 | 61.9 | 61.9 | 74.5 | 96.8  | 106.5 | 107.5 | 132.5 | 144.0 | 144.0 | 144.0 | 149.0 |

## GOUVERNORAT DE KASSERINE

|        |      |       |       |       |       |       |       |       |       |       |       |       |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SERINE | 54.0 | 68.9  | 69.6  | 75.0  | 95.0  | 100.0 | 111.4 | 170.7 | 197.7 | 202.2 | 203.2 | 217.0 |
| ITLA   | 66.4 | 108.4 | 108.4 | 115.0 | 151.1 | 175.6 | 181.1 | 232.3 | 263.3 | 290.3 | 295.8 | 302.3 |
| LA     | 47.5 | 85.4  | 92.3  | 110.8 | 144.8 | 173.5 | 198.3 | 298.5 | 353.0 | 362.0 | 353.5 | 375.0 |
| SSANA  | 87.0 | 130.2 | 131.4 | 136.4 | 147.8 | 180.8 | 187.4 | 236.7 | 275.6 | 279.0 | 279.0 | 280.5 |
| IANA   | 45.5 | 66.4  | 46.4  | 71.7  | 97.0  | 116.1 | 117.4 | 195.7 | 241.2 | 258.6 | 267.7 | 335.6 |

## GOUVERNORAT DE SIDI BOUZID

|           |      |      |      |      |      |       |       |       |       |       |       |       |
|-----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| I BOUZID  | 24.0 | 52.4 | 54.4 | 56.7 | 76.0 | 94.2  | 103.7 | 159.3 | 180.0 | 186.5 | 186.5 | 188.1 |
| ADUN      | 42.2 | 63.8 | 63.8 | 66.3 | 90.0 | 100.0 | 107.5 | 137.0 | 154.0 | 154.0 | 160.5 | 169.0 |
| MA        | 15.3 | 40.0 | 41.5 | 46.3 | 70.0 | 90.4  | 92.4  | 118.1 | 136.1 | 141.1 | 149.1 | 168.1 |
| MASSEY    | 1.3  | 5.3  | 5.3  | 5.3  | 10.5 | 16.7  | 24.2  | 65.4  | 82.5  | 82.5  | 82.5  | 83.3  |
| UEF DELEG | 13.0 | 27.5 | 36.5 | 39.5 | 57.0 | 67.0  | 75.0  | 106.0 | 121.0 | 121.0 | 121.0 | 121.0 |

## GOUVERNORAT DE Sfax

|            |     |      |      |      |      |       |       |       |       |       |       |       |
|------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| X          | 1.5 | 60.9 | 64.5 | 67.4 | 80.2 | 96.0  | 105.7 | 140.5 | 140.0 | 140.0 | 140.0 | 142.0 |
| ZEL CHAKER | 5.6 | 65.6 | 65.6 | 69.6 | 82.7 | 120.1 | 128.1 | 162.9 | 169.7 | 169.7 | 169.7 | 181.7 |
| INHANA     | 3.0 | 59.1 | 59.1 | 65.0 | 80.0 | 93.7  | 101.6 | 116.4 | 116.4 | 116.4 | 116.4 | 116.4 |
| YFNAN      | 0.0 | 40.0 | 40.0 | 40.0 | 51.0 | 56.5  | 62.2  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  |
| ALI KALIF  | 2.0 | 21.5 | 21.5 | 25.0 | 41.4 | 63.7  | 71.1  | 113.0 | 119.7 | 119.7 | 119.7 | 119.7 |

## GOUVERNORAT DE GAFSA

|      |     |     |     |      |      |      |      |      |       |       |       |       |
|------|-----|-----|-----|------|------|------|------|------|-------|-------|-------|-------|
| A    | 4.0 | 5.0 | 5.0 | 11.3 | 34.6 | 47.8 | 49.1 | 56.8 | 107.7 | 122.3 | 122.3 | 122.3 |
| AQUI | 0.0 | 5.0 | 5.0 | 9.4  | 24.4 | 33.4 | 33.4 | 55.9 | 73.0  | 75.6  | 75.6  | 75.6  |

## GOUVERNORAT DE TOZEUR

|    |     |     |     |     |     |      |      |      |      |      |      |      |
|----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| UP | 6.7 | 6.3 | 6.3 | 6.7 | 8.4 | 21.7 | 22.4 | 58.8 | 86.4 | 86.4 | 86.4 | 86.4 |
| A  | 1.5 | 1.5 | 1.5 | 2.7 | 4.3 | 11.7 | 11.2 | 48.4 | 76.4 | 76.4 | 76.4 | 76.4 |

## GOUVERNORAT DE KEBILI

|    |     |     |     |     |      |      |      |      |      |      |      |      |
|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| LI | 1.0 | 1.0 | 1.0 | 2.7 | 13.7 | 16.3 | 23.7 | 44.6 | 47.1 | 47.1 | 47.1 | 47.1 |
|    | 0.0 | 0.0 | 0.0 | 0.0 | 14.3 | 16.0 | 28.3 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |

## GOUVERNORAT DE GABES

|     |     |      |      |      |      |       |       |       |       |       |       |       |
|-----|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| S   | 5.0 | 11.9 | 56.6 | 59.4 | 73.0 | 106.4 | 126.3 | 142.1 | 143.4 | 143.4 | 143.4 | 143.4 |
| ATA | 0.0 | 14.0 | 14.0 | 16.0 | 32.0 | 45.5  | 81.5  | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 |

## GOUVERNORAT DE MEDJINE

|          |     |      |      |      |      |      |      |       |       |       |       |       |
|----------|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| INE      | 1.0 | 2.1  | 3.1  | 3.4  | 53.5 | 60.7 | 85.2 | 109.1 | 111.0 | 111.0 | 111.0 | 111.0 |
| A        | 0.6 | 11.7 | 11.2 | 25.3 | 39.1 | 49.4 | 61.0 | 75.7  | 76.1  | 76.1  | 76.1  | 76.1  |
| IS       | 1.5 | 3.0  | 3.3  | 13.7 | 31.5 | 37.7 | 40.5 | 62.8  | 65.3  | 65.3  | 65.3  | 65.3  |
| SUERSAUF | 0.0 | 2.9  | 1.5  | 3.0  | 4.4  | 21.4 | 34.9 | 55.9  | 55.0  | 55.0  | 55.0  | 55.0  |

## GOUVERNORAT DE TAYADINE

|      |     |     |      |      |      |      |      |      |      |      |      |      |
|------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| OUNE | 0.0 | 0.0 | 0.0  | 0.0  | 13.5 | 21.0 | 37.0 | 66.2 | 66.7 | 66.7 | 66.7 | 66.7 |
| DA   | 1.6 | 4.4 | 14.5 | 14.9 | 21.7 | 37.1 | 37.8 | 49.8 | 52.5 | 52.5 | 52.5 | 52.5 |

SEPT OCTO NOVE DECE JANV FEVR MARS AVRI MAI JUIN JUIL AOÛT



|                         | SEP | OCT | NOV | DEC | JAN | FEV | MAR | AVR | MAI | JUI | JUL | AOUT | TOTAL |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| GOUVERNORAT DE BIZERTE  |     |     |     |     |     |     |     |     |     |     |     |      |       |
| BIZERTE                 | 4   | 8   | 12  | 17  | 13  | 13  | 14  | 15  | 6   | 1   | 0   | 2    | 105   |
| PAS JEDEL               | 3   | 4   | 7   | 12  | 10  | 5   | 10  | 9   | 4   | 0   | 0   | 1    | 65    |
| TINJA                   | 3   | 3   | 5   | 13  | 11  | 5   | 12  | 5   | 4   | 0   | 0   | 1    | 62    |
| MATEUR                  | 3   | 3   | 8   | 11  | 14  | 7   | 13  | 10  | 5   | 0   | 1   | 2    | 77    |
| SEJENANE                | 2   | 4   | 5   | 7   | 12  | 7   | 9   | 7   | 1   | 0   | 0   | 3    | 57    |
| GOUVERNORAT DE TUNIS    |     |     |     |     |     |     |     |     |     |     |     |      |       |
| TUNIS MANOUB            | 7   | 6   | 8   | 11  | 16  | 14  | 15  | 12  | 4   | 2   | 0   | 1    | 96    |
| TUNIS CARTHAGE          | 7   | 6   | 7   | 11  | 14  | 12  | 14  | 11  | 4   | 0   | 0   | 1    | 89    |
| POTIN BERGERI           | 2   | 5   | 4   | 9   | 10  | 4   | 10  | 8   | 4   | 0   | 0   | 0    | 56    |
| SIDI THARET             | 3   | 4   | 3   | 7   | 11  | 7   | 9   | 9   | 3   | 0   | 0   | 2    | 58    |
| GOUVERNORAT DE BEJA     |     |     |     |     |     |     |     |     |     |     |     |      |       |
| BEJA                    | 4   | 7   | 11  | 15  | 15  | 14  | 14  | 13  | 7   | 0   | 0   | 3    | 103   |
| MEDJEZ                  | 4   | 5   | 3   | 9   | 8   | 6   | 5   | 10  | 7   | 0   | 0   | 0    | 52    |
| TESTOUR                 | 3   | 5   | 6   | 7   | 9   | 7   | 9   | 10  | 3   | 0   | 0   | 1    | 60    |
| TERBOUSSOUX             | 6   | 5   | 8   | 9   | 9   | 10  | 13  | 12  | 7   | 2   | 1   | 2    | 83    |
| OUCHATA                 | 3   | 5   | 11  | 13  | 13  | 7   | 12  | 14  | 6   | 0   | 0   | 3    | 89    |
| GOUVERNORAT DE JENDOUBA |     |     |     |     |     |     |     |     |     |     |     |      |       |
| JENDOUBA                | 6   | 7   | 7   | 10  | 14  | 13  | 16  | 14  | 7   | 2   | 1   | 4    | 101   |
| BOU SALEM               | 3   | 5   | 5   | 7   | 10  | 7   | 9   | 7   | 4   | 0   | 0   | 3    | 62    |
| FIN BRAHAM              | 4   | 7   | 10  | 15  | 13  | 11  | 11  | 15  | 5   | 1   | 2   | 5    | 99    |
| TABARKA                 | 7   | 7   | 21  | 14  | 15  | 11  | 12  | 14  | 6   | 0   | 1   | 2    | 111   |
| GHARDIMAOU              | 6   | 6   | 7   | 9   | 13  | 10  | 13  | 14  | 6   | 0   | 0   | 1    | 84    |
| GOUVERNORAT DU KEF      |     |     |     |     |     |     |     |     |     |     |     |      |       |
| KEF                     | 7   | 5   | 8   | 6   | 12  | 12  | 12  | 12  | 3   | 2   | 0   | 4    | 83    |
| OUED MELLEG.            | 9   | 4   | 4   | 4   | 7   | 12  | 12  | 12  | 6   | 1   | 1   | 2    | 73    |
| SORS                    | 4   | 3   | 4   | 4   | 8   | 7   | 9   | 9   | 5   | 0   | 0   | 3    | 55    |
| DAHMANI                 | 4   | 5   | 4   | 4   | 8   | 7   | 10  | 11  | 6   | 1   | 3   | 1    | 65    |
| TAJEROUINE              | 7   | 4   | 7   | 3   | 7   | 5   | 5   | 6   | 4   | 1   | 0   | 1    | 46    |
| GOUVERNORAT DE SILIANA  |     |     |     |     |     |     |     |     |     |     |     |      |       |
| SILIANA                 | 6   | 3   | 4   | 4   | 7   | 8   | 6   | 11  | 6   | 1   | 0   | 2    | 58    |
| BOUARADA                | 4   | 3   | 3   | 7   | 7   | 8   | 6   | 10  | 6   | 0   | 1   | 0    | 55    |
| KRIR                    | 3   | 4   | 4   | 9   | 10  | 7   | 9   | 13  | 7   | 0   | 0   | 1    | 68    |
| MAKTUAP                 | 5   | 7   | 4   | 4   | 11  | 10  | 8   | 11  | 5   | 0   | 0   | 1    | 67    |
| POHIA                   | 5   | 7   | 1   | 3   | 4   | 9   | 3   | 6   | 4   | 0   | 0   | 1    | 36    |
| GOUVERNORAT DE ZAGHOUAN |     |     |     |     |     |     |     |     |     |     |     |      |       |
| ZAGHOUAN                | 1   | 5   | 4   | 9   | 10  | 5   | 10  | 8   | 5   | 0   | 0   | 0    | 56    |
| BOU REBIA               | 5   | 3   | 7   | 8   | 9   | 8   | 11  | 12  | 4   | 0   | 0   | 0    | 67    |
| TEBOURBA                | 6   | 5   | 5   | 10  | 9   | 7   | 14  | 9   | 3   | 0   | 0   | 1    | 69    |
| MONT DU FAHS            | 7   | 4   | 3   | 7   | 9   | 6   | 7   | 10  | 5   | 0   | 1   | 0    | 59    |
| BGE KEBIR               | 5   | 7   | 7   | 7   | 9   | 7   | 12  | 12  | 5   | 1   | 0   | 0    | 68    |
| GOUVERNORAT DE NAFEU    |     |     |     |     |     |     |     |     |     |     |     |      |       |
| NAFEUL                  | 3   | 5   | 6   | 10  | 8   | 12  | 11  | 9   | 5   | 2   | 0   | 3    | 74    |
| KELIDIA                 | 6   | 8   | 8   | 13  | 12  | 17  | 11  | 11  | 6   | 1   | 0   | 2    | 95    |
| CHIBA BARRAGE           | 5   | 6   | 10  | 9   | 12  | 14  | 13  | 7   | 5   | 0   | 0   | 3    | 84    |
| GROMBALIA               | 5   | 5   | 5   | 12  | 13  | 11  | 13  | 7   | 3   | 0   | 0   | 1    | 77    |
| HAMMAMET                | 4   | 7   | 5   | 5   | 10  | 10  | 10  | 8   | 7   | 0   | 0   | 0    | 57    |
| GOUVERNORAT DE SOUSSE   |     |     |     |     |     |     |     |     |     |     |     |      |       |
| SOUSSE                  | 1   | 4   | 3   | 4   | 3   | 7   | 7   | 6   | 1   | 0   | 0   | 0    | 37    |
| ENFIDA                  | 2   | 3   | 2   | 2   | 7   | 10  | 4   | 8   | 4   | 1   | 0   | 0    | 43    |
| KALAA SEGHIPA           | 1   | 2   | 1   | 3   | 6   | 3   | 2   | 6   | 2   | 0   | 1   | 1    | 28    |
| MEAKEN                  | 1   | 3   | 2   | 3   | 5   | 5   | 3   | 6   | 3   | 0   | 0   | 0    | 31    |
| GOUVERNORAT DE MONASTIR |     |     |     |     |     |     |     |     |     |     |     |      |       |
| MONASTIR                | 1   | 7   | 2   | 7   | 5   | 5   | 2   | 6   | 2   | 0   | 0   | 1    | 30    |
| JEMMAL                  | 1   | 2   | 2   | 3   | 7   | 4   | 1   | 6   | 2   | 0   | 0   | 0    | 24    |
| TEBOULBA                | 1   | 7   | 3   | 7   | 7   | 4   | 1   | 7   | 7   | 0   | 0   | 0    | 28    |
|                         | SEP | OCT | NOV | DEC | JAN | FEV | MAR | AVR | MAI | JUI | JUL | AOUT | TOTAL |

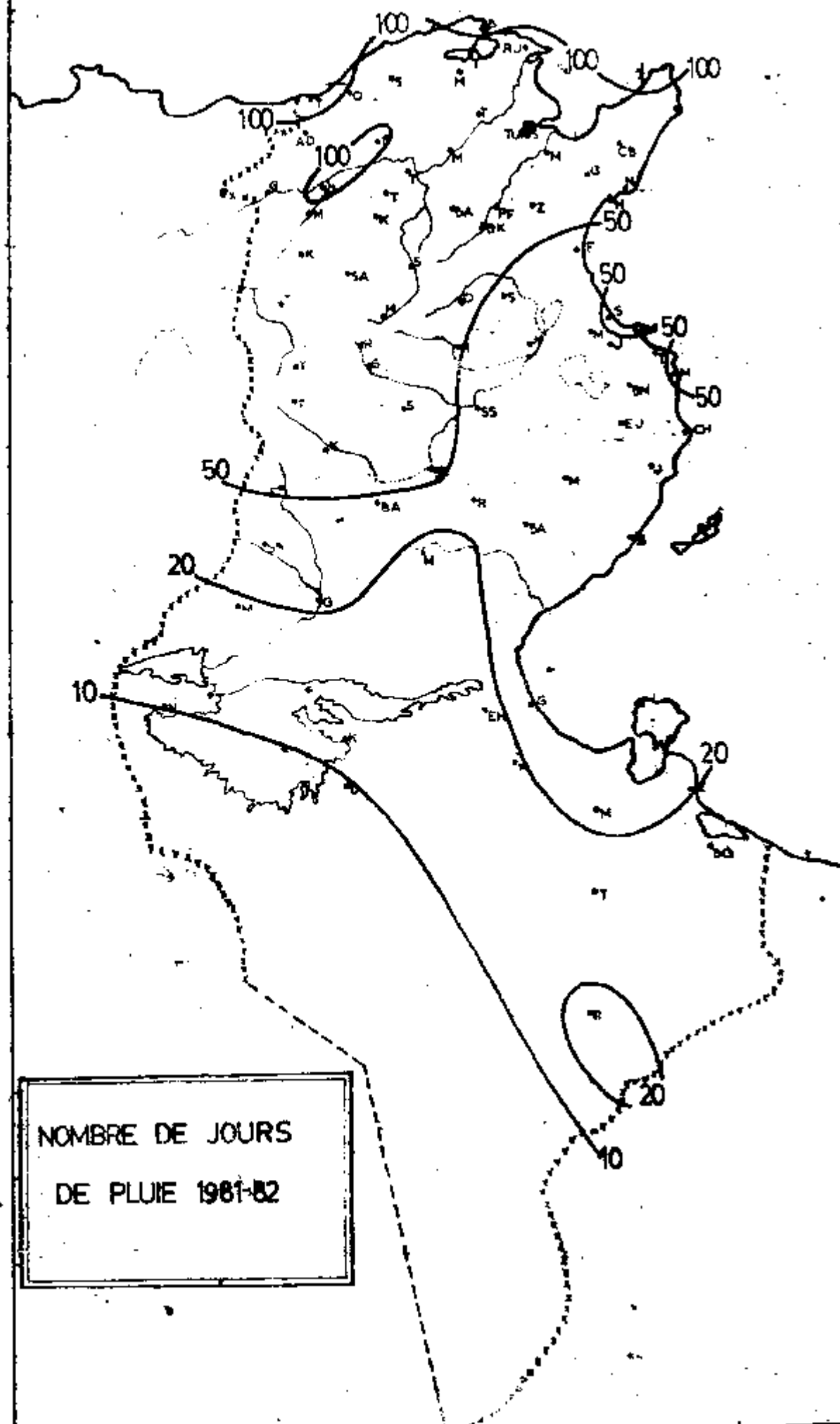


NOMBRE DE JOURS DE PLUIE  
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ANNÉE 1981-82

|                            | SEP | OCT | NOV | DEC | JAN | FEB | MAR | AVR | MAI | JUN | JUL | AOU | TOTAL |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| GOUVERNORAT DE MANDIA      |     |     |     |     |     |     |     |     |     |     |     |     |       |
| MANDIA                     | 7   | 13  | 12  | 6   | 11  | 18  | 5   | 15  | 2   | 0   | 0   | 1   | 92    |
| DOU HERDES                 | 0   | 3   | 2   | 4   | 5   | 7   | 1   | 7   | 3   | 0   | 0   | 0   | 28    |
| EL JEN                     | 1   | 4   | 2   | 3   | 4   | 7   | 2   | 8   | 4   | 0   | 0   | 0   | 35    |
| CHERBA                     | 0   | 3   | 2   | 3   | 5   | 4   | 1   | 3   | 0   | 0   | 0   | 0   | 21    |
| GOUVERNORAT DE KAIROUAN    |     |     |     |     |     |     |     |     |     |     |     |     |       |
| KAIROUAN                   | 1   | 5   | 3   | 3   | 6   | 7   | 5   | 12  | 4   | 0   | 0   | 1   | 47    |
| SRIKHA                     | 3   | 4   | 3   | 3   | 4   | 5   | 3   | 4   | 0   | 0   | 0   | 1   | 34    |
| MAFFOUZ                    | 2   | 3   | 1   | 3   | 3   | 6   | 3   | 10  | 5   | 7   | 0   | 0   | 38    |
| QUESLATIA                  | 5   | 4   | 5   | 3   | 4   | 3   | 5   | 13  | 4   | 0   | 0   | 1   | 47    |
| SIDI SAAD                  | 2   | 4   | 0   | 2   | 3   | 3   | 1   | 8   | 3   | 0   | 2   | 0   | 28    |
| GOUVERNORAT DE KASSERINE   |     |     |     |     |     |     |     |     |     |     |     |     |       |
| KASSERINE                  | 10  | 5   | 1   | 2   | 2   | 2   | 1   | 11  | 5   | 2   | 1   | 3   | 50    |
| SREITLA                    | 5   | 5   | 0   | 3   | 2   | 6   | 3   | 11  | 7   | 3   | 2   | 3   | 55    |
| THALA                      | 2   | 3   | 6   | 3   | 11  | 13  | 5   | 16  | 2   | 4   | 1   | 4   | 68    |
| FOUSSANA                   | 5   | 3   | 1   | 3   | 2   | 7   | 3   | 11  | 6   | 3   | 0   | 2   | 49    |
| FERIANA                    | 11  | 4   | 0   | 1   | 5   | 4   | 2   | 9   | 6   | 4   | 5   | 4   | 55    |
| GOUVERNORAT DE SIDI BOUZID |     |     |     |     |     |     |     |     |     |     |     |     |       |
| SIDI BOUZID                | 6   | 5   | 1   | 2   | 2   | 2   | 4   | 12  | 4   | 5   | 0   | 2   | 59    |
| PEN AOUN                   | 3   | 2   | 0   | 1   | 3   | 4   | 1   | 4   | 4   | 0   | 1   | 2   | 27    |
| JELMA                      | 5   | 2   | 1   | 2   | 2   | 5   | 1   | 7   | 5   | 1   | 1   | 2   | 34    |
| MEKNASSY                   | 2   | 1   | 0   | 0   | 1   | 2   | 1   | 6   | 4   | 0   | 0   | 1   | 18    |
| REGUER DELEG               | 2   | 2   | 1   | 1   | 2   | 4   | 1   | 5   | 1   | 0   | 0   | 0   | 19    |
| GOUVERNORAT DE SFAX        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| SFAX                       | 1   | 4   | 1   | 1   | 6   | 5   | 3   | 7   | 1   | 0   | 0   | 2   | 36    |
| PENZEL CHAKER              | 2   | 4   | 0   | 1   | 3   | 7   | 1   | 6   | 2   | 0   | 0   | 1   | 27    |
| JERMIANA                   | 1   | 4   | 0   | 1   | 6   | 6   | 2   | 5   | 0   | 0   | 0   | 0   | 25    |
| KERKENAH                   | 0   | 3   | 0   | 0   | 2   | 3   | 3   | 5   | 0   | 0   | 0   | 0   | 18    |
| SIR ALI KALIF              | 1   | 2   | 0   | 1   | 2   | 6   | 1   | 5   | 2   | 0   | 0   | 0   | 20    |
| GOUVERNORAT DE GAFSA       |     |     |     |     |     |     |     |     |     |     |     |     |       |
| GAFSA                      | 2   | 1   | 0   | 1   | 6   | 4   | 1   | 3   | 4   | 2   | 0   | 0   | 20    |
| MEYLAQUI                   | 0   | 1   | 0   | 1   | 3   | 1   | 0   | 5   | 3   | 1   | 0   | 0   | 15    |
| GOUVERNORAT DE TOZEUR      |     |     |     |     |     |     |     |     |     |     |     |     |       |
| TOZEUR                     | 3   | 0   | 0   | 1   | 3   | 3   | 1   | 6   | 4   | 0   | 0   | 0   | 21    |
| MEFTA                      | 1   | 0   | 0   | 1   | 2   | 2   | 0   | 2   | 4   | 0   | 0   | 0   | 12    |
| GOUVERNORAT DE KESILI      |     |     |     |     |     |     |     |     |     |     |     |     |       |
| KESILI                     | 2   | 0   | 0   | 1   | 1   | 2   | 1   | 3   | 1   | 0   | 0   | 0   | 11    |
| DOUZ                       | 0   | 0   | 0   | 0   | 1   | 1   | 2   | 2   | 0   | 0   | 0   | 0   | 8     |
| GOUVERNORAT DE GARES       |     |     |     |     |     |     |     |     |     |     |     |     |       |
| GARES                      | 3   | 2   | 4   | 1   | 5   | 3   | 5   | 8   | 2   | 0   | 0   | 0   | 33    |
| PATHATA                    | 0   | 1   | 0   | 1   | 3   | 2   | 2   | 5   | 0   | 0   | 0   | 0   | 14    |
| GOUVERNORAT DE MEDNINE     |     |     |     |     |     |     |     |     |     |     |     |     |       |
| MEDNINE                    | 2   | 1   | 1   | 1   | 5   | 2   | 5   | 7   | 3   | 0   | 0   | 0   | 27    |
| JERNA                      | 1   | 2   | 0   | 1   | 6   | 4   | 4   | 4   | 1   | 0   | 0   | 0   | 23    |
| ZARZIS                     | 1   | 1   | 0   | 1   | 4   | 1   | 2   | 4   | 1   | 0   | 0   | 0   | 15    |
| PEN GUERDANE               | 0   | 2   | 1   | 1   | 3   | 4   | 2   | 5   | 0   | 0   | 0   | 0   | 18    |
| GOUVERNORAT DE TATAQUINE   |     |     |     |     |     |     |     |     |     |     |     |     |       |
| TATAQUINE                  | 0   | 0   | 0   | 0   | 4   | 2   | 1   | 4   | 1   | 0   | 0   | 0   | 12    |
| PEMADA                     | 1   | 3   | 1   | 0   | 6   | 4   | 3   | 6   | 2   | 0   | 0   | 0   | 26    |
|                            | SEP | OCT | NOV | DEC | JAN | FEB | MAR | AVR | MAI | JUN | JUL | AOU | TOTAL |







REPERTOIRE DES STATIONS PLUVIOMETRIQUES  
DE LA TUNISIE

| NUMERO - BASSIN | D E S I G N A T I O N  |
|-----------------|------------------------|
| 3               | : BIZERTE ET ICHKEUL   |
| 4               | : CAP BON ET MILIANE   |
| 5               | : MEDJERDAH            |
| 6               | : ZEROUJ ET NEBANA     |
| 7               | : SAHEL SOUSSE ET SFAX |
| 8               | : SUD                  |
| 9               | : EXTREME SUD          |



| STATION | IDENTIFICATION           | LATITUDE  | LONGITUDE | ALT |
|---------|--------------------------|-----------|-----------|-----|
| -30049  | AIN BACCOUCHE            | +41.00 98 | - 7.07 30 | 160 |
| -30188  | AIN DRAHEM               | +40.86 10 | - 7.05 10 | 715 |
| -30295  | AIN EL KHAÏSS            | +40.99 38 | - 7.27 68 | 600 |
| -30398  | AIN SAIDA                | +40.95 70 | - 7.05 42 | 240 |
| -30414  | AIN SEBBA                | +41.06 68 | - 7.31 55 | 90  |
| -30617  | ALIA EL SE               | +41.30 15 | - 8.55 76 | 120 |
| -30659  | AMILA EL KSAR EL AMMAR   | +41.43 18 | - 8.16 70 | 66  |
| -30706  | AZIB EL FOREAL           | +41.34 13 | - 8.50 47 | 55  |
| -30782  | BAZINA                   | +41.07 80 | - 7.73 95 | 460 |
| -30841  | BELIF                    | +41.14 90 | - 7.50 82 | 100 |
| -30996  | BIZERTE BECHATEUR        | +41.45 90 | - 8.20 20 | 150 |
| -30997  | BIZERTE BOUZARIA         | +41.41 90 | - 8.23 85 | 50  |
| -31002  | BIZERTE GHEZLA           | +41.41 41 | - 8.34 95 | 50  |
| -31004  | BIZERTE EL ALIA CFPA SM  | +41.30 00 | - 8.55 00 | 100 |
| -31005  | BIZERTE VILLE (CERLE) SM | +41.40 00 | - 8.35 00 | 34  |
| -31128  | BENI ATTA                | +41.38 70 | - 8.59 10 | 200 |
| -31183  | BORJ TAIEB               | +41.11 30 | - 8.14 50 | 15  |
| -31469  | CAP BLANC SM             | +41.48 45 | - 8.33 58 | 102 |
| -31531  | CHAAB EDDOUD             | +41.36 50 | - 8.61 50 | 20  |
| -31694  | COOPERATIVE BOUKHARIA    | +41.15 55 | - 8.12 30 | 20  |
| -31824  | DEKHILA                  | +40.96 30 | - 8.18 65 | 115 |
| -32150  | DJEBEL ESSEMA            | +41.34 60 | - 7.91 89 | 210 |
| -32170  | DJOUMIN DELEGATION       | +41.03 00 | - 7.83 50 | 109 |
| -32388  | DAR FATMA                | +41.91 00 | - 7.16 25 | 778 |
| -32424  | DAR ECH-CHEFA            | +40.96 10 | - 7.25 20 | 566 |
| -32880  | GHAZALA SM               | +41.17 00 | - 8.10 00 | 15  |
| -32920  | KOUSSAT EL BEY           | +41.01 50 | - 8.20 95 | 70  |
| -32978  | GUERMANEZ SIDI MBAREK    | +40.96 00 | - 7.85 00 | 330 |
| -33059  | HAMMAM BOURGUIBA SM      | +40.85 65 | - 6.98 60 | 138 |
| -33542  | KHANGUET                 | +41.00 00 | - 8.23 10 | 70  |
| -33602  | KEDIAT                   | +41.09 90 | - 8.17 45 | 220 |
| -33674  | KHADHA RIA               | +40.96 00 | - 7.10 00 | 58  |
| -33688  | KHAZEM                   | +40.98 50 | - 8.17 10 | 80  |
| -34263  | MENZEL JEMIL             | +41.36 00 | - 8.44 00 | 30  |
| -34436  | METLINE SM               | +41.37 03 | - 8.58 52 | 200 |
| -34476  | MICHAUD                  | +41.17 85 | - 8.08 38 | 15  |
| -34550  | MEJEN ERROUMI            | +40.99 35 | - 7.15 75 | 150 |
| -34629  | NACHERINE BARRAGE        | +41.25 60 | - 8.52 18 | 80  |
| -34638  | NEFFET                   | +41.12 50 | - 8.25 55 | 50  |
| -34645  | NEFZA DELEGATION         | +41.08 45 | - 7.49 50 | 50  |
| -34833  | OUCHTATA                 | +41.07 18 | - 7.40 35 | 48  |
| -34861  | OUED DJOUMIN DJ ANTRA    | +41.06 30 | - 7.93 55 | 109 |
| -34924  | OUED EL HELLA SE         | +41.32 23 | - 8.52 38 | 45  |
| -35044  | OUED GHEZALA             | +41.20 25 | - 8.04 20 | 22  |
| -35101  | OUED ZEEN                | +40.92 00 | - 8.21 00 | 521 |
| -35290  | RAS EL AIN               | +41.18 90 | - 8.15 50 | 10  |
| -35300  | RAS DJEBEL ECOLE         | +41.35 00 | - 8.65 50 | 53  |
| -35310  | RAS ENGELAH PHARE        | +41.49 50 | - 8.22 70 | 23  |
| -35488  | SEBAA AOUINET            | +41.16 80 | - 8.23 05 | 142 |
| -35772  | SEDJENANE DEVERSOIR      | +41.32 87 | - 7.96 35 | 42  |
| -35780  | SEDJENANE DELEGATION     | +41.17 75 | - 7.67 65 | 135 |
| -35782  | SEDJENANE FME PILOTE     | +41.18 51 | - 7.66 66 | 145 |
| -35982  | SIDI AHMED SM BIZERTE    | +41.37 00 | - 8.27 20 | 8   |
| -36190  | SIDI BECHIR              | +41.48 10 | - 8.13 42 | 12  |



|       |                    |           |           |     |
|-------|--------------------|-----------|-----------|-----|
| 36481 | SIDI M'BREX MATEUR | +41.13 50 | - 8.14 00 | 40  |
| 36630 | SIDI SALEM         | +41.23 20 | - 8.00 80 | 28  |
| 36712 | SIDI YAHIA SE      | +41.29 50 | - 8.28 70 | 65  |
| 36986 | SOUANIA            | +41.07 45 | - 7.31 48 | 80  |
| 37267 | TABARKA SM         | +41.05 54 | - 7.12 22 | 3   |
| 37268 | TABARKA FORET      | +41.05 00 | - 7.13 05 | 10  |
| 37392 | TAMERA             | +41.18 50 | - 7.54 60 | 100 |
| 37395 | TAMERA MINE        | +41.19 00 | - 7.47 60 | 131 |
| 37724 | TINDJA HER SM      | +41.30 20 | - 8.24 52 | 8   |
| 37726 | TINDJA RESERVOIR   | +41.30 85 | - 8.24 28 | 60  |
| 38282 | ZOUARA             | +41.13 40 | - 7.35 50 | 15  |



| STATION | IDENTIFICATION            | LATITUDE  | LONGITUDE | ALT |
|---------|---------------------------|-----------|-----------|-----|
| -40006  | ABIDA CASSIS              | +40.85 00 | - 9.47 30 | 30  |
| -40057  | AIN BATTARIA              | +40.29 00 | - 8.80 00 | 188 |
| -40154  | AIN DJAJA PONT DU FAHS    | +40.41 35 | - 8.34 85 | 193 |
| -40196  | AIN FAOUAR                | +40.38 00 | - 8.52 00 | 320 |
| -40221  | AIN GARS                  | +40.16 72 | - 8.79 25 | 125 |
| -40487  | AIN TEBOURNOUK            | +40.59 28 | - 9.02 55 | 400 |
| -40762  | BGE SIDI ABDELMOMEN AMONT | +40.95 45 | - 9.55 75 | 60  |
| -40763  | BGE SIDI ABDELMOMEN AVAL  | +40.94 05 | - 9.58 90 | 38  |
| -40766  | BARRAGE MASRI             | +40.59 25 | - 9.06 30 | 170 |
| -40889  | BEZIRK BARRAGE            | +40.79 90 | - 9.21 30 | 60  |
| -40915  | BIR AYED                  | +40.59 20 | - 9.21 65 | 120 |
| -40961  | BIR MECHARGA BGE          | +40.57 05 | - 8.53 10 | 120 |
| -40962  | BIR MECHARGA SM           | +40.57 00 | - 8.48 00 | 155 |
| -41058  | BORJ CHAKER               | +40.85 00 | - 8.60 00 | 63  |
| -41124  | BJ HAFAYED DR ABDALLAH    | +40.52 85 | - 9.07 10 | 42  |
| -41125  | BORJ HAFAYED SM           | +40.59 26 | - 9.12 22 | 120 |
| -41252  | BENI KHALLED ENAHAL       | +40.71 00 | - 9.16 00 | 80  |
| -41253  | BENI KHALLED FM LAFIT     | +40.70 37 | - 9.19 63 | 80  |
| -41290  | BOUCHA ECOLE              | +40.55 70 | - 8.33 60 | 200 |
| -41307  | BOU ARADA II              | +40.39 00 | - 8.10 00 | 248 |
| -41311  | BOU ARADA DRE             | +40.38 80 | - 8.08 60 | 260 |
| -41314  | BOU ARGOUB BJ HAFAYEDH    | +40.59 25 | - 9.12 95 | 120 |
| -41331  | BOU CHRIK SM              | +40.68 38 | - 9.12 40 | 40  |
| -41335  | BOU CHLAKA                | +40.60 60 | - 8.73 10 | 235 |
| -41347  | BOU REBIA                 | +40.66 50 | - 8.65 10 | 67  |
| -41355  | BOU FICHA                 | +40.33 15 | - 9.02 00 | 14  |
| -41411  | BOU KRIM                  | +40.03 40 | - 9.54 65 | 237 |
| -41460  | CAP BON RADIO PHARE SM    | +40.19 15 | - 9.68 05 | 70  |
| -41502  | CARTHAGE CIMETIERE SM     | +40.96 05 | - 8.88 60 | 46  |
| -41583  | CHARTER EXETTOUILA        | +40.36 80 | - 8.35 80 | 207 |
| -41632  | CHLALIG                   | +40.23 00 | - 8.41 00 | 420 |
| -41697  | COOP CHEZELANE            | +40.43 00 | - 8.15 00 | 285 |
| -41775  | CRETEVILLE                | +40.73 70 | - 8.87 90 | 80  |
| -41782  | DAMNET EL HELBA           | +40.60 00 | - 8.61 70 | 125 |
| -41833  | DEPIENNE GARE             | +40.51 00 | - 8.54 50 | 149 |
| -41897  | DJ BOU KORNINE ECOLE      | +40.52 60 | - 8.32 00 | 200 |
| -41899  | DJ BOU KORNINE GRIFFET    | +40.51 00 | - 8.33 20 | 205 |
| -41923  | DJEBEL DJOUGGAR CFPA      | +40.30 00 | - 8.45 00 | 320 |
| -42248  | DOMAINE DCHAMUNE          | +40.71 20 | - 8.84 40 | 50  |
| -42361  | DAR CHICHO                | +41.07 60 | - 9.62 50 | 32  |
| -42370  | DAR DJOUNDL               | +40.86 00 | - 9.26 00 | 115 |
| -42379  | DACHRETMEDIEN             | +40.37 00 | - 8.61 00 | 515 |
| -42530  | ENFIDA SM                 | +40.15 00 | - 8.92 30 | 27  |
| -42531  | ENFIDA SONEDE             | +40.15 50 | - 8.93 10 | 27  |
| -42538  | EL HAMMA AMONT            | +40.58 50 | - 8.86 80 | 170 |
| -42544  | EL HAMMA AVAL             | +40.74 45 | - 8.82 05 | 34  |
| -42549  | EL JOUF                   | +40.35 40 | - 8.67 00 | 290 |
| -42597  | FAUVETTE DOMAINE          | +40.44 70 | - 8.40 00 | 178 |
| -42713  | FARTOUNA                  | +40.83 80 | - 9.38 30 | 140 |
| -42949  | GROMBALIA SM              | +40.67 00 | - 9.07 00 | 50  |
| -43050  | HALG ENNEB                | +40.28 20 | - 8.63 70 | 220 |
| -43055  | HAMMAM BT JEDIDI          | +40.44 00 | - 8.92 20 | 60  |
| -43063  | HAMMAMET SM               | +40.44 50 | - 9.20 00 | 5   |
| -43082  | HAOUARIA DELG SM          | +41.16 70 | - 9.63 95 | 40  |
| -43287  | HIR LEBNA ROJAT           | +40.74 22 | - 9.52 73 | 52  |
| -43423  | HERGLA MUNICIPALITE SM    | +40.03 30 | - 9.08 30 | 15  |
| -43628  | KELIBIA PHARE             | +40.93 20 | - 9.75 75 | 70  |



|       |                           |             |         |     |
|-------|---------------------------|-------------|---------|-----|
| 43629 | KELIBIA SM                | +40.94 00 - | 9.76 00 | 3   |
| 43731 | KORBA VILLE               | +40.66 00 - | 9.47 80 | 9   |
| 43733 | KORBA OUED CHIBA          | +40.77 77 - | 9.37 02 | 90  |
| 43741 | KORBOUS 2 SM              | +40.90 70 - | 9.15 10 | 10  |
| 43927 | LABORATOIRE DE L'ARIANA   | +40.94 25 - | 8.72 60 | 18  |
| 44155 | MARJA PT OU FAHS          | +40.40 10 - | 8.21 00 | 210 |
| 44217 | MZEL BOU ZELFA SM         | +40.75 92 - | 9.18 50 | 60  |
| 44340 | MEGRINE COTUSAL SM        | +40.87 03 - | 8.77 77 | 31  |
| 44422 | MZEL TEMIME MUNICIPALITE  | +40.86 85 - | 9.61 90 | 20  |
| 44441 | MZEL YAHIA HIR HADDAD     | +40.91 40 - | 9.65 90 | 20  |
| 44505 | MOGRANE CSA SM            | +40.48 00 - | 8.61 50 | 155 |
| 44542 | MORNAG SIDI ZEYED         | +40.70 15 - | 8.82 80 | 55  |
| 44624 | NABEUL PARC AGRIC         | +40.50 80 - | 9.33 85 | 11  |
| 44628 | NABEUL SM                 | +49.49 30 - | 9.34 80 | 1   |
| 44786 | OUED ABID SAINTE ANNE     | +40.95 88 - | 9.34 25 | 61  |
| 44798 | OUED BATTEN               | +40.46 25 - | 9.14 75 | 12  |
| 44824 | OUED CHIBA BARRAGE        | +40.77 35 - | 9.37 32 | 161 |
| 44896 | OUED EL KHADRA            | +40.38 00 - | 8.52 10 | 310 |
| 44942 | OUED EL KSAB PF           | +40.01 70 - | 9.73 10 | 54  |
| 45198 | POTIN BERGERIE            | +40.75 43 - | 8.94 10 | 126 |
| 45240 | PT DU FAHS SM             | +40.42 00 - | 8.40 00 | 180 |
| 45246 | PONT DU FAHS ESSOUANI     | +40.43 00 - | 8.39 10 | 175 |
| 45416 | ROBAA GN                  | +40.10 50 - | 8.03 90 | 590 |
| 45496 | OUED EZZIT                | +40.46 30 - | 8.85 60 | 100 |
| 45607 | SAOUAF AGRICOLE           | +40.26 90 - | 8.68 50 | 170 |
| 45616 | SAOUAF ZEGUIDANE          | +40.25 49 - | 8.69 99 | 230 |
| 45816 | SEGERMES                  | +40.38 00 - | 8.89 50 | 77  |
| 45952 | SIDI ABDALLAH             | +40.36 12 - | 8.94 00 | 32  |
| 46037 | SIDI ALI DJEBALI          | +40.89 20 - | 9.41 40 | 25  |
| 46088 | SIDI AOUIDET              | +40.24 60 - | 8.23 90 | 375 |
| 46108 | SIDI ARFA                 | +40.33 20 - | 8.11 90 | 543 |
| 46232 | SIDI BOU BAKER, BGE KB SM | +40.27 80 - | 8.29 00 | 340 |
| 46274 | SIDI BOU SAID SM          | +40.97 05 - | 8.90 75 | 110 |
| 46345 | SIDI EL ATRACH            | +40.51 00 - | 9.07 50 | 129 |
| 46386 | SIDI HAMID                | +40.45 00 - | 8.48 00 | 162 |
| 46868 | SMINDJA DEPIENNE          | +40.50 50 - | 8.51 70 | 145 |
| 46927 | SOLIMAN SM                | +40.77 20 - | 9.05 20 | 12  |
| 47380 | TAKELSA COOP VITICOLE     | +40.84 13 - | 9.20 97 | 50  |
| 47384 | TAKELSA RIBEREAU          | +40.94 03 - | 9.24 40 | 50  |
| 47406 | BARRAGE TAHOUNA           | +40.61 00 - | 9.00 60 | 210 |
| 47422 | TARF CHENA                | +40.39 65 - | 8.20 50 | 260 |
| 47620 | TELLET ERRAIB             | +40.27 68 - | 8.14 50 | 470 |
| 47623 | TELLET BSSAFRA            | +40.50 70 - | 8.72 20 | 190 |
| 47788 | TEZOGRANE                 | +40.99 30 - | 9.49 30 | 110 |
| 47816 | TUBURBO MAJUS             | +40.42 90 - | 8.38 00 | 178 |
| 47832 | TUNIS CARTHAGE SM         | +40.94 00 - | 8.79 00 | 5   |
| 47834 | TUNIS CHARGUIA            | +40.90 75 - | 8.72 17 | 3   |
| 47863 | TUNIS MANOUBIA            | +40.87 15 - | 8.70 65 | 66  |
| 47940 | USINE DE GAZOLINAGE       | +40.79 60 - | 9.34 54 | 104 |
| 48076 | ZAGHOUAN DRE              | +40.44 80 - | 8.67 50 | 184 |
| 48077 | ZAGHOUAN PF               | +40.47 25 - | 8.65 75 | 230 |
| 48255 | ZERIBA AIN SFAYA          | +40.38 60 - | 8.79 75 | 110 |



| STATION | IDENTIFICATION          | LATITUDE  | LONGITUDE | ALT  |
|---------|-------------------------|-----------|-----------|------|
| - 50078 | AIN BEYA                | +40.73 20 | - 7.00 00 | 330  |
| - 50138 | AIN DEBBA               | +40.78 30 | - 7.04 40 | 470  |
| - 50244 | AIN GUESIL 1            | +40.27 80 | - 8.04 50 | 563  |
| - 50260 | AIN HAMRAYA             | +40.87 00 | - 7.25 00 | 553  |
| - 50276 | AIN KERMA 1             | +40.19 00 | - 6.73 00 | 601  |
| - 50350 | AIN MERDJA              | +40.64 70 | - 7.02 20 | 350  |
| - 50421 | AIN S'KOU               | +39.85 20 | - 7.27 90 | 990  |
| - 50422 | AIN SALLEM              | +40.81 00 | - 7.17 00 | 836  |
| - 50467 | AIN TABIA               | +40.30 80 | - 7.60 20 | 416  |
| - 50471 | AIN TAGA KEF GHEGAGA    | +40.46 10 | - 7.01 00 | 1101 |
| - 50511 | AIN TOUNGA SE           | +40.58 30 | - 7.80 20 | 110  |
| - 50527 | AIN ZAKKAR              | +40.03 00 | - 8.00 15 | 676  |
| - 50535 | AIN ZANA                | +40.81 00 | - 7.25 50 | 875  |
| - 50553 | AIN ZELIGUA             | +39.85 10 | - 7.21 60 | 853  |
| - 50591 | AKOUAT GARE             | +40.28 50 | - 7.68 90 | 350  |
| - 50738 | BADROUNA                | +40.59 25 | - 7.42 58 | 138  |
| - 50764 | BARRAGE KASSEB          | +40.84 50 | - 7.42 58 | 350  |
| - 50767 | BARRAGE LAKMES          | +40.01 00 | - 7.92 00 | 475  |
| - 50791 | BATHAN EL ECOLE         | +40.89 80 | - 8.35 15 | 145  |
| - 50799 | BEAUCE TUNISIENNE       | +40.80 00 | - 7.91 30 | 234  |
| - 50823 | BEJA INRAT              | +40.79 40 | - 7.59 50 | 234  |
| - 50857 | BESBESSIA AIN CHELAL SM | +41.17 00 | - 8.41 50 | 80   |
| - 51009 | BORJ EL AMRI            | +40.79 50 | - 8.38 85 | 55   |
| - 51106 | BORJ FRENJ              | +40.76 80 | - 8.30 30 | 125  |
| - 51133 | BORDJ HAMDOUNA          | +40.66 20 | - 7.51 20 | 133  |
| - 51226 | BEN ARAR                | +40.05 00 | - 7.17 00 | 686  |
| - 51268 | BEN METIR 2 SM          | +40.82 00 | - 7.11 00 | 525  |
| - 51403 | BOU HERTMA              | +40.75 30 | - 7.17 00 | 250  |
| - 51429 | BOU NEB OUED            | +40.81 00 | - 7.85 60 | 136  |
| - 51431 | BOU SALEM AGRICOLE      | +40.67 90 | - 7.37 30 | 126  |
| - 51432 | BOU SALEM DELEGATION    | +40.67 50 | - 7.37 10 | 128  |
| - 51433 | BOU SALEM FME M.G SM    | +40.66 60 | - 7.38 15 | 128  |
| - 51608 | CHEMTOU RAOUDET SM      | +40.55 15 | - 6.89 70 | 179  |
| - 51609 | CHEMTOU FERME           | +40.53 35 | - 6.92 96 | 172  |
| - 51616 | CHERFECH CRGR           | +40.05 55 | - 8.57 39 | 59   |
| - 51672 | CITE DU MELLEQUE SM     | +40.36 00 | - 7.08 00 | 256  |
| - 51688 | COOPERATIVE EL AZIMA    | +40.71 60 | - 8.13 70 | 142  |
| - 51715 | COOP ETTAKADEM          | +40.26 85 | - 7.39 00 | 324  |
| - 51856 | DJANTOURA               | +40.77 50 | - 7.10 20 | 360  |
| - 52042 | DJERISSA GARE           | +39.83 00 | - 7.01 50 | 667  |
| - 52508 | DEHMANI ELEVAGE         | +39.91 58 | - 7.19 30 | 652  |
| - 52510 | DEHMANI MUNICIPALITE    | +39.93 60 | - 7.21 50 | 622  |
| - 52603 | FATH TESSA              | +40.07 23 | - 7.34 70 | 532  |
| - 52619 | FEJ KHEMAKEM            | +40.77 00 | - 8.50 00 | 70   |
| - 52659 | FERNANA OUED RHZALA     | +40.72 80 | - 7.07 00 | 280  |
| - 52665 | FEIDJA SM               | +40.55 38 | - 6.63 80 | 730  |
| - 52864 | GARDIMAOU DRE           | +42.50 05 | - 6.77 29 | 195  |
| - 52905 | GOUBELLAT ULC           | +40.60 10 | - 8.13 70 | 147  |
| - 53045 | HAIDRA P.D SM           | +39.51 85 | - 6.81 04 | 850  |
| - 53096 | HERY EL                 | +40.81 25 | - 8.12 50 | 90   |
| - 53166 | HENCHIR EL BEY S.NACEUR | +40.42 00 | - 6.95 70 | 473  |
| - 53171 | DJ BOU LAHNECH (E.PRIM) | +39.67 00 | - 7.04 50 | 650  |
| - 53525 | KALAA ESSENA            | +39.74 00 | - 6.67 00 | 623  |
| - 53605 | KEF.BIRH                | +40.20 15 | - 7.08 75 | 620  |
| - 53618 | KEF TP                  | +40.20 10 | - 7.09 00 | 674  |



|         |                          |           |           |      |
|---------|--------------------------|-----------|-----------|------|
| - 53619 | KEF CMA                  | +40.14 60 | - 7.11 90 | 491  |
| - 53778 | KRIB FERME COSSEM        | +40.35 45 | - 7.55 60 | 447  |
| - 53839 | KSOUR ECOLE SM           | +39.89 00 | - 7.28 00 | 720  |
| - 53875 | KSAR TYR LES ALLOBROGES  | +40.66 50 | - 8.30 00 | 206  |
| - 54102 | MAKTAR PF                | +39.83 69 | - 7.63 00 | 900  |
| - 54103 | MAKTAR SM                | +39.83 69 | - 7.63 00 | 937  |
| - 54281 | MADJEN SAFI              | +40.85 20 | - 7.15 60 | 530  |
| - 54292 | MEDJEZ EL BAB PF         | +40.72 30 | - 8.07 50 | 142  |
| - 54294 | MEDJEZ EL BAB CNA SM     | +40.70 37 | - 8.07 39 | 112  |
| - 54295 | MEDJEZ EL BAB DRE        | +40.70 00 | - 8.10 00 | 112  |
| - 54524 | MONTARNAUD 1             | +40.72 00 | - 8.24 00 | 108  |
| - 54611 | MUNCHAR ECOLE            | +40.81 05 | - 7.74 50 | 260  |
| - 54620 | MZOUGHIA SIDI KHALLED    | +40.70 00 | - 7.75 90 | 200  |
| - 54639 | NEBEUL DELEGATION        | +40.31 75 | - 7.13 68 | 325  |
| - 54981 | OUED MLIZ INRAT          | +40.50 00 | - 6.77 04 | 200  |
| - 54990 | OUED MELLEQUE K13        | +40.13 45 | - 6.84 80 | 324  |
| - 55053 | OUED RMIL                | +40.41 45 | - 7.98 75 | 300  |
| - 55080 | OUED TINE                | +40.33 00 | - 7.95 50 | 406  |
| - 55091 | OUED ZARGA FME DENGUEZLI | +40.69 50 | - 7.86 70 | 284  |
| - 55193 | PORTO FARINA GHAR MELEH  | +41.29 72 | - 8.72 21 | 10   |
| - 55288 | RARAI SUPERIEUR          | +40.50 48 | - 6.68 06 | 310  |
| - 55482 | SAIDA C.P.R. SIDI THABET | +40.92 60 | - 6.51 11 | 20   |
| - 55502 | SAKIET SIDI YOUSSEF SM   | +40.25 92 | - 6.68 51 | 803  |
| - 55625 | SARRAT PT ROUTE          | +39.81 20 | - 6.78 85 | 530  |
| - 55862 | SENEB EL HADDAD          | +39.92 50 | - 7.65 05 | 825  |
| - 55887 | SERS AGRICOLE            | +40.07 40 | - 7.44 43 | 501  |
| - 55888 | SERS DELEGATION          | +40.08 00 | - 7.42 92 | 501  |
| - 56250 | SIDI BOU ROUIS SM        | +40.19 00 | - 7.55 54 | 412  |
| - 55380 | SIDI HAMADA              | +39.95 60 | - 8.01 40 | 690  |
| - 56595 | SIDI SAHBI ABIDA         | +40.01 50 | - 7.12 50 | 598  |
| - 56671 | SIDI THABET SM           | +41.02 00 | - 8.55 54 | 16   |
| - 56763 | SILIANA 2 SM             | +40.08 30 | - 7.83 80 | 431  |
| - 56764 | SILIANA AGRICOLE         | +40.09 30 | - 7.81 00 | 431  |
| - 56765 | SILIANA LAOUJ            | +40.52 90 | - 7.91 95 | 210  |
| - 56804 | SKHIRA BOU SALEM         | +40.73 70 | - 7.32 80 | 195  |
| - 56832 | SLOUGUIA                 | +40.65 50 | - 7.98 10 | 65   |
| - 56988 | SK EL ARBA (JENDOUBA) SE | +40.55 85 | - 7.16 50 | 143  |
| - 56990 | SK EL ARBA (JENDOUBA) SM | +40.56 00 | - 7.16 00 | 143  |
| - 57018 | BOU SALEM DRE            | +40.67 60 | - 7.36 50 | 138  |
| - 57022 | SK EL KHEMIS B.S.C.FPA   | +40.55 25 | - 7.36 35 | 146  |
| - 57030 | SOUK ESSEBT              | +40.56 00 | - 7.29 00 | 145  |
| - 57118 | SRAYA ECOLE              | +40.52 00 | - 6.52 00 | 600  |
| - 57328 | TAJEROUINE AIN ZOUAGHA   | +39.94 00 | - 6.94 00 | 750  |
| - 57332 | TADJEROUINE FERME D'ETAT | +39.93 00 | - 6.83 80 | 511  |
| - 57338 | TADJEROUINE LYCEE        | +39.88 40 | - 6.91 09 | 665  |
| - 57536 | TEBOURBA ECOLE SM        | +40.92 00 | - 8.34 00 | 29   |
| - 57558 | TEBOURSOUK SM            | +40.51 00 | - 7.68 00 | 440  |
| - 57643 | TESSA SIDI MADIEN        | +40.34 50 | - 7.45 00 | 180  |
| - 57646 | TESTOUR SM               | +40.59 90 | - 7.89 00 | 112  |
| - 57676 | THALA FORETS             | +39.53 20 | - 7.03 70 | 889  |
| - 57678 | TALA SM                  | +39.53 00 | - 7.04 00 | 1020 |
| - 57680 | THALA T.P                | +39.52 50 | - 7.04 00 | 1020 |
| - 57690 | THIBAR SM                | +40.58 00 | - 7.52 00 | 365  |
| - 58059 | ZAFRANE BOU DJERIDA      | +40.16 00 | - 7.18 00 | 555  |
| - 58090 | ZEBIDA UCP ENNAJAT       | +40.10 00 | - 7.02 13 | 490  |
| - 58158 | ZOUEM SM                 | +40.65 00 | - 7.32 00 | 132  |
| - 58272 | ZOUARINE GARE            | +40.02 70 | - 7.29 70 | 571  |



| STATION | IDENTIFICATION            | LATITUDE  | LONGITUDE | ALT |
|---------|---------------------------|-----------|-----------|-----|
| - 60025 | AIN AMARA PF              | +39.20 00 | - 6.85 10 | 100 |
| - 60098 | AIN BOUCANEM              | +39.33 60 | - 6.95 60 | 800 |
| - 60146 | AIN JAFFEL SBEITLA        | +39.29 75 | - 7.66 35 | 670 |
| - 60169 | AIN JELLOULA              | +39.78 00 | - 8.31 00 | 170 |
| - 60291 | AIN KMOUDA                | +39.26 50 | - 7.09 00 | 780 |
| - 60393 | AIN SABOUN                | +39.51 15 | - 7.53 15 | 560 |
| - 60559 | AIN ZERESS                | +40.20 00 | - 8.44 00 | 450 |
| - 60572 | ADHIRA HIR .TEBBA ECOLE   | +39.27 30 | - 6.85 15 | 780 |
| - 60602 | EL ALA GN                 | +39.57 80 | - 8.02 30 | 460 |
| - 60610 | EL ALEM OFFICE            | +39.89 80 | - 8.58 20 | 82  |
| - 60940 | BIR CHAOUCHE              | +40.15 50 | - 8.57 90 | 120 |
| - 60953 | BIR FANDRA                | +39.70 00 | - 8.40 00 | 50  |
| - 61351 | BOU FAROUA                | +39.22 50 | - 7.39 00 | 690 |
| - 61371 | BOU HAFNA POMPAGE         | +39.64 50 | - 8.12 92 | 300 |
| - 61545 | BARRAGE CHAMBI            | +39.17 40 | - 7.12 90 | 650 |
| - 61546 | CHAMBI R.T.T              | +39.11 75 | - 7.04 95 | 150 |
| - 61624 | CHRICHIRA ECOLE           | +39.59 70 | - 8.33 30 | 321 |
| - 61951 | DJEBIBINA 3               | +40.15 70 | - 8.56 10 | 120 |
| - 61956 | DJEBIBINA YABSA (NADHOUR) | +40.19 10 | - 8.57 90 | 120 |
| - 62049 | DJELMA AGRO COMBINA       | +39.16 50 | - 7.84 70 | 350 |
| - 62054 | JILMA HER                 | +39.19 00 | - 7.88 00 | 360 |
| - 62159 | DJ SEMAMA P9              | +39.26 40 | - 7.28 21 | 120 |
| - 62343 | DRAA ZMOUL                | +39.25 33 | - 7.48 30 | 660 |
| - 62735 | FOUSSANA SONEDE           | +39.27 10 | - 6.99 00 | 710 |
| - 62744 | FAID SONEDE               | +38.89 00 | - 8.10 00 | 320 |
| - 62825 | GARRAT EL ATTACH          | +39.15 60 | - 7.40 00 | 630 |
| - 62969 | GUEBIA                    | +39.74 08 | - 7.9000  | 670 |
| - 63030 | HAJEB EL AYOUN            | +39.33 05 | - 8.01 00 | 350 |
| - 63037 | HAFFOUZ SM                | +39.57 39 | - 8.14 80 | 270 |
| - 63038 | HAFFOUZ D.R.E             | +39.59 50 | - 8.15 50 | 250 |
| - 63073 | HAMROUNI ECOLE            | +39.36 20 | - 7.91 00 | 370 |
| - 63090 | HAOUAREB BLED SBITTA      | +39.52 10 | - 8.25 60 | 180 |
| - 63162 | HIR BEN AMMAR             | +40.03 60 | - 8.34 20 | 120 |
| - 63219 | HIR BHIMA (SERJA)         | +39.44 60 | - 7.83 60 | 450 |
| - 63221 | HINDI ZITOUN CRGR         | +40.02 00 | - 8.62 20 | 65  |
| - 63325 | HENCHIR MNHILA            | +39.33 90 | - 6.75 10 | 845 |
| - 63474 | JIDIELLENE ECOLE          | +39.55 40 | - 7.48 45 | 610 |
| - 63498 | KAIRAOUAN SM              | +39.64 00 | - 8.63 00 | 66  |
| - 63499 | KAIROUAN CNP. EX POMPAGE  | +39.63 40 | - 8.64 00 | 66  |
| - 63552 | KHANGUET ZAZIA            | +38.99 00 | - 7.53 15 | 502 |
| - 63561 | KASSERINE INRAT           | +39.08 80 | - 7.21 00 | 657 |
| - 63562 | KASSERINE HER             | +39.07 30 | - 7.21 00 | 676 |
| - 63664 | KESRA 89                  | +39.81 10 | - 7.79 40 | 100 |
| - 63666 | KESRA FORET               | +39.80 40 | - 7.80 07 | 986 |
| - 63815 | KSAR KEBRIT               | +39.32 90 | - 8.12 00 | 281 |
| - 63887 | KUNDAR                    | +39.94 40 | - 8.83 20 | 59  |
| - 63936 | LADJERED PF               | +39.40 00 | - 6.93 00 | 950 |
| - 64062 | MOAZIL                    | +39.65 60 | - 8.05 50 | 587 |
| - 64069 | MAJBAR                    | +39.65 00 | - 7.50 70 | 855 |
| - 64174 | MESSIOUTA                 | +39.61 10 | - 7.93 10 | 661 |
| - 64407 | MESSOUDIA-CHEBIKA         | +39.57 90 | - 8.47 02 | 110 |
| - 64627 | NEBHANA BGE               | +40.06 40 | - 8.33 90 | 213 |
| - 64646 | NEGADA                    | +39.13 40 | - 7.95 50 | 295 |
| - 64758 | OUN LABOUAB DJL MANSOUR   | +40.21 30 | - 8.30 15 | 500 |



|         |                           |             |         |      |
|---------|---------------------------|-------------|---------|------|
| - 64763 | OUM DJEDOUR               | +39.58 52 - | 7.34 75 | 1080 |
| - 64780 | OUM LADHAM                | +39.04 70 - | 7.83 25 | 338  |
| - 64808 | OUED EL KARED             | +39.76 00 - | 7.93 00 | 680  |
| - 64842 | OUED DEMB BARRAGE         | +39.07 50 - | 7.18 50 | 700  |
| - 64914 | OUED HALLIAR B 4          | +39.70 85 - | 8.07 82 | 375  |
| - 65064 | OUSLATIA FORET            | +39.87 55 - | 8.06 00 | 465  |
| - 65065 | OUSLATIA INRAT            | +39.75 00 - | 8.06 00 | 460  |
| - 65066 | OUSLATIA GN               | +39.74 70 - | 8.07 00 | 525  |
| - 65245 | PONT ROMAIN               | +40.00 30 - | 8.57 45 | 100  |
| - 65431 | ROHIA DEL. SM             | +39.61 30 - | 7.47 00 | 622  |
| - 65478 | SAADIA DU MARGOU SM       | +40.04 00 - | 8.07 00 | 324  |
| - 65656 | SBEITLA PAVA              | +39.14 95 - | 7.52 20 | 533  |
| - 65657 | SBEITLA PF                | +39.20 00 - | 7.57 90 | 700  |
| - 65663 | SBEITLA J.M'RILLA         | +39.29.50 - | 7.61 70 | 830  |
| - 65670 | SBEITLA TPH               | +39.14 95 - | 7.53 20 | 533  |
| - 65672 | SBEITLA COMBREMENT        | +39.09 01 - | 7.60 80 | 471  |
| - 65673 | SBEITLA FME DUMONT CFPA   | +39.13 65 - | 7.50 60 | 560  |
| - 65674 | SBEITLA FM CHASTEL        | +39.23 50 - | 7.91 45 | 357  |
| - 65688 | SBIBA INRAT               | +39.48 15 - | 7.65 60 | 625  |
| - 65690 | SBIBA BARRAGE             | +39.47 60 - | 7.46 05 | 640  |
| - 65700 | SBIBA VILLE SM            | +39.49 00 - | 7.49 00 | 627  |
| - 65742 | SBIKHA DELEGATION         | +39.90 90 - | 8.55 40 | 230  |
| - 65760 | SEBKA KELBIA DRE          | +39.90 70 - | 8.84 50 | 21   |
| - 65847 | SKHIRA B. 16KEF LABIADH   | +39.71 10 - | 7.83 00 | 600  |
| - 66024 | SIDI ALI BEN AQUN         | +38.72 80 - | 7.56 10 | 465  |
| - 66068 | SIDI AMOR KENANI          | +39.55 15 - | 8.60 45 | 82   |
| - 66238 | SIDI BOUJDARIA            | +39.54 20 - | 8.18 00 | 215  |
| - 66296 | SIDI BOUZID BIR EL HEFEY  | +38.81 25 - | 7.62 10 | 436  |
| - 66300 | SIDI BOUZID FME 13        | +38.89 50 - | 8.09 90 | 325  |
| - 66301 | SIDI BOUZID SM            | +38.85 00 - | 7.90 00 | 345  |
| - 66302 | SIDI BOUZID FME 14        | +38.90 30 - | 8.18.60 | 330  |
| - 66306 | SIDI BOUZID FME 20        | +38.88 70 - | 7.86 25 | 376  |
| - 66308 | SIDI BOUZID FME 22        | +38.86 80 - | 7.82 10 | 404  |
| - 66314 | SIDI BOUZID OULED M'HAMED | +38.76 55 - | 7.99 50 | 350  |
| - 66316 | SIDI BOUZID CFPA          | +38.92 90 - | 7.95 25 | 300  |
| - 66483 | SIDI MBAREK el ayeb       | +39.63 30 - | 7.69 00 | 87   |
| - 66546 | SIDI NAJI                 | +40.05 85 - | 8.57 50 | 115  |
| - 66588 | SIDI SAAD JAUGEAGE        | +39.32 60 - | 8.17 70 | 258  |
| - 67614 | TELLA                     | +39.78 80 - | 7.66 40 | 861  |
| - 68094 | ZELFANE (BEN AOUADI)      | +39.38 10 - | 7.11 70 | 970  |
| - 68263 | ZNAIDIA (SBEITLA)         | +39.32 20 - | 7.54 10 | 680  |



| STATION | IDENTIFICATION           | LATITUDE    | LONGITUDE | ALT |
|---------|--------------------------|-------------|-----------|-----|
| - 70001 | AYRA EL                  | +38.86 85 - | 9.51 15   | 21  |
| - 70007 | AGUAREB DELEGATION       | +38.60 00 - | 9.10 50   | 21  |
| - 70008 | AGUAREB BELLEVUE         | +38.84 30 - | 9.14 15   | 70  |
| - 70009 | AGUAREB OUED KHEBAT      | +38.81 31 - | 9.08 50   | 118 |
| - 70583 | AKGUDA SM                | +39.85 60 - | 9.14 30   | 40  |
| - 70873 | BESSERIANI               | +39.79 40 - | 8.88 10   | 192 |
| - 70895 | BICHKA                   | +39.79 45 - | 8.94 45   | 102 |
| - 70987 | BIR SALAH                | +39.12 83 - | 9.30 42   | 22  |
| - 71035 | BORJ BOU SLIM            | +38.56 20 - | 8.53 45   | 150 |
| - 71090 | BORJ JEDIDI FME ROUX     | +38.42 00 - | 8.87 18   | 100 |
| - 71094 | BORJ LARMAN              | +39.64 50 - | 8.77 00   | 200 |
| - 71114 | BORJ LA GARE FME SALAVY  | +38.34 25 - | 8.90 00   | 36  |
| - 71138 | BORJ LA MARNE            | +39.95 60 - | 9.14 15   | 107 |
| - 71154 | BORDJ NAOUARA            | +38.50 00 - | 8.83 29   | 123 |
| - 71167 | BORDJ SAADA              | +39.93 25 - | 8.64 60   | 192 |
| - 71170 | BORDJ SAFAFA ST MICHEL   | +38.45 00 - | 8.82 88   | 90  |
| - 71204 | BORDJ ZAOUAYA LAURENCE   | +38.53 20 - | 8.81 90   | 160 |
| - 71211 | BORDJ ZITOUNA MIRASAG    | +38.61 20 - | 8.81 83   | 170 |
| - 71276 | BORDJ BEN KESSIM         | +38.57 53 - | 8.78 30   | 180 |
| - 71417 | BOU LADIES               | +38.60 20 - | 8.93 10   | 140 |
| - 71427 | BOU MERDES               | +39.38 80 - | 9.32 90   | 70  |
| - 71443 | BOU THADI POMPAGE        | +38.93 63 - | 8.82 00   | 150 |
| - 71444 | BOU THADI 2 CESAREE      | +38.95 00 - | 8.75 00   | 28  |
| - 71591 | CHERBA POMPAGE           | +39.17 65 - | 9.72 55   | 24  |
| - 71592 | CHERBA MUNICIPALITE      | +39.15 50 - | 9.75 50   | 12  |
| - 71637 | CHOTT MARIEM CRCK        | +59.91 00 - | 9.14 00   | 20  |
| - 71942 | DJEBENJANA POMPAGE       | +38.91 50 - | 9.52 40   | 33  |
| - 71993 | DJEM SM                  | +39.23 00 - | 9.31 00   | 113 |
| - 72004 | JEMMEL                   | +39.58 30 - | 9.36 00   | 30  |
| - 72172 | DOUKHANE                 | +38.88 50 - | 9.34 60   | 120 |
| - 72258 | DNE DE MOUASSET          | +38.42 70 - | 8.97 80   | 50  |
| - 72285 | DNE DE ST LOUIS BLATTICH | +38.98 50 - | 9.41 40   | 65  |
| - 72303 | DNE DE LA SALINITE       | +38.88 40 - | 8.89 30   | 117 |
| - 72339 | DRAA BEN ZIAD            | +39.80 00 - | 9.45 70   | 30  |
| - 72525 | EL ONK SE                | +39.66 00 - | 9.05 00   | 91  |
| - 72567 | ETTAKADOUN(COOP)         | +39.28 60 - | 9.37 00   | 15  |
| - 72846 | GADHABNA CHUBBA FORET    | +39.15 40 - | 9.77 95   | 5   |
| - 72024 | HAI GACEM                | +38.76 70 - | 8.79 50   | 200 |
| - 73185 | HIR BOMAZIL              | +38.94 90 - | 9.10 15   | 109 |
| - 73216 | HZL ENNEUR               | +39.63 00 - | 9.38 00   | 100 |
| - 73343 | HENCHA OULED AIMEE       | +39.05 30 - | 9.31 85   | 51  |
| - 73344 | HENCHA DELEG             | +39.02 80 - | 9.34 20   | 50  |
| - 73361 | HENCHIR SALAH HACHECHA   | +38.59 59 - | 9.39 45   | 151 |
| - 73410 | HIR SRIDIK               | +38.54 20 - | 9.39 45   | 151 |
| - 73466 | JULURIER BOUCHARA        | +38.88 00 - | 9.14 00   | 128 |
| - 73509 | KALAA KESTRA             | +39.86 00 - | 9.11 50   | 50  |
| - 73510 | KALAA SECHERA            | +39.80 50 - | 9.13 20   | 55  |
| - 73625 | KERKENEH EL ATTAYA       | +38.60 40 - | 9.95 30   | 61  |
| - 73636 | KERKENEH KELLABINE PTT   | +38.56 50 - | 9.86 40   | 4   |
| - 73639 | KERKENEH MELATTIA        | +38.45 25 - | 9.65 93   | 3   |
| - 73641 | KERKENAH RADIO PHARE SM  | +38.60 00 - | 9.97 00   | 0   |
| - 73642 | KERKANAH                 | +38.56 20 - | 9.85 30   | 3   |
| - 73643 | KERKENAH ENNEJETIE       | +38.63 20 - | 9.91 60   | 6   |
| - 73820 | KSIBET EL MEDIOUNI       | +39.65 68 - | 9.46 56   | 20  |
| - 73823 | KSISBA PEPINIERE SM      | +39.29 62 - | 9.12 23   | 40  |
| - 73842 | KSAR HELLAL              | +39.61 00 - | 9.50 50   | 20  |
| - 73896 | KURIAY CLE               | +39.78 00 - | 9.67 00   | 15  |
| - 74047 | NANDIA DPU               | +39.44 43 - | 9.70 36   | 2   |
| - 74048 | NANDIA SM                | +39.44 43 - | 9.70 36   | 2   |
| - 74244 | MENZEL CHAKER 1          | +38.84 65 - | 8.92 02   | 110 |
| - 74311 | MENZEL DAR BEN OUAIR 1   | +40.03 00 - | 8.92 00   | 30  |



| ATION | IDENTIFICATION           | LATITUDE  | LONGITUDE | ALT |
|-------|--------------------------|-----------|-----------|-----|
| 4367  | MELLOULECH VILLAGE       | +39.07 50 | 9.66 70   | 11  |
| 4397  | MERKEZ CHAAL SM          | +38.35 10 | 8.85 40   | 62  |
| 4508  | MOKNINE SM               | +39.55 00 | 9.52 00   |     |
| 4603  | MSAKEN DELG SM           | +39.70 25 | 9.16 28   | 62  |
| 4631  | NAKTA                    | +38.41 50 | 9.18 20   | 3   |
| 4951  | OUED LAYA                | +39.76 90 | 9.11 35   | 63  |
| 5158  | PAVILLIER MENZEL MHIRI   | +39.36 40 | 8.35 20   | 162 |
| 5330  | RAS TYNA PHARE           | +38.50 00 | 9.28 00   | 55  |
| 5510  | SAKIET EZZIT             | +38.67 40 | 9.36 30   | 20  |
| 5522  | SALAKTA                  | +39.29 00 | 9.66 00   | 5   |
| 5666  | SALINES DES PALMES SM    | +39.73 70 | 9.29 70   | 13  |
| 5928  | SFAX JARDIN D'ESSAI      | +38.59 47 | 9.33 87   | 55  |
| 5930  | SFAX KM 11               | +38.65 50 | 9.24 08   | 55  |
| 5932  | SFAX MAOU SM             | +38.57 39 | 9.33 00   | 21  |
| 5939  | SFAX SOKRA               | +38.58 20 | 9.30 30   | 13  |
| 6034  | SIDI ALI NASRALLAH       | +39.28 10 | 8.32 50   | 150 |
| 6044  | SIDI ALI ZAOUEM          | +38.73 99 | 9.07 89   | 171 |
| 6050  | SIDI ALOUANE             | +39.29 99 | 9.56 37   | 40  |
| 6066  | SIDI AMOR BOUHADJELA     | +39.32 80 | 8.57 85   | 117 |
| 6468  | SIDI MANSOUR 1           | +38.66 60 | 9.47 69   | 5   |
| 6610  | SIDI SALAH MARABOUT      | +38.75 88 | 9.34 55   | 52  |
| 6788  | SKANES MONASTIR SM       | +39.72 21 | 9.35 17   | 15  |
| 6844  | SOUASSI                  | +39.27 50 | 9.12 90   | 50  |
| 6975  | SOUASSI CFPA SM          | +39.29 63 | 9.14 07   | 56  |
| 7072  | SOUSSE PF                | +39.79 62 | 9.22 21   | 53  |
| 7076  | SOUSSE PORT SM           | +39.81 00 | 9.22 00   | 6   |
| 7078  | SOUSSE SUBDIVISION       | +39.79 80 | 9.31 24   | 53  |
| 7358  | TAIEF ECOLE              | +38.61 65 | 8.72 15   | 180 |
| 7526  | TEBOULBA BNE VENNE INRAT | +39.60 10 | 9.58 36   | 22  |
| 7800  | TELLIL SE                | +38.87 85 | 8.64 70   | 203 |
| 8232  | ZERAMINE                 | +39.53 00 | 9.33 50   | 104 |



| STATION | IDENTIFICATION          | LATITUDE   | LONGITUDE |
|---------|-------------------------|------------|-----------|
| - 80003 | ABDESSADOK              | +38.32 50- | 7.53 00   |
| - 80560 | AYOUN AMEUR             | +39.14 00- | 6.48 00   |
| - 80905 | BIR ALI BEN KHALIFA     | +38.59 60- | 8.82 10   |
| - 51122 | BORDJ HACHICHINA DOLFUS | +38.23 00- | 8.71 00   |
| - 81323 | BOU CHEBKA              | +39.08 20- | 6.77 00   |
| - 81376 | BOU OMRANE              | +38.17 00- | 7.53 00   |
| - 81395 | BOU HEDMA FORET         | +38.30 70- | 8.12 70   |
| - 81842 | DERNAYA PF              | +39.03 40- | 6.81 00   |
| - 82161 | JEBEL SENED             | +38.29 30- | 7.70 00   |
| - 82340 | DRAA JEBBANA            | +38.74 38- | 6.83 34   |
| - 82676 | FERIANA SM              | +38.83 00- | 6.93 05   |
| - 82800 | CAFSA 1 SM              | +38.25 00- | 7.18 00   |
| - 82829 | GARAAT ENNAAM POMPAGE   | +38.90 70- | 6.91 82   |
| - 83196 | HIR BOU ALEM            | +38.40 00- | 7.85 00   |
| - 83266 | HENCHIR EL HICHA        | +37.97 50- | 8.50 00   |
| - 83270 | HENCHIR EL KALLEL       | +38.54 00- | 7.80 00   |
| - 83848 | KSAR GUERISS CRGR       | +38.50 00- | 8.29 50   |
| - 84090 | MAKNASSY LOVY           | +38.41 45- | 8.04 00   |
| - 84091 | MEKNASSY GR SM          | +38.45 00- | 8.08 20   |
| - 84224 | MENZEL BOU ZAIEN        | +38.15 00- | 7.97 00   |
| - 84227 | MECHACHA                | +38.34 00- | 7.96 85   |
| - 84272 | MEJEN BEL ABBES SM      | +38.60 80- | 6.87 60   |
| - 84432 | METLAOUI SM             | +38.13 00- | 6.70 00   |
| - 84450 | MEZZOUNA DISPENSARE     | +38.41 75- | 8.34 42   |
| - 84459 | MDHILA                  | +38.19 80- | 7.12 20   |
| - 84568 | MOULARES SM             | +38.32 00- | 8.82 00   |
| - 84605 | MSILLA                  | +38.65 10- | 7.00 60   |
| - 84713 | MAKNASSY OULED BOU AZIZ | +38.50 95- | 7.90 30   |
| - 84740 | OULED MANSOUR           | +38.12 00- | 7.84 00   |
| - 84749 | OULED M'BAREK           | +38.42 90- | 8.14 95   |
| - 84820 | OULED BOU SAAD          | +38.28 50- | 7.65 00   |
| - 85128 | OUM LAKSAB              | +38.55 00- | 6.72 00   |
| - 85350 | REDEYEF 1 SM            | +38.21 00- | 6.46 00   |
| - 85361 | REGUEB DELEGATION       | +38.72 20- | 8.28 00   |
| - 85860 | SENEB MAJOURA           | +38.47 40- | 8.08 20   |
| - 85864 | SENEB DELEGATION        | +38.38 50- | 7.69 00   |
| - 86004 | SIDI AIECH              | +38.59 50- | 7.16 10   |
| - 86968 | SOUANI SIDI MHEDHEB     | +38.11 20- | 8.54 10   |
| - 87403 | TAMEGHAZA GN            | +38.20 90- | 6.23 18   |
| - 88138 | ZANNOUCH                | +38.30 00- | 7.46 00   |



| STATION | IDENTIFICATION           | LATITUDE    | LONGITUDE | ALT |
|---------|--------------------------|-------------|-----------|-----|
| 90615   | ALLAMET MECHLOUCH        | +37.17 00 - | 8.92 50   | 123 |
| 90649   | AOUINET                  | +37.76 45 - | 8.52 60   | 18  |
| 90959   | BIR LAHMAR (ORSTOM)      | +36.83 30 - | 8.89 00   | 190 |
| 90960   | BIR LAMMAR               | +35.86 50 - | 9.00 40   | 160 |
| 91171   | BORDJ SAIDANE KEBILI     | +37.50 00 - | 7.75 00   | 250 |
| 91243   | BEN GUERDANE 1 SM        | +36.82 00 - | 9.87 00   | 12  |
| 91254   | BENI KHEDECHE DELEGATION | +36.94 00 - | 8.74 00   | 512 |
| 91361   | BOU GHRARA ECOLE CMA     | +37.22 00 - | 9.23 00   | 250 |
| 91810   | DHILAT GN                | +35.56 60 - | 9.29 74   | 320 |
| 92023   | DJERBA AERODROME SM      | +37.64 00 - | 9.40 00   | 5   |
| 92025   | DJERBA CEDILIANE         | +37.60 00 - | 9.40 55   | 20  |
| 92028   | DJERBA EL MAY SM         | +37.55 54 - | 9.49 99   | 50  |
| 92030   | DJERBA MIDOUN SM         | +37.56 60 - | 9.62 00   | 35  |
| 92033   | DJERBA CEDOUIKECH ECOLE  | +37.46 00 - | 9.53 00   | 20  |
| 92331   | DOUZ CRDA SM             | +37.18 00 - | 7.43 00   | 71  |
| 92524   | EL BORMA SM              | +35.16 67 - | 8.31 47   | 900 |
| 92532   | EL HAMMA PV              | +37.00 50 - | 8.31 00   | 53  |
| 92560   | EL MDOU                  | +37.56 15 - | 8.59 30   | 55  |
| 92582   | EL MIDA ECOLE            | +37.83 00 - | 8.41 00   | 52  |
| 92775   | GABES SM                 | +37.65 00 - | 8.62 00   | 4   |
| 92780   | GABES DRES               | +37.82 00 - | 8.83 50   | 4   |
| 92911   | GHOUMRASSEN              | +36.74 00 - | 8.90 00   | 337 |
| 93106   | HASSI AMOR               | +37.07 00 - | 9.20 50   | 70  |
| 93428   | HIZOUA                   | +37.53 50 - | 5.77 00   | 30  |
| 93589   | KEBILI SE                | +37.45 00 - | 7.38 00   | 59  |
| 93760   | KOUTINE                  | +37.16 50 - | 8.95 00   | 99  |
| 93806   | KSAR EL HALLOUF ECOLE    | +36.99 00 - | 8.69 00   | 570 |
| 93828   | KSAR DJEDID              | +37.01 00 - | 8.87 00   | 165 |
| 94144   | MARETH                   | +37.35 70 - | 8.82 95   | 52  |
| 94210   | MATMATA DELEGATION       | +37.27 00 - | 8.50 00   | 441 |
| 94302   | MEDENINE 1 SM            | +37.04 00 - | 9.07 00   | 125 |
| 94431   | METOUILA SM              | +37.73 10 - | 8.55 50   | 40  |
| 94642   | NEFTA                    | +37.62 20 - | 6.18 90   | 22  |
| 95130   | OUM EL KHALATE           | +36.77 77 - | 9.38 15   | 00  |
| 95371   | REMADA SM                | +35.90 00 - | 8.97 00   | 300 |
| 96886   | STE SIDI CHOMMAKH        | +37.33 00 - | 9.65 00   | 14  |
| 97444   | TATAOUINE SM             | +36.56 00 - | 8.02 10   | 240 |
| 97568   | TECHINE ECOLE            | +37.19 50 - | 8.51 50   | 475 |
| 97635   | TELMAM OUED ZITA         | +37.00 00 - | 8.20 00   | 70  |
| 97745   | TOUJANE EDDEKHILA        | +37.15 45 - | 8.70 10   | 500 |
| 97746   | TOUJANE ECOLE            | +37.19 00 - | 8.66 00   | 550 |
| 97768   | TOZBUR SM                | +37.69 46 - | 6.40 00   | 87  |
| 98055   | ZAFRANE DOUZ             | +37.15 00 - | 7.30 00   | 70  |
| 98174   | ZARKINE PAR MERETH       | +37.33 32 - | 8.79 62   | 53  |
| 98176   | ZARZIS VILLE PAVA        | +37.22 00 - | 9.75 00   | 11  |
| 98180   | ZARZIS VILLE SE 2        | +37.22 00 - | 9.75 37   | 11  |
| 98302   | ZRAOUA                   | +37.80 50 - | 8.22 70   | 380 |



FICHES PLUVIOMÉTRIQUES  
ANNUELLES



Le commentaire chiffré (COM de l'avant-dernière ligne du tableau) se compose de 3 colonnes : la 1<sup>ère</sup> se rapporte à l'origine des relevés, la 2<sup>ème</sup> à leur valeur, la 3<sup>ème</sup> à leur qualité.

Le décodage de ces chiffres se fait à l'aide du tableau suivant :

| Origine                  | valeur                           | Qualité                             |
|--------------------------|----------------------------------|-------------------------------------|
| 0 : Pas d'avis           | 0 : Pas d'avis                   | 0 : Non collationné                 |
| 1 : Originaux DRE        | 1 : Relevés quotidiens complets  | 1 : Pas de doute                    |
| 2 : Copie météo          | 2 : Quelques jours groupés       | 2 : collationné                     |
| 3 : Copie d'ap.Originaux | 3 : Quotidiens Incomplets        | 3 : Décalage Temps                  |
| 4 : Copie                | 4 : Non Quotidiens et Incomplets | 4 : Douteux                         |
| 5 : Edition              | 5 : Total Mensuel                | 5 : Inutilisable                    |
| 9 : Inconnue             | 9 : Pas de mesure                | 6 : Décade                          |
|                          |                                  | 7 : Corrigé                         |
|                          |                                  | 8 : Reconstitution<br>par voisinage |



[illegible]



| LAT= 40GR.09 18 LONG= 7GR.27 08 ALTA= 600 M |      |       |      |       |       |       |       |       |      |      |               |       |   |    |
|---|------|-------|------|-------|-------|-------|-------|-------|------|------|---------------|-------|---|----|
| SEPT  | OCTO | NOVE  | DECE | JANV  | FEVR  | MARS  | AVRI  | MAI   | JUIN | JUIL | AOUT          |       |   |    |
| 1   |      |       | 5.0  |       |       |       |       | 20.0  |      |      | 1             |       |   |    |
| 2   |      |       | 8.0  |       |       |       |       |       |      |      | 2             |       |   |    |
| 3   |      |       | 10.0 |       |       |       |       |       |      |      | 3             |       |   |    |
| 4   |      |       |      |       |       | 12.0  |       |       |      |      | 4             |       |   |    |
| 5   |      |       | 15.0 |       |       | 20.0  |       |       |      |      | 5             |       |   |    |
| 6   |      |       |      |       |       | 32.0  |       |       |      |      | 6             |       |   |    |
| 7   |      |       |      |       |       | 15.0  |       |       |      |      | 7             |       |   |    |
| 8   |      | 6.0   |      |       |       |       |       | 6.0   |      |      | 8             |       |   |    |
| 9   |      |       |      |       |       |       |       | 12.0  |      |      | 9             |       |   |    |
| 10  |      |       |      |       |       |       |       | 15.0  |      |      | 10            |       |   |    |
| 11  |      | 10.0  |      |       |       |       |       | 10.0  |      |      | 11            |       |   |    |
| 12  |      |       |      |       |       |       |       |       |      |      | 12            |       |   |    |
| 13  |      |       |      |       |       |       |       |       |      |      | 13            |       |   |    |
| 14  |      |       |      |       |       |       | 10.0  |       |      |      | 14            |       |   |    |
| 15  |      | 12.0  | 10.0 |       |       |       | 8.0   |       |      |      | 15            |       |   |    |
| 16  |      |       |      | 8.0   |       |       | 6.0   |       |      |      | 16            |       |   |    |
| 17  |      |       |      |       | 25.0  |       | 9.0   |       |      |      | 17            |       |   |    |
| 18  |      |       | 20.0 |       | 6.0   |       | 16.0  |       |      |      | 18            |       |   |    |
| 19  |      |       | 10.0 | 19.0  | 4.0   | 8.0   | 25.0  |       |      |      | 19            |       |   |    |
| 20  |      |       |      |       | 8.0   | 14.0  | 13.0  |       |      |      | 20            |       |   |    |
| 21  |      |       | 15.0 |       | 25.0  | 25.0  | 20.0  |       |      |      | 21            |       |   |    |
| 22  |      |       | 10.0 | 9.0   | 15.0  | 12.0  | 16.0  |       |      |      | 22            |       |   |    |
| 23  |      |       | 18.0 | 26.0  | 20.0  |       |       |       |      |      | 23            |       |   |    |
| 24  | 14.0 |       |      | 15.0  |       |       |       |       |      |      | 24            |       |   |    |
| 25  | 6.0  |       |      | 18.0  |       |       | 6.0   |       |      |      | 25            |       |   |    |
| 26  |      |       |      | 16.0  |       |       |       |       |      |      | 26            |       |   |    |
| 27  | 42.0 |       |      | 25.0  |       |       |       |       |      |      | 27            |       |   |    |
| 28  | 20.0 | 30.0  |      | 16.0  |       |       |       |       |      |      | 28            |       |   |    |
| 29  | 10.0 |       | 10.0 | 12.0  |       |       |       |       |      |      | 29            |       |   |    |
| 30  |      |       | 26.0 |       |       |       |       |       |      |      | 30            |       |   |    |
| 31  |      |       |      |       |       |       |       |       |      |      | 31            |       |   |    |
| TOT   | 10.0 | 114.0 | 84.0 | 141.0 | 184.0 | 103.0 | 114.0 | 131.0 | 63.0 | 0.0  | 0.0           | 26.1  |   |    |
| OBSERVATEUR= CHEHI NOHCINE                  |      |       |      |       |       |       |       |       |      |      | TOTAL ANNUEL= | 994.1 |   |    |
| COM + 112                                   | 112  | 112   | 112  | 112   | 112   | 112   | 112   | 112   | 112  | 112  | 112           |       |   |    |
| M J   | 2    | 4     | 5    | 6     | 10    | 10    | 7     | 8     | 10   | 5    | 0             | 0     | 2 | 64 |

STATION 30394

AIN SAIDA

ANNEE 1981/1982

| LAT= 40GR.05 70 LONG= 7GR.35 42 ALTA= 240 M |      |      |      |       |       |       |       |       |      |      |               |        |
|---|------|------|------|-------|-------|-------|-------|-------|------|------|---------------|--------|
| SEPT  | OCTO | NOVE | DECE | JANV  | FEVR  | MARS  | AVRI  | MAI   | JUIN | JUIL | AOUT          |        |
| 1   |      |      | 16.0 |       |       |       |       |       |      |      | 1             |        |
| 2   |      |      | 17.0 |       |       |       |       |       |      |      | 2             |        |
| 3   |      |      | 14.0 |       |       |       |       |       |      |      | 3             |        |
| 4   |      |      | 25.0 |       |       |       |       |       |      |      | 4             |        |
| 5   |      |      | 12.0 |       |       | 45.0  |       |       |      |      | 5             |        |
| 6   |      |      |      | 11.0  |       | 40.0  |       |       |      |      | 6             |        |
| 7   |      |      |      |       |       |       |       |       |      |      | 7             |        |
| 8   |      | 12.0 |      |       |       |       |       |       |      |      | 8             |        |
| 9   |      |      |      |       |       |       |       |       |      |      | 9             |        |
| 10  |      |      |      |       |       |       |       |       |      |      | 10            |        |
| 11  |      | 4.0  |      |       |       |       |       |       |      |      | 11            |        |
| 12  |      |      |      |       |       |       |       |       |      |      | 12            |        |
| 13  |      |      |      |       |       |       |       |       |      |      | 13            |        |
| 14  |      | 5.0  |      |       |       |       |       |       |      |      | 14            |        |
| 15  |      |      | 2    |       |       |       |       |       |      |      | 15            |        |
| 16  |      |      |      | 3.0   |       |       |       |       |      |      | 16            |        |
| 17  |      |      |      |       | 50.0  |       |       |       |      |      | 17            |        |
| 18  |      |      |      |       | 5.0   |       | 11.0  |       |      |      | 18            |        |
| 19  |      |      | 27.0 | 18.5  |       | 30.0  | 20.0  |       |      |      | 19            |        |
| 20  |      |      | 50.0 | 6.4   |       |       | 25.0  |       |      |      | 20            |        |
| 21  |      |      |      | 10.0  | 34.0  | 30.0  | 48.0  |       |      |      | 21            |        |
| 22  |      |      |      | 11.0  | 36.0  | 42.0  |       |       |      |      | 22            |        |
| 23  |      |      | 10.0 | 80.0  |       | 20.0  |       |       |      |      | 23            |        |
| 24  | 12.0 |      | 6.0  | 25.0  |       |       |       |       |      |      | 24            |        |
| 25  | 15.0 |      |      | 24.0  |       |       |       |       |      |      | 25            |        |
| 26  |      | 17.0 | 9.5  | 10.0  | 15.0  |       |       |       |      |      | 26            |        |
| 27  |      | 12.0 | 7.0  | 16.0  | 11.0  |       | 12.0  |       |      |      | 27            |        |
| 28  |      |      |      | 21.0  |       |       | 24.0  |       |      |      | 28            |        |
| 29  |      |      | 27.0 | 25.0  |       |       |       |       |      |      | 29            |        |
| 30  |      |      | 25.0 |       | 8.0   | 7.0   |       |       |      |      | 30            |        |
| 31  |      |      |      | 10.0  |       | 13.0  |       |       |      |      | 31            |        |
| TOT   | 15.0 | 56.0 | 87.1 | 214.2 | 265.9 | 149.0 | 222.0 | 142.0 | 60.0 | 3.0  | 0.0           | 30.0   |
| OBSERVATEUR= FERJAOUI APMAN                 |      |      |      |       |       |       |       |       |      |      | TOTAL ANNUEL= | 1221.1 |
| COM + 058                                   | 112  | 112  | 112  | 112   | 112   | 112   | 112   | 058   | 058  | 053  | 351           |        |











STATION 30782

BAZINA

ANNEE 1951/1952

|     |      | LATN 41GR.07 30 |      | LONGE 76R.73 35 |       | ALT= 460 M |       |       |       |      |      |      |      |
|-----|------|-----------------|------|-----------------|-------|------------|-------|-------|-------|------|------|------|------|
|     |      | SEPT            | OCTO | NOVE            | DECE  | JANV       | FEBV  | MARS  | AVRI  | MAI  | JUIN | JUIL | AOUT |
| 1   |      |                 |      |                 | 15.0  |            |       |       | 10.0  |      |      |      |      |
| 2   |      |                 |      |                 | 7.0   |            |       |       | 5.3   |      |      |      |      |
| 3   |      |                 |      |                 | 6.0   |            |       | 10.0  |       |      |      |      |      |
| 4   |      |                 |      |                 | 27.5  |            |       | 25.0  |       |      |      |      |      |
| 5   |      |                 |      |                 | 11.0  |            |       | 14.7  |       |      |      |      |      |
| 6   |      |                 |      | 2.4             |       |            |       | 10.0  |       |      |      |      |      |
| 7   |      |                 |      | 3.5             |       |            |       |       |       |      |      |      |      |
| 8   |      |                 |      |                 |       |            |       |       |       | 6.5  |      |      |      |
| 9   |      |                 |      |                 |       |            |       |       |       | 16.0 |      |      |      |
| 10  |      |                 |      | 10.3            |       |            |       |       |       | 3.0  |      |      |      |
| 11  |      |                 |      |                 |       |            |       |       |       |      |      |      |      |
| 12  |      |                 |      |                 |       |            |       |       |       |      |      |      |      |
| 13  |      |                 |      |                 |       |            |       |       | 5.5   |      |      |      |      |
| 14  |      |                 |      | 3.5             |       |            |       |       | 11.0  |      |      |      |      |
| 15  |      |                 |      | 1.1             | 40.0  |            |       |       | 3.6   |      |      |      |      |
| 16  |      |                 |      | 5               |       | 40.0       |       |       |       |      |      |      |      |
| 17  |      |                 |      |                 |       |            |       |       |       |      |      |      |      |
| 18  |      |                 |      |                 |       |            | 30.0  |       | 13.3  |      |      |      |      |
| 19  |      |                 |      |                 | 16.0  | 24.0       |       | 1.5   | 32.0  |      |      |      |      |
| 20  |      |                 |      |                 |       | 1.0        |       | 2.8   | 25.6  |      |      |      |      |
| 21  |      |                 |      |                 |       | 2.0        | 75.0  | 15.0  |       |      |      |      |      |
| 22  |      |                 | 8.5  |                 |       | 20.0       | 50.0  | 10.1  |       |      |      |      |      |
| 23  |      |                 |      |                 | 29.0  | 24.0       | 5.1   |       |       |      |      |      |      |
| 24  |      |                 |      |                 | 2.0   | 10.0       | 12.0  | 8     |       |      |      |      |      |
| 25  |      |                 | 3.0  |                 | 2.0   | 6.0        | 15.0  |       | 3.4   |      |      |      |      |
| 26  |      |                 |      | 43.3            | 1.0   | 24.0       |       |       |       |      |      |      |      |
| 27  |      |                 | 13.5 | 3.5             |       | 15.0       |       |       | 1.3   |      |      |      |      |
| 28  | 13.0 |                 | 10.0 |                 |       | 10.0       |       |       |       |      |      |      |      |
| 29  | 11.0 |                 |      | 74.0            |       |            |       | 4.8   |       |      |      |      |      |
| 30  |      |                 |      | 13.1            |       |            |       | 6.9   | 3.3   |      |      |      |      |
| 31  |      |                 |      |                 |       |            |       | 3.0   |       |      |      |      |      |
| TOT |      | 24.0            | 54.0 | 93.8            | 154.5 | 176.0      | 161.0 | 123.1 | 113.5 | 25.5 | 0.0  | 0.0  | 10.0 |

OBSERVATEUR= SOULMI MOHAPET

TOTAL ANNUEL= 942.4

|     | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 155 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| N J | 2   | 4   | 11  | 11  | 11  | 1   | 12  | 11  | 3   | 0   | 3   | 44  | 14  |

STATION 30841

BELLIE

ANNEE 1981/1982

|     |      | LATN 41GR.14 50 |      | LONGE 76R.50 52 |       | ALT= 100 M |       |       |      |      |      |      |      |
|-----|------|-----------------|------|-----------------|-------|------------|-------|-------|------|------|------|------|------|
|     |      | SEPT            | OCTO | NOVE            | DECE  | JANV       | FEBV  | MARS  | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1   |      |                 |      |                 | 30.5  |            |       |       |      |      |      |      |      |
| 2   |      |                 |      |                 | 2.0   |            |       |       |      |      |      |      |      |
| 3   |      |                 |      |                 | 0.5   |            |       |       |      |      |      |      |      |
| 4   |      |                 |      |                 | 22.6  |            |       |       |      |      |      |      |      |
| 5   |      |                 |      |                 | 6.0   |            |       | 44.0  |      |      |      |      |      |
| 6   |      |                 |      |                 |       |            |       | 23.0  |      |      |      |      |      |
| 7   |      |                 |      |                 |       |            |       | 13.0  |      |      |      |      |      |
| 8   |      |                 |      |                 |       |            |       | 12.5  |      |      |      |      |      |
| 9   |      |                 |      |                 |       |            |       |       |      | 22.3 |      |      | 27.0 |
| 10  |      |                 |      |                 |       |            |       |       |      | 1.5  |      |      |      |
| 11  |      |                 |      |                 |       |            |       |       | 4.0  | 2.0  |      |      |      |
| 12  |      |                 |      |                 |       |            |       |       | 6.0  |      |      |      |      |
| 13  |      |                 |      |                 |       |            |       |       |      |      |      |      |      |
| 14  |      |                 |      |                 |       |            |       |       |      |      |      |      |      |
| 15  |      |                 |      |                 | 11.0  | 8.0        |       |       |      |      |      |      |      |
| 16  |      |                 |      |                 |       |            | 17.0  |       | 5.0  |      |      |      |      |
| 17  |      |                 |      |                 |       |            | 14.0  |       | 7.0  |      |      |      |      |
| 18  |      |                 |      |                 |       |            |       |       | 11.5 |      |      |      |      |
| 19  |      |                 |      |                 | 29.9  | 15.8       | 2.0   |       | 32.0 |      |      |      |      |
| 20  |      |                 |      |                 | 40.0  |            |       | 10.0  | 13.0 |      |      |      |      |
| 21  |      |                 |      |                 |       | 6.4        | 20.0  | 13.0  | 5.0  |      |      |      |      |
| 22  |      |                 |      |                 |       | 63.0       | 15.0  | 3     |      |      |      |      |      |
| 23  |      |                 |      |                 | 23.0  | 26.0       | 6.5   | 2     |      |      |      |      |      |
| 24  | 2.1  |                 | 6.5  |                 | 4.0   | 10.0       | 20.0  |       |      |      |      |      |      |
| 25  |      |                 | 5.2  |                 | 3.5   | 8.0        | 25.0  |       | 5.5  |      |      |      |      |
| 26  |      |                 | 10.3 |                 | 5.2   | 18.5       | 7.1   |       |      |      |      |      |      |
| 27  |      |                 | 14.2 |                 |       | 25.0       |       |       |      |      |      |      |      |
| 28  | 10.0 |                 |      |                 |       | 25.0       |       |       |      |      |      |      |      |
| 29  | 6.3  |                 |      |                 |       | 23.0       |       | 6.0   |      |      |      |      |      |
| 30  |      |                 |      |                 |       | 7.0        |       | 9.0   |      |      |      |      |      |
| 31  |      |                 |      |                 |       |            |       | 1     |      |      |      |      |      |
| TOT |      | 15.4            | 36.5 | 55.0            | 189.2 | 237.7      | 166.5 | 131.1 | 25.0 | 25.0 | 3.0  | 0.0  | 27.0 |

OBSERVATEUR=

TOTAL ANNUEL= 730.2

|  | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 056 | 053 | 112 |  |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|



| LAT= 4109.45 00    |      | LONG= 120.20 20 |      | ALT= 350 M |      |      |       |      |      |      |      |
|--------------------|------|-----------------|------|------------|------|------|-------|------|------|------|------|
| SEPT               | OCTO | NOVE            | DECI | JANV       | FEBR | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT |
| 1                  |      |                 |      |            |      |      |       |      |      |      | 1    |
| 2                  |      |                 |      |            |      |      |       |      |      |      | 2    |
| 3                  |      |                 |      |            |      |      |       |      |      |      | 3    |
| 4                  |      |                 |      |            |      |      |       |      |      |      | 4    |
| 5                  |      |                 |      |            |      |      |       |      |      |      | 5    |
| 6                  |      |                 |      |            |      |      |       |      |      |      | 6    |
| 7                  |      | 6.5             |      |            |      |      |       |      |      |      | 7    |
| 8                  |      |                 |      |            |      | 11.2 |       | 10.0 |      |      | 8    |
| 9                  |      |                 |      |            |      |      |       | 10.2 |      |      | 9    |
| 10                 |      |                 |      |            |      |      |       |      |      |      | 10   |
| 11                 |      |                 |      |            |      |      |       |      |      |      | 11   |
| 12                 |      |                 |      |            |      |      |       |      |      |      | 12   |
| 13                 |      |                 |      |            |      |      |       |      |      |      | 13   |
| 14                 |      |                 |      |            |      |      |       |      |      |      | 14   |
| 15                 |      |                 |      |            |      |      |       |      |      |      | 15   |
| 16                 |      |                 |      |            | 29.3 |      |       |      |      |      | 16   |
| 17                 |      |                 |      |            |      |      |       |      |      |      | 17   |
| 18                 |      |                 |      |            | 21.1 |      |       |      |      |      | 18   |
| 19                 |      |                 |      |            |      |      |       |      |      |      | 19   |
| 20                 |      |                 |      |            |      |      |       |      |      |      | 20   |
| 21                 |      |                 |      |            | 4.6  |      |       |      |      |      | 21   |
| 22                 |      |                 |      |            | 11.9 |      |       |      |      |      | 22   |
| 23                 |      |                 |      |            |      |      |       |      |      |      | 23   |
| 24                 |      |                 |      |            |      |      |       |      |      |      | 24   |
| 25                 |      |                 |      |            |      |      |       |      |      |      | 25   |
| 26                 |      |                 |      |            |      |      |       |      |      |      | 26   |
| 27                 |      |                 |      |            | 5.9  |      |       |      |      |      | 27   |
| 28                 | 4.0  | 10.5            |      |            |      |      |       |      |      |      | 28   |
| 29                 |      | 5.5             |      |            |      |      |       |      |      |      | 29   |
| 30                 |      |                 |      |            |      | 0.4  |       |      |      |      | 30   |
| 31                 |      |                 |      |            |      |      |       |      |      |      | 31   |
| TOT                | 21   | 30.6            |      |            |      | 21   |       | 20.7 | 0.0  | 0.3  | 0.0  |
| OBSERVATEUR=       |      |                 |      |            |      |      |       |      |      |      |      |
| TOTAL ANNUEL= 44.5 |      |                 |      |            |      |      |       |      |      |      |      |
| CHM = 132          | 112  | 090             | 090  | 132        | 090  | 132  | 090   | 112  | 112  | 054  | 054  |
| K J                | 24   | 5               |      |            |      |      |       | 2    | 0    | 46   |      |

| STATION 30997       |      | GIZERT BOUTARIA |      |      |       | ARNEE 1981/1982 |           |       |      |      |              |      |       |
|---------------------|------|-----------------|------|------|-------|-----------------|-----------|-------|------|------|--------------|------|-------|
|                     |      | LAT= 47GR.41 SO |      |      |       | LONG=           | SGR.23 NS |       | ALT= | SO M |              |      |       |
|                     | SEPT | OCTO            | NOVE | DECE | JANV  | FEBR            | MARS      | AVRIL | MAY  | JUIN | JUIL         | AOUT |       |
| 1                   | .    | .               | .    | 1.1  | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 2                   | .    | .               | .    | 14.6 | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 3                   | .    | .               | .    | 18.9 | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 4                   | .    | .               | .    | 4.6  | .     | .               | 1.6       | .     | .    | .    | .            | .    |       |
| 5                   | .    | .               | .    | 7.2  | .     | 2.4             | 31.5      | .     | .    | .    | .            | .    |       |
| 6                   | 5.1  | .               | 3.3  | .    | .     | .               | 13.2      | .     | .    | .    | .            | .    |       |
| 7                   | .    | .               | 2.6  | .    | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 8                   | .    | .               | .    | .    | .     | .               | .         | .     | 5.5  | .    | .            | .    |       |
| 9                   | .    | .               | .    | .    | .     | .               | .         | .     | 17.5 | .    | .            | .    |       |
| 10                  | .    | .               | .    | .    | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 11                  | .    | .               | .    | .    | .     | .               | .         | .     | 3.3  | .    | .            | .    |       |
| 12                  | .    | .               | .    | .    | .     | .               | .         | .     | .    | .    | .            | .    |       |
| 13                  | .    | .               | 4.6  | .    | .     | .               | .         | 7.7   | .    | .    | .            | .    |       |
| 14                  | .    | .               | .    | .    | .     | .               | .         | 12.3  | .    | .    | .            | .    |       |
| 15                  | .    | .               | .    | .    | .     | .               | .         | 6.4   | .    | .    | .            | .    |       |
| 16                  | .    | .               | .    | .    | 15.4  | 1.1             | .         | .     | .    | .    | .            | .    |       |
| 17                  | .    | .               | .    | .    | 4.0   | .               | .         | .     | .    | .    | .            | .    |       |
| 18                  | .    | .               | .    | .    | 29.0  | .5              | .         | 26.2  | .    | .    | .            | .    |       |
| 19                  | .    | .               | .    | .    | 4.1   | .               | .         | 27.5  | .    | .    | .            | .    |       |
| 20                  | .    | .               | .    | 38.4 | 5.9   | .               | 6.4       | 17.5  | .    | .    | .            | .    |       |
| 21                  | .    | .               | .    | 1.4  | 5.4   | 93.7            | 13.2      | 8.4   | .    | .    | .            | .    |       |
| 22                  | .    | 11.5            | .    | 8.6  | 16.4  | 1.6             | .         | .     | .    | .    | .            | .    |       |
| 23                  | .    | .               | .    | 4.4  | 6.4   | .               | .         | .     | .    | .    | .            | .    |       |
| 24                  | .    | .               | .    | 2.4  | 5.7   | 10.4            | .         | .     | .    | .    | .            | .    |       |
| 25                  | .    | .               | 3.3  | .    | 9.0   | .0              | .         | 4.4   | .    | .    | .            | .    |       |
| 26                  | .    | 10.5            | 2.4  | .    | 22.0  | 2.7             | .         | .0    | .    | .    | .            | .    |       |
| 27                  | 4.2  | 11.7            | .    | .    | 15.3  | .               | .         | .     | .    | .    | .            | .    |       |
| 28                  | 16.8 | .               | 15.9 | .    | 2.7   | .               | .         | .     | .    | .    | .            | .    |       |
| 29                  | .    | .               | 2.4  | .    | .     | .               | 7.3       | .     | .    | .    | .            | .    |       |
| 30                  | .    | .               | 1.4  | .    | .     | .               | 6.2       | .     | .    | .    | .            | .    |       |
| 31                  | .    | .               | .    | .    | .     | .               | .         | .     | .    | .    | .            | .    |       |
| TOT                 | 27.1 | 33.7            | 56.6 | 96.8 | 139.3 | 48.0            | 77.4      | 113.6 | 31.3 | 2.0  | 0.2          | 0.0  |       |
| OBSERVATEUR= HASSER |      |                 |      |      |       |                 |           |       |      |      | TOTAL ANNEE= |      | 512.4 |



STATION 51000

BIZTE EL ALIA CEPA SN

ANNEE 1981/1982

LAT° ALG. 30 00

LONG° 0° 00' 00"

ALT° 100 M

| SEPT | OCTO | NOVE | DECE | JANV | FEBV  | MARS  | AVRI | MAY   | JUIN | JUIL | AOUT |
|------|------|------|------|------|-------|-------|------|-------|------|------|------|
| 1    |      |      |      |      |       |       |      |       |      |      |      |
| 2    |      |      | 2.3  |      |       |       |      |       |      |      | 1    |
| 3    |      |      | 4.9  |      |       |       |      |       |      |      | 2    |
| 4    |      |      | 7.5  |      |       |       |      |       |      |      | 3    |
| 5    |      |      | 10.2 |      |       |       |      |       |      |      | 4    |
| 6    |      |      |      |      |       |       |      |       |      |      | 5    |
| 7    | 2.5  |      |      |      | 12.7  | 18.3  |      |       |      |      | 6    |
| 8    |      |      |      |      |       | 6.4   | 1.0  |       |      |      | 7    |
| 9    |      |      |      |      |       |       |      |       |      |      | 8    |
| 10   |      |      | 1.4  |      |       | 1.3   |      |       |      |      | 9    |
| 11   |      |      |      |      |       |       |      | 15.2  |      |      | 10   |
| 12   |      |      | 5.3  |      |       |       |      | 1.7   |      |      | 11   |
| 13   |      |      |      |      |       |       |      | 16.8  |      |      | 12   |
| 14   |      |      |      |      |       |       |      |       |      |      | 13   |
| 15   |      |      |      |      |       |       |      | 10.0  |      |      | 14   |
| 16   |      |      |      |      |       |       |      | 27.0  |      |      | 15   |
| 17   |      |      |      |      | 24.8  |       |      | 5.0   |      |      | 16   |
| 18   |      |      |      |      |       |       |      |       |      |      | 17   |
| 19   |      |      |      |      | 1.3   | 24.0  |      | 15.0  |      |      | 18   |
| 20   |      |      |      |      | 29.0  | 5.0   |      | 26.0  |      |      | 19   |
| 21   |      |      |      |      |       |       |      |       |      |      | 20   |
| 22   |      |      |      |      |       | 1.0   | 7.7  | 19.7  |      |      | 21   |
| 23   |      |      |      |      |       | 35.7  | 4.5  | 7.7   |      |      | 22   |
| 24   |      |      |      |      |       |       |      |       |      |      | 23   |
| 25   |      |      |      |      |       |       |      |       |      |      | 24   |
| 26   |      |      |      |      |       |       |      |       |      |      | 25   |
| 27   |      |      |      |      |       |       |      |       |      |      | 26   |
| 28   | 5.7  | 70.0 |      |      |       | 6.7   |      |       |      |      | 27   |
| 29   |      |      |      |      |       |       |      |       |      |      | 28   |
| 30   |      |      |      |      |       |       |      |       |      |      | 29   |
| 31   |      |      |      |      |       |       |      |       |      |      | 30   |
| TOT  | 15.7 | 71.0 | 31.9 | 84.4 | 130.4 | 231.1 | 50.7 | 135.5 | 57.7 | 2.0  | 0.2  |

OBSERVATIONS

TOTAL ANNUEL = 552.6

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CON | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| N J | 2   | 5   | 8   | 14  | 13  | 8   | 7   | 17  | 5   | 0   | 2   |

STATION 51004

BIZTE EL ALIA CEPA SN

ANNEE 1981/1982

LAT° ALG. 30 00

LONG° 0° 00' 00"

ALT° 100 M

| SEPT | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI  | MAY  | JUIN | JUIL | AOUT |
|------|------|------|------|------|-------|------|-------|------|------|------|------|
| 1    |      |      |      |      |       |      |       |      |      |      |      |
| 2    |      |      | 1.0  |      |       |      |       |      |      |      | 1    |
| 3    |      |      | 5.2  |      |       |      |       |      |      |      | 2    |
| 4    |      |      | 13.2 |      |       |      |       |      |      |      | 3    |
| 5    |      |      |      |      |       |      |       |      |      |      | 4    |
| 6    |      |      |      |      |       |      |       |      |      |      | 5    |
| 7    |      |      | 4.0  |      |       |      |       |      |      |      | 6    |
| 8    | 8.0  |      | 1.3  |      |       |      |       |      |      |      | 7    |
| 9    |      |      |      |      |       |      |       |      |      |      | 8    |
| 10   |      |      | 3.9  |      |       |      |       |      |      |      | 9    |
| 11   |      |      |      |      |       |      |       |      |      |      | 10   |
| 12   |      |      |      |      |       |      |       |      |      |      | 11   |
| 13   |      |      |      |      |       |      |       |      |      |      | 12   |
| 14   |      |      |      |      |       |      |       |      |      |      | 13   |
| 15   |      |      |      |      |       |      |       |      |      |      | 14   |
| 16   |      |      |      |      | 30.5  |      |       |      |      |      | 15   |
| 17   |      |      |      |      |       |      |       |      |      |      | 16   |
| 18   |      |      |      |      |       |      |       |      |      |      | 17   |
| 19   |      |      |      |      |       |      |       |      |      |      | 18   |
| 20   |      |      |      |      |       |      |       |      |      |      | 19   |
| 21   |      |      |      |      |       |      |       |      |      |      | 20   |
| 22   |      |      |      |      |       |      |       |      |      |      | 21   |
| 23   |      |      |      |      |       |      |       |      |      |      | 22   |
| 24   |      |      |      |      |       |      |       |      |      |      | 23   |
| 25   |      |      |      |      |       |      |       |      |      |      | 24   |
| 26   |      |      |      |      |       |      |       |      |      |      | 25   |
| 27   |      |      |      |      |       |      |       |      |      |      | 26   |
| 28   | 5.2  |      |      |      |       |      |       |      |      |      | 27   |
| 29   | 25.5 |      |      |      |       |      |       |      |      |      | 28   |
| 30   |      |      |      |      |       |      |       |      |      |      | 29   |
| 31   |      |      |      |      |       |      |       |      |      |      | 30   |
| TOT  | 49.3 | 22.4 | 34.6 | 65.3 | 111.2 | 47.0 | 111.3 | 77.4 | 58.5 | 0.0  | 0.2  |

OBSERVATIONS DEN ANNEE

TOTAL ANNUEL = 551.1

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CON | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 |
| N J | 1   | 4   | 7   | 14  | 13  | 8   | 7   | 17  | 5   | 0   | 2   |



| STATION 11125             |      | NEARBY MOUNTAINS (OFFICIAL) |      |      |      |      |                 |      |       |      |      | ANNEE 1981/1982 |      |     |     |
|---------------------------|------|-----------------------------|------|------|------|------|-----------------|------|-------|------|------|-----------------|------|-----|-----|
|                           |      | LAT. 41GR.38 70             |      |      |      |      | LONG. 8GR.52 10 |      |       |      |      | ALT. 200 M      |      |     |     |
|                           |      | SEPT                        | OCT  | NOV  | DECE | JANV | FEBV            | MARS | AVRIL | MAI  | JUIN | JUIL            | AOUT |     |     |
| 1                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 1   |     |
| 2                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 2   |     |
| 3                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 3   |     |
| 4                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 4   |     |
| 5                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 5   |     |
| 6                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 6   |     |
| 7                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 7   |     |
| 8                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 8   |     |
| 9                         |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 9   |     |
| 10                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 10  |     |
| 11                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 11  |     |
| 12                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 12  |     |
| 13                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 13  |     |
| 14                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 14  |     |
| 15                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 15  |     |
| 16                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 16  |     |
| 17                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 17  |     |
| 18                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 18  |     |
| 19                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 19  |     |
| 20                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 20  |     |
| 21                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 21  |     |
| 22                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 22  |     |
| 23                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 23  |     |
| 24                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 24  |     |
| 25                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 25  |     |
| 26                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 26  |     |
| 27                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 27  |     |
| 28                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 28  |     |
| 29                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 29  |     |
| 30                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 30  |     |
| 31                        |      |                             |      |      |      |      |                 |      |       |      |      |                 |      | 31  |     |
| TOT                       | 23.7 | 55.8                        | 57.8 | 57.7 | 54.3 | 55.6 | 56.7            | 53.5 | 56.7  | 54.0 | 54.0 | 54.7            | 54.7 |     |     |
| OBSERVATEUR: DURI MOHAMED |      |                             |      |      |      |      |                 |      |       |      |      |                 |      |     |     |
| COM                       | 112  | 112                         | 112  | 112  | 112  | 112  | 112             | 112  | 112   | 112  | 112  | 112             | 112  | 112 | 112 |
| N J                       | 5    | 6                           | 14   | 15   | 17   | 15   | 17              | 6    | 11    | 11   | 11   | 11              | 11   | 11  | 11  |

| STATION 11126             |      | BENI ATTA       |      |      |       |      |       |       | ANNEE 1981/1982 |      |      |      |       |       |  |
|---------------------------|------|-----------------|------|------|-------|------|-------|-------|-----------------|------|------|------|-------|-------|--|
|                           |      | LAT= 41GR.38 70 |      |      |       |      | LONG= |       | 8GR.52 10       |      | ALT= |      | 200 M |       |  |
|                           | SEPT | OCTO            | NOVE | DECE | JANV  | FEBV | MARS  | AVRIL | MAT             | JUIN | JUIL | AOUT |       |       |  |
| 1                         |      |                 |      | 2.8  |       |      |       | 2.3   | 3.6             |      |      |      |       | 1     |  |
| 2                         |      |                 |      | 3.2  |       |      |       |       |                 |      |      |      |       | 2     |  |
| 3                         |      |                 |      | 10.1 |       |      |       |       |                 |      |      |      |       | 3     |  |
| 4                         |      |                 |      | 6.4  |       |      |       |       |                 |      |      |      |       | 4     |  |
| 5                         |      |                 |      | 2.5  |       |      |       |       |                 |      |      |      |       | 5     |  |
| 6                         |      |                 |      |      |       |      | 1.5   |       |                 |      |      |      |       | 6     |  |
| 7                         |      |                 |      |      |       |      | 25.7  | 1.3   |                 |      |      |      |       | 7     |  |
| 8                         |      |                 | 6.5  |      |       |      | 25.1  |       |                 |      |      |      | 23.5  | 8     |  |
| 9                         |      |                 | 1.7  |      |       |      |       |       | 15.5            |      |      |      | 21.3  | 9     |  |
| 10                        |      |                 |      |      |       |      | 4.9   |       | 17.3            |      |      |      |       | 10    |  |
| 11                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 11    |  |
| 12                        |      |                 | 1.1  |      |       |      |       |       | 3.7             |      |      |      |       | 12    |  |
| 13                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 13    |  |
| 14                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 14    |  |
| 15                        |      |                 |      | 4.8  |       |      |       |       | 2.2             |      |      |      |       | 15    |  |
| 16                        |      |                 |      | 4.9  | 4.3   |      |       |       | 9.4             |      |      |      |       | 16    |  |
| 17                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 17    |  |
| 18                        |      |                 |      |      | 33.6  |      |       |       | 3.4             |      |      |      |       | 18    |  |
| 19                        |      |                 |      |      | 3.5   |      |       |       |                 |      |      |      |       | 19    |  |
| 20                        |      |                 |      |      |       |      |       |       | 2.4             |      |      |      |       | 20    |  |
| 21                        |      |                 |      |      |       |      |       |       | 12.4            |      |      |      |       | 21    |  |
| 22                        |      |                 |      |      | 22.5  | 15.7 |       |       | 35.9            |      |      |      |       | 22    |  |
| 23                        |      |                 |      |      | 16.5  |      | 1.5   |       |                 |      |      |      |       | 23    |  |
| 24                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 24    |  |
| 25                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 25    |  |
| 26                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 26    |  |
| 27                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 27    |  |
| 28                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 28    |  |
| 29                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 29    |  |
| 30                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 30    |  |
| 31                        |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 31    |  |
| TOT                       | 16.4 | 33.9            | 26.8 | 56.7 | 130.1 | 55.3 | 113.3 | 89.9  | 48.6            | 0.0  | 0.3  | 41.5 |       |       |  |
| OBSERVATEUR= DURI MOHAMED |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
| COM                       | 112  | 112             | 112  | 112  | 112   | 112  | 112   | 112   | 112             | 112  | 112  | 112  | 112   |       |  |
| TOTAL ANNUEL=             |      |                 |      |      |       |      |       |       |                 |      |      |      |       | 532.7 |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |
|                           |      |                 |      |      |       |      |       |       |                 |      |      |      |       |       |  |



| STATION 31183       |      | BGN0J TALEO     |      |      |       |      |                 |       | ANNEE 1983/1982 |      |     |      |
|---------------------|------|-----------------|------|------|-------|------|-----------------|-------|-----------------|------|-----|------|
|                     |      | LAT= 41GR.11 20 |      |      |       |      | LONG= 8GR.16 50 |       | ALIM= 15 M      |      |     |      |
|                     | SEPT | OCTO            | NOVE | DECE | JANV  | FEBV | MARS            | AVRIL | MAI             | JUIN | JUL | AOUT |
| 1                   | .    | .               | .    | .    | .     | .    | .               | 3.3   | .               | .    | .   | .    |
| 2                   | .    | .               | .    | 4.5  | .     | .    | .               | .     | .               | .    | .   | .    |
| 3                   | .    | .               | .    | 4.0  | .     | .    | .               | .     | .               | .    | .   | .    |
| 4                   | .    | .               | .    | 1.8  | .     | .    | .               | .     | .               | .    | .   | .    |
| 5                   | .    | .               | .    | .    | .     | .    | 16.0            | .     | .               | .    | .   | .    |
| 6                   | .    | .               | .    | .    | .     | .    | 35.4            | 3.3   | .               | .    | .   | .    |
| 7                   | .    | 5               | 2.3  | .    | .     | .    | 2.5             | .     | .               | .    | .   | .    |
| 8                   | .    | .               | .    | .    | .     | .    | 2.1             | .     | 19.3            | .    | .   | .    |
| 9                   | .    | .               | .    | .    | .     | .    | .               | .     | 19.3            | .    | .   | 5    |
| 10                  | .    | .               | .    | .    | .     | .    | .               | .     | .               | .    | .   | .    |
| 11                  | .    | .               | .    | .    | .     | .    | .               | .     | 7.3             | .    | .   | .    |
| 12                  | .    | .               | .    | .    | .     | .    | .               | .     | .               | .    | .   | .    |
| 13                  | .    | .               | .    | .    | .     | .    | .               | 4     | .               | .    | .   | .    |
| 14                  | .    | .               | .    | 19.0 | .     | .    | .               | 3.8   | .               | .    | .   | .    |
| 15                  | .    | .               | .    | .    | .     | .    | .               | 7.9   | .               | .    | .   | .    |
| 16                  | .    | .               | .    | .    | 33.5  | .    | .               | .     | .               | .    | .   | .    |
| 17                  | .    | .               | .    | .    | 2.0   | .    | .               | .     | .               | .    | .   | .    |
| 18                  | .    | .               | .    | 3.0  | 15.5  | .    | 10              | 16.4  | .               | .    | .   | .    |
| 19                  | .    | .               | .    | 26.0 | 6.1   | .    | .               | 16.4  | .               | .    | .   | .    |
| 20                  | .    | .               | .    | .    | 3.0   | .    | .               | 7.5   | .               | .    | .   | .    |
| 21                  | .    | .               | .    | .    | 1.3   | 23.0 | 5.0             | 7.3   | .               | .    | .   | .    |
| 22                  | .    | 17.0            | .    | 12.0 | 1.5   | .    | 11.3            | .     | .               | .    | .   | .    |
| 23                  | .    | .               | .    | .    | .     | 5.2  | 6               | .     | .               | .    | .   | .    |
| 24                  | .    | 3.2             | .    | .    | .     | 13.5 | 1.2             | .     | .               | .    | .   | .    |
| 25                  | .    | 15.1            | .    | 3.0  | 10.4  | 4    | 6               | .     | .               | .    | .   | .    |
| 26                  | .    | 1.4             | 2.5  | 3.4  | 15.2  | .    | .               | .     | .               | .    | .   | .    |
| 27                  | .    | 17.3            | .    | .    | 10.4  | 3.6  | .               | .     | .               | .    | .   | .    |
| 28                  | 12.0 | .               | 9.6  | .    | 4.3   | .    | 3.0             | 1.2   | .               | .    | .   | 5.0  |
| 29                  | 11.0 | .               | 5.5  | .    | 1.5   | .    | .               | .     | .               | .    | .   | 3.5  |
| 30                  | .    | .               | 5    | .    | .     | .    | 6.8             | 4     | .               | .    | .   | .    |
| 31                  | .    | .               | .    | .    | .     | .    | 1.4             | .     | .               | .    | .   | .    |
| TOT                 | 23.0 | 24.0            | 19.4 | 70.7 | 106.7 | 66.1 | 53.4            | 67.9  | 37.1            | 0.0  | 0.3 | 3.5  |
| OBSERVATION= 1      |      |                 |      |      |       |      |                 |       |                 |      |     |      |
| TOTAL ANNUAL= 629.8 |      |                 |      |      |       |      |                 |       |                 |      |     |      |
| CON = 112           | 112  | 112             | 112  | 112  | 112   | 112  | 112             | 112   | 112             | 112  | 112 | 112  |
| N J                 | 7    | 5               | 5    | 9    | 11    | 5    | 12              | 11    | 3               | 0    | 2   | 2    |

[illegible]



|                            |       | LATR. 47GR. 30 SO. |       | LONGH |       | AGRA. 31 SO |       | ALTY   |      | 20 M. |       |                |       |
|----------------------------|-------|--------------------|-------|-------|-------|-------------|-------|--------|------|-------|-------|----------------|-------|
|                            | SEPT. | OCTO.              | NOVE. | DECE. | JANU. | FEBR.       | MARS. | AVRIL. | MAY. | JUIN. | JUIL. | AOÛT.          |       |
| 1                          |       |                    |       | 2.5   |       |             |       | 2      | 4.3  |       |       |                | 1     |
| 2                          |       |                    |       |       |       |             |       |        |      |       |       |                | 2     |
| 3                          |       |                    |       | 7.1   |       |             |       |        |      |       |       |                | 3     |
| 4                          |       |                    |       | 8.6   |       |             |       |        |      |       |       |                | 4     |
| 5                          |       |                    |       | 1.4   |       |             |       |        |      |       |       |                | 5     |
| 6                          |       |                    |       |       |       |             | 24.4  |        |      |       |       |                | 6     |
| 7                          | 3.7   |                    |       |       |       |             | 28.6  | 1.1    |      |       |       |                | 7     |
| 8                          |       |                    |       | 2.4   |       |             |       |        |      |       |       |                | 8     |
| 9                          |       |                    |       |       |       |             | 6.0   |        | 21.2 |       |       | 12.1           | 9     |
| 10                         |       |                    |       |       |       |             |       |        | 16.3 |       |       | 3.6            | 10    |
| 11                         |       |                    |       | 2     |       |             |       |        |      |       |       |                | 11    |
| 12                         |       |                    |       |       |       |             |       |        | 7.9  |       |       |                | 12    |
| 13                         |       |                    |       |       |       |             |       |        |      |       |       |                | 13    |
| 14                         |       |                    |       |       |       |             |       | 1.1    |      |       |       |                | 14    |
| 15                         |       |                    |       | 5.8   | 6.6   | 4.1         |       | 7.1    |      |       |       |                | 15    |
| 16                         |       |                    |       |       | 46.5  |             |       | 2.5    |      |       |       |                | 16    |
| 17                         |       |                    |       |       |       |             |       |        |      |       |       |                | 17    |
| 18                         |       |                    |       |       |       |             | 3     |        |      |       |       |                | 18    |
| 19                         |       |                    |       | 22.9  | 18.4  |             |       | 13.7   |      |       |       |                | 19    |
| 20                         |       |                    |       | 11.2  | 4     |             |       | 34.2   |      |       |       |                | 20    |
| 21                         |       |                    |       |       | 0     | 4.2         | 13.4  | 12.8   |      |       |       |                | 21    |
| 22                         |       |                    |       |       | 2.3   | 35.2        | 10.1  | 4      |      |       |       |                | 22    |
| 23                         |       | 7.8                |       | 3.4   | 5.2   | 4.1         | 2.4   |        |      |       |       |                | 23    |
| 24                         |       |                    |       |       | 9.8   | 4.2         | 3     |        |      |       |       |                | 24    |
| 25                         |       | 2.6                |       | 1.7   | 18.8  | 2.5         | 5     |        |      |       |       |                | 25    |
| 26                         |       |                    | 2.1   | 8.8   | 17.8  | 3.2         | 15.4  | 7      |      |       |       |                | 26    |
| 27                         |       | 7.7                | 1.2   |       | 5.1   | 4.3         |       |        |      |       |       |                | 27    |
| 28                         | 3.9   | 4.2                |       |       | 9.1   |             |       | 1.5    |      |       |       |                | 28    |
| 29                         | 8.1   |                    | 6.7   |       | 3.2   |             |       |        |      |       |       |                | 29    |
| 30                         |       |                    | 3.2   |       |       |             | 3.7   |        |      |       |       |                | 30    |
| 31                         |       |                    |       |       |       |             | 6.6   |        |      |       |       |                | 31    |
| TOT                        | 15.7  | 22.3               | 22.3  | 79.4  | 143.6 | 55.4        | 111.7 | 75.9   | 49.3 | 0.0   | 0.3   | 15.7           |       |
| OBSERVATEUR = OUME ROMANEN |       |                    |       |       |       |             |       |        |      |       |       | TOTAL ANNUEL = | 592.0 |
| 671 + 112                  | 112   | 112                | 112   | 112   | 112   | 112         | 112   | 112    | 112  | 112   | 112   | 112            |       |
| M J                        | 3     | 5                  | 7     | 10    | 12    | 8           | 12    | 11     | 4    | 0     | 3     | 2              | 23    |

[illegible]



| STATION 1172A                   |      | REFUGEE         |      |      |       | ADULT             |      |      |      | TOTAL             |     |              |       |
|---------------------------------|------|-----------------|------|------|-------|-------------------|------|------|------|-------------------|-----|--------------|-------|
|                                 |      | JAN 40 - JAN 50 |      |      |       | JULY 50 - JULY 55 |      |      |      | JULY 55 - JULY 60 |     |              |       |
| SEPT                            | OCT  | NOV             | DEC  | JAN  | FEB   | MAR               | APR  | MAY  | JUN  | JUL               | AUG | SEPT         |       |
| 1                               | .    | .               | 3.9  | .    | .     | .                 | .    | .    | .    | .                 | .   | 1            |       |
| 2                               | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 2            |       |
| 3                               | .    | .               | 6.5  | .    | .     | .                 | .    | .    | .    | .                 | .   | 3            |       |
| 4                               | .    | .               | 3.3  | .    | .     | .                 | .    | .    | .    | .                 | .   | 4            |       |
| 5                               | .    | .               | .    | .    | .     | 12.6              | .    | .    | .    | .                 | .   | 5            |       |
| 6                               | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 6            |       |
| 7                               | .    | .               | .    | .    | .     | 14.2              | 6.4  | .    | .    | .                 | .   | 7            |       |
| 8                               | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 8            |       |
| 9                               | .    | .               | .    | .    | .     | .                 | .    | 7.3  | .    | .                 | .   | 9            |       |
| 10                              | .    | .               | .    | .    | .     | .                 | .    | 16.7 | .    | .                 | .   | 10           |       |
| 11                              | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 11           |       |
| 12                              | .    | .               | .    | .    | .     | 3.4               | .    | .    | 6.6  | .                 | .   | 12           |       |
| 13                              | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 13           |       |
| 14                              | .    | .               | 3.6  | .    | .     | .                 | 6.0  | .    | .    | .                 | .   | 14           |       |
| 15                              | .    | .               | 1.7  | 55.2 | .     | .                 | 0.9  | .    | .    | .                 | .   | 15           |       |
| 16                              | .    | .               | .    | .    | .     | .                 | 11.2 | .    | .    | .                 | .   | 16           |       |
| 17                              | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 17           |       |
| 18                              | .    | .               | .    | 22.6 | .     | .                 | 10.6 | .    | .    | .                 | .   | 18           |       |
| 19                              | .    | .               | .    | 6.5  | .     | .                 | 21.0 | .    | .    | .                 | .   | 19           |       |
| 20                              | .    | 1.4             | .    | 12.0 | .     | 14.3              | 7.7  | .    | .    | .                 | .   | 20           |       |
| 21                              | .    | .               | .    | 4.0  | 3.0   | .                 | 2.5  | .    | .    | .                 | .   | 21           |       |
| 22                              | .    | 1.4             | .    | .    | 15.5  | 10.1              | .    | .    | .    | .                 | .   | 22           |       |
| 23                              | 20.7 | .               | 1.0  | .    | 5.7   | 9.4               | .    | .    | .    | .                 | .   | 23           |       |
| 24                              | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 24           |       |
| 25                              | .    | 10.0            | 7.0  | 7.0  | 6.4   | 6.7               | .    | .    | .    | .                 | .   | 25           |       |
| 26                              | .    | 1.2             | .    | 6.5  | 6.4   | .                 | .    | .    | .    | .                 | .   | 26           |       |
| 27                              | 11.5 | .               | .    | 4.1  | .     | .                 | .    | .    | .    | .                 | .   | 27           |       |
| 28                              | .    | 7.0             | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 28           |       |
| 29                              | .    | 7.0             | .    | 4.5  | .     | .                 | .    | .    | .    | .                 | .   | 29           |       |
| 30                              | .    | 4.7             | .    | .    | .     | 4.4               | .    | .    | .    | .                 | .   | 30           |       |
| 31                              | .    | .               | .    | .    | .     | .                 | .    | .    | .    | .                 | .   | 31           |       |
| TOT                             | 52.4 | 20.3            | 37.4 | 75.7 | 110.0 | 55.4              | 56.1 | 72.7 | 20.7 | 0.0               | 0.3 | 25.0         |       |
| OBSERVATIONS: NO HAD EL REFUGEE |      |                 |      |      |       |                   |      |      |      |                   |     | TOTAL ANNUAL | 453.7 |
| CON                             | 112  | 112             | 112  | 112  | 112   | 112               | 112  | 112  | 112  | 058               | 058 | 053          |       |
| N J                             | 2    | 3               | 2    | 5    | 8     | 5                 | 2    | 2    | 3    | 44                | 44  | 44           |       |

| STATION 32150                 |      | JEREL ESSEMA    |      |                 |       | ANNEE 1951/1952 |       |      |      |                    |      |
|-------------------------------|------|-----------------|------|-----------------|-------|-----------------|-------|------|------|--------------------|------|
|                               |      | LAT= 41GR.34 00 |      | LONG= 7GR.31 59 |       | ALT= 210 M      |       |      |      |                    |      |
| SEPT                          | OCTO | NOVE            | DECE | JANV            | FEVR  | MARS            | AVRIL | MAI  | JUIN | JUIL               | AOUT |
| 1                             |      |                 |      |                 |       |                 |       | 6.0  |      |                    | 1    |
| 2                             |      |                 | 9.4  |                 |       |                 |       |      |      |                    | 2    |
| 3                             |      |                 | 11.5 |                 |       |                 |       |      |      |                    | 3    |
| 4                             |      |                 | 19.5 |                 |       |                 |       |      |      |                    | 4    |
| 5                             |      |                 | 2.2  |                 |       |                 |       |      |      |                    | 5    |
| 6                             |      |                 |      |                 |       | 20.2            |       |      |      |                    | 6    |
| 7                             |      | 7.0             |      |                 |       | 17.4            |       |      |      |                    | 7    |
| 8                             |      |                 |      |                 |       | 1.4             |       |      |      |                    | 8    |
| 9                             |      |                 |      |                 |       | 3.1             |       | 5.4  |      |                    | 9    |
| 10                            |      |                 |      |                 |       |                 |       | 2.7  |      |                    | 10   |
| 11                            |      |                 |      |                 |       |                 |       | 5.7  |      |                    | 11   |
| 12                            |      |                 |      |                 |       |                 |       |      |      |                    | 12   |
| 13                            |      |                 |      |                 |       |                 |       |      |      |                    | 13   |
| 14                            |      |                 |      |                 |       |                 |       |      |      |                    | 14   |
| 15                            |      |                 |      | 72.0            |       |                 | 15.5  |      |      |                    | 15   |
| 16                            |      |                 |      |                 |       |                 |       |      |      |                    | 16   |
| 17                            |      |                 |      |                 |       |                 |       |      |      |                    | 17   |
| 18                            |      |                 |      |                 | 18.2  |                 |       |      |      |                    | 18   |
| 19                            |      |                 | 20.2 | 17.5            |       |                 | 14.5  |      |      |                    | 19   |
| 20                            |      |                 | 21.5 | 8.2             |       | 2.2             | 28.0  |      |      |                    | 20   |
| 21                            |      |                 |      | 2.2             | 5.5   | 34.0            |       |      |      |                    | 21   |
| 22                            |      |                 |      | 4.5             | 53.5  | 2.5             |       |      |      |                    | 22   |
| 23                            | 12.3 |                 | 15.0 | 17.5            |       | 1.4             |       |      |      |                    | 23   |
| 24                            |      |                 | 2.9  |                 |       | 18.3            |       |      |      |                    | 24   |
| 25                            | 2.2  |                 | 2.1  | 7.2             | 11.6  |                 |       |      |      |                    | 25   |
| 26                            |      | 2               | 2.4  | 19.5            |       |                 | 6.3   |      |      |                    | 26   |
| 27                            | 11.2 | 1.5             |      | 12.3            | 9.5   |                 | 5     |      |      |                    | 27   |
| 28                            | 5.5  | 14.1            |      | 22.5            |       |                 | 1     |      |      |                    | 28   |
| 29                            | 5.5  | 2.4             | 10.5 | 10.5            |       |                 |       |      |      |                    | 29   |
| 30                            |      |                 | 5.4  |                 | 5.5   | 7.3             |       |      |      |                    | 30   |
| 31                            |      |                 |      |                 |       | 8.4             |       |      |      |                    | 31   |
| TOT                           | 14.0 | 41.9            | 24.5 | 107.2           | 200.2 | 98.7            | 69.0  | 15.4 | 26.5 | 0.0                | 20.3 |
| OBSERVATEUR: MAGSTUNE MOKHTAR |      |                 |      |                 |       |                 |       |      |      | TOTAL ANNEE: 568.1 |      |



| SEPT | OCTO | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEPT | TOTAL |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1    |      |      |      |      |      |      |      |      |      |      |      |      | 1     |
| 2    |      |      |      |      |      |      |      |      |      |      |      |      | 2     |
| 3    |      |      |      |      |      |      |      |      |      |      |      |      | 3     |
| 4    |      |      |      |      |      |      |      |      |      |      |      |      | 4     |
| 5    |      |      |      |      |      |      |      |      |      |      |      |      | 5     |
| 6    |      |      |      |      |      |      |      |      |      |      |      |      | 6     |
| 7    |      |      |      |      |      |      |      |      |      |      |      |      | 7     |
| 8    |      |      |      |      |      |      |      |      |      |      |      |      | 8     |
| 9    |      |      |      |      |      |      |      |      |      |      |      |      | 9     |
| 10   |      |      |      |      |      |      |      |      |      |      |      |      | 10    |
| 11   |      |      |      |      |      |      |      |      |      |      |      |      | 11    |
| 12   |      |      |      |      |      |      |      |      |      |      |      |      | 12    |
| 13   |      |      |      |      |      |      |      |      |      |      |      |      | 13    |
| 14   |      |      |      |      |      |      |      |      |      |      |      |      | 14    |
| 15   |      |      |      |      |      |      |      |      |      |      |      |      | 15    |
| 16   |      |      |      |      |      |      |      |      |      |      |      |      | 16    |
| 17   |      |      |      |      |      |      |      |      |      |      |      |      | 17    |
| 18   |      |      |      |      |      |      |      |      |      |      |      |      | 18    |
| 19   |      |      |      |      |      |      |      |      |      |      |      |      | 19    |
| 20   |      |      |      |      |      |      |      |      |      |      |      |      | 20    |
| 21   |      |      |      |      |      |      |      |      |      |      |      |      | 21    |
| 22   |      |      |      |      |      |      |      |      |      |      |      |      | 22    |
| 23   |      |      |      |      |      |      |      |      |      |      |      |      | 23    |
| 24   |      |      |      |      |      |      |      |      |      |      |      |      | 24    |
| 25   |      |      |      |      |      |      |      |      |      |      |      |      | 25    |
| 26   |      |      |      |      |      |      |      |      |      |      |      |      | 26    |
| 27   |      |      |      |      |      |      |      |      |      |      |      |      | 27    |
| 28   |      |      |      |      |      |      |      |      |      |      |      |      | 28    |
| 29   |      |      |      |      |      |      |      |      |      |      |      |      | 29    |
| 30   |      |      |      |      |      |      |      |      |      |      |      |      | 30    |
| 31   |      |      |      |      |      |      |      |      |      |      |      |      | 31    |
| TOT  | 15.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 507.9 |

STATION 2222

陈 明 李 明 等

ANHEE 1-21-74

| STATION 32548             |       | BAR FATHS       |       |       |       |       |                   |       |           |       |       | ANNEC 10011 |       |
|---------------------------|-------|-----------------|-------|-------|-------|-------|-------------------|-------|-----------|-------|-------|-------------|-------|
|                           |       | LAT= 40°N 51' E |       |       |       |       | LONG= 76° 16' 25" |       | ALT= 778' |       |       |             |       |
| SECT                      |       | OCTO            | NOV   | DEC   | JANV  | FEB   | MAR               | APR   | MAY       | JUN   | JUL   | AUG         |       |
| 1                         | -     |                 |       |       |       |       |                   |       | 15.5      |       |       |             | 1     |
| 2                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 2     |
| 3                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 3     |
| 4                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 4     |
| 5                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 5     |
| 6                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 6     |
| 7                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 7     |
| 8                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 8     |
| 9                         | -     |                 |       |       |       |       |                   |       |           |       |       |             | 9     |
| 10                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 10    |
| 11                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 11    |
| 12                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 12    |
| 13                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 13    |
| 14                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 14    |
| 15                        | 2.6   |                 |       |       |       |       |                   |       |           |       |       |             | 15    |
| 16                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 16    |
| 17                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 17    |
| 18                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 18    |
| 19                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 19    |
| 20                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 20    |
| 21                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 21    |
| 22                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 22    |
| 23                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 23    |
| 24                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 24    |
| 25                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 25    |
| 26                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 26    |
| 27                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 27    |
| 28                        | 15.1  |                 |       |       |       |       |                   |       |           |       |       |             | 28    |
| 29                        | 2.3   |                 |       |       |       |       |                   |       |           |       |       |             | 29    |
| 30                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 30    |
| 31                        | -     |                 |       |       |       |       |                   |       |           |       |       |             | 31    |
| TOT                       |       | 21.0            | 72.7  | 14    | 54    | 61    | 276.7             | 220.0 | 174.3     | 55.1  | 0.0   | 0.0         | 55.5  |
| ANNEC 10011 = 10011       |       |                 |       |       |       |       |                   |       |           |       |       |             |       |
| TOTAL ANNEC 10011 = 10011 |       |                 |       |       |       |       |                   |       |           |       |       |             |       |
| 10011                     | 10011 | 10011           | 10011 | 10011 | 10011 | 10011 | 10011             | 10011 | 10011     | 10011 | 10011 | 10011       | 10011 |



| STATION 12476              |     | ANNEE 1981/1982 |      |      |      |       |       |       | ANNEE 1982/1983 |      |      |      |      |
|----------------------------|-----|-----------------|------|------|------|-------|-------|-------|-----------------|------|------|------|------|
|                            |     | LAT= 46N.14 10  |      |      |      |       |       |       | LAT= 46N.14 10  |      |      |      |      |
|                            |     | LONG= 7GR.25 20 |      |      |      |       |       |       | LONG= 7GR.25 20 |      |      |      |      |
|                            |     | ALT= 50 M       |      |      |      |       |       |       | ALT= 50 M       |      |      |      |      |
|                            |     | SEPT            | OCTO | NOVE | DECE | JANV  | FEBV  | MARS  | AVRIL           | MAL  | JUIN | JUIL | AOUT |
| 1                          | 2   |                 |      |      | 71.3 |       |       |       | 5.0             |      |      |      | 7    |
| 2                          | 3   |                 |      |      | 4.5  |       |       |       |                 |      |      |      | 2    |
| 3                          | 4   |                 |      |      | 13.5 |       |       |       | 5.0             |      |      |      | 3    |
| 4                          | 5   |                 |      |      | 73.9 |       |       |       |                 |      |      |      | 4    |
| 5                          | 6   |                 |      |      | 72.5 |       |       |       |                 |      |      |      | 5    |
| 6                          | 7   |                 |      |      | 14.5 |       | 35.7  | 43.3  |                 |      |      |      | 6    |
| 7                          | 8   |                 |      |      |      |       |       | 55.0  | 6.0             |      |      |      | 7    |
| 8                          | 9   |                 |      |      |      |       |       | 5.0   |                 |      |      |      | 8    |
| 9                          | 10  |                 |      |      |      |       |       | 3.3   |                 |      |      |      | 9    |
| 10                         | 11  |                 |      |      |      |       |       |       |                 |      |      |      | 10   |
| 11                         | 12  |                 |      |      |      |       |       |       |                 |      |      |      | 11   |
| 12                         | 13  |                 |      |      |      |       |       |       |                 |      |      |      | 12   |
| 13                         | 14  |                 |      | 10.7 |      |       |       |       |                 |      |      |      | 13   |
| 14                         | 15  |                 |      |      |      |       | 25.7  |       | 5.0             |      |      |      | 14   |
| 15                         | 16  |                 |      |      |      |       |       |       |                 |      |      |      | 15   |
| 16                         | 17  |                 |      |      |      | 16.5  |       |       | 71.0            |      |      |      | 16   |
| 17                         | 18  |                 |      |      |      |       | 75.0  |       |                 |      |      |      | 17   |
| 18                         | 19  |                 |      |      |      |       | 29.0  |       |                 |      |      |      | 18   |
| 19                         | 20  |                 |      |      |      | 25.0  | 45.0  | 4.0   |                 |      |      |      | 19   |
| 20                         | 21  |                 |      |      |      | 4.0   |       |       |                 |      |      |      | 20   |
| 21                         | 22  |                 |      |      |      |       | 34.0  | 17.5  |                 |      |      |      | 21   |
| 22                         | 23  |                 |      |      |      | 8.0   | 41.0  | 24.3  |                 |      |      |      | 22   |
| 23                         | 24  |                 | 10.0 |      |      | 40.0  | 15.0  | 3.0   |                 |      |      |      | 23   |
| 24                         | 25  |                 |      |      |      | 20.0  | 40.0  |       |                 |      |      |      | 24   |
| 25                         | 26  |                 | 2.0  |      |      | 17.0  | 45.0  | 4.0   |                 |      |      |      | 25   |
| 26                         | 27  |                 | 2.0  |      |      | 11.0  |       |       |                 |      |      |      | 26   |
| 27                         | 28  |                 | 46.0 |      |      | 14.0  | 24.0  |       |                 |      |      |      | 27   |
| 28                         | 29  |                 |      |      |      | 15.0  |       |       |                 |      |      |      | 28   |
| 29                         | 30  |                 |      | 34.0 |      | 30.0  |       |       |                 |      |      |      | 29   |
| 30                         | 31  |                 |      | 11.0 |      | 9.5   |       | 7.0   |                 |      |      |      | 30   |
| 31                         |     |                 |      |      |      | 23.0  |       | 0.0   |                 |      |      |      | 31   |
| TOT                        |     | 33.0            | 64.0 | 70.0 | 45   | 230.0 | 197.7 | 147.3 | 47              | 40.0 | 0.0  | 0.3  | 25.0 |
| OBSERVATION= PALTE POCHTAP |     |                 |      |      |      |       |       |       |                 |      |      |      |      |
| TOTAL ANNEE= 444444        |     |                 |      |      |      |       |       |       |                 |      |      |      |      |
| COM = 155                  | 112 | 112             | 112  | 112  | 112  | 112   | 112   | 157   | 155             | 112  | 112  | 158  |      |
| K J                        | 74  | 4               | 5    | 45   | 13   | 1     | 17    | 44    | 44              | 0    | 3    | 44   | 44   |

| STATION 32756       |     | FAETISSA SM    |      |      |      |      |       |      | ANNEE 1981/1982 |      |           |     |      |    |
|---------------------|-----|----------------|------|------|------|------|-------|------|-----------------|------|-----------|-----|------|----|
|                     |     | LAT= 46N.11 10 |      |      |      |      | LONG= |      | EGR.14 10       |      | ALT= 50 M |     |      |    |
|                     |     | SEPT           | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRIL           | MAI  | JUIN      | JUL | AOUT |    |
| 1                   | 2   |                |      |      |      |      |       |      | 4.3             |      |           |     |      | 1  |
| 2                   | 3   |                |      |      |      |      |       |      |                 |      |           |     |      | 2  |
| 3                   | 4   |                |      |      |      |      |       |      |                 |      |           |     |      | 3  |
| 4                   | 5   |                |      |      |      |      |       |      |                 |      |           |     |      | 4  |
| 5                   | 6   |                |      |      |      |      |       | 7.5  |                 |      |           |     |      | 5  |
| 6                   | 7   |                |      |      |      |      |       | 10.5 | 4.1             |      |           |     |      | 6  |
| 7                   | 8   |                |      |      |      |      |       | 14.1 |                 |      |           |     |      | 7  |
| 8                   | 9   |                |      |      |      |      |       |      |                 | 10.5 |           |     |      | 8  |
| 9                   | 10  |                |      |      |      |      |       |      |                 | 20.6 |           |     |      | 9  |
| 10                  | 11  |                |      |      |      |      |       |      |                 |      |           |     |      | 10 |
| 11                  | 12  |                |      |      |      |      |       |      |                 |      |           |     |      | 11 |
| 12                  | 13  |                |      |      |      |      |       |      |                 | 6.5  |           |     |      | 12 |
| 13                  | 14  |                |      |      |      |      |       |      | 3.0             |      |           |     |      | 13 |
| 14                  | 15  |                |      |      |      |      |       |      | 1.0             |      |           |     |      | 14 |
| 15                  | 16  |                |      |      |      |      |       |      | 14.8            |      |           |     |      | 15 |
| 16                  | 17  |                |      |      |      |      |       |      |                 |      |           |     |      | 16 |
| 17                  | 18  |                |      |      |      |      |       |      |                 |      |           |     |      | 17 |
| 18                  | 19  |                |      |      |      |      |       | 1.0  |                 |      |           |     |      | 18 |
| 19                  | 20  |                |      |      |      |      |       | 3.5  | 33.2            |      |           |     |      | 19 |
| 20                  | 21  |                |      |      |      |      |       |      | 11.3            |      |           |     |      | 20 |
| 21                  | 22  |                |      |      |      |      |       | 14.5 |                 |      |           |     |      | 21 |
| 22                  | 23  |                |      |      |      |      |       | 1.0  |                 |      |           |     |      | 22 |
| 23                  | 24  |                |      |      |      |      |       | 2.0  |                 |      |           |     |      | 23 |
| 24                  | 25  |                |      |      |      |      |       |      |                 |      |           |     |      | 24 |
| 25                  | 26  |                |      |      |      |      |       | 1.5  |                 |      |           |     |      | 25 |
| 26                  | 27  |                |      |      |      |      |       |      |                 |      |           |     |      | 26 |
| 27                  | 28  |                |      |      |      |      |       |      |                 |      |           |     |      | 27 |
| 28                  | 29  |                |      |      |      |      |       |      | 2.0             |      |           |     |      | 28 |
| 29                  | 30  |                |      |      |      |      |       |      |                 |      |           |     |      | 29 |
| 30                  | 31  |                |      |      |      |      |       | 5.2  |                 |      |           |     |      | 30 |
| 31                  |     |                |      |      |      |      |       | 5.0  |                 |      |           |     |      | 31 |
| TOT                 |     |                |      |      |      |      |       | 21.8 | 25.7            | 37.9 | 0.0       | 0.0 |      |    |
| OBSERVATION= NETED  |     |                |      |      |      |      |       |      |                 |      |           |     |      |    |
| TOTAL ANNEE= 444444 |     |                |      |      |      |      |       |      |                 |      |           |     |      |    |
| COM = 000           | 000 | 000            | 000  | 000  | 000  | 000  | 212   | 212  | 212             | 212  | 212       | 393 |      |    |



| LAT= 49.08, 17 CO LONG= 86.15 00 ALT= 55 M |      |      |      |       |       |      |      |      |      |      |      |               |       |
|--|------|------|------|-------|-------|------|------|------|------|------|------|---------------|-------|
|  | SEPT | OCTO | NOVE | DECE  | JANU  | FEBU | MARS | APRI | MAY  | JUNE | JULY | AUGU          |       |
| 1  | -    | -    | -    | 7.0   | -     | -    | -    | 6.5  | 3.5  | -    | -    | -             |       |
| 2  | -    | -    | -    | 6.0   | -     | -    | -    | -    | -    | -    | -    | 2             |       |
| 3  | -    | 7.0  | -    | 3.0   | -     | -    | -    | -    | -    | -    | -    | 3             |       |
| 4  | -    | -    | -    | 21.0  | -     | -    | -    | -    | -    | -    | -    | 4             |       |
| 5  | -    | -    | -    | 9.0   | -     | 5.0  | 4.0  | -    | -    | -    | -    | 5             |       |
| 6  | -    | -    | -    | -     | -     | -    | 26.0 | 5.0  | -    | -    | -    | 6             |       |
| 7  | -    | -    | 3.0  | -     | -     | -    | 2.0  | -    | -    | -    | -    | 7             |       |
| 8  | -    | -    | -    | -     | -     | -    | 2.0  | -    | 1.5  | -    | -    | 8             |       |
| 9  | -    | -    | -    | 2.0   | -     | -    | -    | -    | 20.0 | -    | -    | 9             |       |
| 10   | -    | -    | -    | 1.0   | -     | -    | -    | -    | -    | -    | -    | 10            |       |
| 11   | -    | -    | -    | -     | -     | -    | -    | -    | 10.5 | -    | -    | 11            |       |
| 12   | -    | -    | -    | -     | -     | -    | -    | -    | -    | -    | -    | 12            |       |
| 13   | -    | -    | -    | -     | -     | -    | -    | -    | -    | -    | -    | 13            |       |
| 14   | -    | -    | -    | 17.0  | -     | -    | -    | 6.5  | -    | -    | -    | 14            |       |
| 15   | -    | -    | 2.0  | -     | 37.5  | -    | -    | 2.5  | -    | -    | -    | 15            |       |
| 16   | -    | -    | -    | -     | -     | -    | -    | -    | -    | -    | -    | 16            |       |
| 17   | -    | -    | -    | -     | -     | 2.0  | -    | -    | -    | -    | -    | 17            |       |
| 18   | -    | -    | -    | 6.5   | 17.0  | -    | 1.5  | 17.0 | -    | -    | -    | 18            |       |
| 19   | -    | -    | -    | 40.0  | 4.0   | -    | -    | 21.5 | 5.5  | -    | -    | 19            |       |
| 20   | -    | -    | -    | -     | 5.5   | 6.5  | 6.5  | 7.5  | -    | -    | -    | 20            |       |
| 21   | -    | -    | -    | -     | -     | 20.5 | 15.0 | 2.5  | -    | -    | -    | 21            |       |
| 22   | -    | 10.0 | -    | 11.5  | 3.0   | 4.0  | 1.5  | -    | -    | -    | -    | 22            |       |
| 23   | -    | -    | -    | -     | 5.5   | 7.0  | -    | -    | -    | -    | -    | 23            |       |
| 24   | -    | 5.0  | -    | -     | 10.5  | 7.5  | -    | -    | -    | -    | -    | 24            |       |
| 25   | -    | -    | 5.0  | 2.5   | -     | 4.5  | -    | 1.0  | -    | -    | -    | 25            |       |
| 26   | 9.0  | 6.0  | 3.1  | 3.7   | 10.0  | -    | -    | -    | -    | -    | -    | 26            |       |
| 27   | -    | 5.1  | 7.1  | -     | 12.5  | -    | -    | -    | -    | -    | -    | 27            |       |
| 28   | -    | -    | 9.0  | -     | 6.0   | -    | -    | 1.5  | -    | -    | -    | 28            |       |
| 29   | 14.5 | -    | 5.0  | -     | 1.5   | -    | 3.0  | -    | -    | -    | -    | 29            |       |
| 30   | -    | -    | -    | -     | -     | -    | 6.0  | -    | -    | -    | -    | 30            |       |
| 31   | -    | -    | -    | -     | -     | -    | 1.0  | -    | -    | -    | -    | 31            |       |
| TOT  | 23.5 | 33.0 | 37.5 | 127.7 | 113.5 | 55.5 | 68.0 | 56.3 | 47.0 | 3.0  | 0.0  | 0.0           |       |
| OBSERVE*EUR*METEC                          |      |      |      |       |       |      |      |      |      |      |      | TOTAL ANNUAL* | 571.5 |
| CON = 212                                  | 212  | 212  | 212  | 212   | 212   | 212  | 212  | 212  | 212  | 212  | 053  | 355           |       |
| M J  | 2    | 5    | 5    | 12    | 12    | 5    | 15   | 9    | 5    | 0    | 25   | 55            |       |



| STATION 1307B           |      | GUTCHMAN 1311 MAPK |      |      |       |       |      |           |      | ATWEE 1081/1191 |      |     |              |
|-------------------------|------|--------------------|------|------|-------|-------|------|-----------|------|-----------------|------|-----|--------------|
|                         |      | DATA 4058.96 CD    |      |      |       | EDWIN |      | 760.75 CD |      | ALT= 330' M     |      |     |              |
|                         | SEPT | OCTO               | NOV  | DECE | JANV  | FEBR  | MARS | AVRT      | APR  | MAY             | JUNE | JUL | AUG          |
| 1                       | .    | .                  | .    | .    | .     | .     | .    | 4.0       | .    | .               | .    | .   | 1            |
| 2                       | .    | .                  | .    | .    | .     | .     | .    | 2.0       | .    | .               | .    | .   | 2            |
| 3                       | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 3            |
| 4                       | .    | .                  | .    | .    | .     | .     | .    | 2.0       | .    | .               | .    | .   | 4            |
| 5                       | .    | .                  | .    | .    | .     | 3.0   | 15.5 | .         | .    | .               | .    | .   | 5            |
| 6                       | .    | .                  | .    | .    | .     | .     | 35.5 | 3.0       | .    | .               | .    | .   | 6            |
| 7                       | .    | .                  | .    | .    | .     | .     | 5.5  | .         | 13.5 | .               | .    | .   | 7            |
| 8                       | .    | .                  | .    | .    | .     | .     | .    | .         | 16.0 | .               | .    | .   | 8            |
| 9                       | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 9            |
| 10                      | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 10           |
| 11                      | .    | .                  | .    | .    | .     | .     | .    | .         | 5.0  | .               | .    | .   | 11           |
| 12                      | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 12           |
| 13                      | .    | .                  | 1.0  | .    | .     | .     | .    | 8.0       | .    | .               | .    | .   | 13           |
| 14                      | .    | .                  | .    | .    | .     | .     | .    | 12.0      | .    | .               | .    | .   | 14           |
| 15                      | .    | .                  | 5.0  | .    | 20.0  | .     | .    | 3.5       | .    | .               | .    | .   | 15           |
| 16                      | .    | .                  | .    | .    | .     | 21.0  | .    | .         | .    | .               | .    | .   | 16           |
| 17                      | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 17           |
| 18                      | .    | .                  | .    | .    | 37.0  | .     | .    | 13.0      | .    | .               | .    | .   | 18           |
| 19                      | .    | .                  | .    | .    | 5.5   | 1.0   | 2.0  | 25.0      | 5.5  | .               | .    | .   | 19           |
| 20                      | .    | 2.5                | .    | .    | 2.5   | 5.0   | 4.0  | 18.0      | .    | .               | .    | .   | 20           |
| 21                      | .    | .                  | .    | .    | 6.5   | 20.0  | 12.0 | 5.0       | .    | .               | .    | .   | 21           |
| 22                      | .    | 3.0                | .    | .    | 2.5   | 2.0   | .    | .         | .    | .               | .    | .   | 22           |
| 23                      | .    | 1.0                | .    | .    | .     | 3.0   | 4.0  | .         | .    | .               | .    | .   | 23           |
| 24                      | .    | 15.0               | .    | .    | 6.0   | 8.0   | .    | .         | .    | .               | .    | .   | 24           |
| 25                      | 5.0  | .                  | 15.0 | .    | .     | 3.0   | .    | .         | .    | .               | .    | .   | 25           |
| 26                      | .    | 2.5                | 1.0  | .    | 3.0   | 10.0  | .    | .         | .    | .               | .    | .   | 26           |
| 27                      | 2.0  | .                  | .    | .    | 5.0   | .     | .    | .         | .    | .               | .    | .   | 27           |
| 28                      | .    | .                  | .    | .    | 4.0   | .     | 2.0  | 2.0       | .    | .               | .    | 5.5 | 28           |
| 29                      | .    | .                  | 10.0 | .    | 1.0   | .     | .    | .         | .    | .               | .    | .   | 29           |
| 30                      | .    | .                  | 15.0 | .    | .     | .     | .    | .         | .    | .               | .    | .   | 30           |
| 31                      | .    | .                  | .    | .    | .     | .     | .    | .         | .    | .               | .    | .   | 31           |
| TOT                     | 12.0 | 36.0               | 51.0 | 87.5 | 104.0 | 77.0  | 20.0 | 75.5      | 55.0 | 0.0             | 0.0  | 0.0 | 12.0         |
| DECREASING SIZE LARGEST |      |                    |      |      |       |       |      |           |      |                 |      |     | TOTAL THINLY |
| CON + 312               | 112  | 112                | 112  | 112  | 112   | 112   | 112  | 112       | 112  | 112             | 112  | 112 | 112          |
| N 4                     | 2    | 5                  | 0    | 15   | 11    | 10    | 5    | 12        | 4    | 0               | 0    | 2   | 23           |

| STATION 33059                 |      | HAMMAN BOUGDIEFA SN |      |      |       |       |            |     | ANNEE 1981/1982 |       |      |  |
|-------------------------------|------|---------------------|------|------|-------|-------|------------|-----|-----------------|-------|------|--|
|                               |      | LATA 40GR.85 43     |      |      | L066= |       | 6GR. F3 60 |     | ALT= 133 M      |       |      |  |
| SEPT                          | OCTO | NOVE                | DECE | JANV | FEVR  | MARS  | AVRIL      | MAI | JUIN            | JUILL | AOUT |  |
| 1                             | .    | .                   | .    | .    | .     | .     | 5.5        | .   | .               | .     | .    |  |
| 2                             | .    | .                   | .    | .    | .     | .     | 15.1       | .   | .               | .     | .    |  |
| 3                             | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 4                             | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 5                             | .    | .                   | .    | .    | 7     | 13.5  | .          | .   | .               | .     | .    |  |
| 6                             | .    | .                   | .    | .    | .     | 31.2  | .          | .   | .               | .     | .    |  |
| 7                             | .    | .                   | .    | .    | .     | 1.2   | .          | .   | .               | .     | .    |  |
| 8                             | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 9                             | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | 12.3 |  |
| 10                            | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | 16.5 |  |
| 11                            | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 12                            | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 13                            | .    | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 14                            | .    | .                   | .    | .    | 3.2   | .     | 3.2        | .   | .               | .     | .    |  |
| 15                            | .    | .                   | .    | .    | 4     | .     | 10.5       | .   | .               | .     | .    |  |
| 16                            | .    | .                   | .    | .    | .     | .     | 4          | .   | .               | .     | .    |  |
| 17                            | .    | .                   | .    | .    | 42.5  | .     | .          | .   | .               | .     | .    |  |
| 18                            | .    | .                   | .    | .    | 16.5  | 5.2   | .          | .   | .               | .     | .    |  |
| 19                            | .    | .                   | .    | .    | 7.5   | .     | 10.6       | .   | .               | .     | .    |  |
| 20                            | .    | 2.1                 | .    | .    | 18.8  | .     | 25.6       | .   | .               | .     | .    |  |
| 21                            | .    | .                   | .    | .    | 25.4  | 29.5  | 15.6       | .   | .               | .     | .    |  |
| 22                            | .    | .                   | .    | .    | 1.1   | 25.2  | 7.5        | .   | .               | .     | .    |  |
| 23                            | .    | 2.5                 | .    | .    | 9.8   | 4.5   | .          | .   | .               | .     | .    |  |
| 24                            | .    | 12.2                | .    | .    | 11.6  | 8     | .          | .   | .               | .     | .    |  |
| 25                            | .    | 11.5                | .    | .    | 2     | .     | .          | .   | .               | .     | .    |  |
| 26                            | 1.5  | 2.3                 | 2.5  | .    | 16.4  | .     | 6.8        | .   | .               | .     | .    |  |
| 27                            | .    | 10.2                | 3.6  | .    | 1     | .     | .          | .   | .               | .     | .    |  |
| 28                            | 7.8  | 2.6                 | .    | .    | .     | .     | 34.2       | .   | .               | .     | .    |  |
| 29                            | 4.9  | .                   | .    | .    | .     | .     | .          | .   | .               | .     | .    |  |
| 30                            | .    | .                   | 25.3 | .    | .     | 2.7   | 10.0       | .   | .               | .     | .    |  |
| 31                            | .    | .                   | 4.5  | .    | .     | 1.0   | 1.5        | .   | .               | .     | 3.2  |  |
|                               |      |                     |      |      |       | 2.5   |            |     |                 |       |      |  |
| TOT                           | 9.4  | 40.7                | 40.5 |      | 755.9 | 139.3 | 145.5      |     |                 |       | 31.7 |  |
| OBSERVATEUR YOUSSEF BOUGDIEFA |      |                     |      |      |       |       |            |     |                 |       |      |  |
| TOTAL ANNEE 646.4             |      |                     |      |      |       |       |            |     |                 |       |      |  |



|                           |      | LATE 41GR.DD 80 |      |      |      | LONG= 8GR.23 80 |      | ALT= 70 M |      |      |      |                     |
|---------------------------|------|-----------------|------|------|------|-----------------|------|-----------|------|------|------|---------------------|
|                           | SEPT | OCTO            | NOVE | DECE | JANV | FEBV            | MARS | AVRIL     | MAI  | JUIN | JULI | AOUT                |
| 1                         | .    | .               | .    | .    | .    | .               | .    | .         | .    | .    | .    | 1                   |
| 2                         | .    | .               | .    | 4.6  | .    | .               | .    | .         | .    | .    | .    | 2                   |
| 3                         | .    | .               | .    | 5.8  | .    | .               | .    | .         | .    | .    | .    | 3                   |
| 4                         | 19.6 | .               | .    | 5.1  | .    | .               | .    | .         | .    | .    | .    | 4                   |
| 5                         | .    | .               | .    | .    | .    | .               | 10.0 | .         | .    | .    | .    | 5                   |
| 6                         | .    | .               | .    | .    | .    | .               | 20.8 | 4.8       | .    | .    | .    | 6                   |
| 7                         | .    | .               | .    | .    | .    | .               | 2.2  | .         | 8.0  | .    | .    | 7                   |
| 8                         | .    | .               | .    | .    | .    | .               | .    | .         | 18.0 | .    | 20.0 | 8                   |
| 9                         | .    | .               | .    | .    | .    | .               | .    | .         | 1.5  | .    | .    | 9                   |
| 10                        | .    | .               | .    | .    | .    | .               | .    | .         | .    | .    | .    | 10                  |
| 11                        | .    | .               | .    | .    | .    | .               | .    | .         | 5.4  | .    | .    | 11                  |
| 12                        | .    | .               | .    | .    | .    | .               | .    | .         | .    | .    | .    | 12                  |
| 13                        | .    | .               | .    | .    | .    | 4.1             | .    | 1.5       | .    | .    | .    | 13                  |
| 14                        | .    | .               | 2.8  | 12.0 | .    | .               | .    | 10.0      | .    | .    | .    | 14                  |
| 15                        | .    | .               | 1.5  | .    | 38.0 | .               | .    | 5.7       | .    | .    | .    | 15                  |
| 16                        | .    | .               | .    | .    | .    | .               | .    | .         | .    | .    | .    | 16                  |
| 17                        | .    | .               | .    | .    | 2.3  | .               | .    | .         | .    | .    | .    | 17                  |
| 18                        | .    | .               | .    | 24.2 | .    | .               | .    | 11.0      | .    | .    | .    | 18                  |
| 19                        | .    | .               | .    | 11.1 | 5.9  | .               | .    | 21.0      | .    | .    | .    | 19                  |
| 20                        | .    | 3.1             | .    | .    | 3.2  | .               | 3.6  | 2.8       | .    | .    | .    | 20                  |
| 21                        | .    | .               | .    | .    | .    | 13.1            | 11.8 | 7.6       | .    | .    | .    | 21                  |
| 22                        | .    | 9.5             | .    | 7.0  | 1.1  | .               | .    | .         | .    | .    | .    | 22                  |
| 23                        | .    | .               | .    | .    | 1.7  | 6.2             | .    | .         | .    | .    | .    | 23                  |
| 24                        | 28.8 | 8.0             | .    | 3    | 10.3 | 4.1             | .    | .         | .    | .    | .    | 24                  |
| 25                        | .    | 2.5             | 6.6  | 6    | .    | 2.0             | .    | .         | .    | .    | .    | 25                  |
| 26                        | .    | .               | 2.5  | 5.7  | 4.6  | 5.0             | .    | .         | .    | .    | .    | 26                  |
| 27                        | 7.7  | .               | .    | .    | 6.5  | .               | .    | .         | .    | .    | .    | 27                  |
| 28                        | .    | .               | 5.6  | .    | 3.2  | .               | .    | .         | .    | .    | .    | 28                  |
| 29                        | 2.0  | .               | 6.0  | .    | 2.2  | .               | 1.6  | .         | .    | .    | 5.7  | 29                  |
| 30                        | .    | .               | 1.8  | .    | .    | .               | 5.8  | .         | .    | .    | .    | 30                  |
| 31                        | .    | .               | .    | .    | .    | .               | .    | .         | .    | .    | .    | 31                  |
| TOT                       | 58.1 | 23.1            | 25.3 | 48.2 | 99.2 | 77.4            | 55.8 | 64.4      | 34.0 | 3.0  | 0.3  | 27.1                |
| OBSERVATEUR= ATOUNI TABIB |      |                 |      |      |      |                 |      |           |      |      |      | TOTAL ANNUEL= 572.8 |
| CON = 114                 | 112  | 112             | 112  | 112  | 112  | 112             | 112  | 112       | 112  | 112  | 112  | 112                 |
| N J                       | 4    | 6               | 2    | 9    | 12   | 6               | 7    | 8         | 4    | 0    | 3    | 2                   |

STATION 33602

KEDIAT

ANNEE 1981/1982

|                           |      | LATE 41GR.09 80 |      |      |       | LONG= 8GR.17 45 |      | ALT= 220 M |      |      |      |                     |
|---------------------------|------|-----------------|------|------|-------|-----------------|------|------------|------|------|------|---------------------|
|                           | SEPT | OCTO            | NOVE | DECE | JANV  | FEBV            | MARS | AVRIL      | MAI  | JUIN | JULI | AOUT                |
| 1                         | .    | .               | .    | .    | .     | .               | .    | .          | .    | .    | .    | 1                   |
| 2                         | .    | .               | .    | 3.7  | .     | .               | .    | .          | .    | .    | .    | 2                   |
| 3                         | .    | .               | .    | .    | .     | .               | .    | .          | .    | .    | .    | 3                   |
| 4                         | .    | .               | .    | 5.5  | .     | .               | .    | 3.5        | .    | .    | .    | 4                   |
| 5                         | .    | .               | .    | 1.7  | .     | .               | .    | .          | .    | .    | .    | 5                   |
| 6                         | .    | .               | .    | .    | .     | .               | 16.0 | .          | .    | .    | .    | 6                   |
| 7                         | .    | .               | .    | .    | .     | .               | 16.0 | .          | .    | .    | .    | 7                   |
| 8                         | .    | .               | .    | .    | .     | .               | .    | .          | 15.0 | .    | .    | 8                   |
| 9                         | .    | .               | .    | .    | .     | .               | .    | .          | 17.0 | .    | .    | 9                   |
| 10                        | .    | .               | .    | 10.7 | .     | .               | .    | .          | .    | .    | .    | 10                  |
| 11                        | .    | .               | 4.5  | .    | .     | .               | .    | .          | 2.3  | .    | .    | 11                  |
| 12                        | .    | .               | .    | .    | .     | .               | .    | .          | .    | .    | .    | 12                  |
| 13                        | .    | .               | .    | .    | .     | .               | .    | 10.1       | .    | .    | .    | 13                  |
| 14                        | .    | .               | .    | .    | .     | .               | .    | .          | .    | .    | .    | 14                  |
| 15                        | .    | .               | .    | .    | .     | .               | .    | 3.0        | .    | .    | .    | 15                  |
| 16                        | .    | .               | .    | .    | 32.5  | .               | .    | .          | .    | .    | .    | 16                  |
| 17                        | .    | .               | .    | .    | 18.5  | .               | .    | .          | .    | .    | .    | 17                  |
| 18                        | .    | .               | .    | .    | .     | .               | .    | 15.5       | .    | .    | .    | 18                  |
| 19                        | .    | .               | .    | .    | .     | .               | .    | 10.0       | .    | .    | .    | 19                  |
| 20                        | .    | .               | .    | 23.0 | 7.0   | .               | .    | 5.5        | .    | .    | .    | 20                  |
| 21                        | .    | .               | .    | .    | 1.5   | .               | 5.5  | 2.0        | .    | .    | .    | 21                  |
| 22                        | .    | .               | .    | .    | 2.0   | 20.7            | 10.0 | .          | .    | .    | .    | 22                  |
| 23                        | .    | 16.5            | .    | 12.5 | .     | .               | 2.0  | .          | .    | .    | .    | 23                  |
| 24                        | .    | .               | .    | .    | 5.6   | 9.6             | .    | .          | .    | .    | .    | 24                  |
| 25                        | .    | .               | .    | .    | 8.0   | 7.6             | .    | .          | .    | .    | .    | 25                  |
| 26                        | .    | 5.2             | 3.5  | .    | 10.0  | .               | .    | .          | .    | .    | .    | 26                  |
| 27                        | .    | 1.8             | 1.5  | 3.0  | 5.3   | 4.0             | .    | .          | .    | .    | .    | 27                  |
| 28                        | 10.0 | .               | 8.8  | .    | 3.7   | .               | .    | .          | .    | .    | .    | 28                  |
| 29                        | 8.0  | .               | 7.1  | .    | .     | .               | .    | .          | .    | .    | .    | 29                  |
| 30                        | .    | .               | 1.0  | .    | 1.4   | .               | 3.0  | .          | .    | .    | .    | 30                  |
| 31                        | .    | .               | .    | .    | .     | .               | 4.0  | .          | .    | .    | .    | 31                  |
| TOT                       | 18.0 | 21.5            | 13.7 | 60.1 | 101.5 | 41.1            | 76.0 | 56.4       | 38.1 | 2.0  | 0.1  | 5.0                 |
| OBSERVATEUR= ZEHANI FERIE |      |                 |      |      |       |                 |      |            |      |      |      | TOTAL ANNUEL= 637.6 |
| CON = 112                 | 112  | 112             | 112  | 112  | 112   | 112             | 112  | 112        | 112  | 112  | 112  | 112                 |
| N J                       | 2    | 4               | 4    | 7    | 14    | 4               | 4    | 4          | 4    | 4    | 4    | 4                   |



STATION 33674

KRAZIA

ANNEE 1961/1962

| 1 <sup>re</sup> INTER. 96 60 |      |      |      | LONG. 706.10 60 |       |       |       | ALT. 50 m. |      |      |      |
|------------------------------|------|------|------|-----------------|-------|-------|-------|------------|------|------|------|
| SEPT                         | OCTO | NOV  | DECE | JANV            | FEBV  | MARS  | AVRIL | MAI        | JUIN | JUIL | AOUT |
| 1                            |      |      | 1.7  |                 |       |       |       |            |      |      | 1    |
| 2                            |      |      | 1.7  |                 |       |       |       |            |      |      | 2    |
| 3                            |      |      | 1.7  |                 |       |       |       |            |      |      | 3    |
| 4                            |      |      | 2.5  |                 |       |       |       |            |      |      | 4    |
| 5                            |      |      | 2.7  |                 |       | 35.2  |       | 5.0        |      |      | 5    |
| 6                            |      |      |      |                 |       | 25.3  |       |            |      |      | 6    |
| 7                            |      |      |      |                 |       | 5.0   |       |            |      |      | 7    |
| 8                            |      |      |      |                 |       |       |       |            |      |      | 8    |
| 9                            |      |      |      |                 |       |       |       |            |      |      | 9    |
| 10                           |      |      |      |                 |       |       |       | 5.0        |      |      | 10   |
| 11                           |      |      |      |                 |       |       |       |            |      |      | 11   |
| 12                           |      |      |      |                 |       |       |       | 5.0        |      |      | 12   |
| 13                           |      |      |      |                 |       |       |       | 1.5        |      |      | 13   |
| 14                           |      |      |      |                 |       |       |       |            |      |      | 14   |
| 15                           |      |      |      |                 |       |       |       |            |      |      | 15   |
| 16                           |      |      |      |                 |       | 22.0  |       |            |      |      | 16   |
| 17                           |      |      |      |                 |       | 6.0   |       |            |      |      | 17   |
| 18                           |      |      |      |                 |       | 26.0  |       |            |      |      | 18   |
| 19                           |      |      |      |                 |       | 11.0  |       |            |      |      | 19   |
| 20                           |      |      |      | 2.0             | 20.0  | 16.3  | 22.0  |            |      |      | 20   |
| 21                           |      |      |      | 12.0            | 26.0  |       | 17.0  |            |      |      | 21   |
| 22                           |      |      |      | 35.0            |       | 30.3  |       |            |      |      | 22   |
| 23                           |      |      |      | 18.0            | 8.0   | 12.0  | 10.0  |            |      |      | 23   |
| 24                           |      |      |      |                 |       | 18.0  |       |            |      |      | 24   |
| 25                           |      |      |      | 12.0            | 10.0  |       | 5.0   |            |      |      | 25   |
| 26                           | 0.0  |      |      |                 | 25.0  |       | 11.0  |            |      |      | 26   |
| 27                           | 0.0  |      |      | 26.0            |       | 5.0   | 17.0  |            |      |      | 27   |
| 28                           |      |      |      | 12.0            |       |       |       |            |      |      | 28   |
| 29                           |      |      |      | 16.0            |       |       |       |            |      |      | 29   |
| 30                           |      |      |      |                 |       | 5.0   |       |            |      |      | 30   |
| 31                           |      |      |      |                 |       |       |       |            |      |      | 31   |
| TOT                          | 12.0 | 30.0 | 47.0 | 55.0            | 151.0 | 160.0 | 101.0 | 20.0       | 17.5 | 0.0  | 0.0  |
| OBSERVATIONS PAR ANNEE       |      |      |      |                 |       |       |       |            |      |      |      |
| TOTAL ANNEE = 750.0          |      |      |      |                 |       |       |       |            |      |      |      |
| COM 4 100                    | 070  | 110  | 110  | 112             | 112   | 112   | 112   | 112        | 112  | 112  | 112  |
| M 2                          | 00   | 00   | 00   | 00              | 00    | 00    | 00    | 00         | 00   | 00   | 00   |

STATION 33681

KRAZIE

ANNEE 1961/1962

| 1 <sup>re</sup> INTER. 96 60 |      |      |      | LONG. 706.10 60 |      |      |       | ALT. 50 m. |      |      |      |
|------------------------------|------|------|------|-----------------|------|------|-------|------------|------|------|------|
| SEPT                         | OCTO | NOV  | DECE | JANV            | FEBV | MARS | AVRIL | MAI        | JUIN | JUIL | AOUT |
| 1                            |      |      | 1.7  |                 |      |      |       |            |      |      | 1    |
| 2                            |      |      |      |                 |      |      |       |            |      |      | 2    |
| 3                            |      |      | 5.5  |                 |      |      |       |            |      |      | 3    |
| 4                            |      |      | 2.5  |                 |      |      |       |            |      |      | 4    |
| 5                            |      |      |      |                 |      | 12.6 |       |            |      |      | 5    |
| 6                            |      |      |      |                 |      |      |       |            |      |      | 6    |
| 7                            |      |      |      |                 |      | 14.7 | 5.0   |            |      |      | 7    |
| 8                            |      |      |      |                 |      |      |       |            |      |      | 8    |
| 9                            |      |      |      |                 |      |      |       | 7.2        |      |      | 9    |
| 10                           |      |      |      |                 |      |      |       | 16.1       |      |      | 10   |
| 11                           |      |      |      |                 |      |      |       |            |      |      | 11   |
| 12                           |      |      |      |                 |      | 3.4  |       | 6.6        |      |      | 12   |
| 13                           |      |      |      |                 |      |      |       |            |      |      | 13   |
| 14                           |      |      |      |                 |      |      |       | 4.0        |      |      | 14   |
| 15                           |      |      |      |                 | 56.6 |      | 16.7  |            |      |      | 15   |
| 16                           |      |      |      |                 |      |      | 11.7  |            |      |      | 16   |
| 17                           |      |      |      |                 |      |      |       |            |      |      | 17   |
| 18                           |      |      |      |                 |      |      | 10.7  |            |      |      | 18   |
| 19                           |      |      |      |                 |      |      | 21.0  |            |      |      | 19   |
| 20                           |      |      |      | 27.0            |      | 14.7 | 7.0   |            |      |      | 20   |
| 21                           |      |      |      | 7.0             |      |      | 6.7   |            |      |      | 21   |
| 22                           |      |      |      |                 |      | 10.1 |       |            |      |      | 22   |
| 23                           |      |      |      |                 |      | 1.6  |       |            |      |      | 23   |
| 24                           |      |      |      |                 |      |      |       |            |      |      | 24   |
| 25                           |      |      |      | 7.0             |      | 6.4  |       |            |      |      | 25   |
| 26                           |      |      |      | 4.5             |      | 6.4  |       |            |      |      | 26   |
| 27                           |      |      |      | 4.7             |      |      |       |            |      |      | 27   |
| 28                           |      |      |      |                 |      |      |       |            |      |      | 28   |
| 29                           |      |      |      | 4.3             |      |      |       |            |      |      | 29   |
| 30                           |      |      |      |                 |      | 6.4  |       |            |      |      | 30   |
| 31                           |      |      |      |                 |      |      |       |            |      |      | 31   |
| TOT                          | 32.6 | 24.0 | 77.6 | 106.2           | 33.4 | 56.1 | 26.7  | 27.7       | 0.0  | 0.0  | 25.0 |
| OBSERVATIONS                 |      |      |      |                 |      |      |       |            |      |      |      |
| TOTAL ANNEE = 564.5          |      |      |      |                 |      |      |       |            |      |      |      |
| COM 112                      | 112  | 112  | 112  | 112             | 112  | 112  | 112   | 112        | 050  | 050  | 050  |



|                     | LAT= 41GR.36 DB |      |      |      | LONG= 6GR.44 DO |      |      |       | ALT= 30 '1 |      |      |     |
|---------------------|-----------------|------|------|------|-----------------|------|------|-------|------------|------|------|-----|
|                     | SEPT            | OCTO | NOV  | DECE | JANV            | FEBR | MARS | APRIL | MAY        | JUN  | JULY | AUG |
| 1                   | .               | .    | .    | 6    | .               | .    | .    | .     | .          | .    | .    | 1.0 |
| 2                   | .               | .    | .    | 4.7  | .               | .    | .    | .     | .          | .    | .    | 8.0 |
| 3                   | .               | .    | .    | 9.1  | .               | .    | .    | .     | .          | .    | .    | .   |
| 4                   | .               | .    | .    | 7    | .               | .    | .    | .     | .          | .    | .    | .   |
| 5                   | .               | .    | .    | .    | .               | 12.8 | .    | .     | .          | .    | .    | .   |
| 6                   | 4.2             | .    | 3.6  | .    | .               | .    | 8.3  | 1.3   | .          | .    | .    | .   |
| 7                   | .               | .    | .    | .    | .               | .    | 1.0  | .     | 16.3       | .    | .    | .   |
| 8                   | .               | .    | .    | .    | .               | .    | .    | .     | 12.4       | .    | .    | .   |
| 9                   | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 10                  | .               | .    | 1.1  | 3    | .               | .    | .    | .     | .          | .    | .    | .   |
| 11                  | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 12                  | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 13                  | .               | .    | 5    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 14                  | .               | .    | .    | 2.5  | .               | .    | .    | 1.6   | .          | .    | .    | .   |
| 15                  | .               | .    | .    | 2.3  | 25.9            | .    | .    | .     | .          | .    | .    | .   |
| 16                  | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 17                  | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 18                  | .               | .    | .    | 8.3  | 15.4            | 7    | .    | 10.4  | .          | .    | .    | .   |
| 19                  | .               | .    | .    | 29.3 | 4.7             | .    | .    | 34.6  | .          | .    | .    | .   |
| 20                  | .               | 4    | .    | .    | .               | .    | .    | 11.4  | .          | .    | .    | .   |
| 21                  | .               | .    | .    | .    | 4.3             | 28.0 | 26.7 | .     | .          | .    | .    | .   |
| 22                  | .               | 14.9 | .    | .    | .               | 8.0  | 2.5  | .     | .          | .    | .    | .   |
| 23                  | .               | .    | .    | .    | .               | 4.1  | 4.6  | .     | .          | .    | .    | .   |
| 24                  | .               | .    | 2.2  | 1.4  | 2.4             | 2.7  | 2.7  | .     | .          | .    | .    | .   |
| 25                  | .               | 1.2  | 2.2  | .    | 5.6             | .    | .    | .     | .          | .    | .    | .   |
| 26                  | .               | 8.5  | .    | .    | 1.0             | 1.1  | .    | .     | .          | .    | .    | .   |
| 27                  | 4.3             | 1.8  | .    | .    | 8.3             | .    | .    | .     | .          | .    | .    | .   |
| 28                  | 7.0             | .    | 10.3 | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| 29                  | .               | .    | 2.3  | .    | .               | .    | 4.1  | 7     | .          | .    | .    | .   |
| 30                  | .               | .    | 4.6  | .    | .               | .    | 8.0  | .     | .          | .    | .    | .   |
| 31                  | .               | .    | .    | .    | .               | .    | .    | .     | .          | .    | .    | .   |
| TOT                 | 16.2            | 26.6 | 24.6 | 54.7 | 76.0            | 42.1 | 70.7 | 69.0  | 29.2       | 24.0 | 0.3  | 7.3 |
| OBSERVATIONS        |                 |      |      |      |                 |      |      |       |            |      |      |     |
| TOTAL ANNUAL= 615.1 |                 |      |      |      |                 |      |      |       |            |      |      |     |
| CORR * 112          | 112             | 112  | 112  | 112  | 112             | 112  | 112  | 112   | 112        | 058  | 058  | 112 |
| M J                 | 1               | 5    | 5    | 10   | 8               | 8    | 9    | 6     | 2          | 44   | 22   | 2   |

[illegible]



STATION 34476

MICHAUD

ANNEX 1961/1962

|                            | LATN 47GR. 17 25 |      |      |      | LONGH |      |      | EGR. 38 38 |      | ALTN | 15 M |      |                      |  |
|----------------------------|------------------|------|------|------|-------|------|------|------------|------|------|------|------|----------------------|--|
|                            | SEPT             | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVR        | MAI  | JUN  | JUL  | AOUT |                      |  |
| 1                          |                  |      |      | 6.0  |       |      |      | 7.3        |      |      |      |      | 1                    |  |
| 2                          |                  |      |      |      |       |      |      | 7.5        | 7.4  |      |      |      | 2                    |  |
| 3                          |                  |      |      |      |       |      |      |            |      |      |      |      | 3                    |  |
| 4                          |                  |      |      | 6.8  |       |      |      |            |      |      |      |      | 4                    |  |
| 5                          |                  |      |      |      |       |      |      |            |      |      |      |      | 5                    |  |
| 6                          |                  |      |      |      |       |      | 24.0 |            |      |      |      |      | 6                    |  |
| 7                          |                  |      |      |      |       |      | 28.4 |            |      |      |      |      | 7                    |  |
| 8                          |                  |      |      |      |       |      |      |            |      |      |      |      | 8                    |  |
| 9                          |                  |      |      |      |       |      | 1.4  |            | 13.0 |      |      |      | 9                    |  |
| 10                         |                  |      |      |      |       |      |      |            | 3.0  |      |      |      | 10                   |  |
| 11                         |                  |      |      |      |       |      |      |            |      |      |      |      | 11                   |  |
| 12                         |                  |      |      |      |       |      |      |            | 7.5  |      |      |      | 12                   |  |
| 13                         |                  |      |      |      |       |      |      |            |      |      |      |      | 13                   |  |
| 14                         |                  |      |      |      |       |      |      |            |      |      |      |      | 14                   |  |
| 15                         |                  |      |      | 17.5 | 35.2  |      |      | 3.0        |      |      |      |      | 15                   |  |
| 16                         |                  |      |      |      |       |      |      | 7.0        |      |      |      |      | 16                   |  |
| 17                         |                  |      |      |      |       |      |      |            |      |      |      |      | 17                   |  |
| 18                         |                  |      |      |      |       |      |      |            |      |      |      |      | 18                   |  |
| 19                         |                  |      |      | 5.7  | 14.3  |      |      | 15.4       |      |      |      |      | 19                   |  |
| 20                         |                  |      |      | 38.0 | 8.5   |      |      | 19.3       |      |      |      |      | 20                   |  |
| 21                         |                  |      |      |      | 6.0   |      |      | 8.3        |      |      |      |      | 21                   |  |
| 22                         |                  |      |      |      | 3.4   | 41.4 | 16.5 | 4.0        |      |      |      |      | 22                   |  |
| 23                         |                  | 9.0  |      | 11.5 |       | 2.0  |      |            |      |      |      |      | 23                   |  |
| 24                         |                  |      |      |      | 6.0   | 5.4  |      |            |      |      |      |      | 24                   |  |
| 25                         |                  | 5.4  |      |      |       | 10.0 |      |            |      |      |      |      | 25                   |  |
| 26                         |                  |      | 3.5  | 4.0  | 2.0   |      |      |            |      |      |      |      | 26                   |  |
| 27                         |                  | 7.0  | 4.0  | 1.2  |       | 4.4  |      |            |      |      |      |      | 27                   |  |
| 28                         | 4.5              |      |      |      | 14.0  |      |      |            |      |      |      |      | 28                   |  |
| 29                         | 12.4             |      | 7.0  |      |       |      |      |            |      |      |      |      | 29                   |  |
| 30                         |                  |      | 8.0  |      | 10.0  |      | 3.0  |            |      |      |      |      | 30                   |  |
| 31                         |                  |      |      |      |       |      |      |            |      |      |      |      | 31                   |  |
| TOT                        | 16.9             | 21.4 | 22.5 | 90.7 | 97.4  | 63.4 | 73.3 | 51.1       | 36.9 | 0.0  | 0.0  | 0.0  |                      |  |
| OBSERVATION + CHENIF PONGI |                  |      |      |      |       |      |      |            |      |      |      |      |                      |  |
|                            |                  |      |      |      |       |      |      |            |      |      |      |      | TOTAL ANNUEL + 137.4 |  |
| CON + 112                  | 112              | 112  | 112  | 112  | 112   | 112  | 112  | 112        | 112  | 112  | 112  | 112  |                      |  |
| N 2                        | 2                | 3    | 4    | 5    | 9     | 5    | 5    | 9          | 6    | 0    | 0    | 0    | 47                   |  |

STATION 34550

MICHAUD

ANNEX 1961/1962

| LATN 47GR. 17 25         |      |      |      | LONGH |       |       | EGR. 38 38 |      | ALTN | 15 M |      |                      | ADUT |
|--------------------------|------|------|------|-------|-------|-------|------------|------|------|------|------|----------------------|------|
| SEPT                     | OCTO | NOVF | DECE | JANV  | FEBR  | MARS  | AVR        | MAI  | JUN  | JUL  | AOUT | SEPT                 |      |
| 1                        |      |      | 7.7  |       |       |       |            |      |      |      |      | 1                    |      |
| 2                        |      |      | 9.9  |       |       |       |            |      |      |      |      | 2                    |      |
| 3                        |      |      | 16.7 |       |       |       |            |      |      |      |      | 3                    |      |
| 4                        |      |      | 12.0 |       |       |       |            |      |      |      |      | 4                    |      |
| 5                        |      |      | 12.9 |       |       | 16.0  |            |      |      |      |      | 5                    |      |
| 6                        |      |      |      |       |       | 30.0  |            |      |      |      |      | 6                    |      |
| 7                        |      |      |      |       |       | 36.0  |            |      |      |      |      | 7                    |      |
| 8                        |      |      |      |       |       | 3.0   |            | 4.0  |      |      |      | 8                    |      |
| 9                        |      |      |      |       |       | 6.0   |            | 19.0 |      |      |      | 9                    |      |
| 10                       |      |      |      |       |       |       |            | 10.0 |      |      |      | 10                   |      |
| 11                       |      |      |      |       |       |       |            |      |      |      |      | 11                   |      |
| 12                       |      |      |      |       |       |       |            | 7.0  |      |      |      | 12                   |      |
| 13                       |      |      |      |       |       |       |            |      |      |      |      | 13                   |      |
| 14                       |      |      |      |       |       |       |            |      |      |      |      | 14                   |      |
| 15                       |      |      |      |       |       |       |            |      |      |      |      | 15                   |      |
| 16                       |      |      |      |       |       | 12.0  |            |      |      |      |      | 16                   |      |
| 17                       |      |      |      |       |       | 30.0  |            |      |      |      |      | 17                   |      |
| 18                       |      |      |      |       |       | 10.0  |            | 12.0 |      |      |      | 18                   |      |
| 19                       |      |      | 20.7 | 17.0  |       | 5.0   | 10.0       |      |      |      |      | 19                   |      |
| 20                       |      |      | 41.0 | 2.0   |       | 5.0   | 25.0       |      |      |      |      | 20                   |      |
| 21                       |      |      |      |       |       | 20.0  | 10.0       | 30.0 |      |      |      | 21                   |      |
| 22                       |      | 3.0  |      | 6.2   | 11.0  | 30.0  | 15.0       | 7.0  |      |      |      | 22                   |      |
| 23                       |      | 2.0  |      | 14.0  | 43.0  |       | 7.0        |      |      |      |      | 23                   |      |
| 24                       |      | 5.0  |      |       | 16.0  | 20.0  | 1.0        |      |      |      |      | 24                   |      |
| 25                       |      | 9.0  | 4.0  | 6.0   | 12.0  | 30.0  |            |      |      |      |      | 25                   |      |
| 26                       |      | 27.0 | 6.0  | 17.0  | 10.0  |       |            |      |      |      |      | 26                   |      |
| 27                       |      | 26.0 | 7.0  |       | 9.0   | 22.0  |            |      |      |      |      | 27                   |      |
| 28                       | 5.5  |      | 7.0  |       | 11.0  |       |            |      |      |      |      | 28                   |      |
| 29                       | 7.0  |      | 14.0 |       | 12.0  |       |            |      |      |      |      | 29                   |      |
| 30                       |      |      | 4.0  |       | 7.0   |       |            |      |      |      |      | 30                   |      |
| 31                       |      |      |      |       | 10.0  |       |            |      |      |      |      | 31                   |      |
| TOT                      | 12.5 | 45.0 | 17.0 | 97.7  | 159.0 | 201.0 | 97.0       | 95.0 | 10.0 | 0.0  | 0.0  | 50.0                 |      |
| OBSERVATION + MICHEPINKA |      |      |      |       |       |       |            |      |      |      |      | TOTAL ANNUEL + 740.5 |      |
| CON + 112                | 112  | 112  | 112  | 112   | 112   | 112   | 112        | 112  | 112  | 058  | 058  | 359                  |      |







| STATION 30064       |      | NAFIA BELLEGARION |      |       | ANNEE 1951/1952 |       |           |       |      |      |      |              |       |     |     |
|---------------------|------|-------------------|------|-------|-----------------|-------|-----------|-------|------|------|------|--------------|-------|-----|-----|
|                     |      | LAT= 42N 08 45    |      |       | LONG=           |       | 70N 49 50 |       | ALT= |      | 50 M |              |       |     |     |
| SEP                 | OCTO | NOV               | DEC  | JANV  | FEBV            | MARS  | AVR       | MAI   | JUIN | JUIL | AOUT |              |       |     |     |
| 1                   |      |                   | 21.5 |       | 4               |       | 5.0       | 2.5   |      |      |      |              | 1     |     |     |
| 2                   | 1.2  |                   | 2.3  |       |                 |       | 2.5       |       |      |      |      |              | 2     |     |     |
| 3                   |      |                   | 7.0  | 1.0   |                 |       | 3         |       |      |      |      |              | 3     |     |     |
| 4                   |      |                   | 10.0 |       |                 |       | 8         |       |      |      |      |              | 4     |     |     |
| 5                   |      |                   | 12.0 |       |                 |       | 38.5      |       |      |      |      |              | 5     |     |     |
| 6                   |      |                   |      | 5     |                 | 2.0   | 25.0      | 6.5   |      |      |      |              | 6     |     |     |
| 7                   |      |                   | 10.0 |       |                 |       | 15.0      |       |      |      |      |              | 7     |     |     |
| 8                   |      |                   | 1.0  |       |                 |       | 11.5      |       |      |      |      | 6.0          | 8     |     |     |
| 9                   |      |                   |      |       |                 |       | 5         |       | 6.0  |      |      | 3.0          | 9     |     |     |
| 10                  |      |                   |      |       |                 |       |           |       | 14.0 |      |      | 1.0          | 10    |     |     |
| 11                  |      |                   | 2.0  |       |                 |       |           | 1.0   |      |      |      |              | 11    |     |     |
| 12                  |      |                   |      |       |                 |       |           | 3.5   |      |      |      |              | 12    |     |     |
| 13                  |      |                   | 4    |       |                 |       | 3.0       |       |      |      |      |              | 13    |     |     |
| 14                  |      |                   | 1.0  | 5.0   |                 |       | 10.0      |       |      |      | 2.0  |              | 14    |     |     |
| 15                  |      |                   | 3.5  | 2.0   | 1.0             |       | 4.5       |       |      |      |      |              | 15    |     |     |
| 16                  |      |                   | 2.5  |       |                 | 4.0   |           |       |      |      |      |              | 16    |     |     |
| 17                  |      |                   |      |       | 20.0            | 1.5   | 2.5       | 15.0  |      |      |      |              | 17    |     |     |
| 18                  |      |                   |      | 13.0  | 2.0             | 1.0   | 1.5       | 32.0  |      |      |      |              | 18    |     |     |
| 19                  |      |                   |      |       | 27.0            | 6.5   | 6.0       | 20.0  |      |      |      |              | 19    |     |     |
| 20                  |      |                   |      |       |                 |       |           |       |      |      |      |              | 20    |     |     |
| 21                  |      |                   | 13.0 | 32.5  | 10.0            | 20.0  | 5.3       |       |      |      |      |              | 21    |     |     |
| 22                  |      |                   | 5    | 18.0  | 4.5             | 1.0   |           |       |      |      |      |              | 22    |     |     |
| 23                  |      | 5.0               | 17.0 | 4.0   | 24.0            | 1.5   |           |       |      |      |      |              | 23    |     |     |
| 24                  | 1.5  | 5.0               | 2.0  | 10.0  | 22.5            |       | 2.0       |       |      |      |      |              | 24    |     |     |
| 25                  |      | 5.0               | 4.5  | 11.0  | 2.0             |       | 4.0       |       |      |      |      |              | 25    |     |     |
| 26                  |      |                   |      |       |                 |       |           |       |      |      |      |              | 26    |     |     |
| 27                  |      | 1.5               | 12.0 | 2.5   | 18.0            | 9.0   | 1.0       |       |      |      |      | 1.0          | 27    |     |     |
| 28                  | 14.2 | 11.5              | 6.0  | 2.0   | 14.0            |       | 2.5       |       |      |      |      |              | 28    |     |     |
| 29                  | 12.3 |                   | 23.0 |       | 21.0            |       | 1.0       |       |      |      |      |              | 29    |     |     |
| 30                  |      |                   | 10.0 |       | 6.5             |       | 5.7       |       |      |      |      |              | 30    |     |     |
| 31                  |      |                   |      |       | 6.5             |       | 3.0       |       |      |      |      |              | 31    |     |     |
| TOT                 | 27.2 | 42.2              | 72.5 | 151.5 | 177.0           | 171.5 | 137.0     | 117.6 | 27.0 | 0.0  | 2.5  | 16.0         |       |     |     |
| OBSERVATEUR= BELLAY |      |                   |      |       |                 |       |           |       |      |      |      | TOTAL ANNEE= | 732.1 |     |     |
| COM = 112           |      |                   |      |       |                 |       |           |       |      |      |      | 112          | 112   | 112 | 112 |
| N 3                 | 4    | 7                 | 13   | 16    | 16              | 13    | 16        | 17    | 5    | 0    | 2    | 4            | 173   |     |     |

| STATION 14033 |      | HEIGHTS          |      |      |       | LONG        |       | TEMP       |      | ANNEE 1981/1982 |     | ALT  |      | AS   |     |
|---------------|------|------------------|------|------|-------|-------------|-------|------------|------|-----------------|-----|------|------|------|-----|
|               |      | LATN 47°18'07" N |      |      |       | 101°04' 35" |       | 75°40' 35" |      | 1981            |     | 1982 |      | 1983 |     |
| SEPT          | OCTO | NOV              | DEC  | JANV | FEB   | MAR         | APR   | MAY        | JUN  | JUL             | AUG | SEPT | OCTO | NOV  | DEC |
| 1             |      |                  | 28.4 |      |       |             | 1.6   | 2.5        |      |                 |     |      |      |      | 1   |
| 2             |      |                  | 28.4 |      |       |             | 2.5   | 4.2        |      |                 |     |      |      |      | 2   |
| 3             |      |                  | 28.4 |      |       |             | 3.2   |            |      |                 |     |      |      |      | 3   |
| 4             |      |                  | 18.1 |      |       |             |       |            |      |                 |     |      |      |      | 4   |
| 5             |      |                  | 18.1 |      |       |             | 10.7  |            |      |                 |     |      |      |      | 5   |
| 6             |      |                  |      |      |       |             | 10.9  |            |      |                 |     |      |      |      | 6   |
| 7             |      |                  | 11.7 |      |       |             | 12.1  | 7.7        |      |                 |     |      |      |      | 7   |
| 8             |      |                  | 11.7 |      |       |             | 10.9  |            |      |                 |     |      |      |      | 8   |
| 9             |      |                  | 11.7 |      |       |             |       | 4.6        |      |                 |     |      |      |      | 9   |
| 10            |      |                  |      |      |       |             |       | 22.1       |      |                 |     |      |      |      | 10  |
| 11            |      |                  | 5.1  |      |       |             |       | 2.4        |      |                 |     |      |      |      | 11  |
| 12            |      |                  |      |      |       |             |       | 4.5        |      |                 |     |      |      |      | 12  |
| 13            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 13  |
| 14            |      |                  | 11.1 |      |       |             |       | 2.7        |      |                 |     |      |      |      | 14  |
| 15            |      |                  | 11.1 |      |       |             |       | 7.7        |      |                 |     |      |      |      | 15  |
| 16            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 16  |
| 17            |      |                  | 11.1 |      | 5.1   |             |       | 3.0        |      |                 |     |      |      |      | 17  |
| 18            |      |                  |      |      |       | 13.4        |       |            |      |                 |     |      |      |      | 18  |
| 19            |      |                  |      |      |       | 21.4        |       |            |      |                 |     |      |      |      | 19  |
| 20            |      |                  |      |      | 15.9  | 15.7        | 1.7   | 10.1       |      |                 |     |      |      |      | 20  |
| 21            |      |                  |      |      |       |             |       | 16.4       |      |                 |     |      |      |      | 21  |
| 22            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 22  |
| 23            |      |                  |      |      | 1.4   | 27.4        | 0.7   | 18.6       |      |                 |     |      |      |      | 23  |
| 24            |      |                  |      |      | 28.8  | 41.7        | 10.6  | 5.1        |      |                 |     |      |      |      | 24  |
| 25            |      |                  |      |      | 30.8  | 35.7        | 7.6   |            |      |                 |     |      |      |      | 25  |
| 26            |      |                  |      |      | 1.1   | 17.5        | 7.1   |            |      |                 |     |      |      |      | 26  |
| 27            |      |                  |      |      | 22.4  | 24.9        |       | 4.0        |      |                 |     |      |      |      | 27  |
| 28            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 28  |
| 29            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 29  |
| 30            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 30  |
| 31            |      |                  |      |      |       |             |       |            |      |                 |     |      |      |      | 31  |
| TOT           | 26.0 | 30.7             | 41.9 | 15.1 | 207.9 | 142.0       | 116.7 | 111.0      | 41.0 | 2.0             | 0.2 | 3.6  |      |      |     |



STATION 34661

DURE EL JONHOU EL ANTRA

ANNEE 1971/1972

59

|     | SEPT | OCTO | NOV  | DEC   | JANV  | FEBV | MARS | AVRIL | MAL  | JUIN | JUIL | AOÛT |
|-----|------|------|------|-------|-------|------|------|-------|------|------|------|------|
| 1   |      |      |      |       |       |      |      | 5.1   | 4.0  |      |      | 1    |
| 2   |      |      |      | 7.5   |       |      |      | 1.7   |      |      |      | 2    |
| 3   |      |      |      | 10.7  |       |      |      |       |      |      |      | 3    |
| 4   |      |      |      | 5.8   |       |      |      |       |      |      |      | 4    |
| 5   |      |      |      | 2.4   |       | 2.0  | 10.2 |       |      |      |      | 5    |
| 6   |      |      | 7.0  |       |       |      | 16.4 | 7.2   |      |      |      | 6    |
| 7   |      |      |      |       |       |      | 1.3  |       |      |      |      | 7    |
| 8   |      |      |      |       |       |      | 1.2  |       |      |      |      | 8    |
| 9   |      |      | 7.3  |       |       |      |      |       | 25.1 |      |      | 9    |
| 10  |      |      |      |       |       |      |      |       | 1.7  |      |      | 10   |
| 11  |      |      |      |       |       |      |      |       | 7.5  |      |      | 11   |
| 12  |      |      |      |       |       |      |      |       |      |      |      | 12   |
| 13  |      |      | 1.7  |       |       |      |      | 6.6   |      |      |      | 13   |
| 14  |      |      |      | 12.5  |       |      |      | 4.6   |      |      |      | 14   |
| 15  |      |      |      |       | 43.3  |      |      | 3.8   |      |      |      | 15   |
| 16  |      |      |      |       |       |      |      |       |      |      |      | 16   |
| 17  |      |      |      |       |       | 4.5  |      |       |      |      |      | 17   |
| 18  |      |      |      | 4.4   | 19.9  |      | 7.3  | 15.7  |      |      |      | 18   |
| 19  |      |      |      | 26.2  | 2.1   |      | 2.5  | 23.4  |      |      |      | 19   |
| 20  |      |      |      |       | 8.8   | 2.7  | 3.5  | 7.9   |      |      |      | 20   |
| 21  |      |      |      |       | 2.4   | 20.7 | 10.1 | 4.7   |      |      |      | 21   |
| 22  |      | 6.4  |      | 11.9  | 4.5   | 3.3  | 6.4  |       |      |      |      | 22   |
| 23  |      |      |      | 1.1   | 11.4  | 3.4  |      |       |      |      |      | 23   |
| 24  |      | 1.6  |      | 2.1   | 5.0   | 8.4  | 1.2  |       |      |      |      | 24   |
| 25  |      | 1.4  | 20.9 | 2.9   | 1.4   | 1.2  | 1.1  | 1.3   |      |      |      | 25   |
| 26  |      | 4.0  | 7.0  | 2.9   | 11.9  | 9.6  |      |       |      |      |      | 26   |
| 27  | 23.3 | 2.7  |      |       | 8.0   |      |      |       |      |      |      | 27   |
| 28  | 12.9 |      | 15.4 |       | 7.9   |      |      | 1.7   |      |      |      | 28   |
| 29  |      |      | 1.1  |       | 5.9   |      | 4.0  |       |      |      |      | 29   |
| 30  |      |      | 13.4 |       |       |      | 4.5  |       |      |      |      | 30   |
| 31  |      |      |      |       |       |      | 1.2  |       |      |      |      | 31   |
| TOT | 35.6 | 22.0 | 79.4 | 115.6 | 132.4 | 40.7 | 98.3 | 76.0  | 45.4 | 0.0  | 0.0  | 4.2  |

OBSERVATEUR: SALAH CHARALAT

TOTAL ANNUEL: 561.2

|     |     |     |     |     |     |     |     |     |     |     |     |      |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| COM | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112  |
| M J | 1   | 5   | 22  | 13  | 13  | 12  | 15  | 12  | 5   | 0   | 3   | 1 90 |

STATION 34934

DURE EL NELLA SE

ANNEE 1971/1972

|     | SEPT | OCTO | NOV  | DEC  | JANV  | FEBV | MARS | AVRIL | MAL  | JUIN | JUIL | AOÛT |
|-----|------|------|------|------|-------|------|------|-------|------|------|------|------|
| 1   |      |      |      |      |       |      |      |       |      |      |      | 1    |
| 2   |      |      |      | 7.9  |       |      |      |       |      |      |      | 2    |
| 3   |      |      |      | 11.2 |       |      |      |       |      |      |      | 3    |
| 4   |      |      |      | 7.3  |       |      |      |       |      |      |      | 4    |
| 5   |      |      |      |      |       |      | 15.0 |       |      |      |      | 5    |
| 6   |      |      |      |      |       |      | 15.3 |       |      |      |      | 6    |
| 7   |      |      | 4.4  |      |       |      |      |       |      |      |      | 7    |
| 8   |      |      |      |      |       |      | 5.9  |       | 20.3 |      |      | 8    |
| 9   |      |      |      |      |       |      |      |       | 15.8 |      |      | 9    |
| 10  |      |      |      |      |       |      |      |       |      |      |      | 10   |
| 11  |      |      |      |      |       |      |      |       | 6.2  |      |      | 11   |
| 12  |      |      |      |      |       |      |      |       |      |      |      | 12   |
| 13  |      |      |      |      |       |      |      |       |      |      |      | 13   |
| 14  |      |      |      | 7.9  |       |      |      |       |      |      |      | 14   |
| 15  |      |      |      |      | 43.0  |      |      | 9.0   |      |      |      | 15   |
| 16  |      |      |      |      |       |      |      |       |      |      |      | 16   |
| 17  |      |      |      |      |       |      |      |       |      |      |      | 17   |
| 18  |      |      |      | 11.7 | 10.0  |      |      | 12.0  |      |      |      | 18   |
| 19  |      |      |      | 20.0 | 7.3   |      |      | 12.0  |      |      |      | 19   |
| 20  |      |      |      |      |       |      | 6.1  | 73.0  |      |      |      | 20   |
| 21  |      |      |      |      |       |      | 16.0 | 1.7   |      |      |      | 21   |
| 22  |      | 8.9  |      | 1.3  | 14.0  | 25.0 |      |       |      |      |      | 22   |
| 23  |      |      |      |      | 7.0   |      |      |       |      |      |      | 23   |
| 24  |      |      |      | 1.7  | 14.0  | 1.0  | 1.0  |       |      |      |      | 24   |
| 25  |      | 2.0  | 7.3  | 7.5  | 3.0   |      | 4.0  |       |      |      |      | 25   |
| 26  |      | 6.0  |      | 2.5  | 22.0  |      |      |       |      |      |      | 26   |
| 27  | 6.0  | 4.0  |      |      | 10.0  |      |      |       |      |      |      | 27   |
| 28  | 10.0 |      | 7.1  |      | 4.0   |      |      |       |      |      |      | 28   |
| 29  |      |      | 4.0  |      |       |      |      |       |      |      |      | 29   |
| 30  |      |      |      |      |       |      | 10.0 | 2.3   |      |      |      | 30   |
| 31  |      |      |      |      |       |      |      |       |      |      |      | 31   |
| TOT | 35.0 | 20.0 | 7.27 | 17.5 | 131.3 | 28.0 | 84.7 | 84.1  | 66.2 | 0.0  | 0.0  | 1.0  |

OBSERVATEUR: GHEROUH SALAH

TOTAL ANNUEL: 576.2

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| COM | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| M J | 1   | 1   | 40  | 10  | 1   | 0   | 6   | 3   | 0   | 3   | 1   | 52  |



| STATION 35064               |      | OBJ: OPERALA   |      |       |                 |      |           |      | APR: 1951/1952 |     |      |      |
|-----------------------------|------|----------------|------|-------|-----------------|------|-----------|------|----------------|-----|------|------|
|                             |      | LAT: 46P.20 25 |      |       | LONG: 56P.04 20 |      | ALT: 22 M |      |                |     |      |      |
| SEPT                        | OCT  | NOV            | DEC  | JAN   | FEB             | MAR  | APR       | MAY  | JUN            | JUL | AUG  |      |
| 1                           |      |                | 4.7  |       |                 |      | 1.1       | 1.9  |                |     |      |      |
| 2                           |      |                | 2.5  |       |                 |      | 2.5       |      |                |     |      |      |
| 3                           |      |                | 6.6  |       |                 |      | 1.8       |      |                |     |      |      |
| 4                           |      |                |      |       |                 |      |           |      |                |     |      |      |
| 5                           |      |                | 7.2  |       |                 | 18.8 |           |      |                |     |      |      |
| 6                           |      |                |      |       |                 | 55.6 | 1.9       |      |                |     |      |      |
| 7                           | 2.1  |                | 2.2  |       |                 | 6.9  | 1.3       |      |                |     |      |      |
| 8                           |      |                | 1.7  |       |                 | 1.1  |           |      |                |     |      |      |
| 9                           |      |                |      |       |                 |      |           | 16.9 |                |     | 14.2 |      |
| 10                          |      |                | 1.8  |       |                 |      |           | 7.5  |                |     |      |      |
| 11                          |      |                | 1.8  |       |                 |      |           | 1.5  |                |     |      |      |
| 12                          |      |                |      |       |                 |      |           | 7.1  |                |     |      |      |
| 13                          |      |                |      |       |                 |      | 6.5       |      |                |     |      |      |
| 14                          |      |                | 21.4 |       |                 |      | 3.3       |      |                |     |      |      |
| 15                          |      | 2.6            | 6.9  | 65.2  |                 |      | 22.3      |      |                |     |      |      |
| 16                          |      |                |      | 8.7   |                 |      |           |      |                |     |      |      |
| 17                          |      |                |      |       | 4.2             |      |           |      |                |     |      |      |
| 18                          |      |                | 7.6  | 2.5   |                 | 1.6  | 5.9       |      |                |     |      |      |
| 19                          |      |                | 63.8 | 20.9  | 1.6             | 1.8  | 14.5      | 1.7  |                |     |      |      |
| 20                          |      |                | 1.9  | 6.1   |                 |      | 14.9      |      |                |     |      |      |
| 21                          |      |                |      | 2.3   | 16.4            | 17.7 | 15.3      |      |                |     |      |      |
| 22                          |      | 3.4            |      | 14.2  | 6.5             | 11.1 |           |      |                |     |      |      |
| 23                          |      | 1.0            |      |       | 5.1             | 16.8 | 1.2       |      |                |     |      |      |
| 24                          |      |                |      | 1.0   | 8.1             | 21.6 | 1.4       |      |                |     |      |      |
| 25                          |      | 3.9            | 5.1  | 2.5   | 16.1            | 1.6  |           |      |                |     |      |      |
| 26                          |      | 7.1            | 3.3  | 4.1   | 12.7            | 5.8  |           |      |                |     |      |      |
| 27                          | 4.9  | 5.9            |      |       | 8.3             | 1.1  |           |      |                |     |      |      |
| 28                          | 1.6  |                | 6.5  |       | 11.9            |      | 1.9       |      |                |     |      |      |
| 29                          | 20.5 |                | 8.1  |       | 1.8             |      | 2.1       |      |                |     |      |      |
| 30                          |      |                | 6.6  |       | 2.1             |      | 3.6       | 3.8  |                |     |      |      |
| 31                          |      |                |      |       |                 |      | 4.2       |      |                |     |      |      |
| TOT                         | 29.7 | 21.3           | 38.1 | 146.8 | 172.5           | 74.4 | 93.0      | 77.3 | 37.2           | 0.0 | 0.3  | 14.1 |
| OBSERVATOR: SALAH B. MOKHED |      |                |      |       |                 |      |           |      |                |     |      |      |
| TOTAL ANNUAL: 698.4         |      |                |      |       |                 |      |           |      |                |     |      |      |
| COM #                       | 112  | 112            | 112  | 112   | 112             | 112  | 112       | 112  | 112            | 112 | 112  | 112  |
| M J                         | 5    | 5              | 10   | 13    | 13              | 11   | 12        | 14   | 6              | 0   | 0    | 1    |

| STATION 35101             |           | OVED ZERN       |           |           |           |                 |           |           | ANNEE 1987/1982 |            |            |                     |
|---------------------------|-----------|-----------------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------------|------------|------------|---------------------|
|                           |           | LAT= 66GR.92 ED |           |           |           | LONG= 7GR.21 00 |           |           | ALT= 521 M      |            |            |                     |
|                           | SEPT<br>1 | OCTO<br>2       | NOVE<br>3 | DECE<br>4 | JANV<br>5 | FEBV<br>6       | MARS<br>7 | AVRI<br>8 | MAI<br>9        | JUIN<br>10 | JUIL<br>11 | AOUT<br>12          |
| 1                         | .         | .               | .         | 2.7       | .         | .               | .         | 4.3       | 16.2            | .          | .          | .                   |
| 2                         | .         | .               | .         | 4.5       | .         | .               | .         | 5.5       | 1.0             | .          | .          | .                   |
| 3                         | .         | .               | .         | 23.5      | .         | .               | .         | .         | 4.0             | .          | .          | .                   |
| 4                         | .         | .               | .         | .         | .         | .               | .         | .         | .               | .          | .          | .                   |
| 5                         | .         | .               | .         | 9.0       | .         | .               | 53.E      | .         | .               | .          | .          | .                   |
| 6                         | .         | .               | .         | 15.0      | .         | 5.2             | 54.8      | .         | .               | .          | .          | .                   |
| 7                         | .         | .               | .         | .         | .         | .               | 80.0      | 7.7       | .               | .          | .          | .                   |
| 8                         | .         | .               | .         | .         | .         | .               | 2.6       | .         | .               | .          | .          | .                   |
| 9                         | .         | .               | .         | .         | .         | .               | 5.5       | .         | 6.5             | .          | .          | 6.5                 |
| 10                        | .         | .               | .         | .         | .         | .               | .         | .         | 16.0            | .          | .          | 15.5                |
| 11                        | .         | .               | .         | .         | .         | .               | .         | .         | 6.7             | .          | .          | 3.5                 |
| 12                        | .         | .               | .         | .         | .         | .               | .         | .         | 7.5             | .          | .          | .                   |
| 13                        | .         | .               | 3.0       | .         | .         | 6.5             | .         | .         | .               | .          | .          | .                   |
| 14                        | .         | .               | .         | .         | .         | .               | .         | 2.0       | .               | .          | .          | .                   |
| 15                        | .         | .               | .         | .         | .         | .               | .         | 8.0       | .               | .          | .          | .                   |
| 16                        | .         | .               | .         | .         | 6.5       | .               | .         | 6.5       | .               | .          | .          | .                   |
| 17                        | .         | .               | .         | .         | .         | 5.5             | .         | .         | .               | .          | .          | .                   |
| 18                        | .         | .               | .         | 12.0      | .         | 28.5            | .         | 1.0       | .               | .          | .          | .                   |
| 19                        | .         | .               | .         | 31.5      | 31.5      | 6.5             | 4.3       | 8.0       | .               | .          | .          | .                   |
| 20                        | .         | 27.0            | .         | .         | 1.5       | 10.5            | 8.0       | 5.0       | 5.5             | .          | .          | .                   |
| 21                        | .         | .               | .         | .         | .         | 15.5            | 35.5      | 2.0       | .               | .          | .          | .                   |
| 22                        | .         | 5.0             | .         | 9.5       | 3.0       | 40.5            | 31.2      | 9.5       | .               | .          | .          | .                   |
| 23                        | .         | 12.0            | .         | 10.0      | 47.5      | 20.5            | 7.5       | 8.0       | .               | .          | .          | .                   |
| 24                        | .         | .               | .         | .         | 25.5      | 6.7             | 3.5       | .         | .               | .          | .          | .                   |
| 25                        | .         | 11.5            | 2.8       | 4.0       | 17.5      | 37.5            | .         | .         | .               | .          | .          | .                   |
| 26                        | .         | 21.5            | .         | 13.0      | 6.5       | 40.8            | .         | 2.8       | .               | .          | .          | .                   |
| 27                        | .         | 17.0            | 6.0       | .         | 7.5       | 10.8            | .         | .         | .               | .          | .          | .                   |
| 28                        | 4.5       | .               | .         | .         | 12.0      | 5.2             | .         | 5.0       | .               | .          | .          | .                   |
| 29                        | 6.9       | .               | 12.0      | .         | 22.0      | .               | .         | 12.2      | .               | .          | .          | .                   |
| 30                        | .         | .               | 25.5      | .         | 13.0      | .               | .         | .         | .               | .          | .          | .                   |
| 31                        | .         | .               | .         | .         | 55.0      | .               | .         | .         | .               | .          | .          | .                   |
| TOT                       | 2.4       | 55.0            | 46.5      | 116.7     | 207.0     | 244.2           | 285.9     | 36.5      | 61.4            | 10.0       | 0.1        | 24.3                |
| OBSERVATION ZAMOURI NADID |           |                 |           |           |           |                 |           |           |                 |            |            | TOTAL ANNUAL 1'35.4 |
| CUM 1                     | 112       | 112             | 152       | 112       | 112       | 152             | 112       | 112       | 112             | 112        | 112        | 112                 |



| LAT= 41SP.15 SE LONG= 88P.15 SO ALT= 18 M |      |      |      |      |      |      |      |      |      |     |              |       |
|---|------|------|------|------|------|------|------|------|------|-----|--------------|-------|
| STEP                                      | DECE | NOV  | OCT  | SEPT | AUG  | JULY | JUNE | MAY  | APR  | MAR | FEB          |       |
| 1   |      |      |      |      |      |      |      |      |      |     | 1            |       |
| 2   |      |      |      |      |      |      |      |      |      |     | 2            |       |
| 3   |      |      |      |      |      |      |      |      |      |     | 3            |       |
| 4   |      |      |      |      |      |      |      |      |      |     | 4            |       |
| 5   |      |      |      |      |      |      |      |      |      |     | 5            |       |
| 6   |      |      |      |      |      |      |      |      |      |     | 6            |       |
| 7   |      |      |      |      |      |      |      |      |      |     | 7            |       |
| 8   |      |      |      |      |      |      |      |      |      |     | 8            |       |
| 9   |      |      |      |      |      |      |      |      |      |     | 9            |       |
| 10  |      |      |      |      |      |      |      |      |      |     | 10           |       |
| 11  |      |      |      |      |      |      |      |      |      |     | 11           |       |
| 12  |      |      |      |      |      |      |      |      |      |     | 12           |       |
| 13  |      |      |      |      |      |      |      |      |      |     | 13           |       |
| 14  |      |      |      |      |      |      |      |      |      |     | 14           |       |
| 15  |      |      |      |      |      |      |      |      |      |     | 15           |       |
| 16  |      |      |      |      |      |      |      |      |      |     | 16           |       |
| 17  |      |      |      |      |      |      |      |      |      |     | 17           |       |
| 18  |      |      |      |      |      |      |      |      |      |     | 18           |       |
| 19  |      |      |      |      |      |      |      |      |      |     | 19           |       |
| 20  |      |      |      |      |      |      |      |      |      |     | 20           |       |
| 21  |      |      |      |      |      |      |      |      |      |     | 21           |       |
| 22  |      |      |      |      |      |      |      |      |      |     | 22           |       |
| 23  |      |      |      |      |      |      |      |      |      |     | 23           |       |
| 24  |      |      |      |      |      |      |      |      |      |     | 24           |       |
| 25  |      |      |      |      |      |      |      |      |      |     | 25           |       |
| 26  |      |      |      |      |      |      |      |      |      |     | 26           |       |
| 27  |      |      |      |      |      |      |      |      |      |     | 27           |       |
| 28  |      |      |      |      |      |      |      |      |      |     | 28           |       |
| 29  |      |      |      |      |      |      |      |      |      |     | 29           |       |
| 30  |      |      |      |      |      |      |      |      |      |     | 30           |       |
| 31  |      |      |      |      |      |      |      |      |      |     | 31           |       |
| TOT                                       | 20.4 | 24.3 | 13.7 | 70.1 | 89.5 | 19.5 | 60.0 | 67.1 | 42.5 | 8.0 | 0.0          | 7.3   |
| OBSERVATORY MECHANICAL HAZARD             |      |      |      |      |      |      |      |      |      |     | TOTAL ANNUAL | 429.5 |
| STEP                                      | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112          |       |
| STEP                                      | 2    | 5    | 4    | 10   | 12   | 4    | 4    | 5    | 2    | 0   | 3            | 50    |

STAT 134 34302

ALL BUREAU COPY

ANNEX 1054/1732

[illegible]







STATION 35772

SEJFJANK DEVERSOIR

ANNEE 1921/1922

LAT= 45GR.37 27 LONG= 7GR.25 17

ALTA 62 M

63

|                           | SEPT | OCTO | NOV  | DECE | JANV  | FEBV | MARS | AVRIL | MAI | JUIN | JUIL | AOUT                |
|---------------------------|------|------|------|------|-------|------|------|-------|-----|------|------|---------------------|
| 1                         |      |      |      |      |       |      |      |       | 6.1 |      |      | 1                   |
| 2                         |      |      |      |      |       |      |      |       |     |      |      | 2                   |
| 3                         |      |      |      | 17.4 |       |      |      |       |     |      |      | 3                   |
| 4                         |      |      |      |      |       |      |      |       |     |      |      | 4                   |
| 5                         |      |      |      |      |       |      | 17.1 |       |     |      |      | 5                   |
| 6                         |      |      |      |      |       |      | 16.1 |       |     |      |      | 6                   |
| 7                         |      |      |      |      |       |      | 6.2  |       |     |      |      | 7                   |
| 8                         |      |      |      |      |       |      |      |       |     |      |      | 8                   |
| 9                         |      |      |      |      |       |      |      |       |     |      | 16.2 | 9                   |
| 10                        |      |      |      |      |       |      |      |       |     |      |      | 10                  |
| 11                        |      |      |      |      |       |      |      |       |     |      |      | 11                  |
| 12                        |      |      |      |      |       |      |      |       |     |      |      | 12                  |
| 13                        |      |      |      |      |       |      |      |       |     |      |      | 13                  |
| 14                        |      |      |      | 4.4  |       |      |      |       |     |      |      | 14                  |
| 15                        |      |      |      |      | 42.5  |      |      | 15.4  |     |      |      | 15                  |
| 16                        |      |      |      |      |       |      |      |       |     |      |      | 16                  |
| 17                        |      |      |      |      |       |      |      |       |     |      |      | 17                  |
| 18                        |      |      |      | 15.4 |       | 72.0 |      |       |     |      |      | 18                  |
| 19                        |      |      |      | 72.1 | 21.5  |      |      |       |     |      |      | 19                  |
| 20                        |      |      |      |      | 7.5   |      |      |       |     |      |      | 20                  |
| 21                        |      | 14.5 |      |      |       | 37.4 |      | 15.0  |     |      |      | 21                  |
| 22                        |      |      |      | 11.4 | 14.4  |      | 8.1  | 17.0  |     |      |      | 22                  |
| 23                        |      |      |      |      |       |      | 8.5  | 16.5  |     |      |      | 23                  |
| 24                        |      |      |      |      |       | 71.6 |      |       |     |      |      | 24                  |
| 25                        |      | 7.3  |      |      |       | 5.2  |      | 2.5   |     |      |      | 25                  |
| 26                        |      | 5.3  |      |      |       | 3.1  |      |       |     |      |      | 26                  |
| 27                        | 2.0  |      |      |      | 17.1  |      |      |       |     |      |      | 27                  |
| 28                        | 7.0  |      |      |      |       |      |      |       |     |      |      | 28                  |
| 29                        |      |      | 13.7 |      | 15.9  |      |      |       |     |      |      | 29                  |
| 30                        |      |      |      |      |       |      |      |       |     |      |      | 30                  |
| 31                        |      |      |      |      |       |      |      |       |     |      |      | 31                  |
| TOT                       | 11.5 | 27.4 | 21.3 | 16.4 | 137.5 | 75.7 | 13.5 | 34.4  | 5.1 | 2.0  | 0.4  | 16.8                |
| OBSERVATIONS HYDRAULIQUES |      |      |      |      |       |      |      |       |     |      |      | TOTAL ANNUEL= 106.0 |
| ENK = 112                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112   | 112 | 112  | 112  | 112                 |
| N J                       | 2    | 4    | 4    | 5    | 2     | 5    | 7    | 5     | 1   | 0    | 1    | 1 45                |

STATION 35780

SEJFJANK DEVERSOIR

ANNEE 1921/1922

LAT= 45GR.17 75

LONG= 7GR.57 55

ALTA 135 M

|                           | SEPT | OCTO | NOV  | DECE  | JANV  | FEBV  | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT                |
|---------------------------|------|------|------|-------|-------|-------|------|-------|------|------|------|---------------------|
| 1                         |      |      |      |       |       |       |      |       |      |      |      | 1                   |
| 2                         |      |      |      |       |       |       |      |       |      |      |      | 2                   |
| 3                         |      |      |      | 7.5   |       |       |      |       |      |      |      | 3                   |
| 4                         |      |      |      |       |       |       |      |       |      |      |      | 4                   |
| 5                         |      |      |      | 7.0   |       |       |      |       |      |      |      | 5                   |
| 6                         |      |      |      |       |       |       | 40.5 |       |      |      |      | 6                   |
| 7                         |      |      |      |       |       |       |      |       |      |      |      | 7                   |
| 8                         |      |      |      |       |       |       |      |       |      |      |      | 8                   |
| 9                         |      |      |      | 4.5   |       |       | 23.5 |       |      |      |      | 9                   |
| 10                        |      |      |      |       |       |       |      |       | 23.0 |      |      | 10                  |
| 11                        |      |      |      |       |       |       |      |       |      |      |      | 11                  |
| 12                        |      |      |      |       |       |       |      |       |      |      |      | 12                  |
| 13                        |      |      |      |       |       |       |      |       |      |      |      | 13                  |
| 14                        |      |      |      |       |       |       |      |       |      |      |      | 14                  |
| 15                        |      |      |      |       | 13.5  |       |      | 11.2  |      |      |      | 15                  |
| 16                        |      |      |      |       |       | 36.0  |      |       |      |      |      | 16                  |
| 17                        |      |      |      |       |       | 21.0  |      |       |      |      |      | 17                  |
| 18                        |      |      |      |       |       |       |      |       |      |      |      | 18                  |
| 19                        |      |      |      |       | 29.5  | 17.0  |      | 21.5  |      |      |      | 19                  |
| 20                        |      |      |      |       | 48.5  | 5.5   |      | 27.5  |      |      |      | 20                  |
| 21                        |      |      |      |       |       | 6.5   |      | 25.0  |      |      |      | 21                  |
| 22                        |      |      |      |       |       | 30.0  | 14.5 |       |      |      |      | 22                  |
| 23                        |      | 11.5 |      | 22.0  | 23.0  | 2.5   | 9.5  |       |      |      |      | 23                  |
| 24                        |      |      |      |       |       | 24.6  | 1.5  |       |      |      |      | 24                  |
| 25                        |      |      | 19.5 |       | 29.0  | 11.5  |      |       |      |      |      | 25                  |
| 26                        |      | 3.5  |      | 10.3  | 5.5   | 5.2   |      |       |      |      |      | 26                  |
| 27                        |      | 11.5 |      |       | 32.0  | 9.1   |      |       |      |      |      | 27                  |
| 28                        | 8.0  | 13.7 |      | 1.5   | 37.0  |       |      |       |      |      |      | 28                  |
| 29                        | 9.0  |      |      | 21.0  | 19.5  |       |      |       |      |      |      | 29                  |
| 30                        |      |      |      | 7.8   | 11.5  |       |      |       |      |      |      | 30                  |
| 31                        |      |      |      |       |       |       |      |       |      |      |      | 31                  |
| TOT                       | 17.0 | 39.5 | 33.5 | 136.3 | 246.5 | 123.2 | 24   | 42    | 23.0 | 0.0  | 0.3  | 20.3                |
| OBSERVATIONS HYDRAULIQUES |      |      |      |       |       |       |      |       |      |      |      | TOTAL ANNUEL= 112.0 |
| ENK = 112                 | 112  | 112  | 112  | 112   | 112   | 112   | 112  | 112   | 112  | 112  | 112  | 112                 |
| N J                       | 2    | 4    | 4    | 5     | 2     | 5     | 7    | 5     | 1    | 0    | 1    | 1 45                |



STATION 35782

SERJENANE INF PILOTT

ANNEE 1981/1982

LAT= 41GR.18 51

LONG= 7GR.56 66

ALT= 145 M

|     | SEPT | OCTO | NOVE | DECE  | JANV  | FEBV  | MARS  | AVRI  | MAI  | JUIN | JUIL | AOUT |
|-----|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|
| 1   | -    | -    | -    | 7     | -     | -     | -     | 5.0   | 1.0  | -    | -    | 1    |
| 2   | -    | -    | -    | 8.0   | -     | -     | -     | 1.9   | -    | -    | -    | 2    |
| 3   | -    | -    | -    | 20.3  | -     | -     | -     | -     | -    | -    | -    | 3    |
| 4   | -    | -    | -    | 7.0   | -     | -     | 4.0   | -     | -    | -    | -    | 4    |
| 5   | -    | -    | -    | 2.2   | -     | 7.3   | 41.0  | -     | -    | -    | -    | 5    |
| 6   | -    | -    | 5.0  | -     | -     | -     | 10.5  | 4.0   | -    | -    | -    | 6    |
| 7   | -    | -    | 2.5  | -     | -     | -     | 3.0   | -     | -    | -    | -    | 7    |
| 8   | -    | -    | -    | -     | -     | -     | 8.8   | -     | 7.9  | -    | -    | 8    |
| 9   | -    | -    | -    | -     | -     | -     | -     | -     | 10.5 | -    | -    | 9    |
| 10  | -    | -    | 1.9  | -     | -     | -     | -     | -     | 1.1  | -    | -    | 10   |
| 11  | -    | -    | -    | -     | -     | -     | -     | -     | 6.3  | -    | -    | 11   |
| 12  | -    | -    | 1.4  | -     | -     | -     | -     | -     | -    | -    | -    | 12   |
| 13  | -    | -    | 1.5  | -     | -     | -     | -     | 3.2   | -    | -    | -    | 13   |
| 14  | -    | -    | 1.5  | 15.3  | -     | -     | -     | 11.0  | -    | -    | -    | 14   |
| 15  | -    | -    | 5    | -     | 21.0  | -     | -     | 3.5   | -    | -    | 2    | 15   |
| 16  | -    | -    | -    | -     | -     | 20.5  | -     | -     | -    | -    | -    | 16   |
| 17  | -    | -    | -    | -     | -     | 7.5   | 5     | -     | -    | -    | -    | 17   |
| 18  | -    | -    | -    | 7.0   | 16.0  | 7.0   | 3.5   | 17.5  | -    | -    | -    | 18   |
| 19  | -    | -    | -    | 44.0  | 1.5   | -     | -     | 26.0  | -    | -    | -    | 19   |
| 20  | -    | -    | -    | -     | 5.5   | 13.0  | 2.0   | 28.0  | -    | -    | -    | 20   |
| 21  | -    | -    | -    | -     | 29.5  | 35.5  | 16.0  | 1.4   | -    | -    | -    | 21   |
| 22  | -    | 13.0 | -    | 19.0  | 29.0  | 4.5   | 8.0   | -     | -    | -    | -    | 22   |
| 23  | -    | 7    | -    | 5.5   | 32.0  | 15.0  | 1.7   | -     | -    | -    | -    | 23   |
| 24  | 1.0  | 4.5  | 1.2  | 1.5   | 6.0   | 14.0  | -     | -     | -    | -    | -    | 24   |
| 25  | -    | -    | 17.0 | 4.2   | 11.0  | 7.0   | -     | 7.0   | -    | -    | -    | 25   |
| 26  | -    | 9.0  | 2.5  | 2.2   | 26.0  | 8.0   | -     | -     | -    | -    | -    | 26   |
| 27  | 12.5 | 14.0 | -    | -     | 28.5  | -     | -     | 1.8   | -    | -    | -    | 27   |
| 28  | 6.2  | 5    | 5.5  | -     | 25.0  | -     | -     | 1.2   | -    | -    | -    | 28   |
| 29  | -    | -    | 24.0 | -     | 8.0   | -     | 7.5   | 1     | -    | -    | 2.5  | 29   |
| 30  | -    | -    | 12.0 | -     | 5     | -     | 8.0   | 9.0   | -    | -    | -    | 30   |
| 31  | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | 31   |
| TOT | 25.5 | 43.5 | 76.3 | 156.9 | 246.5 | 133.5 | 114.5 | 118.5 | 26.3 | 0.0  | 1.1  | 27.0 |

OBSERVATEUR= KHEMAIS BACCOUFI

TOTAL ANNUEL= 257.6

|           |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CON = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| N J       | 6   | 13  | 13  | 14  | 11  | 13  | 15  | 5   | 0   | 2   | 5   | 99  |

STATION 35982

SIRI ANNEE SM EIZENTE

ANNEE 1981/1982

LAT= 41GR.37 00

LONG= 6GR.27 20

ALT= 8 M

|     | SEPT | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
|-----|------|------|------|------|-------|------|------|------|------|------|------|------|
| 1   | -    | -    | 6    | 5.1  | -     | -    | -    | 1.3  | 1    | -    | -    | 1    |
| 2   | -    | -    | -    | 7.8  | -     | -    | 1.0  | 2    | -    | -    | -    | 2    |
| 3   | -    | -    | -    | 18.7 | -     | -    | -    | -    | -    | -    | -    | 3    |
| 4   | -    | -    | -    | 1.0  | -     | -    | -    | -    | -    | -    | -    | 4    |
| 5   | -    | -    | -    | 2.1  | -     | 1.0  | 19.8 | -    | -    | -    | -    | 5    |
| 6   | 4.3  | -    | 2.2  | -    | -     | -    | 12.9 | 1.2  | -    | -    | -    | 6    |
| 7   | -    | -    | 3    | -    | -     | -    | 0    | -    | -    | -    | -    | 7    |
| 8   | -    | -    | 1    | -    | -     | -    | 1.7  | -    | 5.3  | -    | -    | 8    |
| 9   | -    | -    | -    | -    | -     | -    | 2    | -    | 14.1 | -    | -    | 9    |
| 10  | -    | -    | 3.9  | 4    | -     | -    | -    | -    | 1.2  | -    | -    | 10   |
| 11  | -    | -    | -    | -    | -     | -    | -    | -    | 13.1 | -    | -    | 11   |
| 12  | -    | -    | -    | -    | -     | -    | -    | -    | 7    | -    | -    | 12   |
| 13  | -    | -    | 1.7  | -    | -     | 1.7  | -    | 7.6  | -    | -    | -    | 13   |
| 14  | -    | -    | 5    | 4.3  | -     | 2.8  | -    | 5.3  | -    | -    | -    | 14   |
| 15  | -    | -    | -    | -    | 34.7  | -    | -    | 9.6  | -    | -    | -    | 15   |
| 16  | -    | -    | -    | -    | 2     | 1    | -    | -    | -    | -    | -    | 16   |
| 17  | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | 17   |
| 18  | -    | -    | -    | 6.8  | 11.5  | -    | -    | 14.2 | -    | -    | -    | 18   |
| 19  | -    | -    | -    | 35.7 | 5.0   | -    | 7.8  | 1.7  | -    | -    | -    | 19   |
| 20  | -    | 1.0  | -    | 1.4  | -     | 1.8  | 4.8  | 25.2 | -    | -    | -    | 20   |
| 21  | -    | -    | -    | -    | 14.3  | 28.7 | 15.0 | 4.0  | -    | -    | -    | 21   |
| 22  | -    | 12.7 | -    | 9.4  | 2.0   | 4    | 6    | -    | -    | -    | -    | 22   |
| 23  | 3    | 7.5  | -    | 4    | 4.0   | -    | 7    | -    | -    | -    | -    | 23   |
| 24  | 1.0  | 1.1  | -    | 5    | 7.1   | 11.7 | 5    | 4    | -    | -    | -    | 24   |
| 25  | -    | 7    | -    | 9    | 4.4   | 1.1  | 3.2  | 3.9  | -    | -    | -    | 25   |
| 26  | -    | 9.9  | 5.1  | 4.9  | 9.8   | 3.2  | -    | 1.0  | -    | -    | -    | 26   |
| 27  | 4    | 10.2 | -    | 2    | 10.5  | -    | -    | -    | -    | -    | -    | 27   |
| 28  | 9.1  | 1.6  | 9.7  | -    | 2.8   | -    | -    | 2    | -    | -    | -    | 28   |
| 29  | -    | -    | 5.5  | -    | 3     | -    | 5.3  | -    | -    | -    | -    | 29   |
| 30  | -    | -    | 2.9  | -    | -     | -    | 6.4  | 4.9  | -    | -    | -    | 30   |
| 31  | -    | -    | -    | -    | -     | -    | 1    | -    | -    | -    | -    | 31   |
| TOT | 16.3 | 37.4 | 27.4 | 59.6 | 104.6 | 54.6 | 76.0 | 75.9 | 37.7 | 0.1  | 0.3  | 7.7  |

OBSERVATEUR= KAROUANI HOUMER

TOTAL ANNUEL= 515.6



| LAT= 4104.48 10      |      |      |      | LONG= 86.15 42 |       |      |      | ALT= 12 M |      |     |               |       |
|----------------------|------|------|------|----------------|-------|------|------|-----------|------|-----|---------------|-------|
| SEPT                 | OCTO | NOV  | DECE | JANU           | FEBR  | MARS | APR  | MAY       | JUN  | JUL | AUG           |       |
| 1                    |      |      | 3.5  |                |       |      |      |           |      |     | 1             |       |
| 2                    |      |      | 4.8  |                |       |      |      |           |      |     | 2             |       |
| 3                    |      |      | 12.3 |                |       |      |      |           |      |     | 3             |       |
| 4                    |      |      | 10.6 |                |       |      |      |           |      |     | 4             |       |
| 5                    |      |      |      |                | 2.4   | 24.5 |      |           |      |     | 5             |       |
| 6                    | 6.1  |      | 4.8  |                |       | 2.9  |      |           |      |     | 6             |       |
| 7                    |      |      | 3.5  | .5             |       |      |      |           |      |     | 7             |       |
| 8                    |      |      |      |                |       | 1.2  |      | 5.4       |      |     | 8             |       |
| 9                    |      |      |      |                |       |      |      | 14.2      |      |     | 9             |       |
| 10                   | 1    |      | 2.7  |                |       |      |      | 3.0       |      |     | 10            |       |
| 11                   |      |      |      |                |       |      |      | 4.8       |      |     | 11            |       |
| 12                   |      |      |      |                |       |      |      |           |      |     | 12            |       |
| 13                   |      |      | 3.6  |                |       |      | 8.4  |           |      |     | 13            |       |
| 14                   |      |      |      |                |       |      | 19.0 |           |      |     | 14            |       |
| 15                   |      |      |      | 50.7           |       |      | 7.6  |           |      |     | 15            |       |
| 16                   |      |      | .4   |                | 2.3   |      | .0   |           |      |     | 16            |       |
| 17                   |      |      |      |                |       |      | .0   |           |      |     | 17            |       |
| 18                   |      |      | 14.4 | 12.1           | .6    |      | 25.4 |           |      |     | 18            |       |
| 19                   |      |      | 12.7 | 5.1            |       |      | 27.3 |           |      |     | 19            |       |
| 20                   |      |      |      | .2             | 8.5   | 1.3  | 18.0 |           |      |     | 20            |       |
| 21                   |      |      |      | 2.3            | 10.4  | .5   | 8.6  |           |      |     | 21            |       |
| 22                   |      | 16.5 | 5.7  | 7.3            |       |      |      |           |      |     | 22            |       |
| 23                   |      | 6.3  | 12.7 | .9             | 10.2  | 1.3  |      |           |      |     | 23            |       |
| 24                   |      | 2.5  | 7.9  | 13.2           | 1.7   |      |      |           |      |     | 24            |       |
| 25                   |      |      | .7   | 2.3            | 24.5  | 1.4  | 3.2  | 4.8       |      |     | 25            |       |
| 26                   |      | 2.0  | 5.4  | 3.8            | 9.7   |      |      |           |      |     | 26            |       |
| 27                   | 3.9  | 6.3  | 2.7  | 37.7           |       |      |      |           |      |     | 27            |       |
| 28                   | 15.9 |      | 18.6 | 5.7            |       |      |      |           |      |     | 28            |       |
| 29                   |      |      |      |                |       | 1.0  |      |           |      |     | 29            |       |
| 30                   |      |      | 1.6  |                |       | 7.8  |      |           |      |     | 30            |       |
| 31                   |      |      |      |                |       |      |      |           |      |     | 31            |       |
| TOT                  | 23.9 | 29.3 | 39.2 | 92.2           | 171.0 | 97.7 | 45.6 | 110.1     | 25.4 | 0.0 | 0.3           | 5.0   |
| OBSERVATION= MOHAMED |      |      |      |                |       |      |      |           |      |     | TOTAL ANNUAL= | 533.9 |
| COM #                | 112  | 112  | 112  | 112            | 112   | 112  | 112  | 112       | 112  | 112 | 112           |       |
| M #                  | 3    | 5    | 7    | 15             | 12    | 5    | 9    | 8         | 4    | 0   | 2             | 72    |

[illegible]



| STATION 36630            |      | SIDE SALEM      |      |       |       | ANNEE 1981/1982 |       |            |      |           |      |      |                    |
|--------------------------|------|-----------------|------|-------|-------|-----------------|-------|------------|------|-----------|------|------|--------------------|
|                          |      | LAT= 48°42' 20" |      |       |       | LONG=           |       | 86°53' 53" |      | ALT= 28 M |      |      |                    |
| SEPT                     | OCTO | NOV             | DECE | JANV  | FEBV  | MARS            | AVRIL | MAI        | JUIN | JUIL      | AOUT |      |                    |
| 1                        |      |                 | 1.1  |       |       |                 |       | 6.5        |      |           |      |      | 1                  |
| 2                        |      |                 | 3.7  |       |       |                 | 4.4   | 8          |      |           |      |      | 2                  |
| 3                        |      |                 | 1.2  |       |       |                 |       |            |      |           |      |      | 3                  |
| 4                        |      |                 | 8.4  |       |       |                 |       |            |      |           |      |      | 4                  |
| 5                        |      |                 | 3.8  |       |       |                 |       |            |      |           |      |      | 5                  |
| 6                        |      |                 |      |       |       | 17.5            |       |            |      |           |      |      | 6                  |
| 7                        |      | 1.4             |      |       |       | 23.3            | 1.4   |            |      |           |      |      | 7                  |
| 8                        |      | 1.1             |      |       |       | 2.1             |       |            |      |           |      |      | 8                  |
| 9                        |      |                 |      |       |       | 6               |       | 6.4        |      |           |      |      | 9                  |
| 10                       |      |                 |      |       |       |                 |       | 13.3       |      |           |      |      | 10                 |
| 11                       |      |                 | 5    |       |       |                 |       | 1.8        |      |           |      |      | 11                 |
| 12                       |      |                 |      |       |       |                 |       |            |      |           |      |      | 12                 |
| 13                       |      |                 |      |       |       |                 |       |            |      |           |      |      | 13                 |
| 14                       |      |                 |      |       |       |                 | 2.5   |            |      |           |      |      | 14                 |
| 15                       |      |                 | 14.8 |       |       |                 | 10.4  |            |      |           |      |      | 15                 |
| 16                       |      |                 |      | 44.4  |       |                 | 2.0   |            |      |           |      |      | 16                 |
| 17                       |      |                 |      |       |       |                 |       |            |      |           |      |      | 17                 |
| 18                       |      |                 |      |       | 6.0   |                 |       |            |      |           |      |      | 18                 |
| 19                       |      |                 | 14.6 | 17.3  |       | 1.3             | 19.6  |            |      |           |      |      | 19                 |
| 20                       |      |                 | 56.5 | 4.3   | 1.0   |                 | 21.7  |            |      |           |      |      | 20                 |
| 21                       |      |                 |      | 5.9   | 25.4  | 72.0            | 7.3   |            |      |           |      |      | 21                 |
| 22                       |      |                 |      | 2.9   | 2.0   | 4.1             | 5.5   |            |      |           |      |      | 22                 |
| 23                       | 6.0  |                 | 10.1 | 5.4   | 4.8   | 5               |       |            |      |           |      |      | 23                 |
| 24                       |      |                 |      | 5.4   | 12.7  | 2               |       |            |      |           |      |      | 24                 |
| 25                       | 5.7  |                 | 1.7  | 17.6  | 4     | 2               |       |            |      |           |      |      | 25                 |
| 26                       |      | 5.4             | 2.4  | 5     | 4.1   |                 |       |            |      |           |      |      | 26                 |
| 27                       | 12.5 | 2.6             | 4.7  | 12.8  |       |                 |       |            |      |           |      |      | 27                 |
| 28                       | 4.1  |                 |      | 22.9  |       |                 |       |            |      |           |      |      | 28                 |
| 29                       | 21.2 | 10.5            |      | 5.8   |       |                 |       |            |      |           |      |      | 29                 |
| 30                       |      | 11.3            |      | 4.0   |       | 3.8             |       |            |      |           |      |      | 30                 |
| 31                       |      |                 |      |       |       | 6.4             |       |            |      |           |      |      | 31                 |
| TOT                      | 25.8 | 24.3            | 33.5 | 120.6 | 149.7 | 98.8            | 102.0 | 74.3       | 23.8 | 0.0       | 0.3  | 15.3 |                    |
| OBSERVATEUR: HANSDU SAIN |      |                 |      |       |       |                 |       |            |      |           |      |      | TOTAL ANNEE= 633.3 |
| COU                      | 112  | 112             | 112  | 112   | 112   | 112             | 112   | 112        | 112  | 112       | 112  | 158  |                    |
| N                        | 2    | 4               | 8    | 12    | 13    | 8               | 12    | 9          | 5    | 0         | 0    | 44   |                    |

| STATION 36717       |      | SIBI YAMIA SE |      |       | ANNEX 1981/1982 |      |      |           |      |      |      |  |
|---------------------|------|---------------|------|-------|-----------------|------|------|-----------|------|------|------|--|
| LAT= 41SR.29 50     |      |               |      |       | LONG= 86R.29 70 |      |      | ALT= 65 M |      |      |      |  |
| SEPT                | OCTO | NOVE          | DECE | JANV  | FEBV            | MARS | AVRI | MAI       | JUIN | JUIL | AOUT |  |
| 1                   | .    | .             | 5.2  | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 2                   | .    | .             | 2.2  | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 3                   | .    | .             | 3.6  | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 4                   | .    | .             | 22.1 | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 5                   | .    | .             | 2.7  | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 6                   | .    | .             | .    | .     | .               | 19.0 | .    | .         | .    | .    | .    |  |
| 7                   | 2.3  | .             | 1.3  | .     | .               | 3    | .    | .         | .    | .    | .    |  |
| 8                   | .    | .             | .    | .     | .               | 6.7  | .    | .         | .    | .    | .    |  |
| 9                   | .    | .             | .    | .     | .               | 1.1  | .    | 10.3      | .    | .    | .    |  |
| 10                  | .    | .             | .    | .     | .               | .    | .    | 15.5      | .    | .    | .    |  |
| 11                  | .    | .             | 3.1  | .     | .               | .    | .    | 2.0       | .    | .    | .    |  |
| 12                  | .    | .             | .    | .     | .               | .    | .    | 9.2       | .    | .    | .    |  |
| 13                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 14                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 15                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 16                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 17                  | .    | .             | .    | 47.0  | .               | .    | .    | .         | .    | .    | .    |  |
| 18                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 19                  | .    | .             | .    | 10.6  | 11.0            | .    | .    | 15.6      | .    | .    | .    |  |
| 20                  | .    | .             | .    | 7.8   | .               | .    | .    | 17.8      | .    | .    | .    |  |
| 21                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 22                  | .    | .             | 32.7 | 1.3   | 27.5            | 12.0 | 19.2 | .         | .    | .    | .    |  |
| 23                  | .    | 10.6          | .    | 11.0  | .               | 3.0  | .    | .         | .    | .    | .    |  |
| 24                  | .    | .             | 9.0  | 2.3   | .               | .    | .    | .         | .    | .    | .    |  |
| 25                  | .    | .             | .    | 3.4   | 3.7             | 8    | .    | .         | .    | .    | .    |  |
| 26                  | .    | .             | .    | 4.2   | 4.1             | 12.0 | .    | .         | .    | .    | .    |  |
| 27                  | .    | 14.0          | 2.1  | 2.2   | .               | 8    | .    | .         | .    | .    | .    |  |
| 28                  | .    | 1.4           | .    | 7.5   | 6.2             | .    | .    | .         | .    | .    | .    |  |
| 29                  | .    | 10.3          | .    | 24.0  | .               | .    | .    | .         | .    | .    | .    |  |
| 30                  | .    | .             | .    | .     | .               | .    | .    | .         | .    | .    | .    |  |
| 31                  | .    | .             | 5.2  | .     | .               | 3.3  | .    | .         | .    | .    | .    |  |
| TOT                 | 7.1  | 36.6          | 12.5 | 161.1 | 126.7           | 42.2 | 71.3 | 57.4      | 37.5 | 0.0  | 0.0  |  |
| OBSERVATEUR= CHERIF |      |               |      |       |                 |      |      |           |      |      |      |  |
| TOTAL ANNEE= 662.0  |      |               |      |       |                 |      |      |           |      |      |      |  |



|                           |      | LAT= 4140.D2 45 |      | LONG= 70N.31 48 |       | ALT=  |      | SR =  |      |     |     |               |       |
|---------------------------|------|-----------------|------|-----------------|-------|-------|------|-------|------|-----|-----|---------------|-------|
|                           | SEPT | OCTO            | NOV  | DECE            | JANV  | FEBV  | MARS | APR   | MAY  | JUN | JUL | AUG           |       |
| 1                         | 1.5  |                 | 4    | 31.5            | -     | -     | -    | 2.0   | 2.7  | -   | -   | 1             |       |
| 2                         |      |                 |      | 4.2             | -     | -     | -    | 4.2   | -    | -   | -   | 2             |       |
| 3                         |      |                 |      | 14.2            | -     | -     | -    | -     | -    | -   | -   | 3             |       |
| 4                         |      |                 |      | 22.7            | -     | -     | 6    | -     | -    | -   | -   | 4             |       |
| 5                         |      |                 |      | 12.8            | -     | 7     | 29.5 | -     | -    | -   | -   | 5             |       |
| 6                         |      |                 | 9    | 3               | -     | -     | 17.2 | 1.8   | -    | -   | -   | 6             |       |
| 7                         |      |                 | 6.2  | -               | -     | -     | 4.8  | -     | -    | -   | -   | 7             |       |
| 8                         |      |                 | 8    | -               | -     | -     | 9.0  | -     | 5.5  | -   | -   | 8             |       |
| 9                         |      |                 |      | -               | -     | -     | -    | -     | 22.1 | -   | -   | 9             |       |
| 10                        |      |                 | 9.5  | -               | -     | -     | -    | -     | 2.0  | -   | -   | 10            |       |
| 11                        |      |                 |      | -               | -     | -     | -    | -     | 7.8  | -   | -   | 11            |       |
| 12                        |      |                 | 4    | -               | -     | -     | -    | -     | -    | -   | -   | 12            |       |
| 13                        |      |                 | 9    | -               | -     | -     | -    | -     | -    | -   | -   | 13            |       |
| 14                        |      |                 | 8    | 3               | -     | -     | -    | 7.6   | -    | -   | -   | 14            |       |
| 15                        |      |                 | 4.4  | -               | 8.5   | -     | -    | 2.3   | -    | -   | -   | 15            |       |
| 16                        |      |                 |      | -               | 5     | 12.7  | -    | -     | -    | -   | -   | 16            |       |
| 17                        |      |                 |      |                 |       | 24.1  | -    | -     | -    | -   | -   | 17            |       |
| 18                        |      |                 |      | 13.6            | 24.3  | 1.8   | 1.8  | 9.2   | -    | -   | -   | 18            |       |
| 19                        |      |                 | 3    | 42.3            | 2.8   | -     | -    | 50.2  | -    | -   | -   | 19            |       |
| 20                        |      | 1.2             |      |                 | 1.2   | 15.5  | 2.5  | 7.8   | -    | -   | -   | 20            |       |
| 21                        |      |                 |      | 4               | 8.3   | 41.2  | 12.8 | 14.4  | -    | -   | -   | 21            |       |
| 22                        |      | 3.5             |      | 14.2            | 19.2  | 4.5   | 4.4  | -     | -    | -   | -   | 22            |       |
| 23                        |      | 1.3             |      | 1.2             | 17.0  | 15.8  | 1.9  | -     | -    | -   | -   | 23            |       |
| 24                        | 5    | 5.2             |      | 3.3             | 18.1  | 26.4  | 6    | 1.7   | -    | -   | -   | 24            |       |
| 25                        |      | 1.4             | 6.9  | 3.9             | 12.3  | 1.2   | -    | 6.2   | -    | -   | -   | 25            |       |
| 26                        |      | 17.5            | 5.5  | 1.5             | 22.5  | 14.4  | -    | 9.2   | -    | -   | 2.4 | 26            |       |
| 27                        | 25.0 | 4.1             |      |                 | 24.2  | 5     | -    | -     | -    | -   | -   | 27            |       |
| 28                        | 14.6 |                 | 17.2 |                 | 29.8  | -     | -    | 3.3   | -    | -   | -   | 28            |       |
| 29                        |      |                 | 7.4  |                 | 3.8   | -     | 5.3  | -     | -    | -   | -   | 29            |       |
| 30                        |      |                 |      |                 | 5.7   | -     | 6.5  | -     | -    | -   | -   | 30            |       |
| 31                        |      |                 |      |                 |       | -     | 2    | -     | -    | -   | -   | 31            |       |
| TOT                       | 61.6 | 34.2            | 57.3 | 168.4           | 200.7 | 155.2 | 97.1 | 115.4 | 40.1 | 3.0 | 2.4 | 20.9          |       |
| OBSERVATIONS FROM REMOVED |      |                 |      |                 |       |       |      |       |      |     |     | TOTAL ANNUAL= | 235.5 |
| CON =                     | 112  | 112             | 112  | 112             | 112   | 112   | 112  | 117   | 112  | 112 | 112 | 112           |       |
| N J                       | 6    | 7               | 13   | 13              | 15    | 15    | 16   | 13    | 5    | 0   | 1   | 3 132         |       |

[illegible]







STATION 37325

TAMERA MINE

ANNEE 1981/1982

69

|                       |      | LAT= 41GR.17 00 |      | LONG= 7GR.47 00 |       | ALT= 131 M |       |      |      |      |      |      |                     |
|-----------------------|------|-----------------|------|-----------------|-------|------------|-------|------|------|------|------|------|---------------------|
|                       | SEPT | OCTO            | NOVE | DECE            | JANV  | FEBV       | MARS  | AVRI | MAI  | JUIN | JUIL | AOUT |                     |
| 1                     |      |                 |      | 8.4             |       |            |       | 10.4 |      |      |      |      | 1                   |
| 2                     |      |                 |      | 10.2            |       |            |       |      |      |      |      |      | 2                   |
| 3                     |      |                 |      | 21.1            |       |            |       |      |      |      |      |      | 3                   |
| 4                     |      |                 |      | 22.0            |       |            |       |      |      |      |      |      | 4                   |
| 5                     |      |                 |      |                 |       | 6.0        | 53.4  |      |      |      |      |      | 5                   |
| 6                     |      |                 |      |                 |       |            | 21.2  |      |      |      |      |      | 6                   |
| 7                     |      |                 | 12.6 |                 |       |            | 3.7   |      |      |      |      |      | 7                   |
| 8                     |      |                 |      |                 |       |            | 16.5  |      |      |      |      |      | 8                   |
| 9                     |      |                 |      |                 |       |            |       |      |      |      |      |      | 9                   |
| 10                    |      |                 | 3.2  |                 |       |            |       |      |      |      |      |      | 10                  |
| 11                    |      |                 |      |                 |       |            |       |      |      |      |      | 11.2 | 11                  |
| 12                    |      |                 |      |                 |       |            |       |      |      |      |      |      | 12                  |
| 13                    |      |                 |      |                 |       |            |       |      |      |      |      |      | 13                  |
| 14                    |      |                 |      | 19.6            |       |            |       | 8.0  |      |      |      |      | 14                  |
| 15                    |      |                 |      |                 |       |            |       |      |      |      |      |      | 15                  |
| 16                    |      |                 |      |                 |       |            |       |      |      |      |      |      | 16                  |
| 17                    |      |                 |      |                 |       | 26.2       |       |      |      |      |      |      | 17                  |
| 18                    |      |                 |      | 70.2            | 12.0  |            |       | 11.2 |      |      |      |      | 18                  |
| 19                    |      |                 |      | 12.0            | 16.3  | 3.4        |       | 32.0 |      |      |      |      | 19                  |
| 20                    |      |                 |      |                 | 12.1  | 23.4       | 20.0  | 16.5 |      |      |      |      | 20                  |
| 21                    |      |                 |      |                 | 59.6  | 59.0       |       |      |      |      |      |      | 21                  |
| 22                    |      |                 |      | 16.0            | 41.8  | 32.2       | 5.2   |      |      |      |      |      | 22                  |
| 23                    |      | 7.0             |      | 13.2            | 39.4  | 24.0       |       |      |      |      |      |      | 23                  |
| 24                    |      |                 |      |                 | 12.3  | 10.0       |       |      |      |      |      |      | 24                  |
| 25                    |      |                 | 8.5  | 4.0             | 40.0  |            |       | 11.4 |      |      |      |      | 25                  |
| 26                    |      |                 |      |                 |       |            |       |      |      |      |      |      | 26                  |
| 27                    |      | 6.4             |      | 2.6             | 10.0  |            |       |      |      |      |      |      | 27                  |
| 28                    |      | 24.2            |      |                 | 22.4  |            |       |      |      |      |      |      | 28                  |
| 29                    |      |                 |      |                 | 15.0  |            |       |      |      |      |      |      | 29                  |
| 30                    |      |                 |      |                 | 11.0  |            |       |      |      |      |      |      | 30                  |
| 31                    |      |                 |      |                 |       |            | 10.0  | 5.5  |      |      |      |      | 31                  |
| TOT                   | 15.0 | 57.6            | **   | 196.9           | 236.1 | 194.8      | 128.0 | 95.0 | 20.0 | 0.0  | 0.0  | 11.2 |                     |
| OBSERVATEUR= NEM SAIR |      |                 |      |                 |       |            |       |      |      |      |      |      | TOTAL ANNEE= 422.22 |
| CMC = 058             | 112  | 132             | 112  | 112             | 112   | 112        | 112   | 112  | 058  | 112  | 112  | 112  |                     |
| N J                   | 4    | 3               | 4    | 11              | 12    | 6          | 7     | 7    | **   | 0    | 2    | 1    | 15                  |

STATION 37724

TINDJA MER SR

ANNEE 1981/1982

|                       |      | LAT= 41GR.50 20 |      | LONG= 0GR.26 52 |       | ALT= 3 M |      |      |      |      |      |      |                     |
|-----------------------|------|-----------------|------|-----------------|-------|----------|------|------|------|------|------|------|---------------------|
|                       | SEPT | OCTO            | NOVE | DECE            | JANV  | FEBV     | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |                     |
| 1                     |      |                 |      | 0.9             |       |          |      |      |      |      |      |      | 1                   |
| 2                     |      |                 |      |                 |       |          |      |      | 1.5  |      |      |      | 2                   |
| 3                     |      |                 |      | 7.0             |       |          |      |      |      |      |      |      | 3                   |
| 4                     |      |                 |      | 10.0            |       |          |      |      |      |      |      |      | 4                   |
| 5                     |      |                 |      | 6.4             |       |          |      |      |      |      |      |      | 5                   |
| 6                     |      |                 |      |                 |       | 3.8      | 18.5 |      |      |      |      |      | 6                   |
| 7                     |      |                 |      |                 |       |          | 7.2  | .8   |      |      |      |      | 7                   |
| 8                     |      |                 |      |                 |       |          |      |      |      |      |      |      | 8                   |
| 9                     |      |                 |      |                 |       |          | 1.0  |      | 9.5  |      |      | 5.5  | 9                   |
| 10                    |      |                 |      |                 |       |          |      |      | 16.5 |      |      |      | 10                  |
| 11                    |      |                 |      |                 |       |          |      |      |      |      |      |      | 11                  |
| 12                    |      |                 |      |                 |       |          |      |      | 12.5 |      |      |      | 12                  |
| 13                    |      |                 |      |                 |       |          |      |      |      |      |      |      | 13                  |
| 14                    |      |                 |      |                 |       |          |      |      |      |      |      |      | 14                  |
| 15                    |      |                 |      | 1.6             |       |          |      | 3.0  |      |      |      |      | 15                  |
| 16                    |      |                 |      |                 | 53.7  |          |      | 5.5  |      |      |      |      | 16                  |
| 17                    |      |                 |      |                 |       | 1.2      |      |      |      |      |      |      | 17                  |
| 18                    |      |                 |      |                 |       |          |      |      |      |      |      |      | 18                  |
| 19                    |      |                 |      |                 | 12.0  |          |      | 13.0 |      |      |      |      | 19                  |
| 20                    |      |                 |      |                 | 6.1   |          |      | 16.0 |      |      |      |      | 20                  |
| 21                    |      |                 |      |                 | 3.5   |          |      | 19.3 |      |      |      |      | 21                  |
| 22                    |      |                 |      |                 | 1.3   | 26.5     | 14.5 | 6.8  |      |      |      |      | 22                  |
| 23                    |      |                 |      |                 |       | 3.0      |      |      |      |      |      |      | 23                  |
| 24                    |      | 12.5            |      |                 | 4.0   | 7.2      |      |      |      |      |      |      | 24                  |
| 25                    |      | 1.5             |      |                 |       | 1.1      |      |      |      |      |      |      | 25                  |
| 26                    |      |                 | 1.2  |                 | 10.5  | 2.3      | .5   | .8   |      |      |      |      | 26                  |
| 27                    |      |                 |      |                 | 26.3  |          |      |      |      |      |      |      | 27                  |
| 28                    |      | 9.7             |      |                 |       |          |      |      |      |      |      |      | 28                  |
| 29                    | 3.0  | 7.1             |      | 4.5             |       |          |      |      |      |      |      |      | 29                  |
| 30                    | 11.9 |                 |      | 6.8             |       |          |      |      |      |      |      |      | 30                  |
| 31                    |      |                 |      | 5.0             |       |          |      |      |      |      |      |      | 31                  |
| TOT                   | 15.5 | 30.8            | 16.1 | **              | 100.9 | 45.7     | 48   | 45.2 | 38.3 | 0.0  | 0.0  | 5.6  |                     |
| OBSERVATEUR= TRABELSI |      |                 |      |                 |       |          |      |      |      |      |      |      | TOTAL ANNEE= 422.22 |
| CMC = 112             | 112  | 112             | 112  | 132             | 112   | 112      | 132  | 112  | 112  | 112  | 112  | 112  |                     |



| STATION 37726          |      |      | KINJA RESERVOIR |       |       | ANNEE 1951/1952   |      |      |           |     |      |              |       |
|------------------------|------|------|-----------------|-------|-------|-------------------|------|------|-----------|-----|------|--------------|-------|
|                        |      |      | LAT= 4°48.30' N |       |       | LONG= 76°45.30' E |      |      | ALT= 10 m |     |      |              |       |
| SEPT                   | OCTO | NOV  | DECE            | JANV  | FEBV  | MARS              | AVRI | MAI  | JUIN      | JUL | AOUT |              |       |
| 1                      |      |      |                 |       |       |                   |      |      |           |     |      | 1            |       |
| 2                      |      |      |                 |       |       |                   |      |      |           |     |      | 2            |       |
| 3                      |      |      |                 |       |       |                   |      |      |           |     |      | 3            |       |
| 4                      |      |      |                 |       |       |                   |      |      |           |     |      | 4            |       |
| 5                      |      |      |                 |       |       |                   |      |      |           |     |      | 5            |       |
| 6                      |      |      |                 |       |       |                   |      |      |           |     |      | 6            |       |
| 7                      | 1.2  |      |                 |       |       |                   |      |      |           |     |      | 7            |       |
| 8                      |      |      |                 |       |       |                   |      |      |           |     |      | 8            |       |
| 9                      |      |      |                 |       |       |                   |      |      |           |     |      | 9            |       |
| 10                     |      |      |                 |       |       |                   |      | 14.2 |           |     |      | 10           |       |
| 11                     |      |      |                 |       |       |                   |      | 1.2  |           |     |      | 11           |       |
| 12                     |      |      |                 |       |       |                   |      | 15.0 |           |     |      | 12           |       |
| 13                     |      |      |                 |       |       |                   |      |      |           |     |      | 13           |       |
| 14                     |      |      |                 |       |       |                   |      |      |           |     |      | 14           |       |
| 15                     |      |      |                 |       |       |                   |      |      |           |     |      | 15           |       |
| 16                     |      |      |                 |       | 23.0  |                   |      |      |           |     |      | 16           |       |
| 17                     |      |      |                 |       |       |                   |      |      |           |     |      | 17           |       |
| 18                     |      |      |                 |       |       |                   |      |      |           |     |      | 18           |       |
| 19                     |      |      |                 |       | 10.3  |                   |      | 11.4 |           |     |      | 19           |       |
| 20                     |      |      |                 |       | 10.6  |                   |      | 15.0 |           |     |      | 20           |       |
| 21                     |      |      |                 |       |       |                   |      |      |           |     |      | 21           |       |
| 22                     |      |      |                 |       |       |                   |      |      |           |     |      | 22           |       |
| 23                     |      |      |                 |       |       |                   |      |      |           |     |      | 23           |       |
| 24                     |      |      |                 |       |       |                   |      |      |           |     |      | 24           |       |
| 25                     |      |      |                 |       |       |                   |      |      |           |     |      | 25           |       |
| 26                     |      |      |                 |       |       |                   |      |      |           |     |      | 26           |       |
| 27                     |      |      |                 |       |       |                   |      |      |           |     |      | 27           |       |
| 28                     |      |      |                 |       |       |                   |      |      |           |     |      | 28           |       |
| 29                     |      |      |                 |       |       |                   |      |      |           |     |      | 29           |       |
| 30                     |      |      |                 |       |       |                   |      |      |           |     |      | 30           |       |
| 31                     |      |      |                 |       |       |                   |      |      |           |     |      | 31           |       |
| TOT                    | 21.5 | 24.3 | 14.1            | 104.0 | 110.9 | 40.4              | 58.2 | 50.3 | 40.1      | 0.0 | 0.3  | 5.0          |       |
| OBSERVATIONS OUTAS ALT |      |      |                 |       |       |                   |      |      |           |     |      | TOTAL ANNUEL | 534.2 |
| COM                    | 112  | 112  | 117             | 117   | 112   | 112               | 112  | 117  | 117       | 058 | 018  | 355          |       |
| N J                    | 5    | 5    | 5               | 15    | 11    | 5                 | 10   | 5    | 6         | 4   | 6    | 14           |       |

| STATION 38282            |      |      | ZOUARA          |       |       | ANNEE 1951/1952  |       |      |           |     |      |              |       |
|--------------------------|------|------|-----------------|-------|-------|------------------|-------|------|-----------|-----|------|--------------|-------|
|                          |      |      | LAT= 41°13' 40" |       |       | LONG= 76°45' 50" |       |      | ALT= 15 m |     |      |              |       |
| SEPT                     | OCTO | NOV  | DECE            | JANV  | FEBV  | MARS             | AVRI  | MAI  | JUIN      | JUL | AOUT |              |       |
| 1                        |      |      |                 |       |       |                  |       | 1.0  |           |     |      | 1            |       |
| 2                        |      |      |                 |       |       |                  |       | 2.6  |           |     |      | 2            |       |
| 3                        |      |      |                 |       |       |                  |       |      |           |     |      | 3            |       |
| 4                        |      |      |                 |       |       |                  |       |      |           |     |      | 4            |       |
| 5                        |      |      |                 |       |       |                  |       |      |           |     |      | 5            |       |
| 6                        |      |      |                 |       |       |                  |       |      |           |     |      | 6            |       |
| 7                        |      |      |                 |       |       |                  |       |      |           |     |      | 7            |       |
| 8                        |      |      |                 |       |       |                  |       |      |           |     |      | 8            |       |
| 9                        |      |      |                 |       |       |                  |       |      |           |     |      | 9            |       |
| 10                       |      |      |                 |       |       |                  |       | 16.7 |           |     |      | 10           |       |
| 11                       |      |      |                 |       |       |                  |       |      |           |     |      | 11           |       |
| 12                       |      |      |                 |       |       |                  |       | 2.0  |           |     |      | 12           |       |
| 13                       |      |      |                 |       |       |                  |       |      |           |     |      | 13           |       |
| 14                       |      |      |                 |       |       |                  |       |      |           |     |      | 14           |       |
| 15                       |      |      |                 |       |       |                  |       | 3.9  |           |     |      | 15           |       |
| 16                       |      |      |                 |       |       |                  |       |      |           |     |      | 16           |       |
| 17                       |      |      |                 |       |       |                  |       |      |           |     |      | 17           |       |
| 18                       |      |      |                 |       |       |                  |       |      |           |     |      | 18           |       |
| 19                       |      |      |                 |       |       |                  |       |      |           |     |      | 19           |       |
| 20                       |      |      |                 |       |       |                  |       | 30.9 |           |     |      | 20           |       |
| 21                       |      |      |                 |       |       |                  |       |      |           |     |      | 21           |       |
| 22                       |      |      |                 |       |       |                  |       |      |           |     |      | 22           |       |
| 23                       |      |      |                 |       |       |                  |       |      |           |     |      | 23           |       |
| 24                       |      |      |                 |       |       |                  |       |      |           |     |      | 24           |       |
| 25                       |      |      |                 |       |       |                  |       |      |           |     |      | 25           |       |
| 26                       |      |      |                 |       |       |                  |       |      |           |     |      | 26           |       |
| 27                       |      |      |                 |       |       |                  |       |      |           |     |      | 27           |       |
| 28                       |      |      |                 |       |       |                  |       |      |           |     |      | 28           |       |
| 29                       |      |      |                 |       |       |                  |       |      |           |     |      | 29           |       |
| 30                       |      |      |                 |       |       |                  |       |      |           |     |      | 30           |       |
| 31                       |      |      |                 |       |       |                  |       |      |           |     |      | 31           |       |
| TOT                      | 13.7 | 27.3 | 44.6            | 140.6 | 198.5 | 169.7            | 101.0 | 82.5 | 29.6      | 0.0 | 0.3  | 14.1         |       |
| OBSERVATIONS MADID U 110 |      |      |                 |       |       |                  |       |      |           |     |      | TOTAL ANNUEL | 322.3 |
| COM                      | 112  | 112  | 117             | 117   | 112   | 112              | 112   | 117  | 117       | 058 | 018  | 355          |       |
| N J                      | 5    | 5    | 5               | 15    | 11    | 5                | 10    | 5    | 6         | 4   | 6    | 14           |       |



[illegible]

| STATION 00057 |      | KIL BATTARSA      |      |      |       |             |       |      | ANDEE 1989/1990 |      |      |  |
|---------------|------|-------------------|------|------|-------|-------------|-------|------|-----------------|------|------|--|
|               |      | LATE 4000H, 29 CO |      |      | LONGH | SCOR, 55 DP |       | ALTA | 138 4           |      |      |  |
| SEPT          | OCTO | NOVE              | DECE | JANU | FEBR  | MARS        | AVRIL | MAY  | JUIN            | JUIL | AOUT |  |
| 1             |      |                   |      |      |       |             |       |      |                 |      | 1    |  |
| 2             |      |                   |      |      |       |             |       |      |                 |      | 2    |  |
| 3             |      |                   |      |      |       |             |       |      |                 |      | 3    |  |
| 4             | 17.0 |                   |      |      |       |             |       |      |                 |      | 4    |  |
| 5             |      |                   |      | 9.0  |       |             |       |      |                 |      | 5    |  |
| 6             |      |                   |      |      |       |             |       |      |                 |      | 6    |  |
| 7             |      |                   |      |      |       |             |       |      |                 |      | 7    |  |
| 8             |      |                   |      |      |       |             |       |      |                 |      | 8    |  |
| 9             |      |                   |      |      |       |             |       |      |                 |      | 9    |  |
| 10            |      |                   |      |      |       |             |       |      |                 |      | 10   |  |
| 11            |      |                   |      |      |       |             |       |      |                 |      | 11   |  |
| 12            |      |                   |      |      |       |             |       |      |                 |      | 12   |  |
| 13            |      |                   |      |      |       |             |       |      |                 |      | 13   |  |
| 14            |      |                   |      |      |       |             |       |      |                 |      | 14   |  |
| 15            |      |                   |      |      |       |             |       |      |                 |      | 15   |  |
| 16            |      |                   |      |      |       |             |       |      |                 |      | 16   |  |
| 17            |      |                   |      |      |       |             |       |      |                 |      | 17   |  |
| 18            |      |                   |      |      |       |             |       |      |                 |      | 18   |  |
| 19            |      |                   |      |      |       |             |       |      |                 |      | 19   |  |
| 20            |      |                   |      |      |       |             |       |      |                 |      | 20   |  |
| 21            |      |                   |      |      |       |             |       |      |                 |      | 21   |  |
| 22            |      |                   |      |      |       |             |       |      |                 |      | 22   |  |
| 23            |      |                   |      |      |       |             |       |      |                 |      | 23   |  |
| 24            |      |                   |      |      |       |             |       |      |                 |      | 24   |  |
| 25            |      |                   |      |      |       |             |       |      |                 |      | 25   |  |
| 26            |      |                   |      |      |       |             |       |      |                 |      | 26   |  |
| 27            |      |                   |      |      |       |             |       |      |                 |      | 27   |  |
| 28            |      |                   |      |      |       |             |       |      |                 |      | 28   |  |
| 29            |      |                   |      |      |       |             |       |      |                 |      | 29   |  |
| 30            |      |                   |      |      |       |             |       |      |                 |      | 30   |  |
| 31            |      |                   |      |      |       |             |       |      |                 |      | 31   |  |
| TOT           | 17.0 | 19.7              | 15.5 | 15.5 | 177.6 | 24.1        | 18.2  | 47.4 | 30.9            | 2.0  | 0.0  |  |
| OBSERVATION   |      |                   |      |      |       |             |       |      |                 |      |      |  |
| TOTAL ANNUAL  |      |                   |      |      |       |             |       |      |                 |      |      |  |
| 359.2         |      |                   |      |      |       |             |       |      |                 |      |      |  |



STATION 40156

AIR FANJA POINT 52 FMS

ANNEE 1981/1982

|                            |      | LAT 4054-41 35 |      | LONG 80-54 05 |       | ALT 193 M |      |      |      |      |      |      |                     |
|----------------------------|------|----------------|------|---------------|-------|-----------|------|------|------|------|------|------|---------------------|
|                            |      | SEPT           | OCTO | NOVE          | DECE  | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1                          |      |                |      |               |       |           |      |      |      |      |      |      | 1                   |
| 2                          | 14.0 |                |      |               | 4.5   |           |      |      |      |      |      |      | 2                   |
| 3                          |      |                |      |               | 2.0   |           |      |      |      |      |      |      | 3                   |
| 4                          | 5.5  |                |      |               | 3.5   |           |      |      | 2.0  |      |      |      | 4                   |
| 5                          |      |                |      |               |       |           |      |      |      |      |      |      | 5                   |
| 6                          |      |                |      |               |       |           |      | 10.0 |      |      |      |      | 6                   |
| 7                          |      |                |      |               |       |           |      |      |      |      |      |      | 7                   |
| 8                          |      |                |      |               |       |           |      |      |      | 21.7 |      |      | 8                   |
| 9                          |      |                |      |               |       |           |      |      |      |      |      |      | 9                   |
| 10                         |      |                |      |               |       |           |      |      |      |      |      |      | 10                  |
| 11                         |      |                |      |               |       |           |      |      |      | 7.7  |      |      | 11                  |
| 12                         |      |                |      |               |       |           |      |      |      |      |      |      | 12                  |
| 13                         |      |                |      |               |       |           |      |      |      |      |      |      | 13                  |
| 14                         |      |                |      |               | 1.0   |           | 7.5  |      | 11.5 |      |      |      | 14                  |
| 15                         |      |                |      |               |       | 41.0      |      |      |      |      |      |      | 15                  |
| 16                         |      |                |      | 4.0           |       |           |      |      |      |      |      |      | 16                  |
| 17                         |      |                |      |               |       |           | 2.0  |      |      |      |      |      | 17                  |
| 18                         | 1.0  |                |      |               |       |           |      | 1.5  | 5.9  |      |      |      | 18                  |
| 19                         |      |                |      |               |       | 34.0      |      |      | 8.0  |      |      |      | 19                  |
| 20                         |      | 14.0           |      |               |       | 1.5       |      |      |      |      |      |      | 20                  |
| 21                         |      |                |      |               |       | 7.0       |      | 13.0 | 6.5  |      |      |      | 21                  |
| 22                         |      |                | 3.0  |               | 4.5   |           | 5.5  | 2.0  |      |      |      |      | 22                  |
| 23                         |      |                |      |               |       |           |      |      |      |      |      |      | 23                  |
| 24                         | 4.5  |                |      |               |       |           | 5.0  | 4.0  |      |      |      |      | 24                  |
| 25                         |      | 13.0           |      |               |       |           | 1.5  |      | 5.0  |      |      |      | 25                  |
| 26                         |      |                |      |               |       |           |      | 7.2  |      |      |      |      | 26                  |
| 27                         |      |                |      |               |       | 1.3       | 7.0  |      |      |      |      |      | 27                  |
| 28                         |      |                |      |               |       |           |      |      | 6.5  |      |      |      | 28                  |
| 29                         |      |                |      | 5.0           |       | 15.0      |      |      |      |      |      |      | 29                  |
| 30                         |      |                |      | 1.0           |       |           |      |      | 1.0  |      |      |      | 30                  |
| 31                         |      |                |      |               |       |           |      |      |      |      |      |      | 31                  |
| TOT                        | 29.0 | 30.0           | 13.0 | 15.5          | 100.5 | 78.5      | 57.7 | 44.0 | 23.0 | 3.0  | 0.0  | 0.0  |                     |
| OBSERVATION= TAHAP REK ALT |      |                |      |               |       |           |      |      |      |      |      |      | TOTAL ANNUEL= 559.0 |
| CON = 112                  | 112  | 112            | 112  | 112           | 112   | 112       | 112  | 112  | 112  | 112  | 112  | 112  |                     |
| 4 J                        | 6    | 3              | 3    | 5             | 6     | 6         | 6    | 8    | 2    | 0    | 0    | 0    | 43                  |

STATION 40156

AIR FANJA

ANNEE 1981/1982

|              |      | LAT 4054-52 00 |      | LONG 80-52 00 |       | ALT 520 M |      |      |      |      |      |      |                     |
|--------------|------|----------------|------|---------------|-------|-----------|------|------|------|------|------|------|---------------------|
|              |      | SEPT           | OCTO | NOVE          | DECE  | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1            |      |                |      |               |       |           |      |      |      |      |      |      | 1                   |
| 2            |      |                |      |               |       |           |      |      |      |      |      |      | 2                   |
| 3            | 41.0 |                |      |               |       |           |      |      |      |      |      |      | 3                   |
| 4            | 5.0  |                |      |               | 10.0  |           | 7.0  |      |      |      |      |      | 4                   |
| 5            |      |                |      |               | 6.0   |           |      |      |      |      |      |      | 5                   |
| 6            |      |                |      |               |       |           |      |      |      |      |      |      | 6                   |
| 7            |      |                |      |               |       |           |      |      |      |      |      |      | 7                   |
| 8            |      |                |      |               |       |           |      |      |      |      |      |      | 8                   |
| 9            |      |                |      |               |       |           |      |      |      | 12.0 |      |      | 9                   |
| 10           |      |                |      |               |       |           |      |      |      | 7.0  |      |      | 10                  |
| 11           |      |                |      |               |       |           |      |      |      |      |      |      | 11                  |
| 12           |      |                |      |               |       |           |      |      |      |      |      |      | 12                  |
| 13           |      |                |      |               |       |           |      |      |      |      |      |      | 13                  |
| 14           |      |                |      |               |       |           |      |      | 13.0 |      |      |      | 14                  |
| 15           |      |                |      |               |       | 44.0      |      |      |      |      |      |      | 15                  |
| 16           |      |                |      |               |       |           |      |      |      |      |      |      | 16                  |
| 17           |      |                |      |               |       |           |      |      |      |      |      |      | 17                  |
| 18           | 15.0 |                |      |               |       |           |      |      |      |      |      |      | 18                  |
| 19           |      |                |      |               |       | 44.0      |      |      | 27.0 |      |      |      | 19                  |
| 20           |      | 37.0           |      |               |       | 5.5       |      | 7.0  |      |      |      |      | 20                  |
| 21           |      |                |      |               |       | 5.0       |      | 5.0  |      |      |      |      | 21                  |
| 22           |      |                |      |               |       |           |      | 7.0  |      |      |      |      | 22                  |
| 23           |      |                |      |               |       |           |      |      |      |      |      |      | 23                  |
| 24           |      |                |      |               |       |           |      |      |      |      |      |      | 24                  |
| 25           |      |                |      |               |       |           |      |      | 9.0  |      |      |      | 25                  |
| 26           |      |                |      |               |       |           |      |      |      |      |      |      | 26                  |
| 27           |      |                |      |               |       |           |      |      |      |      |      |      | 27                  |
| 28           |      |                |      |               |       |           |      |      |      |      |      |      | 28                  |
| 29           |      |                |      | 7.0           |       | 17.0      |      |      |      |      |      |      | 29                  |
| 30           |      |                |      |               |       | 4.0       |      |      |      |      |      |      | 30                  |
| 31           |      |                |      |               |       |           |      |      |      |      |      |      | 31                  |
| TOT          | 65.0 | 47.0           | 17.0 | 77.0          | 156.0 | 77.5      | 15.0 | 11.0 | 10.0 | 27.0 | 0.0  | 0.0  |                     |
| OBSERVATION= |      |                |      |               |       |           |      |      |      |      |      |      | TOTAL ANNUEL= 475.2 |
| CON = 112    | 112  | 112            | 112  | 112           | 112   | 112       | 112  | 112  | 112  | 112  | 112  | 112  |                     |
| 4 J          | 6    | 3              | 3    | 5             | 6     | 6         | 6    | 8    | 2    | 0    | 0    | 0    | 43                  |



STATION 40721

AEM KAPPE

ANNEE 1971/1972

73

| LAT= 40°10' 10" 72 |      |      |      |      | LONG= 008°27' 25" |      |      | ALT= 125' N |      |      |      |                    |
|--------------------|------|------|------|------|-------------------|------|------|-------------|------|------|------|--------------------|
|                    | SEPT | OCTO | NOVE | DECE | JANV              | FEBV | MARS | AVRIL       | MAY  | JUIN | JUIL | AOUT               |
| 1                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 2                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 3                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 4                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 5                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 6                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 7                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 8                  | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 9                  | .    | .    | .    | .    | .                 | .    | .    | .           | 4.0  | .    | .    | .                  |
| 10                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 11                 | .    | .    | .    | .    | .                 | .    | .    | .           | 5.5  | .    | .    | .                  |
| 12                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 13                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 14                 | .    | .    | .    | .    | .                 | .    | .    | 7.0         | .    | .    | .    | .                  |
| 15                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 16                 | .    | .    | .    | .    | 99.5              | .    | .    | .           | .    | .    | .    | .                  |
| 17                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 18                 | .    | .    | .    | .    | 125.0             | .    | 14.4 | 11.5        | .    | .    | .    | .                  |
| 19                 | .    | .    | .    | .    | 18.5              | .    | .    | 9.5         | .    | .    | .    | .                  |
| 20                 | .    | 17.5 | .    | .    | 2.4               | .    | .    | .           | .    | .    | .    | .                  |
| 21                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 22                 | .    | .    | .    | .    | .                 | .    | 7.0  | .           | .    | .    | .    | .                  |
| 23                 | .    | .    | .    | .    | .                 | 11.5 | .    | .           | .    | .    | .    | .                  |
| 24                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 25                 | .    | 16.0 | .    | .    | .                 | .    | .    | 7.0         | .    | .    | .    | .                  |
| 26                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 27                 | .    | .    | .    | .    | 2.0               | .    | .    | .           | .    | .    | .    | .                  |
| 28                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 29                 | .    | .    | 6.0  | .    | 3.0               | .    | .    | .           | .    | .    | .    | .                  |
| 30                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| 31                 | .    | .    | .    | .    | .                 | .    | .    | .           | .    | .    | .    | .                  |
| TOT                | 10.0 | 17.5 | 5.0  | 4.0  | 243.4             | 37.0 | 17.4 | 35.0        | 11.5 | 2.0  | 0.3  | 0.5                |
| OBSERVATEUR=       |      |      |      |      |                   |      |      |             |      |      |      | TOTAL ANNEE= 340.3 |
| COM = 053          | 112  | 112  | 112  | 112  | 112               | 112  | 112  | 112         | 112  | 112  | 112  | 112                |
| M J                | 61   | 2    | 1    | 7    | 6                 | 4    | 2    | 4           | 7    | 0    | 3    | 1 23               |

STATION 40487

AEM TEBOURMOUR

ANNEE 1981/1982

| LAT 40GR.59 28      LONG 4GR.32 55      ALT 100 M |      |      |      |      |       |       |      |       |      |      |      |      |                    |
|---|------|------|------|------|-------|-------|------|-------|------|------|------|------|--------------------|
|   | SEPT | OCTO | NOVE | DECE | JANV  | FEBV  | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT |                    |
| 1   | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 1                  |
| 2   | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 2                  |
| 3   | .    | .    | .    | 8.0  | .     | .     | .    | .     | .    | .    | .    | .    | 3                  |
| 4   | 15.0 | .    | .    | 8.0  | .     | 22.0  | .    | .     | .    | .    | .    | .    | 4                  |
| 5   | .    | .    | .    | 8.0  | .     | .     | .    | .     | .    | .    | .    | .    | 5                  |
| 6   | .    | .    | .    | .    | .     | 24.0  | 5.0  | .     | .    | .    | .    | .    | 6                  |
| 7   | .    | .    | .    | .    | .     | .     | 5.0  | .     | .    | .    | .    | .    | 7                  |
| 8   | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 8                  |
| 9   | .    | .    | .    | .    | .     | .     | .    | .     | 7.0  | .    | .    | .    | 9                  |
| 10  | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 10                 |
| 11  | .    | .    | 4.5  | .    | .     | .     | .    | .     | .    | .    | .    | .    | 11                 |
| 12  | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 12                 |
| 13  | .    | .    | .    | .    | .     | .     | .    | 1.0   | 10.0 | .    | .    | .    | 13                 |
| 14  | .    | .    | .    | 3.0  | .     | 14.0  | .    | 2.0   | .    | .    | .    | .    | 14                 |
| 15  | .    | .    | .    | .    | 2.0   | .     | .    | .     | .    | .    | .    | .    | 15                 |
| 16  | .    | .    | .    | .    | 15.0  | .     | .    | .     | .    | .    | .    | .    | 16                 |
| 17  | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 17                 |
| 18  | 22.0 | .    | .    | .    | 3.0   | .     | .    | .     | .    | .    | .    | .    | 18                 |
| 19  | .    | .    | .    | 3.0  | 27.0  | .     | .    | 5.0   | .    | .    | .    | .    | 19                 |
| 20  | .    | .    | .    | .    | 7.0   | .     | 8.0  | 11.0  | .    | .    | .    | .    | 20                 |
| 21  | .    | 9.5  | .    | .    | .     | 8.0   | 8.0  | 1.0   | .    | .    | .    | .    | 21                 |
| 22  | .    | .    | .    | 2.0  | .     | 8.0   | .    | .     | .    | .    | .    | .    | 22                 |
| 23  | .    | .    | .    | .    | .     | .     | 8.0  | .     | .    | .    | .    | .    | 23                 |
| 24  | 9.5  | .    | .    | 2.0  | .     | 25.0  | .    | .     | .    | .    | .    | .    | 24                 |
| 25  | .    | 8.0  | .    | .    | 18.0  | .     | .    | 4.0   | .    | .    | .    | .    | 25                 |
| 26  | .    | .    | .    | .    | .     | .     | 3.0  | .     | .    | .    | .    | .    | 26                 |
| 27  | .    | .    | .    | .    | 18.0  | 25.0  | .    | 5.0   | .    | .    | .    | .    | 27                 |
| 28  | .    | .    | 7.0  | .    | 8.0   | .     | .    | .     | .    | .    | .    | .    | 28                 |
| 29  | .    | .    | .    | .    | 13.0  | .     | .    | .     | .    | .    | .    | .    | 29                 |
| 30  | .    | .    | 15.0 | .    | 3.0   | .     | .    | .     | .    | .    | .    | .    | 30                 |
| 31  | .    | .    | .    | .    | .     | .     | .    | .     | .    | .    | .    | .    | 31                 |
| TOT   | 46.5 | 17.5 | 24.5 | 34.0 | 170.0 | 126.0 | 37.0 | 30.0  | 17.0 | 0.0  | 0.3  | 7.3  |                    |
| OBSERVATEUR=                                      |      |      |      |      |       |       |      |       |      |      |      |      | TOTAL ANNEE= 552.5 |
| COM = 112   | 112  | 112  | 112  | 112  | 112   | 112   | 112  | 112   | 112  | 112  | 112  | 112  |                    |
| M J   | 1    | 2    | 4    | 7    | 10    | 1     | 6    | 7     | 2    | 0    | 3    | 7    | 57                 |



| STATION 40762                    |      | REF. SECT. ANNUAL AVERAGE AMON. |      |      |       |                  |       |            |      | ANNEX 1941/1952 |     |                      |  |
|----------------------------------|------|---------------------------------|------|------|-------|------------------|-------|------------|------|-----------------|-----|----------------------|--|
|                                  |      | LATN 40GR. 95 45                |      |      |       | LONGW 96R. 55 75 |       | ALTEP 60 M |      |                 |     |                      |  |
| SEPT                             | OCTO | NOVE                            | DECE | JANU | FEBR  | MARS             | APRIL | MAY        | JUN  | JUL             | AUG | SEPT                 |  |
| 1                                |      |                                 |      |      |       |                  |       |            |      |                 |     | 1                    |  |
| 2                                |      |                                 | 9    |      | 3.5   |                  |       |            |      |                 |     | 2                    |  |
| 3                                |      |                                 | 28.6 |      | 10.2  |                  |       |            |      |                 |     | 3                    |  |
| 4                                | 1.5  |                                 | 9.4  |      | 9.4   |                  |       |            |      |                 |     | 4                    |  |
| 5                                |      |                                 | 7.9  |      | 12.0  |                  |       |            |      |                 |     | 5                    |  |
| 6                                |      |                                 |      |      |       | 13.4             |       |            |      |                 |     | 6                    |  |
| 7                                |      |                                 |      |      |       | 2.3              |       |            |      |                 |     | 7                    |  |
| 8                                |      |                                 |      |      |       | 2.2              |       | 7.6        |      |                 |     | 8                    |  |
| 9                                |      |                                 |      |      |       |                  |       | 8.5        |      |                 |     | 9                    |  |
| 10                               |      |                                 |      |      |       |                  |       | 2.1        |      |                 |     | 10                   |  |
| 11                               |      |                                 |      |      |       |                  |       |            | 5.8  |                 |     | 11                   |  |
| 12                               |      |                                 |      |      |       |                  |       |            |      |                 |     | 12                   |  |
| 13                               |      |                                 |      |      |       |                  |       |            |      |                 |     | 13                   |  |
| 14                               |      |                                 | 2.1  |      | 1.8   |                  | 3.8   |            |      |                 |     | 14                   |  |
| 15                               |      |                                 |      | 82.7 |       |                  |       |            |      |                 |     | 15                   |  |
| 16                               |      |                                 |      | 2.5  |       |                  | 6.0   |            |      |                 |     | 16                   |  |
| 17                               |      |                                 |      | .6   |       |                  |       |            |      |                 |     | 17                   |  |
| 18                               |      |                                 |      | 7.9  |       | 1.2              | 6.9   |            |      |                 |     | 18                   |  |
| 19                               |      |                                 | 8.2  | 14.3 |       |                  | 6.5   |            |      |                 |     | 19                   |  |
| 20                               |      | 2.3                             |      | 2.7  | 3.1   | .9               | 12.9  |            |      |                 |     | 20                   |  |
| 21                               |      |                                 |      | 6.1  | 12.6  | 13.6             | 1.1   |            |      |                 |     | 21                   |  |
| 22                               |      | 1.5                             |      | 1.5  |       | 1.7              |       |            |      |                 |     | 22                   |  |
| 23                               |      |                                 |      | 17.0 | 1.1   | 1.5              |       |            |      |                 |     | 23                   |  |
| 24                               |      | 6.1                             |      | 5.8  | 13.6  | 2.1              |       |            |      |                 |     | 24                   |  |
| 25                               |      | 8.3                             |      | 1.5  | 2.2   | 10.4             | 9.5   |            |      |                 |     | 25                   |  |
| 26                               |      | 9.2                             | 2.9  | 3.8  | 1.5   | 12.1             |       |            |      |                 |     | 26                   |  |
| 27                               |      |                                 |      | 7.3  | 22.6  |                  |       |            |      |                 |     | 27                   |  |
| 28                               |      |                                 |      | 25.7 |       |                  | 1.5   |            |      |                 |     | 28                   |  |
| 29                               |      | 16.2                            |      | 2.2  |       |                  |       |            |      |                 |     | 29                   |  |
| 30                               |      | 4.5                             |      |      |       |                  | 1.5   |            |      |                 |     | 30                   |  |
| 31                               |      |                                 |      |      |       |                  |       |            |      |                 |     | 31                   |  |
| TOT                              | 1.5  | 27.5                            | 21.5 | 72.2 | 184.0 | 106.1            | 45.7  | 65.0       | 24.2 | 0.0             | 0.0 | 1.8                  |  |
| DOSE QUANTITEUR = TRIERE DES REY |      |                                 |      |      |       |                  |       |            |      |                 |     | TOTAL ANNUAL = 529.7 |  |
| CON + 112                        | 112  | 112                             | 112  | 112  | 112   | 112              | 112   | 112        | 112  | 112             | 112 | 112                  |  |
| N J                              | 1    | 5                               | 3    | 9    | 15    | 11               | 11    | 7          | 4    | 0               | 2   | 1                    |  |

[illegible]











| LAT= AUGUST CO |      |      |      |      | LONG= |      |       | COR. CR CO |      | ALT= |      | 195 M |       |  |
|----------------|------|------|------|------|-------|------|-------|------------|------|------|------|-------|-------|--|
| SEPT           | OCTO | NOVE | DECE | JANV | FEBV  | MARS | APRIL | MAY        | JUN  | JUL  | AUG  | SEPT  |       |  |
|                |      |      |      |      |       |      |       |            |      |      |      |       | 1     |  |
| 1              | 1.0  |      |      |      |       |      |       | 1.7        |      |      | 1.5  |       | 2     |  |
| 2              | 1.5  |      |      |      |       |      |       |            |      |      |      |       | 3     |  |
| 3              |      |      |      |      |       |      |       |            |      |      |      |       | 4     |  |
| 4              | 2.5  |      |      |      |       |      |       |            |      |      |      |       | 5     |  |
| 5              |      |      |      |      |       |      |       | 2.6        |      |      | 2.8  |       | 6     |  |
| 6              |      |      |      |      |       |      |       | 6.8        | 1.5  |      |      |       | 7     |  |
| 7              |      |      |      |      |       |      |       | 1.0        |      |      |      |       | 8     |  |
| 8              |      |      |      |      |       |      |       |            |      |      | 10.7 |       | 9     |  |
| 9              |      |      |      |      |       |      |       |            |      |      | 7.7  |       | 10    |  |
| 10             |      |      |      |      |       |      |       |            |      |      |      |       | 11    |  |
| 11             |      |      |      |      |       |      |       |            |      |      | 8.2  |       | 12    |  |
| 12             |      |      |      |      |       |      |       |            |      |      |      |       | 13    |  |
| 13             |      |      |      |      |       |      |       |            |      |      |      |       | 14    |  |
| 14             |      |      |      |      |       |      |       |            |      |      |      |       | 15    |  |
| 15             |      |      |      |      |       |      |       |            |      |      |      |       | 16    |  |
| 16             |      |      |      |      |       |      |       |            |      |      |      |       | 17    |  |
| 17             |      |      |      |      |       |      |       |            |      |      |      |       | 18    |  |
| 18             | 1.3  |      |      |      |       |      |       | 1.5        | 5.5  |      |      |       | 19    |  |
| 19             |      |      |      |      |       |      |       |            | 11.5 |      |      |       | 20    |  |
| 20             |      |      |      |      |       |      |       | 1.0        | 1.0  |      |      |       | 21    |  |
| 21             |      |      |      |      |       |      |       |            |      |      |      |       | 22    |  |
| 22             |      |      |      |      |       |      |       |            |      |      |      |       | 23    |  |
| 23             | 4.0  |      |      |      |       |      |       |            |      |      |      |       | 24    |  |
| 24             | 14.5 |      |      |      |       |      |       |            |      |      |      |       | 25    |  |
| 25             |      |      |      |      |       |      |       |            |      |      |      |       | 26    |  |
| 26             |      |      |      |      |       |      |       |            |      |      |      |       | 27    |  |
| 27             |      |      |      |      |       |      |       |            |      |      |      |       | 28    |  |
| 28             |      |      |      |      |       |      |       |            |      |      |      |       | 29    |  |
| 29             |      |      |      |      |       |      |       |            |      |      |      |       | 30    |  |
| 30             |      |      |      |      |       |      |       |            |      |      |      |       | 31    |  |
| 31             |      |      |      |      |       |      |       |            |      |      |      |       |       |  |
| TOT            | 25.1 | 28.5 | 17.6 | 45.4 | 171.4 | 22.5 | 26.0  | 43.4       | 39.4 | 3.0  | 0.3  | 0.0   |       |  |
| OBSERVATORY    |      |      |      |      |       |      |       |            |      |      |      |       | 421.9 |  |
| COM            | 112  | 112  | 112  | 112  | 112   | 112  | 112   | 112        | 112  | 112  | 112  | 112   |       |  |
| M J            | 6    | 9    | 6    | 8    | 11    | 1    | 10    | 10         | 6    | 0    | 3    | 0     | 13    |  |

[illegible]







STATION 41252

BENI KHALLER BANAHAL

ANNEE 1981/1982

79

| LATA 40GR.71 00 LONGP 9GR.16 00 ALT# 80 M |      |      |      |      |       |      |      |      |      |      |      |               |    |
|---|------|------|------|------|-------|------|------|------|------|------|------|---------------|----|
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |               |    |
| 1   |      |      |      |      |       |      |      |      |      |      |      | 1             | 2  |
| 2   | 6    |      |      |      |       |      |      |      |      |      |      | 3             | 3  |
| 3   |      |      | 18.2 |      | 18.0  |      |      |      |      |      |      | 4             | 4  |
| 4   | 27.2 |      |      |      | 2.0   |      |      |      |      |      |      | 5             | 5  |
| 5   |      |      | 4.6  |      | 6.0   |      |      |      |      |      |      | 6             | 6  |
| 6   | 6.5  |      |      |      |       | 18.0 |      |      |      |      |      | 7             | 7  |
| 7   |      |      |      |      |       | 3.5  |      |      |      |      |      | 8             | 8  |
| 8   |      |      |      |      |       | 1.0  |      | 9.6  |      |      |      | 9             | 9  |
| 9   |      |      |      |      |       |      |      | 11.0 |      |      |      | 10            | 10 |
| 10  |      | 2.7  |      |      |       |      |      |      |      |      |      | 11            | 11 |
| 11  |      |      |      |      |       |      |      | 4.5  |      |      |      | 12            | 12 |
| 12  |      |      |      |      |       |      |      |      |      |      |      | 13            | 13 |
| 13  |      |      |      |      |       |      |      |      |      |      |      | 14            | 14 |
| 14  |      | 2.5  | 3.0  |      | 1.7   |      | 6.6  |      |      |      |      | 15            | 15 |
| 15  |      |      |      | 75.0 |       |      |      |      |      |      |      | 16            | 16 |
| 16  |      |      |      | 4.9  |       |      |      |      |      |      |      | 17            | 17 |
| 17  |      |      |      |      |       |      |      |      |      |      |      | 18            | 18 |
| 18  | 17.7 |      |      | 24.0 |       | 3.5  | 5.1  |      |      |      |      | 19            | 19 |
| 19  |      |      | 2.0  | 29.0 |       |      |      |      |      |      |      | 20            | 20 |
| 20  |      | 15.5 |      | .5   |       | 3.1  |      |      |      |      |      | 21            | 21 |
| 21  |      |      |      |      | 5.1   | 18.0 | 4.1  |      |      |      |      | 22            | 22 |
| 22  |      |      | 6.8  |      | 4.1   | 4.6  |      |      |      |      |      | 23            | 23 |
| 23  |      |      | .6   |      | 3.1   | 3.0  |      |      |      |      |      | 24            | 24 |
| 24  | 15.0 | 5.2  |      | 27.7 | 2.7   |      |      |      |      |      |      | 25            | 25 |
| 25  |      | 5.6  |      | .4   |       | 4.1  | 18.1 |      |      |      |      | 26            | 26 |
| 26  |      | 1.1  | .7   |      | 24.0  | 8.4  |      |      |      |      |      | 27            | 27 |
| 27  |      |      |      |      | 3.0   | 10.1 |      | 4.5  |      |      |      | 28            | 28 |
| 28  |      |      | 1.5  |      | 17.9  |      |      |      |      |      |      | 29            | 29 |
| 29  |      |      | 6.8  |      | .6    |      |      |      |      |      |      | 30            | 30 |
| 30  |      |      |      |      |       |      |      |      |      |      |      | 31            | 31 |
| 31  |      |      |      |      |       |      |      |      |      |      |      |               |    |
| TOT                                       | 62.0 | 28.4 | 20.9 | 35.9 | 204.6 | 81.7 | 54.4 | 39.1 | 24.7 | 9.0  | 0.3  | 0.3           |    |
| OBSERVATEUR=                              |      |      |      |      |       |      |      |      |      |      |      | TOTAL ANNUEL= |    |
|   |      |      |      |      |       |      |      |      |      |      |      | 556.1         |    |
| CMH = 112                                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  |               |    |
| N J                                       | 5    | 4    | 7    | 8    | 10    | 10   | 9    | 6    | 3    | 0    | 3    | 3             | 92 |

STATION 41253

BENI KHALLER FA LATIT LP

ANNEE 1981/1982

| LATA 40GR.70 37 LONGP 9GR.19 03 ALT# 80 M |      |      |      |      |       |      |      |      |      |      |      |               |    |
|---|------|------|------|------|-------|------|------|------|------|------|------|---------------|----|
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |               |    |
| 1   |      |      |      |      |       |      |      |      |      |      |      | 1             | 2  |
| 2   |      |      |      |      |       |      |      |      |      |      |      | 3             | 3  |
| 3   |      |      |      |      |       |      |      |      |      |      |      | 4             | 4  |
| 4   |      |      |      | 4.1  |       | 15.4 |      |      |      |      |      | 5             | 5  |
| 5   | 24.0 |      |      | 13.0 |       |      |      |      |      |      |      | 6             | 6  |
| 6   |      |      |      | 6.5  |       |      |      |      |      |      |      | 7             | 7  |
| 7   | 17.5 |      |      |      |       | 5.0  | 2.0  |      |      |      |      | 8             | 8  |
| 8   |      |      |      |      |       |      |      |      |      |      |      | 9             | 9  |
| 9   |      |      |      |      |       |      |      |      |      |      |      | 10            | 10 |
| 10  |      |      |      |      |       |      |      |      |      |      |      | 11            | 11 |
| 11  |      |      |      |      |       |      |      |      |      |      |      | 12            | 12 |
| 12  |      |      |      |      |       |      |      |      |      |      |      | 13            | 13 |
| 13  |      |      |      |      |       |      |      |      |      |      |      | 14            | 14 |
| 14  |      |      |      |      |       |      |      |      |      |      |      | 15            | 15 |
| 15  |      |      |      |      |       |      |      |      |      |      |      | 16            | 16 |
| 16  |      |      |      |      |       |      |      |      |      |      |      | 17            | 17 |
| 17  |      |      |      |      |       |      |      |      |      |      |      | 18            | 18 |
| 18  |      |      |      |      |       |      |      |      |      |      |      | 19            | 19 |
| 19  | 6.0  |      |      |      |       |      |      |      |      |      |      | 20            | 20 |
| 20  |      |      |      |      |       |      |      |      |      |      |      | 21            | 21 |
| 21  |      |      |      |      |       |      |      |      |      |      |      | 22            | 22 |
| 22  |      |      |      |      |       |      |      |      |      |      |      | 23            | 23 |
| 23  |      |      |      |      |       |      |      |      |      |      |      | 24            | 24 |
| 24  |      |      |      |      |       |      |      |      |      |      |      | 25            | 25 |
| 25  |      |      |      |      |       |      |      |      |      |      |      | 26            | 26 |
| 26  |      |      |      |      |       |      |      |      |      |      |      | 27            | 27 |
| 27  |      |      |      |      |       |      |      |      |      |      |      | 28            | 28 |
| 28  |      |      |      |      |       |      |      |      |      |      |      | 29            | 29 |
| 29  |      |      |      |      |       |      |      |      |      |      |      | 30            | 30 |
| 30  |      |      |      |      |       |      |      |      |      |      |      | 31            | 31 |
| 31  |      |      |      |      |       |      |      |      |      |      |      |               |    |
| TOT                                       | 51.1 | 30.5 | 18.1 | 45.6 | 230.0 | 88.7 | 60.7 | 61.0 | 27.9 | 3.0  | 0.2  | 15.5          |    |
| OBSERVATEUR=                              |      |      |      |      |       |      |      |      |      |      |      | TOTAL ANNUEL= |    |
|   |      |      |      |      |       |      |      |      |      |      |      | 513.2         |    |
| CMH = 112                                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  |               |    |



| STATION 41200 |       | WOMEN'S BOOLE |      |      |      | MINE 1981/2000 |      |      |      | MINE 1981/2000 |      |      |      |
|---------------|-------|---------------|------|------|------|----------------|------|------|------|----------------|------|------|------|
| DATE          |       | TIME          |      | TEMP |      | WIND           |      | WIND |      | WIND           |      | WIND |      |
| DATE          | TIME  | TEMP          | WIND | TEMP | WIND | TEMP           | WIND | TEMP | WIND | TEMP           | WIND | TEMP | WIND |
| 1             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 2             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 3             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 4             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 5             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 6             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 7             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 8             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 9             | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 10            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 11            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 12            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 13            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 14            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 15            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 16            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 17            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 18            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 19            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 20            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 21            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 22            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 23            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 24            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 25            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 26            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 27            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 28            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 29            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 30            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| 31            | 12:00 | 15.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| TOT           | 64    | 27.0          | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 | 15.0           | 15.0 | 15.0 | 15.0 |
| OBSERVATIONS  |       |               |      |      |      |                |      |      |      |                |      |      |      |
| CO4 - 120     | 112   | 117           | 154  | 112  | 150  | 112            | 152  | 112  | 112  | 112            | 112  | 112  | 112  |
| H J           | 5     | 2             | 43   | 5    | 44   | 4              | 47   | 2    | 0    | 0              | 0    | 0    | 44   |

[illegible]



|                      | LAT= 40GN. 38 40 |           |           |           | LONG= 76R. 29 90 |           |           | ALT= 250 M |          |           |           |           |
|----------------------|------------------|-----------|-----------|-----------|------------------|-----------|-----------|------------|----------|-----------|-----------|-----------|
|                      | SEPT<br>2        | OCTO<br>4 | NOVE<br>6 | DECE<br>8 | JANV<br>9        | FEBR<br>9 | MARS<br>9 | AVRIL<br>9 | MAI<br>9 | JUIN<br>9 | JUIL<br>6 | AOÛT<br>9 |
| 1                    | 3.5              |           |           |           |                  |           |           |            | 2.5      |           |           | 1         |
| 2                    | 5.5              |           |           |           |                  |           |           | 8.0        |          |           |           | 2         |
| 3                    |                  |           |           |           |                  |           |           |            |          |           |           | 3         |
| 4                    |                  |           |           | 4.5       |                  |           |           |            |          |           |           | 4         |
| 5                    |                  |           |           |           |                  |           | 2.0       |            |          |           |           | 5         |
| 6                    |                  |           |           |           |                  |           | 14.0      |            | 8.0      |           |           | 6         |
| 7                    |                  |           |           |           |                  |           |           |            |          |           |           | 7         |
| 8                    |                  |           |           |           |                  |           |           |            |          |           |           | 8         |
| 9                    |                  |           |           |           |                  |           |           |            | 15.0     |           |           | 9         |
| 10                   |                  |           |           |           |                  |           |           |            | 10.0     |           |           | 10        |
| 11                   |                  |           |           |           |                  |           |           |            |          |           |           | 11        |
| 12                   |                  |           |           |           |                  |           |           |            | 10.5     |           |           | 12        |
| 13                   |                  |           |           |           |                  | 3.0       |           |            |          |           |           | 13        |
| 14                   |                  |           |           |           |                  | 8.0       |           | 15.0       |          |           |           | 14        |
| 15                   | 5.5              |           | 3.0       |           |                  |           |           |            |          |           |           | 15        |
| 16                   |                  |           |           |           | 40.0             |           |           |            |          |           |           | 16        |
| 17                   |                  |           |           |           | 33.0             | 3.0       |           |            |          |           |           | 17        |
| 18                   |                  | 5.5       |           |           |                  | 1.5       |           | 10.0       |          |           |           | 18        |
| 19                   |                  |           |           | 3.0       |                  |           | 2.5       | 12.0       |          |           |           | 19        |
| 20                   |                  |           |           |           | 4.0              | 15.0      |           | 2.5        |          |           |           | 20        |
| 21                   |                  |           |           |           | 2.5              | 6.5       | 4.0       | .5         |          |           |           | 21        |
| 22                   |                  | 1.5       |           |           |                  |           | 7.0       |            | 48.0     |           |           | 22        |
| 23                   |                  | 4.5       |           | 6.0       |                  | 1.5       | 2.0       |            |          |           |           | 23        |
| 24                   |                  |           |           |           |                  |           |           |            |          |           |           | 24        |
| 25                   |                  |           |           |           |                  |           | 5.0       | 7.0        |          |           |           | 25        |
| 26                   |                  |           |           |           |                  |           |           |            |          |           |           | 26        |
| 27                   |                  |           |           |           | 1.0              | 8.0       |           |            |          |           |           | 27        |
| 28                   |                  |           |           |           |                  | 4.0       |           | 6.0        |          |           |           | 28        |
| 29                   |                  |           | 20.0      |           | 2.0              |           |           |            |          |           |           | 29        |
| 30                   |                  |           | 4.5       |           |                  |           |           |            |          |           |           | 30        |
| 31                   |                  |           |           |           |                  |           | 1.5       |            |          |           |           | 31        |
| TOT                  | 24               | 11.5      | 27.5      | 13.5      | 62.5             | 90.0      | 58.0      | 59.0       | 94.0     | 0.0       | 0.0       | 0.0       |
| OBSERVATION= ANPAQUI |                  |           |           |           |                  |           |           |            |          |           |           |           |
| TOTAL ANNUEL= 66444  |                  |           |           |           |                  |           |           |            |          |           |           |           |
| COM = 132            | 112              | 112       | 112       | 112       | 112              | 112       | 112       | 112        | 112      | 112       | 112       | 112       |
| M J                  | 24               | 3         | 5         | 5         | 6                | 6         | 8         | 5          | 6        | 0         | 0         | 0         |



|                       |      | LAT= 40° 46' N 34 |      |      |       | LONG= 106° 12' 40 |      |      | ALT= 40 M |      |      |                     |
|-----------------------|------|-------------------|------|------|-------|-------------------|------|------|-----------|------|------|---------------------|
|                       | SEPT | OCTO              | NOVE | DECE | JANV  | FEBV              | MARS | AVRE | MAI       | JUIN | JUIL | AOUT                |
|                       | 4    | 4                 | 4    | 4    | 4     | 4                 | 4    | 4    | 4         | 4    | 4    | 4                   |
| 1                     | .    | .                 | .    | .    | .     | .                 | 2.0  | .    | .         | .    | .    | .                   |
| 2                     | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 3                     | .    | .                 | .    | 18.5 | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 4                     | 25.0 | .                 | .    | 2.0  | .     | 34.0              | .    | .    | .         | .    | .    | .                   |
| 5                     | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 6                     | .    | .                 | .    | .    | .     | 6.5               | .    | .    | .         | .    | .    | .                   |
| 7                     | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | 2.5                 |
| 8                     | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 9                     | .    | .                 | .    | .    | .     | .                 | .    | .    | 21.0      | .    | .    | .                   |
| 10                    | .    | .                 | 9.5  | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 11                    | .    | .                 | .    | .    | .     | .                 | .    | .    | 4.5       | .    | .    | .                   |
| 12                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 13                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 14                    | .    | .                 | .    | 3.5  | 72.0  | 1.0               | .    | 11.0 | .         | .    | .    | .                   |
| 15                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 16                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 17                    | .    | .                 | .    | .    | .     | .                 | 4.0  | .    | .         | .    | .    | .                   |
| 18                    | 15.0 | .                 | .    | .    | 23.5  | .                 | .    | 3.5  | .         | .    | .    | .                   |
| 19                    | .    | .                 | .    | .    | 24.0  | .                 | .    | 5.0  | .         | .    | .    | .                   |
| 20                    | .    | 19.0              | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 21                    | .    | .                 | .    | .    | .     | 7.0               | 29.0 | 1.5  | .         | .    | .    | .                   |
| 22                    | .    | .                 | .    | .    | .     | 3.5               | .    | 1.5  | .         | .    | .    | .                   |
| 23                    | .    | .                 | .    | 5.0  | 21.0  | 7.0               | .    | .    | .         | .    | .    | .                   |
| 24                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 25                    | 5.0  | 10.5              | .    | .    | .     | .                 | 8.0  | .    | .         | .    | .    | .                   |
| 26                    | .    | .                 | .    | .    | .     | .                 | 1.0  | 15.5 | .         | .    | .    | .                   |
| 27                    | .    | .                 | .    | .    | 26.5  | 7.5               | .    | .    | .         | .    | .    | .                   |
| 28                    | .    | .                 | .    | .    | 2.0   | .                 | .    | 6.5  | .         | .    | .    | .                   |
| 29                    | .    | .                 | 7.0  | .    | 28.0  | .                 | .    | .    | .         | .    | .    | .                   |
| 30                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| 31                    | .    | .                 | .    | .    | .     | .                 | .    | .    | .         | .    | .    | .                   |
| TOT                   | 45.0 | 29.5              | 14.5 | 29.0 | 197.0 | 46.5              | 50.0 | 44.5 | 25.5      | 5.0  | 0.0  | 2.5                 |
| OBSERVATEUR= GARA ALI |      |                   |      |      |       |                   |      |      |           |      |      | TOTAL ANNUEL= 535.0 |
| CON = 112             |      |                   |      |      |       |                   |      |      |           |      |      | 112                 |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 3                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 2                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 2                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 4                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 7                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 7                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 6                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 7                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 2                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 0                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 3                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 1                   |
| C J                   |      |                   |      |      |       |                   |      |      |           |      |      | 4                   |

| STATION 41335 |      | DDU CHLAKA      |      |      |       | ANNEE 1981/1982 |           |      |            |      |      |              |       |     |
|---------------|------|-----------------|------|------|-------|-----------------|-----------|------|------------|------|------|--------------|-------|-----|
|               |      | LAT= 40GR-60 60 |      |      |       | LONG=           | AGR-75 10 |      | ALT= 235 M |      |      |              |       |     |
| SEPT          | OCTO | NOVE            | DECE | JANV | FEBV  | MARS            | AVRIL     | MAY  | JUIN       | JUIL | AOUT |              |       |     |
| 1             | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 1            |       |     |
| 2             | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 2            |       |     |
| 3             | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 3            |       |     |
| 4             | .    | .               | 16.1 | .    | .     | .               | .         | .    | .          | .    | .    | 4            |       |     |
| 5             | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 5            |       |     |
| 6             | .    | .               | 3.3  | .    | .     | .               | .         | .    | .          | .    | .    | 6            |       |     |
| 7             | .    | .               | .    | .    | .     | 26.0            | .         | .    | .          | .    | .    | 7            |       |     |
| 8             | .    | 5.2             | .    | .    | .     | .               | .         | 15.3 | .          | .    | .    | 8            |       |     |
| 9             | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 9            |       |     |
| 10            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 10           |       |     |
| 11            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 11           |       |     |
| 12            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 12           |       |     |
| 13            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 13           |       |     |
| 14            | .    | .               | .    | .    | .     | 4.0             | .         | 15.2 | .          | .    | .    | 14           |       |     |
| 15            | .    | .               | 3.0  | 51.0 | .     | .               | .         | .    | .          | .    | .    | 15           |       |     |
| 16            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 16           |       |     |
| 17            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 17           |       |     |
| 18            | .    | .               | .    | 43.0 | .     | .               | .         | .    | .          | .    | .    | 18           |       |     |
| 19            | .    | .               | .    | .    | .     | .               | .         | 6.0  | .          | .    | .    | 19           |       |     |
| 20            | .    | .               | .    | 6.1  | .     | .               | .         | .    | .          | .    | .    | 20           |       |     |
| 21            | .    | 6.4             | .    | .    | .     | 9.0             | .         | 16.0 | .          | .    | .    | 21           |       |     |
| 22            | .    | .               | .    | .    | .     | .               | 20.5      | .    | .          | .    | .    | 22           |       |     |
| 23            | .    | .               | .    | .    | .     | 11.0            | .         | .    | .          | .    | .    | 23           |       |     |
| 24            | 13.0 | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 24           |       |     |
| 25            | .    | 12.0            | .    | .    | .     | 5.0             | .         | 12.0 | .          | .    | .    | 25           |       |     |
| 26            | .    | .               | .    | .    | .     | .               | 16.0      | .    | .          | .    | .    | 26           |       |     |
| 27            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 27           |       |     |
| 28            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 28           |       |     |
| 29            | .    | .               | 6.0  | 25.3 | .     | .               | .         | .    | .          | .    | .    | 29           |       |     |
| 30            | .    | .               | 5.0  | .    | .     | .               | .         | .    | .          | .    | .    | 30           |       |     |
| 31            | .    | .               | .    | .    | .     | .               | .         | .    | .          | .    | .    | 31           |       |     |
| MOY           | 18.7 | 16.6            | 16.2 | 22.4 | 129.4 | 29.0            | 62.5      | 63.2 | 15.3       | 0.0  | 0.0  | 0.0          |       |     |
| OBSERVATEUR=  |      |                 |      |      |       |                 |           |      |            |      |      | TOTAL BRUFLA | 352.6 |     |
|               |      |                 |      |      |       |                 |           |      |            |      |      | OSB          | 112   | 353 |



|                           | SEPT | OCTO | NOVE | DECE | JANU  | FEBR | MARS | AVRI | MAY  | JUN | JUL | AUG |       |
|---------------------------|------|------|------|------|-------|------|------|------|------|-----|-----|-----|-------|
| 1                         |      |      |      | 5    |       |      |      | 1.0  |      |     |     |     | 1     |
| 2                         | 1.7  |      |      |      |       |      |      |      |      |     |     |     | 2     |
| 3                         |      |      |      | 5.4  |       |      |      |      |      |     |     |     | 3     |
| 4                         | 2.7  |      |      | 8.5  |       |      |      |      |      |     |     |     | 4     |
| 5                         |      |      |      | 3.0  |       |      |      |      |      |     |     |     | 5     |
| 6                         |      |      |      |      |       |      | 3.4  |      | 5.0  |     |     |     | 6     |
| 7                         |      |      |      |      |       | 6.5  | 23.6 | 1.0  |      |     |     |     | 7     |
| 8                         |      |      | 2.0  |      |       |      |      |      |      |     |     |     | 8     |
| 9                         |      |      |      |      |       |      | 2.6  |      | 11.0 |     |     |     | 9     |
| 10                        |      |      |      |      |       |      |      |      | 7.0  |     |     |     | 10    |
| 11                        |      |      | 5    |      |       |      |      |      |      |     |     |     | 11    |
| 12                        |      |      |      |      |       |      |      |      | 7.3  |     |     |     | 12    |
| 13                        |      |      |      |      |       |      |      |      |      |     |     |     | 13    |
| 14                        |      |      | 1.1  |      |       |      |      | 6.5  |      |     |     |     | 14    |
| 15                        |      |      | 3.7  | 6.2  | 2.5   |      |      | 6.0  |      |     |     |     | 15    |
| 16                        |      |      |      |      | 40.0  |      |      | 1.4  |      |     |     |     | 16    |
| 17                        |      |      |      |      |       |      |      |      |      |     |     |     | 17    |
| 18                        |      |      |      |      |       |      |      |      |      |     |     |     | 18    |
| 19                        | 26.4 |      |      | 8    | 43.0  |      | 1.5  | 5.0  |      |     |     |     | 19    |
| 20                        |      |      |      | 2.1  | 2.8   |      |      | 17.1 |      |     |     |     | 20    |
| 21                        |      | 10.5 |      |      |       | 18.5 | 6.2  | 5.4  |      |     |     |     | 21    |
| 22                        |      |      |      | 5    | 2.8   | 6.5  | 8.0  | 3    |      |     |     |     | 22    |
| 23                        |      | 7    |      |      |       | 4    | 1.9  |      |      |     |     |     | 23    |
| 24                        | 2.0  |      |      |      |       | 3.4  |      |      |      |     |     |     | 24    |
| 25                        | 3.9  | 13.1 |      |      |       | 1.9  | 5    | 6.0  |      |     |     |     | 25    |
| 26                        |      |      | 1.4  |      |       | 5.0  | 12.7 | 8    |      |     |     |     | 26    |
| 27                        |      |      |      |      | 3.0   | 6.5  |      |      |      |     |     |     | 27    |
| 28                        |      |      |      |      | 6.2   |      |      | 4.2  |      |     |     |     | 28    |
| 29                        |      |      | 4.5  |      | 12.0  |      |      |      |      |     |     |     | 29    |
| 30                        |      |      | 3.9  |      | 27.0  |      |      | 1.1  |      |     |     |     | 30    |
| 31                        |      |      |      |      |       |      |      | 1.7  |      |     |     |     | 31    |
| TOT                       | 36.7 | 24.1 | 16.8 | 25.9 | 135.3 | 53.7 | 58.7 | 46.7 | 27.3 | 0.0 | 0.0 | 0.0 |       |
| OBSERVATORY ALI EL KNOFFI |      |      |      |      |       |      |      |      |      |     |     |     |       |
| TOTAL ANNUAL=             |      |      |      |      |       |      |      |      |      |     |     |     | 671.7 |
| CON                       | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112 | 112 | 112 |       |
| N                         | 5    | 3    | 7    | 6    | 9     | 8    | 11   | 12   | 6    | 0   | 3   | 0   | 57    |

[illegible]



| STATION 41411            |      | MOU KSIH         |      |      |       |                   |       |            |     | ANNEE 1981/1982 |      |      |    |
|--------------------------|------|------------------|------|------|-------|-------------------|-------|------------|-----|-----------------|------|------|----|
|                          |      | LAT= 41° 03' 40" |      |      |       | LONG= 96° 54' 45" |       | ALT= 277 M |     |                 |      |      |    |
|                          | SEPT | OCTO             | NOVE | DECE | JANV  | FEBV              | MARS  | AVRI       | MAI | JUIN            | JUIL | AOUT |    |
| 1                        |      |                  | 2.7  | 1.9  |       |                   |       |            |     |                 |      |      | 1  |
| 2                        |      |                  |      | 4.9  |       |                   |       |            |     |                 |      |      | 2  |
| 3                        |      |                  |      | 6.0  |       |                   |       |            |     |                 |      |      | 3  |
| 4                        | 5.6  |                  |      | 30.3 |       | 18.7              |       |            |     |                 |      |      | 4  |
| 5                        |      |                  |      | 10.7 |       | 32.1              |       |            |     |                 |      |      | 5  |
| 6                        |      |                  |      |      |       | 24.1              | 25.3  |            |     |                 |      |      | 6  |
| 7                        |      |                  |      |      |       |                   | 31.5  |            |     |                 |      |      | 7  |
| 8                        |      |                  |      |      |       |                   | 63.6  |            |     |                 |      |      | 8  |
| 9                        |      |                  |      |      |       |                   |       |            |     | 17.0            |      |      | 9  |
| 10                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 10 |
| 11                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 11 |
| 12                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 12 |
| 13                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 13 |
| 14                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 14 |
| 15                       |      |                  |      |      | 80.0  |                   |       | 13.0       |     |                 |      |      | 15 |
| 16                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 16 |
| 17                       |      |                  |      | 2.9  |       |                   |       | 3.0        |     |                 |      |      | 17 |
| 18                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 18 |
| 19                       |      |                  |      | 1.9  | 21.0  |                   |       | 10.0       |     |                 |      |      | 19 |
| 20                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 20 |
| 21                       |      | 9.0              |      |      |       | 30.1              |       |            |     |                 |      |      | 21 |
| 22                       |      |                  |      |      | 10.0  | 16.1              |       |            |     |                 |      |      | 22 |
| 23                       |      | 6.5              |      |      | 30.0  |                   |       |            |     |                 |      |      | 23 |
| 24                       |      |                  |      |      | 23.0  | 22.0              |       |            |     |                 |      |      | 24 |
| 25                       |      | 11.5             |      |      | 9.2   |                   |       |            |     |                 |      |      | 25 |
| 26                       |      | 3.5              |      | 10.9 |       |                   |       |            |     |                 |      |      | 26 |
| 27                       |      | 12.1             | 5.0  |      |       |                   |       |            |     |                 |      |      | 27 |
| 28                       | 4.7  |                  |      |      | 14.0  |                   |       |            |     |                 |      |      | 28 |
| 29                       |      |                  | 5.4  |      | 27.3  |                   |       |            |     |                 |      |      | 29 |
| 30                       |      |                  |      |      |       |                   |       | 2.0        |     |                 |      |      | 30 |
| 31                       |      |                  |      |      |       |                   |       |            |     |                 |      |      | 31 |
| TOT                      | 9.6  | 34.5             | 11.2 | 11.7 | 214.7 | 115.2             | 100.3 | 78.3       | **  | 17.0            | 0.0  | 0.0  |    |
| OBSERVATEUR= HANBA TAHAR |      |                  |      |      |       |                   |       |            |     |                 |      |      |    |
| TOTAL ANNEE= 44444       |      |                  |      |      |       |                   |       |            |     |                 |      |      |    |
| COH = 112                | 112  | 112              | 112  | 112  | 112   | 124               | 112   | 112        | 112 | 114             | 112  | 112  |    |
| M J                      | 2    | 5                | 3    | 4    | 8     | 6                 | 56    | 5          | **  | 1               | 0    | 0    | ** |

| STATION 41460            |      | CAP BDN RADIO PHARE SM |      |      |       |                   |      |           |      | ANNEE 1981/1982 |      |      |    |
|--------------------------|------|------------------------|------|------|-------|-------------------|------|-----------|------|-----------------|------|------|----|
|                          |      | LAT= 41° 19' 15"       |      |      |       | LONG= 96° 53' 05" |      | ALT= 20 M |      |                 |      |      |    |
|                          | SEPT | OCTO                   | NOVE | DECE | JANV  | FEBV              | MARS | AVRI      | MAI  | JUIN            | JUIL | AOUT |    |
| 1                        |      |                        |      |      |       |                   |      | 0         |      |                 |      |      | 1  |
| 2                        | 5.6  |                        |      |      |       |                   |      | 0         |      |                 |      |      | 2  |
| 3                        |      |                        |      |      |       | 5.3               |      |           |      |                 |      |      | 3  |
| 4                        | 0    |                        |      | 0.8  |       | 6.0               |      |           |      |                 |      |      | 4  |
| 5                        |      |                        |      | 10.7 |       | 6.0               |      |           |      | 3.0             |      |      | 5  |
| 6                        |      |                        | 2.5  | 9.2  |       |                   | 5.7  |           | 0    |                 |      |      | 6  |
| 7                        |      |                        | 2.5  |      |       |                   |      |           |      |                 |      |      | 7  |
| 8                        |      |                        | 6.5  |      |       |                   | 9.0  |           | 7.9  |                 |      |      | 8  |
| 9                        |      |                        |      |      |       |                   |      |           | 13.0 |                 |      |      | 9  |
| 10                       |      |                        |      | 0    |       |                   |      |           |      |                 |      |      | 10 |
| 11                       |      |                        |      |      |       |                   |      |           | 2.7  |                 |      |      | 11 |
| 12                       |      |                        | 2.3  |      |       |                   |      |           |      |                 |      |      | 12 |
| 13                       |      |                        |      |      |       |                   |      |           | 0    |                 |      |      | 13 |
| 14                       |      |                        |      |      |       |                   |      | 8.5       |      |                 |      |      | 14 |
| 15                       |      |                        |      |      |       |                   |      |           |      |                 |      |      | 15 |
| 16                       |      |                        |      | 2.6  | 80.7  |                   |      |           |      |                 |      |      | 16 |
| 17                       |      |                        |      |      | 7.9   |                   |      |           |      |                 |      |      | 17 |
| 18                       |      |                        |      |      | 6.5   |                   |      |           |      |                 |      |      | 18 |
| 19                       |      |                        |      |      | 15.2  |                   |      |           |      |                 |      |      | 19 |
| 20                       |      | 6.5                    |      |      | 11.0  |                   |      | 20.0      |      |                 |      |      | 20 |
| 21                       | 0    |                        |      |      | 1.8   | 17.4              | 9.0  | 22.4      |      |                 |      |      | 21 |
| 22                       |      |                        |      |      | 2.3   |                   | 2.0  |           |      |                 |      |      | 22 |
| 23                       |      | 4.2                    |      |      | 6.2   |                   |      |           |      |                 |      |      | 23 |
| 24                       | 0    | 10.4                   |      |      | 6.0   | 16.0              |      |           |      |                 |      |      | 24 |
| 25                       |      | 12.2                   |      |      |       | 13.6              |      | 7.5       |      |                 |      |      | 25 |
| 26                       |      |                        | 3.1  |      | 8.6   |                   |      |           |      |                 |      |      | 26 |
| 27                       |      | 5.5                    | 0    |      | 7.2   |                   | 4.1  | 1.2       |      |                 |      |      | 27 |
| 28                       | 0    |                        | 0    |      | 23.4  |                   |      |           |      |                 |      |      | 28 |
| 29                       |      |                        | 1.6  |      |       |                   | 0    | 3.7       |      |                 |      |      | 29 |
| 30                       |      |                        | 2.5  |      |       |                   |      |           |      |                 |      |      | 30 |
| 31                       |      |                        |      |      |       |                   | 10.0 |           |      |                 |      |      | 31 |
| TOT                      | 0.6  | 38.7                   | 19.3 | **   | 174.3 | 40.7              | 39.8 | 63.3      | 24.7 | 7.0             | 0.0  | 0.0  |    |
| OBSERVATEUR= KALAT BECHT |      |                        |      |      |       |                   |      |           |      |                 |      |      |    |
| TOTAL ANNEE= 22222       |      |                        |      |      |       |                   |      |           |      |                 |      |      |    |
| COH = 112                | 112  | 112                    | 132  | 112  | 112   | 112               | 112  | 112       | 112  | 112             | 112  | 159  |    |
| M J                      | 1    | 5                      | 7    | **   | 12    | 6                 | 5    | 6         | 3    | 1               | 0    | **   | ** |



| LAT= 40GR. 36 CS LONG= 001. 53 60 ALT= 46 M |      |      |      |      |       |      |      |      |      |     |              |
|---|------|------|------|------|-------|------|------|------|------|-----|--------------|
| SEPT  | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVR  | MAI  | JUN  | JUL | AOUT         |
| 1   |      |      |      |      |       |      |      |      |      |     | 1            |
| 2   |      |      |      |      |       |      |      |      |      |     | 2            |
| 3   | 3.5  |      |      |      |       |      |      |      |      |     | 3            |
| 4   |      |      |      |      |       |      |      |      |      |     | 4            |
| 5   |      |      |      |      |       |      |      |      |      |     | 5            |
| 6   |      |      |      |      |       |      |      |      |      |     | 6            |
| 7   |      |      |      |      |       |      |      |      |      |     | 7            |
| 8   |      |      |      |      |       |      |      |      |      |     | 8            |
| 9   |      |      |      |      |       |      |      |      |      |     | 9            |
| 10  |      |      |      |      |       |      |      |      |      |     | 10           |
| 11  |      |      |      |      |       |      |      |      |      |     | 11           |
| 12  |      |      |      |      |       |      |      |      |      |     | 12           |
| 13  |      |      |      |      |       |      |      |      |      |     | 13           |
| 14  |      |      |      |      |       |      |      |      |      |     | 14           |
| 15  |      |      |      |      |       |      |      |      |      |     | 15           |
| 16  |      |      |      |      |       |      |      |      |      |     | 16           |
| 17  |      |      |      |      |       |      |      |      |      |     | 17           |
| 18  |      |      |      |      |       |      |      |      |      |     | 18           |
| 19  |      |      |      |      |       |      |      |      |      |     | 19           |
| 20  |      |      |      |      |       |      |      |      |      |     | 20           |
| 21  |      |      |      |      |       |      |      |      |      |     | 21           |
| 22  |      |      |      |      |       |      |      |      |      |     | 22           |
| 23  |      |      |      |      |       |      |      |      |      |     | 23           |
| 24  |      |      |      |      |       |      |      |      |      |     | 24           |
| 25  |      |      |      |      |       |      |      |      |      |     | 25           |
| 26  |      |      |      |      |       |      |      |      |      |     | 26           |
| 27  |      |      |      |      |       |      |      |      |      |     | 27           |
| 28  |      |      |      |      |       |      |      |      |      |     | 28           |
| 29  |      |      |      |      |       |      |      |      |      |     | 29           |
| 30  |      |      |      |      |       |      |      |      |      |     | 30           |
| 31  |      |      |      |      |       |      |      |      |      |     | 31           |
| TOT   | 6.3  | 37.8 | 10.1 | 26.9 | 140.1 | 72.4 | 48.9 | 49.5 | 25.0 | 0.0 | 0.0          |
| OBSERVATIONS METHOD                         |      |      |      |      |       |      |      |      |      |     | TOTAL ANNUAL |
|   |      |      |      |      |       |      |      |      |      |     | 555.4        |
| COM =                                       | 212  | 212  | 212  | 212  | 212   | 212  | 212  | 058  | 212  | 053 | 058          |
| M J   | 2    | 5    | 2    | 6    | 10    | 1    | 10   | 8    | 0    | 26  | 00           |

STATION 41533

CHARTER EK ETTOJILA

ANNEE 1953/1952

| LAT= 40GR. 36 50 LONG= 001. 55 50 ALT= 207 M |      |      |      |      |       |      |     |      |      |     |              |
|--|------|------|------|------|-------|------|-----|------|------|-----|--------------|
| SEPT   | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVR | MAI  | JUN  | JUL | AOUT         |
| 1  |      |      |      |      |       |      |     |      |      |     | 1            |
| 2  |      |      |      |      |       |      |     |      |      |     | 2            |
| 3  |      |      |      |      |       |      |     |      |      |     | 3            |
| 4  |      |      |      |      |       |      |     |      |      |     | 4            |
| 5  |      |      |      |      |       |      |     |      |      |     | 5            |
| 6  |      |      |      |      |       |      |     |      |      |     | 6            |
| 7  |      |      |      |      |       |      |     |      |      |     | 7            |
| 8  |      |      |      |      |       |      |     |      |      |     | 8            |
| 9  |      |      |      |      |       |      |     |      |      |     | 9            |
| 10   |      |      |      |      |       |      |     |      |      |     | 10           |
| 11   |      |      |      |      |       |      |     |      |      |     | 11           |
| 12   |      |      |      |      |       |      |     |      |      |     | 12           |
| 13   |      |      |      |      |       |      |     |      |      |     | 13           |
| 14   |      |      |      |      |       |      |     |      |      |     | 14           |
| 15   |      |      |      |      |       |      |     |      |      |     | 15           |
| 16   |      |      |      |      |       |      |     |      |      |     | 16           |
| 17   |      |      |      |      |       |      |     |      |      |     | 17           |
| 18   |      |      |      |      |       |      |     |      |      |     | 18           |
| 19   |      |      |      |      |       |      |     |      |      |     | 19           |
| 20   |      |      |      |      |       |      |     |      |      |     | 20           |
| 21   |      |      |      |      |       |      |     |      |      |     | 21           |
| 22   |      |      |      |      |       |      |     |      |      |     | 22           |
| 23   |      |      |      |      |       |      |     |      |      |     | 23           |
| 24   |      |      |      |      |       |      |     |      |      |     | 24           |
| 25   |      |      |      |      |       |      |     |      |      |     | 25           |
| 26   |      |      |      |      |       |      |     |      |      |     | 26           |
| 27   |      |      |      |      |       |      |     |      |      |     | 27           |
| 28   |      |      |      |      |       |      |     |      |      |     | 28           |
| 29   |      |      |      |      |       |      |     |      |      |     | 29           |
| 30   |      |      |      |      |       |      |     |      |      |     | 30           |
| 31   |      |      |      |      |       |      |     |      |      |     | 31           |
| TOT  | 7.4  | 23.4 | 15.3 | 21.0 | 123.5 | 24.7 | 00  | 41.5 | 20.0 | 0.0 | 0.0          |
| OBSERVATIONS                                 |      |      |      |      |       |      |     |      |      |     | TOTAL ANNUAL |
|  |      |      |      |      |       |      |     |      |      |     | 444.4        |
| COM =  | 152  | 112  | 112  | 156  | 112   | 132  | 112 | 112  | 112  | 112 | 112          |
| M J  | 2    | 5    | 2    | 6    | 10    | 1    | 10  | 8    | 0    | 26  | 00           |



[illegible][illegible]



| LATE APR. 73 70 |      |      |      |      |      |      |      |     |      |      |      | LONG 80° 57' 70" |   | ALTA 60° 0' |     |
|-----------------|------|------|------|------|------|------|------|-----|------|------|------|------------------|---|-------------|-----|
| SEPT            | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRI | MAI | JUIN | JUIL | AOUT |                  |   |             |     |
| 1               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 1   |
| 2               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 2   |
| 3               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 3   |
| 4               | -    | -    | -    | 25.0 | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 4   |
| 5               | -    | -    | -    | 5.0  | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 5   |
|                 | -    | -    | -    | 2.0  | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 6   |
| 6               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 7   |
| 7               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 8   |
| 8               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 9   |
| 9               | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 10  |
| 10              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 11  |
|                 | -    | -    | -    | 2.0  | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 12  |
| 11              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 13  |
| 12              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 14  |
| 13              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 15  |
| 14              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 16  |
| 15              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 17  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 18  |
| 16              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 19  |
| 17              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 20  |
| 18              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 21  |
| 19              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 22  |
| 20              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 23  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 24  |
| 21              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 25  |
| 22              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 26  |
| 23              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 27  |
| 24              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 28  |
| 25              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 29  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 30  |
| 26              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 31  |
| 27              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 32  |
| 28              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 33  |
| 29              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 34  |
| 30              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 35  |
| 31              | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 36  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 37  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 38  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 39  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 40  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 41  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 42  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 43  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 44  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 45  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 46  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 47  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 48  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 49  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 50  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 51  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 52  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 53  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 54  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 55  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 56  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 57  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 58  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 59  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 60  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 61  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 62  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 63  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 64  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 65  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 66  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 67  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 68  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 69  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 70  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 71  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 72  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 73  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 74  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 75  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 76  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 77  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 78  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 79  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 80  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 81  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 82  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 83  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 84  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 85  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 86  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 87  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 88  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 89  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 90  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 91  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 92  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 93  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 94  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 95  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 96  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 97  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 98  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 99  |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 100 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 101 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 102 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 103 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 104 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 105 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 106 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 107 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 108 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 109 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 110 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 111 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 112 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 113 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 114 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 115 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 116 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 117 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 118 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 119 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 120 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 121 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 122 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 123 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 124 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 125 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 126 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 127 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 128 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 129 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 130 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 131 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 132 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 133 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 134 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 135 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 136 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 137 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 138 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 139 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 140 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 141 |
|                 | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | -                | - | -           | 142 |
|                 | -    | -    | -    | -    | -    |      |      |     |      |      |      |                  |   |             |     |

| LAT= 40GR.40 20 |      |      |      |      |       |      |      |      |      |      |      | LONG= 86W.51 70 |  | ALTA= 125 N |  |
|-----------------|------|------|------|------|-------|------|------|------|------|------|------|-----------------|--|-------------|--|
| SEPT            | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |                 |  |             |  |
| 1               |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 2               |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 3               | 1.0  |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 4               | 10.0 |      |      | 14.0 |       |      |      |      |      |      |      |                 |  |             |  |
| 5               |      |      |      | 5.0  |       |      |      |      |      |      |      |                 |  |             |  |
| 6               |      |      |      |      | 13.0  |      |      |      |      |      |      |                 |  |             |  |
| 7               |      |      |      |      |       | 15.0 |      |      |      |      |      |                 |  |             |  |
| 8               |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 9               |      |      |      |      |       |      |      | 14.0 |      |      |      |                 |  |             |  |
| 10              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 11              |      |      | 2.0  |      |       |      |      |      |      |      |      |                 |  |             |  |
| 12              |      |      |      |      |       |      |      | 5.0  |      |      |      |                 |  |             |  |
| 13              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 14              |      |      |      | 1.0  |       |      |      |      |      |      |      |                 |  |             |  |
| 15              |      |      | 4.0  |      |       |      |      | 15.0 |      |      |      |                 |  |             |  |
| 16              | 15.0 |      |      |      | 50.0  |      |      |      |      |      |      |                 |  |             |  |
| 17              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 18              |      |      |      |      | 35.0  |      |      |      |      |      |      |                 |  |             |  |
| 19              |      |      |      |      | 21.0  |      |      | 7.0  |      |      |      |                 |  |             |  |
| 20              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 21              |      | 8.5  |      |      | 1.0   | 10.0 |      | 7.0  |      |      |      |                 |  |             |  |
| 22              |      | 1.0  |      |      | 6.0   | 2.4  | 17.6 |      |      |      |      |                 |  |             |  |
| 23              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 24              |      |      |      |      |       | 6.4  |      |      |      |      |      |                 |  |             |  |
| 25              |      | 10.0 |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| 26              |      |      |      |      | 4.0   |      | 32.0 |      |      |      |      |                 |  |             |  |
| 27              |      |      |      |      |       | 10.0 |      |      |      |      |      |                 |  |             |  |
| 28              |      |      |      |      | 6.0   |      | 12.0 |      |      |      |      |                 |  |             |  |
| 29              |      |      | 5.0  |      | 11.0  |      |      |      |      |      |      |                 |  |             |  |
| 30              |      |      | 3.0  |      | 1.0   |      |      |      |      |      |      |                 |  |             |  |
| 31              |      |      |      |      |       |      |      |      |      |      |      |                 |  |             |  |
| TOT             | 76.5 | 20.2 | 17.0 | 25.0 | 132.0 | 66.5 | 44.6 | 45.0 | 22.0 | 0.0  | 0.0  | 5.2             |  |             |  |
| OBSERVATION:    |      |      |      |      |       |      |      |      |      |      |      | TOTAL ANNUAL    |  | 576.5       |  |
| D-11 + 112      |      |      |      |      |       |      |      |      |      |      |      | 112             |  | 112         |  |



| STATION 41833 |      | DEPT. 100 GOLF   |      |      |       |       |      |             |      | ANNEE 1981/1982 |      |      |                    |
|---------------|------|------------------|------|------|-------|-------|------|-------------|------|-----------------|------|------|--------------------|
|               |      | LAT. 40GR. 51 00 |      |      |       | LONG. |      | 50GR. 54 50 |      | ALT. 200 M      |      |      |                    |
|               | SEPT | OCTO             | NOVE | DECE | JANV  | FEBV  | MARS | AVRIL       | MAI  | JUIN            | JUIL | AOUT |                    |
| 1             | -    | -                | -    | 2.5  | -     | -     | -    | -           | -    | -               | -    | -    | 1                  |
| 2             | -    | -                | -    | -    | -     | -     | -    | 3.7         | -    | -               | -    | -    | 2                  |
| 3             | 5.5  | -                | -    | 10.0 | -     | -     | -    | -           | -    | -               | -    | -    | 3                  |
| 4             | -    | -                | -    | 6.0  | -     | -     | -    | -           | -    | -               | -    | -    | 4                  |
| 5             | -    | -                | -    | 5.0  | -     | -     | -    | -           | 9.3  | -               | -    | -    | 5                  |
| 6             | -    | -                | -    | 2.3  | -     | 4.5   | -    | -           | -    | -               | -    | -    | 6                  |
| 7             | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 7                  |
| 8             | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 8                  |
| 9             | -    | -                | -    | -    | -     | -     | -    | -           | 16.7 | -               | -    | -    | 9                  |
| 10            | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 10                 |
| 11            | -    | -                | 5    | -    | -     | -     | -    | -           | 14.3 | -               | -    | -    | 11                 |
| 12            | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 12                 |
| 13            | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 13                 |
| 14            | -    | -                | -    | -    | -     | -     | -    | 9.5         | -    | -               | -    | -    | 14                 |
| 15            | -    | -                | 3.0  | 3.0  | 22.5  | -     | -    | -           | -    | -               | -    | -    | 15                 |
| 16            | -    | -                | -    | -    | 42.5  | -     | -    | -           | -    | -               | -    | -    | 16                 |
| 17            | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 17                 |
| 18            | -    | -                | -    | -    | -     | -     | 2.3  | -           | -    | -               | -    | -    | 18                 |
| 19            | -    | -                | -    | 2.0  | 81.5  | -     | -    | 5.0         | -    | -               | -    | -    | 19                 |
| 20            | -    | 6.0              | -    | -    | -     | -     | -    | 10.0        | -    | -               | -    | -    | 20                 |
| 21            | -    | -                | -    | -    | 3.7   | -     | -    | -           | 16.0 | -               | -    | -    | 21                 |
| 22            | -    | 11.0             | -    | 2.0  | -     | 4.8   | 13.6 | -           | -    | -               | -    | -    | 22                 |
| 23            | -    | -                | -    | 2.0  | -     | -     | 9    | -           | -    | -               | -    | -    | 23                 |
| 24            | 8.8  | -                | -    | -    | -     | 5.0   | -    | -           | -    | -               | -    | -    | 24                 |
| 25            | -    | -                | -    | 1.1  | -     | -     | -    | 3.9         | -    | -               | -    | -    | 25                 |
| 26            | -    | 10.7             | 7.0  | -    | -     | 3.0   | 3.7  | -           | -    | -               | -    | -    | 26                 |
| 27            | -    | -                | -    | -    | 1.5   | 6.3   | -    | -           | -    | -               | -    | -    | 27                 |
| 28            | -    | -                | -    | -    | -     | -     | -    | 3.0         | -    | -               | -    | -    | 28                 |
| 29            | -    | -                | -    | -    | 11.5  | -     | -    | -           | -    | -               | -    | -    | 29                 |
| 30            | -    | -                | 12.0 | -    | 2.2   | -     | -    | -           | -    | -               | -    | -    | 30                 |
| 31            | -    | -                | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 31                 |
| TOT           | 12.3 | 35.7             | 17.5 | 42.9 | 167.4 | 75.2  | 20.7 | 47.1        | 50.6 | 0.0             | 0.0  | 0.0  |                    |
| OBSERVATIONS  |      |                  |      |      |       |       |      |             |      |                 |      |      | TOTAL ANNUEL 639.2 |
| COU           | 112  | 112              | 112  | 112  | 112   | 112   | 112  | 112         | 112  | 112             | 112  | 112  |                    |
| N J           | 2    | 3                | 4    | 10   | 7     | 1     | 4    | 6           | 4    | 0               | 0    | 0    | 45                 |

| STATION 41897 |      | 90 000 KORNINE EGOLF |      |      |       |       |      |             |      | ANNEE 1981/1982 |      |      |                    |
|---------------|------|----------------------|------|------|-------|-------|------|-------------|------|-----------------|------|------|--------------------|
|               |      | LAT. 40GR. 52 00     |      |      |       | LONG. |      | 50GR. 32 00 |      | ALT. 200 M      |      |      |                    |
|               | SEPT | OCTO                 | NOVE | DECE | JANV  | FEBV  | MARS | AVRIL       | MAI  | JUIN            | JUIL | AOUT |                    |
| 1             | -    | -                    | -    | 0.5  | -     | -     | -    | -           | -    | -               | -    | -    | 1                  |
| 2             | -    | -                    | -    | -    | -     | -     | -    | 25.0        | -    | -               | -    | -    | 2                  |
| 3             | -    | -                    | -    | 7    | -     | -     | -    | -           | -    | -               | -    | -    | 3                  |
| 4             | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 4                  |
| 5             | -    | -                    | -    | 3    | -     | -     | -    | -           | -    | -               | -    | -    | 5                  |
| 6             | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 6                  |
| 7             | -    | -                    | -    | -    | -     | 6.1   | 10.0 | 4.0         | -    | -               | -    | -    | 7                  |
| 8             | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 8                  |
| 9             | -    | -                    | 2.5  | -    | -     | -     | -    | -           | 12.0 | -               | -    | -    | 9                  |
| 10            | -    | -                    | -    | -    | -     | -     | -    | -           | 9.0  | -               | -    | -    | 10                 |
| 11            | -    | -                    | 3.5  | -    | -     | -     | -    | -           | 3.0  | -               | -    | -    | 11                 |
| 12            | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 12                 |
| 13            | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 13                 |
| 14            | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 14                 |
| 15            | -    | -                    | 4.5  | -    | 8.0   | 1     | -    | 12.0        | -    | -               | -    | -    | 15                 |
| 16            | -    | -                    | -    | -    | 52.0  | -     | -    | 2.0         | -    | -               | -    | -    | 16                 |
| 17            | -    | -                    | -    | -    | -     | -     | 4.0  | -           | -    | -               | -    | -    | 17                 |
| 18            | 3    | -                    | -    | -    | -     | -     | 6.0  | -           | -    | -               | -    | -    | 18                 |
| 19            | -    | -                    | -    | -    | 70.0  | -     | -    | -           | -    | -               | -    | -    | 19                 |
| 20            | -    | -                    | -    | 4    | 4     | -     | -    | -           | -    | -               | -    | -    | 20                 |
| 21            | -    | 5                    | -    | 2.5  | 15.0  | -     | -    | 18.0        | -    | -               | -    | -    | 21                 |
| 22            | -    | -                    | -    | -    | -     | 4.5   | 18.0 | -           | -    | -               | -    | -    | 22                 |
| 23            | 16.5 | 6.5                  | -    | -    | -     | -     | 5.0  | -           | -    | -               | -    | -    | 23                 |
| 24            | -    | -                    | -    | -    | -     | -     | 3.5  | 20.0        | -    | -               | -    | -    | 24                 |
| 25            | 5.0  | 10.0                 | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 25                 |
| 26            | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 26                 |
| 27            | -    | -                    | -    | -    | -     | 2.5   | -    | -           | -    | -               | -    | -    | 27                 |
| 28            | -    | -                    | -    | 1.5  | -     | -     | -    | -           | -    | -               | -    | -    | 28                 |
| 29            | -    | -                    | -    | -    | -     | -     | -    | -           | -    | -               | -    | -    | 29                 |
| 30            | -    | -                    | -    | 5.0  | -     | -     | -    | -           | -    | -               | -    | -    | 30                 |
| 31            | -    | -                    | -    | 3.0  | -     | -     | -    | -           | -    | -               | -    | -    | 31                 |
| TOT           | 24   | 17.4                 | 17.5 | 12.3 | 146.6 | 17.6  | 46.7 | 51.0        | 28.0 | 0.0             | 0.0  | 0.0  |                    |
| OBSERVATIONS  |      |                      |      |      |       |       |      |             |      |                 |      |      | TOTAL ANNUEL 644.2 |
| COU           | 112  | 112                  | 112  | 112  | 112   | 112   | 112  | 112         | 112  | 112             | 112  | 112  |                    |
| N J           | 2    | 3                    | 4    | 10   | 7     | 1     | 4    | 6           | 4    | 0               | 0    | 0    | 45                 |



|                        | LATE AUG. 51 TO |      |      |      | LATER |      |      |      | ALTA |     |     |     | 205 M              |
|------------------------|-----------------|------|------|------|-------|------|------|------|------|-----|-----|-----|--------------------|
|                        | SEPT            | OCTO | NOV  | DECE | JANV  | FEB  | MARS | AVR  | MAY  | JUN | JUL | AUG |                    |
| 1                      |                 |      |      |      |       |      |      | 12.2 | 1.5  |     |     |     | 1                  |
| 2                      | 15.0            |      |      |      |       |      |      |      |      |     |     |     | 2                  |
| 3                      |                 |      |      | 3.0  |       |      |      |      |      |     |     |     | 3                  |
| 4                      | 2.5             |      |      |      |       |      |      |      |      |     |     |     | 4                  |
| 5                      |                 |      | 1.0  |      |       |      |      |      |      |     |     |     | 5                  |
| 6                      |                 |      |      | 3.2  |       |      | 3.0  |      |      |     |     |     | 6                  |
| 7                      |                 |      |      |      |       |      |      |      |      |     |     |     | 7                  |
| 8                      |                 |      |      |      |       |      |      |      |      |     |     |     | 8                  |
| 9                      |                 |      |      |      |       |      | 0.5  |      | 11.0 |     |     |     | 9                  |
| 10                     |                 |      |      |      |       |      |      |      | 2.4  |     |     |     | 10                 |
| 11                     |                 |      |      |      |       |      |      | 2.0  |      |     |     |     | 11                 |
| 12                     |                 |      |      |      |       |      |      |      | 5.2  |     |     |     | 12                 |
| 13                     |                 |      |      |      |       |      |      |      |      |     |     |     | 13                 |
| 14                     |                 |      |      |      |       |      |      |      |      |     |     |     | 14                 |
| 15                     |                 |      | 3.5  | 1.5  | 46.2  |      |      | 11.5 |      |     |     |     | 15                 |
| 16                     |                 |      |      |      |       |      |      |      |      |     |     |     | 16                 |
| 17                     |                 |      |      |      |       |      |      |      |      |     |     |     | 17                 |
| 18                     |                 |      |      |      | 53.5  |      |      |      |      |     |     |     | 18                 |
| 19                     |                 |      |      |      | 2.5   |      | 2.9  | 2.0  |      |     |     |     | 19                 |
| 20                     |                 |      |      |      |       |      |      |      |      |     |     |     | 20                 |
| 21                     |                 | 4.2  |      |      | 16.6  |      |      |      | 2.3  |     |     |     | 21                 |
| 22                     |                 |      |      | 1.3  |       |      | 2.2  |      |      |     |     |     | 22                 |
| 23                     | 12.5            | 6.0  |      | 6.6  |       |      | 1.5  | 2.0  |      |     |     |     | 23                 |
| 24                     | 6.9             |      |      |      |       | 0.0  |      |      |      |     |     |     | 24                 |
| 25                     |                 | 9.5  |      | 1.8  |       |      | 2.0  |      |      |     |     |     | 25                 |
| 26                     |                 | 3.5  |      |      |       |      | 3.5  |      |      |     |     |     | 26                 |
| 27                     |                 |      |      |      |       | 0.1  |      |      |      |     |     |     | 27                 |
| 28                     |                 |      | 3.0  |      | 15.5  |      |      |      |      |     |     |     | 28                 |
| 29                     |                 |      | 6.4  |      | 9     |      |      | 3.0  |      |     |     |     | 29                 |
| 30                     |                 |      |      |      |       |      |      |      |      |     |     |     | 30                 |
| 31                     |                 |      |      |      |       |      |      |      |      |     |     |     | 31                 |
| TOT                    | 32.4            | 24.3 | 14.2 | 16.5 | 124.5 | 12.2 | 50.1 | 52.3 | 27.5 | 0.0 | 0.0 | 0.0 |                    |
| OBSERVATIONS RESQUEZLE |                 |      |      |      |       |      |      |      |      |     |     |     | TOTAL ANNUAL 147.4 |
| CH 112                 | 112             | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112 | 112 | 112 |                    |
| 1 1                    | 5               | 5    | 5    | 7    | 6     | 6    | 7    | 6    | 5    | 5   | 5   | 5   | 47                 |

| STATION 41273 BUELL BOUNGAR CAPA ANNEE 1951/1952 |                 |      |      |      |       |      |      |      |      |     |     |     |                    |
|--|-----------------|------|------|------|-------|------|------|------|------|-----|-----|-----|--------------------|
|  | LATE AUG. 50 TO |      |      |      | LATER |      |      |      | ALTA |     |     |     | 220 M              |
|  | SEPT            | OCTO | NOV  | DECE | JANV  | FEB  | MARS | AVR  | MAY  | JUN | JUL | AUG |                    |
| 1  |                 |      |      | 5.0  |       |      |      |      | 3.7  |     |     |     | 1                  |
| 2  |                 |      |      |      |       |      |      | 2.0  |      |     |     |     | 2                  |
| 3  |                 |      |      | 3.5  |       |      |      |      |      |     |     |     | 3                  |
| 4  |                 |      |      | 2.0  |       |      |      |      |      |     |     |     | 4                  |
| 5  |                 |      |      | 0.5  |       |      |      |      |      |     |     |     | 5                  |
| 6  |                 |      |      |      |       |      |      |      |      |     |     |     | 6                  |
| 7  |                 |      |      |      |       | 1.5  | 4.0  |      |      |     |     |     | 7                  |
| 8  |                 |      |      |      |       |      | 1.0  |      |      |     |     |     | 8                  |
| 9  |                 |      |      |      |       |      |      |      | 10.5 |     |     |     | 9                  |
| 10   |                 |      |      |      |       |      |      |      | 5.0  |     |     |     | 10                 |
| 11   |                 |      |      |      |       |      |      |      |      |     |     |     | 11                 |
| 12   |                 |      |      |      |       |      |      |      |      |     |     |     | 12                 |
| 13   |                 |      |      |      |       |      |      |      |      |     |     |     | 13                 |
| 14   |                 |      |      |      |       |      |      |      |      |     |     |     | 14                 |
| 15   |                 |      |      |      |       | 3.0  |      | 12.6 |      |     |     |     | 15                 |
| 16   |                 |      | 5.8  |      | 40.0  | 2.1  |      |      |      |     |     |     | 16                 |
| 17   |                 |      |      |      |       |      |      |      |      |     |     |     | 17                 |
| 18   | 8.0             |      |      |      |       |      |      |      |      |     |     |     | 18                 |
| 19   |                 |      |      |      | 55.0  |      | 2.0  |      |      |     |     |     | 19                 |
| 20   |                 |      |      |      | 17.0  |      |      |      |      |     |     |     | 20                 |
| 21   |                 | 22.0 |      |      | 7.0   |      |      |      |      |     |     |     | 21                 |
| 22   |                 |      |      |      | 3.0   | 5.5  | 10.0 |      |      |     |     |     | 22                 |
| 23   |                 |      |      | 6.0  | 3.0   |      | 1.5  |      |      |     |     |     | 23                 |
| 24   |                 |      |      |      |       | 10.5 | 1.4  |      |      |     |     |     | 24                 |
| 25   | 12.5            |      |      |      |       |      |      |      |      |     |     |     | 25                 |
| 26   |                 | 10.0 |      |      |       |      | 6.5  |      |      |     |     |     | 26                 |
| 27   |                 |      |      |      | 3.0   | 5.0  |      |      |      |     |     |     | 27                 |
| 28   |                 |      |      |      |       | 1.0  |      |      |      |     |     |     | 28                 |
| 29   |                 |      | 7.0  |      |       |      |      | 6.7  |      |     |     |     | 29                 |
| 30   |                 |      | 10.0 |      |       |      |      |      |      |     |     |     | 30                 |
| 31   |                 |      |      |      |       |      |      |      |      |     |     |     | 31                 |
| TOT  | 23.5            | 32.0 | 24.8 | 23.0 | 122.0 | 20.1 | 21.5 | 42   | 22.2 | 0.0 | 0.0 | 0.0 |                    |
| OBSERVATIONS                                     |                 |      |      |      |       |      |      |      |      |     |     |     | TOTAL ANNUAL 147.4 |
| CH 112   | 112             | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112 | 112 | 112 |                    |
| 1 1  | 2               | 2    | 2    | 5    | 7     | 7    | 7    | 6    | 5    | 5   | 5   | 5   | 47                 |











5141271 623301

ENFJ 94 41 11.1 SN

$$b_{11}b_{22} - b_{12}^2 = 0$$

| LAT = 40.15 E0 LONG = 122.30 ALTR = 27.0 |      |      |      |       |       |      |       |      |      |      |     |     |
|--|------|------|------|-------|-------|------|-------|------|------|------|-----|-----|
| SEPT                                     | OCTO | NOVE | DECE | JANV  | FEBR  | MARS | AVRIL | MAY  | JUNE | JULI | AUG |     |
| 1  |      |      |      |       |       |      |       |      |      |      | 1   |     |
| 2  |      |      |      |       | 1.0   |      |       |      |      |      | 2   |     |
| 3  |      |      |      |       | 7.0   |      |       |      |      |      | 3   |     |
| 4  | 13.0 |      |      |       |       |      |       |      |      |      | 4   |     |
| 5  |      |      |      |       | 26.0  |      |       |      |      |      | 5   |     |
| 6  |      |      |      |       |       | 4.5  |       |      | 1.0  |      | 6   |     |
| 7  |      |      |      |       |       | 1.0  | 1.3   |      |      |      | 7   |     |
| 8  |      |      |      |       |       |      |       | 3.0  |      |      | 8   |     |
| 9  |      |      |      |       |       |      |       | 5.0  |      |      | 9   |     |
| 10                                       |      |      | 5    |       |       |      |       |      |      |      | 10  |     |
| 11                                       |      |      |      |       |       |      |       | 2.7  |      |      | 11  |     |
| 12                                       |      |      |      |       |       |      |       | 4.3  |      |      | 12  |     |
| 13                                       |      |      |      |       | 1.2   |      |       |      |      |      | 13  |     |
| 14                                       |      |      |      | 0     | 4.0   |      |       |      |      |      | 14  |     |
| 15                                       |      |      |      | 102.0 | 5     |      | 7.2   |      |      |      | 15  |     |
| 16                                       |      |      |      |       | 2.0   |      |       |      |      |      | 16  |     |
| 17                                       |      |      |      |       |       |      | 2.0   |      |      |      | 17  |     |
| 18                                       |      |      |      | 70.0  |       | 13.0 |       |      |      |      | 18  |     |
| 19                                       |      |      | 0    | 14.0  |       |      | 9.0   |      |      |      | 19  |     |
| 20                                       |      | 3.0  |      |       |       |      | 9.0   |      |      |      | 20  |     |
| 21                                       |      |      |      |       | 5     |      |       |      |      |      | 21  |     |
| 22                                       |      |      | 5.0  |       |       | 10.0 | 5     |      |      |      | 22  |     |
| 23                                       |      |      |      |       |       | 4.5  |       |      |      |      | 23  |     |
| 24                                       | 4.0  |      |      |       |       |      |       |      |      |      | 24  |     |
| 25                                       |      | 13.0 |      |       |       |      |       |      |      |      | 25  |     |
| 26                                       |      | 5    |      |       | 2.5   | 2.0  | 10.5  |      |      |      | 26  |     |
| 27                                       |      |      |      |       | 1.5   | 3.0  |       |      |      |      | 27  |     |
| 28                                       |      |      |      |       | 5.0   |      |       |      |      |      | 28  |     |
| 29                                       |      |      | 5.0  |       |       |      | 1.0   |      |      |      | 29  |     |
| 30                                       |      |      |      |       |       |      |       |      |      |      | 30  |     |
| 31                                       |      |      |      |       |       |      |       |      |      |      | 31  |     |
| TOT                                      | 17.0 | 21.5 | 5.5  | 9.5   | 197.0 | 47.7 | 28.5  | 40.0 | 14.5 | 1.0  | 0.0 | 0.0 |
| OBSERVATIONS METEO                       |      |      |      |       |       |      |       |      |      |      |     |     |
| 212                                      | 212  | 212  | 212  | 212   | 212   | 212  | 212   | 212  | 212  | 212  | 212 | 212 |
| 2  | 3    | 2    | 2    | 7     | 10    | 6    | 8     | 4    | 1    | 0    | 0   | 45  |

STATION 42531

ENFIDAYVILLE SE

ANNE: 1731/1732

[illegible]







STATION 42549

CL JOUT

ANNEE 1981/1982

|              |    | LAT 40GR.35 40 |      | LONG 6 |      | SGR.57 00 |      | ALT 290 M |      |     |      |      |      |
|--------------|----|----------------|------|--------|------|-----------|------|-----------|------|-----|------|------|------|
|              |    | SEPT           | OCTO | NOVE   | DECE | JANV      | FEBV | MARS      | AVRI | MAI | JUIN | JUIL | AOUT |
| 1            |    |                |      |        |      |           |      |           |      |     |      |      | 1    |
| 2            |    |                |      |        |      |           |      |           |      |     |      |      | 2    |
| 3            |    |                |      |        | 28.5 |           |      |           |      |     |      |      | 3    |
| 4            |    |                |      |        | 10.0 |           |      |           |      |     |      |      | 4    |
| 5            |    |                |      |        |      |           |      |           |      |     |      |      | 5    |
| 6            |    |                |      |        |      |           |      | 12.5      |      |     |      |      | 6    |
| 7            |    |                |      |        |      |           |      |           |      |     |      |      | 7    |
| 8            |    |                |      |        |      |           |      |           |      | 9.6 |      |      | 8    |
| 9            |    |                |      |        |      |           |      |           |      |     |      |      | 9    |
| 10           |    |                |      |        |      |           |      |           |      |     |      |      | 10   |
| 11           |    |                |      |        |      |           |      |           |      |     |      |      | 11   |
| 12           |    |                |      |        |      |           |      |           |      |     |      |      | 12   |
| 13           |    |                |      |        |      |           |      |           |      |     |      |      | 13   |
| 14           |    |                |      |        |      |           |      |           |      |     |      |      | 14   |
| 15           |    |                |      |        |      | 48.0      |      |           |      |     |      |      | 15   |
| 16           |    |                |      |        |      |           |      |           |      |     |      |      | 16   |
| 17           |    |                |      |        |      |           |      |           |      |     |      |      | 17   |
| 18           |    |                |      |        |      | 88.0      |      |           | 11.6 |     |      |      | 18   |
| 19           |    |                |      |        |      |           |      |           | 13.1 |     |      |      | 19   |
| 20           |    |                | 13.0 |        |      |           | 17.7 |           |      |     |      |      | 20   |
| 21           |    |                |      |        |      |           | 17.0 | 34.5      |      |     |      |      | 21   |
| 22           |    |                |      |        |      |           | 10.8 |           |      |     |      |      | 22   |
| 23           |    |                |      |        | 10.5 |           |      |           |      |     |      |      | 23   |
| 24           |    |                |      |        |      |           |      |           | 5.4  |     |      |      | 24   |
| 25           |    |                | 9.5  |        |      |           |      |           |      |     |      |      | 25   |
| 26           |    |                |      |        |      | 13.6      | 4.6  |           |      |     |      |      | 26   |
| 27           |    |                |      |        |      |           |      |           |      |     |      |      | 27   |
| 28           |    |                |      |        |      | 20.9      |      |           |      |     |      |      | 28   |
| 29           |    |                |      | 9.4    |      |           |      |           |      |     |      |      | 29   |
| 30           |    |                |      | 14.4   |      |           |      |           | 17.4 |     |      |      | 30   |
| 31           |    |                |      |        |      |           |      |           |      |     |      |      | 31   |
| TOT          |    | 15.0           | 27.5 | 23.2   | 49.0 | 170.5     | 50.0 | 47.0      | 47.5 | 9.6 | 0.0  | 0.0  | 0.0  |
| OBSERVATEUR= |    |                |      |        |      |           |      |           |      |     |      |      |      |
| CMH + 055    |    | 112            | 112  | 112    | 112  | 112       | 112  | 112       | 112  | 112 | 112  | 112  | 112  |
| N J          | 24 | 2              | 2    | 3      | 4    | 4         | 2    | 4         | 1    | 0   | 3    | 3    | 21   |

TOTAL ANNEE= 459.9

STATION 42507

FAUVETTE BORNAIE

ANNEE 1981/1982

|              |  | LAT 40GR.44 10 |      | LONG 6 |      | SGR.40 00 |      | ALT 178 M |      |      |      |      |      |
|--------------|--|----------------|------|--------|------|-----------|------|-----------|------|------|------|------|------|
|              |  | SEPT           | OCTO | NOVE   | DECE | JANV      | FEBV | MARS      | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1            |  |                |      |        |      |           |      |           |      |      |      |      | 1    |
| 2            |  |                |      |        |      |           |      |           | 8.2  |      |      |      | 2    |
| 3            |  |                |      |        | 6.2  |           |      |           |      |      |      |      | 3    |
| 4            |  |                |      |        | 3.1  |           |      |           |      |      |      |      | 4    |
| 5            |  |                |      |        | 3.9  |           |      |           |      |      |      |      | 5    |
| 6            |  |                |      |        |      |           |      |           |      |      |      |      | 6    |
| 7            |  |                |      |        | 2.1  |           | 7.2  |           |      |      |      |      | 7    |
| 8            |  |                |      |        |      |           |      |           |      |      |      |      | 8    |
| 9            |  |                |      |        |      |           |      |           |      | 12.5 |      |      | 9    |
| 10           |  |                |      |        |      |           |      |           |      | 7.0  |      |      | 10   |
| 11           |  |                |      |        |      |           |      |           |      |      |      |      | 11   |
| 12           |  |                |      |        |      |           |      |           |      | 7.5  |      |      | 12   |
| 13           |  |                |      |        |      |           | 4.1  |           |      |      |      |      | 13   |
| 14           |  |                |      |        |      |           |      |           |      |      |      |      | 14   |
| 15           |  |                |      |        |      |           |      |           | 8.6  |      |      |      | 15   |
| 16           |  |                |      |        |      | 45.0      |      |           |      |      |      |      | 16   |
| 17           |  |                |      |        |      |           |      |           |      |      |      |      | 17   |
| 18           |  |                |      |        |      |           |      |           |      |      |      |      | 18   |
| 19           |  |                |      |        |      | 46.0      |      | 2.0       | 5.3  |      |      |      | 19   |
| 20           |  |                |      |        |      |           |      |           | 8.2  |      |      |      | 20   |
| 21           |  |                | 7.9  |        |      | 7.0       | 6.4  |           | 1.7  |      |      |      | 21   |
| 22           |  |                |      |        |      | 5.0       |      | 10.0      |      |      |      |      | 22   |
| 23           |  |                |      |        |      | 1.5       |      | 1.6       |      |      |      |      | 23   |
| 24           |  | 1.3            |      |        |      | 7.0       | 6.6  |           |      |      |      |      | 24   |
| 25           |  | 5.6            | 17.3 |        |      |           |      |           |      |      |      |      | 25   |
| 26           |  |                |      |        |      |           |      |           |      |      |      |      | 26   |
| 27           |  | 4.2            | 1.5  |        |      |           | 1.7  | 4.6       |      |      |      |      | 27   |
| 28           |  |                |      |        |      |           |      |           |      |      |      |      | 28   |
| 29           |  |                |      |        |      | 21.0      |      |           | 1.0  |      |      |      | 29   |
| 30           |  |                |      |        |      |           |      |           | 5.5  |      |      |      | 30   |
| 31           |  |                |      |        |      |           |      |           | 2.7  |      |      |      | 31   |
| TOT          |  | 11.1           | 30.6 | 11.0   | 17.3 | 135.0     | 18.7 | 25.2      | 43.7 | 29.1 | 5.0  | 0.0  | 0.0  |
| OBSERVATEUR= |  |                |      |        |      |           |      |           |      |      |      |      |      |
| CMH + 112    |  | 112            | 112  | 112    | 112  | 112       | 112  | 112       | 112  | 112  | 112  | 112  | 112  |

TOTAL ANNEE= 317.1



STATION 42713

FARIDUNA

ANNEE 1981/1982

95

|                                | LAT= 40GR.45 20 |      | LONG= |      | 9GR.18 30 |      | ALT= 140 M |      |      |      |      |                     |
|--------------------------------|-----------------|------|-------|------|-----------|------|------------|------|------|------|------|---------------------|
|                                | SEPT            | OCTO | NOVE  | DECE | JANV      | FEBV | MARS       | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1                              | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 1                   |
| 2                              | -               | -    | -     | -    | -         | 1.2  | -          | -    | -    | -    | -    | 2                   |
| 3                              | -               | -    | -     | -    | -         | 10.2 | -          | -    | -    | -    | -    | 3                   |
| 4                              | -               | -    | -     | 10.0 | -         | 3.6  | -          | -    | -    | -    | -    | 4                   |
| 5                              | -               | -    | -     | 0.9  | -         | 17.1 | 8.7        | -    | -    | 4.6  | -    | 5                   |
| 6                              | -               | -    | -     | -    | -         | -    | 14.1       | -    | -    | -    | -    | 6                   |
| 7                              | -               | -    | -     | -    | -         | -    | 2.0        | -    | 3.7  | -    | -    | 7                   |
| 8                              | -               | -    | -     | -    | -         | -    | -          | -    | 12.0 | -    | -    | 8                   |
| 9                              | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 9                   |
| 10                             | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 10                  |
| 11                             | -               | -    | -     | -    | -         | -    | -          | -    | 4.0  | -    | -    | 11                  |
| 12                             | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 12                  |
| 13                             | -               | -    | 3.4   | -    | -         | -    | -          | -    | 1.1  | -    | -    | 13                  |
| 14                             | -               | -    | 4.3   | 3.1  | -         | 1.4  | -          | 7.1  | -    | -    | -    | 14                  |
| 15                             | -               | -    | -     | -    | 84.2      | 4.6  | -          | -    | -    | -    | -    | 15                  |
| 16                             | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 16                  |
| 17                             | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 17                  |
| 18                             | 5.0             | -    | -     | 1    | 20.4      | 1.5  | 7          | 4.9  | -    | -    | -    | 18                  |
| 19                             | -               | -    | -     | 3.5  | 31.2      | -    | -          | 21.3 | -    | -    | -    | 19                  |
| 20                             | -               | -    | -     | -    | 2.5       | -    | 7.2        | 5.9  | -    | -    | -    | 20                  |
| 21                             | -               | 1.3  | -     | -    | 1.2       | 4.4  | 9.0        | 1    | -    | -    | -    | 21                  |
| 22                             | -               | -    | -     | 6.3  | 1.8       | 1    | 1.8        | -    | -    | -    | -    | 22                  |
| 23                             | -               | -    | -     | -    | 3.8       | 3.1  | 1.8        | -    | -    | -    | -    | 23                  |
| 24                             | -               | 7.5  | -     | 1.8  | 16.2      | 4    | 4.4        | -    | -    | -    | -    | 24                  |
| 25                             | -               | -    | 14.7  | 2    | 1         | -    | 10.3       | 6.5  | -    | -    | -    | 25                  |
| 26                             | -               | 15.3 | -     | 1.8  | 11.3      | 11.4 | -          | -    | -    | -    | -    | 26                  |
| 27                             | -               | -    | -     | -    | 6.7       | 2.1  | 1          | 6.9  | -    | -    | -    | 27                  |
| 28                             | -               | -    | 3.6   | -    | 32.5      | -    | -          | -    | -    | -    | -    | 28                  |
| 29                             | -               | -    | 15.2  | -    | 6         | -    | -          | 5.0  | -    | -    | -    | 29                  |
| 30                             | -               | 6.4  | 1.2   | -    | -         | -    | -          | -    | -    | -    | -    | 30                  |
| 31                             | -               | -    | -     | -    | -         | -    | -          | -    | -    | -    | -    | 31                  |
| TOT                            | 5.0             | 29.1 | 22.6  | 40.7 | 213.7     | 56.5 | 60.2       | 58.7 | 24.7 | 5.3  | 0.3  | 9.3                 |
| OBSERVATEUR= MAHMOUD B. HADIDI |                 |      |       |      |           |      |            |      |      |      |      | TOTAL ANNUEL= 525.2 |
| CGN                            | 112             | 112  | 112   | 112  | 112       | 112  | 112        | 112  | 112  | 112  | 112  | 112                 |
| N J                            | 1               | 5    | 5     | 9    | 13        | 14   | 12         | 9    | 3    | 1    | 3    | 2 75                |

STATION 42949

GROMBALIA SM

ANNEE 1981/1982

|                    | LAT= 40GR.47 00 |      | LONG= |      | 9GR.37 00 |      | ALT= 50 M |      |      |      |      |                     |
|--------------------|-----------------|------|-------|------|-----------|------|-----------|------|------|------|------|---------------------|
|                    | SEPT            | OCTO | NOVE  | DECE | JANV      | FEBV | MARS      | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1                  | -               | -    | -     | 1.2  | -         | -    | -         | -    | -    | -    | -    | 1                   |
| 2                  | -               | -    | -     | -    | -         | -    | -         | -    | -    | -    | -    | 2                   |
| 3                  | -               | -    | -     | -    | -         | -    | -         | -    | -    | -    | -    | 3                   |
| 4                  | -               | -    | -     | -    | -         | 13.6 | -         | -    | -    | -    | -    | 4                   |
| 5                  | 31.0            | -    | -     | 13.5 | -         | -    | -         | -    | -    | -    | -    | 5                   |
| 6                  | -               | -    | -     | 4.5  | -         | 14.0 | 14.5      | 1.0  | -    | -    | -    | 6                   |
| 7                  | -               | -    | -     | 6.2  | -         | -    | 10.0      | -    | 9.0  | -    | -    | 7                   |
| 8                  | -               | -    | -     | -    | -         | -    | 1.0       | -    | 10.5 | -    | -    | 8                   |
| 9                  | -               | -    | 2.5   | -    | -         | -    | -         | -    | -    | -    | -    | 9                   |
| 10                 | -               | -    | -     | -    | -         | -    | -         | -    | -    | -    | -    | 10                  |
| 11                 | -               | -    | 19.2  | -    | -         | -    | -         | -    | 4.3  | -    | -    | 11                  |
| 12                 | -               | -    | -     | -    | -         | -    | -         | 1.0  | -    | -    | -    | 12                  |
| 13                 | -               | -    | -     | -    | -         | -    | -         | -    | -    | -    | -    | 13                  |
| 14                 | -               | -    | -     | -    | -         | 1.3  | 3.5       | 9.3  | -    | -    | -    | 14                  |
| 15                 | -               | -    | -     | 5.0  | -         | -    | -         | -    | -    | -    | -    | 15                  |
| 16                 | -               | -    | -     | -    | 10.9      | 2    | 2.0       | 2.7  | -    | -    | -    | 16                  |
| 17                 | -               | -    | -     | -    | 9         | 1.0  | 2.0       | -    | -    | -    | -    | 17                  |
| 18                 | 19.7            | -    | -     | 6    | 4.6       | -    | 15.0      | -    | -    | -    | -    | 18                  |
| 19                 | -               | -    | -     | 4.6  | 25.0      | -    | 2.0       | 6.3  | -    | -    | -    | 19                  |
| 20                 | -               | -    | -     | -    | 27.4      | -    | 2.0       | 6.5  | -    | -    | -    | 20                  |
| 21                 | -               | 25.1 | -     | -    | 1.0       | -    | 2.0       | 2.0  | -    | -    | -    | 21                  |
| 22                 | -               | -    | -     | -    | 5.0       | 3.0  | 5.0       | 2.0  | -    | -    | -    | 22                  |
| 23                 | -               | 17.0 | -     | -    | 2.4       | 4.0  | -         | -    | -    | -    | -    | 23                  |
| 24                 | -               | -    | -     | -    | 3         | 6.1  | -         | -    | -    | -    | -    | 24                  |
| 25                 | 12.7            | 4.4  | -     | 1.0  | 8.5       | 1.7  | -         | -    | -    | -    | -    | 25                  |
| 26                 | 0               | 10.6 | -     | 4    | -         | 12.0 | -         | 15.2 | -    | -    | -    | 26                  |
| 27                 | -               | 12.4 | -     | 6    | 18.0      | 1.0  | -         | 3.7  | -    | -    | -    | 27                  |
| 28                 | -               | -    | -     | 1.0  | 2.6       | -    | 1.0       | 4    | -    | -    | -    | 28                  |
| 29                 | -               | -    | 3.3   | -    | 20.0      | -    | -         | -    | -    | -    | -    | 29                  |
| 30                 | -               | -    | 12.0  | -    | 1.5       | -    | 1.0       | -    | -    | -    | -    | 30                  |
| 31                 | -               | -    | -     | -    | -         | -    | -         | -    | -    | -    | -    | 31                  |
| TOT                | 62.0            | 53.4 | 28.0  | 48.6 | 183.1     | 79.5 | 67.9      | 44.1 | 24.3 | 2.0  | 0.3  | 1.5                 |
| OBSERVATEUR= METEN |                 |      |       |      |           |      |           |      |      |      |      | TOTAL ANNUEL= 553.8 |
| CGN                | 212             | 212  | 212   | 212  | 212       | 212  | 212       | 212  | 212  | 212  | 212  | 212                 |
| N J                | 1               | 5    | 5     | 9    | 13        | 14   | 12        | 9    | 3    | 1    | 3    | 2 77                |



STATION 43050

HALG CAMEB

ANNEE 1981/1982

|              | SEPT | OCTO | NOV  | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |                     |
|--------------|------|------|------|------|-------|------|------|------|------|------|------|------|---------------------|
| 1            |      |      |      |      |       |      |      |      |      |      |      |      | 1                   |
| 2            |      |      |      |      |       |      |      |      |      |      |      |      | 2                   |
| 3            | 11.5 |      |      | 9.0  |       |      |      |      |      |      |      |      | 3                   |
| 4            |      |      |      | 6.5  |       |      |      |      |      |      |      |      | 4                   |
| 5            |      |      |      |      |       |      |      |      |      |      |      |      | 5                   |
| 6            |      |      |      |      |       |      |      |      |      |      |      |      | 6                   |
| 7            |      |      |      |      |       |      |      |      |      |      |      |      | 7                   |
| 8            |      |      |      |      |       | 5.0  | 5.0  |      | 3.0  |      |      |      | 8                   |
| 9            |      |      |      |      |       |      |      | 10.0 | 9.0  |      |      |      | 9                   |
| 10           |      |      |      |      |       |      |      |      |      |      |      |      | 10                  |
| 11           |      |      |      |      |       |      |      |      | 7.0  |      |      |      | 11                  |
| 12           |      |      |      |      |       |      |      |      |      |      |      |      | 12                  |
| 13           |      |      |      |      |       | 1.5  |      |      |      |      |      |      | 13                  |
| 14           |      |      | 1.5  |      | 45.5  | 4.5  |      |      |      |      |      |      | 14                  |
| 15           |      |      | 1.5  |      |       |      |      |      |      |      |      |      | 15                  |
| 16           |      |      |      |      |       |      |      |      |      |      |      |      | 16                  |
| 17           |      |      |      |      |       |      |      | 8.5  |      |      |      |      | 17                  |
| 18           | 1.0  |      |      |      | 67.0  |      | 7.5  | 15.0 |      |      |      |      | 18                  |
| 19           |      |      |      |      | 15.0  |      |      | 16.5 |      |      |      |      | 19                  |
| 20           |      | 0.5  |      |      | 1.6   |      |      |      |      |      |      |      | 20                  |
| 21           |      |      |      |      |       | 7.0  | 14.0 | 3.5  | 10.0 |      |      |      | 21                  |
| 22           |      |      |      |      |       | 4.5  |      |      |      |      |      |      | 22                  |
| 23           |      |      |      | 4.0  |       |      | 1.0  |      |      |      |      |      | 23                  |
| 24           | 6.5  |      |      |      |       | 11.0 | 1.7  |      |      |      |      |      | 24                  |
| 25           |      | 7.0  |      |      |       | 1.0  | 1.2  | 6.5  |      |      |      |      | 25                  |
| 26           |      |      |      |      | 1.5   |      |      |      |      |      |      |      | 26                  |
| 27           |      |      |      |      |       | 8.0  |      | 6.0  |      |      |      |      | 27                  |
| 28           |      |      | 6.0  |      | 10.5  |      |      |      |      |      |      |      | 28                  |
| 29           |      |      | 8.5  |      |       |      |      |      |      |      |      |      | 29                  |
| 30           |      |      | 2.5  |      |       |      |      | 2.5  |      |      |      |      | 30                  |
| 31           |      |      |      |      |       |      | 3.0  |      |      |      |      |      | 31                  |
| TOT          | 29.0 | 15.0 | 19.0 | 19.5 | 145.1 | 42.5 | 33.4 | 64.5 | 34.0 | 1.0  | 0.3  | 0.3  |                     |
| OBSERVATEUR= |      |      |      |      |       |      |      |      |      |      |      |      | TOTAL ANNUEL= 422.0 |
| COM = 112    | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  | 112  |                     |
| N 1          | 3    | 2    | 5    | 3    | 6     | 8    | 7    | 3    | 4    | 0    | 0    | 3    | 46                  |

STATION 43055

HAMMER AT JEDINI

ANNEE 1981/1982

|              | SEPT | OCTO | NOV  | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |                     |
|--------------|------|------|------|------|-------|------|------|------|------|------|------|------|---------------------|
| 1            |      |      | 4.5  | 6.5  |       |      |      |      |      |      |      |      | 1                   |
| 2            |      |      |      |      |       |      |      |      |      |      |      |      | 2                   |
| 3            |      |      | 9.5  | 6.5  |       |      |      |      |      |      |      |      | 3                   |
| 4            | 5.6  |      | 12.7 | 2.5  |       | 13.2 |      |      |      |      |      |      | 4                   |
| 5            |      |      |      |      |       |      |      |      |      |      |      |      | 5                   |
| 6            |      |      |      |      |       |      |      |      |      |      |      |      | 6                   |
| 7            |      |      |      |      |       |      |      |      |      |      |      |      | 7                   |
| 8            |      |      |      |      |       |      |      |      |      |      |      |      | 8                   |
| 9            |      |      |      |      |       |      |      |      |      |      |      |      | 9                   |
| 10           |      |      |      |      |       |      |      |      | 1.5  |      |      |      | 10                  |
| 11           |      |      |      |      |       |      |      |      | 14.2 |      |      |      | 11                  |
| 12           |      |      |      |      |       |      |      |      | 7.0  |      |      |      | 12                  |
| 13           |      |      |      |      |       |      |      |      |      |      |      |      | 13                  |
| 14           |      |      |      |      |       |      |      |      |      |      |      |      | 14                  |
| 15           |      |      |      |      | 27.6  |      |      |      |      |      |      |      | 15                  |
| 16           |      |      |      |      |       |      |      |      |      |      |      |      | 16                  |
| 17           |      |      |      |      |       |      |      |      |      |      |      |      | 17                  |
| 18           | 8.3  |      |      |      | 70.4  |      |      | 5.0  |      |      |      |      | 18                  |
| 19           |      |      |      |      |       |      |      | 20.5 |      |      |      |      | 19                  |
| 20           |      | 13.5 |      |      |       |      |      |      |      |      |      |      | 20                  |
| 21           |      |      |      |      | 16.4  |      | 6.0  |      |      |      |      |      | 21                  |
| 22           |      |      |      |      |       |      | 17.5 |      |      |      |      |      | 22                  |
| 23           |      |      |      |      |       |      |      |      |      |      |      |      | 23                  |
| 24           |      |      |      |      |       |      |      |      |      |      |      |      | 24                  |
| 25           |      | 15.7 |      |      |       |      |      |      |      |      |      |      | 25                  |
| 26           |      |      |      |      |       |      |      |      |      |      |      |      | 26                  |
| 27           |      |      |      |      |       |      |      |      |      |      |      |      | 27                  |
| 28           |      |      |      |      | 10.5  |      |      |      |      |      |      |      | 28                  |
| 29           |      |      |      |      |       |      |      |      |      |      |      |      | 29                  |
| 30           |      |      |      |      |       |      |      |      |      |      |      |      | 30                  |
| 31           |      |      |      |      |       |      |      |      |      |      |      |      | 31                  |
| TOT          | 11.0 | 27.0 | 19.2 | 16.5 | 182.9 | 30.5 | 27.5 | 25.3 | 30.5 | 0.0  | 0.0  | 0.0  |                     |
| OBSERVATEUR= |      |      |      |      |       |      |      |      |      |      |      |      | TOTAL ANNUEL= 373.1 |
| COM = 112    | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  | 112  |                     |
| N 1          | 3    | 2    | 5    | 3    | 6     | 8    | 7    | 3    | 4    | 0    | 0    | 3    | 46                  |







STATION 41287

NIN LEMNA ROJAT

ANNEE 1981/1982

LAT= 40GR. 74 22

LONG= 96GR. 52 73

ALT= 52 M

|    | SEPT | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRI | MAI | JUN | JUL | AOUT |
|----|------|------|------|------|------|------|------|------|-----|-----|-----|------|
| 1  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 2  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 3  | .    | .    | .    | 8    | .    | .    | .    | .    | .   | .   | .   | .    |
| 4  | .    | .    | .    | 15.6 | .    | 3.1  | .    | .    | .   | .   | .   | .    |
| 5  | .    | .    | .    | 4.7  | .    | 5.2  | .    | .    | .   | .   | .   | .    |
| 6  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 7  | .    | .    | .    | .    | .    | 14.7 | 11.3 | .    | .   | .   | .   | .    |
| 8  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 9  | .    | .    | .    | .    | .    | .    | .    | 7.2  | .   | .   | .   | .    |
| 10 | .    | .    | .    | .    | .    | .    | .    | 6.3  | .   | .   | .   | .    |
| 11 | .    | .    | 3.4  | .    | .    | .    | .    | 3.1  | .   | .   | .   | .    |
| 12 | .    | .    | .    | .    | .    | .    | .    | 4.3  | .   | .   | .   | .    |
| 13 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 14 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 15 | .    | .    | 1.5  | 1.5  | .    | .    | .    | 1.7  | .   | .   | .   | .    |
| 16 | .    | .    | .    | .    | 87.3 | .    | .    | .    | .   | .   | .   | .    |
| 17 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 18 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 19 | .    | .    | .    | .    | 25.8 | .    | .    | .    | .   | .   | .   | .    |
| 20 | .    | .    | .    | .    | 36.8 | .    | .    | .    | .   | .   | .   | .    |
| 21 | .    | 3.6  | .    | .    | 3.2  | .    | 12.5 | .    | .   | .   | .   | .    |
| 22 | .    | .    | .    | .    | 3    | .    | .    | .    | .   | .   | .   | .    |
| 23 | .    | .    | .    | 9.7  | .    | .    | .    | .    | .   | .   | .   | .    |
| 24 | .    | .    | .    | .    | 3.3  | 7.4  | .    | .    | .   | .   | .   | .    |
| 25 | .    | 5.1  | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 26 | .    | .    | .    | .    | .    | 12.1 | 29.8 | .    | .   | .   | .   | .    |
| 27 | .    | .    | .    | .    | 8.1  | 27.4 | .    | .    | .   | .   | .   | .    |
| 28 | .    | .    | .    | .    | 2.8  | .    | .    | .    | .   | .   | .   | .    |
| 29 | .    | .    | .    | .    | 21.4 | .    | .    | .    | .   | .   | .   | .    |
| 30 | .    | .    | 15.2 | .    | .    | .    | .    | .    | .   | .   | .   | .    |
| 31 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .   | .    |

TOT 0.0 7.7 21.1 32.4 188.8 58.0 35.9 25.5 21.9 0.0 0.0 0.0

OBSERVATION= MANAI APARA

TOTAL ANNUEL= 573.3

COM = 112 112 112 112 112 112 112 112 112 112 112 112

N J 0 2 3 5 9 5 3 2 4 0 3 2 33

STATION 43421

MERGLA MUNICIPALITE SM

ANNEE 1981/1982

LAT= 40GR. 03 30

LONG= 96GR. 35 30

ALT= 15 M

|    | SEPT | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRI | MAI | JUN | JUL  | AOUT |
|----|------|------|------|------|------|------|------|------|-----|-----|------|------|
| 1  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 2  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 3  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 4  | .    | .    | .    | 4.0  | .    | .    | .    | .    | .   | .   | .    | .    |
| 5  | .    | .    | .    | 5.0  | .    | 12.0 | .    | .    | .   | .   | .    | .    |
| 6  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 7  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 8  | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 9  | .    | .    | .    | .    | .    | .    | .    | 6.0  | .   | .   | .    | .    |
| 10 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 11 | .    | .    | .    | .    | .    | .    | .    | 9.0  | .   | .   | .    | .    |
| 12 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 13 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 14 | .    | .    | .    | .    | .    | 4.0  | .    | 17.0 | .   | .   | .    | .    |
| 15 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 16 | .    | .    | .    | .    | 72.0 | .    | .    | .    | .   | .   | .    | .    |
| 17 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 18 | .    | .    | .    | .    | .    | .    | 12.0 | .    | .   | .   | .    | .    |
| 19 | .    | .    | .    | .    | 77.0 | .    | .    | 10.0 | .   | .   | .    | .    |
| 20 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 21 | .    | .    | .    | .    | .    | 2.0  | 7.0  | .    | .   | .   | .    | .    |
| 22 | .    | .    | .    | 5.0  | .    | .    | .    | .    | .   | .   | .    | .    |
| 23 | .    | .    | .    | 2.0  | 3.0  | 6.0  | .    | .    | .   | .   | .    | .    |
| 24 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | 11.0 | .    |
| 25 | .    | .    | .    | .    | .    | .    | .    | 7.0  | .   | .   | .    | .    |
| 26 | .    | 22.0 | .    | .    | .    | .    | .    | 3.0  | .   | .   | .    | .    |
| 27 | .    | 8.0  | .    | .    | 4.0  | .    | .    | .    | .   | .   | .    | .    |
| 28 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 29 | .    | .    | .    | .    | 16.0 | .    | .    | .    | .   | .   | .    | .    |
| 30 | .    | .    | 7.0  | .    | .    | .    | .    | .    | .   | .   | .    | .    |
| 31 | .    | .    | .    | .    | .    | .    | .    | .    | .   | .   | .    | .    |

TOT 0.0 21.9 7.0 10.0 172.0 24.0 19.0 37.0 15.0 0.0 0.0 14.0

OBSERVATION= ABESS YARAKA

TOTAL ANNUEL= 332.0

COM = 112 112 112 112 112 112 112 112 112 112 112 112



|                            | LAT= 40GR.93 20 |      |      |      | LONG= 9GR.75 75 |      |      | ALT= 20 M |      |      |      |                    |
|----------------------------|-----------------|------|------|------|-----------------|------|------|-----------|------|------|------|--------------------|
|                            | SEPT            | OCTO | NOVE | DECE | JANV            | FEBV | MARS | AVRIL     | MAI  | JUIN | JUIL | AOUT               |
| 1                          |                 |      |      |      |                 |      |      | 0         |      |      |      | 1                  |
| 2                          |                 |      |      | 3.0  |                 | 2.0  |      |           |      |      |      | 2                  |
| 3                          |                 |      |      | 23.0 |                 | 2.0  |      |           |      |      |      | 3                  |
| 4                          | 4.0             |      |      | 4.0  |                 | 9.0  |      |           |      |      |      | 4                  |
| 5                          |                 |      |      |      |                 | 13.2 |      | 0         |      |      |      | 5                  |
| 6                          |                 |      |      |      |                 |      | 5.0  | 7         |      | 0    |      | 6                  |
| 7                          |                 |      |      |      |                 |      | 6.0  |           |      |      |      | 7                  |
| 8                          |                 |      | 1.0  |      |                 |      | 0    |           | 7.3  |      |      | 8                  |
| 9                          |                 |      |      |      |                 |      | 1.2  |           | 7.0  |      |      | 9                  |
| 10                         |                 |      |      |      |                 |      |      |           | 3.5  |      |      | 10                 |
| 11                         |                 |      | 0    |      |                 |      |      |           | 2.7  |      |      | 11                 |
| 12                         |                 |      |      |      |                 |      |      |           | 4.0  |      |      | 12                 |
| 13                         |                 |      |      |      |                 |      |      |           | 0    |      |      | 13                 |
| 14                         |                 |      |      | 2.0  |                 | 1.3  |      |           | 4.0  |      |      | 14                 |
| 15                         |                 |      | 0    |      | 12.0            | 2.0  |      |           | 0    |      |      | 15                 |
| 16                         | 0               |      |      |      | 0               |      | 3    | 0         |      |      |      | 16                 |
| 17                         |                 |      |      | 4    | 0               |      | 2.0  | 0         |      |      |      | 17                 |
| 18                         |                 |      |      |      | 3.6             |      |      | 2.0       |      |      |      | 18                 |
| 19                         |                 |      |      | 7.0  | 5.7             | 0    | 2.0  | 6.0       |      |      |      | 19                 |
| 20                         | 0               | 5.0  |      | 0    | 6.4             | 1.0  | 6.0  | 7.0       |      |      |      | 20                 |
| 21                         |                 | 0    |      | 0    |                 | 10.0 | 12.3 | 0         |      |      |      | 21                 |
| 22                         |                 | 0    |      | 5.7  | 4.5             | 3.0  |      | 0         |      |      |      | 22                 |
| 23                         |                 | 0    |      | 0    | 11.3            | 2.0  | 6.7  | 0         |      |      |      | 23                 |
| 24                         |                 | 0    |      | 0    | 3.5             | 18.0 |      | 3         |      |      |      | 24                 |
| 25                         |                 | 0    |      | 3.0  | 6.4             | 12.0 | 2.0  | 10.5      |      |      |      | 25                 |
| 26                         |                 | 14.7 | 0    |      | 1.0             | 12.1 | 4.6  | 3.6       |      |      |      | 26                 |
| 27                         |                 | 5    | 2.6  |      | 2.0             |      | 1.4  | 4.7       |      |      |      | 27                 |
| 28                         | 0               |      |      |      | 12.0            |      | 0    | 1.2       |      |      |      | 28                 |
| 29                         | 1               |      | 20.0 |      |                 |      | 0    | 2.4       |      |      |      | 29                 |
| 30                         |                 |      | 2.0  |      |                 |      |      | 1.2       |      |      |      | 30                 |
| 31                         |                 |      |      |      |                 |      |      |           |      |      |      | 31                 |
| TOT                        | 4.1             | 33.2 | 25.2 | 45.9 | 113.4           | 77.5 | 47.3 | 43.6      | 24.5 | 0.0  | 0.3  | 2.3                |
| OBSERVATEUR ROMANED B APPL |                 |      |      |      |                 |      |      |           |      |      |      | TOTAL ANNEE= 430.2 |
| CM + 112                   | 112             | 112  | 112  | 112  | 112             | 112  | 112  | 112       | 112  | 112  | 112  |                    |
| N J                        | 2               | 4    | 5    | 9    | 11              | 12   | 12   | 12        | 5    | 0    | 1    | 2 77               |

STATION 43629

KELIUA SM

ANNEE 1981/1982

|                   | LAT= 40GR.94 20 |      |      |      | LONG= 9GR.76 00 |      |      | ALT= 3 M |      |      |      |                    |
|-------------------|-----------------|------|------|------|-----------------|------|------|----------|------|------|------|--------------------|
|                   | SEPT            | OCTO | NOVE | DECE | JANV            | FEBV | MARS | AVRIL    | MAI  | JUIN | JUIL | AOUT               |
| 1                 | 3               |      |      |      |                 |      |      |          | 2    |      |      | 1                  |
| 2                 |                 |      |      | 2.5  |                 | 0.6  |      |          |      |      |      | 2                  |
| 3                 | 2               |      |      | 22.5 |                 | 8.5  |      |          |      |      |      | 3                  |
| 4                 | 1.3             |      |      | 3.1  |                 | 16.8 |      |          |      |      |      | 4                  |
| 5                 |                 |      |      | 4.1  |                 | 7.4  | 0    |          |      |      |      | 5                  |
| 6                 |                 |      |      |      |                 |      | 11.1 | 1        |      |      |      | 6                  |
| 7                 |                 |      |      |      |                 |      |      |          |      |      |      | 7                  |
| 8                 |                 |      |      |      |                 |      | 1.8  |          | 6.6  |      |      | 8                  |
| 9                 |                 |      |      |      |                 |      | 0    |          | 7.1  |      |      | 9                  |
| 10                |                 |      |      |      |                 |      |      |          | 0    |      |      | 10                 |
| 11                |                 |      |      |      |                 | 2    |      |          | 6.6  |      |      | 11                 |
| 12                |                 |      |      |      |                 |      |      |          | 1    |      |      | 12                 |
| 13                |                 |      |      |      |                 | 1    |      |          |      |      |      | 13                 |
| 14                |                 |      |      |      |                 | 0    |      |          |      |      |      | 14                 |
| 15                |                 |      |      | 1.0  | 69.1            | 0    |      |          |      |      |      | 15                 |
| 16                |                 |      |      |      |                 | 1    |      |          |      |      |      | 16                 |
| 17                |                 |      |      | 1.6  |                 | 1    |      |          |      |      |      | 17                 |
| 18                |                 |      |      |      | 1.2             |      | 2.5  | 4.9      |      |      |      | 18                 |
| 19                |                 |      |      |      | 11.5            |      |      | 5.6      |      |      |      | 19                 |
| 20                | 3               | 5.5  |      | 11.0 | 4.3             | 0    | 3.0  | 2.8      |      |      |      | 20                 |
| 21                |                 |      |      | 1.2  |                 | 9.5  | 17.8 | 1.9      |      |      |      | 21                 |
| 22                |                 | 4.1  |      |      | 16.1            | 1    | 0    |          |      |      |      | 22                 |
| 23                |                 | 0    |      | 6.7  | 12.3            | 0    | 1.8  |          |      |      |      | 23                 |
| 24                | 4               | 2.5  |      |      | 3.8             | 15.0 | 1    |          |      |      |      | 24                 |
| 25                |                 | 7.0  |      | 3    | 1.5             |      | 2.5  | 9.0      |      |      |      | 25                 |
| 26                |                 | 7.9  | 2.0  | 2.2  | 0               | 11.5 |      |          |      |      |      | 26                 |
| 27                |                 | 1.5  |      | 3.8  | 3.7             | 11.3 |      | 2.5      |      |      |      | 27                 |
| 28                |                 | 3    | 3.5  | 2    | 11.5            |      |      | 2.4      |      |      |      | 28                 |
| 29                | 5               |      | 18.8 |      | 3               |      | 2.7  | 1        |      |      |      | 29                 |
| 30                |                 |      | 1.7  |      |                 |      |      | 1.0      |      |      |      | 30                 |
| 31                |                 |      |      |      |                 |      |      |          |      |      |      | 31                 |
| TOT               | 3.0             | 24.8 | 27.8 | 61.1 | 140.2           | 66.1 | 42.0 | 34.1     | 23.0 | 0.1  | 0.0  | 2.0                |
| OBSERVATEUR METEO |                 |      |      |      |                 |      |      |          |      |      |      | TOTAL ANNEE= 644.9 |
| CM + 212          | 212             | 212  | 212  | 212  | 212             | 212  | 212  | 212      | 212  | 212  | 212  |                    |
| N J               | 6               | 3    | 3    | 13   | 12              | 11   | 11   | 11       | 5    | 1    | 0    | 2 35               |



STATION 43731

KORBA VILLE

ANNEE 1981/1982

|                          |      | LAT= 40GR.66 00 |      |      | LONG= 7GR.47 10 |      |      | ALT= 9 M |      |      |      |      |                     |
|--------------------------|------|-----------------|------|------|-----------------|------|------|----------|------|------|------|------|---------------------|
|                          | SEPT | OCTO            | NOVE | DECE | JANV            | FEBV | MARS | AVRI     | MAI  | JUIN | JULI | AOUT |                     |
| 1                        |      |                 |      | 1.0  |                 |      |      |          |      |      |      |      | 1                   |
| 2                        |      |                 |      |      |                 |      |      |          |      |      |      |      | 2                   |
| 3                        |      |                 |      |      |                 |      |      |          |      |      |      |      | 3                   |
| 4                        | 1.6  |                 |      | 10.3 |                 | 5.1  |      |          |      |      |      |      | 4                   |
| 5                        |      |                 |      | 3.7  |                 | 1.1  |      |          |      |      |      |      | 5                   |
| 6                        |      |                 |      |      |                 | 48.2 | 1.7  |          |      |      |      |      | 6                   |
| 7                        |      |                 |      |      |                 |      | 6.8  |          |      |      |      |      | 7                   |
| 8                        |      |                 |      |      |                 |      | 1.0  |          |      |      |      |      | 8                   |
| 9                        |      |                 |      |      |                 |      |      |          | 6.7  |      |      |      | 9                   |
| 10                       |      |                 |      |      |                 |      |      |          | 6.2  |      |      |      | 10                  |
| 11                       |      |                 | 3.1  |      |                 |      |      |          |      |      |      |      | 11                  |
| 12                       |      |                 |      |      |                 |      |      |          | 7.6  |      |      |      | 12                  |
| 13                       |      |                 |      |      |                 |      |      |          |      |      |      |      | 13                  |
| 14                       |      |                 |      |      |                 | 1.2  |      |          |      |      |      |      | 14                  |
| 15                       |      |                 | 2.5  | 1.6  |                 | 3.2  |      | 5.2      |      |      |      |      | 15                  |
| 16                       |      |                 |      |      | 92.4            |      |      |          |      |      |      |      | 16                  |
| 17                       |      |                 |      |      |                 |      |      |          |      |      |      |      | 17                  |
| 18                       |      |                 |      |      |                 |      |      |          |      |      |      |      | 18                  |
| 19                       |      |                 |      |      | 16.2            | 1.2  | 3.5  | 3.3      |      |      |      |      | 19                  |
| 20                       |      |                 |      |      | 48.0            |      |      | 7.1      |      |      |      |      | 20                  |
| 21                       |      | 3.7             |      |      | 1.5             |      | 3.1  | 1.0      |      |      |      |      | 21                  |
| 22                       |      |                 |      |      |                 | 2.3  | 12.3 |          |      |      |      |      | 22                  |
| 23                       |      |                 |      | 5.7  |                 | 1.2  | 4.7  |          |      |      |      |      | 23                  |
| 24                       | 1.6  |                 |      |      |                 | 6.7  | 1.6  |          |      |      |      |      | 24                  |
| 25                       | 1.9  | 4.3             |      | 1.7  | 12.6            | 1.0  |      |          |      |      |      |      | 25                  |
| 26                       | 1.7  | 7.9             |      |      |                 |      | 7.4  | 6.3      |      |      |      |      | 26                  |
| 27                       |      |                 |      |      | 3.5             | 3.1  |      |          |      |      |      |      | 27                  |
| 28                       |      |                 |      | 1.6  | 1.0             | 5.0  |      | 2.6      |      |      |      |      | 28                  |
| 29                       |      |                 |      |      | 25.3            |      |      |          |      |      |      |      | 29                  |
| 30                       |      |                 | 25.0 |      |                 |      | 1.0  |          |      |      |      |      | 30                  |
| 31                       |      |                 |      |      |                 |      |      |          |      |      |      |      | 31                  |
| TOT                      | 2.9  | 16.6            | 29.2 | 23.6 | 197.5           | 65.2 | 59.1 | 25.0     | 20.5 | 0.0  | 0.0  | 0.0  |                     |
| OBSERVATEUR= HASEN KHEIL |      |                 |      |      |                 |      |      |          |      |      |      |      | TOTAL ANNUEL= 555.6 |
| CON = 112                | 112  | 112             | 112  | 112  | 112             | 112  | 112  | 112      | 112  | 112  | 112  | 112  |                     |
| N J                      | 4    | 6               | 4    | 7    | 8               | 12   | 10   | 6        | 3    | 0    | 0    | 0    | 58                  |

STATION 43731

KORBA OUD CHIEA

ANNEE 1981/1982

|                            |      | LAT= 40GR.77 77 |      |      | LONG= 9GR.37 02 |      |      | ALT= 90 M |      |      |      |      |                     |
|----------------------------|------|-----------------|------|------|-----------------|------|------|-----------|------|------|------|------|---------------------|
|                            | SEPT | OCTO            | NOVE | DECE | JANV            | FEBV | MARS | AVRI      | MAI  | JUIN | JULI | AOUT |                     |
| 1                          | 1.1  |                 | 4.1  |      |                 |      |      |           | 1.4  |      |      |      | 1                   |
| 2                          | 1.2  |                 |      |      |                 | 1.2  |      |           |      |      |      |      | 2                   |
| 3                          |      |                 |      | 13.9 |                 | 7.4  |      |           |      |      |      |      | 3                   |
| 4                          | 5.3  | 1.2             |      | 7.8  |                 | 4.0  |      |           |      |      |      |      | 4                   |
| 5                          |      | 2.1             |      | 1.0  |                 | 17.0 | 1.3  |           |      |      |      |      | 5                   |
| 6                          |      |                 |      |      |                 |      | 15.7 |           |      |      |      |      | 6                   |
| 7                          |      |                 | 1.7  |      |                 |      |      |           |      |      |      |      | 7                   |
| 8                          |      |                 | 1.3  |      |                 |      | 1.0  |           | 9.5  |      |      | 2.2  | 8                   |
| 9                          |      |                 |      |      |                 |      |      |           | 9.9  |      |      | 1.3  | 9                   |
| 10                         |      |                 | 4.1  |      |                 |      |      |           |      |      |      |      | 10                  |
| 11                         |      |                 |      |      |                 |      |      |           | 3.4  |      |      |      | 11                  |
| 12                         |      |                 |      |      |                 |      |      |           |      |      |      |      | 12                  |
| 13                         |      |                 |      |      |                 |      |      |           |      |      |      |      | 13                  |
| 14                         |      |                 | 1.4  | 4.9  |                 | 2.0  |      | 4.2       |      |      |      |      | 14                  |
| 15                         |      |                 |      |      | 93.4            | 2.2  |      |           |      |      |      |      | 15                  |
| 16                         |      | 1.1             | 1.5  |      | 1.6             |      |      |           |      |      |      |      | 16                  |
| 17                         |      |                 |      |      |                 |      |      |           |      |      |      |      | 17                  |
| 18                         | 1.3  |                 |      |      | 26.4            | 1.8  | 1.7  | 6.2       |      |      |      |      | 18                  |
| 19                         |      |                 |      | 2.2  | 60.1            |      |      | 5.9       |      |      |      |      | 19                  |
| 20                         |      | 5.1             |      |      | 1.4             |      | 3.7  | 4.9       |      |      |      |      | 20                  |
| 21                         |      |                 |      |      | 1.6             | 9.7  | 21.0 |           |      |      |      |      | 21                  |
| 22                         |      |                 |      | 3.1  | 1.7             | 1.0  | 13.2 |           |      |      |      |      | 22                  |
| 23                         |      | 1.1             |      | 1.1  | 1.4             | 3.0  | 3.4  |           |      |      |      |      | 23                  |
| 24                         | 1.2  | 3.5             |      | 1.7  | 21.0            | 2.1  | 1.3  |           |      |      |      |      | 24                  |
| 25                         |      | 5.4             |      |      |                 |      | 7.5  | 2.4       |      |      |      |      | 25                  |
| 26                         |      | 4.5             | 1.0  | 1.3  | 12.7            | 9.2  | 1.1  |           |      |      |      |      | 26                  |
| 27                         |      |                 |      |      | 2.9             | 4.5  | 1.2  | 7.0       |      |      |      |      | 27                  |
| 28                         |      |                 | 1.0  |      | 27.6            |      |      |           |      |      |      |      | 28                  |
| 29                         |      |                 | 21.3 |      |                 |      | 1.3  |           |      |      |      |      | 29                  |
| 30                         |      |                 |      |      |                 |      |      | 1.4       | 1.0  |      |      |      | 30                  |
| 31                         |      | 1.3             |      |      |                 |      |      |           |      |      |      |      | 31                  |
| TOT                        | 7.3  | 19.5            | 27.1 | 40.0 | 252.6           | 62.7 | 60.4 | 39.0      | 23.2 | 0.0  | 0.0  | 13.5 |                     |
| OBSERVATEUR= ALI BEN SALAH |      |                 |      |      |                 |      |      |           |      |      |      |      | TOTAL ANNUEL= 555.2 |
| CON = 112                  | 112  | 112             | 112  | 112  | 112             | 112  | 112  | 112       | 112  | 112  | 112  | 112  |                     |
| N J                        | 5    | 7               | 4    | 9    | 12              | 11   | 15   | 7         | 4    | 0    | 0    | 2    | 53                  |



STATION 45241

NORMAND 7 SP

ANNEE 1981/1982

101

|                            |     | LAT= 48° 00' 20" |      | LONG= 06° 15' 10" |      | ALT= 17 M |      |      |      |      |      |      |                     |
|----------------------------|-----|------------------|------|-------------------|------|-----------|------|------|------|------|------|------|---------------------|
|                            |     | SEPT             | OCTO | NOVE              | DECE | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1                          |     |                  |      |                   |      |           |      |      |      |      |      |      | 1                   |
| 2                          |     |                  |      |                   |      |           |      |      |      |      |      |      | 2                   |
| 3                          |     |                  |      |                   | 1.2  |           |      |      |      |      |      |      | 3                   |
| 4                          |     |                  |      |                   | 12.4 |           | 6.2  |      |      |      |      |      | 4                   |
| 5                          |     |                  |      |                   | 2.0  |           |      |      |      |      |      |      | 5                   |
| 6                          |     |                  |      |                   |      |           |      | 3.0  |      |      | 1.2  |      | 6                   |
| 7                          |     |                  |      |                   |      |           |      | 18.4 | 1.0  |      |      |      | 7                   |
| 8                          |     |                  |      |                   |      |           |      |      |      | 5.6  |      |      | 8                   |
| 9                          |     |                  |      |                   |      |           |      |      |      | 10.0 |      |      | 9                   |
| 10                         |     |                  |      |                   |      |           |      |      |      |      |      |      | 10                  |
| 11                         |     |                  |      | 6.6               |      |           |      |      |      | 3.2  |      |      | 11                  |
| 12                         |     |                  |      |                   |      |           |      |      |      |      |      |      | 12                  |
| 13                         |     |                  |      |                   |      |           |      |      |      |      |      |      | 13                  |
| 14                         |     |                  |      |                   |      |           |      |      |      |      |      |      | 14                  |
| 15                         |     |                  |      |                   | 2.2  |           | 7.0  |      | 11.0 |      |      |      | 15                  |
| 16                         |     |                  |      |                   |      | 40.0      |      |      | 1.0  |      |      |      | 16                  |
| 17                         |     |                  |      |                   |      |           |      |      | 5.0  |      |      |      | 17                  |
| 18                         |     |                  |      |                   |      |           |      |      |      |      |      |      | 18                  |
| 19                         |     |                  |      |                   | 1.4  | 14.0      |      | 1.2  |      |      |      |      | 19                  |
| 20                         |     |                  |      |                   | 5.0  | 22.0      |      |      | 13.0 |      |      |      | 20                  |
| 21                         |     |                  | 15.0 |                   |      | 2.0       |      | 3.0  | 10.0 |      |      |      | 21                  |
| 22                         |     |                  |      |                   |      | 4.0       | 6.2  | 10.0 | 2.0  |      |      |      | 22                  |
| 23                         |     |                  | 10.0 |                   | 7.0  | 12.2      |      | 4.0  |      |      |      |      | 23                  |
| 24                         |     |                  |      |                   |      |           | 6.0  | 4.4  |      |      |      |      | 24                  |
| 25                         |     |                  | 8.0  |                   | 1.4  | 41.0      | 3.0  |      |      |      |      |      | 25                  |
| 26                         |     |                  | 12.0 |                   |      | 3.0       |      | 6.4  |      |      |      |      | 26                  |
| 27                         |     |                  | 1.0  |                   | 1.5  | 10.0      | 13.0 |      |      |      |      |      | 27                  |
| 28                         |     |                  |      |                   |      | 6.0       | 15.0 |      |      |      |      |      | 28                  |
| 29                         |     |                  |      |                   |      | 20.0      |      |      |      |      |      |      | 29                  |
| 30                         |     |                  |      | 20.0              |      |           |      | 1.0  |      |      |      |      | 30                  |
| 31                         |     |                  | 1.0  |                   |      |           |      |      |      |      |      |      | 31                  |
| TOT                        |     | 4.1              | 47.3 | 27.7              | 34.5 | 194.2     | 56.4 | 43.2 | 45.0 | 33.9 | 1.2  | 0.0  | 51.5                |
| OBSERVATIONS CHEVRE MARJIN |     |                  |      |                   |      |           |      |      |      |      |      |      | TOTAL ANNUEL= 514.0 |
| COM =                      | 212 | 712              | 212  | 212               | 212  | 212       | 212  | 212  | 212  | 212  | 212  | 212  | 212                 |
| N J                        | 5   | 7                | 5    | 10                | 11   | 7         | 10   | 9    | 4    | 1    | 0    | 2    | 71                  |

STATION 45927

LABORATOIRE DE L'ARIANE

ANNEE 1981/1982

|                           |     | LAT= 48° 04' 25" |      | LONG= 06° 12' 09" |       | ALT= 18 M |      |      |      |      |      |      |                     |
|---------------------------|-----|------------------|------|-------------------|-------|-----------|------|------|------|------|------|------|---------------------|
|                           |     | SEPT             | OCTO | NOVE              | DECE  | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT                |
| 1                         |     |                  |      |                   | 2.5   |           |      |      |      |      |      |      | 1                   |
| 2                         |     |                  |      |                   | 0.0   |           |      |      |      |      |      |      | 2                   |
| 3                         |     |                  |      |                   |       |           |      |      |      |      |      |      | 3                   |
| 4                         |     |                  |      |                   | 9.5   |           |      |      |      |      |      |      | 4                   |
| 5                         |     |                  |      |                   | 18.4  |           |      | 7.1  |      |      |      |      | 5                   |
| 6                         |     |                  |      |                   |       |           |      |      |      |      |      |      | 6                   |
| 7                         |     |                  |      |                   |       |           |      |      |      |      |      |      | 7                   |
| 8                         |     |                  |      |                   |       |           |      |      |      |      |      |      | 8                   |
| 9                         |     |                  |      |                   |       |           |      |      |      |      |      |      | 9                   |
| 10                        |     |                  |      |                   |       |           |      |      |      |      |      |      | 10                  |
| 11                        |     |                  |      |                   |       |           |      |      |      | 12.6 |      |      | 11                  |
| 12                        |     |                  |      |                   |       |           |      |      |      | 7.7  |      |      | 12                  |
| 13                        |     |                  |      |                   |       |           |      |      |      |      |      |      | 13                  |
| 14                        |     |                  |      |                   | 12.5  |           |      |      |      |      |      |      | 14                  |
| 15                        |     |                  |      |                   | 0.0   |           |      |      | 4.3  |      |      |      | 15                  |
| 16                        |     |                  |      |                   |       | 67.5      | 0.0  |      | 0.5  |      |      |      | 16                  |
| 17                        |     |                  |      |                   |       |           |      |      |      |      |      |      | 17                  |
| 18                        |     |                  |      |                   | 6.3   |           |      |      |      |      |      |      | 18                  |
| 19                        |     |                  |      |                   | 2.3   | 10.0      |      |      | 4.9  |      |      |      | 19                  |
| 20                        |     |                  |      |                   | 2.5   | 30.0      |      | 5.5  | 42.5 |      |      |      | 20                  |
| 21                        |     |                  | 6.2  |                   |       |           |      |      | 5.5  |      |      |      | 21                  |
| 22                        |     |                  |      |                   |       |           | 0.0  | 2.1  |      |      |      |      | 22                  |
| 23                        |     |                  |      |                   |       |           | 7.4  |      |      |      |      |      | 23                  |
| 24                        |     |                  |      |                   |       |           | 11.2 |      |      |      |      |      | 24                  |
| 25                        |     |                  |      |                   |       | 3.0       | 0.0  |      | 1.5  |      |      |      | 25                  |
| 26                        |     |                  |      |                   |       | 10.5      | 6.5  | 4.9  |      |      |      |      | 26                  |
| 27                        |     |                  |      |                   |       |           | 12.5 | 7.2  |      |      |      |      | 27                  |
| 28                        |     |                  |      |                   |       | 14.5      |      |      |      |      |      |      | 28                  |
| 29                        |     |                  |      |                   |       | 16.2      |      | 3.2  |      |      |      |      | 29                  |
| 30                        |     |                  |      |                   |       | 1.0       |      | 5.2  |      |      |      |      | 30                  |
| 31                        |     |                  |      |                   |       |           |      | 5.5  |      |      |      |      | 31                  |
| TOT                       |     | 14               | 20.1 | 58.7              | 148.0 | 77.1      | 34.0 | 50.1 | 27.1 | 0.0  | 0.0  | 0.0  | 15.0                |
| OBSERVATIONS BRANCH PZOUH |     |                  |      |                   |       |           |      |      |      |      |      |      | TOTAL ANNUEL= 444.0 |
| COM =                     | 132 | 132              | 058  | 112               | 112   | 112       | 112  | 112  | 112  | 112  | 112  | 112  | 353                 |
| N J                       | 44  | 22               | 11   | 7                 | 7     | 4         | 7    | 6    | 2    | 0    | 0    | 0    | 44                  |



| STATION 44155 |      | MARCH 1952       |      |                    |      | APRIL 1952       |       |                    |      | MAY 1952         |     |                    |               |
|---------------|------|------------------|------|--------------------|------|------------------|-------|--------------------|------|------------------|-----|--------------------|---------------|
|               |      | LAT= 40° 43' 10" |      | LONG= 121° 21' 00" |      | LAT= 41° 00' 00" |       | LONG= 121° 21' 00" |      | LAT= 41° 00' 00" |     | LONG= 121° 21' 00" |               |
| SEPT          | OCTO | NOV              | DEC  | JANV               | FEB  | MARS             | AVRIL | MAY                | JUN  | JUL              | AUG | SEPT               | OCTO          |
| 1             | 2.0  |                  |      |                    |      |                  | 4.5   |                    |      |                  |     |                    |               |
| 2             | 1.5  |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 3             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 4             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 5             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 6             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 7             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 8             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 9             |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 10            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 11            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 12            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 13            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 14            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 15            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 16            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 17            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 18            | 20.0 |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 19            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 20            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 21            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 22            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 23            | 3.0  |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 24            | 2.5  |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 25            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 26            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 27            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 28            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 29            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 30            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| 31            |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    |               |
| TOT           | 79.0 | 20.5             | 15.2 | 10.3               | 11.0 | 21.3             | 24.0  | 45.0               | 33.5 | 0.0              | 0.3 | 0.0                |               |
| OBSERVATEUR=  |      |                  |      |                    |      |                  |       |                    |      |                  |     |                    | TOTAL ANNUEL= |
| 074           | 112  | 112              | 112  | 112                | 112  | 112              | 112   | 112                | 112  | 112              | 112 | 112                |               |
| H             | 5    | 5                | 0    | 3                  | 8    | 5                | 6     | 0                  | 3    | 0                | 0   | 0                  |               |

[illegible]



| TEMPERATURE      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LAT. NUGR. 17 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LONG.            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SOL. 77 77       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ALT.             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S1 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S2 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S3 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S4 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S5 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S6 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S7 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S8 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S9 77            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S10 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S11 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S12 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S13 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S14 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S15 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S16 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S17 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S18 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S19 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S20 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S21 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S22 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S23 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S24 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S25 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S26 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S27 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S28 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S29 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S30 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S31 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S32 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S33 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S34 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S35 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S36 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S37 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S38 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S39 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S40 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S41 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S42 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S43 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S44 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S45 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S46 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S47 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S48 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S49 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S50 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S51 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S52 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S53 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S54 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S55 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S56 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S57 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S58 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S59 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S60 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S61 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S62 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S63 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S64 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S65 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S66 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S67 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S68 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S69 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S70 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S71 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S72 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S73 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S74 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S75 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S76 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S77 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S78 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S79 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S80 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S81 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S82 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S83 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S84 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S85 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S86 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S87 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S88 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S89 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S90 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S91 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S92 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S93 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S94 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S95 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S96 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S97 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S98 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S99 77           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S100 77          |  |  |  |  |  |  |  |  |  |  |  |  |  |

| STATION 44422               |      | MILL TENDINE MUNICIPALITE |      |       |       |             |      |      |      | ANNEE 1981/1982 |      |      |  |
|-----------------------------|------|---------------------------|------|-------|-------|-------------|------|------|------|-----------------|------|------|--|
|                             |      | LAT= 40GR. 06 ES          |      | LONG= |       | 9GR. 51 90- |      | ALT= | 20 M |                 |      |      |  |
| SEPT                        | OCTO | NOVE                      | DECE | JANV  | FEBV  | MARS        | AVRI | MAI  | JUIN | JUIL            | AOUT |      |  |
| 1                           |      |                           | 1.6  |       |       |             |      |      |      |                 |      |      |  |
| 2                           | 1.0  |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 3                           |      |                           | 1.2  |       | 4.3   |             |      |      |      |                 |      |      |  |
| 4                           |      |                           | 23.5 |       | 8.1   |             |      |      |      |                 |      |      |  |
| 5                           |      |                           | 5.1  |       | 1.7   |             |      |      |      |                 |      |      |  |
| 6                           |      |                           |      |       | 28.0  | 14.0        | 5.0  |      |      |                 | 2.7  |      |  |
| 7                           |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 8                           |      |                           |      |       |       |             |      | 16.9 |      |                 |      |      |  |
| 9                           |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 10                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 11                          |      | 1.3                       |      |       |       |             |      |      |      |                 |      |      |  |
| 12                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 13                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 14                          |      |                           | 1.5  | 85.6  |       |             | 6.6  |      |      |                 |      |      |  |
| 15                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 16                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 17                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 18                          |      |                           |      | 4.5   |       |             | 6.0  |      |      |                 |      |      |  |
| 19                          |      |                           | 4.6  | 12.1  |       |             | 6.1  |      |      |                 |      |      |  |
| 20                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 21                          | 2.4  |                           |      | 1.3   | 5.2   | 13.5        |      |      |      |                 |      |      |  |
| 22                          |      |                           | 11.1 | 4.0   |       | 2.2         |      |      |      |                 |      |      |  |
| 23                          |      |                           |      |       | 2.1   |             |      |      |      |                 |      |      |  |
| 24                          |      |                           |      | 24.2  |       |             |      |      |      |                 |      |      |  |
| 25                          | 12.3 |                           |      |       |       |             |      |      |      |                 |      |      |  |
| 26                          | 11.5 |                           | 1.0  |       |       | 11.0        | 10.0 |      |      |                 |      |      |  |
| 27                          |      | 2.3                       |      | 3.2   | 15.0  |             |      |      |      |                 |      |      |  |
| 28                          | 1.4  |                           |      | 9.0   | 21.2  |             | 2.0  |      |      |                 |      |      |  |
| 29                          |      |                           |      | 23.4  |       |             |      |      |      |                 |      |      |  |
| 30                          |      | 10.3                      |      |       |       |             | 3.0  |      |      |                 |      |      |  |
| 31                          |      |                           |      |       |       |             |      |      |      |                 |      |      |  |
| TOT                         | 1.0  | 27.3                      | 13.6 | 51.6  | 170.3 | 85.2        | 60.7 | 36.1 | 16.0 | 3.0             | 0.7  |      |  |
| OBSERVATEUR BOUDAKER HAMPAI |      |                           |      |       |       |             |      |      |      | TOTAL ANNEE     |      | 66.9 |  |



STATION 44441

M7FC NANTA NIP HAREAD

ANNEX 1961/1962

DATE 4000.00 40

LONGEN

DOGR.31 50

ALTR 155 M

SEPT

OCTO

NOVE

DECE

JANV

FEVR

MARS

AVRIL

MAY

JUN

JUL

AOUT

|             |     |      |      |     |      |     |      |      |      |      |     |     |    |
|-------------|-----|------|------|-----|------|-----|------|------|------|------|-----|-----|----|
| 1           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 2           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 3           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 4           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 5           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 6           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 7           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 8           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 9           |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 10          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 11          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 12          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 13          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 14          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 15          | 1.0 |      |      |     |      |     |      |      |      |      |     |     |    |
| 16          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 17          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 18          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 19          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 20          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 21          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 22          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 23          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 24          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 25          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 26          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 27          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 28          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 29          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 30          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| 31          |     |      |      |     |      |     |      |      |      |      |     |     |    |
| TOT         | 1.0 | 30.8 | 10.2 | 4.4 | 11.2 | 8.1 | 20.3 | 20.5 | 24.7 | 21.0 | 0.5 | 1.7 |    |
| OBSERVATION |     |      |      |     |      |     |      |      |      |      |     |     |    |
| COU         | 112 | 112  | 112  | 112 | 112  | 112 | 112  | 112  | 112  | 112  | 112 | 112 |    |
| N J         | 1   | 4    | 6    | 2   | 6    | 10  | 5    | 7    | 4    | 0    | 2   | 1   | 52 |

TOTAL ANNUEL 508.7 40.5

STATION 44505

MOGRAVE CSA 50

ANNEX 1961/1962

DATE 4000.00 40

LONGEN

DOGR.31 50

ALTR 155 M

SEPT

OCTO

NOVE

DECE

JANV

FEVR

MARS

AVRIL

MAY

JUN

JUL

AOUT

|             |      |      |      |      |      |      |      |      |      |      |     |     |  |
|-------------|------|------|------|------|------|------|------|------|------|------|-----|-----|--|
| 1           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 2           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 3           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 4           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 5           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 6           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 7           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 8           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 9           |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 10          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 11          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 12          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 13          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 14          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 15          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 16          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 17          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 18          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 19          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 20          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 21          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 22          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 23          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 24          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 25          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 26          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 27          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 28          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 29          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 30          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| 31          |      |      |      |      |      |      |      |      |      |      |     |     |  |
| TOT         | 10.7 | 32.4 | 15.4 | 44.5 | 19.2 | 11.2 | 41.9 | 52.0 | 27.5 | 21.0 | 0.2 | 3.0 |  |
| OBSERVATION |      |      |      |      |      |      |      |      |      |      |     |     |  |
| COU         | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112 |  |

TOTAL ANNUEL 508.7 40.5



STATION 64542

HAUEUL SING ZENGL

ANNEE 1981/1982

| LAT= 40GR.70 15 LONG= 5GR.52 10 ALT= 55 M |      |      |      |      |       |      |      |      |      |      |      |      |    |
|---|------|------|------|------|-------|------|------|------|------|------|------|------|----|
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAT  | JUIN | JUIL | AOUT |      |    |
| 1   |      |      |      |      |       |      |      |      |      |      | 1    |      |    |
| 2   |      |      |      |      |       |      |      |      |      |      | 2    |      |    |
| 3   |      |      |      |      |       |      |      |      |      |      | 3    |      |    |
| 4   | 1.4  |      |      | 19.9 |       |      |      | 5.4  |      |      | 4    |      |    |
| 5   |      |      |      | 3.4  |       | 2.2  |      |      |      |      | 5    |      |    |
| 6   |      |      |      | 1.8  |       | 1.3  | .6   |      |      |      | 6    |      |    |
| 7   |      |      |      |      |       | 16.1 |      |      |      |      | 7    |      |    |
| 8   |      |      |      |      |       | 4.6  |      | 7.2  |      |      | 8    |      |    |
| 9   |      |      |      |      |       | 4.0  |      | 3.8  |      |      | 9    |      |    |
| 10  |      |      |      |      |       |      |      | 3    |      |      | 10   |      |    |
| 11  |      |      |      |      |       |      |      | 4.4  |      |      | 11   |      |    |
| 12  |      | 2.2  |      |      |       |      |      | 3    |      |      | 12   |      |    |
| 13  |      |      |      |      |       |      |      |      |      |      | 13   |      |    |
| 14  |      |      |      |      |       |      | 12.9 |      |      |      | 14   |      |    |
| 15  |      | 1.3  | 3.8  | 73.2 | 6.0   |      | .6   |      |      |      | 15   |      |    |
| 16  |      |      |      | 1.7  |       |      |      |      |      |      | 16   |      |    |
| 17  |      |      |      | 3    |       |      |      |      |      |      | 17   |      |    |
| 18  | 4.0  |      |      | 18.4 |       | 3.5  |      | 6.6  |      |      | 18   |      |    |
| 19  |      |      | 1.9  | 25.2 |       |      |      | 6.9  |      |      | 19   |      |    |
| 20  |      |      | 1.8  | 3.2  |       |      |      | 4.5  |      |      | 20   |      |    |
| 21  |      | 5.0  |      |      | 10.3  | 6.9  | 4.7  |      |      |      | 21   |      |    |
| 22  |      |      |      | 3.1  | 2.6   | 12.0 |      |      |      |      | 22   |      |    |
| 23  |      |      |      |      | 2.7   | 3.8  |      |      |      |      | 23   |      |    |
| 24  |      |      | 3.9  | .8   | 2.1   | 1.3  |      |      |      |      | 24   |      |    |
| 25  | 5.1  |      |      | .5   | 2.1   | 1.3  |      |      |      |      | 25   |      |    |
| 26  |      | 4.0  |      | 1.3  |       | 1.6  | 7.9  |      |      |      | 26   |      |    |
| 27  |      |      |      |      |       |      |      |      |      |      | 27   |      |    |
| 28  |      | 7.5  |      | 4.6  |       | 9.2  |      |      |      |      | 28   |      |    |
| 29  |      |      |      | 1    | 8.2   | 3.5  |      | 3    |      |      | 29   |      |    |
| 30  |      | 3.4  |      | 9.5  |       |      |      |      |      |      | 30   |      |    |
| 31  |      | 1.3  |      | 14.3 | 2.5   |      |      |      |      |      | 31   |      |    |
|   |      | 2.0  |      | 2.9  |       |      | .9   | 1.3  |      |      |      |      |    |
|   |      | 7.5  |      |      |       |      |      |      |      |      |      |      |    |
| TOT                                       | 11.4 | 22.4 | 13.4 | 32.9 | 161.7 | 43.2 | 51.8 | 46.6 | 23.4 | 2.0  | 9.2  | 31.0 |    |
| OBSERVATEUR= HOMIEDDINE                   |      |      |      |      |       |      |      |      |      |      |      |      |    |
| COM = 112                                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  |      |    |
| N J                                       | 4    | 7    | 6    | 9    | 13    | 5    | 12   | 11   | 5    | 0    | 3    | 9    | 75 |

STATION 64624

HAUEUL PARC AGRI

ANNEE 1981/1982

| LAT= 40GR.50 20 LONG= 5GR.53 05 ALT= 11 M |      |      |      |      |       |      |      |      |      |      |      |      |
|---|------|------|------|------|-------|------|------|------|------|------|------|------|
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |      |
| 1   |      |      |      |      |       |      |      |      |      |      |      | 1    |
| 2   |      |      |      |      |       |      |      |      |      |      |      | 2    |
| 3   |      |      |      |      |       |      |      |      |      |      |      | 3    |
| 4   |      |      |      |      |       |      |      |      |      |      |      | 4    |
| 5   | 3.0  |      |      |      |       |      |      |      |      |      |      | 5    |
| 6   |      |      |      |      |       |      |      |      |      |      |      | 6    |
| 7   |      |      |      |      |       |      |      |      |      |      |      | 7    |
| 8   |      |      |      |      |       |      |      |      |      |      |      | 8    |
| 9   |      |      |      |      |       |      |      |      |      |      |      | 9    |
| 10  |      |      |      |      |       |      |      |      |      |      |      | 10   |
| 11  |      |      |      |      |       |      |      |      |      |      |      | 11   |
| 12  |      |      |      |      |       |      |      |      |      |      |      | 12   |
| 13  |      |      |      |      |       |      |      |      |      |      |      | 13   |
| 14  |      |      |      |      |       |      |      |      |      |      |      | 14   |
| 15  |      |      |      |      |       |      |      |      |      |      |      | 15   |
| 16  |      |      |      |      |       |      |      |      |      |      |      | 16   |
| 17  |      |      |      |      |       |      |      |      |      |      |      | 17   |
| 18  |      |      |      |      |       |      |      |      |      |      |      | 18   |
| 19  | 5.0  |      |      |      |       |      |      |      |      |      |      | 19   |
| 20  |      |      |      |      |       |      |      |      |      |      |      | 20   |
| 21  |      |      |      |      |       |      |      |      |      |      |      | 21   |
| 22  |      |      |      |      |       |      |      |      |      |      |      | 22   |
| 23  |      |      |      |      |       |      |      |      |      |      |      | 23   |
| 24  |      |      |      |      |       |      |      |      |      |      |      | 24   |
| 25  |      |      |      |      |       |      |      |      |      |      |      | 25   |
| 26  |      |      |      |      |       |      |      |      |      |      |      | 26   |
| 27  |      |      |      |      |       |      |      |      |      |      |      | 27   |
| 28  |      |      |      |      |       |      |      |      |      |      |      | 28   |
| 29  |      |      |      |      |       |      |      |      |      |      |      | 29   |
| 30  |      |      |      |      |       |      |      |      |      |      |      | 30   |
| 31  |      |      |      |      |       |      |      |      |      |      |      | 31   |
| TOT                                       | 8.0  | 14.0 | 13.4 | 10.5 | 172.0 | 42.1 | 45.0 | 25.0 | 15.0 | 3.0  | 0.2  | 31.0 |
| OBSERVATEUR= FARHAT                       |      |      |      |      |       |      |      |      |      |      |      |      |
| TOTAL ANNUEL= 594.6                       |      |      |      |      |       |      |      |      |      |      |      |      |
| COM = 112                                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  | 112  |
| 1   | 2    | 3    | 4    | 5    | 6     | 7    | 8    | 9    | 10   | 11   | 12   | 13   |







STATION 4477A

DUEB HATTEB

ANNEE 1951/1952

|     | LAT= 40° 45' 10" N |      | LONG= 70° 10' 25" W |      | ALT= 17 M |      |      |       |      |      |      |      |       |
|-----|--------------------|------|---------------------|------|-----------|------|------|-------|------|------|------|------|-------|
|     | SEPT               | OCTO | NOVE                | DECE | JANV      | FEBR | MARS | AVRIL | MAI  | JUIN | JULI | AOUT |       |
| 1   |                    |      |                     |      |           |      |      |       |      |      |      |      | 1     |
| 2   |                    |      |                     | 5.5  |           |      |      |       |      |      |      |      | 2     |
| 3   |                    |      |                     | 13.4 |           | 12.4 |      |       |      |      |      |      | 3     |
| 4   |                    |      |                     | 12.7 |           |      |      |       |      |      |      |      | 4     |
| 5   | 7.5                |      |                     | 12.4 |           | 75.4 |      |       |      |      |      |      | 5     |
| 6   |                    |      |                     |      |           |      | 4.0  |       |      |      |      |      | 6     |
| 7   |                    |      |                     |      |           |      |      |       | 7.5  |      |      |      | 7     |
| 8   |                    |      |                     |      |           |      | 2.0  |       | 5.4  |      |      |      | 8     |
| 9   |                    |      |                     |      |           |      |      |       |      |      |      |      | 9     |
| 10  |                    |      |                     |      |           |      |      |       | 7.6  |      |      |      | 10    |
| 11  |                    |      |                     |      |           |      |      |       |      |      |      |      | 11    |
| 12  |                    |      |                     |      |           |      |      |       |      |      |      |      | 12    |
| 13  |                    |      |                     |      |           |      |      |       |      |      |      |      | 13    |
| 14  |                    |      |                     | 4.1  |           | 1.2  |      | 5.3   |      |      |      |      | 14    |
| 15  |                    |      |                     |      | 75.0      |      |      |       |      |      |      |      | 15    |
| 16  |                    |      |                     |      | 5.9       | 5.1  |      |       |      |      |      |      | 16    |
| 17  |                    |      |                     |      |           |      |      |       |      |      |      |      | 17    |
| 18  |                    |      |                     |      |           |      |      |       | 7.0  |      |      |      | 18    |
| 19  |                    |      |                     |      | 44.0      |      | 6.7  | 5.5   |      |      |      |      | 19    |
| 20  |                    |      |                     |      |           |      |      |       |      |      |      |      | 20    |
| 21  |                    |      |                     |      |           |      | 9.0  |       |      |      |      |      | 21    |
| 22  |                    |      |                     | 3.1  |           | 4.1  |      |       |      |      |      |      | 22    |
| 23  |                    | 7.3  |                     | 5.6  |           |      |      |       |      |      |      |      | 23    |
| 24  |                    |      |                     |      | 1.5       | 7.1  | 5.4  |       |      |      |      |      | 24    |
| 25  |                    | 15.0 |                     |      |           |      |      |       |      |      |      |      | 25    |
| 26  |                    |      |                     |      |           |      |      | 10.5  |      |      |      |      | 26    |
| 27  |                    |      |                     |      | 2.4       | 6.6  |      |       |      |      |      |      | 27    |
| 28  |                    |      |                     |      |           |      |      |       |      |      |      |      | 28    |
| 29  |                    |      | 2.0                 |      | 6.1       |      |      | 1.5   |      |      |      |      | 29    |
| 30  |                    |      | 7.1                 |      |           |      |      |       |      |      |      |      | 30    |
| 31  |                    |      |                     |      |           |      |      |       |      |      |      |      | 31    |
| TOT | 7.5                | 23.0 | 7.4                 | 50.0 | 137.0     | 70.0 | 24.6 | 32.3  | 20.5 | 2.0  | 0.1  | 0.0  | 275.5 |

OBSERVATIONS

TOTAL ANNUEL

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| COT | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| N J | 1   | 2   | 2   | 2   | 4   | 7   | 5   | 5   | 1   | 0   | 2   | 2   | 53  |

STATION 44824

DUEB ENIBA BARRAGE

ANNEE 1951/1952

|     | LAT= 40° 45' 27" N |      | LONG= 70° 10' 35" W |      | ALT= 161 M |      |      |       |      |      |      |      |       |
|-----|--------------------|------|---------------------|------|------------|------|------|-------|------|------|------|------|-------|
|     | SEPT               | OCTO | NOVE                | DECE | JANV       | FEBR | MARS | AVRIL | MAI  | JUIN | JULI | AOUT |       |
| 1   |                    |      |                     |      |            |      |      |       | 2.2  |      |      |      | 1     |
| 2   |                    |      |                     |      |            |      |      |       |      |      |      |      | 2     |
| 3   |                    |      |                     |      |            |      |      |       |      |      |      |      | 3     |
| 4   | 5.3                |      |                     | 15.2 |            | 7.1  |      |       |      |      |      |      | 4     |
| 5   |                    |      |                     | 7.5  |            | 3.0  |      |       |      |      |      |      | 5     |
| 6   |                    |      |                     | 7.1  |            | 14.0 |      |       |      |      |      |      | 6     |
| 7   |                    |      |                     |      |            |      | 17.0 |       |      |      |      |      | 7     |
| 8   |                    |      |                     |      |            |      |      |       | 4.3  |      |      |      | 8     |
| 9   |                    |      |                     |      |            |      | 1.0  |       | 7.3  |      |      |      | 9     |
| 10  |                    |      |                     |      |            |      |      |       |      |      |      |      | 10    |
| 11  |                    |      |                     |      |            |      |      |       | 7.0  |      |      |      | 11    |
| 12  |                    |      |                     |      |            |      |      |       |      |      |      |      | 12    |
| 13  |                    |      |                     |      |            |      |      |       |      |      |      |      | 13    |
| 14  |                    |      |                     |      |            |      |      |       |      |      |      |      | 14    |
| 15  |                    |      |                     |      |            |      |      |       |      |      |      |      | 15    |
| 16  |                    |      |                     |      |            |      |      |       |      |      |      |      | 16    |
| 17  |                    |      |                     |      |            |      |      |       |      |      |      |      | 17    |
| 18  |                    |      |                     |      |            |      |      |       |      |      |      |      | 18    |
| 19  |                    |      |                     |      |            |      |      |       |      |      |      |      | 19    |
| 20  |                    |      |                     |      |            |      |      |       |      |      |      |      | 20    |
| 21  |                    |      |                     |      |            |      |      |       |      |      |      |      | 21    |
| 22  |                    |      |                     |      |            |      |      |       |      |      |      |      | 22    |
| 23  |                    |      |                     |      |            |      |      |       |      |      |      |      | 23    |
| 24  |                    |      |                     |      |            |      |      |       |      |      |      |      | 24    |
| 25  |                    |      |                     |      |            |      |      |       |      |      |      |      | 25    |
| 26  |                    |      |                     |      |            |      |      |       |      |      |      |      | 26    |
| 27  |                    |      |                     |      |            |      |      |       |      |      |      |      | 27    |
| 28  |                    |      |                     |      |            |      |      |       |      |      |      |      | 28    |
| 29  |                    |      |                     |      |            |      |      |       |      |      |      |      | 29    |
| 30  |                    |      |                     |      |            |      |      |       |      |      |      |      | 30    |
| 31  |                    |      |                     |      |            |      |      |       |      |      |      |      | 31    |
| TOT | 5.1                | 11.2 | 27.4                | 43.1 | 247.3      | 57.3 | 14.6 | 11.1  | 20.5 | 2.0  | 0.1  | 0.0  | 551.0 |

OBSERVATIONS

TOTAL ANNUEL



















| STATION 65607 |      | SAQUAT AGRICOLE |      |      |       |      |       |           | ANNÉE 1981/1982 |      |       |      |  |
|---------------|------|-----------------|------|------|-------|------|-------|-----------|-----------------|------|-------|------|--|
|               |      | LATR 40GR.25 50 |      |      |       |      | LONGA | 5GR.55 50 |                 | ALT+ | 170 m |      |  |
|               | SEPT | OCTO            | NOVF | DECE | JANV  | FEBV | MARS  | AVRIL     | MAI             | JUIN | JUIL  | AOÛT |  |
|               | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 1             | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 2             | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 3             | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 4             | 7.0  | 1               | 1    | 3.5  | 1     | 4.0  | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 5             | 1    | 1               | 1    | 6.0  | 1     | 8.5  | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 6             | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 7             | 1    | 1               | 1    | 1    | 1     | 1    | 1.5   | 1         | 1               | 1    | 1     | 1    |  |
| 8             | 1    | 1               | 1    | 1    | 1     | 1    | 2.0   | 1         | 7.0             | 1    | 1     | 1    |  |
| 9             | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 10            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 9.5             | 1    | 1     | 1    |  |
| 11            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 3.0             | 1    | 1     | 1    |  |
| 12            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 13            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 14            | 1    | 1               | 1    | 1    | 1     | 3.5  | 1     | 5.0       | 1               | 1    | 1     | 1    |  |
| 15            | 1    | 1               | 1    | 1    | 50.0  | 1    | 1     | 2.0       | 1               | 1    | 1     | 1    |  |
| 16            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 17            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 9.5       | 1               | 1    | 1     | 1    |  |
| 18            | 1    | 1               | 1    | 1    | 88.0  | 1    | 17.5  | 1         | 1               | 1    | 1     | 1    |  |
| 19            | 1    | 1               | 1    | 1    | 18.0  | 1    | 1     | 12.0      | 1               | 1    | 1     | 1    |  |
| 20            | 1    | 1.0             | 1    | 1    | 1.5   | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 21            | 1    | 1               | 1    | 1    | 1     | 1    | 7.0   | 1         | 11.5            | 1    | 1     | 1    |  |
| 22            | 1    | 1               | 1    | 5.0  | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 23            | 1    | 1               | 1    | 1    | 1     | 20.0 | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 24            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 25            | 1    | 5.0             | 1    | 1    | 1     | 1    | 1     | 5.5       | 1               | 1    | 1     | 1    |  |
| 26            | 1    | 1               | 1    | 1    | 1     | 4.5  | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 27            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 28            | 1    | 1               | 1    | 1    | 1     | 1    | 1     | 9.5       | 1               | 1    | 1     | 1    |  |
| 29            | 1    | 1               | 4.0  | 1    | 2.5   | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 30            | 1    | 1               | 4.5  | 1    | 1     | 1    | 1     | 1         | 1               | 1    | 1     | 1    |  |
| 31            | 1    | 1               | 1    | 1    | 1     | 1    | 2.0   | 1         | 1               | 1    | 1     | 1    |  |
| TOT           | 7.0  | 15.0            | 8.5  | 14.5 | 160.0 | 18.5 | 20.0  | 63.5      | 43.0            | 3.0  | 0.5   | 0.5  |  |
| OBSERVATION   |      |                 |      |      |       |      |       |           |                 |      |       |      |  |
| TOTAL ANNUEL  |      |                 |      |      |       |      |       |           |                 |      |       | 361. |  |
| CH 1          | 112  | 112             | 112  | 112  | 112   | 112  | 112   | 112       | 112             | 112  | 112   | 112  |  |
| CH 2          | 1    | 2               | 2    | 3    | 5     | 1    | 5     | 6         | 6               | 0    | 2     |      |  |

[illegible]



[illegible][illegible]











| STATION 64274        |      | SITE CODE 6420 5M |      |      | ANNEE 1961/1962 |      |            |      |      |      |      |      |
|----------------------|------|-------------------|------|------|-----------------|------|------------|------|------|------|------|------|
| LAT: 60°49' 05"      |      |                   |      |      | LONG: 6°02' 15" |      | ALT: 110 M |      |      |      |      |      |
| SEPT                 | OCTO | NOVE              | DECE | JANV | FEBV            | MARS | AVRT       | MAT  | JUIN | JUIL | AOUT |      |
| -                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 2                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 3                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 4                    | 2.2  |                   |      |      |                 |      |            |      |      |      |      |      |
| 5                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 6                    | 4.0  |                   |      |      |                 |      |            |      |      |      |      |      |
| 7                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 8                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 9                    |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 10                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 11                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 12                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 13                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 14                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 15                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 16                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 17                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 18                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 19                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 20                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 21                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 22                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 23                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 24                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 25                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 26                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 27                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 28                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 29                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 30                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| 31                   |      |                   |      |      |                 |      |            |      |      |      |      |      |
| TOT                  | 3.1  | 12.3              | 4.5  | 29.6 | 176.8           | 19.1 | 33.0       | 50.0 | 26.4 | 0.5  | 0.0  | 13.4 |
| OBSERVATEUR = METEO  |      |                   |      |      |                 |      |            |      |      |      |      |      |
| TOTAL ANNUEL = 351.7 |      |                   |      |      |                 |      |            |      |      |      |      |      |
| COI = 212            | 212  | 212               | 212  | 212  | 212             | 212  | 212        | 059  | 212  | 212  | 212  | 212  |
| N°                   | 3    | 4                 | 4    | 8    | 11              | 8    | 8          | 47   | 3    | 1    | 3    | 1    |

[illegible]



|              |      | LAT= 40° 44.5' N |      |      | LONG= |      | MGRS CO |      | ALTA |     | 162 M |     |      |     |
|--------------|------|------------------|------|------|-------|------|---------|------|------|-----|-------|-----|------|-----|
|              | SEPT | OCT              | NOV  | DEC  | JAN   | FEB  | MAR     | APR  | MAY  | JUN | JUL   | AUG | SEPT | OCT |
| 1            | -    | -                | -    | 3.0  | -     | -    | -       | 2.0  | 4.0  | -   | -     | -   | -    | 1   |
| 2            | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 2   |
| 3            | 5.5  | -                | -    | -    | -     | -    | -       | 5.5  | -    | -   | -     | -   | -    | 3   |
| 4            | -    | -                | -    | 9.5  | -     | -    | -       | -    | -    | -   | -     | -   | -    | 4   |
| 5            | -    | -                | -    | -    | -     | 15.0 | -       | -    | -    | -   | -     | -   | -    | 5   |
| 6            | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 6   |
| 7            | -    | -                | -    | -    | -     | -    | -       | -    | 7.5  | -   | -     | -   | -    | 7   |
| 8            | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 8   |
| 9            | -    | -                | -    | -    | -     | -    | -       | -    | 7.5  | -   | -     | -   | -    | 9   |
| 10           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 10  |
| 11           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 11  |
| 12           | -    | -                | -    | -    | -     | -    | -       | -    | 10.5 | -   | -     | -   | -    | 12  |
| 13           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 13  |
| 14           | -    | -                | -    | -    | -     | -    | -       | 10.5 | -    | -   | -     | -   | -    | 14  |
| 15           | -    | -                | 34.5 | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 15  |
| 16           | -    | -                | -    | -    | 50.0  | -    | -       | -    | -    | -   | -     | -   | -    | 16  |
| 17           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 17  |
| 18           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 18  |
| 19           | 40.0 | 5.0              | -    | -    | 38.0  | -    | -       | 7.0  | -    | -   | -     | -   | -    | 19  |
| 20           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 20  |
| 21           | -    | 4.0              | -    | -    | -     | -    | -       | 9.0  | -    | -   | -     | -   | -    | 21  |
| 22           | -    | -                | -    | -    | 6.0   | 2.5  | 10.0    | -    | -    | -   | -     | -   | -    | 22  |
| 23           | -    | -                | -    | 4.0  | -     | -    | -       | 4.0  | -    | -   | -     | -   | -    | 23  |
| 24           | -    | 7.0              | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 24  |
| 25           | 16.5 | -                | -    | -    | 4.5   | -    | 2.0     | -    | -    | -   | -     | -   | -    | 25  |
| 26           | -    | 12.0             | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 26  |
| 27           | -    | -                | 1.5  | -    | -     | 8.0  | -       | 7.5  | -    | -   | -     | -   | -    | 27  |
| 28           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 28  |
| 29           | -    | -                | -    | -    | 12.5  | -    | -       | 4.5  | -    | -   | -     | -   | -    | 29  |
| 30           | -    | -                | 7.5  | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 30  |
| 31           | -    | -                | -    | -    | -     | -    | -       | -    | -    | -   | -     | -   | -    | 31  |
| TOT          | 27.0 | 23.0             | 12.5 | 16.5 | 137.0 | 25.5 | 12.0    | 51.0 | 31.5 | 0.0 | 0.0   | 0.0 |      |     |
| OBSERVATIONS |      |                  |      |      |       |      |         |      |      |     |       |     |      |     |
| CON          | 112  | 112              | 112  | 112  | 112   | 112  | 112     | 112  | 112  | 112 | 112   | 112 | 112  | 112 |
| W J          | 3    | 6                | 3    | 3    | 5     | 2    | 2       | 3    | 4    | 0   | 3     | 3   | 3    | 3   |

[illegible]















STATION 47673

TELLE ESSAERE

ANNEE 1981/1982

| LATA 40GR.50 70 LONGR 40GR.72 20 ALT= 190 M |      |      |      |      |       |      |      |      |      |      |      |      |  |
|---|------|------|------|------|-------|------|------|------|------|------|------|------|--|
| SEPT  | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRI | MAI  | JUIN | JULI | AOUT | SEPT |  |
| 1   |      |      | 3.2  |      |       |      |      |      |      |      |      |      |  |
| 2   |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 3   |      |      | 10.4 |      |       |      |      |      |      |      |      |      |  |
| 4   | 3.2  |      |      |      |       |      |      |      |      |      |      |      |  |
| 5   |      |      | 12.3 |      |       |      |      |      | 4.2  |      |      |      |  |
| 6   |      |      |      |      | 3.4   | 16.4 | 2.1  |      |      |      |      |      |  |
| 7   |      |      |      |      |       | 4.2  |      |      |      |      |      |      |  |
| 8   |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 9   |      |      |      |      |       |      |      | 15.1 |      |      |      |      |  |
| 10  |      |      |      |      |       |      |      | 14.3 |      |      |      |      |  |
| 11  |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 12  |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 13  |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 14  |      |      |      |      | 2.1   |      | 9.4  |      |      |      |      |      |  |
| 15  |      |      | 4.2  | 4.2  | 53.2  |      | 3.2  |      |      |      |      |      |  |
| 16  |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 17  |      |      |      |      |       |      |      |      |      |      |      |      |  |
| 18  |      |      |      |      | 40.3  |      |      |      |      |      |      |      |  |
| 19  |      |      |      |      | 18.3  |      | 5.1  | 9.1  |      |      |      |      |  |
| 20  |      |      |      | 5.1  | 2.5   |      |      |      |      |      |      |      |  |
| 21  |      | 11.4 |      |      |       | 8.2  |      | 5.5  |      |      |      |      |  |
| 22  |      |      |      | 5.0  |       | 10.5 | 25.3 |      |      |      |      |      |  |
| 23  |      | 11.2 |      |      |       |      |      |      |      |      |      |      |  |
| 24  |      |      |      |      |       | 3.2  |      |      |      |      |      |      |  |
| 25  |      | 20.3 | 2.1  |      |       |      | 4.0  | 10.5 |      |      |      |      |  |
| 26  |      |      |      |      | 7.3   | 5.1  | 20.3 |      |      |      |      |      |  |
| 27  |      |      |      |      | 8.2   | 6.1  |      |      |      |      |      |      |  |
| 28  |      |      |      |      | 4.1   |      |      | 5.2  |      |      |      |      |  |
| 29  |      |      | 7.4  |      | 18.5  |      |      |      |      |      |      |      |  |
| 30  |      |      | 13.1 |      | 5.6   |      |      |      |      |      |      |      |  |
| 31  |      |      |      |      |       |      | 2.2  |      |      |      |      |      |  |
| TOT   | 3.2  | 47.2 | 25.8 | 45.2 | 167.3 | 16.7 | 77.5 | 65.0 | 13.6 | 0.0  | 0.0  | 0.0  |  |

OBSERVATIONS

TOTAL ANNUEL= 699.5

|           |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| COT = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |  |
| Y J       | 1   | 2   | 4   | 6   | 9   | 7   | 7   | 7   | 5   | 7   | 2   | 3   |  |

STATION 477B3

TEBOGHANE

ANNEE 1981/1982

| LAT= 40GR.99 20 |      |      |      |      |      |      |      |     |     |     |     |      |      | LONG= |      |      | 40GR.49 30 |      |      | ALT= |     | 110 M |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |     |   |
|-----------------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|-------|------|------|------------|------|------|------|-----|-------|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|---|
| SEPT            | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE  | DECE | JANV | FEBV       | MARS | AVRI | MAY  | JUN | JUL   | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | JUN | JUL | AUG | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAY | J |

OBSERVATIONS

TOTAL ANNUEL= 542.5

|           |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| COT = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |  |
| Y J       | 1   | 2   | 4   | 6   | 9   | 7   | 7   | 7   | 5   | 7   | 2   | 3   |  |











STATION 43075

JINSHI DE GAZOLINAGE

ANNÉE 1981/1982

|     | LAT+ LONG. 79 20 |      |      |      |       |      |      |      | LONG+ 088.36 54 |     |     |      | ALT+ 104 m |      |      |      |
|-----|------------------|------|------|------|-------|------|------|------|-----------------|-----|-----|------|------------|------|------|------|
|     | SEPT             | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVR  | MAI             | JUN | JUL | AOUT | SEPT       | OCTO | NOVE | DECE |
| 1   | 2.0              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 2   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 3   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 4   | 5.0              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 5   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 6   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 7   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 8   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 9   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 10  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 11  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 12  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 13  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 14  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 15  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 16  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 17  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 18  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 19  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 20  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 21  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 22  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 23  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 24  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 25  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 26  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 27  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 28  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 29  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 30  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 31  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| TOT | 7.7              | 25.4 | 31.2 | 41.3 | 208.5 | 75.4 | 50.9 | 35.0 | 18.7            | 0.0 | 0.0 | 11.7 |            |      |      |      |

OBSERVATIONS ANNEXE CHEZAT

TOTAL ANNUEL

512.6

| CH | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AN | 1   | 4   | 8   | 9   | 11  | 11  | 10  | 5   |     |     |     |     |     |     |     |     |

STATION 43076

JINSHI DE GAZOLINAGE

ANNÉE 1981/1982

|     | LAT+ LONG. 44 20 |      |      |      |       |      |      |      | LONG+ 088.57 50 |     |     |      | ALT+ 104 m |      |      |      |
|-----|------------------|------|------|------|-------|------|------|------|-----------------|-----|-----|------|------------|------|------|------|
|     | SEPT             | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVR  | MAI             | JUN | JUL | AOUT | SEPT       | OCTO | NOVE | DECE |
| 1   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 2   | 1.0              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 3   | 1.3              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 4   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 5   | 1.0              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 6   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 7   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 8   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 9   |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 10  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 11  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 12  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 13  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 14  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 15  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 16  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 17  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 18  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 19  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 20  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 21  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 22  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 23  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 24  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 25  | 1.3              |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 26  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 27  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 28  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 29  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 30  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| 31  |                  |      |      |      |       |      |      |      |                 |     |     |      |            |      |      |      |
| TOT | 6.6              | 31.2 | 19.2 | 50.3 | 150.1 | 12.4 | 57.7 | 48.3 | 28.1            | 0.5 | 0.0 | 0.0  |            |      |      |      |

OBSERVATIONS ANNEXE CHEZAT

TOTAL ANNUEL

512.6



5:4:15, 6.9.17

2014年12月10日 星期一

ANNE E. · 721/1/18.

— 47 —

LONG

80A.63 75

u l r x 230 y

|                                     | SEPT | OCTO | NOVE | DECE | JANU  | FEBR | MARS | APRI | MAY  | JUNE | JULY | AUGU |       |
|-------------------------------------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|
| 1                                   | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -    | 1     |
| 2                                   | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -    | 2     |
| 3                                   | -    | -    | -    | 10.5 | -     | -    | -    | -    | -    | -    | -    | -    | 3     |
| 4                                   | -    | -    | -    | 13.0 | -     | -    | -    | -    | -    | -    | -    | -    | 4     |
| 5                                   | -    | -    | -    | -    | -     | 14.5 | -    | -    | 2.5  | -    | -    | -    | 5     |
| 6                                   | -    | -    | -    | 4.5  | -     | -    | 6.0  | -    | -    | -    | -    | -    | 6     |
| 7                                   | -    | -    | -    | -    | -     | -    | 7.0  | -    | -    | -    | -    | -    | 7     |
| 8                                   | -    | -    | -    | -    | -     | -    | 3.8  | -    | 10.0 | -    | -    | -    | 8     |
| 9                                   | -    | -    | -    | -    | -     | -    | -    | -    | 7.0  | -    | -    | -    | 9     |
| 10                                  | -    | -    | -    | -    | -     | -    | -    | -    | 2.0  | -    | -    | -    | 10    |
| 11                                  | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -    | 11    |
| 12                                  | -    | -    | -    | -    | -     | -    | -    | -    | 10.5 | -    | -    | -    | 12    |
| 13                                  | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -    | 13    |
| 14                                  | -    | -    | -    | 4.5  | -     | -    | -    | 10.0 | -    | -    | -    | -    | 14    |
| 15                                  | -    | -    | -    | -    | 57.0  | -    | -    | -    | -    | -    | -    | -    | 15    |
| 16                                  | -    | -    | -    | -    | -     | -    | 1.5  | -    | -    | -    | -    | -    | 16    |
| 17                                  | -    | -    | -    | -    | -     | -    | -    | 6.0  | -    | -    | -    | -    | 17    |
| 18                                  | -    | -    | -    | 1.5  | 60.0  | -    | -    | 6.5  | -    | -    | -    | -    | 18    |
| 19                                  | -    | -    | -    | -    | 14.5  | -    | -    | 8.5  | -    | -    | -    | -    | 19    |
| 20                                  | -    | 11.5 | -    | 2.5  | 2.5   | 6.0  | 2.0  | 1.5  | -    | -    | -    | -    | 20    |
| 21                                  | -    | -    | -    | -    | 3.5   | 3.1  | 18.0 | 6.5  | -    | -    | -    | -    | 21    |
| 22                                  | -    | 4.5  | -    | 5.0  | 7.5   | -    | 1.0  | -    | -    | -    | -    | -    | 22    |
| 23                                  | -    | 1.3  | -    | -    | -     | 5.1  | -    | -    | -    | -    | -    | -    | 23    |
| 24                                  | 3.0  | 13.7 | -    | -    | -     | -    | -    | 2.0  | -    | -    | -    | -    | 24    |
| 25                                  | -    | 3.8  | -    | 1.0  | -     | -    | 21.5 | 7.0  | -    | -    | -    | -    | 25    |
| 26                                  | -    | -    | -    | -    | 3.5   | 7.1  | -    | -    | -    | -    | -    | -    | 26    |
| 27                                  | -    | -    | 1.5  | -    | 2.5   | -    | -    | -    | -    | -    | -    | -    | 27    |
| 28                                  | -    | -    | 5.4  | -    | 14.5  | -    | 1.0  | 19.0 | -    | -    | -    | -    | 28    |
| 29                                  | -    | -    | 3.5  | -    | 1.5   | -    | -    | -    | -    | -    | -    | -    | 29    |
| 30                                  | -    | -    | 7.5  | -    | -     | -    | -    | -    | -    | -    | -    | -    | 30    |
| 31                                  | -    | -    | -    | -    | -     | -    | 2.0  | -    | -    | -    | -    | -    | 31    |
| TOT                                 | 3.0  | 32.3 | 14.1 | 44.5 | 161.7 | 23.5 | 58.5 | 53.5 | 32.0 | 0.0  | 0.3  | 0.2  |       |
| OBSERVATIONS= UNHABITED TEMPERATURE |      |      |      |      |       |      |      |      |      |      |      |      |       |
| TOTAL AVERAGE=                      |      |      |      |      |       |      |      |      |      |      |      |      | 447.7 |
| CON                                 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  | 112  |       |
| NO                                  | 1    | 5    | 4    | 2    | 17    | 5    | 10   | 8    | 5    | 1    | 2    | 2    | 30    |

STATION 4.5255

INFORMATION STATE

ANNEX 1281/1982

147-4062-30 50

L546P

86R.77 75

ALTR 110 N

[illegible]



ANMF: 1791/1932

| LAT 40GR.73 10 LONG 76R.31 40 ALT 470 M |      |      |      |      |       |       |       |       |      |      |      |
|---|------|------|------|------|-------|-------|-------|-------|------|------|------|
| SEPT                                    | OCTO | NOVE | DECE | JANV | FEBV  | MARS  | APRIL | MAY   | JUNE | JULY | AUG  |
| 1                                       |      |      | 17.0 |      |       |       | 6.0   | 6.0   |      |      | 1    |
| 2                                       |      |      | 6.0  |      |       |       | 17.5  | 14.0  |      |      | 2    |
| 3                                       | 22.5 |      | 24.5 |      |       |       |       | 2.0   |      |      | 3    |
| 4                                       |      |      | 25.0 |      |       |       | 3.0   |       |      |      | 4    |
| 5                                       |      |      |      |      |       |       | 27.0  |       |      |      | 5    |
| 6                                       |      |      |      |      |       |       | 56.0  | 5.0   |      |      | 6    |
| 7                                       |      |      |      |      |       |       | 6.0   |       |      |      | 7    |
| 8                                       |      |      | 7.0  |      |       |       | 6.5   |       |      |      | 8    |
| 9                                       |      |      |      |      |       |       |       | 25.0  |      |      | 9    |
| 10                                      |      |      | 24.0 |      |       |       |       | 3.0   |      |      | 10   |
| 11                                      |      |      |      |      |       |       |       | 2.0   |      |      | 11   |
| 12                                      |      |      |      |      |       |       |       |       |      |      | 12   |
| 13                                      |      |      |      |      |       |       | 1.0   |       |      |      | 13   |
| 14                                      |      |      |      |      |       |       |       | 7.5   |      |      | 14   |
| 15                                      |      |      | 4.0  |      | 1.5   | 1.0   |       | 5.5   |      |      | 15   |
| 16                                      |      |      |      |      |       | 10.0  |       |       |      |      | 16   |
| 17                                      |      |      |      |      |       | 42.0  |       |       |      |      | 17   |
| 18                                      |      |      | 7.0  | 30.0 | 1.0   | 6.5   | 13.0  |       |      |      | 18   |
| 19                                      |      |      | 32.0 | 2.0  |       | 5.5   | 23.5  |       |      |      | 19   |
| 20                                      |      | 1.5  |      | 5.5  |       | 26.0  | 27.0  |       |      |      | 20   |
| 21                                      |      |      | 17.5 | 3.0  | 36.0  | 63.0  | 10.5  |       |      |      | 21   |
| 22                                      |      |      | 25.5 | 21.0 | 5.0   | 26.5  |       |       |      |      | 22   |
| 23                                      | 2.0  | 3.5  |      | 1.0  | 4.0   | 7.5   |       |       |      |      | 23   |
| 24                                      |      | 15.0 |      |      | 31.0  | 16.0  |       |       |      |      | 24   |
| 25                                      |      | 2.5  | 3.0  | 7.2  | 6.0   |       | 2.5   |       |      |      | 25   |
| 26                                      |      | 12.5 |      |      | 2.0   | 50.0  |       |       |      |      | 26   |
| 27                                      | 2.0  |      | 32.0 |      | 27.0  |       | 15.0  |       |      |      | 27   |
| 28                                      |      |      |      |      | 27.5  |       | 14.5  |       |      |      | 28   |
| 29                                      |      |      | 24.0 |      | 27.0  | 4.5   | 1.5   |       |      |      | 29   |
| 30                                      |      |      |      |      | 12.5  | 6.0   |       |       |      |      | 30   |
| 31                                      |      |      |      |      | 1.0   |       |       |       |      |      | 31   |
| TOT                                     | 6.5  | 53.0 | 12.0 | 50.0 | 273.0 | 152.0 | 257.5 | 117.5 | 34.0 | 3.0  | 17.0 |







STATION 5027A

ALFA ALPHA 1

APRUE 1931/1932

|             |      | LAT 40GR.19 CD |      | LONG 6GR.75 DD |      | ALT 401 M |      |      |      |      |      |              |       |
|-------------|------|----------------|------|----------------|------|-----------|------|------|------|------|------|--------------|-------|
| SEPT        | OCTO | NOVE           | DECE | JANU           | FEBR | MARS      | AVR  | MAI  | JUN  | JUL  | AOUT |              |       |
| 1           |      |                |      |                |      |           |      |      |      |      |      | 1            |       |
| 2           | 7.8  |                |      |                |      |           |      |      |      |      |      | 2            |       |
| 3           |      |                | 11.2 |                |      |           |      |      |      |      |      | 3            |       |
| 4           | 5.5  |                | 4.1  |                |      |           |      |      |      |      |      | 4            |       |
| 5           |      |                | 1.2  |                |      | 5.0       |      |      | 10.3 |      |      | 5            |       |
| 6           |      |                |      |                |      | 11.2      |      |      |      |      |      | 6            |       |
| 7           |      |                |      |                |      |           |      | 10.4 |      |      |      | 7            |       |
| 8           |      |                |      |                |      |           |      | 25.6 |      |      |      | 8            |       |
| 9           |      |                |      |                |      |           |      |      |      |      |      | 9            |       |
| 10          |      |                |      |                |      |           |      |      |      |      |      | 10           |       |
| 11          |      |                |      |                |      |           |      |      |      |      |      | 11           |       |
| 12          |      |                |      |                |      |           |      |      |      |      |      | 12           |       |
| 13          |      |                |      |                |      |           |      |      |      |      |      | 13           |       |
| 14          |      |                |      |                |      |           | 17.0 |      |      |      |      | 14           |       |
| 15          |      |                |      |                |      |           | 5.3  |      |      |      |      | 15           |       |
| 16          |      |                |      |                | 21.2 |           |      |      |      |      |      | 16           |       |
| 17          |      |                |      |                | 3.2  | 2.5       | 2.0  | 26.0 |      |      |      | 17           |       |
| 18          | 55.0 |                |      | 12.0           | 1.5  |           | 5.1  |      |      |      |      | 18           |       |
| 19          | 1.0  |                |      |                |      |           | 13.5 | 1.0  |      |      |      | 19           |       |
| 20          |      |                |      |                | 4.0  |           |      |      |      |      |      | 20           |       |
| 21          |      | 3.4            | 6.0  |                | 4.4  | 13.2      |      |      |      |      |      | 21           |       |
| 22          |      |                | 13.0 |                |      | 12.5      |      |      |      |      |      | 22           |       |
| 23          |      |                |      |                |      |           |      |      |      |      |      | 23           |       |
| 24          | 8.7  | 5.7            |      | 1.0            |      |           |      |      |      |      |      | 24           |       |
| 25          |      | 7.3            |      |                |      |           | 1.6  |      |      |      |      | 25           |       |
| 26          |      |                |      |                | 28.4 |           |      |      |      |      |      | 26           |       |
| 27          |      |                |      | 2.5            | 2.0  |           | 13.5 |      |      |      |      | 27           |       |
| 28          |      |                |      | 6.5            |      |           |      |      |      |      |      | 28           |       |
| 29          |      |                | 2.0  | 3.0            |      |           | 1.0  |      |      |      |      | 29           |       |
| 30          |      |                | 2.0  |                |      |           |      |      |      |      | 3.3  | 30           |       |
| 31          |      |                |      |                |      | 25.1      |      |      |      |      |      | 31           |       |
| TOT         | 79.0 | 10.4           | 11.0 | 58.5           | 23.0 | 57.2      | 57.6 | 59.5 | 63.0 | 10.3 | 0.3  | 3.4          |       |
| OBSERVATION |      |                |      |                |      |           |      |      |      |      |      | TOTAL ANNUAL | 425.0 |
| CM          | 112  | 112            | 112  | 112            | 112  | 112       | 112  | 112  | 112  | 112  | 112  |              |       |
| N J         | 5    | 3              | 2    | 5              | 5    | 7         | 6    | 4    | 5    | 1    | 3    | 2            | 43    |

STATION 50750

ALFA ALPHA 1

APRUE 1931/1932

|             |      | LAT 40GR.19 CD |      | LONG 6GR.75 DD |      | ALT 350 M |      |      |      |      |      |              |       |
|-------------|------|----------------|------|----------------|------|-----------|------|------|------|------|------|--------------|-------|
| SEPT        | OCTO | NOVE           | DECE | JANU           | FEBR | MARS      | AVR  | MAI  | JUN  | JUL  | AOUT |              |       |
| 1           |      |                |      |                |      |           |      |      |      |      |      | 1            |       |
| 2           |      |                |      |                |      |           |      |      |      |      |      | 2            |       |
| 3           |      |                |      |                |      |           | 16.9 |      |      |      |      | 3            |       |
| 4           |      |                |      |                |      |           |      |      |      |      |      | 4            |       |
| 5           |      |                |      |                |      |           |      |      |      |      |      | 5            |       |
| 6           |      |                |      |                |      |           |      |      |      |      |      | 6            |       |
| 7           |      |                |      |                |      | 12.7      | 2.7  |      |      |      |      | 7            |       |
| 8           |      |                |      |                |      | 26.4      |      |      |      |      |      | 8            |       |
| 9           |      |                |      |                |      |           |      |      |      |      |      | 9            |       |
| 10          |      |                |      |                |      |           |      |      |      |      |      | 10           |       |
| 11          |      |                |      |                |      |           |      | 2.5  |      |      |      | 11           |       |
| 12          |      |                |      |                |      |           |      |      |      |      |      | 12           |       |
| 13          |      |                |      |                |      |           |      |      |      |      |      | 13           |       |
| 14          |      |                |      |                |      |           |      |      |      |      |      | 14           |       |
| 15          |      |                |      |                |      |           |      |      |      |      |      | 15           |       |
| 16          |      |                |      |                |      |           |      |      |      |      |      | 16           |       |
| 17          |      |                |      |                |      |           |      |      |      |      |      | 17           |       |
| 18          |      |                |      |                |      |           |      |      |      |      |      | 18           |       |
| 19          |      |                |      |                |      |           |      |      |      |      |      | 19           |       |
| 20          |      |                |      |                |      |           |      |      |      |      |      | 20           |       |
| 21          |      |                |      |                |      |           |      |      |      |      |      | 21           |       |
| 22          |      |                |      |                |      |           |      |      |      |      |      | 22           |       |
| 23          |      |                |      |                |      |           |      |      |      |      |      | 23           |       |
| 24          |      |                |      |                |      |           |      |      |      |      |      | 24           |       |
| 25          | 2.4  | 3.4            |      |                |      |           |      |      |      |      |      | 25           |       |
| 26          |      |                |      |                |      |           |      |      |      |      |      | 26           |       |
| 27          | 0.0  | 10.5           |      |                |      |           |      |      |      |      |      | 27           |       |
| 28          |      |                |      |                |      |           |      |      |      |      |      | 28           |       |
| 29          |      |                |      |                |      |           |      |      |      |      |      | 29           |       |
| 30          |      |                |      |                |      |           |      |      |      |      |      | 30           |       |
| 31          |      |                |      |                |      |           |      |      |      |      |      | 31           |       |
| TOT         | 11.4 | 11.0           | 11.0 | 11.0           | 11.0 | 11.0      | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0         |       |
| OBSERVATION |      |                |      |                |      |           |      |      |      |      |      | TOTAL ANNUAL | 555.6 |
| CM          | 112  | 112            | 112  | 112            | 112  | 112       | 112  | 112  | 112  | 112  | 112  |              |       |
| N J         | 5    | 3              | 2    | 5              | 5    | 7         | 6    | 4    | 5    | 1    | 3    | 2            | 43    |



STATION 50421

AIR STATION

ANNEX 1951/1952

129

|              |      | LATY 39°48.05' 20" |      |      |      | LONGY 76°42.27' 00" |      | ALT 990 M |      |     |      |              |
|--------------|------|--------------------|------|------|------|---------------------|------|-----------|------|-----|------|--------------|
|              | SEPT | OCTO               | NOVE | DICF | JANV | FEBV                | MARS | AVRI      | MAL  | JUN | JUL  | AUGT         |
| 1            |      |                    |      |      |      |                     |      |           |      |     |      |              |
| 2            |      |                    |      |      |      |                     |      | 13.2      |      |     |      |              |
| 3            |      |                    |      |      |      |                     |      |           |      |     |      |              |
| 4            | 17.5 |                    |      | 6.5  |      |                     |      |           |      |     |      |              |
| 5            |      |                    |      | 5.3  |      |                     |      |           |      |     |      |              |
| 6            |      |                    |      |      |      |                     |      |           |      | 5.1 |      |              |
| 7            |      |                    |      |      |      |                     |      | 1.9       |      |     |      |              |
| 8            |      |                    |      |      |      |                     | 3.0  |           |      |     |      |              |
| 9            |      |                    |      |      |      |                     |      |           | 15.0 |     |      |              |
| 10           |      |                    |      |      |      |                     |      |           | 9.1  |     |      |              |
| 11           |      |                    |      |      |      |                     |      |           |      |     |      |              |
| 12           |      |                    |      |      |      |                     |      |           |      |     |      |              |
| 13           |      |                    |      |      |      |                     |      |           |      |     |      |              |
| 14           |      |                    |      |      |      | 14.6                |      |           |      |     |      |              |
| 15           |      |                    |      |      |      |                     |      | 6.0       |      |     |      |              |
| 16           |      |                    |      |      |      |                     |      | 4.3       |      |     |      |              |
| 17           |      |                    |      |      |      | 5.4                 |      |           | 6.0  |     |      |              |
| 18           |      |                    |      |      |      | 8.3                 |      | 7.3       | 5.5  |     | 15.3 |              |
| 19           |      |                    |      |      | 16.3 |                     | 16.2 | 11.5      |      |     |      |              |
| 20           |      |                    |      |      | 2.3  |                     |      |           |      |     |      |              |
| 21           |      |                    |      |      |      | 5.1                 | 1.2  |           |      |     |      | 5.3          |
| 22           |      |                    |      | 2.3  | 1.5  | 5.0                 | 20.7 |           | 2.5  |     |      |              |
| 23           |      |                    |      | 5.5  |      |                     | 1.0  |           | 10.0 |     |      |              |
| 24           |      |                    |      |      |      | 1.0                 |      |           |      |     |      |              |
| 25           |      | 25.5               |      |      |      |                     |      |           |      |     |      |              |
| 26           |      | 10.0               |      |      |      |                     |      | 8.2       |      |     |      |              |
| 27           |      |                    |      |      | 3.0  | 4.0                 |      |           |      |     | 2.0  |              |
| 28           |      |                    |      |      | 2.3  |                     |      | 1.2       |      |     |      |              |
| 29           |      |                    | 1.5  |      | 5.3  |                     |      |           |      |     |      |              |
| 30           |      |                    | 3.5  |      |      |                     |      |           |      |     |      |              |
| 31           |      |                    |      |      |      |                     |      |           |      |     |      |              |
| TOT          | 17.5 | 17.1               | 2.8  | 30.3 | 32.3 | 17.1                | 65.0 | 56.8      | 44.7 | 5.1 | 17.0 | 5.3          |
| OBSERVATIONS |      |                    |      |      |      |                     |      |           |      |     |      | TOTAL ANNUAL |
|              |      |                    |      |      |      |                     |      |           |      |     |      | 551.2        |
| STATION      | 112  | 112                | 112  | 112  | 112  | 112                 | 112  | 112       | 112  | 112 | 112  | 112          |
| NO           | 1    | 2                  | 3    | 4    | 5    | 6                   | 7    | 8         | 9    | 10  | 11   | 12           |

STATION 50422

AIR STATION

ANNEX 1951/1952

|   |      | LATY 39°48.21' 00"  |      |      |      | LONGY 76°42.12' 00" |      | ALT# 936 " |     |      |     |      |
|---|------|---|------|------|------|---------------------|------|------------|-----|------|-----|------|
|   | SEPT | OCTO  | NOVE | DICE | JANV | FEBV                | MARS | APRI       | MAI | JUNY | JUL | AUGT |
| 1 | 2    | 100 |      |      |      |                     |      |            |     |      |     |      |



STATION 10647

AUG 1963

AUG 1963

| DAY | WIND | TEMP | LAT 30° 30' N |      |      |      | LONG 106° 30' W |      |      |      | ALT 1000 M |      |      |      |
|-----|------|------|---------------|------|------|------|-----------------|------|------|------|------------|------|------|------|
|     |      |      | OCT           | NOV  | DEC  | JAN  | FEB             | MAR  | APR  | MAY  | JUN        | JUL  | AUG  | SEP  |
| 1   | 1    | 10.0 |               |      |      |      |                 |      | 10.0 |      |            |      |      | 1    |
| 2   | 1    | 10.0 |               |      |      |      |                 |      | 10.0 |      |            |      |      | 2    |
| 3   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 3    |
| 4   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 4    |
| 5   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 5    |
| 6   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 6    |
| 7   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 7    |
| 8   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 8    |
| 9   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 9    |
| 10  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 10   |
| 11  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 11   |
| 12  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 12   |
| 13  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 13   |
| 14  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 14   |
| 15  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 15   |
| 16  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 16   |
| 17  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 17   |
| 18  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 18   |
| 19  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 19   |
| 20  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 20   |
| 21  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 21   |
| 22  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 22   |
| 23  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 23   |
| 24  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 24   |
| 25  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 25   |
| 26  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 26   |
| 27  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 27   |
| 28  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 28   |
| 29  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 29   |
| 30  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 30   |
| 31  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 31   |
| TOT | 5.0  | 10.0 | 10.0          | 10.0 | 10.0 | 10.0 | 10.0            | 10.0 | 10.0 | 10.0 | 10.0       | 10.0 | 10.0 | 10.0 |

OBSERVATION METHOD: YOUNG

TOTAL AMOUNT: 10.0

| DAY | WIND | TEMP | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1   | 1    | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 2   | 1    | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |

STATION 10647

AUG 1963

AUG 1963

| DAY | WIND | TEMP | LAT 30° 30' N |      |      |      | LONG 106° 30' W |      |      |      | ALT 1000 M |      |      |      |
|-----|------|------|---------------|------|------|------|-----------------|------|------|------|------------|------|------|------|
|     |      |      | OCT           | NOV  | DEC  | JAN  | FEB             | MAR  | APR  | MAY  | JUN        | JUL  | AUG  | SEP  |
| 1   | 1    | 10.0 |               |      |      |      |                 |      | 10.0 |      |            |      |      | 1    |
| 2   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 2    |
| 3   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 3    |
| 4   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 4    |
| 5   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 5    |
| 6   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 6    |
| 7   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 7    |
| 8   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 8    |
| 9   | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 9    |
| 10  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 10   |
| 11  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 11   |
| 12  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 12   |
| 13  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 13   |
| 14  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 14   |
| 15  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 15   |
| 16  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 16   |
| 17  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 17   |
| 18  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 18   |
| 19  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 19   |
| 20  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 20   |
| 21  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 21   |
| 22  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 22   |
| 23  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 23   |
| 24  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 24   |
| 25  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 25   |
| 26  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 26   |
| 27  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 27   |
| 28  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 28   |
| 29  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 29   |
| 30  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 30   |
| 31  | 1    | 10.0 |               |      |      |      |                 |      |      |      |            |      |      | 31   |
| TOT | 5.0  | 10.0 | 10.0          | 10.0 | 10.0 | 10.0 | 10.0            | 10.0 | 10.0 | 10.0 | 10.0       | 10.0 | 10.0 | 10.0 |

OBSERVATION METHOD: YOUNG

TOTAL AMOUNT: 10.0







STATION 50551

AIR ZONE

ANNEX 1981/1982

|                       |       | LAT 40GR. 81 00 |       | LONG 70GR. 25 50 |       | ALT 875 M |       |       |       |      |      |      |      |
|-----------------------|-------|-----------------|-------|------------------|-------|-----------|-------|-------|-------|------|------|------|------|
|                       |       | SEPT            | OCTO  | NOVE             | DECE  | JANU      | FEBR  | MARS  | AVRIL | MAT  | JUIN | JULI | AUGU |
| 1                     | 5.2   |                 |       |                  |       |           |       | 12.1  | 15.2  |      |      |      |      |
| 2                     | 15.3  |                 |       |                  |       |           |       |       | 6.5   |      |      |      |      |
| 3                     | 20.1  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 4                     | 30.5  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 5                     | 25.0  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 6                     |       |                 |       |                  |       |           |       |       | 10.0  |      |      |      |      |
| 7                     |       |                 |       |                  |       |           |       |       | 5.0   | 15.0 |      |      |      |
| 8                     |       |                 |       | 2.5              |       |           |       |       |       |      |      |      |      |
| 9                     |       |                 |       | 5.0              |       |           |       |       |       | 7.2  |      |      |      |
| 10                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 11                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 12                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 13                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 14                    |       |                 |       |                  |       |           |       |       | 10.1  |      |      |      |      |
| 15                    |       |                 |       |                  |       | 6.0       |       |       | 15.2  |      |      |      |      |
| 16                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 17                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 18                    |       |                 |       |                  | 20.5  | 36.5      | 40.5  | 8.1   | 27.7  |      |      |      |      |
| 19                    |       |                 |       |                  | 30.6  |           | 20.2  | 9.5   | 37.9  | 27.0 |      |      |      |
| 20                    |       |                 |       |                  | 17.3  |           |       | 15.1  | 25.0  |      |      |      |      |
| 21                    |       |                 |       |                  | 26.4  | 3.3       |       | 35.2  | 19.1  | 22.0 |      |      |      |
| 22                    | 12.2  |                 |       |                  | 16.2  | 25.5      |       | 25.7  |       |      |      |      |      |
| 23                    | 13.5  |                 |       |                  | 13.5  | 26.4      |       |       | 7.2   |      |      |      |      |
| 24                    | 14.3  |                 |       |                  | 14.5  | 10.8      | 45.0  |       |       |      |      |      |      |
| 25                    |       |                 |       |                  | 10.5  | 16.7      | 10.6  |       | 15.3  |      |      |      |      |
| 26                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 27                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 28                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 29                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 30                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 31                    |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| TOT                   | 132.1 | 55.7            | 112.5 | 232.4            | 277.5 | 175.1     | 139.3 | 205.4 | 73.2  | 24.0 | 0.3  | 57.0 |      |
| OBSERVATIONS          |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| TOTAL ANNUAL = 1335.4 |       |                 |       |                  |       |           |       |       |       |      |      |      |      |
| CON + 112             | 112   | 112             | 112   | 112              | 112   | 112       | 112   | 112   | 112   | 112  | 112  | 112  |      |
| A J                   | 6     | 4               | 5     | 13               | 13    | 6         | 5     | 13    | 4     | 0    | 2    | 11   | 0    |

STATION 50553

AIR ZONE

ANNEX 1981/1982

|     |      | LAT 39GR. 45 10 |       | LONG 70GR. 21 40 |       | ALT 850 M |       |       |       |      |      |      |      |
|-----|------|-----------------|-------|------------------|-------|-----------|-------|-------|-------|------|------|------|------|
|     |      | SEPT            | OCTO  | NOVE             | DECE  | JANU      | FEBR  | MARS  | AVRIL | MAT  | JUIN | JULI | AUGU |
| 1   | 3.5  |                 |       |                  |       |           |       |       | 13.6  |      |      |      |      |
| 2   |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 3   | 31.5 |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 4   | 2.2  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 5   | 2.0  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 6   |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 7   |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 8   |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 9   |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 10  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 11  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 12  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 13  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 14  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 15  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 16  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 17  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 18  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 19  | 15.1 |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 20  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 21  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 22  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 23  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 24  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 25  | 4.0  |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 26  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 27  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 28  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 29  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 30  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| 31  |      |                 |       |                  |       |           |       |       |       |      |      |      |      |
| TOT | 55.1 | 27.4            | 112.5 | 232.4            | 277.5 | 175.1     | 139.3 | 205.4 | 73.2  | 24.0 | 0.3  | 57.0 |      |



| DATE         | OCT. 28 30 |      |      |      | LONGR |      | TGP. 42 50 |      | ALTR 350 M |      |     |     | b                    |
|--------------|------------|------|------|------|-------|------|------------|------|------------|------|-----|-----|----------------------|
|              | SEPT       | OCT  | NOVE | DECE | JANV  | FEBR | MARS       | AVR  | MAY        | JUN  | JUL | AUG |                      |
| 1            |            |      |      |      |       |      |            | 2.0  |            |      |     |     | 2                    |
| 2            |            |      |      |      |       |      |            |      |            |      |     |     | 3                    |
| 3            |            |      |      | 6.5  |       |      |            |      |            |      |     |     | 4                    |
| 4            |            |      |      | 4.0  |       |      |            |      |            |      |     |     | 5                    |
| 5            |            |      |      |      |       |      | 4.5        |      |            |      |     |     | 6                    |
| 6            |            |      |      |      |       |      | 18.5       | 2.0  |            |      |     |     | 7                    |
| 7            |            |      |      |      |       |      |            |      |            |      |     |     | 8                    |
| 8            |            |      |      |      |       |      |            |      | 20.0       | 12.0 |     |     | 9                    |
| 9            |            |      |      |      |       |      |            |      |            |      |     |     | 10                   |
| 10           |            |      |      |      |       |      |            |      | 7.0        |      |     |     | 11                   |
| 11           |            |      |      |      |       |      |            |      |            |      |     |     | 12                   |
| 12           |            |      |      |      | 4.5   | 5.5  |            |      |            |      |     |     | 13                   |
| 13           |            |      |      |      |       |      |            | 12.0 |            |      |     |     | 14                   |
| 14           |            |      |      |      |       |      |            | 6.0  |            |      |     |     | 15                   |
| 15           |            |      |      |      |       |      |            |      |            |      |     |     | 16                   |
| 16           |            |      |      |      |       | 10.0 |            |      | 5.0        |      |     |     | 17                   |
| 17           |            |      |      |      | 20.0  |      | 3.0        | 15.0 | 1.0        |      |     |     | 18                   |
| 18           |            |      |      |      | 4.2   |      | 7.5        | 5.0  |            |      |     |     | 19                   |
| 19           |            |      |      |      |       | 2.1  | 9.0        | 2.0  |            |      |     |     | 20                   |
| 20           |            | 4.5  |      |      |       |      |            |      |            |      |     |     | 21                   |
| 21           |            |      |      | 4.0  |       | 5.0  | 8.5        | 1.0  | 3.0        |      |     |     | 22                   |
| 22           |            |      |      | 12.0 |       |      | 7.5        |      |            |      |     |     | 23                   |
| 23           |            |      |      |      |       |      |            |      |            |      |     |     | 24                   |
| 24           |            |      |      |      | 1.0   |      |            |      |            |      |     |     | 25                   |
| 25           |            | 5.5  |      |      |       | 2.5  |            |      |            |      |     |     | 26                   |
| 26           |            | 4.0  |      |      |       |      |            |      |            |      |     |     | 27                   |
| 27           |            |      |      |      |       | 9.1  |            |      |            |      |     |     | 28                   |
| 28           |            |      | 1.5  |      |       | 2.1  |            |      |            |      |     |     | 29                   |
| 29           |            |      |      |      | 7.0   |      |            |      |            |      |     |     | 30                   |
| 30           |            |      | 15.0 |      | 1.0   |      |            |      |            |      |     | 5.0 | 31                   |
| 31           |            |      | 1.5  |      |       |      |            | 1.5  |            |      |     |     | 32                   |
| TOT          | 10.0       | 14.0 | 19.1 | 26.5 | 37.7  | 37.6 | 60.0       | 55.0 | 36.0       | 22.0 | 0.2 | 3.2 |                      |
| OBSERVATIONS |            |      |      |      |       |      |            |      |            |      |     |     | TOTAL ANNUAL = 521.2 |
| ETH + HSB    | 112        | 112  | 112  | 112  | 112   | 112  | 112        | 112  | 112        | 112  | 112 | 112 |                      |
| N J          | 1          | 5    | 3    | 4    | 6     | 7    | 8          | 7    | 5          | 1    | 1   | 1   | 14                   |

| DATE         | OCT. 28 30 |      |      |      | LONGR |      | TGP. 42 50 |      | ALTR 350 M |     |     |     | b                    |
|--------------|------------|------|------|------|-------|------|------------|------|------------|-----|-----|-----|----------------------|
|              | SEPT       | OCT  | NOVE | DECE | JANV  | FEBR | MARS       | AVR  | MAY        | JUN | JUL | AUG |                      |
| 1            |            |      |      | 6.5  |       |      |            | 5.0  |            |     |     |     | 1                    |
| 2            |            |      |      |      |       |      |            | 2.5  |            |     |     |     | 2                    |
| 3            |            |      |      | 3.2  |       |      |            |      | 15.0       |     |     |     | 3                    |
| 4            |            |      |      | 6.7  |       |      |            |      |            |     |     |     | 4                    |
| 5            |            |      |      |      |       |      |            |      |            |     |     |     | 5                    |
| 6            |            |      |      | 7.5  |       |      | 16.2       |      |            | 5.0 |     |     | 6                    |
| 7            |            |      |      |      |       |      | 40.3       |      |            |     |     |     | 7                    |
| 8            |            |      |      |      |       |      |            |      | 5.7        |     |     |     | 8                    |
| 9            |            |      |      | 2.0  |       |      |            |      | 25.0       |     |     |     | 9                    |
| 10           |            |      |      |      |       |      |            |      |            |     |     |     | 10                   |
| 11           |            |      |      | 2.6  |       |      |            | 5.5  | 2.5        |     |     |     | 11                   |
| 12           |            |      |      |      |       |      |            |      | 2.4        |     |     |     | 12                   |
| 13           |            |      |      |      |       |      |            |      |            |     |     |     | 13                   |
| 14           |            |      |      |      |       | 3.0  |            | 13.0 |            |     |     |     | 14                   |
| 15           |            |      |      |      |       |      |            |      |            |     |     |     | 15                   |
| 16           |            |      |      |      | 6.5   |      |            |      |            |     |     |     | 16                   |
| 17           |            |      |      |      |       | 17.1 |            |      | 14.4       |     |     |     | 17                   |
| 18           |            |      |      |      |       | 15.0 |            |      |            |     |     |     | 18                   |
| 19           |            |      |      |      | 13.2  | 2.1  |            | 13.0 |            |     |     |     | 19                   |
| 20           |            |      |      | 6.5  | 3.4   |      |            | 17.5 | 9.0        |     |     |     | 20                   |
| 21           |            |      |      |      |       | 1.0  | 17.7       | 16.4 | 7.0        |     |     |     | 21                   |
| 22           |            |      |      |      |       |      | 5.1        | 10.5 |            |     |     |     | 22                   |
| 23           |            |      |      |      | 14.6  | 4.8  |            | 6.5  |            |     |     |     | 23                   |
| 24           |            |      |      |      |       | 3.7  |            |      |            |     |     |     | 24                   |
| 25           |            |      |      |      |       | 5.0  | 2.2        |      |            |     |     |     | 25                   |
| 26           |            |      |      |      |       | 2.0  |            |      |            |     |     |     | 26                   |
| 27           | 3.5        | 4.0  |      |      |       | 2.0  | 11.0       |      |            |     |     |     | 27                   |
| 28           |            |      |      |      |       | 8.4  |            |      |            |     |     |     | 28                   |
| 29           |            |      |      |      |       |      |            | 9.0  |            |     |     |     | 29                   |
| 30           |            |      |      | 14.0 |       |      |            |      |            |     |     |     | 30                   |
| 31           |            |      |      | 2.0  |       | 2.5  |            | 4.2  |            |     |     |     | 31                   |
| TOT          | 3.5        | 10.1 | 27.1 | 55.2 | 44.2  | 73.8 | 97.7       | 72.5 | 74.6       | 5.0 | 0.2 | 7.0 |                      |
| OBSERVATIONS |            |      |      |      |       |      |            |      |            |     |     |     | TOTAL ANNUAL = 507.5 |
| ETH + HSB    | 112        | 112  | 112  | 112  | 112   | 112  | 112        | 112  | 112        | 112 | 112 | 112 |                      |
| N J          | 1          | 5    | 3    | 4    | 6     | 7    | 8          | 7    | 5          | 1   | 1   | 1   | 14                   |



| LAT 40N 84 30 |      | LONG 76W 43 75 |      | ALT 350 M |       | DATE 12/17/1987 |       |      |      |     |     |
|---------------|------|----------------|------|-----------|-------|-----------------|-------|------|------|-----|-----|
| SEPT          | OCTO | NOVE           | DECE | JANV      | FEBR  | MARS            | AVRIL | MAY  | JUN  | JUL | AUG |
| 1             |      |                | 2.0  |           |       |                 | 6.5   |      |      |     |     |
| 2             |      |                | 5.3  |           |       |                 | 17.0  |      |      |     |     |
| 3             |      |                | 11.5 |           |       |                 |       |      |      |     |     |
| 4             |      |                | 15.3 |           |       | 3.0             |       |      |      |     |     |
| 5             |      |                | 10.5 |           |       | 27.7            |       | 1.3  |      |     |     |
| 6             |      |                |      |           |       | 29.0            | 1.0   |      |      |     |     |
| 7             |      |                |      |           |       | 1.4             |       |      |      |     |     |
| 8             |      |                | 3.4  |           |       | 2.0             |       | 74.0 |      |     |     |
| 9             |      |                |      |           |       |                 |       |      |      |     |     |
| 10            |      |                | 3.0  |           |       |                 |       | 10.0 |      |     |     |
| 11            |      |                |      |           |       |                 |       |      |      |     |     |
| 12            |      |                |      |           |       |                 |       | 4.0  |      |     |     |
| 13            |      |                |      |           | 1.0   |                 |       |      |      |     |     |
| 14            |      |                | 4.5  |           |       |                 | 10.0  |      |      |     |     |
| 15            |      |                |      | 21.0      |       |                 | 4.0   |      |      |     |     |
| 16            |      |                |      |           | 4.7   |                 |       |      |      |     |     |
| 17            |      |                |      |           | 21.7  |                 | 11.5  | 1.5  |      |     |     |
| 18            | 1.3  |                | 5.7  | 30.9      | 4.7   | 1.0             | 11.0  |      |      |     |     |
| 19            |      |                | 27.0 | 3.0       |       | 1.0             | 21.0  |      |      |     |     |
| 20            |      |                |      |           | 7.5   | 13.0            |       |      |      |     |     |
| 21            |      |                | 4.0  | 6.0       | 70.0  | -18.6           |       |      |      |     |     |
| 22            |      | 7.0            | 14.0 | 6.0       |       | 4.0             |       | 6.1  |      |     |     |
| 23            |      | 1.0            |      | 7.0       | 6.7   |                 |       |      |      |     |     |
| 24            |      | 13.1           | 2.5  | 7.2       | 5.0   |                 |       |      |      |     |     |
| 25            |      | 1.5            | 3.0  | 1.0       |       |                 |       |      |      |     |     |
| 26            |      | 2.5            | 7.1  | 4.3       | 74.5  |                 | 2.0   |      |      |     |     |
| 27            | 1.2  |                |      | 6.0       | 5.0   |                 | 2.5   |      |      |     |     |
| 28            | 1.0  |                | 14.0 | 11.5      |       |                 | 10.0  |      |      |     |     |
| 29            |      |                | 19.0 | 4.0       |       | 3.2             | 5.4   |      |      |     |     |
| 30            |      |                | 15.5 | 7.0       |       | 4.0             |       |      |      |     |     |
| 31            |      |                |      |           |       | 7.0             |       |      |      |     |     |
| TOT           | 3.5  | 75.0           | 72.9 | 104.8     | 114.6 | 108.2           | 115.0 | 99.1 | 34.7 | 2.0 | 0.0 |
| OBSERVATIONS  |      |                |      |           |       |                 |       |      |      |     |     |
| TOTAL AMPL    |      |                |      |           |       |                 |       |      |      |     |     |
| 112           | 112  | 112            | 112  | 112       | 112   | 112             | 112   | 112  | 112  | 112 | 158 |
| 3             | 5    | 8              | 12   | 13        | 16    | 13              | 12    | 8    | 0    | 0   | 41  |

| STATION 50767 |      | BARRAGE LAKES  |      |      |      |       |           |      | ANNEE 1981/1982 |      |      |  |
|---------------|------|----------------|------|------|------|-------|-----------|------|-----------------|------|------|--|
|               |      | LAT 40SR.01 CG |      |      |      | LDAC= | TGR.22 DO |      | ALT= 425 M      |      |      |  |
| SEPT          | OCTO | NOVE           | DECE | JANY | FEBV | MARS  | AVRI      | MAI  | JUIN            | JULI | AOUT |  |
| 1             |      |                | 0.6  |      |      |       | 7.0       | 1.5  | 0.0             |      |      |  |
| 2             |      |                |      |      |      |       | 7.6       |      |                 |      |      |  |
| 3             | 3.0  |                | 2.7  |      |      |       | 1         |      |                 |      |      |  |
| 4             | 3.4  |                | 1.9  |      |      |       |           |      |                 |      |      |  |
| 5             |      |                | 1.3  |      |      |       |           |      |                 |      |      |  |
| 6             |      |                |      |      |      |       |           |      |                 |      |      |  |
| 7             |      |                | 0.9  |      | 4.5  | 2.3   |           |      | 0.0             |      |      |  |
| 8             |      |                |      |      |      | 5     | 2.2       |      |                 |      |      |  |
| 9             |      |                | 2    |      |      |       |           |      |                 |      |      |  |
| 10            |      |                |      |      |      |       |           | 5.2  | 0.3             |      |      |  |
|               |      |                |      |      |      |       |           | 5.8  |                 |      |      |  |
| 11            |      |                | 3    |      |      |       |           |      |                 |      |      |  |
| 12            |      |                |      |      |      |       |           | 3.2  |                 |      |      |  |
| 13            |      |                | 2    |      |      |       |           |      |                 |      |      |  |
| 14            |      |                |      |      |      |       | 0         |      |                 |      |      |  |
| 15            |      |                |      |      | 5.7  |       | 4.5       |      |                 |      |      |  |
|               |      |                |      | 1.5  | 2    |       | 5.5       |      |                 | 7.0  |      |  |
| 16            |      |                |      | 9.2  | 14.2 |       | 3.0       |      |                 |      |      |  |
| 17            |      |                |      |      | 5.6  |       | 2         |      |                 |      |      |  |
| 18            |      |                |      |      |      |       | 5.9       | 2.8  |                 |      |      |  |
| 19            | 30.5 |                |      | 16.0 | 7    | 10.8  | 12.5      | 6    |                 |      |      |  |
| 20            |      |                |      | 4.0  |      | 2     | 8.2       |      |                 |      |      |  |
| 21            |      | 1.1            |      |      |      |       |           |      |                 |      |      |  |
| 22            |      | 2.0            |      | 3.3  | 1.2  | 15.7  | 6         |      |                 |      |      |  |
| 23            |      |                | 5.9  |      | 5.3  | 8     |           |      | 0.0             |      |      |  |
| 24            | 0.0  |                | 6.1  | 3    | 1.6  | 5.9   |           | 2.8  |                 |      |      |  |
| 25            | 0.0  | 15.0           |      | 6    | 2.6  |       |           |      |                 |      |      |  |
|               |      |                |      |      |      | 3.2   | 4.3       |      |                 |      | 2.5  |  |
| 26            | 4.5  |                |      | 1.2  | 1.7  | 1     | 5.2       |      |                 |      |      |  |
| 27            |      | 2              | 2.6  |      | 4.1  |       |           |      | 0.0             |      |      |  |
| 28            | 0.0  |                |      | 3.3  |      |       | 4.5       |      |                 |      |      |  |
| 29            |      |                | 6.1  |      |      |       | 9.0       |      |                 |      |      |  |
| 30            |      |                | 6.5  |      |      |       |           |      |                 |      |      |  |
| 31            |      |                |      | 2    |      |       |           |      |                 |      | 6.7  |  |
| TOT           | 42.7 | 17.1           | 10.5 | 12.3 | 47.9 | 31.4  | 38.9      | 52.6 | 29.1            | 1.0  | 1.0  |  |
| TOTAL ANNUEL  |      |                |      |      |      |       |           |      |                 |      |      |  |



STATION 50751

LAKE KUGLER, RU

ANNEX 1981/1982

| LAKE KUGLER, RU            |      |      |      |      |      |      |      |      |      |     |     |                    |
|----------------------------|------|------|------|------|------|------|------|------|------|-----|-----|--------------------|
| LONG= 86P.55 15 ALT= 145 M |      |      |      |      |      |      |      |      |      |     |     |                    |
| SEPT                       | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUN  | JUL | AGO |                    |
| 1                          |      |      | 2.0  |      |      |      |      |      |      |     |     | 1                  |
| 2                          |      |      | 0.0  |      |      |      |      |      |      |     |     | 2                  |
| 3                          |      |      | 0.0  |      |      |      |      |      |      |     |     | 3                  |
| 4                          |      |      | 1.0  |      |      |      |      |      |      |     |     | 4                  |
| 5                          |      |      |      |      |      |      |      |      |      |     |     | 5                  |
| 6                          |      |      |      |      |      | 30.0 | 5.5  |      |      |     |     | 6                  |
| 7                          |      |      |      |      |      |      |      | 10.0 |      |     | 5.0 | 7                  |
| 8                          |      |      |      |      |      |      |      | 15.0 |      |     |     | 8                  |
| 9                          |      |      |      |      |      |      |      |      |      |     |     | 9                  |
| 10                         |      |      |      |      |      |      |      | 1    |      |     |     | 10                 |
| 11                         |      | 1.5  |      |      |      |      |      | 6.0  |      |     |     | 11                 |
| 12                         |      |      |      |      |      |      |      |      |      |     |     | 12                 |
| 13                         |      | 0.0  |      |      | 2.0  |      |      |      |      |     |     | 13                 |
| 14                         |      |      | 0.5  |      |      |      | 11.0 |      |      |     |     | 14                 |
| 15                         |      |      |      | 24.0 |      |      | 5    |      |      |     |     | 15                 |
| 16                         |      |      |      |      | 1    |      |      |      |      |     |     | 16                 |
| 17                         |      |      |      |      |      |      |      |      |      |     |     | 17                 |
| 18                         | 1.5  |      | 2.0  | 7.0  |      | 1.0  | 5.0  |      |      |     |     | 18                 |
| 19                         |      |      | 6.5  | 21.0 |      |      | 15.0 |      |      |     |     | 19                 |
| 20                         |      | 5.5  |      | 1.0  |      |      | 7.0  |      |      |     |     | 20                 |
| 21                         |      |      |      | 1.0  | 12.1 | 14.0 |      |      |      |     |     | 21                 |
| 22                         |      |      | 1.5  |      | 1.0  |      |      |      |      |     |     | 22                 |
| 23                         |      | 5.5  | 1.0  |      | 1.0  |      |      |      |      |     |     | 23                 |
| 24                         | 2.0  |      | 1.0  | 4.0  |      | 1.0  |      |      |      |     |     | 24                 |
| 25                         |      | 14.0 | 5.0  |      | 4.0  |      |      |      |      |     |     | 25                 |
| 26                         | 3.5  | 5    |      | 4.5  |      | 1.0  |      |      |      |     |     | 26                 |
| 27                         |      |      |      | 1.0  | 6.5  |      |      |      |      |     |     | 27                 |
| 28                         | 4.0  | 5.5  |      | 4.0  |      |      |      |      |      |     | 1.0 | 28                 |
| 29                         |      |      | 5.0  | 5.5  |      |      |      |      |      |     |     | 29                 |
| 30                         |      |      |      |      |      | 1.0  |      |      |      |     |     | 30                 |
| 31                         |      |      |      |      |      | 3.0  |      |      |      |     | 1.0 | 31                 |
| TOT                        | 14.7 | 24.0 | 12.5 | 43.5 | 27.1 | 24.5 | 53.1 | 46.0 | 30.0 | 0.0 | 5.0 |                    |
| OBSERVATION SALEM THERMIST |      |      |      |      |      |      |      |      |      |     |     | TOTAL ANNUAL 324.4 |
| CON                        | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112 |                    |
| N                          | 4    | 5    | 5    | 4    | 8    | 4    | 4    | 6    | 5    | 0   | 3   | 44                 |

STATION 50772

LAKE KUGLER, RU

ANNEX 1981/1982

| LAKE KUGLER, RU            |      |      |      |      |      |      |      |      |      |     |      |                    |
|----------------------------|------|------|------|------|------|------|------|------|------|-----|------|--------------------|
| LONG= 76P.21 10 ALT= 234 M |      |      |      |      |      |      |      |      |      |     |      |                    |
| SEPT                       | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUN  | JUL | AGO  |                    |
| 1                          |      |      | 5.3  |      |      |      |      |      |      |     |      | 1                  |
| 2                          |      |      |      |      |      |      |      |      |      |     |      | 2                  |
| 3                          |      |      |      |      |      |      |      |      |      |     |      | 3                  |
| 4                          |      |      | 5.2  |      |      |      |      |      |      |     |      | 4                  |
| 5                          | 35.0 |      | 0.5  |      |      |      |      |      |      |     |      | 5                  |
| 6                          |      |      | 9.0  |      |      |      |      |      |      |     | 10.0 | 6                  |
| 7                          |      |      |      |      |      | 18.0 | 2.0  |      |      |     |      | 7                  |
| 8                          |      |      |      |      |      | 30.0 |      |      |      |     |      | 8                  |
| 9                          |      |      |      |      |      | 6.0  | 1.0  | 13.0 |      |     |      | 9                  |
| 10                         |      |      |      |      |      |      |      | 20.0 |      |     |      | 10                 |
| 11                         |      | 5.0  |      |      |      |      |      | 9.0  |      |     |      | 11                 |
| 12                         |      |      |      |      |      |      |      |      |      |     |      | 12                 |
| 13                         | 2.0  |      |      |      |      |      |      |      |      |     |      | 13                 |
| 14                         | 1.0  |      |      |      |      |      |      |      |      |     |      | 14                 |
| 15                         |      |      | 4.5  | 5.0  |      | 3.1  |      | 4.5  |      |     |      | 15                 |
| 16                         |      |      | 2.1  |      | 47.0 |      |      | 12.0 |      |     |      | 16                 |
| 17                         |      |      |      |      |      |      |      |      |      |     |      | 17                 |
| 18                         |      |      |      | 2.0  |      |      |      |      |      |     |      | 18                 |
| 19                         |      |      | 12.0 | 32.0 |      |      |      | 9.0  | 4.0  |     |      | 19                 |
| 20                         |      |      |      | 2.0  |      |      |      | 27.0 | 1.0  |     |      | 20                 |
| 21                         |      |      |      |      |      |      | 8.0  | 12.0 |      |     |      | 21                 |
| 22                         |      | 3.0  |      |      |      | 17.0 | 4.0  |      |      |     |      | 22                 |
| 23                         |      | 3.0  |      |      |      |      | 3.0  |      |      |     |      | 23                 |
| 24                         |      |      |      | 4.2  |      |      |      |      |      |     |      | 24                 |
| 25                         |      | 13.0 |      |      |      | 2.0  |      |      |      |     |      | 25                 |
| 26                         |      |      |      |      |      |      |      |      |      |     |      | 26                 |
| 27                         |      | 4.0  |      |      | 2.0  | 10.0 |      |      |      |     |      | 27                 |
| 28                         |      |      |      |      | 2.4  | 2.0  |      |      |      |     |      | 28                 |
| 29                         |      |      | 5.0  |      |      |      |      | 1.0  |      |     |      | 29                 |
| 30                         |      |      |      |      |      |      | 2.0  |      |      |     |      | 30                 |
| 31                         |      |      |      |      |      |      | 5.0  |      |      |     |      | 31                 |
| TOT                        | 44.0 | 21.0 | 27.1 | 54.1 | 85.1 | 13.1 | 76.1 | 72.5 | 54.0 | 0.0 | 0.0  | 13.3               |
| OBSERVATION SALEM THERMIST |      |      |      |      |      |      |      |      |      |     |      | TOTAL ANNUAL 491.4 |
| CON                        | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112  |                    |
| N                          | 4    | 5    | 5    | 4    | 8    | 4    | 4    | 6    | 5    | 0   | 3    | 44                 |



| STATION 10857            |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------|------|------|------|------|------|------|------|-------|------|------|------|
| BESMESSE KIN CHELAI SA   |      |      |      |      |      |      |      |       |      |      |      |
| ANNEE 1981/1982          |      |      |      |      |      |      |      |       |      |      |      |
| DATA 10GR. 17 CC         |      |      |      |      |      |      |      |       |      |      |      |
| LONGR 8GR. 11 50         |      |      |      |      |      |      |      |       |      |      |      |
| ALTA 254 P               |      |      |      |      |      |      |      |       |      |      |      |
| SEPT                     | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAT   | JUIN | JUIL | AOUT |
| 1                        |      |      |      |      |      |      |      |       |      |      |      |
| 2                        |      |      |      |      |      |      |      |       |      |      |      |
| 3                        |      |      |      |      |      |      |      |       |      |      |      |
| 4                        |      |      |      |      |      |      |      |       |      |      |      |
| 5                        |      |      |      |      |      |      |      |       |      |      |      |
| 6                        |      |      |      |      |      |      |      |       |      |      |      |
| 7                        |      |      |      |      |      |      |      |       |      |      |      |
| 8                        |      |      |      |      |      |      |      |       |      |      |      |
| 9                        |      |      |      |      |      |      |      |       |      |      |      |
| 10                       |      |      |      |      |      |      |      |       |      |      |      |
| 11                       |      |      |      |      |      |      |      |       |      |      |      |
| 12                       |      |      |      |      |      |      |      |       |      |      |      |
| 13                       |      |      |      |      |      |      |      |       |      |      |      |
| 14                       |      |      |      |      |      |      |      |       |      |      |      |
| 15                       |      |      |      |      |      |      |      |       |      |      |      |
| 16                       |      |      |      |      |      |      |      |       |      |      |      |
| 17                       |      |      |      |      |      |      |      |       |      |      |      |
| 18                       |      |      |      |      |      |      |      |       |      |      |      |
| 19                       |      |      |      |      |      |      |      |       |      |      |      |
| 20                       |      |      |      |      |      |      |      |       |      |      |      |
| 21                       |      |      |      |      |      |      |      |       |      |      |      |
| 22                       |      |      |      |      |      |      |      |       |      |      |      |
| 23                       |      |      |      |      |      |      |      |       |      |      |      |
| 24                       |      |      |      |      |      |      |      |       |      |      |      |
| 25                       |      |      |      |      |      |      |      |       |      |      |      |
| 26                       |      |      |      |      |      |      |      |       |      |      |      |
| 27                       |      |      |      |      |      |      |      |       |      |      |      |
| 28                       |      |      |      |      |      |      |      |       |      |      |      |
| 29                       |      |      |      |      |      |      |      |       |      |      |      |
| 30                       |      |      |      |      |      |      |      |       |      |      |      |
| 31                       |      |      |      |      |      |      |      |       |      |      |      |
| TOT                      | 14.0 | 23.6 | 65.7 | 62.9 | 82.5 | 84.1 | 84.1 | 832.2 | 55.5 | 0.0  | 0.0  |
| OBSERVATION HEUT D'ORDRE |      |      |      |      |      |      |      |       |      |      |      |
| TOTAL ANNUEL             |      |      |      |      |      |      |      |       |      |      |      |
| 112                      | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  |
| 4                        | 4    | 7    | 21   | 15   | 15   | 14   | 13   | 7     | 0    | 0    | 0    |

STATION 10857

BESMESSE KIN CHELAI SA

ANNEE 1981/1982

| DATA 10GR. 17 CC         |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------|------|------|------|------|------|------|------|-------|------|------|------|
| LONGR 8GR. 11 50         |      |      |      |      |      |      |      |       |      |      |      |
| ALTA 254 P               |      |      |      |      |      |      |      |       |      |      |      |
| SEPT                     | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAT   | JUIN | JUIL | AOUT |
| 1                        |      |      |      |      |      |      |      |       |      |      |      |
| 2                        |      |      |      |      |      |      |      |       |      |      |      |
| 3                        |      |      |      |      |      |      |      |       |      |      |      |
| 4                        |      |      |      |      |      |      |      |       |      |      |      |
| 5                        |      |      |      |      |      |      |      |       |      |      |      |
| 6                        |      |      |      |      |      |      |      |       |      |      |      |
| 7                        |      |      |      |      |      |      |      |       |      |      |      |
| 8                        |      |      |      |      |      |      |      |       |      |      |      |
| 9                        |      |      |      |      |      |      |      |       |      |      |      |
| 10                       |      |      |      |      |      |      |      |       |      |      |      |
| 11                       |      |      |      |      |      |      |      |       |      |      |      |
| 12                       |      |      |      |      |      |      |      |       |      |      |      |
| 13                       |      |      |      |      |      |      |      |       |      |      |      |
| 14                       |      |      |      |      |      |      |      |       |      |      |      |
| 15                       |      |      |      |      |      |      |      |       |      |      |      |
| 16                       |      |      |      |      |      |      |      |       |      |      |      |
| 17                       |      |      |      |      |      |      |      |       |      |      |      |
| 18                       |      |      |      |      |      |      |      |       |      |      |      |
| 19                       |      |      |      |      |      |      |      |       |      |      |      |
| 20                       |      |      |      |      |      |      |      |       |      |      |      |
| 21                       |      |      |      |      |      |      |      |       |      |      |      |
| 22                       |      |      |      |      |      |      |      |       |      |      |      |
| 23                       |      |      |      |      |      |      |      |       |      |      |      |
| 24                       |      |      |      |      |      |      |      |       |      |      |      |
| 25                       |      |      |      |      |      |      |      |       |      |      |      |
| 26                       |      |      |      |      |      |      |      |       |      |      |      |
| 27                       |      |      |      |      |      |      |      |       |      |      |      |
| 28                       |      |      |      |      |      |      |      |       |      |      |      |
| 29                       |      |      |      |      |      |      |      |       |      |      |      |
| 30                       |      |      |      |      |      |      |      |       |      |      |      |
| 31                       |      |      |      |      |      |      |      |       |      |      |      |
| TOT                      | 14.0 | 23.6 | 65.7 | 62.9 | 82.5 | 84.1 | 84.1 | 832.2 | 55.5 | 0.0  | 0.0  |
| OBSERVATION HEUT D'ORDRE |      |      |      |      |      |      |      |       |      |      |      |
| TOTAL ANNUEL             |      |      |      |      |      |      |      |       |      |      |      |
| 112                      | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  |
| 4                        | 4    | 7    | 21   | 15   | 15   | 14   | 13   | 7     | 0    | 0    | 0    |







STATION 51125

URRG LANTHORN

ANNEX 1981/1982

|                    | LAT= 40GR.05 20 |      | LONG= 70R.11 20 |      | ALT= 133 M |      |      |      |      |      |     |      |
|--------------------|-----------------|------|-----------------|------|------------|------|------|------|------|------|-----|------|
|                    | SEPT            | OCTO | NOV             | DECE | JANU       | FEBR | MARS | AVRI | MAI  | JUIN | JUL | AOUT |
| 1                  | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 1    |
| 2                  | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 2    |
| 3                  | 5.6             | .    | .               | 8.4  | .          | .    | .    | .    | .    | .    | .   | 3    |
| 4                  | .               | .    | .               | 6.6  | .          | .    | .    | .    | .    | .    | .   | 4    |
| 5                  | .               | .    | .               | 7.0  | .          | .    | 18.0 | .    | .    | .    | .   | 5    |
| 6                  | .               | .    | .               | .    | .          | .    | 20.0 | .    | .    | .    | .   | 6    |
| 7                  | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 7    |
| 8                  | .               | .    | 1.0             | .    | .          | .    | .    | .    | 14.5 | .    | .   | 8    |
| 9                  | .               | .    | 3.0             | .    | .          | .    | .    | .    | 21.0 | .    | .   | 9    |
| 10                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 10   |
| 11                 | .               | .    | .               | .    | .          | .    | .    | .    | 2.2  | .    | .   | 11   |
| 12                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 12   |
| 13                 | .               | .    | .               | .    | .          | 3.4  | .    | 5.0  | .    | .    | .   | 13   |
| 14                 | .               | .    | .               | .    | .          | .    | .    | 12.4 | .    | .    | .   | 14   |
| 15                 | .               | .    | .               | .    | 1.4        | .    | .    | 6.2  | .    | .    | .   | 15   |
| 16                 | .               | .    | .               | .    | .          | 11.8 | .    | .    | .    | .    | .   | 16   |
| 17                 | .               | .    | .               | .    | .          | 18.6 | .    | .    | 7.0  | .    | .   | 17   |
| 18                 | .               | .    | .               | .    | 14.4       | 2.4  | 7.7  | 14.2 | 3.0  | .    | .   | 18   |
| 19                 | .               | .    | .               | 6.0  | 1.4        | .    | 1.7  | 14.2 | 23.0 | .    | .   | 19   |
| 20                 | .               | 6.4  | .               | .    | .5         | 7.4  | 10.4 | 5.0  | .    | .    | .   | 20   |
| 21                 | .               | .    | .               | 5.0  | .          | 7.4  | 5.0  | 2.2  | .    | .    | .   | 21   |
| 22                 | .               | 1.4  | .               | 10.0 | 4.8        | .    | 6.0  | .    | .    | .    | .   | 22   |
| 23                 | .               | .    | .               | .    | 2.6        | .    | .    | .    | .    | .    | .   | 23   |
| 24                 | 2               | 94.0 | .               | .3   | 1.2        | .    | .    | .    | .    | .    | .   | 24   |
| 25                 | 3.5             | 4.0  | .               | .    | .          | .    | .    | .    | .    | .    | .   | 25   |
| 26                 | .               | 1.7  | 1.5             | .    | 1.4        | 18.0 | .    | .    | .    | .    | .   | 26   |
| 27                 | .               | .    | .               | .    | 7.4        | 4.4  | .    | 5.6  | .    | .    | .   | 27   |
| 28                 | .               | .    | 9.4             | .    | 4.0        | .    | .    | .    | .    | .    | .   | 28   |
| 29                 | .               | .    | 7.8             | .    | .6         | .    | 2.7  | .    | .    | .    | .   | 29   |
| 30                 | .               | .    | 4.2             | .    | .          | .    | 2.6  | .    | .    | .    | .   | 30   |
| 31                 | .               | .    | .               | .    | .          | .    | 4.4  | .    | .    | .    | .   | 31   |
| TOT                | 7.7             | 21.3 | 12.7            | 43.4 | 35.7       | 76.7 | 75.4 | 73.8 | 58.7 | 0.0  | 0.0 | 10.0 |
| OBSERVATION AMOUNT |                 |      |                 |      |            |      |      |      |      |      |     |      |
| DATA               | 157             | 112  | 112             | 112  | 112        | 112  | 112  | 112  | 112  | 112  | 112 | 159  |
| NO                 | 5               | 5    | 6               | 7    | 11         | 8    | 10   | 8    | 5    | 1    | 0   | 11   |

STATION 51226

USN AVAL

ANNEX 1981/1982

|                    | LAT= 40GR.05 00 |      | LONG= 70R.17 00 |      | ALT= 686 M |      |      |      |      |      |     |      |
|--------------------|-----------------|------|-----------------|------|------------|------|------|------|------|------|-----|------|
|                    | SEPT            | OCTO | NOV             | DECE | JANU       | FEBR | MARS | AVRI | MAI  | JUIN | JUL | AOUT |
| 1                  | 18.2            | .    | .               | 6.0  | .          | .    | .    | 15.1 | .    | .    | .   | 1    |
| 2                  | 12.0            | .    | .               | .    | .          | .    | .    | 35.0 | .    | .    | .   | 2    |
| 3                  | .               | .    | .               | 4.7  | .          | .    | .    | .    | .    | .    | .   | 3    |
| 4                  | 23.0            | .    | .               | 3.9  | .          | .    | .    | .    | .    | .    | .   | 4    |
| 5                  | .               | .    | .               | 8.0  | .          | .    | .    | .    | .    | .    | .   | 5    |
| 6                  | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 6    |
| 7                  | .               | .    | .               | 1.3  | .          | .    | 7.5  | .    | .    | .    | .   | 7    |
| 8                  | .               | .    | .               | .    | .          | .    | 2.5  | .    | .    | .    | .   | 8    |
| 9                  | .               | .    | .               | .    | .          | .    | .    | .    | 12.0 | .    | .   | 9    |
| 10                 | .               | .    | .               | .    | .          | .    | .    | .    | 9.1  | .    | .   | 10   |
| 11                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 11   |
| 12                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 12   |
| 13                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 13   |
| 14                 | .               | .    | .               | .    | .          | 1.4  | .    | .    | .    | .    | .   | 14   |
| 15                 | .               | .    | .               | .    | .          | .    | .    | 4.9  | .    | .    | .   | 15   |
| 16                 | .               | .    | .               | .    | .          | .    | .    | 10.7 | .    | .    | .   | 16   |
| 17                 | .               | .    | .               | .    | .          | 19.5 | .    | 11.2 | .    | .    | .   | 17   |
| 18                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 18   |
| 19                 | .               | .    | .               | .    | 7.3        | .    | 5.1  | 15.8 | 1.4  | .    | .   | 19   |
| 20                 | .               | 2.3  | .               | .    | .5         | .    | .    | 6.0  | .    | .    | .   | 20   |
| 21                 | .               | .    | .               | .    | 1.7        | 12.7 | 15.0 | .    | 13.0 | .    | .   | 21   |
| 22                 | .               | 2.0  | .               | 9.0  | .          | 6.7  | 12.0 | .    | 2.0  | .    | .   | 22   |
| 23                 | .               | 4.5  | .               | 12.0 | 2.0        | 1.4  | 6.0  | .    | .    | .    | .   | 23   |
| 24                 | 4.5             | 1.0  | .               | .    | .          | .    | .    | .    | .    | .    | .   | 24   |
| 25                 | .               | 12.0 | .               | .    | 1.6        | .    | 9.2  | .    | .    | .    | .   | 25   |
| 26                 | .               | .    | .               | .    | .          | 1.0  | .    | 5.0  | .    | .    | .   | 26   |
| 27                 | .               | .    | 1.0             | .    | 1.0        | 15.5 | .    | 6.3  | .    | .    | .   | 27   |
| 28                 | .               | .    | .               | .    | 4.3        | .    | .    | 6.7  | .    | .    | .   | 28   |
| 29                 | .               | .    | 3.0             | .    | 4.8        | .    | .    | .    | .    | .    | .   | 29   |
| 30                 | .               | .    | 15.2            | .    | 1.3        | .    | .    | 5.1  | .    | .    | .   | 30   |
| 31                 | .               | .    | .               | .    | .          | .    | .    | .    | .    | .    | .   | 31   |
| TOT                | 72.7            | 11.3 | 19.1            | 44.5 | 34.0       | 52.2 | 57.5 | 95.3 | 59.7 | 0.0  | 0.0 | 1.0  |
| OBSERVATION AMOUNT |                 |      |                 |      |            |      |      |      |      |      |     |      |
| DATA               | 155             | 107  | 103             | 111  | 107        | 107  | 112  | 111  | 110  | 112  | 111 | 111  |



| LIFE SCHEDULE (CONTINUED) |      |      |       |       |       |       |       |       |      |      |      |
|---------------------------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|
|                           | SEPT | OCTO | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY  | JUNE | JULY |
| 1                         |      |      |       | 6     |       |       |       | 31.0  | 13.7 |      |      |
| 2                         | 5.7  |      |       | 5.8   |       |       |       | 14.5  |      |      |      |
| 3                         |      |      |       | 17.5  |       |       | 1.5   |       |      |      |      |
| 4                         |      |      |       | 17.5  |       |       | 63.5  |       |      |      |      |
| 5                         |      |      |       | 10.4  |       | 1.1   | 55.2  |       |      |      |      |
| 6                         |      |      |       |       |       |       | 10.5  | 5.3   |      |      |      |
| 7                         |      |      |       | 1.3   |       |       | 2.5   |       |      |      |      |
| 8                         |      |      |       | 4.0   |       |       | 0     |       | 3.0  |      |      |
| 9                         |      |      |       |       |       |       |       |       | 25.2 |      |      |
| 10                        |      |      |       | 0.5   |       |       |       |       |      |      |      |
| 11                        |      |      |       |       |       |       |       |       | 4.7  |      |      |
| 12                        |      |      |       |       |       |       |       |       |      |      |      |
| 13                        |      |      |       | 1     |       | 6.7   |       | 3.2   |      |      |      |
| 14                        |      |      |       | 5.5   | 5     | 1.5   |       | 3.3   |      |      |      |
| 15                        |      |      |       |       |       |       |       |       |      |      |      |
| 16                        |      |      |       |       |       | 13.0  |       |       |      |      |      |
| 17                        |      |      |       |       |       | 13.4  |       | 7.0   |      |      |      |
| 18                        |      |      |       | 6.8   | 27.0  |       | 4.5   | 22.5  | 3.0  |      |      |
| 19                        |      |      |       | 49.0  | 1.7   |       | 2.5   | 19.3  |      |      |      |
| 20                        |      | 1.0  |       |       | 2.1   | 10.5  | 24.5  | 6.2   | 1.5  |      |      |
| 21                        |      |      |       | 15.3  | 1.0   | 33.0  | 26.0  |       |      |      |      |
| 22                        |      | 4.5  |       | 32.3  | 26.0  | 1.3   | 17.5  |       |      |      |      |
| 23                        |      | 16.5 |       | 2.3   | 24.5  | 5.2   | 1.6   |       |      |      |      |
| 24                        | 2.0  | 2.5  |       | 5.1   | 22.0  | 14.5  |       | 2.2   |      |      |      |
| 25                        |      | 12.0 | 4.0   | 7.5   | 2.0   | 1.7   |       | 1.0   |      |      |      |
| 26                        |      | 3.0  | 10.7  |       | 2.5   | 26.7  |       | 12.2  |      |      |      |
| 27                        | 3.0  |      |       |       | 28.5  | 1.1   |       | 13.3  |      |      |      |
| 28                        |      |      | 58.5  |       | 27.5  |       |       |       |      |      |      |
| 29                        |      |      | 13.0  |       | 16.5  |       | 6.5   |       |      |      |      |
| 30                        |      |      | 23.2  |       | 5     |       | 5.5   |       |      |      |      |
| 31                        |      |      |       |       |       |       | 6.0   |       |      |      |      |
| TOT                       | 16.7 | 32.7 | 100.2 | 107.6 | 175.2 | 146.1 | 213.1 | 116.9 | 53.4 | 0.0  | 0.3  |
| CONSERVATION=FOURTE       |      |      |       |       |       |       |       |       |      |      |      |
| CH                        | 112  | 112  | 112   | 112   | 112   | 112   | 112   | 112   | 112  | 112  | 112  |
| 5                         |      |      | 10    | 11    | 13    | 13    | 13    | 12    | 6    | 3    | 3    |

[illegible]







STATION ST455

DOU SAUK FME FUGL N°

ANNUF 1981-1982

141

|     | LANN ANNUF SS 15 |      |      |      | LANN ANNUF SS 15 |      |      |      | ALT= 125.5 |      |      |      |
|-----|------------------|------|------|------|------------------|------|------|------|------------|------|------|------|
|     | SEPT             | OCTO | NOV  | DECE | JANV             | FEBV | MARS | AVRI | MAL        | JUIN | JULI | AOÛT |
| 1   | -                | -    | -    | 5.5  | -                | -    | -    | 12.0 | -          | -    | -    | -    |
| 2   | -                | -    | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 3   | -                | -    | -    | 1.0  | -                | -    | -    | 2.5  | -          | -    | -    | -    |
| 4   | -                | -    | -    | 10.0 | -                | -    | -    | -    | -          | -    | -    | -    |
| 5   | -                | -    | -    | 4.0  | -                | -    | -    | -    | -          | -    | -    | -    |
| 6   | -                | -    | -    | 4.0  | -                | -    | 10.0 | -    | 2.0        | -    | -    | -    |
| 7   | -                | -    | -    | -    | -                | -    | 55.0 | 1.8  | -          | -    | -    | -    |
| 8   | -                | -    | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 9   | -                | -    | 2.6  | -    | -                | -    | -    | -    | 3.0        | -    | -    | 1.5  |
| 10  | -                | -    | -    | -    | -                | -    | -    | -    | 22.0       | -    | -    | 2.6  |
| 11  | -                | -    | 2.7  | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 12  | -                | -    | -    | -    | -                | -    | -    | -    | 3.0        | -    | -    | -    |
| 13  | -                | -    | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 14  | -                | -    | -    | -    | -                | 1.2  | -    | 5.0  | -          | -    | -    | -    |
| 15  | -                | -    | -    | 3.0  | 4.0              | -    | -    | 12.5 | -          | -    | -    | -    |
| 16  | -                | -    | -    | -    | -                | -    | -    | 5.0  | -          | -    | -    | -    |
| 17  | -                | -    | -    | -    | -                | 19.0 | -    | -    | -          | -    | -    | -    |
| 18  | -                | -    | -    | -    | 17.3             | 17.0 | -    | 6.0  | 1.5        | -    | -    | -    |
| 19  | -                | -    | -    | 2.6  | 7.5              | 1.0  | -    | 19.5 | -          | -    | -    | -    |
| 20  | -                | 7.0  | -    | 10.0 | -                | -    | 1.7  | 16.0 | 5.0        | -    | -    | -    |
| 21  | -                | -    | -    | -    | 9                | 8.0  | 11.0 | 5.0  | -          | -    | -    | -    |
| 22  | -                | 3.4  | -    | 9.0  | 1.0              | 5.0  | 11.0 | 2.5  | 4.5        | -    | -    | -    |
| 23  | -                | 2.7  | -    | 14.0 | 1.0              | -    | 5.0  | -    | -          | -    | -    | -    |
| 24  | 2.0              | 14.0 | -    | -    | 2.8              | 3.0  | -    | -    | -          | -    | -    | -    |
| 25  | -                | 4.0  | -    | 2.5  | -                | 3.0  | -    | -    | -          | -    | -    | -    |
| 26  | 11.5             | 3.0  | 1.0  | -    | 2.0              | -    | -    | -    | -          | -    | -    | -    |
| 27  | -                | -    | 2.5  | -    | -                | 70.5 | -    | -    | -          | -    | -    | -    |
| 28  | -                | -    | -    | -    | 7.0              | 11.0 | -    | -    | -          | -    | -    | -    |
| 29  | -                | -    | 11.0 | -    | 4.5              | -    | -    | -    | -          | -    | -    | -    |
| 30  | -                | -    | 5.0  | -    | -                | -    | 3.0  | -    | -          | -    | -    | -    |
| 31  | -                | -    | -    | -    | -                | -    | 5.0  | -    | -          | -    | -    | -    |
| TOT | 13.5             | 34.3 | 24.6 | 49.0 | 51.4             | 79.5 | 80.7 | 39.5 | 46.0       | 0.0  | 0.0  | 4.5  |

OBSERVATEUR= KAMLAOLI FERIE

TOTAL ANNUFL= 572.0

| CON = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| N° 2      | 6   | 5   | 11  | 13  | 12  | 10  | 11  | 7   | 3   | 3   | 5   | 31  |

STATION ST455

DOU SAUK FME FUGL N°

ANNUF 1981-1982

|     | LANN ANNUF SS 15 |      |      |      | LANN ANNUF SS 15 |      |      |      | ALT= 125.5 |      |      |      |
|-----|------------------|------|------|------|------------------|------|------|------|------------|------|------|------|
|     | SEPT             | OCTO | NOV  | DECE | JANV             | FEBV | MARS | AVRI | MAL        | JUIN | JULI | AOÛT |
| 1   | -                | -    | -    | 2.7  | -                | -    | -    | 15.7 | -          | -    | -    | -    |
| 2   | 21.5             | -    | -    | -    | -                | -    | -    | 4.6  | -          | -    | -    | -    |
| 3   | -                | -    | -    | 17.0 | -                | -    | -    | -    | -          | -    | -    | -    |
| 4   | -                | -    | -    | 10.0 | -                | -    | -    | -    | -          | -    | -    | -    |
| 5   | -                | -    | -    | 4.5  | -                | -    | -    | -    | -          | -    | -    | -    |
| 6   | -                | -    | -    | -    | -                | -    | 2.5  | -    | -          | -    | -    | -    |
| 7   | -                | -    | -    | -    | -                | -    | 17.0 | -    | -          | -    | -    | -    |
| 8   | -                | -    | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 9   | -                | -    | -    | -    | -                | -    | -    | -    | 7.0        | -    | -    | -    |
| 10  | -                | -    | -    | -    | -                | -    | -    | -    | 74.0       | -    | -    | -    |
| 11  | -                | -    | 9.3  | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 12  | -                | -    | -    | -    | -                | -    | -    | -    | 1.7        | -    | -    | -    |
| 13  | -                | -    | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 14  | -                | -    | -    | -    | -                | -    | -    | 1.0  | -          | -    | -    | -    |
| 15  | -                | -    | -    | -    | -                | -    | -    | 17.6 | -          | -    | -    | -    |
| 16  | -                | -    | -    | -    | 2.8              | -    | -    | 7.0  | -          | -    | -    | -    |
| 17  | -                | -    | -    | -    | -                | 19.0 | -    | -    | -          | -    | -    | -    |
| 18  | -                | -    | -    | -    | -                | 14.0 | -    | -    | -          | -    | -    | -    |
| 19  | -                | -    | -    | -    | 7.8              | 20.7 | 3.2  | 12.4 | -          | -    | -    | -    |
| 20  | -                | 2.9  | -    | -    | 1.5              | -    | -    | 25.0 | -          | -    | -    | -    |
| 21  | -                | -    | -    | -    | 2.5              | 9.0  | 0.3  | 2.2  | -          | -    | -    | -    |
| 22  | -                | -    | -    | -    | 1.8              | 22.5 | 27.5 | -    | -          | -    | -    | -    |
| 23  | 1.2              | 4.0  | -    | 14.0 | -                | -    | 6.5  | -    | -          | -    | -    | -    |
| 24  | 8.0              | 9.0  | -    | -    | 7.7              | 2.0  | 4.0  | -    | -          | -    | -    | -    |
| 25  | 7.0              | 1.0  | -    | -    | 4.5              | 10.0 | -    | -    | -          | -    | -    | -    |
| 26  | -                | 3.1  | 1.0  | -    | -                | 11.7 | -    | -    | -          | -    | -    | -    |
| 27  | -                | 3.1  | -    | -    | -                | -    | -    | -    | -          | -    | -    | -    |
| 28  | -                | -    | -    | -    | 10.0             | -    | -    | -    | -          | -    | -    | -    |
| 29  | -                | -    | 19.7 | -    | 4.4              | -    | -    | 2.7  | -          | -    | -    | -    |
| 30  | -                | -    | 17.4 | -    | 2.7              | -    | 3.6  | -    | -          | -    | -    | -    |
| 31  | -                | -    | -    | -    | -                | -    | 3.4  | -    | -          | -    | -    | -    |
| TOT | 34.7             | 26.8 | 22.2 | 33.4 | 44.7             | 31.7 | 41.8 | 68.1 | 32.9       | 0.0  | 0.0  | 5.0  |

OBSERVATEUR= KAMLAOLI FERIE

TOTAL ANNUFL= 574.0



575-115 576112

44111122 111111

ANNEX 17E Y/16A2

|           | LAT= 100N 55 15 |      |      |      | LONG= 000E 22 05 |      |      |      | ALFA= 122 N |     |     |       |
|-----------|-----------------|------|------|------|------------------|------|------|------|-------------|-----|-----|-------|
|           | SEPT            | OCTO | NOVE | DECE | JANU             | FEBR | MARS | APRI | MAY         | JUN | JUL | AUG   |
|           | 1               | 2    | 3    | 4    | 5                | 6    | 7    | 8    | 9           | 10  | 11  | 12    |
| 1         |                 |      |      | 2.6  |                  |      |      | 6.4  |             |     |     | 1     |
| 2         | 16.8            |      |      |      |                  |      |      |      |             |     |     | 2     |
| 3         |                 |      |      | 15.0 |                  |      |      |      |             |     |     | 3     |
| 4         | 1.2             |      |      | 7.5  |                  |      |      |      |             |     |     | 4     |
| 5         |                 |      |      |      |                  |      | 10.6 |      |             |     |     | 5     |
| 6         |                 |      |      |      |                  |      | 8.0  |      |             |     |     | 6     |
| 7         |                 |      |      |      |                  |      |      |      | 10.0        |     |     | 7     |
| 8         |                 |      |      |      |                  |      |      |      | 23.6        |     |     | 8     |
| 9         |                 |      |      |      |                  |      |      |      |             |     | 6.3 | 9     |
| 10        |                 |      |      |      |                  |      |      |      |             |     |     | 10    |
| 11        |                 |      | 2.9  |      |                  |      |      |      | 1.9         |     |     | 11    |
| 12        |                 |      |      |      |                  |      |      |      |             |     |     | 12    |
| 13        |                 |      |      |      |                  |      |      | 2.2  |             |     |     | 13    |
| 14        |                 |      |      |      |                  |      |      | 17.5 |             |     |     | 14    |
| 15        |                 |      |      |      | 1.5              |      |      | 7.6  |             |     |     | 15    |
| 16        |                 |      |      |      |                  | 15.8 |      |      |             |     |     | 16    |
| 17        |                 |      |      |      |                  | 11.8 |      | 3.9  | 1.0         |     |     | 17    |
| 18        |                 |      |      |      | 9.7              | 2.8  | 1.5  | 17.0 |             |     |     | 18    |
| 19        |                 |      |      |      | .5               |      |      | 17.5 | 5.0         |     |     | 19    |
| 20        |                 | 2.6  |      |      | 3.5              |      | 10.4 | 2.0  |             |     |     | 20    |
| 21        |                 |      |      | 19.4 | 1.8              | 8.4  | 18.0 | 2.8  | 1.4         |     |     | 21    |
| 22        |                 | 5.2  |      | 12.0 |                  |      | 6.8  |      |             |     |     | 22    |
| 23        |                 | 1.3  |      |      |                  | 7.1  | 3.2  |      |             |     |     | 23    |
| 24        | 1.5             | 9.9  |      |      | 4.2              | 7.2  |      |      |             |     |     | 24    |
| 25        |                 | 3.5  |      |      |                  |      |      |      |             |     |     | 25    |
| 26        |                 | 2.0  |      |      | .4               |      |      |      |             |     |     | 26    |
| 27        |                 |      | 1.5  |      | 10.7             | 2.4  |      |      |             |     |     | 27    |
| 28        |                 |      |      |      | 6.8              |      |      | 3.2  |             |     |     | 28    |
| 29        |                 |      |      |      | .6               |      |      | 2.2  |             |     |     | 29    |
| 30        |                 |      | 19.5 |      |                  |      | 4.5  |      |             |     |     | 30    |
| 31        |                 |      |      |      |                  |      |      |      |             |     |     | 31    |
| TOT       | 22.0            | 22.2 | 21.4 | 50.5 | 35.3             | 34.6 | 53.0 | 51.4 | 41.5        | 5.0 | 0.3 | 5.8   |
|           | JUSERVATED=     |      |      |      |                  |      |      |      |             |     |     | 579.0 |
| CON = 112 | 112             | 112  | 112  | 112  | 112              | 112  | 112  | 112  | 112         | 112 | 112 | 112   |
| N /       | 3               | 6    | 3    | 5    | 10               | 7    | 8    | 11   | 5           | 0   | 7   | 1     |

STAT 121 51615

CHERFECHE CAGN

ANNE: 195711752

| LAT=1403N,CS 55 1040E AGF.57 39 ALT= 57 M |      |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|------|
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1   | .    | .    | 2.7  | .    | .    | .    | .    | 3    | .    | .    | .    |
| 2   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    |
| 3   | .    | .    | 3.0  | .    | .    | .    | .    | .    | .    | .    | .    |
| 4   | .    | .    | 12.0 | .    | .    | .    | .    | .    | .    | .    | .    |
| 5   | 5.4  | .    | 2.4  | .    | .    | .    | .    | .    | .    | .    | .    |
| 6   | .    | .    | 4.8  | .    | .    | 11.5 | .    | .    | .    | .    | .    |
| 7   | 2.5  | .    | .    | .    | .    | 5.6  | 2.3  | .    | .    | .    | .    |
| 8   | .    | .    | 1.4  | .    | .    | 4    | .    | .    | .    | .    | .    |
| 9   | .    | .    | .    | .    | .    | 2.7  | .    | 7.5  | .    | .    | 12.4 |
| 10  | .    | .    | .    | .    | .    | .    | .    | 5.0  | .    | .    | .    |
| 11  | .    | .    | 2.2  | .    | .    | .    | .    | .    | .    | .    | .    |
| 12  | .    | .    | .    | .    | .    | .    | .    | 5.7  | .    | .    | .    |
| 13  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    |
| 14  | .    | .    | .    | .    | 1.5  | .    | .    | .    | .    | .    | .    |
| 15  | .    | .    | 5.4  | .    | .    | .    | 5.5  | .    | .    | .    | .    |
| 16  | .    | .    | .    | 44.5 | .    | .    | 2.0  | .    | .    | .    | .    |
| 17  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    |
| 18  | .    | .    | .    | 9.4  | 2.0  | 1.0  | .    | .    | .    | .    | .    |
| 19  | .    | .    | 2.4  | 11.0 | .    | 2.6  | 5.4  | .    | .    | .    | .    |
| 20  | .    | .    | 8.5  | .    | .    | 1.7  | 22.2 | .    | .    | .    | .    |
| 21  | .    | 6.2  | .    | .    | .    | .    | 15.0 | .    | .    | .    | .    |
| 22  | .    | .    | .    | .    | 12.5 | 15.6 | 4.6  | .    | .    | .    | .    |
| 23  | .    | 7.2  | .    | 7.2  | 4.5  | 1.7  | .    | .    | .    | .    | .    |
| 24  | .    | .    | .    | 4.4  | 5.4  | 3.0  | .    | .    | .    | .    | .    |
| 25  | .    | 2.0  | .    | 5    | 4.8  | 5.2  | .    | .    | .    | .    | .    |
| 26  | .    | 3.4  | .    | 5.2  | 1.3  | .    | 2.4  | 1.2  | .    | .    | .    |
| 27  | .    | .    | 2.3  | 2.0  | 7.6  | .    | .    | .    | .    | .    | .    |
| 28  | 3.6  | 2.5  | .    | .    | .    | .    | 1.7  | .    | .    | .    | .    |
| 29  | 3.7  | .    | 4.5  | 16.0 | .    | .    | .    | .    | .    | .    | 4.9  |
| 30  | .    | .    | 2.5  | .    | .    | 1.0  | .    | .    | .    | .    | .    |
| 31  | .    | .    | .    | .    | .    | 7.5  | .    | .    | .    | .    | .    |
| 101                                       | 55.7 | 21.7 | 31.0 | 50.5 | 35.3 | 30.2 | 51.2 | 60.7 | 13.5 | 31.0 | 17.3 |
| OBSERVATION FILED                         |      |      |      |      |      |      |      |      |      |      |      |
| 001 - 007                                 | 002  | 003  | 004  | 005  | 006  | 007  | 008  | 009  | 010  | 011  | 012  |



[illegible][illegible]



STATION 51715

COOP ETAKADIT

ANNES 1981/1982

|                             |    | LATN 4604.26 PS |      | LONGN 704.17 00 |      | ALT= 324 M |      |      |      |      |      |      |      |
|-----------------------------|----|-----------------|------|-----------------|------|------------|------|------|------|------|------|------|------|
|                             |    | SEPT            | OCTO | NOVE            | DECE | JANV       | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1                           |    |                 |      |                 | 4.2  |            |      |      |      |      |      |      | 1    |
| 2                           |    |                 |      |                 |      |            |      |      |      |      |      |      | 2    |
| 3                           |    |                 |      |                 | 4.6  |            |      |      |      |      |      |      | 3    |
| 4                           |    |                 |      |                 |      |            |      |      |      |      |      |      | 4    |
| 5                           |    |                 |      |                 | 6.3  |            |      |      |      |      |      |      | 5    |
| 6                           |    |                 |      |                 |      |            |      | 4.0  |      |      |      |      | 6    |
| 7                           |    |                 |      |                 |      |            |      | 13.0 |      |      |      |      | 7    |
| 8                           |    |                 |      |                 |      |            |      |      |      | 16.3 |      |      | 8    |
| 9                           |    |                 |      |                 |      |            |      |      |      | 17.0 |      |      | 9    |
| 10                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 10   |
| 11                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 11   |
| 12                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 12   |
| 13                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 13   |
| 14                          |    |                 |      |                 |      |            | 4.5  |      | 12.2 |      |      |      | 14   |
| 15                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 15   |
| 16                          |    |                 |      |                 |      |            |      |      | 11.6 |      |      |      | 16   |
| 17                          |    |                 |      |                 |      |            | 20.0 |      |      |      |      |      | 17   |
| 18                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 18   |
| 19                          |    |                 |      |                 |      | 11.0       |      |      | 17.0 |      |      |      | 19   |
| 20                          |    |                 | 2.5  |                 |      | 1.8        | 6.0  |      | 16.7 |      |      |      | 20   |
| 21                          |    |                 |      |                 |      |            | 7.4  | 24.0 |      |      |      |      | 21   |
| 22                          |    |                 | 1.5  |                 | 13.7 |            |      | 13.0 |      |      |      |      | 22   |
| 23                          |    |                 |      |                 | 7.0  |            |      | 6.0  |      |      |      |      | 23   |
| 24                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 24   |
| 25                          |    |                 | 11.5 |                 |      |            |      |      |      |      |      |      | 25   |
| 26                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 26   |
| 27                          |    |                 |      |                 |      | 5.7        | 10.0 |      |      |      |      |      | 27   |
| 28                          |    |                 |      |                 |      |            |      |      | 8.4  |      |      |      | 28   |
| 29                          |    |                 |      |                 |      | 3.7        |      |      |      |      |      |      | 29   |
| 30                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 30   |
| 31                          |    |                 |      |                 |      |            |      |      |      |      |      |      | 31   |
| TOT                         |    | 5.0             | 15.5 | 10.4            | 34.5 | 25.7       | 50.0 | 63.0 | 84.1 | 27.0 | 0.0  | 0.2  | 0.0  |
| OBSERVATIONS CHENKHI PAKHUK |    |                 |      |                 |      |            |      |      |      |      |      |      |      |
| TOTAL ANNUEL 534.8          |    |                 |      |                 |      |            |      |      |      |      |      |      |      |
| COM - 158                   |    | 112             | 112  | 112             | 112  | 112        | 112  | 112  | 112  | 112  | 112  | 112  | 112  |
| N J                         | 24 | 3               | 7    | 5               | 5    | 1          | 5    | 5    | 8    | 0    | 0    | 0    | 31   |

STATION 51856

DJANTOURA

ANNES 1981/1982

|                            |      | LATN 4064.77 50 |      | LONGN 764.10 20 |       | ALT= 360 M |       |       |      |      |      |      |      |
|----------------------------|------|-----------------|------|-----------------|-------|------------|-------|-------|------|------|------|------|------|
|                            |      | SEPT            | OCTO | NOVE            | DECE  | JANV       | FEBV  | MARS  | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1                          |      |                 |      |                 | 3.7   |            |       |       | 3.4  | 15.9 |      |      | 1    |
| 2                          | 25.2 |                 |      |                 | 23.1  |            |       |       | 14.9 |      |      |      | 2    |
| 3                          |      |                 |      |                 | 29.2  |            |       |       |      |      |      |      | 3    |
| 4                          |      |                 |      |                 | 12.6  |            |       | 4.1   |      |      |      |      | 4    |
| 5                          |      |                 |      |                 |       |            |       | 24.7  |      |      |      |      | 5    |
| 6                          |      |                 |      |                 |       |            |       | 81.8  |      |      |      |      | 6    |
| 7                          |      |                 |      |                 |       |            |       | 5.9   |      |      |      |      | 7    |
| 8                          |      |                 |      |                 | 4.6   |            |       | 4.9   |      | 5.6  |      |      | 8    |
| 9                          |      |                 |      |                 |       |            |       |       |      | 22.8 |      |      | 9    |
| 10                         |      |                 |      |                 | 5.9   |            |       |       |      |      |      |      | 10   |
| 11                         |      |                 |      |                 |       |            |       |       |      | 2.3  |      |      | 11   |
| 12                         |      |                 |      |                 |       |            |       |       |      |      |      |      | 12   |
| 13                         |      |                 |      |                 |       |            | 1.4   |       | 8    |      |      |      | 13   |
| 14                         |      |                 |      |                 | 3.1   |            |       |       | 8.6  |      |      |      | 14   |
| 15                         |      |                 |      |                 |       | 1.9        |       |       |      |      |      |      | 15   |
| 16                         |      |                 |      |                 |       |            | 8.3   |       |      |      |      |      | 16   |
| 17                         |      |                 |      |                 |       |            | 35.5  |       |      |      |      |      | 17   |
| 18                         |      |                 |      |                 | 31.7  | 25.3       |       |       | 12.1 |      |      |      | 18   |
| 19                         |      |                 |      |                 | 13.6  |            |       | 5.7   | 25.1 |      |      |      | 19   |
| 20                         |      |                 | 2.3  |                 |       | 1.1        | 8.1   | 2.8   | 12.3 |      |      |      | 20   |
| 21                         |      |                 | 2.7  |                 |       |            | 31.1  | 50.7  | 9.6  |      |      |      | 21   |
| 22                         |      |                 |      |                 | 25.6  | 19.1       |       | 22.3  |      |      |      |      | 22   |
| 23                         |      |                 | 3.2  |                 |       | 6.4        |       | 2.7   |      |      |      |      | 23   |
| 24                         | 1.5  | 17.2            |      |                 | 3.3   | 29.6       | 15.1  |       |      |      |      |      | 24   |
| 25                         |      | 1.3             |      | 2.1             | 6.4   | 9          |       |       |      |      |      |      | 25   |
| 26                         |      |                 | 4.3  | 8.9             |       |            | 28.7  |       |      |      |      |      | 26   |
| 27                         | 4.9  |                 |      |                 |       | 24.6       |       |       | 10.5 |      |      |      | 27   |
| 28                         |      |                 |      | 22.1            |       | 14.9       |       |       | 13.6 |      |      |      | 28   |
| 29                         |      |                 |      | 21.9            |       | 20.5       |       | 3.8   |      |      |      |      | 29   |
| 30                         |      |                 |      | 26.3            |       | 6.3        |       | 5.1   | 6.5  |      |      |      | 30   |
| 31                         |      |                 |      |                 |       |            |       | 6.9   |      |      |      |      | 31   |
| TOT                        | 29.6 | 31.7            | 20.2 | 149.9           | 134.1 | 133.2      | 291.7 | 115.7 | 40.6 | 0.0  | 0.2  | 0.0  | 10.5 |
| OBSERVATIONS HANDI YOUSSEF |      |                 |      |                 |       |            |       |       |      |      |      |      |      |
| TOTAL ANNUEL 241.6         |      |                 |      |                 |       |            |       |       |      |      |      |      |      |
| COM - 111                  |      | 112             | 112  | 112             | 112   | 112        | 112   | 112   | 112  | 112  | 112  | 112  | 112  |
| N J                        | 24   | 3               | 7    | 5               | 5     | 1          | 5     | 5     | 8    | 0    | 0    | 0    | 31   |



STATION 52062

JAMESA GARE

ANNEE 1981/1982

145

|              |    | LAT 39GR.23.00 |      | LONG 7GR.19.50 |      | ALT 552 M |      |      |      |      |      |      |      |
|--------------|----|----------------|------|----------------|------|-----------|------|------|------|------|------|------|------|
|              |    | SEPT           | OCTO | NOVE           | DECE | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1            | 1  |                |      |                | 5.5  |           |      |      |      |      |      |      | 1    |
| 2            | 2  |                |      |                |      |           |      |      |      |      |      |      | 2    |
| 3            | 3  |                |      |                |      |           |      |      |      |      |      |      | 3    |
| 4            | 4  |                |      |                |      |           |      |      |      |      |      |      | 4    |
| 5            | 5  |                |      |                |      |           |      |      |      |      |      |      | 5    |
| 6            | 6  |                |      |                |      |           |      |      |      |      |      |      | 6    |
| 7            | 7  |                |      |                |      |           |      |      |      |      |      |      | 7    |
| 8            | 8  |                |      |                |      |           |      |      |      |      |      |      | 8    |
| 9            | 9  |                |      |                |      |           |      |      |      | 15.3 |      |      | 9    |
| 10           | 10 |                |      |                |      |           |      |      |      | 7.0  |      |      | 10   |
| 11           | 11 |                |      |                |      |           |      |      |      |      |      |      | 11   |
| 12           | 12 |                |      |                |      |           |      |      |      |      |      |      | 12   |
| 13           | 13 |                |      |                |      |           |      |      |      |      |      |      | 13   |
| 14           | 14 |                |      |                |      |           |      |      |      |      |      |      | 14   |
| 15           | 15 |                |      |                |      |           |      |      | 6.0  |      |      |      | 15   |
| 16           | 16 |                |      |                |      |           | 16.0 |      | 3.5  |      |      |      | 16   |
| 17           | 17 |                | 8.2  |                |      |           |      | 10.5 |      |      |      |      | 17   |
| 18           | 18 |                |      |                | 10.0 |           |      |      |      |      |      |      | 18   |
| 19           | 19 |                |      |                |      |           | 7.0  |      | 7.0  |      | 17.0 |      | 19   |
| 20           | 20 |                | 4.5  |                |      |           |      |      |      |      |      |      | 20   |
| 21           | 21 |                |      |                |      |           | 10.0 |      | 12.0 |      | 3.0  |      | 21   |
| 22           | 22 |                |      |                |      |           |      |      |      |      |      |      | 22   |
| 23           | 23 |                |      |                |      |           |      |      |      |      |      |      | 23   |
| 24           | 24 |                |      | 6.7            | 15.5 |           |      |      |      |      |      |      | 24   |
| 25           | 25 |                |      |                |      | 5.0       |      |      |      |      |      |      | 25   |
| 26           | 26 |                |      | 7.4            |      | 3.8       |      |      | 7.0  |      |      |      | 26   |
| 27           | 27 |                |      |                |      | 2.0       |      |      |      |      |      |      | 27   |
| 28           | 28 |                |      |                |      | 4.0       |      |      | 15.0 |      |      |      | 28   |
| 29           | 29 |                |      |                |      |           |      |      |      |      |      |      | 29   |
| 30           | 30 |                |      |                |      |           |      |      |      |      |      |      | 30   |
| 31           | 31 |                |      |                |      |           |      |      |      |      |      |      | 31   |
| TOT          |    | 25.0           | 12.4 | 5.4            | 15.5 | 7.5       | 27.0 | 4.0  | 14.0 | 10.5 | 20.0 | 0.5  | 7.0  |
| OBSERVATIONS |    |                |      |                |      |           |      |      |      |      |      |      |      |
| COM + 15°    |    | 112            | 112  | 112            | 112  | 112       | 112  | 112  | 112  | 112  | 112  | 112  | 112  |
| N J          |    | 14             | 9    | 2              | 5    | 3         | 7    | 24   | 14   | 2    | 2    | 3    | 0    |

STATION 52508

BENHANI ELEVAGE

ANNEE 1981/1982

|              |    | LAT 39GR.01.50 |      | LONG 7GR.19.51 |      | ALT 652 M |      |      |      |      |      |      |      |
|--------------|----|----------------|------|----------------|------|-----------|------|------|------|------|------|------|------|
|              |    | SEPT           | OCTO | NOVE           | DECE | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1            | 1  |                |      |                |      |           |      |      | 17.0 |      |      |      | 1    |
| 2            | 2  |                |      |                |      |           |      |      |      |      |      |      | 2    |
| 3            | 3  | 26.0           |      |                | 11.0 |           |      |      |      |      |      |      | 3    |
| 4            | 4  |                |      |                | 6.5  |           |      |      |      |      |      |      | 4    |
| 5            | 5  | 5.9            |      |                |      |           |      | 1.7  |      |      |      |      | 5    |
| 6            | 6  |                |      |                |      |           |      |      | 2.2  |      |      |      | 6    |
| 7            | 7  |                |      |                |      |           |      |      |      |      |      |      | 7    |
| 8            | 8  |                |      |                |      |           |      | 2    |      | 6.7  |      |      | 8    |
| 9            | 9  |                |      |                |      |           |      |      |      | 10.0 |      |      | 9    |
| 10           | 10 |                |      |                |      |           |      |      |      |      |      |      | 10   |
| 11           | 11 |                |      |                |      |           |      |      |      |      |      |      | 11   |
| 12           | 12 |                |      |                |      |           |      |      |      |      |      |      | 12   |
| 13           | 13 |                |      |                |      |           |      |      |      |      |      |      | 13   |
| 14           | 14 |                |      |                |      |           | 9.2  |      | 7.5  |      |      |      | 14   |
| 15           | 15 |                |      |                |      |           |      |      | 6.7  |      |      |      | 15   |
| 16           | 16 |                |      |                |      |           |      |      |      |      |      |      | 16   |
| 17           | 17 |                |      |                |      |           | 12.0 |      | 2.5  |      |      |      | 17   |
| 18           | 18 |                |      |                |      |           |      | 7.2  | 9.5  | 15.0 |      |      | 18   |
| 19           | 19 | 17.5           |      |                |      | 10.5      |      |      | 6.5  |      |      |      | 19   |
| 20           | 20 |                | 12.5 |                |      | 2.5       | 15.7 |      | 6.7  |      |      |      | 20   |
| 21           | 21 |                | 3    |                |      | 7.4       | 24.0 |      |      |      |      |      | 21   |
| 22           | 22 |                | 2.6  |                | 19.5 | 1.5       | 1.4  | 1.5  |      |      |      |      | 22   |
| 23           | 23 |                | 2.5  |                |      |           |      | 1.1  |      |      |      |      | 23   |
| 24           | 24 |                | 3.7  |                |      | 3         |      |      |      |      |      |      | 24   |
| 25           | 25 |                | 12.7 |                |      |           |      |      | 4.2  |      |      |      | 25   |
| 26           | 26 |                |      |                |      |           | 7.4  |      |      |      |      |      | 26   |
| 27           | 27 |                |      |                |      | 1.3       |      |      |      |      |      |      | 27   |
| 28           | 28 |                |      | 5.0            |      | 2.4       |      |      | 1.3  |      |      |      | 28   |
| 29           | 29 |                |      | 9.5            |      | 3.4       |      |      | 5.1  |      |      |      | 29   |
| 30           | 30 |                |      | 2.0            |      | 2.5       |      |      |      |      |      |      | 30   |
| 31           | 31 |                |      |                |      |           |      | 1.0  |      |      |      |      | 31   |
| TOT          |    | 67.7           | 34.1 | 14.5           | 35.0 | 25.0      | 51.1 | 36.7 | 64.6 | 34.7 | 3.0  | 0.3  | 9.5  |
| OBSERVATIONS |    |                |      |                |      |           |      |      |      |      |      |      |      |
| COM + 112    |    | 112            | 112  | 112            | 112  | 112       | 112  | 112  | 112  | 112  | 112  | 112  | 112  |
| N J          |    | 4              | 4    | 4              | 5    | 3         | 2    | 7    | 11   | 3    | 0    | 3    | 5    |











STATION 52665

FLORIDA 54

ANNEX 1991/1992

|                               |     | LATN 40GR.55 25 |       | LONGN 6GR.55 50 |       | ALT 710 M |       |       |      |      |      |      |                      |
|-------------------------------|-----|-----------------|-------|-----------------|-------|-----------|-------|-------|------|------|------|------|----------------------|
|                               |     | SEPT            | OCTO  | NOVE            | DECE  | JANV      | FEBV  | MARS  | AVRI | MAI  | JUIN | JUIL | AOUT                 |
| 1                             |     |                 |       |                 |       |           |       |       | 20.2 | 1.6  |      |      | 1                    |
| 2                             |     |                 |       |                 |       |           |       |       | 3.7  | 1.5  |      |      | 2                    |
| 3                             |     |                 |       |                 |       |           |       |       |      |      |      |      | 3                    |
| 4                             | 2.1 |                 |       |                 | 34.8  |           |       | 38.9  |      |      |      |      | 4                    |
| 5                             |     |                 |       |                 | 20.1  |           |       |       |      |      |      |      | 5                    |
| 6                             |     |                 |       |                 |       |           |       | 50.6  | 3.2  |      |      |      | 6                    |
| 7                             |     |                 |       |                 |       |           |       | 4.5   |      |      |      |      | 7                    |
| 8                             |     |                 |       | 1.4             |       |           |       |       |      | 6.2  |      |      | 8                    |
| 9                             |     |                 |       | 4.2             |       |           |       |       |      | 25.1 |      |      | 9                    |
| 10                            |     |                 |       | 1.4             |       |           |       |       |      | 1.6  |      |      | 10                   |
| 11                            |     |                 |       |                 |       |           |       |       |      | 1.7  |      |      | 11                   |
| 12                            |     |                 |       | 3.0             |       |           |       |       |      |      |      |      | 12                   |
| 13                            |     |                 |       | 3.5             |       |           |       |       |      |      |      |      | 13                   |
| 14                            |     |                 |       |                 | 2.4   |           |       |       |      |      |      |      | 14                   |
| 15                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 15                   |
| 16                            |     |                 |       |                 |       |           | 28.5  |       |      |      |      |      | 16                   |
| 17                            |     |                 |       |                 |       |           | 20.4  |       |      |      |      |      | 17                   |
| 18                            |     |                 |       |                 | 1.4   | 9.5       | 5.4   |       | 10.6 |      |      |      | 18                   |
| 19                            |     |                 |       |                 | 7.5   | 8.2       |       | 6.5   | 37.5 | 42.7 |      |      | 19                   |
| 20                            |     |                 |       |                 |       | 4.5       | 15.6  | 10.8  | 15.6 | 2.9  |      |      | 20                   |
| 21                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 21                   |
| 22                            |     |                 |       |                 | 35.2  | 5.8       | 67.1  | 63.3  |      |      |      |      | 22                   |
| 23                            |     |                 |       |                 | 25.5  | 23.0      |       | 38.5  |      |      |      |      | 23                   |
| 24                            |     |                 |       |                 |       | 36.0      | 2.5   | 1.5   |      |      |      |      | 24                   |
| 25                            | 1.2 |                 |       |                 | 3.5   | 34.0      | 27.1  | 1.4   |      |      |      |      | 25                   |
| 26                            | 2.5 |                 |       |                 | 1.7   | 5.6       | 2.1   |       | 3.7  |      |      |      | 26                   |
| 27                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 27                   |
| 28                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 28                   |
| 29                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 29                   |
| 30                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 30                   |
| 31                            |     |                 |       |                 |       |           |       |       |      |      |      |      | 31                   |
| TOT                           | 5.2 | 4.1             | 103.3 | 143.4           | 217.4 | 240.4     | 250.0 | 165.2 | 81.1 | 5.0  | 0.3  | 10.7 |                      |
| OBSERVATEUR: INDUCTIE POHAPEN |     |                 |       |                 |       |           |       |       |      |      |      |      | TOTAL ANNUEL: 1255.4 |
| CTM                           | 112 | 112             | 112   | 112             | 112   | 112       | 112   | 112   | 112  | 112  | 112  | 112  |                      |
| N J                           | 3   | 4               | 10    | 11              | 15    | 12        | 11    | 14    | 3    | 0    | 2    | 1    | 33                   |

STATION 52664

GARDIAGOM BRE

ANNEX 1981/1982

|                    |      | LATN 40GR.50 05 |      | LONGN 6GR.77 29 |      | ALT 195 M |      |      |      |     |      |      |                     |
|--------------------|------|-----------------|------|-----------------|------|-----------|------|------|------|-----|------|------|---------------------|
|                    |      | SEPT            | OCTO | NOVE            | DECE | JANV      | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT                |
| 1                  |      |                 |      |                 |      |           |      |      | 15.1 |     |      |      | 1                   |
| 2                  |      |                 |      |                 |      |           |      |      | 1.4  |     |      |      | 2                   |
| 3                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 3                   |
| 4                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 4                   |
| 5                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 5                   |
| 6                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 6                   |
| 7                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 7                   |
| 8                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 8                   |
| 9                  |      |                 |      |                 |      |           |      |      |      |     |      |      | 9                   |
| 10                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 10                  |
| 11                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 11                  |
| 12                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 12                  |
| 13                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 13                  |
| 14                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 14                  |
| 15                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 15                  |
| 16                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 16                  |
| 17                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 17                  |
| 18                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 18                  |
| 19                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 19                  |
| 20                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 20                  |
| 21                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 21                  |
| 22                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 22                  |
| 23                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 23                  |
| 24                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 24                  |
| 25                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 25                  |
| 26                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 26                  |
| 27                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 27                  |
| 28                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 28                  |
| 29                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 29                  |
| 30                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 30                  |
| 31                 |      |                 |      |                 |      |           |      |      |      |     |      |      | 31                  |
| TOT                | 25.1 | 23.4            | 26.4 | 62.9            | 50.0 | 68.1      | 94.0 | 91.1 | 51.2 | 0.0 | 0.3  | 1.5  |                     |
| OBSERVATEUR: N R E |      |                 |      |                 |      |           |      |      |      |     |      |      | TOTAL ANNUEL: 691.5 |
| CTM                | 112  | 112             | 112  | 112             | 112  | 112       | 112  | 112  | 112  | 112 | 112  | 112  |                     |
| N J                | 10   | 11              | 14   | 4               | 0    | 3         | 1    | 34   |      |     |      |      | 34                  |



STATION 529435

GOMBELIAT DUC

ANNEX 1981/1982

149

| LATY 40GR.60 TO |      |      |      |       | LONGH 5GR.10 TO |      |      | ALT 107 M |      |      |      |
|-----------------|------|------|------|-------|-----------------|------|------|-----------|------|------|------|
| SEPT            | OCTO | NOVE | DECE | JANV  | FEBV            | MARS | AVRI | MAI       | JUIN | JUIL | AOUT |
| 1               |      |      | 2.3  |       |                 |      | 2.3  |           |      |      | 1    |
| 2               |      |      |      |       |                 |      | 4.0  |           |      |      | 2    |
| 3               |      |      |      |       |                 |      | 3    |           |      |      | 3    |
| 4               |      |      | 3.0  |       |                 |      |      |           |      |      | 4    |
| 5               |      |      | 6.4  |       |                 |      |      |           |      |      | 5    |
| 6               |      |      |      |       |                 |      |      |           |      |      |      |
| 7               |      |      |      |       | 4               | 7.2  |      |           |      |      | 6    |
| 8               |      |      |      |       |                 | 16.0 | 2.9  |           |      |      | 7    |
| 9               |      |      |      |       |                 | 6.0  |      |           |      |      | 8    |
| 10              |      |      |      |       |                 |      |      |           |      |      | 9    |
| 11              |      |      |      |       |                 |      |      |           |      |      | 10   |
| 12              |      | 1.6  |      |       |                 |      |      |           |      |      | 11   |
| 13              |      |      |      |       |                 |      |      |           |      |      | 12   |
| 14              |      |      |      |       |                 |      |      |           |      |      | 13   |
| 15              |      |      | 1.3  | 42.0  |                 |      | 5.9  |           |      |      | 14   |
| 16              |      |      |      |       |                 |      |      |           |      |      | 15   |
| 17              |      | 5.7  |      |       |                 |      | 1.5  |           |      |      | 16   |
| 18              |      |      |      |       | 1.2             |      |      |           |      |      | 17   |
| 19              |      |      | 2.3  | 44.3  |                 | 1.0  | 4.7  |           |      |      | 18   |
| 20              |      |      |      | 4.0   |                 |      | 21.4 |           |      |      | 19   |
| 21              |      |      |      |       |                 |      |      |           |      |      | 20   |
| 22              | 10.7 |      |      | 4.4   |                 |      | 8.3  |           |      |      | 21   |
| 23              |      |      | 8    |       | 7.5             | 15.3 |      |           |      |      | 22   |
| 24              | 10.7 |      | 6.9  | 1.0   | 12.7            | 4.8  |      |           |      |      | 23   |
| 25              |      |      | 1.1  | 5     | 4.2             | 1.0  |      |           |      |      | 24   |
| 26              |      |      |      |       |                 |      |      |           |      |      | 25   |
| 27              | 19.3 |      | 4.5  |       | 4               | 2.4  | 1.3  |           |      |      | 26   |
| 28              |      | 3.5  |      | 4.2   | 6.5             |      |      |           |      |      | 27   |
| 29              |      |      |      | 3.8   |                 |      |      |           |      |      | 28   |
| 30              |      |      |      | 1.4   |                 |      | 2.7  |           |      |      | 29   |
| 31              |      | 23.0 |      | 1.9   |                 | 1.4  |      |           |      |      | 30   |
| TOT             | 21.5 | 33.7 | 26.7 | 107.5 | 74.1            | 55.1 | 61.1 | 40.7      | 0.0  | 0.0  | 0.0  |

OBSERVATEUR: MOHAMED MEJRI

TOTAL ANNUEL = 624.4

| CH 000 | 112 | 172 | 112 | 112 | 112 | 112 | 112 | 358 | 058 | 358 | 358 |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R 1    | 4   | 3   | 9   | 10  | 7   | 5   | 11  | 44  | 64  | 26  | 44  |

STATION 53045

HALDRA P.D. SM

ANNEX 1981/1982

| LATY 39GR.51 ES |      |      |      |      | LONGH 6GR.01 DA |      |      | ALT 850 M |      |      |      |
|-----------------|------|------|------|------|-----------------|------|------|-----------|------|------|------|
| SEPT            | OCTO | NOVE | DECE | JANV | FEBV            | MARS | AVRI | MAI       | JUIN | JUIL | AOUT |
| 1               |      |      |      |      |                 |      | 24.0 |           |      |      | 1    |
| 2               | 5.5  |      |      |      |                 |      |      |           |      |      | 2    |
| 3               | 6.4  |      |      |      |                 |      |      |           |      |      | 3    |
| 4               |      |      |      |      |                 |      |      |           |      |      | 4    |
| 5               |      |      |      |      |                 |      |      |           |      |      | 5    |
| 6               |      |      |      |      |                 |      |      |           |      |      |      |
| 7               |      |      |      |      |                 |      | 6.2  |           |      |      | 6    |
| 8               |      |      |      |      |                 |      |      |           |      |      | 7    |
| 9               |      |      |      |      |                 |      |      | 11.9      |      |      | 8    |
| 10              |      |      |      |      |                 |      |      | 6.3       |      |      | 9    |
| 11              |      |      |      |      |                 |      |      |           |      |      | 10   |
| 12              |      |      |      |      |                 |      |      |           |      |      | 11   |
| 13              |      |      |      |      |                 |      |      |           |      |      | 12   |
| 14              | 4.7  |      |      |      | 4.2             |      |      |           |      |      | 13   |
| 15              |      |      |      |      |                 |      | 3.0  |           |      |      | 14   |
| 16              |      |      |      |      |                 |      | 11.5 |           |      |      | 15   |
| 17              |      |      |      |      |                 | 19.5 |      | 4.3       |      |      | 16   |
| 18              |      |      |      |      |                 |      |      | 20.2      |      |      | 17   |
| 19              |      |      |      | 10.4 |                 | 7.3  | 16.2 | 1.0       |      |      | 18   |
| 20              |      |      |      | 2.7  |                 |      | 12.4 | 2.8       |      |      | 19   |
| 21              |      |      |      |      |                 |      |      |           |      |      | 20   |
| 22              |      | 1.0  |      | 2.1  | 2.5             | 8.2  |      |           |      |      | 21   |
| 23              |      |      | 2.1  | 2.3  | 2.0             |      |      |           |      |      | 22   |
| 24              |      | 7.0  |      |      |                 | 1.5  |      |           |      |      | 23   |
| 25              | 3.0  | 5.0  |      | 1.6  |                 |      |      |           |      |      | 24   |
| 26              |      |      |      |      |                 |      |      | 4.5       |      |      | 25   |
| 27              |      | 1.2  |      |      |                 |      | 10.0 |           |      |      | 26   |
| 28              | 7.4  |      |      |      | 5.1             |      | 1.3  |           |      |      | 27   |
| 29              |      |      |      |      |                 |      | 9.1  |           |      |      | 28   |
| 30              |      | 1.6  |      |      |                 |      |      | 3.0       |      |      | 29   |
| 31              |      |      |      |      |                 | 71.0 | 2.6  |           |      |      | 30   |
| TOT             | 26.5 | 10.0 | 2.6  | 4.9  | 19.1            | 33.6 | 22.0 | 49.5      | 3.0  | 0.0  | 7.3  |

OBSERVATEUR: AMMAR ZARRAI

TOTAL ANNUEL = 275.3

CH 112 112 112 112 112 112 112 112 112 112 112 112



STATION 53026

HEAVY EL

ANNEX 1951/1952

|              |      | LATN 40GR.41 25 |      | LONGN |      | AGR. 12 50 |       | ALT 40 M |      | ADDF |     |       |
|--------------|------|-----------------|------|-------|------|------------|-------|----------|------|------|-----|-------|
| SEPT         | OCTO | NOVE            | DECE | JANV  | FEBV | MARS       | AVRIL | MAT      | JUN  | JUL  | AUG |       |
| 1            |      |                 | 5.0  |       |      |            |       |          |      |      |     | 1     |
| 2            |      |                 |      |       |      |            |       |          |      |      |     | 2     |
| 3            |      |                 |      |       |      |            |       |          |      |      |     | 3     |
| 4            |      |                 | 7.0  |       |      |            |       |          |      |      |     | 4     |
| 5            | 7.0  |                 | 4.5  |       |      |            |       |          |      |      |     | 5     |
| 6            |      |                 |      |       |      |            |       |          |      |      |     | 6     |
| 7            |      |                 | 5.0  |       |      | 18.0       |       |          |      |      |     | 7     |
| 8            |      |                 |      |       |      | 11.0       | 3.0   |          |      |      |     | 8     |
| 9            |      |                 |      |       |      | 6.5        |       | 8.0      |      |      |     | 9     |
| 10           |      |                 |      |       |      |            |       | 21.0     |      |      |     | 10    |
| 11           |      |                 |      |       |      |            |       |          |      |      |     | 11    |
| 12           |      |                 |      |       |      |            |       |          |      |      |     | 12    |
| 13           |      |                 | 2.5  |       |      |            |       | 5.0      |      |      |     | 13    |
| 14           |      |                 |      |       |      |            |       |          |      |      |     | 14    |
| 15           |      |                 |      |       |      |            |       |          |      |      |     | 15    |
| 16           |      |                 |      |       |      |            |       |          |      |      |     | 16    |
| 17           |      |                 |      |       |      |            |       |          |      |      |     | 17    |
| 18           | 38.0 |                 |      |       |      |            |       |          |      |      |     | 18    |
| 19           |      |                 |      |       |      |            |       |          |      |      |     | 19    |
| 20           |      |                 |      |       |      |            |       |          |      |      |     | 20    |
| 21           |      |                 |      |       |      |            |       |          |      |      |     | 21    |
| 22           |      |                 |      |       |      |            |       |          |      |      |     | 22    |
| 23           |      |                 |      |       |      |            |       |          |      |      |     | 23    |
| 24           |      |                 |      |       |      |            |       |          |      |      |     | 24    |
| 25           |      |                 |      |       |      |            |       |          |      |      |     | 25    |
| 26           |      |                 |      |       |      |            |       |          |      |      |     | 26    |
| 27           |      |                 |      |       |      |            |       |          |      |      |     | 27    |
| 28           |      |                 |      |       |      |            |       |          |      |      |     | 28    |
| 29           |      |                 |      |       |      |            |       |          |      |      |     | 29    |
| 30           |      |                 |      |       |      |            |       |          |      |      |     | 30    |
| 31           |      |                 |      |       |      |            |       |          |      |      |     | 31    |
| TOT          | 57.0 | 26.5            | 28.0 | 52.5  | 74.4 | 26.7       | 54.0  | 55.0     | 46.0 | 0.0  | 0.3 | 5.3   |
| TOTAL ANNUAL |      |                 |      |       |      |            |       |          |      |      |     | 125.1 |
| OBSERVATIONS |      |                 |      |       |      |            |       |          |      |      |     |       |
| COH          | 112  | 112             | 112  | 112   | 112  | 112        | 112   | 112      | 112  | 053  | 053 | 053   |
| N            | 5    | 6               | 7    | 8     | 7    | 4          | 6     | 5        | 4    | 4    | 2   | 1     |

STATION 53166

HEAVY EL RPT SUNDRIE

ANNEX 1951/1952

|              |      | LATN 40GR.42 10 |      | LONGN |      | AGR. 25 70 |       | ALT 475 M |     | ADDF |     |       |
|--------------|------|-----------------|------|-------|------|------------|-------|-----------|-----|------|-----|-------|
| SEPT         | OCTO | NOVE            | DECE | JANV  | FEBV | MARS       | AVRIL | MAT       | JUN | JUL  | AUG |       |
| 1            |      |                 |      |       |      |            |       |           |     |      |     | 1     |
| 2            |      |                 |      |       |      |            |       |           |     |      |     | 2     |
| 3            |      |                 |      |       |      |            |       |           |     |      |     | 3     |
| 4            |      |                 |      |       |      |            |       |           |     |      |     | 4     |
| 5            |      |                 |      |       |      |            |       |           |     |      |     | 5     |
| 6            |      |                 |      |       |      |            |       |           |     |      |     | 6     |
| 7            |      |                 |      |       |      |            |       |           |     |      |     | 7     |
| 8            |      |                 |      |       |      |            |       |           |     |      |     | 8     |
| 9            |      |                 |      |       |      |            |       |           |     |      |     | 9     |
| 10           |      |                 |      |       |      |            |       |           |     |      |     | 10    |
| 11           |      |                 |      |       |      |            |       |           |     |      |     | 11    |
| 12           |      |                 |      |       |      |            |       |           |     |      |     | 12    |
| 13           |      |                 |      |       |      |            |       |           |     |      |     | 13    |
| 14           |      |                 |      |       |      |            |       |           |     |      |     | 14    |
| 15           |      |                 |      |       |      |            |       |           |     |      |     | 15    |
| 16           |      |                 |      |       |      |            |       |           |     |      |     | 16    |
| 17           |      |                 |      |       |      |            |       |           |     |      |     | 17    |
| 18           |      |                 |      |       |      |            |       |           |     |      |     | 18    |
| 19           |      |                 |      |       |      |            |       |           |     |      |     | 19    |
| 20           |      |                 |      |       |      |            |       |           |     |      |     | 20    |
| 21           |      |                 |      |       |      |            |       |           |     |      |     | 21    |
| 22           |      |                 |      |       |      |            |       |           |     |      |     | 22    |
| 23           |      |                 |      |       |      |            |       |           |     |      |     | 23    |
| 24           |      |                 |      |       |      |            |       |           |     |      |     | 24    |
| 25           |      |                 |      |       |      |            |       |           |     |      |     | 25    |
| 26           |      |                 |      |       |      |            |       |           |     |      |     | 26    |
| 27           |      |                 |      |       |      |            |       |           |     |      |     | 27    |
| 28           |      |                 |      |       |      |            |       |           |     |      |     | 28    |
| 29           |      |                 |      |       |      |            |       |           |     |      |     | 29    |
| 30           |      |                 |      |       |      |            |       |           |     |      |     | 30    |
| 31           |      |                 |      |       |      |            |       |           |     |      |     | 31    |
| TOT          | 24   | 27              | 27.5 | 26.7  | 27.7 | 46.8       |       |           |     | 0.0  | 0.3 | 10.0  |
| TOTAL ANNUAL |      |                 |      |       |      |            |       |           |     |      |     | 100.0 |
| OBSERVATIONS |      |                 |      |       |      |            |       |           |     |      |     |       |
| COH          | 132  | 070             | 112  | 112   | 112  | 132        | 000   | 112       | 112 | 112  | 112 | 112   |
| N            | 5    | 6               | 7    | 8     | 7    | 4          | 6     | 5         | 4   | 4    | 2   | 1     |







| STATION 53605         |      | CELESTIAL     |      | JAN 1961/1962 |      |           |      |      |      |      |      |      |      |     |                       |  |  |  |  |
|-----------------------|------|---------------|------|---------------|------|-----------|------|------|------|------|------|------|------|-----|-----------------------|--|--|--|--|
|                       |      | LAT 40N 20 15 |      | LONG 75 38 75 |      | ALT 620 M |      |      |      |      |      |      |      |     |                       |  |  |  |  |
|                       |      | SEPT          | OCTO | NOVE          | DECE | JANV      | FEBV | MARS | AVRI | MAI  | JUIN | JULI | AOUT |     |                       |  |  |  |  |
| 1                     | 6    |               |      |               |      |           |      |      | 14.4 |      |      |      |      |     | 1                     |  |  |  |  |
| 2                     | 10.3 |               |      |               |      |           |      |      | 12.2 |      |      |      |      |     | 2                     |  |  |  |  |
| 3                     | 4.1  |               |      |               | 16.2 |           |      |      |      |      |      |      |      |     | 3                     |  |  |  |  |
| 4                     | 1.0  |               |      |               | 4.2  |           |      |      |      |      |      |      |      |     | 4                     |  |  |  |  |
| 5                     |      |               |      |               | 1.1  |           |      | 3.6  |      |      | 1.3  |      |      |     | 5                     |  |  |  |  |
| 6                     |      |               |      |               |      |           |      | 5.0  | .7   |      |      |      |      |     | 6                     |  |  |  |  |
| 7                     |      |               |      |               |      |           |      | 7.2  |      |      |      |      |      |     | 7                     |  |  |  |  |
| 8                     |      |               |      |               |      |           |      |      |      | 16.5 |      |      |      |     | 8                     |  |  |  |  |
| 9                     |      |               |      |               |      |           |      |      |      | 14.2 |      |      | 5.3  |     | 9                     |  |  |  |  |
| 10                    |      |               |      |               |      |           |      | .2   |      |      |      |      | .3   |     | 10                    |  |  |  |  |
| 11                    |      |               |      |               |      |           |      |      |      |      |      |      |      |     | 11                    |  |  |  |  |
| 12                    |      |               |      |               |      |           |      |      | .0   |      |      |      |      |     | 12                    |  |  |  |  |
| 13                    | .5   |               |      |               |      |           | 1.6  |      | .4   |      |      |      |      |     | 13                    |  |  |  |  |
| 14                    |      |               |      |               |      |           |      |      | 15.0 |      |      |      |      |     | 14                    |  |  |  |  |
| 15                    |      |               |      |               |      | .5        |      |      | 8.5  |      |      |      |      |     | 15                    |  |  |  |  |
| 16                    |      |               |      |               |      |           | 10.2 |      |      |      |      |      |      |     | 16                    |  |  |  |  |
| 17                    |      |               |      |               |      |           | 10.6 | 2.7  | 2.5  | 1.5  |      |      |      |     | 17                    |  |  |  |  |
| 18                    | 8.3  |               |      |               |      | 3.5       |      | 1.2  | 9.5  |      |      |      |      |     | 18                    |  |  |  |  |
| 19                    |      |               |      |               |      | 1.5       |      |      | 19.3 |      |      |      |      |     | 19                    |  |  |  |  |
| 20                    |      | 17.5          |      |               |      | 2.0       | 11.7 | 4.9  | .0   |      | .0   |      |      |     | 20                    |  |  |  |  |
| 21                    |      |               |      |               | 5.3  | 1.7       | 3.0  | 17.6 | 1.3  |      |      |      |      | 1.5 | 21                    |  |  |  |  |
| 22                    |      | 2.4           |      |               | 16.1 | 4.3       | 1.4  | 2.3  |      |      |      |      |      |     | 22                    |  |  |  |  |
| 23                    |      |               |      |               | .0   | 1.5       |      | 1.3  |      |      |      |      |      |     | 23                    |  |  |  |  |
| 24                    | .4   | 5.9           |      |               | 2.5  | .7        |      |      |      |      |      |      |      | .3  | 24                    |  |  |  |  |
| 25                    | .5   | 5.3           |      |               | .0   |           | 1.6  | .3   | 3.6  |      |      |      |      |     | 25                    |  |  |  |  |
| 26                    |      |               |      |               |      |           |      |      |      |      |      |      |      |     | 26                    |  |  |  |  |
| 27                    |      |               |      |               |      | 7.2       | 11.2 |      | 5.0  |      |      |      |      |     | 27                    |  |  |  |  |
| 28                    |      |               |      |               |      | 3.6       |      |      | 7.7  |      |      |      |      | 6.3 | 28                    |  |  |  |  |
| 29                    |      |               |      |               |      | 11.7      |      |      |      |      |      |      |      |     | 29                    |  |  |  |  |
| 30                    |      |               |      |               |      | 2.1       |      | .5   |      |      |      |      |      | 1.2 | 30                    |  |  |  |  |
| 31                    |      |               |      |               |      |           |      | 1.6  | 3.0  |      |      |      |      |     | 31                    |  |  |  |  |
| TOT                   | 25.7 | 32.1          | 16.0 | 47.4          | 34.3 | 53.2      | 55.4 | 94.1 | 32.5 | 10.3 | 0.0  | 14.3 |      |     |                       |  |  |  |  |
|                       |      |               |      |               |      |           |      |      |      |      |      |      |      |     | TOTAL INSUFFL = 411.7 |  |  |  |  |
| OBSERVATEUR = O R E S |      |               |      |               |      |           |      |      |      |      |      |      |      |     |                       |  |  |  |  |
| COY = 112             | 112  | 112           | 112  | 112           | 112  | 112       | 112  | 112  | 112  | 112  | 112  | 112  |      |     |                       |  |  |  |  |
| N J                   | 5    | 5             | 5    | 6             | 12   | 13        | 14   | 14   | 3    | 2    | 0    | 5    |      |     | 34                    |  |  |  |  |

[illegible]







| STATION 53839 |      | KSOUR ECOLE SP  |      |      |      |       |      |            |      | ANNEE 1981/1982 |      |                   |  |
|---------------|------|-----------------|------|------|------|-------|------|------------|------|-----------------|------|-------------------|--|
|               |      | LAT= 39GR.89 CO |      |      |      | LONG= |      | TOP. 25 MO |      | ALT= 720 M      |      |                   |  |
| SEPT          | OCTO | NOVE            | DECE | JANV | FEBV | MARS  | AVRI | MAI        | JUIN | JUIL            | AOUT |                   |  |
| 1             |      |                 |      |      |      |       |      |            |      |                 |      |                   |  |
| 2             | 32.0 |                 |      |      |      |       | 7.5  |            |      |                 |      | 1                 |  |
| 3             | 3.0  |                 |      |      |      |       | 19.0 |            |      |                 |      | 2                 |  |
| 4             |      |                 |      |      |      |       |      |            |      |                 |      | 3                 |  |
| 5             |      |                 |      |      |      |       |      |            |      |                 |      | 4                 |  |
| 6             |      |                 |      |      |      |       |      |            |      |                 |      | 5                 |  |
| 7             |      |                 |      |      |      |       |      |            | 5.0  |                 |      | 6                 |  |
| 8             |      |                 |      |      |      |       | 1.4  |            |      |                 |      | 7                 |  |
| 9             |      |                 |      |      |      |       |      |            |      |                 |      | 8                 |  |
| 10            |      |                 |      |      |      |       |      | 15.0       |      |                 |      | 9                 |  |
| 11            |      |                 |      |      |      |       |      |            |      |                 |      | 10                |  |
| 12            |      |                 |      |      |      |       |      |            |      |                 |      | 11                |  |
| 13            |      |                 |      |      |      |       |      |            |      |                 |      | 12                |  |
| 14            |      |                 |      |      |      |       |      |            |      |                 |      | 13                |  |
| 15            |      |                 |      |      |      |       |      |            |      |                 |      | 14                |  |
| 16            |      |                 |      |      |      |       |      |            |      |                 |      | 15                |  |
| 17            |      |                 |      |      |      |       |      |            |      |                 |      | 16                |  |
| 18            | 22.0 |                 |      |      |      |       | 8.0  |            |      |                 |      | 17                |  |
| 19            |      |                 |      |      |      |       | 10.7 |            |      |                 |      | 18                |  |
| 20            |      |                 |      |      |      |       | 11.0 |            |      |                 |      | 19                |  |
| 21            |      |                 |      |      |      |       | 8.0  |            |      |                 |      | 20                |  |
| 22            |      |                 |      |      |      |       |      |            |      |                 |      | 21                |  |
| 23            |      |                 |      |      |      |       |      |            |      |                 |      | 22                |  |
| 24            |      |                 |      |      |      |       |      |            |      |                 |      | 23                |  |
| 25            |      |                 |      |      |      |       |      |            |      |                 |      | 24                |  |
| 26            |      |                 |      |      |      |       |      |            |      |                 |      | 25                |  |
| 27            |      |                 |      |      |      |       |      |            |      |                 |      | 26                |  |
| 28            |      |                 |      |      |      |       |      |            |      |                 |      | 27                |  |
| 29            |      |                 |      |      |      |       |      |            |      |                 |      | 28                |  |
| 30            |      |                 |      |      |      |       |      |            |      |                 |      | 29                |  |
| 31            |      |                 |      |      |      |       |      |            |      |                 |      | 30                |  |
| TOT           | 57.0 | 25.2            | 10.0 | 11.0 | 27.6 | 11.0  | 30.7 | 29.6       | 35.0 | 5.0             | 19.0 | 4.5               |  |
| CONSERVATION  |      |                 |      |      |      |       |      |            |      |                 |      | TOTAL ANNEE 572.6 |  |







STATION 54103

MARION SH

ANNEE 1981/1982

LAT 39GR.43 19

LONGR

7GR.51 00

ALT 737 M

|    | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |    |
|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
|    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13 |
| 1  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 1  |
| 2  | -    | -    | -    | 6.9  | -    | -    | -    | 16.5 | -    | -    | -    | -    | 2  |
| 3  | 27.5 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 3  |
| 4  | 6.4  | -    | -    | 8.5  | -    | -    | -    | -    | -    | -    | -    | -    | 4  |
| 5  | 2.6  | -    | -    | 5.6  | -    | -    | -    | -    | -    | -    | -    | -    | 5  |
| 6  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 6  |
| 7  | -    | -    | -    | -    | -    | -    | 6.5  | 7.6  | -    | -    | -    | -    | 7  |
| 8  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 8  |
| 9  | -    | -    | -    | -    | -    | -    | -    | -    | 16.1 | -    | -    | -    | 9  |
| 10 | -    | -    | -    | -    | -    | -    | -    | -    | 20.5 | -    | -    | -    | 10 |
| 11 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 11 |
| 12 | -    | -    | 27.1 | -    | -    | -    | -    | -    | -    | -    | -    | -    | 12 |
| 13 | -    | -    | -    | -    | -    | -    | -    | 16.5 | -    | -    | -    | -    | 13 |
| 14 | -    | -    | -    | -    | -    | 3.7  | -    | 6.5  | -    | -    | -    | -    | 14 |
| 15 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 15 |
| 16 | -    | -    | -    | -    | 7.5  | 5.4  | -    | 10.3 | -    | -    | -    | -    | 16 |
| 17 | -    | -    | -    | -    | -    | 4.2  | -    | -    | -    | -    | -    | -    | 17 |
| 18 | -    | -    | -    | -    | 1.7  | 1.7  | -    | -    | 6.7  | -    | -    | -    | 18 |
| 19 | 5.2  | -    | -    | -    | 14.9 | -    | 16.5 | 8.7  | -    | -    | -    | -    | 19 |
| 20 | -    | -    | -    | -    | 6.5  | -    | -    | 20.1 | -    | -    | -    | -    | 20 |
| 21 | -    | 2.5  | -    | -    | 1.8  | -    | 10.1 | -    | -    | -    | -    | -    | 21 |
| 22 | -    | -    | -    | -    | -    | 8.1  | 14.3 | -    | -    | -    | -    | -    | 22 |
| 23 | -    | -    | -    | 16.5 | 1.1  | 2.2  | 5.3  | -    | 3.4  | -    | -    | -    | 23 |
| 24 | -    | 4.1  | -    | -    | -    | 4.1  | -    | -    | -    | -    | -    | -    | 24 |
| 25 | 2.1  | -    | -    | -    | 7.9  | 5.7  | -    | -    | -    | -    | -    | 3.4  | 25 |
| 26 | -    | 21.2 | -    | -    | -    | 2.7  | 1.5  | 9.5  | -    | -    | -    | -    | 26 |
| 27 | -    | -    | -    | -    | 2.1  | 10.2 | 1.1  | 6.0  | -    | -    | -    | -    | 27 |
| 28 | -    | -    | 5.1  | -    | 5.8  | -    | -    | 7.1  | -    | -    | -    | -    | 28 |
| 29 | -    | -    | 13.5 | -    | 6.1  | -    | -    | 8.1  | -    | -    | -    | -    | 29 |
| 30 | -    | -    | 7.2  | -    | 3.4  | -    | -    | -    | -    | -    | -    | -    | 30 |
| 31 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 31 |

TOT 46.8 50.1 47.5 35.5 47.9 68.0 55.7 117.8 68.6 3.0 0.1 3.4

OBSERVATIONS FILE RESASOUI

TOTAL ANNUEL 534.0

|           |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| COU + 212 | 252 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 |    |
| N 2       | 5   | 1   | 4   | 4   | 11  | 10  | 8   | 11  | 5   | 0   | 0   | 1   | 52 |

STATION 54781

MARION SH

ANNEE 1982/1983

LAT 39GR.43 20

LONGR

7GR.51 00

ALT 737 M

|    | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT |    |
|----|------|------|------|------|------|------|------|------|-----|------|------|------|----|
|    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9   | 10   | 11   | 12   | 13 |
| 1  | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 1  |
| 2  | -    | -    | -    | 1.7  | -    | -    | -    | -    | -   | -    | -    | -    | 2  |
| 3  | -    | -    | -    | 22.0 | -    | -    | -    | -    | -   | -    | -    | -    | 3  |
| 4  | -    | -    | -    | 8.5  | -    | -    | -    | -    | -   | -    | -    | -    | 4  |
| 5  | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 5  |
| 6  | -    | -    | -    | -    | -    | -    | 20.7 | -    | -   | -    | -    | -    | 6  |
| 7  | -    | -    | -    | -    | -    | -    | 71.0 | -    | -   | -    | -    | -    | 7  |
| 8  | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 8  |
| 9  | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | 6.0  | 9  |
| 10 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | 17.0 | 10 |
| 11 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 11 |
| 12 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 12 |
| 13 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 13 |
| 14 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 14 |
| 15 | -    | -    | -    | -    | -    | -    | -    | 17.7 | -   | -    | -    | -    | 15 |
| 16 | -    | -    | -    | -    | -    | 27.7 | -    | 7.7  | -   | -    | -    | -    | 16 |
| 17 | -    | -    | -    | -    | -    | 20.0 | -    | -    | -   | -    | -    | -    | 17 |
| 18 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 18 |
| 19 | -    | -    | -    | 41.7 | 22.0 | -    | -    | 12.0 | -   | -    | -    | -    | 19 |
| 20 | -    | -    | -    | -    | -    | -    | -    | 26.7 | -   | -    | -    | -    | 20 |
| 21 | -    | 2.4  | -    | 74.7 | 1.0  | 27.7 | -    | 22.0 | -   | -    | -    | -    | 21 |
| 22 | -    | -    | -    | -    | 47.0 | 71.7 | 24.0 | 7.7  | -   | -    | -    | -    | 22 |
| 23 | -    | -    | -    | -    | 6.7  | 11.7 | 24.0 | -    | -   | -    | -    | -    | 23 |
| 24 | -    | -    | -    | -    | 21.0 | -    | -    | -    | -   | -    | -    | -    | 24 |
| 25 | -    | 14.0 | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 25 |
| 26 | -    | 16.0 | 16.7 | 17.7 | -    | 75.7 | -    | -    | -   | -    | -    | -    | 26 |
| 27 | -    | 7.4  | -    | -    | 20.0 | -    | -    | -    | -   | -    | -    | -    | 27 |
| 28 | -    | -    | -    | -    | 21.0 | -    | -    | -    | -   | -    | -    | -    | 28 |
| 29 | -    | -    | -    | -    | -    | -    | -    | 71.7 | -   | -    | -    | -    | 29 |
| 30 | -    | -    | -    | -    | 27.0 | -    | -    | -    | -   | -    | -    | -    | 30 |
| 31 | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -    | 31 |

TOT 32.0 77.0 176.7 772.0 171.7 170.7 60.0 57.7 3.0 0.3 61.0

OBSERVATIONS FILE

TOTAL ANNUEL 507.0

|           |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| COU + 057 | 172 | 113 | 113 | 113 | 113 | 127 | 113 | 057 | 113 | 113 | 113 | 113 |  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|







STATION 54295

MEDJEL EL BAO D R I

ANNÉE 1981/1982

|                           |      | LAT= 40°48' 70" ON |      | LONG= 8°58' 10" ON |      | ALT= 112 M |      |      |       |      |      |      |                      |
|---------------------------|------|--------------------|------|--------------------|------|------------|------|------|-------|------|------|------|----------------------|
|                           |      | SEPT               | OCT  | NOV                | DIC  | JANV       | FEBV | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT                 |
| 1                         |      |                    |      |                    | 3.5  |            |      |      | 2     | 10   |      |      | 5                    |
| 2                         |      |                    |      |                    |      |            |      |      | 5     | 10   |      |      | 2                    |
| 3                         |      |                    |      |                    | 10   | 10         |      |      | 10    |      |      |      | 3                    |
| 4                         | 1.0  |                    |      |                    | 5.2  |            |      |      |       |      |      |      | 4                    |
| 5                         | 12.1 |                    |      |                    | 3.8  |            |      |      |       |      |      |      | 5                    |
| 6                         |      |                    |      |                    |      |            |      | 10.5 |       |      | 4    |      | 6                    |
| 7                         |      |                    |      |                    | 3.2  |            |      | 16.5 | 5.0   |      |      |      | 7                    |
| 8                         |      |                    |      |                    |      |            |      | 1.2  |       | 3.5  |      |      | 8                    |
| 9                         |      |                    |      |                    |      |            |      | 2.0  |       |      |      |      | 9                    |
| 10                        |      |                    |      |                    |      |            |      |      |       | 31.5 |      |      | 10                   |
| 11                        | 10   |                    |      |                    |      |            |      |      |       | 10   |      |      | 11                   |
| 12                        |      |                    |      |                    |      |            |      |      |       | 7.3  |      |      | 12                   |
| 13                        |      |                    |      |                    |      |            |      |      | 10    |      |      |      | 13                   |
| 14                        |      |                    |      |                    |      |            |      |      | 10    |      |      |      | 14                   |
| 15                        |      |                    |      |                    | 10.5 | 3.4        | 41.5 | 10   |       | 10.5 |      |      | 15                   |
| 16                        |      |                    |      |                    |      | 4          | 13   |      | 3.3   |      |      |      | 16                   |
| 17                        |      |                    |      |                    |      |            | 10   |      | 10    |      |      |      | 17                   |
| 18                        |      |                    |      |                    |      | 24.5       | 4.6  |      | 10    |      |      |      | 18                   |
| 19                        | 21.5 |                    |      |                    | 1.2  | 5.6        |      | 15   | 12.0  | 10   |      |      | 19                   |
| 20                        |      |                    |      |                    | 12.0 | 1.0        |      | 15   | 55.0  |      |      |      | 20                   |
| 21                        |      |                    |      |                    |      | 1.3        |      | 1.3  | 2.7   | 12   |      |      | 21                   |
| 22                        |      | 5.3                |      |                    | 2    | 1.3        | 10.4 | 8.3  | 4.9   |      |      |      | 22                   |
| 23                        |      | 5.7                |      |                    | 4.5  | 1.8        |      | 2.7  |       |      |      |      | 23                   |
| 24                        | 6.0  |                    |      |                    | 1.2  | 1.2        |      | 10   |       |      |      |      | 24                   |
| 25                        | 1.7  | 10.0               |      |                    | 1.5  | 5.0        | 4.2  |      |       |      |      |      | 25                   |
| 26                        | 25.0 | 5.6                |      |                    | 4    | 1.9        | 1.3  | 1.4  | 10    |      |      |      | 26                   |
| 27                        |      | 1.4                | 1.4  |                    | 1.2  | 4.7        | 10.5 |      |       |      | 10   |      | 27                   |
| 28                        |      | 1.0                |      |                    | 1.0  | 1.5        | 4.4  | 10   |       |      |      |      | 28                   |
| 29                        | 1.3  |                    |      |                    |      | 1.0        |      |      | 2.7   |      |      |      | 29                   |
| 30                        |      |                    |      |                    |      | 1.0        |      | 1.3  | 10    |      |      |      | 30                   |
| 31                        |      |                    |      |                    |      |            |      | 12.0 |       |      |      |      | 31                   |
| TOT                       | 74.8 | 20.1               | 13.5 | 39.2               | 95.9 | 34.5       | 36.2 | 95.3 | 50.0  | 5.6  | 0.3  | 0.4  |                      |
| OBSERVATION - HEUT TRAFIC |      |                    |      |                    |      |            |      |      |       |      |      |      | TOTAL ANNUEL = 175.0 |
| CON = 112                 | 112  | 112                | 112  | 112                | 112  | 112        | 112  | 112  | 112   | 112  | 112  | 112  |                      |
| N J                       | 7    | 5                  | 7    | 14                 | 14   | 1          | 12   | 10   | 4     | 1    | 2    | 1    | 11                   |

STATION 54500

MEDJEL EL BAO

ANNÉE 1981/1982

|                           |     | LAT= 40°48' 70" ON |     | LONG= 8°58' 10" ON |     | ALT= 125 M |      |      |       |      |      |      |                      |
|---------------------------|-----|--------------------|-----|--------------------|-----|------------|------|------|-------|------|------|------|----------------------|
|                           |     | SEPT               | OCT | NOV                | DIC | JANV       | FEBV | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT                 |
| 1                         |     |                    |     |                    |     |            |      |      | 1.5   |      |      |      | 1                    |
| 2                         |     |                    |     |                    |     |            |      |      | 1.3   |      |      |      | 2                    |
| 3                         |     |                    |     |                    |     |            |      |      |       |      |      |      | 3                    |
| 4                         |     |                    |     |                    |     |            |      | 1.5  |       |      |      |      | 4                    |
| 5                         |     |                    |     |                    |     |            |      |      |       |      |      |      | 5                    |
| 6                         |     |                    |     |                    |     |            |      | 12.5 | 1.3   |      |      |      | 6                    |
| 7                         |     |                    |     |                    |     |            |      | 10.5 |       |      |      |      | 7                    |
| 8                         |     |                    |     |                    |     |            |      | 1.0  |       | 10.5 |      |      | 8                    |
| 9                         |     |                    |     |                    |     |            |      | 1.5  |       | 11.5 |      |      | 9                    |
| 10                        |     |                    |     |                    |     |            |      |      |       | 1.4  |      |      | 10                   |
| 11                        |     |                    |     |                    |     |            |      |      |       | 10.0 |      |      | 11                   |
| 12                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 12                   |
| 13                        |     |                    |     |                    |     |            |      |      | 1.5   |      |      |      | 13                   |
| 14                        |     |                    |     |                    |     |            |      |      | 7.0   |      |      |      | 14                   |
| 15                        |     |                    |     |                    |     |            |      | 1.5  | 6.5   |      |      |      | 15                   |
| 16                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 16                   |
| 17                        |     |                    |     |                    |     |            |      | 4.0  | 11.0  | 12.0 |      |      | 17                   |
| 18                        |     |                    |     |                    |     |            |      | 1.2  | 11.0  | 11.0 |      |      | 18                   |
| 19                        |     |                    |     |                    |     |            |      |      | 21.0  | 11.0 |      |      | 19                   |
| 20                        |     |                    |     |                    |     |            |      |      | 11.5  |      |      |      | 20                   |
| 21                        |     |                    |     |                    |     |            |      |      | 1.5   |      |      |      | 21                   |
| 22                        |     |                    |     |                    |     |            |      | 2.5  | 1.5   |      |      |      | 22                   |
| 23                        |     |                    |     |                    |     |            |      |      | 1.5   |      |      |      | 23                   |
| 24                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 24                   |
| 25                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 25                   |
| 26                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 26                   |
| 27                        |     |                    |     |                    |     |            |      |      |       |      |      |      | 27                   |
| 28                        |     |                    |     |                    |     |            |      |      | 1.0   |      |      |      | 28                   |
| 29                        |     |                    |     |                    |     |            |      | 2.5  | 1.5   |      |      |      | 29                   |
| 30                        |     |                    |     |                    |     |            |      | 2.0  | 1.5   |      |      |      | 30                   |
| 31                        |     |                    |     |                    |     |            |      | 1.7  |       |      |      |      | 31                   |
| TOT                       |     |                    |     |                    |     |            |      | 11.2 | 11.2  | 11.2 | 0.0  | 0.0  | 0.0                  |
| OBSERVATION - HEUT TRAFIC |     |                    |     |                    |     |            |      |      |       |      |      |      | TOTAL ANNUEL = 111.2 |
| CON = 071                 | 071 | 071                | 071 | 071                | 071 | 071        | 071  | 071  | 071   | 071  | 071  | 071  |                      |
| N J                       | 7   | 5                  | 7   | 14                 | 14  | 1          | 12   | 10   | 4     | 1    | 2    | 1    | 11                   |







STATION 54620

STATION 54620

ANNEX 1981/1982

| LAT= 40GR.70 CO      LONG= 70P.75 90      ALT= 200 M |      |      |      |      |       |      |       |      |      |      |      |                     |
|--|------|------|------|------|-------|------|-------|------|------|------|------|---------------------|
| SEPT   | OCTO | NOVE | DECE | JANV | FEBV  | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT |                     |
| 1  |      |      | 33.0 |      |       |      |       |      |      |      | 1    |                     |
| 2  |      |      |      |      |       |      | 5.0   |      |      |      | 2    |                     |
| 3  |      |      | 3.0  |      |       |      |       |      |      |      | 3    |                     |
| 4  |      |      | 8.5  |      |       |      |       |      |      |      | 4    |                     |
| 5  | 33.0 |      | 3.5  |      |       |      |       |      |      |      | 5    |                     |
| 6  |      |      |      |      |       | 10.7 |       |      |      |      | 6    |                     |
| 7  |      |      |      |      |       | 12.7 |       |      |      |      | 7    |                     |
| 8  |      |      |      |      |       |      |       |      |      |      | 8    |                     |
| 9  |      |      |      |      |       |      |       | 11.0 |      |      | 9    |                     |
| 10   |      |      |      |      |       |      |       | 21.5 |      |      | 10   |                     |
| 11   |      | 2.3  |      |      |       |      |       | 10.5 |      |      | 11   |                     |
| 12   |      |      |      |      |       |      |       |      |      |      | 12   |                     |
| 13   |      |      |      |      |       |      |       |      |      |      | 13   |                     |
| 14   |      |      |      |      |       |      | 2.0   |      |      |      | 14   |                     |
| 15   |      | 3.5  |      |      |       |      | 17.5  |      |      |      | 15   |                     |
| 16   |      |      |      | 12.1 |       |      |       |      |      |      | 16   |                     |
| 17   |      |      |      |      | 15.1  |      |       |      |      |      | 17   |                     |
| 18   |      |      |      |      |       |      |       |      |      |      | 18   |                     |
| 19   |      |      |      | 40.0 |       |      | 13.5  |      |      |      | 19   |                     |
| 20   |      |      | 10.5 |      |       |      | 21.0  |      |      |      | 20   |                     |
| 21   |      | 7.5  |      |      | 7.6   |      | 5.0   |      |      |      | 21   |                     |
| 22   |      |      |      |      | 14.5  | 16.2 | 9.5   |      |      |      | 22   |                     |
| 23   |      | 7.5  | 8.0  | 2.6  |       | 5.0  |       |      |      |      | 23   |                     |
| 24   |      |      |      |      |       |      | 7.4   |      |      |      | 24   |                     |
| 25   |      | 19.4 |      | 6.0  | 3.4   |      |       |      |      |      | 25   |                     |
| 26   | 15.0 |      | 3.5  |      |       |      |       |      |      |      | 26   |                     |
| 27   |      | 1.0  |      |      | 95.4  |      |       |      |      |      | 27   |                     |
| 28   |      |      |      | 7.0  |       |      |       |      |      | 2.3  | 28   |                     |
| 29   |      | 8.1  |      | 9.0  |       | 12.0 |       |      |      |      | 29   |                     |
| 30   |      | 10.5 |      |      |       |      |       |      |      |      | 30   |                     |
| 31   |      |      |      |      |       |      |       |      |      |      | 31   |                     |
| TOT  | 45.0 | 15.4 | 27.8 | 50.0 | 103.7 | 55.1 | 77.2  | 66.9 | 43.0 | 3.0  | 0.3  | 2.3                 |
| OBSERVATEUR= NEFFATI OTHMAN                          |      |      |      |      |       |      |       |      |      |      |      | TOTAL ANNUEL= 526.5 |
| CON = 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112   | 112  | 112  | 112  | 112  |                     |
| N 3  | 2    | 3    | 5    | 7    | 8     | 6    | 5     | 8    | 3    | 0    | 3    | 1 46                |

STATION 44631

STATION 44631

ANNEX 1981/1982

|                                |      | LAT= 40GR.59 75 |      | LONG= 70P.13 47 |      | ALT= 125 M |       |      |      |      |      |
|--------------------------------|------|-----------------|------|-----------------|------|------------|-------|------|------|------|------|
| SEPT                           | OCTO | NOVE            | DECE | JANV            | FEBV | MARS       | AVRIL | MAI  | JUIN | JUIL | AOUT |
| 1                              |      |                 |      |                 |      |            | 10.7  |      |      |      | 1    |
| 2                              |      |                 |      |                 |      |            |       |      |      |      | 2    |
| 3                              |      |                 | 11.5 |                 |      |            |       |      |      |      | 3    |
| 4                              |      |                 | 9.4  |                 |      |            |       |      |      |      | 4    |
| 5                              |      |                 |      |                 |      |            |       |      |      |      | 5    |
| 6                              |      |                 |      |                 |      | 14.6       |       |      |      |      | 6    |
| 7                              |      |                 |      |                 |      |            |       |      |      |      | 7    |
| 8                              |      |                 | 17.4 |                 |      |            |       |      |      |      | 8    |
| 9                              |      |                 | 14.2 |                 |      |            |       | 15.1 |      |      | 9    |
| 10                             |      |                 |      |                 |      |            |       | 13.3 |      |      | 10   |
| 11                             |      |                 |      |                 |      |            |       |      |      |      | 11   |
| 12                             |      |                 |      |                 |      |            |       |      |      |      | 12   |
| 13                             |      |                 |      |                 |      |            |       |      |      |      | 13   |
| 14                             |      |                 |      |                 |      |            | 16.7  |      |      |      | 14   |
| 15                             |      |                 |      |                 |      |            |       |      |      |      | 15   |
| 16                             |      |                 |      | 2.4             |      |            | 5.4   |      |      |      | 16   |
| 17                             |      |                 |      |                 | 20.7 |            |       |      |      |      | 17   |
| 18                             |      |                 |      |                 | 10.7 | 1.6        |       |      |      |      | 18   |
| 19                             |      |                 |      | 7.4             |      |            |       |      |      |      | 19   |
| 20                             |      |                 |      | 1.2             |      |            | 11.4  |      |      |      | 20   |
| 21                             |      |                 |      | 2.6             |      |            | 19.5  |      |      |      | 21   |
| 22                             |      |                 |      |                 | 25.4 |            |       |      |      |      | 22   |
| 23                             |      |                 |      |                 |      |            |       |      |      |      | 23   |
| 24                             |      |                 |      |                 |      |            |       |      |      |      | 24   |
| 25                             |      |                 |      |                 |      |            |       |      |      |      | 25   |
| 26                             |      |                 |      |                 |      |            |       |      |      |      | 26   |
| 27                             |      |                 |      |                 | 15.7 |            | 7.2   |      |      |      | 27   |
| 28                             |      |                 |      | 1.5             | 6.7  |            |       |      |      |      | 28   |
| 29                             |      |                 |      | 2.4             |      |            | 7.2   |      |      |      | 29   |
| 30                             |      |                 |      | 5.6             |      | 3.4        | 12.5  |      |      | 10.0 | 30   |
| 31                             |      |                 |      | 3.4             |      | 11.3       |       |      |      |      | 31   |
| TOT                            | 13.0 | 40.0            | 36.6 | 37.7            | 36.2 | 46.2       | 104.3 | 44.7 | 34.9 | 8.0  | 0.3  |
| OBSERVATEUR= NEFFATI OTHMAN    |      |                 |      |                 |      |            |       |      |      |      |      |
| CON = 057                      | 057  | 112             | 112  | 112             | 112  | 112        | 112   | 112  | 112  | 112  | 112  |
| TOTAL ANNUEL= 523.8            |      |                 |      |                 |      |            |       |      |      |      |      |
| N 3 2 3 5 7 8 6 5 8 3 0 3 1 42 |      |                 |      |                 |      |            |       |      |      |      |      |







417 1000

TOTAL RMS/FL = 0.000000

JUNE 1981/1982

446 7

TOTAL NUMBER 447-3











STATION 55502

SARFET SIBI YOUSSEF SP

ANNEE 1981/1982

|              | LAT= 40GR.25 52 |      |      |      | LONG= 6GR.55 51 |      |      |      | ALT= 803 M |      |      |                     |
|--------------|-----------------|------|------|------|-----------------|------|------|------|------------|------|------|---------------------|
|              | SEPT            | OCTO | NOVE | DECE | JANV            | FEBV | MARS | AVRI | MAI        | JUIN | JUIL | AOUT                |
| 1            |                 |      |      | 4.5  |                 |      |      | 1.7  |            |      |      | 1                   |
| 2            | 11.8            |      |      |      |                 |      |      | 1.5  |            |      |      | 2                   |
| 3            |                 |      |      | 15.6 |                 |      |      |      |            |      |      | 3                   |
| 4            | 1.7             |      |      | 7.2  |                 |      |      |      |            |      |      | 4                   |
| 5            |                 |      |      | 2.5  |                 |      | 3.7  |      |            | 14.0 |      | 5                   |
| 6            |                 |      |      |      |                 |      | 25.9 | 1.5  |            |      |      | 6                   |
| 7            |                 |      |      |      |                 |      |      |      | 9.3        |      |      | 7                   |
| 8            |                 |      |      |      |                 |      |      |      | 29.2       |      |      | 8                   |
| 9            |                 |      |      |      |                 |      |      |      |            |      |      | 9                   |
| 10           |                 |      |      |      |                 |      |      |      |            |      |      | 10                  |
| 11           |                 |      |      |      |                 |      |      |      |            |      |      | 11                  |
| 12           |                 |      |      |      |                 |      |      |      |            |      |      | 12                  |
| 13           |                 |      |      |      |                 |      |      | 6.9  |            |      |      | 13                  |
| 14           |                 |      |      |      |                 | 2.6  |      | 15.0 |            |      |      | 14                  |
| 15           |                 |      |      |      |                 |      |      | 15.4 |            |      |      | 15                  |
| 16           |                 |      |      |      |                 | 22.7 |      |      |            |      |      | 16                  |
| 17           |                 |      |      |      |                 | 6.5  | 2.6  | 4.6  | 3.2        |      |      | 17                  |
| 18           | 53.8            |      |      |      | 17.3            | 2.1  |      | 11.6 |            |      |      | 18                  |
| 19           | 4.5             |      |      |      |                 |      |      | 12.5 |            |      |      | 19                  |
| 20           |                 | 12.3 |      |      | 2.0             | 15.7 | 7.6  |      |            | 3.4  |      | 20                  |
| 21           |                 |      |      |      |                 |      | 18.7 | 5.0  | 2.6        |      |      | 21                  |
| 22           |                 |      |      | 10.0 | 5.7             | 1.2  | 9.3  |      |            |      |      | 22                  |
| 23           |                 | 2.5  |      | 15.4 |                 |      | 5.8  |      |            |      |      | 23                  |
| 24           |                 |      |      |      | 4.5             | 6.1  |      |      |            |      |      | 24                  |
| 25           | 2.7             | 12.5 |      |      |                 |      |      | 3.3  |            |      |      | 25                  |
| 26           |                 |      | 4.3  |      |                 | 4.4  |      |      |            |      |      | 26                  |
| 27           |                 |      |      |      | 5.5             | 20.7 |      |      |            |      |      | 27                  |
| 28           |                 |      | 5.6  |      | 13.2            |      |      | 22.3 |            |      |      | 28                  |
| 29           |                 |      | 9.3  |      |                 |      |      |      |            |      |      | 29                  |
| 30           |                 |      |      |      |                 |      | 13.5 |      |            |      |      | 30                  |
| 31           |                 |      |      |      |                 |      |      |      |            |      |      | 31                  |
| TOT          | 74.5            | 15.8 | 17.4 | 55.5 | 42.7            | 43.4 | 37.1 | 77.6 | 49.5       | 17.4 | 0.3  | 9.2                 |
| OBSERVATEUR= |                 |      |      |      |                 |      |      |      |            |      |      | TOTAL ANNUEL= 555.4 |
| CM =         | 112             | 112  | 112  | 112  | 112             | 112  | 112  | 112  | 112        | 112  | 112  | 112                 |
| N J          | 5               | 3    | 3    | 6    | 6               | 5    | 8    | 12   | 4          | 2    | 3    | 1 57                |

STATION 55625

SARFAT PT ROUTE

ANNEE 1981/1982

|              | LAT= 39GR.41 20 |      |      |      | LONG= 6GR.78 15 |      |      |      | ALT= 550 M |      |      |                     |
|--------------|-----------------|------|------|------|-----------------|------|------|------|------------|------|------|---------------------|
|              | SEPT            | OCTO | NOVE | DECE | JANV            | FEBV | MARS | AVRI | MAI        | JUIN | JUIL | AOUT                |
| 1            | 5.1             |      |      |      |                 |      |      |      |            |      |      | 1                   |
| 2            | 13.4            |      |      |      |                 |      |      | 11.7 |            |      |      | 2                   |
| 3            |                 |      |      | 4.0  |                 |      |      |      |            |      |      | 3                   |
| 4            | 4.1             |      |      | 1.1  |                 |      |      |      |            |      |      | 4                   |
| 5            | 1.4             |      |      |      |                 |      |      |      |            |      |      | 5                   |
| 6            |                 |      |      |      |                 |      | 6.0  | 7.0  |            |      |      | 6                   |
| 7            |                 |      |      |      |                 |      |      |      |            |      |      | 7                   |
| 8            |                 |      |      |      |                 |      |      |      | 7.5        |      |      | 8                   |
| 9            |                 |      |      |      |                 |      |      |      | 5.7        |      |      | 9                   |
| 10           |                 |      |      |      |                 |      |      |      |            |      |      | 10                  |
| 11           |                 |      |      |      |                 |      |      |      |            |      |      | 11                  |
| 12           |                 |      |      |      |                 |      |      |      |            |      |      | 12                  |
| 13           |                 |      |      |      |                 | 9.0  |      |      |            |      |      | 13                  |
| 14           |                 |      |      |      |                 |      |      | 6.2  |            |      |      | 14                  |
| 15           |                 |      |      |      |                 |      |      | 3.3  |            |      |      | 15                  |
| 16           |                 |      |      |      |                 | 15.5 |      |      |            |      |      | 16                  |
| 17           |                 |      |      |      |                 | 2.2  |      | 2.0  |            |      |      | 17                  |
| 18           | 2.1             |      |      |      | 8.3             |      | 6.2  | 5.5  | 1.5        |      |      | 18                  |
| 19           |                 |      |      |      | 1.2             |      |      | 5.2  |            |      |      | 19                  |
| 20           |                 |      |      |      | 4.0             |      |      |      |            |      |      | 20                  |
| 21           |                 |      |      |      |                 | 6.5  | 8.6  |      | 5.0        |      |      | 21                  |
| 22           |                 |      |      | 14.7 | 5.0             | 2.5  | 3.1  |      | 10.0       |      |      | 22                  |
| 23           |                 |      |      |      |                 |      |      |      |            |      |      | 23                  |
| 24           |                 |      |      |      |                 |      |      |      |            |      |      | 24                  |
| 25           | 1.6             | 13.5 |      |      |                 |      |      | 3.1  |            |      |      | 25                  |
| 26           |                 |      |      |      |                 | 5.5  |      |      |            |      |      | 26                  |
| 27           |                 |      |      |      | 1.2             |      |      |      |            |      |      | 27                  |
| 28           |                 |      | 5.0  |      | 5.5             |      |      | 15.0 |            |      |      | 28                  |
| 29           |                 |      | 2.5  |      | 1.9             |      |      |      |            |      |      | 29                  |
| 30           |                 |      |      |      |                 |      |      | 1.6  |            |      |      | 30                  |
| 31           |                 |      |      |      |                 |      |      |      |            |      |      | 31                  |
| TOT          | 27.3            | 13.7 | 7.5  | 19.5 | 25.1            | 39.6 | 25.9 | 65.8 | 17.3       | 0.0  | 0.3  | 4.6                 |
| OBSERVATEUR= |                 |      |      |      |                 |      |      |      |            |      |      | TOTAL ANNUEL= 259.2 |
| CM =         | 112             | 112  | 112  | 112  | 112             | 112  | 112  | 112  | 112        | 112  | 112  | 112                 |
| N J          | 6               | 2    | 4    | 3    | 7               | 6    | 4    | 10   | 5          | 0    | 1    | 1 46                |



[illegible][illegible]



STATION 556A8

SEMS RELEGATICA

ANNEE 1981/1982

|              |      | LAT= 40GR-01 CO |      | LONG= 76N-42 92 |      | ALT= 503 M |      |      |      |      |      |               |       |
|--------------|------|-----------------|------|-----------------|------|------------|------|------|------|------|------|---------------|-------|
| SEPT         | OCTO | NOVE            | DECE | JANV            | FEBR | MARS       | AVRI | MAI  | JUIN | JUIL | AOUT |               |       |
| 1            |      |                 |      |                 |      |            | 18.0 |      |      |      |      | 1             |       |
| 2            | 7.0  |                 |      |                 |      |            |      |      |      |      |      | 2             |       |
| 3            | 9.0  |                 |      |                 |      |            |      |      |      |      |      | 3             |       |
| 4            |      |                 |      |                 |      |            |      |      |      |      |      | 4             |       |
| 5            |      |                 |      |                 |      |            |      |      |      |      |      | 5             |       |
| 6            |      |                 |      |                 |      | 1.0        | 2.0  |      |      |      |      | 6             |       |
| 7            |      |                 |      |                 |      | 3.5        |      |      |      |      |      | 7             |       |
| 8            |      |                 |      |                 |      |            |      | 16.0 |      |      |      | 8             |       |
| 9            |      |                 |      |                 |      |            |      | 12.0 |      |      |      | 9             |       |
| 10           |      |                 |      |                 |      |            |      |      |      |      | 2.3  | 10            |       |
| 11           |      |                 |      |                 |      |            |      | 3.0  |      |      |      | 11            |       |
| 12           |      |                 |      |                 |      |            |      |      |      |      |      | 12            |       |
| 13           |      |                 |      |                 | 3.5  |            |      |      |      |      |      | 13            |       |
| 14           |      |                 |      |                 |      |            | 11.0 |      |      |      |      | 14            |       |
| 15           |      |                 |      |                 |      |            | 5.5  |      |      |      |      | 15            |       |
| 16           |      |                 |      |                 | 10.0 |            |      |      |      |      |      | 16            |       |
| 17           |      |                 |      |                 | 9.0  | 2.0        |      | 4.0  |      |      |      | 17            |       |
| 18           |      |                 |      | 7.5             |      | 5.5        | 21.0 | 4.0  |      |      |      | 18            |       |
| 19           | 15.0 |                 |      | 3.0             |      |            | 6.0  |      |      |      |      | 19            |       |
| 20           |      | 11.2            |      | 2.0             | 13.0 |            |      |      |      |      |      | 20            |       |
| 21           |      | 23.0            |      |                 |      |            |      |      |      |      |      | 21            |       |
| 22           |      |                 | 21.0 |                 |      | 37.5       |      | 4.0  |      |      |      | 22            |       |
| 23           |      |                 |      |                 |      | 5.5        |      |      |      |      |      | 23            |       |
| 24           |      |                 |      |                 |      |            |      |      |      |      |      | 24            |       |
| 25           |      |                 |      |                 |      |            | 4.0  |      |      |      |      | 25            |       |
| 26           |      |                 | 3.0  | 9.0             | 3.0  |            |      |      |      |      | 7.3  | 26            |       |
| 27           |      |                 |      | 3.0             | 7.0  |            | 1.5  |      |      |      |      | 27            |       |
| 28           |      |                 |      | 3.5             |      |            | 7.5  |      |      |      |      | 28            |       |
| 29           |      |                 | 11.5 | 1.0             |      |            |      |      |      |      |      | 29            |       |
| 30           |      |                 | 4.0  |                 |      |            |      |      |      |      | 43.3 | 30            |       |
| 31           |      |                 |      |                 |      |            |      |      |      |      |      | 31            |       |
| TOT          | 31.0 | 34.2            | 13.5 | 35.5            | 27.0 | 45.5       | 69.0 | 74.5 | 43.0 | 0.0  | 0.3  | 52.3          |       |
| OBSERVATION= |      |                 |      |                 |      |            |      |      |      |      |      | TOTAL ANNUEL= | 401.0 |
| COI = 112    | 112  | 112             | 112  | 112             | 112  | 112        | 112  | 112  | 112  | 112  | 112  |               |       |
| N J          | 3    | 2               | 3    | 3               | 7    | 6          | 6    | 7    | 6    | 0    | 3    | 5             | 53    |

STATION 56250

SEMS MUD ROUIS SW

ANNEE 1981/1982

|              |      | LAT= 40GR-19 CO |      | LONG= 76N-55 54 |      | ALT= 412 M |      |      |      |      |      |               |       |
|--------------|------|-----------------|------|-----------------|------|------------|------|------|------|------|------|---------------|-------|
| SEPT         | OCTO | NOVE            | DECE | JANV            | FEBR | MARS       | AVRI | MAI  | JUIN | JUIL | AOUT |               |       |
| 1            |      |                 | 2.8  |                 |      |            | 6.1  |      |      |      |      | 1             |       |
| 2            | 2.0  |                 |      |                 |      |            | 5.9  |      |      |      |      | 2             |       |
| 3            |      |                 | 3.0  |                 |      |            | 1.0  |      |      |      |      | 3             |       |
| 4            | 14.0 |                 | 5.2  |                 |      |            |      |      |      |      |      | 4             |       |
| 5            |      |                 | 8.0  |                 |      |            |      |      |      |      |      | 5             |       |
| 6            |      |                 |      |                 |      | 76.5       |      |      |      |      |      | 6             |       |
| 7            |      |                 |      |                 |      | 2.5        |      |      |      |      |      | 7             |       |
| 8            |      |                 |      |                 |      | 5          |      |      |      |      |      | 8             |       |
| 9            |      |                 |      |                 |      |            |      | 14.0 |      |      |      | 9             |       |
| 10           |      |                 |      |                 |      |            |      | 11.2 |      |      |      | 10            |       |
| 11           |      | 2.2             |      |                 |      |            |      |      |      |      |      | 11            |       |
| 12           |      |                 |      |                 |      |            |      |      |      |      |      | 12            |       |
| 13           |      |                 |      |                 |      |            |      |      |      |      |      | 13            |       |
| 14           |      |                 |      |                 | 3.1  |            | 4.0  |      |      |      |      | 14            |       |
| 15           |      |                 |      |                 |      |            | 6.5  |      |      |      |      | 15            |       |
| 16           |      |                 |      | 3.1             |      |            | 5.7  |      |      |      |      | 16            |       |
| 17           |      |                 |      |                 | 21.6 |            | 1.5  | 1.2  |      |      |      | 17            |       |
| 18           |      |                 |      |                 |      | 8          | 9.6  | 6.5  |      |      |      | 18            |       |
| 19           | 1.0  |                 |      | 6.4             |      | 7.6        | 26.2 |      |      |      |      | 19            |       |
| 20           |      |                 |      | 6.3             | 7.5  |            | 5.5  |      | 3    |      |      | 20            |       |
| 21           |      | 6.4             |      | 7.0             | 4.7  | 76.0       | 1.2  | 2.0  |      |      |      | 21            |       |
| 22           |      |                 | 13.0 |                 | 6.7  | 17.6       |      | 3.6  |      |      | 1.7  | 22            |       |
| 23           |      | 2.3             |      | 1.4             |      | 6.5        |      |      |      |      |      | 23            |       |
| 24           |      |                 |      |                 |      |            |      |      |      |      |      | 24            |       |
| 25           |      | 12.2            |      |                 |      |            | 4.2  |      |      |      |      | 25            |       |
| 26           |      |                 |      | 1.2             | 4.3  |            |      |      |      |      |      | 26            |       |
| 27           |      |                 | 1.2  |                 | 6.0  |            |      |      |      |      |      | 27            |       |
| 28           |      |                 |      | 8.7             |      |            | 9.5  |      |      |      |      | 28            |       |
| 29           |      |                 | 8.3  | 3.7             |      |            | 1.3  |      |      |      |      | 29            |       |
| 30           |      | 11.3            |      |                 |      |            |      |      |      |      |      | 30            |       |
| 31           |      |                 |      |                 |      | 2.7        |      |      |      |      | 3.7  | 31            |       |
| TOT          | 15.6 | 21.7            | 22.7 | 34.8            | 33.4 | 40.2       | 72.3 | 39.0 | 33.5 | 0.3  | 0.3  | 4.3           |       |
| OBSERVATION= |      |                 |      |                 |      |            |      |      |      |      |      | TOTAL ANNUEL= | 393.3 |



| STATION 56730 |      | SITE CANADA      |      |      |       |      |                   |       | ANNEE 1981/1982 |      |      |                |       |
|---------------|------|------------------|------|------|-------|------|-------------------|-------|-----------------|------|------|----------------|-------|
|               |      | LAT. 39° 19' 20" |      |      |       |      | LONG. 80° 13' 40" |       | ALT. 690 M      |      |      |                |       |
|               | SEPT | OCTO             | NOV  | DECE | JANV  | FEBV | MARS              | AVRIL | MAI             | JUIN | JUIL | AOÛT           |       |
| 1             | .    | .                | .    | .    | .     | .    | .                 | 16.5  | 2.3             | .    | .    | .              |       |
| 2             | .    | .                | .    | 3.1  | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 3             | .    | .                | .    | 8.5  | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 4             | 75.4 | .                | .    | 6.7  | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 5             | .    | .                | .    | .    | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 6             | .    | .                | .    | .    | .     | 2.3  | .                 | .     | .               | .    | .    | .              |       |
| 7             | .    | .                | .    | .    | .     | .    | 1.3               | .     | .               | .    | .    | .              |       |
| 8             | .    | .                | .    | .    | .     | .    | .                 | .     | 16.4            | .    | .    | .              |       |
| 9             | .    | .                | .    | .    | .     | .    | .                 | .     | 5.7             | .    | .    | .              |       |
| 10            | .    | .                | .    | .    | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 11            | .    | .                | .    | .    | .     | .    | 18.2              | .     | 4.1             | .    | .    | .              |       |
| 12            | .    | .                | .    | .    | .     | .    | .                 | .     | 2.3             | 8.2  | .    | .              |       |
| 13            | .    | .                | .    | .    | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| 14            | .    | .                | .    | .    | .     | 1.4  | .                 | 11.0  | .               | .    | .    | .              |       |
| 15            | .    | .                | .    | .    | 37.2  | .    | .                 | 5.2   | .               | .    | .    | .              |       |
| 16            | .    | .                | .    | .    | .     | .    | .                 | 4.6   | .               | .    | .    | .              |       |
| 17            | .    | .                | .    | .    | .     | 7.2  | .                 | 7.1   | .               | .    | .    | .              |       |
| 18            | 19.8 | .                | .    | .    | 50.2  | .    | 15.1              | 5.2   | .               | .    | .    | .              |       |
| 19            | .    | .                | .    | .    | 12.4  | .    | 9                 | 8.4   | .               | .    | .    | .              |       |
| 20            | .    | .                | .    | .    | 2.3   | 3.7  | 1.4               | 12.5  | .               | .    | .    | .              |       |
| 21            | .    | .                | .    | .    | 4     | 10.1 | 18.6              | .     | 13.2            | 2.3  | .    | .              |       |
| 22            | .    | .                | .    | 15.1 | 2     | 4.8  | 6.5               | .     | 2.1             | 3.4  | .    | .              |       |
| 23            | .    | .                | .    | 2.0  | .     | 2.7  | 2.4               | .     | .               | .    | .    | .              |       |
| 24            | 5.7  | 4.2              | .    | .    | .     | 3.1  | .                 | .     | .               | .    | .    | .              |       |
| 25            | .    | 15.0             | .    | .    | .     | 2.4  | 6.6               | 8.5   | .               | .    | .    | .              |       |
| 26            | .    | .                | 4.1  | .    | 3.1   | 7.1  | 2.1               | .     | .               | .    | .    | .              |       |
| 27            | .    | .                | .    | .    | .     | 3.6  | 9                 | 2.0   | .               | .    | .    | .              |       |
| 28            | .    | .                | 2.4  | .    | .     | .    | .                 | 12.4  | .               | .    | .    | .              |       |
| 29            | .    | .                | 5.1  | .    | 6.2   | .    | .                 | .     | .               | .    | .    | .              |       |
| 30            | .    | .                | 3.4  | .    | .     | .    | .                 | 7.1   | .               | .    | .    | .              |       |
| 31            | .    | .                | .    | .    | .     | .    | .                 | .     | .               | .    | .    | .              |       |
| TOT           | 53.1 | 21.2             | 15.0 | 35.4 | 112.0 | 48.8 | 75.6              | 100.6 | 49.6            | 15.9 | 0.0  | 0.0            |       |
| OBSERVATEUR = |      |                  |      |      |       |      |                   |       |                 |      |      | TOTAL ANNUEL = | 529.2 |
| CON           | 112  | 112              | 112  | 112  | 112   | 112  | 112               | 112   | 112             | 112  | 112  | 112            |       |
| 1             | 3    | 2                | 4    | 5    | 8     | 11   | 11                | 12    | 7               | 3    | 0    | 0              |       |

[illegible]











| STATION 56804              |      | SAMBA MOD SALEM  |      |      |       |      |            |      | ANNEE 1981/1982 |               |      |       |
|----------------------------|------|------------------|------|------|-------|------|------------|------|-----------------|---------------|------|-------|
|                            |      | LATN 40GR. 73 70 |      |      | LONGE |      | TGR. 12 80 |      | ALT. 195 7      |               |      |       |
| SEPT                       | OCTO | NOVE             | DECE | JANV | FEBV  | MARS | AVRIL      | MAI  | JUIN            | JUIL          | AOUT |       |
| 1                          |      |                  |      |      |       |      | 9.5        |      |                 |               |      |       |
| 2                          | 15.0 |                  | 11.0 |      |       |      |            |      |                 |               |      |       |
| 3                          |      |                  | 5.0  |      |       |      |            |      |                 |               |      |       |
| 4                          |      |                  | 8.0  |      |       |      |            |      |                 |               |      |       |
| 5                          |      |                  | 10.0 |      |       |      |            |      |                 |               |      |       |
| 6                          |      |                  | 5.0  |      |       | 18.0 |            |      |                 |               |      |       |
| 7                          |      |                  |      |      |       | 31.0 |            |      |                 |               |      |       |
| 8                          |      |                  |      |      |       |      |            | 10.0 |                 |               | 7.0  |       |
| 9                          |      |                  |      |      |       |      |            | 22.0 |                 |               | 3.0  |       |
| 10                         |      | 6.0              |      |      |       |      |            | 3.0  |                 |               |      |       |
| 11                         |      |                  |      |      |       |      |            |      |                 |               |      |       |
| 12                         |      |                  |      |      |       |      |            |      |                 |               |      |       |
| 13                         |      |                  |      |      |       |      | 3.5        |      |                 |               |      |       |
| 14                         |      |                  | 1.0  |      |       |      | 17.7       |      |                 |               |      |       |
| 15                         |      |                  |      |      |       |      | 7.3        |      |                 |               |      |       |
| 16                         |      |                  |      | 4.5  | 16.0  |      |            |      |                 |               |      |       |
| 17                         |      |                  |      |      |       |      |            |      |                 |               |      |       |
| 18                         |      |                  |      | 24.0 | 20.0  |      | 13.0       |      |                 |               |      |       |
| 19                         |      |                  |      | 2.0  |       |      | 26.0       |      |                 |               |      |       |
| 20                         | 4.0  |                  | 16.0 |      | 5.0   |      | 5.0        |      |                 |               |      |       |
| 21                         |      |                  | 7.0  |      | 10.0  | 10.0 |            |      |                 |               |      |       |
| 22                         |      | 7.0              | 19.0 | 3.0  |       | 20.0 |            |      |                 |               |      |       |
| 23                         |      |                  |      | 2.0  | 3.0   | 4.4  |            |      |                 |               |      |       |
| 24                         |      |                  |      | 6.0  |       |      |            |      |                 |               |      |       |
| 25                         | 14.0 | 12.0             | 5.0  |      |       |      |            |      |                 |               |      |       |
| 26                         |      |                  |      |      | 12.5  |      |            |      |                 |               |      |       |
| 27                         |      |                  | 3.0  |      | 5.0   |      |            |      |                 |               |      |       |
| 28                         |      |                  | 11.5 |      | 5.0   |      |            |      |                 |               |      |       |
| 29                         |      |                  | 14.0 |      | 7.0   |      |            |      |                 |               |      |       |
| 30                         |      |                  |      |      | 2.0   |      |            |      |                 |               |      |       |
| 31                         |      |                  |      |      |       | 5.0  |            |      |                 |               |      |       |
| TOT                        | 19.0 | 23.0             | 32.5 | 84.0 | 46.5  | 76.5 | 91.4       | 92.0 | 35.0            | 0.0           | 0.0  |       |
| OBSERVATEUR= JEMAI PEARREK |      |                  |      |      |       |      |            |      |                 | TOTAL ANNUEL= |      | 515.4 |
| COM                        | 112  | 112              | 112  | 112  | 112   | 112  | 112        | 112  | 112             | 112           | 112  |       |
| M J                        | 2    | 3                | 6    | 10   | 10    | 6    | 6          | 7    | 5               | 7             | 2    |       |

[illegible]



| STATION 56958             |      | SK EL ARBAJENJOMAYSE |      |      |                 |      |      |            | ANNEE 1981/1982 |      |                     |  |
|---------------------------|------|----------------------|------|------|-----------------|------|------|------------|-----------------|------|---------------------|--|
|                           |      | LAT= 40GR.55 ES      |      |      | LONG= 7GR.16 SE |      |      | ALTA 143 M |                 |      |                     |  |
| SEPT                      | OCTO | NOV                  | DECE | JANV | FEBV            | MARS | AVRT | MAI        | JUIN            | JUL  | MOY                 |  |
| 1                         | -    | -                    | 2    | -    | -               | -    | 2.6  | -          | -               | -    | 1                   |  |
| 2                         | -    | -                    | -    | -    | -               | -    | 1.5  | -          | -               | -    | 2                   |  |
| 3                         | -    | -                    | -    | 13.4 | -               | -    | -    | -          | -               | -    | 3                   |  |
| 4                         | -    | -                    | -    | 3.1  | -               | -    | -    | -          | -               | -    | 4                   |  |
| 5                         | -    | -                    | -    | 1.5  | -               | -    | 7.9  | 4.5        | 2               | -    | 5                   |  |
| 6                         | -    | -                    | -    | -    | -               | 9.2  | 3.2  | -          | -               | -    | 6                   |  |
| 7                         | -    | -                    | -    | -    | -               | 9.5  | -    | -          | -               | -    | 7                   |  |
| 8                         | -    | -                    | -    | -    | -               | 10   | -    | 7.5        | -               | -    | 8                   |  |
| 9                         | -    | -                    | 3    | 2    | -               | -    | -    | 24.9       | -               | -    | 9                   |  |
| 10                        | -    | -                    | 4.2  | -    | -               | -    | -    | -          | -               | -    | 10                  |  |
| 11                        | -    | -                    | -    | 4    | -               | -    | -    | 1.5        | -               | -    | 11                  |  |
| 12                        | -    | -                    | -    | -    | -               | -    | -    | -          | -               | -    | 12                  |  |
| 13                        | 10   | -                    | -    | -    | -               | -    | 6.5  | -          | -               | -    | 13                  |  |
| 14                        | -    | -                    | 1.0  | -    | -               | 4.2  | 16.8 | -          | -               | 4    | 14                  |  |
| 15                        | -    | -                    | -    | 1.5  | -               | -    | 7.0  | -          | -               | -    | 15                  |  |
| 16                        | -    | -                    | -    | -    | -               | 8.7  | -    | -          | -               | -    | 16                  |  |
| 17                        | -    | -                    | -    | -    | 12.5            | -    | -    | 7.9        | -               | -    | 17                  |  |
| 18                        | -    | -                    | -    | 15.8 | -               | 2.1  | 23.2 | 5.2        | -               | -    | 18                  |  |
| 19                        | -    | -                    | 2.8  | 8    | -               | 1.3  | -    | 20.3       | -               | -    | 19                  |  |
| 20                        | 16   | -                    | -    | 10.5 | -               | 10.0 | -    | -          | -               | -    | 20                  |  |
| 21                        | -    | -                    | 13.5 | 8    | 4.1             | 14.1 | 2.2  | -          | -               | -    | 21                  |  |
| 22                        | -    | -                    | 15.7 | 2.1  | 1.6             | 7.1  | -    | -          | -               | -    | 22                  |  |
| 23                        | -    | -                    | 10   | 10   | 2.1             | -    | -    | -          | -               | -    | 23                  |  |
| 24                        | 2.1  | 1.2                  | 1.2  | 1.8  | 4.5             | -    | -    | -          | -               | -    | 24                  |  |
| 25                        | 6.6  | 10.4                 | -    | 1.3  | 1.3             | -    | -    | -          | -               | -    | 25                  |  |
| 26                        | -    | 1.2                  | 4.3  | 4    | 9.1             | -    | -    | -          | -               | -    | 26                  |  |
| 27                        | -    | -                    | -    | 10.0 | -               | -    | 5.0  | -          | -               | -    | 27                  |  |
| 28                        | -    | -                    | 8.4  | -    | 4.1             | -    | 7.0  | -          | -               | -    | 28                  |  |
| 29                        | -    | -                    | 12.8 | -    | 5               | 2.1  | -    | -          | -               | -    | 29                  |  |
| 30                        | -    | -                    | 2.5  | -    | -               | 4.6  | -    | -          | -               | -    | 30                  |  |
| 31                        | -    | -                    | -    | -    | -               | 9.8  | -    | -          | -               | -    | 31                  |  |
| TOT                       | 9.7  | 14.9                 | 33.7 | 54.5 | 51.7            | 46.1 | 77.5 | 75.3       | 74.6            | 56.2 | 66.4                |  |
| OBSERVATEUR= TAHAR ZEGANE |      |                      |      |      |                 |      |      |            |                 |      | TOTAL ANNUEL= 437.6 |  |
| CIN + 102                 | 112  | 112                  | 112  | 112  | 112             | 112  | 112  | 112        | 112             | 112  | 112                 |  |
| N 2                       | 3    | 3                    | 7    | 11   | 11              | 5    | 11   | 10         | 7               | 1    | 1                   |  |

| STATION 36990      |      | SA. EL ARBA (JERABOUA) SP |      |      |      |                  |      |      |      | ANNEE 1981/1982 |      |      |  |
|--------------------|------|---------------------------|------|------|------|------------------|------|------|------|-----------------|------|------|--|
|                    |      | LAT= 40SR 56 EO           |      |      |      | LONG= 76PR 16 NO |      |      |      | ALT= 143 M      |      |      |  |
|                    | SEPT | OCTO                      | NOVE | DECE | JANV | FEBV             | MARS | APRI | MAI  | JUIN            | JUIL | AOUT |  |
| 1                  |      |                           |      | 4.1  |      |                  |      | 2.9  |      | 1               |      |      |  |
| 2                  | 1.1  |                           |      | 35.0 |      |                  |      | 1.4  |      |                 |      |      |  |
| 3                  |      |                           |      | 4.7  |      |                  |      |      |      |                 |      |      |  |
| 4                  | 2.0  |                           |      | 3.7  |      |                  |      |      |      |                 |      |      |  |
| 5                  |      |                           |      |      |      |                  | 7.1  |      | 6.5  | 2               |      |      |  |
| 6                  |      |                           |      |      |      |                  |      |      |      |                 |      |      |  |
| 7                  |      |                           |      |      |      |                  | 18.6 | 1.0  |      |                 |      |      |  |
| 8                  |      |                           |      |      |      |                  | 2.9  |      |      |                 |      |      |  |
| 9                  |      |                           |      | 5    |      |                  | 2.1  |      | 7.6  |                 |      |      |  |
| 10                 |      |                           | 3.6  |      |      |                  |      |      | 25.0 |                 |      | 1.0  |  |
| 11                 |      |                           |      |      |      |                  |      |      |      |                 |      | 2.5  |  |
| 12                 |      |                           |      |      |      |                  |      |      | 1.5  |                 |      |      |  |
| 13                 |      |                           |      |      |      |                  |      |      |      |                 |      |      |  |
| 14                 |      |                           |      |      |      | 2                |      | 2.3  |      |                 |      |      |  |
| 15                 |      |                           |      |      | 1.2  | 10.4             |      | 11.3 |      |                 | 5    |      |  |
| 16                 |      |                           |      |      |      |                  |      | 8.8  |      |                 |      |      |  |
| 17                 |      |                           |      |      |      | 4.4              |      |      |      |                 |      |      |  |
| 18                 | 1    |                           |      |      |      | 20.6             | 3.4  | 1.2  | 7.9  |                 |      |      |  |
| 19                 |      |                           |      | 3.4  | 2.0  | 1                | 1.4  | 15.2 | 5.2  |                 |      |      |  |
| 20                 | 2.5  |                           |      | 1    | 2    | 2.5              | 4.5  | 25.1 | 20.3 |                 |      |      |  |
| 21                 |      | 1                         |      | 7.1  | 2    | 3.5              | 18.4 |      |      |                 |      | 2    |  |
| 22                 |      | 3.3                       |      | 19.4 | 1.4  | 1.1              | 7.5  |      |      |                 |      |      |  |
| 23                 |      | 2                         |      |      | 1.3  |                  | 2    |      |      |                 |      |      |  |
| 24                 | 2.8  | 4.5                       |      | 2.0  | 1.7  | 4.2              | 1    |      |      |                 |      | 2.3  |  |
| 25                 | 1.4  | 5.6                       |      | 4    | 2.0  |                  | 2    | 1    |      |                 |      |      |  |
| 26                 |      | 4                         | 4.0  |      | 2.7  | 8.4              |      |      |      |                 |      |      |  |
| 27                 |      |                           |      |      | 7.2  |                  |      | 5.6  |      |                 |      |      |  |
| 28                 |      |                           | 12.4 |      | 6.6  |                  |      | 7.4  |      |                 |      |      |  |
| 29                 |      |                           | 5.3  |      | 1.8  |                  | 1.6  |      |      |                 |      |      |  |
| 30                 |      |                           | 1.5  |      | 1.6  |                  | 4.0  | 2    |      |                 |      | 1.4  |  |
| 31                 |      |                           |      |      |      |                  | 9.2  |      |      |                 |      |      |  |
| TOT                | 9.9  | 17.5                      | 27.7 | 55.7 | 43.0 | 55.6             | 78.3 | 85.3 | 74.7 | 0.3             | 0.5  | 4.2  |  |
| OBSERVATION= PETIO |      |                           |      |      |      |                  |      |      |      |                 |      |      |  |
| TOTAL ANNEE= 455.2 |      |                           |      |      |      |                  |      |      |      |                 |      |      |  |







STATION 57030

SLUR ESSENT

ANNEE 1961/1962

| LAT= 46GR.56 CO LDRG= 7GR.29 DO ALT= 145 M |      |      |      |      |      |      |       |      |      |      |      |
|--|------|------|------|------|------|------|-------|------|------|------|------|
| SEPT                                       | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI  | MAI  | JUIN | JUIL | AOUT |
| 1  |      |      |      |      |      |      | 0.5   |      |      |      | 1    |
| 2  |      |      |      |      |      |      |       |      |      |      | 2    |
| 3  |      |      |      |      |      |      | 2.5   |      |      |      | 3    |
| 4  |      |      |      |      |      |      |       |      |      |      | 4    |
| 5  |      |      |      |      |      | 14.0 |       |      |      |      | 5    |
| 6  |      |      |      |      |      | 26.0 |       |      |      |      | 6    |
| 7  |      |      |      |      |      |      |       |      |      |      | 7    |
| 8  |      |      |      |      |      |      |       | 13.0 |      |      | 8    |
| 9  |      |      |      |      |      |      |       | 22.0 |      |      | 9    |
| 10   |      |      |      |      |      |      |       |      |      |      | 10   |
| 11   |      |      |      |      |      |      |       |      |      |      | 11   |
| 12   |      |      |      |      |      |      |       | 1.5  |      |      | 12   |
| 13   |      |      |      |      |      |      |       |      |      |      | 13   |
| 14   |      |      |      |      |      |      | 16.0  |      |      |      | 14   |
| 15   |      |      |      |      |      |      | 4.5   |      |      |      | 15   |
| 16   |      |      |      |      | 25.0 |      | 15.0  |      |      |      | 16   |
| 17   |      |      |      |      |      | 3.0  | 2.0   |      |      |      | 17   |
| 18   |      |      |      |      | 1.0  | 3.0  | 13.0  |      |      |      | 18   |
| 19   |      |      |      |      |      |      | 25.0  | 13.0 |      |      | 19   |
| 20   |      |      |      |      | 25.0 | 9.0  | 2.0   |      |      |      | 20   |
| 21   |      |      |      |      | 6.0  | 15.0 |       |      |      |      | 21   |
| 22   |      |      |      |      | 1.0  | 5.0  |       |      |      |      | 22   |
| 23   |      |      |      |      |      | 1.0  |       |      |      |      | 23   |
| 24   | 5.0  |      |      |      | 5.0  |      |       |      |      |      | 24   |
| 25   |      |      |      |      |      |      | 2.0   |      |      |      | 25   |
| 26   |      |      |      |      | 11.0 |      |       |      |      |      | 26   |
| 27   |      |      |      |      |      |      | 4.0   |      |      |      | 27   |
| 28   |      |      |      |      |      |      | 5.0   |      |      |      | 28   |
| 29   |      |      |      |      |      | 2.0  |       |      |      |      | 29   |
| 30   |      |      |      |      |      | 8.0  |       |      |      |      | 30   |
| 31   |      |      |      |      |      | 6.0  |       |      |      |      | 31   |
| TOT  | 5.0  |      |      |      | 78.0 | 93.0 | 106.5 | 52.5 | 3.0  | 0.0  | 0.0  |
| OBSERVATEUR=                               |      |      |      |      |      |      |       |      |      |      |      |
| TOTAL ANNUEL= 227.5                        |      |      |      |      |      |      |       |      |      |      |      |
| COU = 112                                  | 090  | 090  | 090  | 090  | 112  | 112  | 112   | 112  | 112  | 112  | 112  |
| N 3  | 1    |      |      |      | 7    | 11   | 12    | 4    | 0    | 0    | 0    |

STATION 5714M

SRAYA ECOLE

ANNEE 1961/1962

| LAT= 46GR.52 CO LDRG= 6GR.57 DO ALT= 630 M |      |      |      |      |       |       |      |      |      |      |      |
|--|------|------|------|------|-------|-------|------|------|------|------|------|
| SEPT                                       | OCTO | NOVE | DECE | JANV | FEBV  | MARS  | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1  |      |      | 17.0 |      |       | 10.0  | 15.2 |      |      |      | 1    |
| 2  | 13.0 |      | 11.0 |      |       | 6.4   | 3.0  |      |      |      | 2    |
| 3  |      |      | 13.0 |      |       | 6.0   |      |      |      |      | 3    |
| 4  | 5.0  |      | 2.6  |      |       | 6.0   |      |      |      |      | 4    |
| 5  |      |      |      |      |       | 13.0  |      |      |      |      | 5    |
| 6  |      |      |      |      |       | 15.0  |      |      |      |      | 6    |
| 7  |      |      |      |      |       | 8.0   |      | 1.6  |      |      | 7    |
| 8  |      |      |      |      |       | 4.0   |      | 6.8  |      |      | 8    |
| 9  |      |      |      |      |       |       |      | 7.5  |      | 13.0 | 9    |
| 10   |      | 10.0 |      |      |       |       |      | 4.0  |      |      | 10   |
| 11   |      |      | 4.0  |      |       |       |      | 1.0  |      |      | 11   |
| 12   |      |      |      |      | 10.0  |       |      |      |      |      | 12   |
| 13   |      |      |      |      |       |       |      |      |      |      | 13   |
| 14   |      |      |      |      |       |       | 13.0 |      |      |      | 14   |
| 15   |      |      |      |      |       |       | 5.4  |      |      |      | 15   |
| 16   |      |      |      |      | 11.8  |       | 6.0  |      |      |      | 16   |
| 17   |      |      |      |      | 12.4  |       |      |      |      |      | 17   |
| 18   |      |      |      | 14.0 | 11.4  |       | 10.5 |      |      |      | 18   |
| 19   |      |      |      | 13.0 |       |       | 15.0 | 10.0 |      |      | 19   |
| 20   |      | 13.0 |      | 12.0 | 10.0  | 13.0  | 6.8  |      |      |      | 20   |
| 21   |      | 10.0 |      | 13.5 | 5.0   | 14.0  | 15.0 |      |      |      | 21   |
| 22   |      | 5.0  |      | 11.0 | 3.0   | 15.0  |      | 6.7  |      |      | 22   |
| 23   |      | 7.0  |      |      | 5.3   |       |      |      |      |      | 23   |
| 24   |      | 3.0  |      |      | 16.0  | 12.0  |      |      |      |      | 24   |
| 25   |      | 12.0 |      |      | 11.6  | 14.0  |      |      |      |      | 25   |
| 26   |      | 11.0 |      |      | 12.0  | 17.0  |      | 9.7  |      |      | 26   |
| 27   |      | 5.0  |      |      | 10.4  |       |      |      |      |      | 27   |
| 28   |      | 4.0  |      |      | 6.2   |       |      |      |      | 3.0  | 28   |
| 29   |      |      |      |      |       |       |      |      |      |      | 29   |
| 30   |      |      |      |      |       |       |      |      |      | 6.0  | 30   |
| 31   |      |      |      |      |       |       |      |      |      |      | 31   |
| TOT  | 19.0 | 72.5 | 76.7 | 74.1 | 112.5 | 170.1 | 98.4 | 91.4 | 32.6 | 0.0  | 27.0 |
| OBSERVATEUR= GUICHYETI SASSEL              |      |      |      |      |       |       |      |      |      |      |      |
| TOTAL ANNUEL= 750.9                        |      |      |      |      |       |       |      |      |      |      |      |
| COU = 112                                  | 112  | 112  | 112  | 112  | 112   | 112   | 112  | 112  | 112  | 112  | 112  |
| N 4  | 2    | 7    | 7    | 6    | 11    | 10    | 10   | 7    | 0    | 3    | 0    |



| LATN 3928.94 CO     |      | LONGW 108.74 DO |      | ALT= 750 M |      |      |       |      |      |      |               |       |
|---------------------|------|-----------------|------|------------|------|------|-------|------|------|------|---------------|-------|
| SEP1                | OCTO | NOVE            | DECE | JANV       | FEBV | MARS | AVRIL | MAY  | JUNH | JULI | AOUT          |       |
| 1                   |      |                 |      |            |      |      | 12.5  |      |      |      | 1             |       |
| 2                   | 3.6  |                 |      |            |      |      | 33.7  |      |      |      | 2             |       |
| 3                   | 19.7 |                 |      |            |      |      |       |      |      |      | 3             |       |
| 4                   | 5.2  |                 |      |            |      |      |       |      |      |      | 4             |       |
| 5                   |      |                 |      |            |      |      |       |      |      |      | 5             |       |
| 6                   |      |                 |      |            |      | 3.5  |       |      |      |      | 6             |       |
| 7                   |      |                 |      |            |      |      |       |      |      |      | 7             |       |
| 8                   |      |                 |      |            |      |      |       |      |      |      | 8             |       |
| 9                   |      |                 |      |            |      |      |       | 19.3 |      |      | 9             |       |
| 10                  |      |                 |      |            |      |      |       | 12.4 |      |      | 10            |       |
| 11                  |      |                 |      |            |      |      |       |      |      |      | 11            |       |
| 12                  |      |                 |      |            |      |      |       |      |      |      | 12            |       |
| 13                  |      |                 |      |            |      |      |       |      |      |      | 13            |       |
| 14                  | 7.3  |                 |      |            |      |      |       |      |      | 8.2  | 14            |       |
| 15                  |      |                 |      |            |      |      |       |      |      |      | 15            |       |
| 16                  |      |                 |      |            |      |      |       |      |      |      | 16            |       |
| 17                  |      |                 |      |            |      |      |       |      |      |      | 17            |       |
| 18                  |      |                 |      |            |      |      |       |      |      |      | 18            |       |
| 19                  | 13.5 |                 |      |            |      |      |       |      |      |      | 19            |       |
| 20                  |      |                 |      |            |      |      |       |      |      |      | 20            |       |
| 21                  |      |                 |      |            |      |      |       |      |      |      | 21            |       |
| 22                  |      |                 |      |            |      |      |       |      |      |      | 22            |       |
| 23                  |      |                 |      |            |      |      |       |      |      |      | 23            |       |
| 24                  |      |                 |      |            |      |      |       |      |      |      | 24            |       |
| 25                  |      |                 |      |            |      |      |       |      |      |      | 25            |       |
| 26                  |      |                 |      |            |      |      |       |      |      |      | 26            |       |
| 27                  |      |                 |      |            |      |      |       |      |      |      | 27            |       |
| 28                  |      |                 |      |            |      |      |       |      |      |      | 28            |       |
| 29                  |      |                 |      |            |      |      |       |      |      |      | 29            |       |
| 30                  |      |                 |      |            |      |      |       |      |      |      | 30            |       |
| 31                  |      |                 |      |            |      |      |       |      |      |      | 31            |       |
| TOT                 | 67.3 | 32.4            | 4.7  | 39.8       | 39.2 | 57.6 | 21.5  | 57.6 | 53.9 | 3.0  | 8.2           | 5.2   |
| OBSERVATION= SOLTAN |      |                 |      |            |      |      |       |      |      |      | TOTAL ANNUEL= | 627.4 |
| CSH = 112           | 112  | 112             | 112  | 112        | 112  | 112  | 112   | 112  | 112  | 112  | 112           |       |
| N J                 | 5    | 5               | 1    | 4          | 6    | 1    | 2     | 7    | 3    | 0    | 1             | 62    |

| STATION 57337 |      | FIDJERUWINE FERME 01 ET 01 |      |      |      |                 |      |       |      | ANNEE 1981/1982 |              |      |       |
|---------------|------|----------------------------|------|------|------|-----------------|------|-------|------|-----------------|--------------|------|-------|
|               |      | LAT= 3904.93 EO            |      |      |      | LONG= 064.53 NO |      |       |      | ALF= 513 M      |              |      |       |
|               | SEPT | OCTO                       | NOVE | DECE | JANV | FEBV            | MARS | AVRIL | MAI  | JUIN            | JUIL         | AOUT |       |
| 1             | -    | -                          | -    | -    | -    | -               | -    | 29.9  | -    | -               | -            | -    |       |
| 2             | 6.0  | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 3             | 12.0 | -                          | -    | 6.0  | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 4             | 8.0  | -                          | -    | 1.0  | -    | -               | -    | -     | -    | 7.0             | -            | -    |       |
| 5             | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 6             | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 7             | -    | -                          | -    | -    | -    | -               | -    | -     | 11.3 | -               | -            | -    |       |
| 8             | -    | -                          | -    | -    | -    | -               | -    | -     | 11.0 | -               | -            | -    |       |
| 9             | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 10            | -    | -                          | 4.0  | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 11            | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 12            | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 13            | 2.0  | -                          | -    | -    | -    | 7.1             | -    | -     | -    | -               | -            | -    |       |
| 14            | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 15            | -    | -                          | -    | -    | -    | -               | -    | 12.0  | -    | -               | -            | -    |       |
| 16            | -    | -                          | -    | -    | -    | 14.0            | -    | -     | -    | -               | -            | -    |       |
| 17            | -    | -                          | -    | -    | -    | 6.0             | -    | 8.0   | -    | -               | -            | -    |       |
| 18            | 14.0 | -                          | -    | -    | 10.0 | -               | 6.0  | 15.0  | -    | -               | -            | -    |       |
| 19            | -    | -                          | -    | -    | 2.5  | -               | -    | -     | 3.0  | -               | -            | -    |       |
| 20            | -    | -                          | -    | -    | 3.5  | -               | -    | -     | -    | -               | -            | -    |       |
| 21            | -    | -                          | -    | -    | -    | 6.0             | 8.0  | -     | -    | -               | -            | -    |       |
| 22            | -    | 3.0                        | -    | 24.0 | 3.0  | -               | 3.0  | -     | 7.0  | -               | -            | -    |       |
| 23            | -    | 2.0                        | -    | -    | -    | -               | -    | -     | -    | -               | -            | 12.0 |       |
| 24            | 7.0  | 13.3                       | -    | -    | -    | -               | -    | 4.0   | -    | -               | -            | -    |       |
| 25            | 2.0  | 7.0                        | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 26            | -    | -                          | 2.0  | -    | -    | 8.0             | -    | -     | -    | -               | -            | -    |       |
| 27            | -    | -                          | -    | -    | 3.0  | -               | -    | -     | -    | -               | -            | -    |       |
| 28            | -    | -                          | -    | -    | 5.0  | -               | -    | 11.5  | -    | -               | -            | -    |       |
| 29            | -    | -                          | -    | -    | 2.0  | -               | 2.0  | -     | -    | -               | -            | -    |       |
| 30            | -    | -                          | -    | -    | -    | -               | -    | -     | -    | -               | -            | -    |       |
| 31            | -    | -                          | -    | -    | -    | -               | 1.0  | -     | -    | -               | -            | -    |       |
| TOT           | 51.0 | 27.0                       | 9.0  | 29.0 | 24.0 | 45.1            | 20.0 | 79.5  | 41.3 | 2.0             | 9.0          | 12.0 |       |
| OBSERVATIONS: |      |                            |      |      |      |                 |      |       |      |                 | TOTAL ANNEE= |      | 359.0 |



STATION 57334

TABERLOINE LYCEE

ANNÉE 1981/1982

|     |     | LAT= 39GR. 48 40 |      | LONG= 6GR. 21 00 |      | ALT= 685 M |      |      |      |      |      |      |      |
|-----|-----|------------------|------|------------------|------|------------|------|------|------|------|------|------|------|
|     |     | SEPT             | OCTO | NOVE             | DECE | JANV       | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1   |     |                  |      |                  |      |            |      |      | 2.0  |      |      |      | 1    |
| 2   |     |                  |      |                  |      |            |      |      | 34.0 |      |      |      | 2    |
| 3   |     |                  |      |                  |      |            |      |      |      |      |      |      | 3    |
| 4   |     |                  |      |                  |      |            |      |      |      |      |      |      | 4    |
| 5   |     |                  |      |                  |      |            |      |      |      |      |      |      | 5    |
| 6   |     |                  |      |                  |      |            |      |      | 2.5  |      |      |      | 6    |
| 7   |     |                  |      |                  |      |            |      |      |      |      |      |      | 7    |
| 8   |     |                  |      |                  |      |            |      |      |      |      |      |      | 8    |
| 9   |     |                  |      |                  |      |            |      |      |      | 12.0 |      |      | 9    |
| 10  |     |                  |      |                  |      |            |      |      |      | 9.5  |      |      | 10   |
| 11  |     |                  |      |                  |      |            |      |      |      |      |      |      | 11   |
| 12  |     |                  |      |                  |      |            |      |      |      |      |      |      | 12   |
| 13  |     |                  |      |                  |      |            |      |      |      |      |      |      | 13   |
| 14  |     |                  |      |                  |      |            | 5.5  |      |      |      |      |      | 14   |
| 15  |     |                  |      |                  |      |            |      |      | 7.5  |      |      |      | 15   |
| 16  |     |                  |      |                  |      |            |      |      | 5.5  |      |      |      | 16   |
| 17  | 5.0 |                  |      |                  |      |            | 14.5 | 1.0  |      | 1.5  |      |      | 17   |
| 18  |     |                  |      |                  |      |            | 7.5  |      | 9.0  | 1.5  |      |      | 18   |
| 19  |     |                  |      |                  |      | 11.0       |      | 3.5  | 16.5 |      |      |      | 19   |
| 20  |     |                  |      |                  |      |            |      |      | 2.0  |      |      |      | 20   |
| 21  |     | 1.5              |      |                  |      | 2.5        | 1.0  | 2.0  |      |      |      |      | 21   |
| 22  | 1.5 |                  |      |                  |      |            | 7.0  |      |      |      |      |      | 22   |
| 23  |     | 3.0              |      |                  | 20.0 | 2.0        |      |      |      |      |      |      | 23   |
| 24  |     | 1.0              |      |                  |      |            |      | 1.5  |      |      |      |      | 24   |
| 25  | 2.0 | 3.5              |      |                  |      |            |      |      |      |      |      |      | 25   |
| 26  |     | 3.0              |      |                  |      |            |      |      | 5.5  |      |      |      | 26   |
| 27  |     |                  | 1.5  |                  |      |            |      |      |      |      |      |      | 27   |
| 28  |     |                  |      |                  |      | 2.0        |      |      |      |      |      |      | 28   |
| 29  |     |                  |      |                  |      | 5.0        |      |      |      |      |      |      | 29   |
| 30  |     |                  |      |                  |      | 2.0        |      |      |      |      |      |      | 30   |
| 31  |     |                  |      |                  |      |            |      |      |      |      |      |      | 31   |
| TOT | 24  | 23.3             | 1.5  | 20.0             | 24.5 | 35.5       | 15.0 | 83.5 | 24.5 | 24.0 | 0.3  | 5.0  |      |

OBSERVATEUR= MODELMT

TOTAL ANNUEL= 422.4

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CM  | 132 | 112 | 112 | 112 | 112 | 112 | 117 | 112 | 112 | 112 | 112 | 112 | 355 |
| N J | 24  | 5   | 1   | 1   | 6   | 5   | 5   | 9   | 4   | 0   | 0   | 44  |     |

STATION 57336

TEBOURGA ECOLE SN

ANNÉE 1981/1982

|     |      | LAT= 40GR. 02 00 |      | LONG= 6GR. 34 00 |      | ALT= 29 M |      |      |      |     |      |      |      |
|-----|------|------------------|------|------------------|------|-----------|------|------|------|-----|------|------|------|
|     |      | SEPT             | OCTO | NOVE             | DECE | JANV      | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT |
| 1   |      |                  |      |                  |      |           |      |      | 2    |     |      |      | 1    |
| 2   |      |                  |      |                  | 4.5  |           |      | 2.2  |      |     |      |      | 2    |
| 3   |      |                  |      |                  | 14.0 |           |      |      |      |     |      |      | 3    |
| 4   | 11.0 |                  |      |                  |      |           |      |      |      |     |      |      | 4    |
| 5   |      |                  |      |                  | 4.3  |           |      | 9.1  |      |     |      |      | 5    |
| 6   |      |                  |      |                  |      |           |      | 33.7 | 5.0  |     |      |      | 6    |
| 7   |      |                  |      |                  |      |           |      | 2.0  |      |     |      |      | 7    |
| 8   |      |                  |      |                  |      |           |      | 8    |      |     |      |      | 8    |
| 9   |      |                  |      |                  |      |           |      |      |      |     |      |      | 9    |
| 10  |      |                  |      | 1.0              |      |           |      |      |      |     |      |      | 10   |
| 11  |      |                  |      |                  |      |           |      |      |      |     |      |      | 11   |
| 12  |      |                  |      |                  |      |           |      |      |      |     |      |      | 12   |
| 13  |      |                  |      |                  |      |           |      |      |      |     |      |      | 13   |
| 14  |      |                  |      |                  |      |           |      |      |      |     |      |      | 14   |
| 15  |      |                  |      |                  |      | 31.5      |      |      | 12.7 |     |      |      | 15   |
| 16  |      |                  |      |                  |      |           |      |      | 1.5  |     |      |      | 16   |
| 17  |      |                  |      |                  |      |           |      |      |      |     |      |      | 17   |
| 18  | 7    |                  |      |                  | 2.0  | 26.0      |      | 3    | 7.3  |     |      |      | 18   |
| 19  |      |                  |      |                  | 11.3 | 5.8       |      | 8    | 19.4 |     |      |      | 19   |
| 20  |      | 5.5              |      |                  |      | 1.0       |      | 1.4  | 3.3  |     |      |      | 20   |
| 21  |      |                  |      |                  |      | 10.3      | 12.5 | 19.5 | 1.0  |     |      |      | 21   |
| 22  |      | 7.2              |      |                  | 4.8  | 0         |      | 1.5  |      |     |      |      | 22   |
| 23  | 6.5  |                  |      |                  | 0    | 5         | 9.2  | 0    |      |     |      |      | 23   |
| 24  |      | 10.9             |      |                  | 1.8  |           | 5.5  |      |      |     |      |      | 24   |
| 25  | 2.5  | 3.7              | 5.0  |                  | 2    |           | 1.7  | 1.0  |      |     |      |      | 25   |
| 26  | 7.0  |                  |      |                  | 3.0  | 4.0       | 5.4  |      |      |     |      |      | 26   |
| 27  |      |                  |      |                  |      | 4.5       |      |      |      |     |      |      | 27   |
| 28  | 3.2  |                  |      |                  |      | 3.0       |      |      | 1.0  |     |      |      | 28   |
| 29  |      |                  |      |                  |      | 1.1       |      | 1.3  |      |     |      |      | 29   |
| 30  |      |                  |      |                  |      |           |      | 6.5  |      |     |      |      | 30   |
| 31  |      |                  |      |                  |      |           |      |      |      |     |      |      | 31   |
| TOT | 29.2 | 27.3             | 17.5 | 55.1             | 82.3 | 78.1      | 50.8 | 56.5 | 30.4 | 3.0 | 0.0  | 3.7  |      |

OBSERVATEUR= METRO

TOTAL ANNUEL= 433.6











STATION 57678

THALA SA

ANNEE 1981/1982

179

|                    |      | LAT= 39GR.53 CO |      | LONG= 76GR.34 00 |      | ALT= 1020 M |      |       |      |      |      |               |       |
|--------------------|------|-----------------|------|------------------|------|-------------|------|-------|------|------|------|---------------|-------|
|                    | SEPT | OCTO            | NOVE | DECE             | JANY | FEBV        | MARS | AVRI  | MAI  | JUIN | JUIL | AOUT          |       |
| 1                  | 5.2  |                 |      |                  |      |             |      | 15.2  | 1.7  | 3    |      |               | 1     |
| 2                  | 9.3  |                 |      |                  |      |             |      |       |      |      |      |               | 2     |
| 3                  |      |                 |      | 5.2              |      |             |      |       |      |      |      |               | 3     |
| 4                  | 6.6  |                 |      | 1.4              |      |             |      |       |      | 1.0  |      |               | 4     |
| 5                  |      |                 |      |                  |      |             |      |       |      |      |      |               | 5     |
| 6                  |      |                 |      |                  |      |             |      | 1.6   |      |      |      |               | 6     |
| 7                  |      |                 |      |                  |      |             |      |       |      |      |      |               | 7     |
| 8                  |      |                 |      |                  |      |             |      |       | 11.2 |      |      | 2.5           | 8     |
| 9                  |      |                 |      |                  |      |             |      |       | 14.5 | 2.7  |      |               | 9     |
| 10                 |      |                 |      |                  |      |             |      |       |      |      |      |               | 10    |
| 11                 |      |                 | 2.1  |                  |      |             |      |       |      |      |      |               | 11    |
| 12                 |      |                 |      |                  |      |             |      |       |      |      |      |               | 12    |
| 13                 |      |                 |      |                  |      | 2.5         |      | 7.1   |      |      |      |               | 13    |
| 14                 | 7    |                 |      |                  |      | 1.5         |      | 7.4   |      |      |      |               | 14    |
| 15                 |      |                 |      |                  |      |             |      | 9.2   |      |      |      |               | 15    |
| 16                 |      |                 |      |                  |      | 5.2         |      | 1.0   | 3.9  |      |      |               | 16    |
| 17                 |      |                 |      |                  |      | 2.2         |      | 7     | 8.5  |      | 1.5  |               | 17    |
| 18                 | 14.3 |                 |      |                  | 11.1 | 4           | 2.3  | 6.6   | 17.0 |      |      |               | 18    |
| 19                 |      |                 |      |                  | 7.7  |             |      | 17.7  |      |      |      |               | 19    |
| 20                 |      | 3.7             |      |                  | 2.8  | 1.5         | 2.0  | 4.4   |      |      |      |               | 20    |
| 21                 |      |                 |      |                  |      | 5.5         | 15.0 | 2     | 1.9  | 6.1  |      |               | 21    |
| 22                 |      | 1.2             |      | 11.9             | 4.2  | 3.5         | 1.3  |       |      |      |      | 5.5           | 22    |
| 23                 |      |                 |      |                  | 2    | 1.5         | 2.6  |       |      |      |      | 1.1           | 23    |
| 24                 |      | 2.1             |      |                  |      |             |      |       |      |      |      |               | 24    |
| 25                 | 4.4  | 12.3            |      |                  | 2    |             |      | 9.5   |      |      |      |               | 25    |
| 26                 |      | 11.1            |      |                  |      |             |      |       |      |      |      |               | 26    |
| 27                 |      |                 | 2.7  |                  | 1.0  | 2.5         | 1.0  | 2.6   |      |      |      |               | 27    |
| 28                 | 8.3  |                 |      |                  | 7    |             |      | 1.7   |      |      |      |               | 28    |
| 29                 |      |                 |      |                  | 2.0  |             |      | 16.8  |      |      |      |               | 29    |
| 30                 |      |                 | 3.5  |                  | 2.9  |             |      | 3.3   |      |      |      | 3.3           | 30    |
| 31                 |      |                 |      |                  |      |             | 2    |       | 1.2  |      |      |               | 31    |
| TOT                | 47.5 | 32.7            | 6.4  | 13.5             | 34.0 | 21.2        | 24.6 | 100.2 | 55.4 | 8.1  | 1.2  | 17.4          |       |
| JOSEPHATEURA METEO |      |                 |      |                  |      |             |      |       |      |      |      | TOTAL ANNUEL= | 375.9 |
| COM =              | 212  | 212             | 212  | 212              | 212  | 212         | 212  | 212   | 212  | 212  | 212  | 212           |       |
| 4 J                | 9    | 5               | 4    | 3                | 11   | 12          | 8    | 16    | 5    | 4    | 1    | 5             | 33    |

STATION 57630

THALA T.P

ANNEE 1981/1982

|                             |      | LAT= 39GR.52 50 |      | LONG= 76GR.34 00 |      | ALT= 1020 M |      |      |      |      |      |               |       |
|-----------------------------|------|-----------------|------|------------------|------|-------------|------|------|------|------|------|---------------|-------|
|                             | SEPT | OCTO            | NOVE | DECE             | JANY | FEBV        | MARS | AVRI | MAI  | JUIN | JUIL | AOUT          |       |
| 1                           | 2.0  |                 |      |                  |      |             |      | 10.3 |      |      |      |               | 1     |
| 2                           | 6.3  |                 |      |                  |      |             |      |      |      |      |      |               | 2     |
| 3                           |      |                 |      |                  |      |             |      |      |      |      |      |               | 3     |
| 4                           | 7.0  |                 |      | 0.5              |      |             |      |      |      |      |      |               | 4     |
| 5                           |      |                 |      |                  |      |             |      |      |      |      |      |               | 5     |
| 6                           |      |                 |      |                  |      |             |      | 5.0  |      |      |      |               | 6     |
| 7                           |      |                 |      |                  |      |             |      |      |      |      |      |               | 7     |
| 8                           |      |                 |      |                  |      |             |      |      | 1.5  |      |      |               | 8     |
| 9                           |      |                 |      |                  |      |             |      |      | 10.5 |      |      |               | 9     |
| 10                          |      |                 |      |                  |      |             |      |      |      |      |      |               | 10    |
| 11                          |      |                 | 1.2  |                  |      |             |      |      |      |      |      |               | 11    |
| 12                          |      |                 |      |                  |      |             |      |      |      |      |      |               | 12    |
| 13                          |      |                 |      |                  |      | 3.1         |      |      |      |      |      |               | 13    |
| 14                          |      |                 |      |                  |      |             |      | 7.0  |      |      |      |               | 14    |
| 15                          |      |                 |      |                  |      |             |      | 10.0 |      |      |      |               | 15    |
| 16                          |      |                 |      |                  |      | 8.1         |      |      |      |      |      |               | 16    |
| 17                          |      |                 |      |                  |      |             |      | 16.2 | 7.5  |      |      |               | 17    |
| 18                          | 10.3 |                 |      |                  | 5.5  |             | 1.5  |      | 5.0  |      |      |               | 18    |
| 19                          |      |                 |      |                  | 3.0  |             |      | 13.1 | 14.5 |      |      |               | 19    |
| 20                          |      | 6.0             |      |                  | 1.0  |             | 1.5  | 4.0  |      |      |      |               | 20    |
| 21                          |      |                 |      |                  |      | 6.5         | 11.8 |      |      |      |      |               | 21    |
| 22                          |      |                 |      | 0.1              | 2.5  | 3.0         | 3    |      |      |      |      |               | 22    |
| 23                          |      | 2.3             |      |                  |      |             |      |      |      |      |      |               | 23    |
| 24                          |      | 11.6            |      |                  |      |             |      |      |      |      |      |               | 24    |
| 25                          | 5.5  | 12.0            |      |                  |      |             |      |      |      |      |      |               | 25    |
| 26                          |      |                 | 2.1  |                  |      | 5.1         |      | 7.3  |      |      |      |               | 26    |
| 27                          | 7.7  |                 |      |                  |      |             |      | 7.6  |      |      |      |               | 27    |
| 28                          |      |                 |      |                  | 3.0  |             |      | 1.0  |      |      |      |               | 28    |
| 29                          |      |                 |      |                  |      |             |      | 15.0 |      |      |      |               | 29    |
| 30                          |      |                 |      |                  |      |             |      | 6.3  |      |      |      |               | 30    |
| 31                          |      |                 |      |                  |      |             |      |      |      |      |      |               | 31    |
| TOT                         | 38.3 | 24.6            | 3.1  | 14.6             | 15.3 | 26.5        | 15.1 | 93.8 | 47.0 | 0.0  | 0.0  | 10.3          |       |
| JOSEPHATEURA KHLIFA KHAKIFA |      |                 |      |                  |      |             |      |      |      |      |      | TOTAL ANNUEL= | 277.5 |
| COM =                       | 112  | 112             | 112  | 112              | 112  | 112         | 112  | 112  | 112  | 112  | 112  | 112           |       |
| 4 J                         | 6    | 6               | 3    | 2                | 5    | 4           | 4    | 12   | 5    | 0    | 3    | 11            | 54    |







[illegible][illegible]



STATION 58272

ZODIACAL SARE

ANNEE 1981/1982

|              |      | LAT= 40GR.02 70 |      | LONG= 2GR.29 70 |      | ALT= 571 M |      |       |      |      |      |      |                        |
|--------------|------|-----------------|------|-----------------|------|------------|------|-------|------|------|------|------|------------------------|
|              | SEPT | OCTO            | NOVE | DECE            | JANV | FEBV       | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT |                        |
| 1            | +    | 5               | 3    | 2.5             | -    | -          | -    | 6.1   | -    | -    | -    | -    | 1.                     |
| 2            | +    | 5               | 3    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 2                      |
| 3            | +    | 5               | 3    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 3                      |
| 4            | 17.0 | 5               | 3    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 4                      |
| 5            | +    | 5               | 3    | 6.1             | -    | -          | -    | -     | -    | -    | -    | -    | 5                      |
| 6            | +    | 5               | 3    | 1.5             | -    | -          | -    | -     | -    | -    | -    | -    | 6                      |
| 7            | +    | 5               | 3    | -               | -    | -          | 6.0  | 2.5   | -    | -    | -    | -    | 7                      |
| 8            | +    | 5               | 3    | -               | -    | -          | 1.0  | -     | -    | -    | -    | -    | 8                      |
| 9            | +    | 5               | 3    | -               | -    | -          | -    | -     | 3.0  | -    | -    | -    | 9                      |
| 10           | +    | 5               | 3    | -               | -    | -          | -    | -     | 10.5 | -    | -    | -    | 10                     |
| 11           | +    | 5               | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 11                     |
| 12           | +    | 5               | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 12                     |
| 13           | +    | 5               | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 13                     |
| 14           | 2.6  | 5               | 5    | -               | -    | 2.5        | -    | -     | -    | -    | -    | -    | 14                     |
| 15           | +    | 5               | 5    | -               | -    | -          | -    | 12.5  | -    | -    | -    | -    | 15                     |
| 16           | +    | 5               | 5    | -               | -    | 11.0       | -    | 4.5   | -    | -    | -    | -    | 16                     |
| 17           | +    | 5               | 5    | -               | -    | 7.0        | 2.2  | -     | -    | -    | -    | -    | 17                     |
| 18           | +    | 5               | 5    | -               | -    | -          | 6.5  | 16.1  | -    | -    | -    | -    | 18                     |
| 19           | 13.4 | 5               | 5    | 5.1             | -    | -          | 2.5  | -     | -    | -    | -    | -    | 19                     |
| 20           | +    | 5               | 5    | 2.3             | -    | -          | -    | -     | -    | -    | -    | -    | 20                     |
| 21           | +    | 5.2             | 5    | -               | 5    | 4.5        | 1.5  | -     | -    | -    | -    | -    | 21                     |
| 22           | +    | 5.2             | 5    | 4               | -    | 7.5        | 15.0 | -     | -    | -    | -    | -    | 22                     |
| 23           | +    | 5.2             | 5    | 19.5            | 9    | 1.6        | 1.5  | -     | -    | -    | -    | -    | 23                     |
| 24           | +    | 5.2             | 5    | -               | -    | -          | 2.2  | -     | -    | -    | -    | -    | 24                     |
| 25           | +    | 5.2             | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 25                     |
| 26           | +    | 5.2             | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 26                     |
| 27           | +    | 5.2             | 5    | 4               | 1.5  | 13.0       | -    | -     | -    | -    | -    | -    | 27                     |
| 28           | +    | 5.2             | 5    | -               | -    | -          | -    | 2.5   | -    | -    | -    | -    | 28                     |
| 29           | +    | 5.2             | 5    | -               | 4.2  | -          | -    | 3.5   | -    | -    | -    | -    | 29                     |
| 30           | +    | 5.2             | 5    | 6.2             | -    | -          | -    | -     | -    | -    | -    | -    | 30                     |
| 31           | +    | 5.2             | 5    | -               | -    | -          | -    | -     | -    | -    | -    | -    | 31                     |
| TOT          | 53.0 | 4.4             | 4.4  | 32.0            | 16.5 | 47.4       | 35.9 | 46.5  | 44   | 3.0  | 0.5  | 0.0  |                        |
| OBSERVATION* |      |                 |      |                 |      |            |      |       |      |      |      |      | TOTAL ANN. CL. 4200000 |
| COM          | 112  | 132             | 132  | 112             | 112  | 112        | 112  | 112   | 132  | 112  | 112  | 112  |                        |
| N J          | 3    | 2               | 2    | 5               | 6    | 7          | 8    | 4     | 44   | 0    | 0    | 0    | 14                     |



STATION 60025

KIN AMARA PT

ANNEX 1981/1982

183

|                      |      | LAT 39° 42' 20" 00 |     | LONG 4° 58' 55" 30 |      | ALT 1050 M |       |      |      |      |      |               |    |
|----------------------|------|--------------------|-----|--------------------|------|------------|-------|------|------|------|------|---------------|----|
| SEPT                 | OCTO | NOV                | DEC | JANV               | FEBV | MARS       | AVRIL | MAI  | JUIN | JUIL | AOUT |               |    |
| 1                    |      |                    |     |                    |      |            | 9.2   |      |      |      |      |               | 1  |
| 2                    |      |                    |     |                    |      |            | 1.3   |      |      |      |      |               | 2  |
| 3                    | 10.0 |                    |     |                    |      |            |       |      |      |      |      |               | 3  |
| 4                    | 4.0  |                    |     |                    |      |            |       |      |      |      |      |               | 4  |
| 5                    |      |                    |     |                    |      |            |       |      |      |      |      |               | 5  |
| 6                    |      |                    |     |                    |      |            |       |      | 4.7  |      |      |               | 6  |
| 7                    |      |                    |     |                    |      |            |       |      |      |      |      |               | 7  |
| 8                    |      |                    |     |                    |      |            |       | 12.4 |      |      | 2.5  |               | 8  |
| 9                    |      |                    |     |                    |      |            |       | 15.2 | 1.1  |      |      |               | 9  |
| 10                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 10 |
| 11                   |      |                    |     |                    |      |            |       | 5.0  |      |      |      |               | 11 |
| 12                   |      |                    |     |                    |      |            |       |      |      |      | 1.3  |               | 12 |
| 13                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 13 |
| 14                   |      |                    |     |                    |      |            | 1.8   |      |      |      |      |               | 14 |
| 15                   |      |                    |     |                    |      |            | 7.8   |      |      |      |      |               | 15 |
| 16                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 16 |
| 17                   |      |                    |     |                    |      |            | 14.5  |      |      |      |      |               | 17 |
| 18                   | 5.4  |                    |     | 12.5               | 16.1 |            | 6.1   |      |      |      |      |               | 18 |
| 19                   |      |                    |     |                    |      |            | 7.5   |      |      |      |      |               | 19 |
| 20                   |      |                    |     |                    |      |            | 9.4   |      | 2.4  |      |      |               | 20 |
| 21                   | 10.4 |                    | 7.9 |                    |      | 3.2        |       |      |      |      | 5.1  |               | 21 |
| 22                   |      |                    |     |                    | 2.1  |            |       |      |      |      |      |               | 22 |
| 23                   |      |                    |     |                    | 4.2  |            |       |      |      |      | 11.0 |               | 23 |
| 24                   |      | 3.3                |     |                    |      |            |       |      |      |      |      |               | 24 |
| 25                   |      | 25.2               |     |                    |      |            |       |      |      |      |      |               | 25 |
| 26                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 26 |
| 27                   |      |                    |     |                    |      |            |       | 3.1  |      |      |      |               | 27 |
| 28                   |      |                    |     |                    |      |            | 0.5   |      |      |      |      |               | 28 |
| 29                   |      |                    |     |                    |      |            | 2.4   |      |      |      |      |               | 29 |
| 30                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 30 |
| 31                   |      |                    |     |                    |      |            |       |      |      |      |      |               | 31 |
| TOT                  | 37.8 | 34.5               | 3.9 | 7.9                | 22.6 | 3.2        | 66.3  | 44.7 | 8.5  | 0.2  | 20.4 |               |    |
| OBSERVATEUR: HADROUX |      |                    |     |                    |      |            |       |      |      |      |      | TOTAL ANNUEL: |    |
| COM                  | 112  | 112                | 112 | 112                | 112  | 112        | 112   | 112  | 112  | 112  | 112  | 264.7         |    |
| N J                  | 4    | 2                  | 0   | 1                  | 1    | 3          | 1     | 10   | 4    | 3    | 3    | 37            |    |

STATION 60026

KIN HAIGHEP

ANNEX 1981/1982

|              |      | LAT 39° 42' 30" 00 |     | LONG 4° 58' 55" 30 |      | ALT 1050 M |       |      |      |      |      |               |    |
|--------------|------|--------------------|-----|--------------------|------|------------|-------|------|------|------|------|---------------|----|
| SEPT         | OCTO | NOV                | DEC | JANV               | FEBV | MARS       | AVRIL | MAI  | JUIN | JUIL | AOUT |               |    |
| 1            | 5.0  |                    |     |                    |      |            |       |      |      |      |      |               | 1  |
| 2            | 16.0 |                    |     |                    |      |            |       |      |      |      |      |               | 2  |
| 3            |      |                    |     |                    |      |            |       |      |      |      |      |               | 3  |
| 4            |      |                    |     |                    |      |            |       |      |      |      |      |               | 4  |
| 5            |      |                    |     |                    |      |            |       |      |      |      |      |               | 5  |
| 6            |      |                    |     |                    |      |            |       |      |      |      |      |               | 6  |
| 7            |      |                    |     |                    |      |            |       |      |      |      |      |               | 7  |
| 8            |      |                    |     |                    |      |            |       |      |      |      |      |               | 8  |
| 9            |      |                    |     |                    |      |            |       |      |      |      |      |               | 9  |
| 10           |      |                    |     |                    |      |            |       |      |      |      |      |               | 10 |
| 11           |      |                    |     |                    |      |            |       |      |      |      |      |               | 11 |
| 12           |      |                    |     |                    |      |            | 2.0   |      |      |      |      |               | 12 |
| 13           |      |                    |     |                    |      |            | 3.1   |      |      |      |      |               | 13 |
| 14           |      |                    |     |                    |      |            | 4.0   |      |      |      |      |               | 14 |
| 15           |      |                    |     |                    |      |            |       |      |      |      |      |               | 15 |
| 16           |      |                    |     |                    |      |            |       |      |      |      |      |               | 16 |
| 17           | 33.1 |                    |     |                    |      |            |       |      |      |      |      |               | 17 |
| 18           |      |                    |     | 17.5               |      |            | 4.5   | 14.3 |      |      |      |               | 18 |
| 19           |      |                    |     |                    |      |            | 4.0   |      |      |      |      |               | 19 |
| 20           |      |                    |     |                    |      |            | 21.0  | 74.5 |      |      |      |               | 20 |
| 21           |      |                    |     |                    |      |            |       |      |      |      |      |               | 21 |
| 22           |      |                    |     |                    |      |            |       |      |      |      |      |               | 22 |
| 23           |      |                    |     |                    |      |            |       |      |      |      |      |               | 23 |
| 24           |      |                    |     |                    |      |            |       |      |      |      |      |               | 24 |
| 25           |      |                    |     |                    |      |            |       | 3.0  |      |      |      |               | 25 |
| 26           | 10.0 |                    |     |                    |      |            |       |      |      |      |      |               | 26 |
| 27           | 27.0 |                    |     |                    |      |            |       |      |      |      |      |               | 27 |
| 28           |      |                    |     |                    |      |            |       |      |      |      |      |               | 28 |
| 29           |      |                    |     |                    |      |            |       |      |      |      |      |               | 29 |
| 30           |      |                    |     |                    | 4.0  |            |       |      |      |      |      |               | 30 |
| 31           |      |                    |     |                    |      |            |       |      |      |      |      |               | 31 |
| TOT          | 49.8 | 10.5               | 0.0 | 17.5               | 22.6 | 17.7       | 33.6  | 93.4 | 0.0  | 0.2  | 33.0 |               |    |
| OBSERVATEUR: |      |                    |     |                    |      |            |       |      |      |      |      | TOTAL ANNUEL: |    |
| COM          | 112  | 112                | 112 | 112                | 112  | 112        | 112   | 112  | 112  | 112  | 112  | 264.7         |    |
| N J          | 4    | 2                  | 0   | 1                  | 1    | 3          | 1     | 10   | 4    | 3    | 3    | 37            |    |



| STATION 60145                  |      | PEN JAPPEL SUELEA |      |                 |       |            |      | ANGL 1981/1982 |      |     |      |                     |  |
|--------------------------------|------|-------------------|------|-----------------|-------|------------|------|----------------|------|-----|------|---------------------|--|
|                                |      | LAT= 19GR 29 75   |      | LONG= 7GR 66 35 |       | ALT= 570 M |      |                |      |     |      |                     |  |
| SEPT                           | OCT  | NOVE              | DECE | JANV.           | FEBV. | MARS       | AVR  | MAY            | JUN  | JUL | AOUS |                     |  |
| 1                              |      |                   |      |                 |       |            | 6.0  |                |      |     |      | 1                   |  |
| 2                              | 3.0  |                   |      |                 |       |            |      |                |      |     |      | 2                   |  |
| 3                              |      |                   | 3.0  |                 |       |            |      |                |      |     |      | 3                   |  |
| 4                              |      |                   |      |                 |       |            |      |                |      |     |      | 4                   |  |
| 5                              |      |                   |      |                 | 2.1   |            |      |                |      |     |      | 5                   |  |
| 6                              |      |                   |      |                 |       |            | 2.1  |                |      |     |      | 6                   |  |
| 7                              |      |                   |      |                 |       |            |      |                |      |     |      | 7                   |  |
| 8                              |      |                   |      |                 |       |            |      |                |      |     |      | 8                   |  |
| 9                              |      |                   |      |                 |       |            |      | 6.2            |      |     |      | 9                   |  |
| 10                             |      |                   |      |                 |       |            |      | 11.0           |      |     |      | 10                  |  |
| 11                             |      |                   |      |                 |       |            |      |                |      |     |      | 11                  |  |
| 12                             |      |                   |      |                 |       |            |      | 5.1            |      |     |      | 12                  |  |
| 13                             |      |                   |      |                 |       |            |      |                |      |     |      | 13                  |  |
| 14                             |      |                   |      |                 | 3.6   |            |      |                |      |     |      | 14                  |  |
| 15                             |      |                   |      | 5.0             |       |            | 31.0 |                |      |     |      | 15                  |  |
| 16                             |      |                   |      |                 |       |            |      |                |      |     |      | 16                  |  |
| 17                             |      |                   |      |                 |       |            |      |                |      |     |      | 17                  |  |
| 18                             | 9.2  |                   |      | 46.0            |       |            | 16.2 |                |      |     |      | 18                  |  |
| 19                             |      |                   |      |                 |       |            | 17.0 |                |      |     |      | 19                  |  |
| 20                             |      | 4.1               |      |                 |       |            |      |                |      |     |      | 20                  |  |
| 21                             |      |                   |      |                 |       | 3.0        |      |                |      |     |      | 21                  |  |
| 22                             |      |                   | 4.2  |                 | 16.0  |            |      |                |      |     | 11.3 | 22                  |  |
| 23                             |      | 3.0               |      |                 | 1.6   |            |      |                |      |     | 2.0  | 23                  |  |
| 24                             |      | 2.2               |      |                 |       |            |      |                |      |     | 2.1  | 24                  |  |
| 25                             | 5.0  | 24.0              |      |                 |       | 3.1        |      |                |      |     | 15.2 | 25                  |  |
| 26                             |      |                   |      |                 |       |            |      |                |      |     |      | 26                  |  |
| 27                             | 3.0  |                   |      |                 |       |            |      |                |      |     |      | 27                  |  |
| 28                             |      |                   |      |                 |       |            | 6.0  |                |      |     |      | 28                  |  |
| 29                             |      | 4.3               |      |                 |       |            |      |                |      |     |      | 29                  |  |
| 30                             |      |                   |      |                 |       |            | 5.0  |                |      |     |      | 30                  |  |
| 31                             |      |                   |      |                 |       |            |      |                |      |     |      | 31                  |  |
| TOT                            | 23.2 | 40.3              | 4.5  | 7.2             | 43.0  | 22.5       | 6.1  | 75.3           | 23.3 | 3.0 | 0.0  | 33.3                |  |
| OBSERVATION= LANDHAK B. HASSEL |      |                   |      |                 |       |            |      |                |      |     |      | TOTAL ANNUEL= 274.0 |  |
| CAN                            | 112  | 112               | 112  | 112             | 112   | 112        | 112  | 112            | 112  | 112 | 112  | 112                 |  |
| W J                            | 4    | 4                 | 1    | 2               | 2     | 4          | 2    | 7              | 3    | 0   | 1    | 33                  |  |

[illegible]







DATE: 10/10/2014

916 64000000

AMFZ 1781/1592

[illegible]

**სტუდენტთა 1-ე კლასი**

TOTAL ANNUFLE 327.9

[illegible]

5147104 60757

D I N F 0 0 0 0 0 0

444477 1081/1550

| STATION: 10000000                         |      |      |      |      |      |      |      |      |      |     |     |
|---|------|------|------|------|------|------|------|------|------|-----|-----|
| LAT= 39SR.70 ED LONG= 80R.40 DD ALT= 50 N |      |      |      |      |      |      |      |      |      |     |     |
| SEPT                                      | OCTO | NOVE | DECE | JANV | FEBV | MARS | APRI | MAY  | JUN  | JUL | AUG |
| 1   |      |      |      |      |      |      |      |      |      |     |     |
| 2   |      |      |      |      |      |      |      |      |      |     |     |
| 3   |      |      |      |      |      |      |      |      |      |     |     |
| 4   |      |      |      |      |      |      |      |      |      |     |     |
| 5   |      |      |      |      |      |      |      |      |      |     |     |
| 6   |      |      |      |      |      |      |      |      |      |     |     |
| 7   |      |      |      |      |      |      |      |      |      |     |     |
| 8   |      |      |      |      |      |      |      |      |      |     |     |
| 9   |      |      |      |      |      |      |      | 15.2 |      |     |     |
| 10  |      |      |      |      |      |      |      |      |      |     |     |
| 11  |      |      |      |      |      |      |      |      |      |     |     |
| 12  | 7.0  |      |      |      |      |      |      |      |      |     |     |
| 13  |      |      |      |      |      |      |      |      |      |     |     |
| 14  |      |      |      |      |      |      |      |      |      |     |     |
| 15  |      |      |      |      |      |      |      | 32.3 |      |     |     |
| 16  |      |      |      |      |      |      |      |      |      |     |     |
| 17  |      |      |      |      |      |      |      |      |      |     |     |
| 18  |      |      |      |      |      |      |      |      |      |     |     |
| 19  |      |      |      |      |      |      |      |      |      |     |     |
| 20  | 32.4 |      |      | 22.0 | 22.0 |      |      |      |      |     |     |
| 21  |      |      |      |      |      |      |      |      |      |     |     |
| 22  |      |      |      |      |      |      |      | 17.2 |      |     |     |
| 23  | 5.0  |      |      |      |      |      |      |      |      |     |     |
| 24  |      |      |      |      |      |      |      |      |      |     |     |
| 25  |      |      |      |      |      |      |      | 11.2 |      |     |     |
| 26  | 32.0 |      |      |      |      |      |      |      |      |     |     |
| 27  |      |      |      |      |      |      |      |      |      |     |     |
| 28  |      |      |      |      |      |      |      |      |      |     |     |
| 29  |      |      |      |      |      |      |      |      |      |     |     |
| 30  |      |      |      |      |      |      |      |      |      |     |     |
| 31  |      |      |      |      |      |      |      |      |      |     |     |
| TOT                                       | 10.0 | 57.0 | 0.0  | 5.0  | 44.0 | 10.0 | 11.2 | 56.4 | 15.0 | 0.0 | 0.0 |

UNCLASSIFIED

TABLE 4. ENVIRONMENTAL DATA. 1995-96



| LAT= 39 48.22 N        |      |      |      |      |      |      |      |      |      |      |      |       | LONG= 76 4.39 W |  | ALTA |  | GRD M |  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-----------------|--|------|--|-------|--|
|                        | SEPT | OCTO | NOVE | DICE | JANU | FEBU | MARS | APRI | MAY  | JUNE | JULI | NOVE  |                 |  |      |  |       |  |
| 1                      | 4.3  |      |      |      |      |      |      | 4.0  |      |      |      | 1     |                 |  |      |  |       |  |
| 2                      | 4.2  |      |      |      |      |      |      |      |      |      |      | 2     |                 |  |      |  |       |  |
| 3                      | 10.5 |      |      |      |      |      |      |      |      |      |      | 3     |                 |  |      |  |       |  |
| 4                      | 4.6  |      |      |      |      |      |      |      |      |      |      | 4     |                 |  |      |  |       |  |
| 5                      |      |      |      |      |      |      |      |      |      |      |      | 5     |                 |  |      |  |       |  |
| 6                      |      |      |      |      |      |      |      | 7.2  |      |      |      | 6     |                 |  |      |  |       |  |
| 7                      |      |      |      |      |      | 1    |      |      |      |      |      | 7     |                 |  |      |  |       |  |
| 8                      |      |      |      |      |      |      |      |      |      |      |      | 8     |                 |  |      |  |       |  |
| 9                      |      |      |      |      |      |      |      |      | 12.0 | 7    |      | 9     |                 |  |      |  |       |  |
| 10                     |      |      |      |      |      |      |      |      | 4.3  |      |      | 10    |                 |  |      |  |       |  |
| 11                     |      |      |      |      |      |      |      |      |      |      |      | 11    |                 |  |      |  |       |  |
| 12                     |      |      |      |      |      |      |      |      | 5.7  |      |      | 12    |                 |  |      |  |       |  |
| 13                     |      |      |      |      |      | 8    |      |      |      |      |      | 13    |                 |  |      |  |       |  |
| 14                     | 2    |      |      |      |      | 6.8  |      | 7.2  |      |      |      | 14    |                 |  |      |  |       |  |
| 15                     |      |      |      |      | 1    |      |      | 15.1 |      |      |      | 15    |                 |  |      |  |       |  |
| 16                     |      |      |      |      |      | 7.7  |      | 7.7  |      |      |      | 16    |                 |  |      |  |       |  |
| 17                     |      |      |      |      | 26.2 |      |      | 17.2 | 2.8  | 9    | 6.2  | 17    |                 |  |      |  |       |  |
| 18                     | 12.0 |      |      |      |      |      |      | 15.2 |      | 4.4  |      | 18    |                 |  |      |  |       |  |
| 19                     |      |      |      |      |      |      |      |      |      |      |      | 19    |                 |  |      |  |       |  |
| 20                     |      | 1.4  |      |      | 3    |      |      |      |      |      |      | 20    |                 |  |      |  |       |  |
| 21                     |      | 6.3  |      |      |      | 2.5  | 2    |      |      | 2.2  |      | 21    |                 |  |      |  |       |  |
| 22                     |      |      |      | 4.2  |      | 11.4 | 1.6  |      |      | 2.4  |      | 22    |                 |  |      |  |       |  |
| 23                     |      | 6.9  |      | 1.0  |      | 4    |      |      |      |      |      | 23    |                 |  |      |  |       |  |
| 24                     |      |      |      |      |      |      |      |      |      |      |      | 24    |                 |  |      |  |       |  |
| 25                     | 45.6 | 16.7 |      |      |      |      |      | 5    |      |      |      | 25    |                 |  |      |  |       |  |
| 26                     |      | 1.3  |      |      |      |      |      | 2.0  |      |      |      | 26    |                 |  |      |  |       |  |
| 27                     | 25.9 |      | 5    |      |      | 1    |      | 8    | 1.3  |      |      | 27    |                 |  |      |  |       |  |
| 28                     |      |      |      |      |      |      |      |      |      |      |      | 28    |                 |  |      |  |       |  |
| 29                     |      |      |      |      |      |      |      |      |      |      |      | 29    |                 |  |      |  |       |  |
| 30                     |      |      | 4    |      |      |      |      |      |      |      |      | 30    |                 |  |      |  |       |  |
| 31                     |      |      |      |      |      |      |      |      |      |      |      | 31    |                 |  |      |  |       |  |
| TOT                    | 76.5 | 30.3 | 0.7  | 6.1  | 26.6 | 30.7 | 1.8  | 62.4 | 22.8 | 12.6 | 6.2  | 2.2   |                 |  |      |  |       |  |
| DISSEMINATION= CHARFAI |      |      |      |      |      |      |      |      |      |      |      | 276.7 |                 |  |      |  |       |  |
| CON + 117              | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   |                 |  |      |  |       |  |
| M J                    | 8    | 5    | 2    | 3    | 3    | 1    | 2    | 10   | 3    | 5    | 1    | 2     |                 |  |      |  |       |  |

[illegible]



STATION 61545

CHARGE: CHARGE

ANNUAL 1981/1982

|              |      | LAT 39° 17' 40" |      |      |      | LONG 76° 12' 50" |      |      |      | ALT 550 M |     |      |                    |
|--------------|------|-----------------|------|------|------|------------------|------|------|------|-----------|-----|------|--------------------|
| NO           | SEPT | OCTO            | NOVE | DECE | JANV | FEBR             | MARS | AVR  | MAY  | JUN       | JUL | AUG  |                    |
| 1            |      |                 |      |      |      |                  |      | 3.5  |      |           |     |      | 1                  |
| 2            | 27.9 |                 |      |      |      |                  |      |      |      |           |     |      | 2                  |
| 3            | 23.4 |                 |      |      |      |                  |      |      |      |           |     |      | 3                  |
| 4            | 19.3 |                 |      |      |      |                  |      |      |      |           |     |      | 4                  |
| 5            |      |                 |      |      |      |                  |      |      |      |           |     |      | 5                  |
| 6            |      |                 |      |      |      |                  |      |      |      |           |     |      | 6                  |
| 7            |      |                 |      |      |      |                  |      |      |      |           |     |      | 7                  |
| 8            |      |                 |      |      |      |                  |      |      | 6.1  |           |     |      | 8                  |
| 9            |      |                 |      |      |      |                  |      |      | 12.2 | 1.1       |     |      | 9                  |
| 10           |      |                 |      |      |      |                  |      |      |      |           |     |      | 10                 |
| 11           |      |                 |      |      |      |                  |      |      | 2.2  |           |     |      | 11                 |
| 12           |      |                 |      |      |      |                  |      |      |      |           |     | 2.2  | 12                 |
| 13           |      |                 |      |      |      |                  |      |      |      |           |     |      | 13                 |
| 14           | 11.4 |                 |      |      |      |                  |      |      |      |           |     |      | 14                 |
| 15           |      |                 |      |      |      |                  |      | 12.1 |      |           |     |      | 15                 |
| 16           |      |                 |      |      |      | 9.2              |      | 3.2  | 4.1  |           |     |      | 16                 |
| 17           |      |                 |      |      |      |                  |      | 2.2  | 5.7  |           |     |      | 17                 |
| 18           | 15.7 |                 |      |      | 23.2 |                  |      | 15.5 |      |           |     |      | 18                 |
| 19           |      |                 |      |      | 4.6  |                  |      | 6.5  |      |           |     |      | 19                 |
| 20           |      |                 |      |      |      |                  |      |      |      |           |     |      | 20                 |
| 21           |      |                 |      |      |      |                  |      |      |      |           |     |      | 21                 |
| 22           |      |                 |      |      |      | 7.2              |      |      |      |           |     | 19.5 | 22                 |
| 23           |      | 2.3             |      |      |      | 5.5              |      |      |      |           |     | 1.2  | 23                 |
| 24           |      | 7.2             |      |      |      |                  |      |      |      |           |     | 2.2  | 24                 |
| 25           | 7.4  | 14.5            |      |      |      | 1.4              |      |      |      |           |     |      | 25                 |
| 26           |      |                 |      |      |      |                  |      |      |      |           |     |      | 26                 |
| 27           |      |                 |      |      |      |                  |      |      | 4.2  |           |     |      | 27                 |
| 28           |      |                 |      |      |      |                  |      | 11.5 |      |           |     |      | 28                 |
| 29           |      |                 |      |      |      |                  |      |      |      |           |     |      | 29                 |
| 30           |      |                 |      |      |      |                  |      |      |      |           |     |      | 30                 |
| 31           |      |                 |      |      |      |                  |      |      |      |           |     |      | 31                 |
| TOT          | 77.1 | 21.2            | 0.0  | 0.0  | 27.5 | 24.1             | 0.0  | 50.5 | 59.0 | 1.1       | 0.0 | 25.1 |                    |
| OBSERVATIONS |      |                 |      |      |      |                  |      |      |      |           |     |      | TOTAL ANNUAL 264.5 |
| CH 1         | 112  | 112             | 112  | 112  | 112  | 112              | 112  | 112  | 112  | 112       | 112 | 112  |                    |
| NO           | 6    | 3               | 1    | 0    | 0    | 4                | 0    | 7    | 6    | 1         | 0   | 4    | 33                 |

STATION 61546

CHARGE: CHARGE

ANNUAL 1981/1982

|                    |     | LAT 39° 17' 40" |      |      |      | LONG 76° 12' 50" |      |      | ALT 550 M |      |     |     |     |     |
|--------------------|-----|-----------------|------|------|------|------------------|------|------|-----------|------|-----|-----|-----|-----|
|                    |     | SEPT            | OCTO | NOVE | DECE | JANV             | FEBR | MARS | AVR       | MAY  | JUN | JUL | AUG |     |
| 1                  | 1   |                 |      |      |      |                  |      |      | 3.5       |      |     |     |     | 1   |
| 2                  | 2   |                 |      |      |      |                  |      |      |           |      |     |     |     | 2   |
| 3                  | 3   |                 |      |      | 6.5  |                  |      |      |           |      |     |     |     | 3   |
| 4                  | 4   |                 |      |      | 2.5  |                  |      |      | 2.4       |      |     |     |     | 4   |
| 5                  | 5   |                 |      |      |      |                  |      |      |           |      |     |     |     | 5   |
| 6                  | 6   |                 |      |      |      |                  |      |      |           |      |     |     |     | 6   |
| 7                  | 7   |                 |      |      |      |                  |      |      |           |      |     |     |     | 7   |
| 8                  | 8   |                 |      |      |      |                  |      |      |           | 3.5  |     |     |     | 8   |
| 9                  | 9   |                 |      |      |      |                  |      |      |           | 25.0 |     |     |     | 9   |
| 10                 | 10  |                 |      |      |      |                  |      |      |           |      |     |     |     | 10  |
| 11                 | 11  |                 |      |      |      |                  |      |      |           | 1.4  |     |     |     | 11  |
| 12                 | 12  |                 |      |      |      |                  |      |      |           |      |     |     |     | 12  |
| 13                 | 13  |                 |      |      |      |                  |      |      |           |      |     |     |     | 13  |
| 14                 | 14  |                 |      |      |      |                  |      |      |           |      |     |     |     | 14  |
| 15                 | 15  |                 |      |      |      |                  |      |      | 3.4       |      |     |     |     | 15  |
| 16                 | 16  |                 |      |      |      |                  |      |      | 4.9       | 3.2  |     |     |     | 16  |
| 17                 | 17  |                 |      |      |      |                  | 1.1  |      | 1.5       |      |     |     |     | 17  |
| 18                 | 18  |                 |      |      |      | 28.5             |      |      | 10.5      |      |     |     |     | 18  |
| 19                 | 19  |                 |      |      |      | 2.3              |      |      | 6.6       |      |     |     |     | 19  |
| 20                 | 20  |                 |      |      |      |                  |      |      |           | 8.8  |     |     |     | 20  |
| 21                 | 21  |                 |      |      |      | 2.2              |      |      |           |      |     |     |     | 21  |
| 22                 | 22  |                 |      |      |      |                  |      |      |           |      |     |     |     | 22  |
| 23                 | 23  |                 |      |      |      | 2.4              | 2.1  | 3.2  |           |      |     |     |     | 23  |
| 24                 | 24  |                 |      |      |      |                  | 1.4  | 2.3  |           |      |     |     |     | 24  |
| 25                 | 25  |                 |      |      |      |                  |      |      | 2.4       |      |     |     |     | 25  |
| 26                 | 26  |                 |      |      |      |                  |      | 2.3  | 12.1      |      |     |     |     | 26  |
| 27                 | 27  |                 |      |      |      |                  | 4.1  | 1.6  | 12.4      |      |     |     |     | 27  |
| 28                 | 28  |                 |      |      |      |                  |      |      | 11.4      |      |     |     |     | 28  |
| 29                 | 29  |                 |      |      |      | 1.0              |      |      |           |      |     |     |     | 29  |
| 30                 | 30  |                 |      |      |      |                  |      |      |           |      |     |     |     | 30  |
| 31                 | 31  |                 |      |      |      |                  |      |      |           |      |     |     |     | 31  |
| TOT                |     |                 |      |      | 6.0  | 38.4             | 14.1 | 9.0  | 31.4      | 59.5 | 0.0 | 0.0 | 0.0 | 31  |
| OBSERVATIONS       |     |                 |      |      |      |                  |      |      |           |      |     |     |     |     |
| TOTAL ANNUAL 100.0 |     |                 |      |      |      |                  |      |      |           |      |     |     |     |     |
| CH 1               | 112 | 112             | 112  | 112  | 112  | 112              | 112  | 112  | 112       | 112  | 112 | 112 | 112 | 112 |
| NO                 | 6   | 3               | 1    | 0    | 0    | 0                | 4    | 0    | 7         | 6    | 1   | 0   | 4   | 4   |



| DATA WDR-19 70 |      |      |      |      |      |      |       |      |      |      |      | LOGS          | SCR. 53 50 | ACT*  | 321 1 |
|----------------|------|------|------|------|------|------|-------|------|------|------|------|---------------|------------|-------|-------|
| SEPT           | OCTO | NOVE | DECE | JANU | FEBR | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT |               |            |       |       |
| 1              |      |      |      |      |      |      |       | 5.0  |      |      |      |               |            |       |       |
| 2              | 11.0 |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 3              |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 4              |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 5              |      |      |      |      | 6.0  |      |       |      |      |      |      |               |            |       |       |
| 6              |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 7              |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 8              |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 9              |      |      |      |      |      |      |       | 6.0  |      |      |      |               |            |       |       |
| 10             |      |      |      |      |      |      |       |      |      |      | 1.0  |               |            |       |       |
| 11             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 12             |      |      |      |      |      |      |       | 5.4  |      |      |      |               |            |       |       |
| 13             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 14             |      |      |      |      | 5.0  |      | 2.0   |      |      |      |      |               |            |       |       |
| 15             |      |      |      | 16.0 |      |      |       |      |      |      |      |               |            |       |       |
| 16             |      |      |      |      |      |      | 3.0   |      |      |      |      |               |            |       |       |
| 17             |      |      |      | 1.0  | 3.0  |      |       |      |      |      |      |               |            |       |       |
| 18             |      |      |      | 22.0 |      | 2.5  | 10.0  |      |      |      |      |               |            |       |       |
| 19             |      |      | 3.0  | 12.0 |      |      | 9.5   |      |      |      |      |               |            |       |       |
| 20             |      | 2.0  |      |      |      |      | 6.0   |      |      |      |      |               |            |       |       |
| 21             |      | 6.0  |      |      |      |      |       |      | 6.0  |      |      |               |            |       |       |
| 22             |      |      |      |      |      | 4.5  |       |      |      |      |      |               |            |       |       |
| 23             |      | 5.0  |      |      | 1.0  |      |       |      |      |      |      |               |            |       |       |
| 24             |      | 5.0  |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 25             |      | 3.0  |      |      | 3.0  | 2.0  |       |      |      |      |      |               |            |       |       |
| 26             |      |      |      |      | 3.0  |      | 2.0   |      |      |      |      |               |            |       |       |
| 27             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 28             |      |      |      |      |      |      | 1.0   |      |      |      |      |               |            |       |       |
| 29             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 30             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| 31             |      |      |      |      |      |      |       |      |      |      |      |               |            |       |       |
| TOT            | 17.0 | 55.0 | 0.0  | 3.0  | 51.0 | 24.5 | 20.0  | 36.0 | 16.4 | 6.0  | 0.0  |               |            |       |       |
| OBSERVATION*   |      |      |      |      |      |      |       |      |      |      |      | TOTAL ANNUEL* |            | 235.4 |       |
| CON *          | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 111  |               |            |       |       |
| N. 1           | 1    | 5    | 1    | 6    | 6    | 3    | 7     | 3    | 1    | 0    | 0    |               |            |       |       |

| STATION 51051              |      | OBSERVING 3     |      |      |       | NUMBER 125121002 |      |            |     |     |     |      |
|----------------------------|------|-----------------|------|------|-------|------------------|------|------------|-----|-----|-----|------|
|                            |      | DATA 2058.15 TO |      |      | LEIGH | NOV. 55 TO       |      | ALPH 132 R |     |     |     |      |
| SEAT                       | OCTO | NOV             | DEC  | JAN  | FEB   | MAR              | APR  | MAY        | JUN | JUL | AUG |      |
| 1                          | .    | .               | 7.5  | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 2                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 3                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 4                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 5                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 6                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 7                          | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 8                          | .    | .               | .    | .    | .     | .                | .    | 3.5        | .   | .   | .   |      |
| 9                          | .    | .               | .    | .    | .     | .                | .    | 3.4        | .   | .   | .   |      |
| 10                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 11                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 12                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 13                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 14                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 15                         | .    | .               | .    | 52.4 | .     | .                | .    | .          | .   | .   | .   |      |
| 16                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 17                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 18                         | .    | .               | .    | 52.4 | .     | 47.7             | 19.4 | .          | .   | .   | .   |      |
| 19                         | .    | .               | .    | 14.7 | .     | .                | 13.7 | .          | .   | .   | .   |      |
| 20                         | .    | 2.4             | .    | .    | .     | 2.7              | .    | .          | .   | .   | .   |      |
| 21                         | .    | .               | .    | .    | .     | 8.8              | .    | .          | .   | .   | .   |      |
| 22                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 23                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 24                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 25                         | .    | 2.7             | .    | .    | .     | .                | 4.6  | .          | .   | .   | .   |      |
| 26                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 27                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 28                         | .    | .               | .    | 8.6  | .     | .                | 2.7  | .          | .   | .   | .   |      |
| 29                         | .    | 7.4             | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 30                         | .    | 4.7             | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| 31                         | .    | .               | .    | .    | .     | .                | .    | .          | .   | .   | .   |      |
| TOT                        | 0.0  | 24.0            | 15.6 | 7.5  | 137.9 | 33               | 55.6 | 43.1       | 88  | 0.0 | 0.0 | 10.0 |
| OBSERVATION: CHARENCE ATIA |      |                 |      |      |       |                  |      |            |     |     |     |      |
| TOTAL ANNUAL: 44444        |      |                 |      |      |       |                  |      |            |     |     |     |      |
| 505 - 117                  | 117  | 502             | 107  | 407  | 127   | 112              | 117  | 233        | 117 | 127 | 158 |      |



| STATION 61957                              |     |      |      |      |       |      |      |      |      |     |     |                     |
|--|-----|------|------|------|-------|------|------|------|------|-----|-----|---------------------|
| WJEBELINA KSAF EL DULCZ                    |     |      |      |      |       |      |      |      |      |     |     |                     |
| AYNEE 1981/1982                            |     |      |      |      |       |      |      |      |      |     |     |                     |
| LAT= 40GR.12 10 LONG= 5GR.57 50 ALT= 122 M |     |      |      |      |       |      |      |      |      |     |     |                     |
| SEPT                                       | OCT | NOV  | DEC  | JAN  | FEB   | MAR  | APR  | MAY  | JUN  | JUL | AUG |                     |
| 1  |     |      |      |      |       |      |      |      |      |     |     | 1                   |
| 2  |     |      |      |      |       |      |      |      |      |     |     | 2                   |
| 3  |     |      |      |      |       |      |      |      |      |     |     | 3                   |
| 4  |     |      |      |      |       |      |      |      |      |     |     | 4                   |
| 5  |     |      |      |      |       |      |      |      |      |     |     | 5                   |
| 6  |     |      |      |      |       |      |      |      |      |     |     | 6                   |
| 7  |     |      |      |      |       |      |      |      |      |     |     | 7                   |
| 8  |     |      |      |      |       |      |      |      |      |     |     | 8                   |
| 9  |     |      |      |      |       |      |      |      |      |     |     | 9                   |
| 10   |     |      |      |      |       |      |      |      |      |     |     | 10                  |
| 11   |     |      |      |      |       |      |      |      |      |     |     | 11                  |
| 12   |     |      |      |      |       |      |      |      |      |     |     | 12                  |
| 13   |     |      |      |      |       |      |      |      |      |     |     | 13                  |
| 14   |     |      |      |      |       |      |      |      |      |     |     | 14                  |
| 15   |     |      |      |      |       |      |      |      |      |     |     | 15                  |
| 16   |     |      |      |      |       |      |      |      |      |     |     | 16                  |
| 17   |     |      |      |      |       |      |      |      |      |     |     | 17                  |
| 18   |     |      |      |      |       |      |      |      |      |     |     | 18                  |
| 19   |     |      |      |      |       |      |      |      |      |     |     | 19                  |
| 20   |     |      |      |      |       |      |      |      |      |     |     | 20                  |
| 21   |     |      |      |      |       |      |      |      |      |     |     | 21                  |
| 22   |     |      |      |      |       |      |      |      |      |     |     | 22                  |
| 23   |     |      |      |      |       |      |      |      |      |     |     | 23                  |
| 24   |     |      |      |      |       |      |      |      |      |     |     | 24                  |
| 25   |     |      |      |      |       |      |      |      |      |     |     | 25                  |
| 26   |     |      |      |      |       |      |      |      |      |     |     | 26                  |
| 27   |     |      |      |      |       |      |      |      |      |     |     | 27                  |
| 28   |     |      |      |      |       |      |      |      |      |     |     | 28                  |
| 29   |     |      |      |      |       |      |      |      |      |     |     | 29                  |
| 30   |     |      |      |      |       |      |      |      |      |     |     | 30                  |
| 31   |     |      |      |      |       |      |      |      |      |     |     | 31                  |
| TOT  | 3.9 | 11.7 | 12.4 | 11.7 | 124.2 | 51.6 | 34.2 | 57.9 | 27.0 | 0.0 | 0.2 | 10.1                |
| OBSERVATIONS TAKEN DAILY                   |     |      |      |      |       |      |      |      |      |     |     | TOTAL ANNUAL= 357.7 |
| CON = 112                                  | 112 | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112 | 112 |                     |
| N J  | 2   | 5    | 4    | 4    | 1     | 5    | 0    | 10   | 4    | 0   | 3   | 51                  |

| STATION 61957                              |     |      |      |      |      |      |      |      |      |      |      |                      |
|--|-----|------|------|------|------|------|------|------|------|------|------|----------------------|
| WJEBELINA KSAF EL DULCZ                    |     |      |      |      |      |      |      |      |      |      |      |                      |
| AYNEE 1981/1982                            |     |      |      |      |      |      |      |      |      |      |      |                      |
| LAT= 40GR.16 20 LONG= 5GR.57 50 ALT= 122 M |     |      |      |      |      |      |      |      |      |      |      |                      |
| SEPT                                       | OCT | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  |                      |
| 1  |     |      |      |      |      |      |      |      |      |      |      | 1                    |
| 2  |     |      |      |      |      |      |      |      |      |      |      | 2                    |
| 3  |     |      |      |      |      |      |      |      |      |      |      | 3                    |
| 4  |     |      |      |      |      |      |      |      |      |      |      | 4                    |
| 5  |     |      |      |      |      |      |      |      |      |      |      | 5                    |
| 6  |     |      |      |      |      |      |      |      |      |      |      | 6                    |
| 7  |     |      |      |      |      |      |      |      |      |      |      | 7                    |
| 8  |     |      |      |      |      |      |      |      |      |      |      | 8                    |
| 9  |     |      |      |      |      |      |      |      |      |      |      | 9                    |
| 10   |     |      |      |      |      |      |      |      |      |      |      | 10                   |
| 11   |     |      |      |      |      |      |      |      |      |      |      | 11                   |
| 12   |     |      |      |      |      |      |      |      |      |      |      | 12                   |
| 13   |     |      |      |      |      |      |      |      |      |      |      | 13                   |
| 14   |     |      |      |      |      |      |      |      |      |      |      | 14                   |
| 15   |     |      |      |      |      |      |      |      |      |      |      | 15                   |
| 16   |     |      |      |      |      |      |      |      |      |      |      | 16                   |
| 17   |     |      |      |      |      |      |      |      |      |      |      | 17                   |
| 18   |     |      |      |      |      |      |      |      |      |      |      | 18                   |
| 19   |     |      |      |      |      |      |      |      |      |      |      | 19                   |
| 20   |     |      |      |      |      |      |      |      |      |      |      | 20                   |
| 21   |     |      |      |      |      |      |      |      |      |      |      | 21                   |
| 22   |     |      |      |      |      |      |      |      |      |      |      | 22                   |
| 23   |     |      |      |      |      |      |      |      |      |      |      | 23                   |
| 24   |     |      |      |      |      |      |      |      |      |      |      | 24                   |
| 25   |     |      |      |      |      |      |      |      |      |      |      | 25                   |
| 26   |     |      |      |      |      |      |      |      |      |      |      | 26                   |
| 27   |     |      |      |      |      |      |      |      |      |      |      | 27                   |
| 28   |     |      |      |      |      |      |      |      |      |      |      | 28                   |
| 29   |     |      |      |      |      |      |      |      |      |      |      | 29                   |
| 30   |     |      |      |      |      |      |      |      |      |      |      | 30                   |
| 31   |     |      |      |      |      |      |      |      |      |      |      | 31                   |
| TOT  | 3.0 | 16.5 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9                 |
| OBSERVATIONS                               |     |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUAL= 122.11 |
| CON = 112                                  | 112 | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |                      |
| N J  | 2   | 5    | 4    | 4    | 1    | 5    | 0    | 10   | 4    | 0    | 3    | 51                   |











|                            | LAT= 39GR, 77 10 |      |     |      | LONG= 66GR, 99 03 |      |      |      | ALT= 712 M |     |     |                     |
|----------------------------|------------------|------|-----|------|-------------------|------|------|------|------------|-----|-----|---------------------|
|                            | SEP              | OCT  | NOV | DECE | JANV              | FEB  | MARS | AVR  | MAY        | JUN | JUL | AUG                 |
| 1                          |                  |      |     |      |                   |      |      | 2.5  |            |     |     |                     |
| 2                          | 4.6              |      |     |      |                   |      |      |      |            |     |     |                     |
| 3                          | 19.1             |      |     | 1.1  |                   |      |      |      |            |     |     |                     |
| 4                          | 14.1             |      |     |      |                   |      |      |      |            |     |     |                     |
| 5                          |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 6                          |                  |      |     |      |                   |      |      | 1.3  |            | 3   |     |                     |
| 7                          |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 8                          |                  |      |     |      |                   |      |      |      | 2.6        |     |     |                     |
| 9                          |                  |      |     |      |                   |      |      |      | 13.1       | 2.3 |     |                     |
| 10                         |                  |      |     |      |                   |      | 6    |      |            |     |     |                     |
| 11                         |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 12                         | 1.7              |      |     |      |                   |      |      |      |            |     |     |                     |
| 13                         | 2.2              |      |     |      |                   | 1.2  |      |      |            |     |     |                     |
| 14                         | 6                |      |     |      |                   | 4.6  |      | 5.4  |            |     |     |                     |
| 15                         |                  |      |     |      |                   |      |      | 10.3 |            |     |     |                     |
| 16                         |                  |      |     |      |                   | 12.7 |      | 5.6  | 2.5        |     |     |                     |
| 17                         |                  |      |     |      |                   |      |      | 1.7  | 12.0       |     |     |                     |
| 18                         | 14.7             |      |     |      | 10.2              |      |      | 5.4  |            |     |     |                     |
| 19                         |                  |      |     |      | 1.2               |      |      | 13.8 |            | 3   |     |                     |
| 20                         |                  |      |     |      |                   |      | 6    |      |            |     |     |                     |
| 21                         |                  |      |     | 1.4  |                   | 3.2  | 5.4  |      | 3          |     |     |                     |
| 22                         |                  |      |     | 2.5  |                   | 6.1  |      |      |            |     |     | 1.1                 |
| 23                         |                  | 1.9  |     |      |                   | 5.7  |      |      |            |     |     | 4                   |
| 24                         |                  | 13.6 |     |      |                   |      |      |      |            |     |     |                     |
| 25                         | 39.5             | 21.5 |     |      |                   |      |      | 6    |            |     |     |                     |
| 26                         |                  |      | 1.2 |      |                   | 1.2  |      | 3.3  |            |     |     |                     |
| 27                         |                  |      |     |      |                   |      |      | 3    | 3.4        |     |     |                     |
| 28                         |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 29                         |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 30                         |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| 31                         |                  |      |     |      |                   |      |      |      |            |     |     |                     |
| TOT                        | 57.0             | 47.2 | 5.2 | 5.0  | 13.4              | 33.0 | 6.6  | 47.3 | 38.9       | 5.4 | 0.3 | 1.5                 |
| OBSERVATIONS PERIOD: TATFF |                  |      |     |      |                   |      |      |      |            |     |     | TOTAL ANNUAL= 257.5 |
| CON 4                      | 112              | 112  | 112 | 112  | 112               | 112  | 112  | 112  | 112        | 112 | 112 | 112                 |
| N J                        | 8                | 3    | 1   | 3    | 2                 | 7    | 3    | 13   | 6          | 3   | 2   | 2                   |

| STATION 62266        |      | FAIRBANKS       |      |      |      | ANNE 1951/1952  |      |      |            |      |     |  |
|----------------------|------|-----------------|------|------|------|-----------------|------|------|------------|------|-----|--|
|                      |      | LARK BGR. 10 IN |      |      |      | LONG BGR. 10 IN |      |      | ALF. 10 IN |      |     |  |
| SEPT                 | OCTO | NOVE            | DECE | JANU | FEB  | MARS            | APR  | MAY  | JUNE       | JULY | AUG |  |
| 1                    | 10.3 |                 |      |      |      |                 | 0.2  |      |            |      |     |  |
| 2                    |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 3                    |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 4                    | 3.2  |                 |      |      |      |                 |      |      |            |      |     |  |
| 5                    |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 6                    |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 7                    |      |                 |      |      |      |                 |      |      | 2.1        |      |     |  |
| 8                    |      |                 |      |      |      |                 |      |      | 2.1        |      |     |  |
| 9                    |      |                 |      |      |      |                 |      |      | 1.7        |      |     |  |
| 10                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 11                   |      |                 |      |      |      |                 |      |      | 3.5        |      |     |  |
| 12                   |      |                 |      |      |      |                 |      |      |            |      | 5.5 |  |
| 13                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 14                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 15                   |      |                 |      |      | 1.1  |                 |      | 8.7  |            |      |     |  |
| 16                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 17                   |      |                 |      |      |      |                 |      | 2.2  |            |      |     |  |
| 18                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 19                   |      |                 |      |      | 9.3  |                 |      | 9.1  |            |      |     |  |
| 20                   |      |                 |      |      | 2.0  |                 |      | 7.2  |            |      |     |  |
| 21                   |      | 2.5             |      |      |      |                 |      |      |            |      |     |  |
| 22                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 23                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 24                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 25                   | 22.0 | 17.2            |      |      | 1.0  |                 |      | 1.7  |            |      |     |  |
| 26                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 27                   | 3.2  |                 |      |      |      |                 |      | 4.3  |            |      |     |  |
| 28                   |      |                 |      |      |      |                 |      | 8.2  |            |      |     |  |
| 29                   |      |                 |      |      |      |                 |      | 9.2  |            |      |     |  |
| 30                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 31                   |      |                 |      |      |      |                 |      |      |            |      |     |  |
| TOT                  | 38.9 | 19.2            | 1.6  | 1.5  | 11.4 | 8.7             | 52.0 | 18.0 | 2.1        | 1.5  | 5.5 |  |
| OBSERVATION = KADDAH |      |                 |      |      |      |                 |      |      |            |      |     |  |
| TOTAL ANNUAL = 182.4 |      |                 |      |      |      |                 |      |      |            |      |     |  |
| 111                  | 112  | 112             | 112  | 112  | 112  | 112             | 112  | 112  | 112        | 112  | 112 |  |







LAW 305R.37 CS

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AG 2-31-90

ALT = 350 M

|                          | SEP  | OCT  | NOV | DECE | JANV | FEBR | MARS | AVRIL | MAI  | JUIN | JUIL | AUG                 |
|--------------------------|------|------|-----|------|------|------|------|-------|------|------|------|---------------------|
| 1                        | 3.5  | .    | .   | .    | .    | .    | .    | 1.6   | .    | .    | .    | .                   |
| 2                        | 1.4  | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 3                        | .    | .    | .   | 3.7  | .    | .    | .    | .     | .    | .    | .    | .                   |
| 4                        | 1.7  | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 5                        | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 6                        | .    | .    | .   | .    | .    | 1.2  | .    | 2.2   | .    | .    | .    | .                   |
| 7                        | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 8                        | .    | .    | .   | .    | .    | .    | .    | .     | 3.0  | .    | .    | .                   |
| 9                        | .    | .    | .   | .    | .    | .    | .    | .     | 7.0  | .    | .    | .                   |
| 10                       | .    | .    | 2   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 11                       | .    | .    | .   | .    | .    | .    | .    | .     | 7.5  | .    | .    | .                   |
| 12                       | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 13                       | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 14                       | .    | .    | .   | .    | 1.3  | .    | .    | 2.7   | .    | .    | .    | .                   |
| 15                       | .    | .    | .   | .    | 1.0  | .    | .    | 6.2   | .    | .    | .    | .                   |
| 16                       | .    | .    | .   | .    | .    | 3.4  | .    | .     | .    | .    | .    | .                   |
| 17                       | .    | .    | .   | .    | .    | .    | .    | 1.7   | .    | .    | .    | .                   |
| 18                       | 15.5 | .    | .   | .    | 15.3 | .    | 2.1  | 10.9  | .    | .    | 4.3  | .                   |
| 19                       | .    | .    | .   | .    | 6.4  | .    | .    | 14.5  | .    | .    | .    | .                   |
| 20                       | .    | 2.7  | .   | .    | .    | 1.7  | 2.7  | .     | .    | .    | .    | .                   |
| 21                       | .    | 1.4  | .   | .    | .    | .    | 2.5  | .     | .    | .    | .    | .                   |
| 22                       | .    | .    | .   | 6.8  | .    | 8.4  | .    | 4.7   | .    | .    | .    | .                   |
| 23                       | .    | 2.6  | .   | .    | .    | 1.9  | .    | .     | .    | .    | .    | .                   |
| 24                       | .    | 3.2  | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 25                       | 2.4  | 73.5 | .   | .    | .    | .    | .    | 2.5   | .    | .    | .    | .                   |
| 26                       | .    | .    | .   | .    | .    | 1.7  | .    | 1.3   | .    | .    | .    | .                   |
| 27                       | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 28                       | .    | .    | .   | .    | .    | .    | .    | 3.0   | .    | .    | .    | .                   |
| 29                       | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| 30                       | .    | .    | .   | .    | .    | .    | .    | 1.5   | .    | .    | .    | .                   |
| 31                       | .    | .    | .   | .    | .    | .    | .    | .     | .    | .    | .    | .                   |
| TOT                      | 34.5 | 30.4 | 0.6 | 10.5 | 24.2 | 17.1 | 3.6  | 45.7  | 23.6 | 2.0  | 4.5  | 0.3                 |
| OBSERVATEUR: NAME: TILIT |      |      |     |      |      |      |      |       |      |      |      | TOTAL ANNUEL: 122.4 |
| COT + 112                | 112  | 112  | 112 | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112                 |
| N J                      | 5    | 5    | 1   | 2    | 3    | 3    | 5    | 11    | 4    | 0    | 1    | 2                   |

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[illegible]



STATION 65035

HARRISBURG, PA

ANNEX 1951/1952

|                      |     | LATN 39°28.65' N |     |     |      | LONGN 76°49.10' W |      |      |      | ALTA 120 M |     |     |                    |
|----------------------|-----|------------------|-----|-----|------|-------------------|------|------|------|------------|-----|-----|--------------------|
|                      |     | SEPT             | OCT | NOV | DECE | JANU              | FEBR | MARS | AVRI | MAI        | JUN | JUL | AGO                |
| 1                    | 1.5 |                  |     |     |      |                   |      |      | 5.3  |            |     |     |                    |
| 2                    |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 3                    |     |                  |     |     | 1.1  |                   |      |      |      |            |     |     |                    |
| 4                    | 1.4 |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 5                    | 2.5 |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 6                    |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 7                    |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 8                    |     |                  |     |     |      |                   |      |      |      | 4.1        |     |     |                    |
| 9                    |     |                  |     |     |      |                   |      |      |      | 5.7        |     |     |                    |
| 10                   |     |                  |     |     |      |                   |      |      |      |            | 1.9 |     |                    |
| 11                   |     |                  |     |     |      |                   |      |      |      | 5.9        |     |     |                    |
| 12                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 13                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 14                   |     |                  |     |     |      | 6.6               |      |      | 1.8  |            |     |     |                    |
| 15                   |     |                  |     |     |      | 11.0              |      |      | 3.8  |            |     |     |                    |
| 16                   |     |                  |     |     |      |                   | 4.9  |      |      |            |     |     |                    |
| 17                   |     |                  |     |     |      |                   |      |      | 8.5  |            |     |     |                    |
| 18                   | 1.7 |                  |     |     |      | 14.5              |      | 1.7  | 13.8 |            |     |     |                    |
| 19                   |     |                  |     |     |      | 7.5               |      |      | 15.0 |            |     |     |                    |
| 20                   |     |                  | 7.3 |     |      |                   | 4.4  |      |      |            | 7.5 |     |                    |
| 21                   |     |                  |     |     |      |                   |      |      |      |            | 1.3 |     |                    |
| 22                   |     |                  |     |     |      |                   |      |      |      | 1.2        |     |     |                    |
| 23                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 24                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 25                   | 1.6 | 25.8             |     |     |      |                   |      | 6.2  | 1.4  |            |     |     |                    |
| 26                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 27                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 28                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 29                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 30                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| 31                   |     |                  |     |     |      |                   |      |      |      |            |     |     |                    |
| TOT                  | 5.2 | 35.2             | 1.5 | 2.5 | 35.0 | 16.1              | 5.4  | 55.3 | 18.3 | 14.9       | 7.0 | 4.4 |                    |
| OBSERVATIONS MONTHLY |     |                  |     |     |      |                   |      |      |      |            |     |     | TOTAL ANNUAL 205.3 |
| CON                  | 112 | 112              | 112 | 112 | 112  | 112               | 112  | 112  | 112  | 112        | 112 | 112 |                    |
| N J                  | 4   | 4                | 2   | 2   | 5    | 3                 | 5    | 13   | 4    | 4          | 3   | 2   | 50                 |

STATION 65071

HARRISBURG, PA

ANNEX 1951/1952

|                      |     | LATN 39°28.36' N |      |      |      | LONGN 76°47.11' W |      |      | ALTA 120 M |      |      |      |      |                    |
|----------------------|-----|------------------|------|------|------|-------------------|------|------|------------|------|------|------|------|--------------------|
|                      |     | SEPT             | OCTO | NOVE | DECE | JANU              | FEBR | MARS | AVRI       | MAI  | JUNJ | JULJ | AGO  |                    |
| 1                    | 2.6 |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 2                    | 8.3 |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 3                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 4                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 5                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 6                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 7                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 8                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 9                    |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 10                   |     |                  |      |      |      |                   |      |      |            | 11.5 |      |      |      |                    |
| 11                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 12                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 13                   |     |                  |      |      |      |                   |      |      |            | 5.6  |      |      |      |                    |
| 14                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 15                   |     |                  |      |      |      | 1.5               |      |      |            |      |      |      |      |                    |
| 16                   |     |                  |      |      |      |                   |      |      | 5.5        |      |      |      |      |                    |
| 17                   |     |                  |      |      |      | 6.2               |      |      |            |      |      |      |      |                    |
| 18                   |     |                  |      |      |      |                   |      |      | 11.3       |      |      |      |      |                    |
| 19                   |     |                  |      |      |      | 3.4               |      |      | 10.5       |      |      |      |      |                    |
| 20                   |     |                  | 3.4  |      |      |                   |      |      | 12.0       |      |      |      |      |                    |
| 21                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 22                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 23                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 24                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 25                   | 3.4 | 26.2             |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 26                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 27                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 28                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 29                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 30                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| 31                   |     |                  |      |      |      |                   |      |      |            |      |      |      |      |                    |
| TOT                  | 24  | 29.6             | 7.1  | 2.2  | 4.4  | 2.5               | 11   | 41   | 44         | 44   | 21.0 | 41   | 31.3 |                    |
| OBSERVATIONS MONTHLY |     |                  |      |      |      |                   |      |      |            |      |      |      |      | TOTAL ANNUAL 222.4 |
| CON                  | 112 | 112              | 112  | 112  | 112  | 112               | 112  | 112  | 112        | 112  | 112  | 112  | 112  |                    |
| N J                  | 4   | 4                | 2    | 2    | 5    | 3                 | 5    | 13   | 4          | 4    | 3    | 2    | 50   |                    |



|                              | LAT: 30N, 52 10 |      |     |      | LONG: 80W, 25 40 |      |     |      | ALPH: 18.0 P |     |     |       |
|------------------------------|-----------------|------|-----|------|------------------|------|-----|------|--------------|-----|-----|-------|
|                              | SEPT            | OCTO | NOV | DECE | JANU             | FEB  | MAR | APR  | MAY          | JUN | JUL | AUG   |
| 1                            | 2.2             | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 2                            | 1.0             | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 3                            | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 4                            | 2.0             | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 5                            | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 6                            | .               | .    | .   | .    | .                | 3.7  | .   | .    | .            | .   | .   | .     |
| 7                            | .               | .    | 2.0 | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 8                            | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 9                            | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 10                           | .               | .    | .   | .    | .                | .    | .   | .    | 5.8          | .   | .   | .     |
| 11                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 12                           | .               | .    | .   | .    | .                | .    | .   | .    | 5.7          | .   | .   | .     |
| 13                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 14                           | .               | .    | .   | .    | .                | 4.6  | .   | .    | .            | .   | .   | .     |
| 15                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 16                           | .               | .    | .   | .    | 2.5              | .    | .   | .    | .            | .   | .   | .     |
| 17                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 18                           | .               | .    | .   | .    | .                | .    | 3.2 | .    | .            | .   | .   | .     |
| 19                           | .               | .    | .   | .    | 21.0             | .    | .   | 9.6  | .            | .   | .   | .     |
| 20                           | .               | .    | .   | .    | 2.1              | .    | .   | 11.0 | .            | 5.7 | .   | .     |
| 21                           | .               | .    | .   | .    | .                | .    | 4.0 | .    | .            | .   | .   | .     |
| 22                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 23                           | .               | 5.9  | .   | 5.5  | .                | 1.6  | .   | .    | .            | .   | .   | .     |
| 24                           | .               | 9.0  | .   | .    | .                | 3.2  | .   | .    | .            | .   | .   | .     |
| 25                           | 1.3             | 27.2 | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 26                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 27                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 28                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 29                           | .               | .    | .   | .    | 2.0              | .    | .   | 5.5  | .            | .   | .   | .     |
| 30                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| 31                           | .               | .    | .   | .    | .                | .    | .   | .    | .            | .   | .   | .     |
| TOT                          | 6.5             | 11.1 | 2.1 | 5.5  | 37.3             | 13.5 | 7.7 | 26.1 | 15.7         | 5.7 | 0.0 | 7.0   |
| OBSERVATION= CHITLUM TSHANED |                 |      |     |      |                  |      |     |      |              |     |     |       |
| TOTAL AMPL                   |                 |      |     |      |                  |      |     |      |              |     |     | 147.2 |
| CO + 112                     | 112             | 112  | 112 | 112  | 112              | 112  | 112 | 112  | 112          | 112 | 112 | 112   |
| N J                          | 4               | 3    | 3   | 1    | 4                | 4    | 2   | 3    | 7            | 1   | 2   | 3     |

[illegible]



STATION 51217

HEAVY-TEMP. (SERIAL)

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|              | DATA 30CR-44 20 |      |      |      | LOFCH- 204.55 60 |      |      |       | AITE- 450 M |      |      |      |              |
|--------------|-----------------|------|------|------|------------------|------|------|-------|-------------|------|------|------|--------------|
|              | SEPT            | OCTO | NOVE | DECE | JANV             | FEBV | MARS | AVRIL | MAI         | JUIN | JUIL | AOUT |              |
| 1            | 7.5             | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 1            |
| 2            | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 2            |
| 3            | 1.0             | .    | .    | .    | .                | .    | .    | 3.0   | .           | .    | .    | .    | 3            |
| 4            | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 4            |
| 5            | 1.0             | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 5            |
| 6            | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 6            |
| 7            | .               | .    | .    | .    | .                | .    | .    | 2.0   | .           | 3.5  | .    | .    | 7            |
| 8            | .               | .    | .    | .    | .                | .    | .    | .     | 8.0         | .    | .    | .    | 8            |
| 9            | .               | .    | .    | .    | .                | .    | .    | .     | 12.0        | .    | .    | .    | 9            |
| 10           | .               | .    | .    | .    | .                | .    | 8.0  | .     | .           | .    | .    | .    | 10           |
| 11           | .               | .    | .    | .    | .                | .    | .    | .     | 1.5         | .    | .    | .    | 11           |
| 12           | .               | .    | .    | .    | .                | .    | .    | .     | 12.5        | .    | .    | .    | 12           |
| 13           | .               | .    | .    | 5.5  | .                | .    | .    | .     | .           | .    | .    | .    | 13           |
| 14           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 14           |
| 15           | .               | .    | .    | .    | .                | 5.5  | .    | 1.5   | .           | .    | .    | .    | 15           |
| 16           | .               | .    | .    | .    | 4.0              | .    | .    | 3.5   | .           | .    | .    | .    | 16           |
| 17           | .               | .    | .    | .    | .                | 4.5  | .    | .     | .           | .    | .    | 15.0 | 17           |
| 18           | .               | .    | .    | .    | 15.0             | .    | .    | 16.0  | 5.0         | .    | .    | .    | 18           |
| 19           | .               | .    | .    | .    | 1.5              | .    | .    | 15.0  | 8.0         | .    | .    | .    | 19           |
| 20           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 20           |
| 21           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 21           |
| 22           | .               | 2.0  | .    | .    | .                | .    | .    | .     | .           | .    | .    | 14.0 | 22           |
| 23           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 23           |
| 24           | .               | 2.0  | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 24           |
| 25           | .               | 4.0  | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 25           |
| 26           | 17.5            | 20.5 | .    | .    | .                | .    | 22.5 | .     | 12.0        | .    | .    | 16.5 | 26           |
| 27           | .               | .    | .    | .    | .                | 2.0  | .    | .     | 3.0         | .    | .    | .    | 27           |
| 28           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 28           |
| 29           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 29           |
| 30           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 30           |
| 31           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 31           |
| TOT          | 27.0            | 37.5 | 0.0  | 5.5  | 20.5             | 12.0 | 15.5 | 14.7  | 62.0        | 5.5  | 0.0  | 55.0 |              |
| OBSERVATIONS |                 |      |      |      |                  |      |      |       |             |      |      |      | TOTAL ANNUAL |
|              |                 |      |      |      |                  |      |      |       |             |      |      |      | 273.5        |
| COH + 112    | 112             | 112  | 112  | 112  | 112              | 112  | 112  | 112   | 112         | 112  | 112  | 112  |              |
| N J          | 4               | 4    | 0    | 1    | 3                | 1    | 2    | 6     | 3           | 1    | 0    | 3    | 35           |

STATION 51221

HEAVY-TEMP. (SERIAL)

ANNEE 1951/1952

|              | DATA 40GR-02 20 |      |      |      | LOFCH- 204.52 20 |      |      |       | AITE- 450 M |      |      |      |              |
|--------------|-----------------|------|------|------|------------------|------|------|-------|-------------|------|------|------|--------------|
|              | SEPT            | OCTO | NOVE | DECE | JANV             | FEBV | MARS | AVRIL | MAI         | JUIN | JUIL | AOUT |              |
| 1            | .               | .    | .    | .    | .                | .    | .    | 2.0   | .           | .    | .    | .    | 1            |
| 2            | 5.0             | .    | .    | .    | .                | .    | .    | 2.0   | .           | .    | .    | .    | 2            |
| 3            | .               | .    | .    | 1.0  | .                | .    | .    | .     | .           | .    | .    | .    | 3            |
| 4            | .               | .    | .    | 3.0  | .                | .    | .    | .     | .           | .    | .    | .    | 4            |
| 5            | 1.5             | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 5            |
| 6            | .               | .    | .    | .    | .                | 1.0  | .    | .     | .           | .    | .    | .    | 6            |
| 7            | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 7            |
| 8            | .               | .    | .    | .    | .                | .    | .    | .     | 3.0         | .    | .    | .    | 8            |
| 9            | .               | .    | .    | .    | .                | .    | .    | .     | 5.0         | .    | .    | .    | 9            |
| 10           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 10           |
| 11           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 11           |
| 12           | .               | .    | .    | .    | .                | .    | .    | .     | 4.5         | .    | .    | .    | 12           |
| 13           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 13           |
| 14           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 14           |
| 15           | .               | .    | 1.5  | .    | .                | 11.5 | .    | 21.0  | .           | .    | .    | .    | 15           |
| 16           | .               | .    | 1.0  | .    | 50.0             | .    | .    | .     | .           | .    | .    | .    | 16           |
| 17           | .               | .    | .    | .    | 1.0              | .    | .    | .     | .           | .    | .    | 1.0  | 17           |
| 18           | .               | .    | .    | .    | 26.0             | .    | 24.5 | 11.0  | .           | .    | .    | .    | 18           |
| 19           | .               | .    | .    | .    | 1.0              | .    | .    | 8.5   | .           | .    | .    | .    | 19           |
| 20           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 20           |
| 21           | .               | .    | .    | .    | .                | .    | 0.5  | .     | .           | .    | .    | .    | 21           |
| 22           | .               | .    | .    | 2.5  | .                | .    | 1.5  | .     | 2.0         | .    | .    | .    | 22           |
| 23           | .               | .    | .    | 2.0  | .                | .    | .    | .     | .           | .    | .    | .    | 23           |
| 24           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 24           |
| 25           | 9.0             | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | 25.0 | 25           |
| 26           | .               | 17.0 | .    | .    | .                | .    | .    | 6.7   | .           | .    | .    | .    | 26           |
| 27           | .               | 1.0  | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 27           |
| 28           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 28           |
| 29           | .               | .    | .    | .    | 2.0              | .    | .    | 3.5   | .           | .    | .    | .    | 29           |
| 30           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 30           |
| 31           | .               | .    | .    | .    | .                | .    | .    | .     | .           | .    | .    | .    | 31           |
| TOT          | 19.1            | 20.1 | 3.1  | 5.5  | 82.5             | 11.5 | 16.0 | 17.7  | 15.7        | 0.5  | 0.0  | 25.7 |              |
| OBSERVATIONS |                 |      |      |      |                  |      |      |       |             |      |      |      | TOTAL ANNUAL |
|              |                 |      |      |      |                  |      |      |       |             |      |      |      | 203.2        |
| COH + 112    | 112             | 112  | 112  | 112  | 112              | 112  | 112  | 112   | 112         | 112  | 112  | 112  |              |
| N J          | 4               | 4    | 0    | 1    | 3                | 1    | 2    | 6     | 3           | 1    | 0    | 3    | 35           |



|                             | LAT. 39° 33' 00" |      |     |      | LONG. 75° 13' |      |     |      | ALT. 345 M |     |     |                     |
|-----------------------------|------------------|------|-----|------|---------------|------|-----|------|------------|-----|-----|---------------------|
|                             | SEPT             | OCTO | NOV | DECE | JANU          | FEBR | MAR | APR  | MAY        | JUN | JUL | AUG                 |
| 1                           | -                | -    | -   | -    | -             | -    | -   | 5.6  | -          | -   | -   | -                   |
| 2                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 3                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 4                           | 41.7             | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 5                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 6                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 7                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 8                           | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 9                           | -                | -    | -   | -    | -             | -    | -   | -    | 5.0        | -   | -   | -                   |
| 10                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 11                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 12                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 13                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 14                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 15                          | -                | -    | -   | -    | -             | -    | -   | 15.7 | -          | -   | -   | -                   |
| 16                          | -                | -    | -   | -    | 21.5          | 21.8 | -   | -    | 13.2       | -   | -   | -                   |
| 17                          | -                | -    | -   | -    | -             | -    | -   | -    | 30.4       | -   | -   | -                   |
| 18                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 19                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 20                          | -                | -    | -   | -    | -             | -    | -   | 14.7 | -          | -   | -   | -                   |
| 21                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 22                          | -                | -    | -   | -    | -             | 7.6  | -   | -    | 16.1       | -   | -   | -                   |
| 23                          | -                | -    | -   | 5.5  | -             | -    | -   | -    | -          | -   | -   | 12.4                |
| 24                          | -                | 12.4 | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 25                          | -                | 20.5 | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 26                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 27                          | -                | -    | -   | -    | -             | -    | -   | -    | 12.2       | -   | -   | -                   |
| 28                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 29                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 30                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| 31                          | -                | -    | -   | -    | -             | -    | -   | -    | -          | -   | -   | -                   |
| TOT                         | 41.7             | 32.9 | 7.0 | 5.5  | 21.5          | 29.7 | 6.0 | 34.0 | 104.9      | 5.0 | 0.0 | 12.4                |
| OBSERVATIONS DURING SOLTARE |                  |      |     |      |               |      |     |      |            |     |     | TOTAL ANNUAL= 372.7 |
| CON. 122                    | 112              | 112  | 112 | 112  | 112           | 112  | 112 | 112  | 112        | 112 | 112 | 112                 |
| N. 1                        | 2                | 2    | 1   | 1    | 2             | 2    | 3   | 5    | "          | 1   | 1   | 14                  |

| STATION 63474        |      | JULIENNE ECLE |      |      |      | LAT= 39NR, 55 40 |      | LONG= 76R, 45 45 |      | ANNO 1981/1982 |      | ALT= 610 M |     |      |                     |
|----------------------|------|---------------|------|------|------|------------------|------|------------------|------|----------------|------|------------|-----|------|---------------------|
|                      | SEPT | OCTO          | NOVE | DECE | JANV | FEBV             | MARS | AVRI             | MAI  | JUIN           | JUIL | AOUT       | NOV | DECE | TOTAL               |
| 1                    | +    |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 1                   |
| 2                    | +    |               |      |      |      |                  |      | 9.0              |      |                |      |            |     |      | 2                   |
| 3                    | 2.0  |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 3                   |
| 4                    | 4.0  |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 4                   |
| 5                    | 8.0  |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 5                   |
| 6                    |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 6                   |
| 7                    |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 7                   |
| 8                    |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 8                   |
| 9                    |      |               |      |      |      |                  |      |                  | 5.4  |                |      |            |     |      | 9                   |
| 10                   |      |               |      |      |      |                  |      |                  | 7.2  |                |      |            |     |      | 10                  |
| 11                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 11                  |
| 12                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 12                  |
| 13                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 13                  |
| 14                   |      |               |      |      |      | 5.0              |      | 4.3              |      |                |      |            |     |      | 14                  |
| 15                   |      |               |      |      |      |                  |      | 4.1              |      |                |      |            |     |      | 15                  |
| 16                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 16                  |
| 17                   |      |               |      |      |      | 2.6              |      | 5.0              |      |                |      |            |     |      | 17                  |
| 18                   |      |               |      |      |      |                  |      | 9.4              |      |                |      |            |     |      | 18                  |
| 19                   | 2.5  |               |      |      | 22.0 |                  |      |                  |      |                |      |            |     |      | 19                  |
| 20                   |      |               |      |      |      |                  |      | 22.5             |      |                |      |            |     |      | 20                  |
| 21                   |      |               |      |      |      | 2.6              |      |                  |      |                |      |            |     |      | 21                  |
| 22                   |      |               |      |      |      | 2.0              | 10.6 |                  | 14.0 |                |      |            |     |      | 22                  |
| 23                   |      |               |      |      |      | 3.1              |      |                  |      |                |      |            |     |      | 23                  |
| 24                   |      |               |      |      |      | 5.7              |      |                  |      |                |      |            |     |      | 24                  |
| 25                   |      | 5.5           |      |      |      |                  |      |                  |      |                |      |            |     |      | 25                  |
| 26                   | 3.0  | 25.5          |      |      |      |                  | 5.8  |                  |      |                |      |            |     |      | 26                  |
| 27                   |      |               |      |      |      | 1.1              |      |                  |      |                |      |            |     |      | 27                  |
| 28                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 28                  |
| 29                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 29                  |
| 30                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 30                  |
| 31                   |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | 31                  |
| TOT                  | 20.7 | 34.8          | 3.1  | 4.5  | 22.0 | 12.8             | 12.4 | 36.1             | 11.5 | 5.0            | 0.7  | 17.5       |     |      | 124.3               |
| SUSCZATEK= 413 SHELL |      |               |      |      |      |                  |      |                  |      |                |      |            |     |      | TOTAL ANNUEL= 224.3 |
| CON                  | 112  | 117           | 112  | 112  | 117  | 117              | 112  | 117              | 112  | 117            | 112  | 117        | 112 | 117  | 112                 |











| KASSELNHEIMER                   |      |      |      |      |      |               |     |      |      |     |      |
|---------------------------------|------|------|------|------|------|---------------|-----|------|------|-----|------|
| DATA SUMMARY                    |      |      |      |      |      | ANNUAL TOTALS |     |      |      |     |      |
| SLPT.                           | OCCT | NOVE | DECE | JANU | FEBR | MAR           | APR | MAY  | JUN  | JUL | AGST |
| 1                               | 1.3  |      |      |      |      |               |     |      |      |     |      |
| 2                               | 1.4  |      |      |      |      |               |     |      |      |     |      |
| 3                               | 1.3  |      |      |      |      |               |     | 10.5 |      |     |      |
| 4                               | 23.9 |      | 1.1  |      |      |               |     |      |      |     |      |
| 5                               |      |      |      |      |      |               |     |      |      |     |      |
| 6                               | 2.2  |      |      |      |      |               |     |      |      |     |      |
| 7                               |      |      |      |      |      |               |     |      |      |     |      |
| 8                               |      |      |      |      |      |               |     | 3.8  | 2.6  |     |      |
| 9                               |      |      |      |      |      |               |     |      | 7.5  |     |      |
| 10                              |      |      |      |      |      |               |     | 11.7 | 1.3  |     |      |
| 11                              |      |      |      |      |      |               |     |      |      |     |      |
| 12                              |      |      |      |      |      |               |     | 2.3  |      |     |      |
| 13                              |      |      |      |      |      |               |     |      |      |     |      |
| 14                              | 1.4  |      |      |      |      |               |     |      |      |     |      |
| 15                              |      |      |      |      |      |               |     | 2.6  |      |     |      |
| 16                              |      |      |      |      |      |               |     | 2.9  |      |     |      |
| 17                              |      |      |      |      | 10.3 |               |     |      | 1.7  |     |      |
| 18                              | 2.7  |      |      |      |      |               |     | 11.4 |      |     |      |
| 19                              |      |      |      | 20.9 |      |               |     | 23.4 |      |     |      |
| 20                              |      |      |      | 6.3  |      |               |     | 8.4  | 1.4  |     |      |
| 21                              |      |      |      |      |      |               |     |      |      |     |      |
| 22                              |      |      |      |      | 1.8  |               |     |      |      |     |      |
| 23                              |      |      | 3.2  |      | 2.4  |               |     |      |      |     |      |
| 24                              |      |      |      |      |      |               |     |      |      |     |      |
| 25                              | 6.1  | 15.6 |      |      |      |               |     |      |      |     |      |
| 26                              |      |      |      |      |      |               |     | 1.3  |      |     |      |
| 27                              |      |      |      |      |      |               |     | 3.4  |      |     |      |
| 28                              |      |      |      |      |      |               |     | 8.6  |      |     |      |
| 29                              |      |      |      |      |      |               |     | 1.3  |      |     |      |
| 30                              |      |      |      |      |      |               |     |      |      |     |      |
| 31                              |      |      |      |      |      |               |     |      |      |     |      |
| TOT                             | 47.7 | 17.9 | 0.4  | 4.3  | 26.8 | 12.4          | 0.7 | 71.4 | 33.1 | 5.1 | 0.3  |
| DSCHWAEHER BRAHNS KASSELNHEIMER |      |      |      |      |      |               |     |      |      |     |      |
| CON = 112                       | 112  | 112  | 112  | 112  | 112  | 112           | 112 | 112  | 112  | 112 | 112  |
| N J                             | 9    | 1    | 2    | 2    | 1    | 12            | 5   | 3    | 3    | 6   | 5    |
| TOTAL ANNUAL 237.1              |      |      |      |      |      |               |     |      |      |     |      |

| STATION 47642      |      | VESSEL 4010 |      | DATE 1968.7.1 TO |     | LONG- TOP. 70.00 |     | ANNEE 1971/1982 |     | ALIM 1000 M |     |     |     |
|--------------------|------|-------------|------|------------------|-----|------------------|-----|-----------------|-----|-------------|-----|-----|-----|
| SECT               | DATE | NAME        | TYPE | JANU             | FEV | MARS             | AVR | MAT             | JUN | JUL         | AOU |     |     |
| 1                  | 1.2  |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 2                  | 5.0  |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 3                  | 14.0 |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 4                  | 11.0 |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 5                  |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 6                  |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 7                  |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 8                  |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 9                  |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 10                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 11                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 12                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 13                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 14                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 15                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 16                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 17                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 18                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 19                 | 24.7 |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 20                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 21                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 22                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 23                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 24                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 25                 | 7.7  |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 26                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 27                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 28                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 29                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 30                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| 31                 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| TOT                | 67.6 |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| OBSERVATION        |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |
| COM                | 112  | 112         | 112  | 112              | 112 | 112              | 112 | 112             | 112 | 112         | 112 | 112 | 112 |
| TOTAL ANNEE = 52.6 |      |             |      |                  |     |                  |     |                 |     |             |     |     |     |











STATION 60547

NORTH

ANNEE 1981/1982

207

|      |      | LAT+ LONG. 65 60 |      | LONG+ TGR. 75 50 |      | ALT+ 555 M |       |     |      |      |      |
|------|------|------------------|------|------------------|------|------------|-------|-----|------|------|------|
| SEPT | OCTO | NOV              | DEC  | JANV             | FEBV | MARS       | AVRIL | MAI | JUIN | JUIL | AOUT |
| 1    |      |                  |      |                  |      |            | 6.5   |     |      |      | 1    |
| 2    |      |                  |      |                  |      |            |       |     |      |      | 2    |
| 3    |      |                  |      |                  |      |            |       |     |      |      | 3    |
| 4    |      |                  |      |                  |      |            |       |     |      |      | 4    |
| 5    |      |                  |      |                  |      |            |       |     |      |      | 5    |
| 6    |      |                  |      |                  |      |            | 6.4   |     |      |      | 6    |
| 7    |      |                  |      |                  |      |            | 2.3   |     |      |      | 7    |
| 8    |      |                  |      |                  |      |            |       |     |      |      | 8    |
| 9    |      |                  |      |                  |      |            |       |     |      |      | 9    |
| 10   |      |                  |      |                  |      |            |       |     |      |      | 10   |
| 11   |      |                  |      |                  |      |            |       |     |      |      | 11   |
| 12   |      |                  |      |                  |      |            |       |     |      |      | 12   |
| 13   |      |                  |      |                  |      |            | 13.5  |     |      |      | 13   |
| 14   | 8.3  |                  |      | 13.0             | 2.5  |            | 3.5   |     |      |      | 14   |
| 15   |      |                  |      |                  |      |            |       |     |      |      | 15   |
| 16   |      |                  |      |                  | 7.3  |            | 2.0   |     |      |      | 16   |
| 17   |      |                  |      |                  |      |            | 11.0  |     |      |      | 17   |
| 18   |      |                  |      | 31.0             |      | 5.5        | 13.0  |     |      |      | 18   |
| 19   |      |                  |      | 3.2              |      |            | 70.0  |     | 70.3 |      | 19   |
| 20   |      |                  |      | 2.5              | 15.5 |            |       |     |      |      | 20   |
| 21   |      |                  |      |                  |      | 8.2        |       |     |      |      | 21   |
| 22   |      |                  | 7.4  |                  | 4.7  |            |       |     |      |      | 22   |
| 23   |      |                  |      |                  | 1.6  |            |       |     |      |      | 23   |
| 24   |      |                  |      |                  |      |            |       |     |      |      | 24   |
| 25   | 15.5 | 1.20             |      |                  |      | 5.2        |       |     |      |      | 25   |
| 26   |      | 16.0             |      |                  |      |            |       |     |      |      | 26   |
| 27   |      |                  |      |                  |      |            |       |     |      |      | 27   |
| 28   |      |                  | 1.9  |                  |      |            |       |     |      |      | 28   |
| 29   |      |                  | 1.6  |                  |      |            |       |     |      |      | 29   |
| 30   |      |                  | 1.6  |                  |      |            |       |     |      |      | 30   |
| 31   |      |                  |      |                  |      |            |       |     |      |      | 31   |
| TOT  | 26.7 | 70.7             | 52.6 | 7.4              | 46.7 | 10.7       | 74.1  | 8.4 | 79.3 | 0.3  | 0.0  |

OBSERVATIONS MONTHES TAIEE

TOTAL ANNUEL 1941.4

| CON | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| N J | 2   | 3   | 3   | 1   | 4   | 2   | 3   | 4   | 1   | 3   | 0   |

STATION 64660

NORTH

ANNEE 1981/1982

|      |      | LAT+ LONG. 65 60 |     | LONG+ TGR. 75 50 |      | ALT+ 555 M |       |      |      |      |      |
|------|------|------------------|-----|------------------|------|------------|-------|------|------|------|------|
| SEPT | OCTO | NOV              | DEC | JANV             | FEBV | MARS       | AVRIL | MAI  | JUIN | JUIL | AOUT |
| 1    |      |                  |     |                  |      |            |       |      |      |      | 1    |
| 2    |      |                  |     |                  |      |            | 25.5  |      |      |      | 2    |
| 3    | 7.7  |                  |     |                  |      |            |       |      |      |      | 3    |
| 4    |      |                  |     |                  |      |            |       |      |      |      | 4    |
| 5    | 11.6 |                  |     |                  |      |            |       |      |      |      | 5    |
| 6    |      |                  |     |                  |      |            |       |      |      |      | 6    |
| 7    |      |                  |     |                  |      |            |       |      |      |      | 7    |
| 8    |      |                  |     |                  |      |            |       |      |      |      | 8    |
| 9    |      |                  |     |                  |      |            |       | 14.3 | 17.6 |      | 9    |
| 10   |      |                  |     |                  |      |            |       | 7.5  |      |      | 10   |
| 11   |      |                  |     |                  |      |            |       |      |      |      | 11   |
| 12   |      |                  |     |                  |      |            |       |      |      |      | 12   |
| 13   |      |                  |     |                  |      |            |       | 5.4  |      |      | 13   |
| 14   |      |                  |     |                  |      |            | 4.6   |      |      |      | 14   |
| 15   |      |                  |     |                  |      |            |       |      |      |      | 15   |
| 16   |      |                  |     |                  |      |            | 6.1   |      |      |      | 16   |
| 17   |      |                  |     |                  |      |            |       |      |      |      | 17   |
| 18   |      |                  |     |                  |      |            | 12.6  | 3.7  |      |      | 18   |
| 19   |      |                  |     | 10.5             |      |            | 16.7  |      |      |      | 19   |
| 20   |      |                  |     |                  |      |            | 17.5  |      |      |      | 20   |
| 21   |      |                  |     |                  |      |            |       |      |      |      | 21   |
| 22   |      |                  |     |                  |      |            |       |      |      |      | 22   |
| 23   |      |                  |     |                  |      |            |       |      |      |      | 23   |
| 24   |      |                  |     |                  |      |            |       |      |      |      | 24   |
| 25   |      |                  |     |                  |      |            |       |      |      |      | 25   |
| 26   |      |                  |     |                  |      |            | 5.5   |      |      |      | 26   |
| 27   |      |                  |     |                  |      |            |       |      |      |      | 27   |
| 28   |      |                  |     |                  |      |            | 11.7  |      |      |      | 28   |
| 29   |      |                  |     |                  |      |            | 5.7   |      |      |      | 29   |
| 30   |      |                  |     |                  |      |            |       |      |      |      | 30   |
| 31   |      |                  |     |                  |      |            |       |      |      |      | 31   |
| TOT  | 27.7 | 27.4             | 7.0 | 14.7             | 10.5 | 27.0       | 14.7  | 22.4 | 24.2 | 17.6 | 0.0  |
| CON  | 112  | 112              | 112 | 112              | 112  | 112        | 112   | 112  | 112  | 112  | 112  |

OBSERVATIONS

TOTAL ANNUEL 753.2



















| STATION 65943             |      | OBER SPRING BRANCH              |      |      |      |      |      |       | ANNE 1981/1982 |                     |      |      |
|---------------------------|------|---------------------------------|------|------|------|------|------|-------|----------------|---------------------|------|------|
|                           |      | LATR 1054.07 50 LONGA 264.15 52 |      |      |      |      |      |       | ALT 720 M      |                     |      |      |
|                           | SEPT | OCTO                            | NOVE | DECE | JANU | FEBR | MARS | AVRIL | MAI            | JUIN                | JULI | AOUT |
| 1                         | 1.5  |                                 |      |      |      |      |      |       |                |                     |      | 1    |
| 2                         | 2.9  |                                 |      |      |      |      |      | 2.5   |                |                     |      | 2    |
| 3                         |      |                                 |      |      |      |      |      |       |                |                     |      | 3    |
| 4                         | 17.0 |                                 |      |      |      |      |      |       |                |                     |      | 4    |
| 5                         | 1.2  |                                 |      |      |      |      |      |       |                |                     |      | 5    |
| 6                         |      |                                 |      |      |      |      |      | 1.4   |                | 2.9                 |      | 6    |
| 7                         |      |                                 |      |      |      |      |      |       |                |                     |      | 7    |
| 8                         |      |                                 |      |      |      |      |      |       | 3.6            |                     |      | 8    |
| 9                         |      |                                 |      |      |      |      |      |       | 10.9           | 1.2                 |      | 9    |
| 10                        |      |                                 |      |      |      |      |      |       |                |                     |      | 10   |
| 11                        |      |                                 |      |      |      |      |      |       |                |                     |      | 11   |
| 12                        |      |                                 |      |      |      |      |      |       |                |                     |      | 12   |
| 13                        |      |                                 |      |      |      |      |      | 1.8   |                |                     |      | 13   |
| 14                        | 1.3  |                                 |      |      |      |      |      |       |                |                     |      | 14   |
| 15                        |      |                                 |      |      |      |      |      | 1.7   |                |                     |      | 15   |
| 16                        |      |                                 |      |      |      |      |      |       |                |                     |      | 16   |
| 17                        |      |                                 |      |      |      | 2.2  |      |       |                |                     |      | 17   |
| 18                        | 5.4  |                                 |      |      | 18.6 |      |      | 5.3   | 1.5            |                     |      | 18   |
| 19                        |      |                                 |      |      | 4.0  |      |      | 20.4  |                |                     |      | 19   |
| 20                        |      |                                 |      |      |      |      |      | 5.0   |                |                     |      | 20   |
| 21                        |      | 1.3                             |      |      |      | 3.1  |      |       |                |                     |      | 21   |
| 22                        |      |                                 |      | 2.5  |      | 3.2  |      |       |                |                     |      | 22   |
| 23                        |      |                                 |      |      |      |      |      |       |                |                     |      | 23   |
| 24                        |      |                                 |      |      |      |      |      |       |                |                     |      | 24   |
| 25                        | 5.5  | 17.0                            |      |      |      |      |      | 1.2   |                |                     |      | 25   |
| 26                        |      |                                 |      |      |      |      |      |       |                |                     |      | 26   |
| 27                        |      |                                 |      |      |      |      |      | 1.0   |                |                     |      | 27   |
| 28                        |      |                                 |      |      |      |      |      | 1.3   |                |                     |      | 28   |
| 29                        |      |                                 |      |      |      |      |      | 7.6   |                |                     |      | 29   |
| 30                        |      |                                 |      |      |      |      |      |       |                |                     |      | 30   |
| 31                        |      |                                 |      |      |      |      |      |       |                |                     |      | 31   |
| TOT                       | 33.7 | 11.0                            | 0.6  | 2.5  | 21.6 | 11.0 | 0.7  | 54.6  | 21.0           | 2.1                 | 0.2  | 30.7 |
| OBSERVATEUR: ROHARD D ZAL |      |                                 |      |      |      |      |      |       |                | TOTAL ANNUEL: 199.7 |      |      |
| CON = 112                 | 112  | 112                             | 112  | 112  | 112  | 112  | 112  | 112   | 112            | 112                 | 112  | 112  |
| N J                       | 7    | 2                               | 2    | 1    | 2    | 4    | 0    | 11    | 1              | 2                   | 0    | 5    |

| STATION 65944             |      | OBER SPRING BRANCH              |      |      |      |      |      |       | ANNE 1981/1982 |                     |      |      |
|---------------------------|------|---------------------------------|------|------|------|------|------|-------|----------------|---------------------|------|------|
|                           |      | LATR 1054.07 50 LONGA 264.15 52 |      |      |      |      |      |       | ALT 720 M      |                     |      |      |
|                           | SEPT | OCTO                            | NOVE | DECE | JANU | FEBR | MARS | AVRIL | MAI            | JUIN                | JULI | AOUT |
| 1                         |      |                                 |      |      |      |      |      | 3.0   |                |                     |      | 1    |
| 2                         |      |                                 |      |      |      |      |      |       |                |                     |      | 2    |
| 3                         |      |                                 |      | 1.0  |      |      |      |       |                |                     |      | 3    |
| 4                         | 2.0  |                                 |      |      |      |      |      |       |                |                     |      | 4    |
| 5                         |      |                                 |      |      |      |      |      |       |                |                     |      | 5    |
| 6                         |      |                                 |      |      |      |      |      | 1.0   |                |                     |      | 6    |
| 7                         |      |                                 |      |      |      |      |      | 2.0   |                |                     |      | 7    |
| 8                         |      |                                 |      |      |      |      |      |       | 5.0            |                     |      | 8    |
| 9                         |      |                                 |      |      |      |      |      |       | 0.0            |                     |      | 9    |
| 10                        |      |                                 |      |      |      |      |      |       |                |                     |      | 10   |
| 11                        |      |                                 |      |      |      |      |      |       | 4.0            |                     |      | 11   |
| 12                        |      |                                 |      |      |      |      |      |       |                |                     |      | 12   |
| 13                        |      |                                 |      |      |      |      |      |       |                |                     |      | 13   |
| 14                        | 4.0  |                                 |      |      |      |      |      | 17.0  |                |                     |      | 14   |
| 15                        |      |                                 |      |      | 18.0 |      |      | 5.0   |                |                     |      | 15   |
| 16                        |      |                                 |      |      |      |      |      |       |                |                     |      | 16   |
| 17                        |      |                                 |      |      |      |      |      |       |                |                     |      | 17   |
| 18                        | 2.0  |                                 |      |      | 12.0 |      |      | 10.0  |                |                     |      | 18   |
| 19                        |      |                                 |      |      | 4.0  |      |      | 21.0  |                | 1.0                 |      | 19   |
| 20                        |      | 12.0                            |      |      |      | 12.0 |      |       |                | 12.0                |      | 20   |
| 21                        |      | 7.0                             |      |      |      |      |      |       |                |                     |      | 21   |
| 22                        |      |                                 |      | 3.0  |      |      |      |       |                |                     |      | 22   |
| 23                        |      |                                 |      |      |      |      |      |       |                |                     |      | 23   |
| 24                        |      |                                 |      |      |      |      |      |       |                |                     |      | 24   |
| 25                        | 16.0 | 17.0                            | 1.2  |      |      |      |      | 2.0   |                |                     |      | 25   |
| 26                        |      |                                 |      |      |      |      |      |       |                |                     |      | 26   |
| 27                        |      |                                 |      |      |      |      |      |       |                |                     |      | 27   |
| 28                        |      |                                 |      |      |      |      |      | 4.0   |                |                     |      | 28   |
| 29                        |      |                                 |      |      |      |      |      |       |                |                     |      | 29   |
| 30                        |      |                                 |      |      |      |      |      | 1.0   |                |                     |      | 30   |
| 31                        |      |                                 |      |      |      |      |      |       |                |                     |      | 31   |
| TOT                       | 28.6 | 37.0                            | 1.2  | 4.0  | 44.0 | 20.0 | 0.0  | 47.7  | 10.0           | 17.0                | 0.2  | 5.0  |
| OBSERVATEUR: ROHARD D ZAL |      |                                 |      |      |      |      |      |       |                | TOTAL ANNUEL: 271.5 |      |      |







[illegible]

|              | SEP  | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG                  |
|--------------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| 1            | 15.0 | .    | .    | .    | .    | .    | .    | 3.0  | .    | .    | .    | .                    |
| 2            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 3            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 4            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 5            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 6            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 7            | .    | .    | .    | 1.5  | .    | 7.0  | .    | .    | .    | .    | .    | .                    |
| 8            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 9            | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 10           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 11           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 12           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 13           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 14           | .    | .    | .    | .    | .    | .    | .    | 25.0 | .    | .    | .    | .                    |
| 15           | .    | .    | 7.7  | .    | 36.5 | .    | .    | .    | .    | .    | .    | .                    |
| 16           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 17           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 18           | .    | .    | .    | .    | 8.0  | .    | 27.0 | 12.0 | .    | .    | .    | .                    |
| 19           | .    | .    | .    | .    | 24.5 | .    | .    | 15.0 | .    | .    | .    | .                    |
| 20           | .    | 7.3  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 21           | .    | .    | .    | .    | .    | .    | 7.2  | .    | .    | .    | .    | .                    |
| 22           | .    | .    | .    | .    | 2.5  | .    | .    | .    | .    | .    | .    | .                    |
| 23           | .    | .    | .    | 4.0  | .    | .    | .    | .    | .    | .    | .    | .                    |
| 24           | 7.5  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 13.5                 |
| 25           | .    | 13.7 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 26           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 27           | .    | 3.5  | .    | .    | .    | 2.0  | .    | .    | .    | .    | .    | .                    |
| 28           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 29           | .    | .    | .    | .    | 2.5  | .    | .    | .    | .    | .    | .    | .                    |
| 30           | .    | .    | 7.2  | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| 31           | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                    |
| TOTAL        | 72.5 | 29.3 | 29.2 | 5.5  | 74.0 | 9.1  | 28.2 | 53.0 | 15.0 | 3.0  | 2.0  | 13.5                 |
| OBSERVATIONS |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUAL = 261.4 |
| 1951         | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963                 |



LAT 3957.61 20

LOG 2

768.47 20

4610 622 7

|                             | SEPT | OCTO | NOVE | DECE | JANU | FEBR | MARS | APRIL | MAY  | JUNE | JULY | AUGU |
|-----------------------------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 1                           | -    | -    | -    | -    | -    | -    | -    | 13.0  | -    | -    | -    | -    |
| 2                           | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 3                           | -    | -    | -    | 5.2  | -    | -    | -    | -     | -    | -    | -    | -    |
| 4                           | 17.0 | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 5                           | 5.8  | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 6                           | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 7                           | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 8                           | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 9                           | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 10                          | -    | -    | -    | -    | -    | -    | -    | -     | 17.3 | -    | -    | -    |
| 11                          | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 12                          | -    | -    | -    | -    | -    | -    | -    | -     | 1.0  | -    | -    | -    |
| 13                          | -    | -    | -    | -    | -    | 2.2  | -    | -     | -    | -    | -    | -    |
| 14                          | -    | -    | -    | -    | -    | -    | -    | 8.0   | -    | -    | -    | -    |
| 15                          | -    | -    | -    | -    | -    | -    | -    | 3.5   | -    | -    | -    | -    |
| 16                          | -    | -    | -    | -    | -    | 8.0  | -    | -     | -    | -    | -    | -    |
| 17                          | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 18                          | 6.6  | -    | -    | -    | 14.3 | 2.1  | 3.5  | 26.0  | -    | -    | -    | -    |
| 19                          | -    | -    | -    | -    | 3.3  | -    | -    | -     | -    | -    | -    | -    |
| 20                          | -    | -    | -    | -    | -    | 5.0  | -    | -     | -    | -    | -    | -    |
| 21                          | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 22                          | -    | -    | -    | 2.7  | -    | 4.0  | 9.0  | -     | 30.9 | -    | -    | -    |
| 23                          | -    | -    | -    | 9.0  | -    | 2.5  | -    | -     | 5.3  | -    | -    | -    |
| 24                          | -    | -    | -    | -    | -    | 5.6  | -    | -     | -    | -    | -    | -    |
| 25                          | -    | 26.0 | -    | -    | -    | -    | 1.5  | 3.0   | -    | -    | -    | -    |
| 26                          | 3.7  | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 27                          | 2.5  | -    | -    | -    | 12.7 | 5.0  | -    | -     | -    | -    | -    | -    |
| 28                          | -    | -    | -    | -    | 10.4 | -    | -    | 1.5   | -    | -    | -    | -    |
| 29                          | -    | -    | 2.7  | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 30                          | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| 31                          | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    | -    |
| TOT                         | 37.6 | 25.0 | 2.7  | 14.2 | 61.4 | 19.1 | 14.0 | 55.5  | 34.7 | 2.0  | 0.0  | 13.0 |
| OBSERVATIONS+ AIMED RPHOURS |      |      |      |      |      |      |      |       |      |      |      |      |
| CON                         | 112  | 142  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  |
| M                           | 5    | 1    | 1    | 3    | 4    | 8    | 3    | 6     | 4    | 7    | 3    | 7    |

STAT101 05678

544014 ON GARGU 51

AMF# 1701/1992

LAT 406N, DS 50

LD + C =

AGP. 11 55

44 T 474 4

[illegible]































LATA 1981.04.20

LONGA 706.13.00

ALTA 215.0

|                             | SEPT | OCTO | NOVF | DECF | JANV | FEBV | MARS | AVRI | MAT  | JUIN | JUIL | AOUT                |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| 1                           |      |      |      |      |      |      |      | 16.4 |      |      |      | 1                   |
| 2                           |      |      |      |      |      |      |      |      |      |      |      | 2                   |
| 3                           |      |      |      | 9    |      |      |      |      |      |      |      | 3                   |
| 4                           |      |      |      |      |      |      |      |      |      |      |      | 4                   |
| 5                           | 1.7  |      |      |      |      | 2    |      |      |      |      |      | 5                   |
| 6                           |      |      |      |      |      |      |      |      |      | 1.2  |      | 6                   |
| 7                           |      |      |      |      |      |      |      | 6    |      |      |      | 7                   |
| 8                           |      |      |      |      |      |      |      |      | 5.1  |      |      | 8                   |
| 9                           |      |      |      |      |      |      |      |      | 5.0  | 4.0  |      | 9                   |
| 10                          |      |      |      |      |      |      |      |      |      |      |      | 10                  |
| 11                          |      |      |      |      |      |      |      |      | 6.1  |      |      | 11                  |
| 12                          |      |      |      |      |      |      |      |      |      |      |      | 12                  |
| 13                          | 1.0  |      |      |      |      | 2.0  |      |      |      |      |      | 13                  |
| 14                          |      |      |      |      |      | 2.1  |      | 8    |      |      |      | 14                  |
| 15                          |      |      |      |      | 8.0  |      |      | 1.4  |      |      |      | 15                  |
| 16                          |      |      |      |      | 1.0  | 4.5  |      |      |      |      |      | 16                  |
| 17                          |      |      |      |      |      |      |      | 4.9  |      |      |      | 17                  |
| 18                          | 1.5  |      |      |      | 17.5 |      | 3.7  | 10.9 |      |      |      | 18                  |
| 19                          |      |      |      |      | 4.3  |      |      | 11.1 |      |      |      | 19                  |
| 20                          |      | 5    |      |      |      |      |      |      |      | 8.2  |      | 20                  |
| 21                          |      |      |      |      |      | 1.4  |      |      |      | 1.0  |      | 21                  |
| 22                          |      |      |      | 5.3  |      | 1.1  |      |      |      |      |      | 22                  |
| 23                          |      | 1.7  |      |      |      | 3.2  |      |      |      |      |      | 23                  |
| 24                          |      | 5.8  |      |      |      |      |      |      |      |      |      | 24                  |
| 25                          | 1.3  | 12.5 |      |      |      |      | 2.7  | 1.4  |      |      |      | 25                  |
| 26                          |      |      |      |      | 1.0  |      | 1.0  |      |      |      |      | 26                  |
| 27                          |      |      |      |      |      |      |      |      |      |      |      | 27                  |
| 28                          |      |      |      |      | 1.0  |      |      |      |      |      |      | 28                  |
| 29                          |      |      |      |      |      |      |      |      |      |      |      | 29                  |
| 30                          |      |      |      |      |      |      | 1.0  | 1.8  |      |      |      | 30                  |
| 31                          |      |      |      |      |      |      | 1.0  |      |      |      |      | 31                  |
| TOT                         | 3.6  | 40.5 | 0.5  | 6.2  | 29.8 | 1.2  | 7.8  | 31.0 | 12.0 | 9.4  | 0.0  | 0.0                 |
| OBSERVATEUR: SELMI HASSOUNA |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUEL: 167.0 |
| COU + 112                   | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112                 |
| N. J.                       | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12                  |

LATA 308.81.25

LONGA 706.52.10

ALTA 435.4

|                     | SEPT | OCTO | NOVF | DECF | JANV | FEBV | MARS | AVRI | MAT  | JUIN | JUIL | AOUT                |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| 1                   |      |      |      |      |      |      |      | 5.5  |      |      |      | 1                   |
| 2                   |      |      |      |      |      |      |      |      |      |      |      | 2                   |
| 3                   |      |      |      |      |      |      |      |      |      |      |      | 3                   |
| 4                   |      |      |      |      |      |      |      |      |      |      |      | 4                   |
| 5                   | 5.5  |      |      |      |      |      |      |      |      |      |      | 5                   |
| 6                   |      |      |      |      |      |      |      |      |      |      |      | 6                   |
| 7                   |      |      |      |      |      |      |      | 2.0  |      |      |      | 7                   |
| 8                   | 13.0 |      |      |      |      |      |      |      |      |      |      | 8                   |
| 9                   |      |      |      |      |      |      |      |      |      | 5.4  |      | 9                   |
| 10                  |      |      |      |      |      |      |      |      | 5.2  | 14.5 |      | 10                  |
| 11                  |      |      |      |      |      |      |      |      |      |      |      | 11                  |
| 12                  |      |      |      |      |      |      |      |      |      |      |      | 12                  |
| 13                  |      |      |      |      |      |      |      |      |      |      |      | 13                  |
| 14                  |      |      |      |      |      |      |      |      | 1.1  |      | 2.3  | 14                  |
| 15                  |      |      |      |      |      | 1.6  |      | 7.5  |      |      |      | 15                  |
| 16                  |      |      |      |      |      | 2.5  |      |      |      |      |      | 16                  |
| 17                  |      |      |      |      |      | 1.1  |      | 11.0 |      |      |      | 17                  |
| 18                  |      |      |      |      |      |      |      | 13.5 |      |      |      | 18                  |
| 19                  |      |      |      |      | 18.0 |      |      |      |      |      |      | 19                  |
| 20                  |      | 7.3  |      |      | 3.2  |      |      |      | 6.0  |      |      | 20                  |
| 21                  |      |      |      |      |      |      | 1.5  |      |      |      |      | 21                  |
| 22                  |      |      |      | 1.5  |      | 1.2  |      |      |      |      |      | 22                  |
| 23                  |      |      |      |      |      |      |      |      |      |      |      | 23                  |
| 24                  |      |      |      |      |      |      |      |      |      |      |      | 24                  |
| 25                  | 43.2 |      |      |      |      |      |      |      | 6.5  |      |      | 25                  |
| 26                  |      | 17.2 |      |      |      |      |      | 9.5  |      |      |      | 26                  |
| 27                  |      |      |      |      |      |      |      |      |      |      |      | 27                  |
| 28                  |      |      |      |      | 2.1  |      |      |      |      |      |      | 28                  |
| 29                  |      |      |      |      |      |      |      |      |      |      |      | 29                  |
| 30                  |      |      | 1.0  |      |      |      |      |      |      |      |      | 30                  |
| 31                  |      |      |      |      |      |      |      |      |      |      |      | 31                  |
| TOT                 | 61.7 | 25.3 | 1.0  | 1.5  | 43.1 | 6.1  | 1.5  | 37.0 | 15.9 | 19.9 | 2.3  | 2.5                 |
| OBSERVATEUR: AKRUMI |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUEL: 225.8 |
| COU + 112           | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112                 |
| N. J.               | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12                  |



STATION 6630

SITE LOGS FOR 1951

ANNEE 1951/1952

|     |    | DATE 1951 |      |      |      |      | LOGS |      | TEMPERATURE |     | ANNEE 1951/1952 |     |     |  |
|-----|----|-----------|------|------|------|------|------|------|-------------|-----|-----------------|-----|-----|--|
|     |    | SEPT      | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL       | MAL | JUN             | JUL | AUG |  |
| 1   | 2  |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 2   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 3   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 4   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 5   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 6   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 7   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 8   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 9   |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 10  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 11  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 12  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 13  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 14  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 15  |    |           |      |      |      |      |      |      | 16.0        |     |                 |     |     |  |
| 16  | 2  |           |      |      |      | 4    |      |      |             |     |                 |     |     |  |
| 17  |    |           |      |      |      |      |      |      | 10.0        |     |                 |     |     |  |
| 18  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 19  |    |           |      |      |      | 9.5  | 5.2  |      |             |     |                 |     |     |  |
| 20  |    | 1.2       |      |      |      | 1.5  | 7.2  |      | 7.2         |     |                 |     |     |  |
| 21  |    | 6         |      |      |      |      | 1.5  | 5.2  |             |     |                 |     |     |  |
| 22  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 23  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 24  |    | 15.2      |      |      |      |      |      |      |             |     |                 |     |     |  |
| 25  |    | 25.5      |      |      |      |      |      |      |             |     |                 |     |     |  |
| 26  |    |           |      |      |      |      |      |      | 1.0         |     |                 |     |     |  |
| 27  |    |           |      |      |      |      |      |      | 1.0         |     |                 |     |     |  |
| 28  |    |           |      |      |      |      |      |      | 1.0         |     |                 |     |     |  |
| 29  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 30  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| 31  |    |           |      |      |      |      |      |      |             |     |                 |     |     |  |
| TOT | 24 | 43.5      | 0.2  | 0.0  | 11.4 | 8.5  | 8.0  | 4.2  |             |     |                 |     |     |  |

OBSERVATIONS LAZAR MASSA

TOTAL ANNUAL 1951/1952

|      |    | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAL | JUN | JUL | AUG |
|------|----|------|------|------|------|------|------|------|-------|-----|-----|-----|-----|
| 1951 | 24 | 43.5 | 0.2  | 0.0  | 11.4 | 8.5  | 8.0  | 4.2  |       |     |     |     |     |

STATION 6630

SITE LOGS FOR 1952

ANNEE 1952/1953

| LAT 38 50.55 CC LONG 76 12.00 ALT 345 M |      |      |      |      |      |      |      |       |      |      |      |     |     |
|---|------|------|------|------|------|------|------|-------|------|------|------|-----|-----|
|   | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAL  | JUNE | JULY | AUG |     |
| 1                                       | 2    |      |      |      |      |      |      |       |      |      |      |     |     |
| 2                                       | 2    |      |      |      |      |      |      | 2.5   |      |      |      |     |     |
| 3                                       | 2    |      |      |      |      |      |      |       |      |      |      |     |     |
| 4                                       | 2.4  |      |      | 1.1  |      |      |      |       |      |      |      |     |     |
| 5                                       |      |      |      |      |      | 1.3  |      |       |      |      |      |     |     |
| 6                                       |      |      |      |      |      |      |      |       |      |      |      |     |     |
| 7                                       |      |      |      |      |      |      |      | 6.0   |      | 1.5  |      |     |     |
| 8                                       |      |      |      |      |      |      |      |       |      |      |      |     | 1.3 |
| 9                                       |      |      |      |      |      |      |      |       | 1.5  |      |      |     |     |
| 10                                      |      |      |      |      |      |      |      |       | 6.1  |      |      |     |     |
| 11                                      |      |      |      |      |      |      |      |       | 1    |      |      |     |     |
| 12                                      |      |      |      |      |      |      |      |       |      |      |      |     |     |
| 13                                      |      |      |      |      |      |      |      |       | 10.9 |      |      |     |     |
| 14                                      |      |      |      |      |      |      |      |       | 9    |      |      |     |     |
| 15                                      |      |      |      |      |      |      |      |       |      |      |      |     |     |
| 16                                      |      |      |      |      |      |      |      | 7.7   |      |      |      |     |     |
| 17                                      |      |      |      |      |      | 7.1  |      | 1.6   |      |      |      |     |     |
| 18                                      | 2.5  |      |      |      | 2    |      |      | 1.4   |      |      |      |     |     |
| 19                                      |      |      |      |      | 14.6 |      | 1.0  | 5.2   |      |      |      |     |     |
| 20                                      |      |      |      |      | 3.4  |      |      | 11.0  |      |      |      |     |     |
| 21                                      |      |      |      |      |      | 10.2 |      |       |      |      |      |     |     |
| 22                                      |      | 1.5  |      |      | 10   |      | 7.3  |       |      |      |      |     |     |
| 23                                      |      | 1.5  |      | 7    |      | 1.2  |      |       | 2.1  | 2.2  |      |     | 1.0 |
| 24                                      | 1    | 2.2  |      |      |      |      | 1.0  |       |      |      |      |     |     |
| 25                                      | 21.5 | 15.0 |      |      |      |      |      |       |      | 4    |      |     | 1.5 |
| 26                                      |      |      |      |      |      |      |      | 2.1   |      |      |      |     |     |
| 27                                      |      |      |      |      | 3    |      | 2    | 5.7   |      |      |      |     |     |
| 28                                      |      |      |      |      |      |      |      | 9.7   |      |      |      |     |     |
| 29                                      |      |      |      |      | 1.6  |      |      | 2.1   |      |      |      |     |     |
| 30                                      |      |      |      |      | 2    |      |      | 2     |      |      |      |     |     |
| 31                                      |      |      |      |      |      |      |      |       |      |      |      |     |     |
| TOT                                     | 21.5 | 27.3 | 7.0  | 7.1  | 25.1 | 17.0 | 9.0  | 55.6  | 21.0 | 5.6  | 7.0  |     | 1.5 |

OBSERVATIONS LAZAR

TOTAL ANNUAL 1952/1953

|      |    | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAL  | JUN | JUL | AUG |
|------|----|------|------|------|------|------|------|------|-------|------|-----|-----|-----|
| 1952 | 24 | 27.5 | 27.5 | 7.0  | 7.0  | 20.0 | 17.0 | 9.0  | 55.0  | 21.0 | 5.0 | 7.0 | 1.5 |







STATION 68104

SIDE HOUSE LPI 27

JANUARY 1972

|              |      | LAT= 38°46' 30" N |      |      |      | LONG= 76°42' 10" W |      | ALT= 404 M |      |     |     |              |       |
|--------------|------|-------------------|------|------|------|--------------------|------|------------|------|-----|-----|--------------|-------|
|              | SL-T | OCTO              | NOVE | DECE | JANV | FEBV               | MARS | AVRIL      | MAY  | JUN | JUL | AGUST        |       |
| 1            | -    | -                 | -    | -    | -    | -                  | -    | 5.0        | -    | -   | -   | -            | 1     |
| 2            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 2     |
| 3            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 3     |
| 4            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 4     |
| 5            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 5     |
| 6            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | 5.0 | -   | -            | 6     |
| 7            | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 7     |
| 8            | -    | -                 | -    | -    | -    | -                  | -    | -          | 3.0  | -   | -   | -            | 8     |
| 9            | -    | -                 | -    | -    | -    | -                  | -    | -          | 4.5  | -   | -   | -            | 9     |
| 10           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 10    |
| 11           | -    | -                 | -    | -    | -    | -                  | -    | -          | 9.0  | -   | -   | -            | 11    |
| 12           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 12    |
| 13           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 13    |
| 14           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 14    |
| 15           | -    | -                 | -    | -    | -    | 2.5                | -    | 9.0        | -    | -   | -   | -            | 15    |
| 16           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 16    |
| 17           | -    | -                 | -    | -    | -    | -                  | -    | 4.5        | -    | -   | -   | -            | 17    |
| 18           | -    | -                 | -    | -    | 27.0 | -                  | -    | -          | -    | -   | -   | -            | 18    |
| 19           | -    | -                 | -    | -    | 15.0 | -                  | -    | 9.5        | -    | -   | -   | -            | 19    |
| 20           | -    | -                 | -    | -    | 5.0  | 3.5                | -    | 10.0       | -    | -   | -   | -            | 20    |
| 21           | -    | 5.0               | -    | -    | -    | 2.5                | 4.0  | -          | -    | -   | -   | -            | 21    |
| 22           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 22    |
| 23           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 23    |
| 24           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 24    |
| 25           | -    | 14.2              | -    | -    | -    | -                  | -    | 5.5        | -    | -   | -   | -            | 25    |
| 26           | 17.0 | -                 | -    | -    | -    | -                  | -    | 3.5        | -    | -   | -   | -            | 26    |
| 27           | -    | -                 | -    | -    | -    | -                  | -    | 10.5       | -    | -   | -   | -            | 27    |
| 28           | -    | -                 | -    | -    | 1.0  | -                  | -    | 1.5        | -    | -   | -   | -            | 28    |
| 29           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 29    |
| 30           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 30    |
| 31           | -    | -                 | -    | -    | -    | -                  | -    | -          | -    | -   | -   | -            | 31    |
| TOT          | 17.0 | 19.2              | 0.0  | 0.0  | 46.0 | 9.0                | 6.8  | 57.5       | 16.5 | 5.0 | 0.2 | 0.0          |       |
| OBSERVATIONS |      |                   |      |      |      |                    |      |            |      |     |     | TOTAL ANNUAL | 173.0 |
| CH - 112     | 112  | 112               | 112  | 112  | 112  | 112                | 112  | 112        | 112  | 112 | 112 | 112          |       |
| CH - 1       | 1    | 2                 | 2    | 0    | 4    | 2                  | 3    | 6          | 3    | 3   | 0   | 0            | 24    |

STATION 68114

SIDE HOUSE BULES MARIN

JANUARY 1981/1982

|                             |      | LAT= 38°46' 55 |     | LONG= 76°42' 51 |      | ALT= 350 M |      |       |      |     |     |       |              |
|-----------------------------|------|----------------|-----|-----------------|------|------------|------|-------|------|-----|-----|-------|--------------|
|                             | SEPT | OCTO           | NOV | DECE            | JANV | FEBV       | MARS | AVRIL | MAY  | JUN | JUL | AGUST |              |
| 1                           |      |                |     |                 |      |            |      |       |      |     |     |       | 1            |
| 2                           |      |                |     |                 |      |            |      | 3.3   |      |     |     |       | 2            |
| 3                           |      |                |     |                 |      |            |      |       |      |     |     |       | 3            |
| 4                           |      |                |     |                 |      |            |      |       |      |     |     |       | 4            |
| 5                           |      |                |     |                 |      |            |      |       |      |     |     |       | 5            |
| 6                           |      |                |     |                 |      |            |      |       |      |     |     |       | 6            |
| 7                           |      |                |     |                 |      |            |      |       |      |     |     |       | 7            |
| 8                           |      |                |     |                 |      |            |      |       | 6.0  |     |     |       | 8            |
| 9                           |      |                |     |                 |      |            |      |       | 1.5  |     |     |       | 9            |
| 10                          |      |                |     |                 |      |            |      |       |      |     |     |       | 10           |
| 11                          |      |                |     |                 |      |            |      |       | 10.0 |     |     |       | 11           |
| 12                          |      |                |     |                 |      |            |      |       |      |     |     |       | 12           |
| 13                          |      |                |     |                 |      |            |      |       |      |     |     |       | 13           |
| 14                          |      |                |     |                 |      |            |      |       |      |     |     |       | 14           |
| 15                          |      |                |     |                 |      |            |      |       |      |     |     |       | 15           |
| 16                          |      |                |     |                 |      |            |      | 2.5   |      |     |     |       | 16           |
| 17                          |      |                |     |                 |      |            |      |       |      |     |     |       | 17           |
| 18                          | 5    |                |     |                 |      |            |      |       |      |     |     |       | 18           |
| 19                          |      |                |     |                 | 15.8 |            |      |       |      |     |     |       | 19           |
| 20                          |      |                |     |                 |      |            |      |       |      |     |     |       | 20           |
| 21                          |      |                |     |                 |      |            |      |       |      |     |     |       | 21           |
| 22                          |      | 2.5            |     |                 |      |            |      |       | 16.5 |     |     |       | 22           |
| 23                          |      |                |     |                 |      |            |      |       |      |     |     |       | 23           |
| 24                          |      |                |     |                 |      |            |      |       |      |     |     |       | 24           |
| 25                          | 1.3  | 13.0           |     |                 |      |            |      |       |      |     |     |       | 25           |
| 26                          |      |                |     |                 |      |            |      |       |      |     |     |       | 26           |
| 27                          |      |                |     |                 |      |            |      | 15.2  |      |     |     |       | 27           |
| 28                          |      |                |     |                 |      |            |      | 7.7   |      |     |     |       | 28           |
| 29                          |      |                |     |                 |      |            |      |       |      |     |     |       | 29           |
| 30                          |      |                |     |                 |      |            |      |       |      |     |     |       | 30           |
| 31                          |      |                |     |                 |      |            |      |       |      |     |     |       | 31           |
| TOT                         | 8.8  |                | 0.0 | 1.9             | 4.4  | 2.2        | 2.2  | 4.2   | 32.0 | 2.4 | 0.2 | 0.0   |              |
| OBSERVATIONS EL LUGAR EN LA |      |                |     |                 |      |            |      |       |      |     |     |       | TOTAL ANNUAL |











STATION 68016

LATN

ANNE 1961/1962

|     | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAT  | JUN | JUL | AOUST |    |
|-----|------|------|------|------|------|------|------|-------|------|-----|-----|-------|----|
| 1   | .    | .    | .    | 3.5  | .    | .    | .    | 6.5   | .    | .   | .   | .     | 1  |
| 2   | .    | .    | .    | .    | .    | .    | .    | 7.0   | .    | .   | .   | .     | 2  |
| 3   | .    | .    | .    | 6.5  | .    | .    | .    | .     | .    | .   | .   | .     | 3  |
| 4   | 7.5  | .    | .    | 3.5  | .    | .    | .    | .     | .    | .   | .   | .     | 4  |
| 5   | 5.0  | .    | .    | 2.0  | .    | .    | .    | .     | .    | .   | .   | .     | 5  |
| 6   | 7.5  | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 6  |
| 7   | .    | .    | .    | .    | .    | .    | .    | 8.0   | 8.5  | .   | .   | .     | 7  |
| 8   | .    | .    | .    | .    | .    | .    | .    | .     | 6.5  | .   | .   | .     | 8  |
| 9   | .    | .    | .    | .    | .    | .    | .    | .     | 7.5  | .   | .   | .     | 9  |
| 10  | .    | .    | .    | .    | .    | .    | .    | 8.5   | 5.0  | .   | .   | .     | 10 |
| 11  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 11 |
| 12  | .    | .    | .    | .    | .    | .    | .    | 6.5   | .    | .   | .   | .     | 12 |
| 13  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 13 |
| 14  | .    | .    | .    | .    | .    | 5.5  | .    | 8.0   | .    | .   | .   | .     | 14 |
| 15  | .    | .    | .    | .    | .    | 7.5  | .    | 7.5   | .    | .   | .   | .     | 15 |
| 16  | 4.5  | .    | .    | .    | .    | .    | .    | 1.5   | .    | .   | .   | .     | 16 |
| 17  | .    | .    | .    | .    | 7.5  | 4.5  | .    | .     | .    | .   | .   | .     | 17 |
| 18  | .    | .    | .    | .    | 8.0  | .    | .    | 2.0   | 5.5  | .   | .   | .     | 18 |
| 19  | 5.5  | .    | .    | .    | 7.5  | .    | 7.5  | 7.5   | .    | .   | .   | .     | 19 |
| 20  | .    | .    | .    | .    | 5.5  | .    | .    | 7.5   | .    | .   | .   | .     | 20 |
| 21  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 21 |
| 22  | .    | .    | .    | 6.5  | .    | 6.5  | 7.5  | .     | .    | .   | .   | .     | 22 |
| 23  | .    | .    | .    | 7.0  | .    | .    | .    | .     | .    | .   | .   | .     | 23 |
| 24  | 1.5  | 7.5  | .    | .    | .    | 4.5  | .    | .     | .    | .   | .   | 1.5   | 24 |
| 25  | .    | 7.5  | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 25 |
| 26  | .    | 2.5  | .    | .    | .    | .    | .    | 5.5   | .    | .   | .   | .     | 26 |
| 27  | .    | 7.5  | .    | .    | 3.5  | 7.5  | 2.5  | 3.5   | .    | .   | .   | .     | 27 |
| 28  | .    | .    | 1.5  | .    | 4.5  | .    | .    | .     | .    | .   | .   | .     | 28 |
| 29  | .    | .    | .    | .    | .    | .    | .    | 4.5   | .    | .   | .   | .     | 29 |
| 30  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 30 |
| 31  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .   | .   | .     | 31 |
| TOT | 37.0 | 20.5 | 7.5  | 31.5 | 36.5 | 28.0 | 17.5 | 75.0  | 77.0 | 0.0 | 0.0 | 1.5   |    |

OBSERVATION

TOTAL ANNUAL

|     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| CON | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |    |
| M F | 6   | 4   | 1   | 1   | 6   | 7   | 7   | 14  | 5   | 0   | 3   | 1   | 51 |

STATION 68094

DELFAKEDEN ADLADIT

ANNE 1961/1962

|     | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAT  | JUN  | JUL | AOUST |    |
|-----|------|------|------|------|------|------|------|-------|------|------|-----|-------|----|
| 1   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 1  |
| 2   | .    | .    | .    | .    | .    | .    | .    | 7.5   | .    | .    | .   | .     | 2  |
| 3   | 3.8  | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 3  |
| 4   | 2.6  | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 4  |
| 5   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 5  |
| 6   | .    | .    | .    | .    | .    | .    | .    | .     | .    | 12.5 | .   | .     | 6  |
| 7   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 7  |
| 8   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 8  |
| 9   | .    | .    | .    | .    | .    | .    | .    | .     | .    | 5.5  | .   | .     | 9  |
| 10  | .    | .    | .    | .    | .    | .    | .    | .     | 7.5  | .    | .   | .     | 10 |
| 11  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 11 |
| 12  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 12 |
| 13  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 13 |
| 14  | .    | .    | .    | .    | .    | 4.5  | .    | 2.5   | .    | .    | .   | .     | 14 |
| 15  | .    | .    | .    | .    | .    | .    | .    | 6.5   | .    | .    | .   | .     | 15 |
| 16  | .    | .    | .    | .    | .    | 7.5  | .    | .     | .    | .    | .   | .     | 16 |
| 17  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 17 |
| 18  | 7.0  | .    | .    | .    | .    | .    | .    | .     | 40.0 | .    | .   | .     | 18 |
| 19  | .    | .    | .    | .    | 14.5 | .    | .    | 11.0  | .    | .    | .   | .     | 19 |
| 20  | .    | .    | .    | .    | .    | .    | .    | 29.5  | .    | .    | .   | .     | 20 |
| 21  | .    | .    | .    | .    | .    | 1.5  | 10.5 | .     | .    | .    | .   | .     | 21 |
| 22  | .    | .    | .    | 6.7  | .    | 4.5  | .    | .     | .    | .    | .   | .     | 22 |
| 23  | .    | .    | .    | .    | .    | 5.5  | .    | .     | .    | .    | .   | .     | 23 |
| 24  | .    | 16.7 | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 24 |
| 25  | 8.5  | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 25 |
| 26  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 26 |
| 27  | 7.5  | .    | .    | .    | .    | 4.5  | .    | .     | .    | .    | .   | .     | 27 |
| 28  | .    | .    | .    | .    | .    | .    | .    | 7.5   | .    | .    | .   | .     | 28 |
| 29  | .    | .    | .    | .    | 1.5  | .    | .    | .     | .    | .    | .   | .     | 29 |
| 30  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 30 |
| 31  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .   | .     | 31 |
| TOT | 45.2 | 16.7 | 0.0  | 6.7  | 21.5 | 22.2 | 10.5 | 51.5  | 42.5 | 17.5 | 0.0 | 7.0   |    |

OBSERVATION

TOTAL ANNUAL

254.5



| STATION                    | GRASS | OBSERVED (HOURS) |     |     |            |      |     |      | OBSERVED (HOURS) |     |     |      |
|----------------------------|-------|------------------|-----|-----|------------|------|-----|------|------------------|-----|-----|------|
|                            |       | 1958, 12-20      |     |     | 1959, 1-10 |      |     |      | 1960, 1-10       |     |     |      |
|                            |       | SUN              | MON | TUE | WED        | THUR | FRI | SAT  | SUN              | MON | TUE | WED  |
| 1                          | -     | -                | -   | -   | -          | -    | -   | 5.0  | -                | -   | -   | -    |
| 2                          | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 3                          | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 4                          | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 5                          | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 6                          | -     | -                | -   | -   | -          | -    | -   | 5.5  | -                | -   | -   | -    |
| 7                          | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 8                          | -     | -                | -   | -   | -          | -    | -   | -    | 2.0              | -   | -   | -    |
| 9                          | -     | -                | -   | -   | -          | -    | -   | -    | 2.5              | -   | -   | -    |
| 10                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 11                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 12                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 13                         | -     | -                | -   | -   | -          | 5.0  | -   | -    | -                | -   | -   | -    |
| 14                         | -     | -                | -   | -   | -          | 2.5  | -   | 2.0  | -                | -   | -   | -    |
| 15                         | -     | -                | -   | -   | -          | -    | -   | 22.5 | -                | -   | -   | -    |
| 16                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 17                         | -     | -                | -   | -   | -          | 5.5  | -   | -    | -                | -   | -   | -    |
| 18                         | -     | -                | -   | -   | -          | -    | -   | 22.0 | -                | -   | -   | -    |
| 19                         | -     | -                | -   | -   | 26.5       | -    | -   | 22.0 | -                | -   | -   | -    |
| 20                         | -     | -                | -   | -   | 12.0       | 12.0 | -   | -    | -                | -   | -   | -    |
| 21                         | -     | -                | -   | -   | -          | -    | 4.0 | -    | -                | -   | -   | -    |
| 22                         | -     | -                | -   | -   | -          | 11.0 | -   | -    | -                | -   | -   | -    |
| 23                         | -     | -                | -   | -   | -          | -    | 1.0 | -    | -                | -   | -   | -    |
| 24                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 25                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 26                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 27                         | -     | -                | -   | -   | -          | 1.7  | -   | -    | -                | -   | -   | -    |
| 28                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 29                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 30                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| 31                         | -     | -                | -   | -   | -          | -    | -   | -    | -                | -   | -   | -    |
| TOT                        | 25.0  | -                | -   | -   | 58.5       | 35.6 | 5.0 | 75.0 | 16.5             | 2.0 | 0.0 | 11.0 |
| OBSERVATIONS: HOURS: HOURS |       |                  |     |     |            |      |     |      |                  |     |     |      |
| TOTAL: HOURS: HOURS        |       |                  |     |     |            |      |     |      |                  |     |     |      |
| 100                        | 358   | 102              | 358 | 102 | 112        | 112  | 112 | 112  | 112              | 112 | 112 | 112  |
| 50                         | 10    | 10               | 10  | 10  | 2          | 7    | 7   | 6    | 2                | 10  | 1   | 2    |



|             | SEP | OCT  | NOV | DEC | JAN  | FEB  | MAR | APR | MAY | JUN | JUL | AUG |
|-------------|-----|------|-----|-----|------|------|-----|-----|-----|-----|-----|-----|
| 1           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 2           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 3           | .   | .    | .   | .   | .    | 6.1  | .   | .   | .   | .   | .   | .   |
| 4           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 5           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 6           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 7           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 8           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 9           | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | 3.7 |
| 10          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 11          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 12          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 13          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 14          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 15          | .   | .    | .   | .   | .    | 9.7  | .   | .   | .   | .   | .   | .   |
| 16          | .   | .    | .   | .   | 6.7  | .    | .   | .   | .   | .   | .   | .   |
| 17          | .   | .    | .   | .   | .    | 2.4  | .   | .   | .   | .   | .   | .   |
| 18          | .   | .    | .   | .   | 1.0  | .    | .   | 2.2 | .   | .   | .   | .   |
| 19          | .   | .    | .   | .   | 1.4  | .    | .   | .   | .   | .   | .   | .   |
| 20          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 21          | .   | 3.5  | .   | .   | .    | .    | 4.0 | .   | .   | .   | .   | .   |
| 22          | .   | 11.6 | .   | 5.3 | .    | .    | .   | .   | .   | .   | .   | .   |
| 23          | .   | .    | .   | .   | .    | 1.0  | .   | .   | .   | .   | .   | .   |
| 24          | .   | .    | .   | .   | .    | 3.5  | .   | .   | .   | .   | .   | .   |
| 25          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 26          | .   | 37.3 | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 27          | .   | .    | .   | .   | .    | .    | 2.0 | .   | .   | .   | .   | .   |
| 28          | .   | .    | .   | .   | 5.0  | .    | 2.5 | .   | .   | .   | .   | .   |
| 29          | .   | .    | .   | .   | .2   | .    | .8  | .   | .   | .   | .   | .   |
| 30          | .   | .    | .   | .   | .    | .    | .   | .   | .   | .   | .   | .   |
| 31          | .   | .    | .   | .   | .    | .    | 1.7 | .   | .   | .   | .   | .   |
| TOT         | 5.0 | 51.7 | 0.6 | 5.3 | 14.3 | 18.1 | 5.7 | 7.5 | 7.0 | 3.0 | 0.3 | 3.2 |
| DISPERATION |     |      |     |     |      |      |     |     |     |     |     |     |
| DATA        | 112 | 112  | 112 | 112 | 112  | 112  | 112 | 112 | 112 | 112 | 112 | 112 |
| NO          | 1   | 2    | 3   | 4   | 5    | 6    | 7   | 8   | 9   | 10  | 11  | 12  |

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### AGUARDU DELI GALLICU

JUN 5 1951

[illegible]











STATION 70250

J. CHA

ANNEE 1981/1982

|                               | LATA 30GR, 79 85 |      |      |      | LONGE |      |      |      | ALFA 132 P |     |     |       |
|-------------------------------|------------------|------|------|------|-------|------|------|------|------------|-----|-----|-------|
|                               | SEPT             | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI        | JUN | JUL | AOUT  |
| 1                             | 4.5              |      |      |      |       |      |      |      |            |     |     |       |
| 2                             |                  |      |      |      |       |      |      | 17.2 |            |     |     |       |
| 3                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 4                             |                  |      |      |      |       | 24.5 |      |      |            |     |     |       |
| 5                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 6                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 7                             | 5                |      |      |      |       |      |      |      |            |     |     |       |
| 8                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 9                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 10                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 11                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 12                            |                  |      |      |      |       |      |      |      | 4.7        |     |     | 5.2   |
| 13                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 14                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 15                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 16                            |                  |      |      |      | 11.8  |      |      |      |            |     |     |       |
| 17                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 18                            |                  |      |      |      | 8.3   | 4.7  |      |      |            |     |     |       |
| 19                            |                  |      |      |      |       |      |      | 4.3  |            |     |     |       |
| 20                            |                  |      |      |      |       |      |      | 7.6  |            |     |     |       |
| 21                            |                  | 8.5  |      |      |       |      | 5.7  |      | 1.7        |     |     |       |
| 22                            |                  |      |      | 3.0  |       | 2.1  |      |      |            |     |     |       |
| 23                            |                  |      |      |      |       | 3.0  |      |      |            |     |     |       |
| 24                            |                  | 7.3  |      |      |       |      |      |      |            |     |     |       |
| 25                            |                  | 27.9 |      |      |       |      | 1.7  |      |            |     |     |       |
| 26                            | 3.6              |      |      |      |       |      |      |      |            |     |     |       |
| 27                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 28                            |                  |      |      |      | 2.6   |      |      | 6.5  |            |     |     |       |
| 29                            |                  |      |      |      |       |      |      | 3.7  |            |     |     |       |
| 30                            |                  |      |      |      |       |      |      | 2.5  |            |     |     |       |
| 31                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| TOT                           | 8.4              | 44.7 | 1.0  | 5.9  | 22.7  | 30.1 | 7.2  | 25.1 | 6.7        | 0.0 | 7.3 | 5.3   |
| OBSERVATEUR: MOHAMED KILARRAT |                  |      |      |      |       |      |      |      |            |     |     |       |
| TOTAL ANNEE                   |                  |      |      |      |       |      |      |      |            |     |     | 165.0 |
| DM                            | 172              | 112  | 152  | 112  | 112   | 112  | 112  | 112  | 112        | 112 | 112 | 112   |
| N                             | 3                | 4    | 0    | 1    | 3     | 5    | 3    | 6    | 7          | 0   | 3   | 1     |

STATION 70250

J. CHA

ANNEE 1981/1982

|                               | LATA 30GR, 79 85 |      |      |      | LONGE |      |      |      | ALFA 132 P |     |     |       |
|-------------------------------|------------------|------|------|------|-------|------|------|------|------------|-----|-----|-------|
|                               | SEPT             | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI        | JUN | JUL | AOUT  |
| 1                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 2                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 3                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 4                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 5                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 6                             |                  |      |      |      |       |      |      |      | 1.0        |     |     |       |
| 7                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 8                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 9                             |                  |      |      |      |       |      |      |      |            |     |     |       |
| 10                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 11                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 12                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 13                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 14                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 15                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 16                            |                  |      |      |      | 24.0  |      |      |      |            |     |     |       |
| 17                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 18                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 19                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 20                            |                  | 16.9 |      |      |       |      |      |      |            |     |     |       |
| 21                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 22                            |                  |      |      | 6.0  |       |      |      |      |            |     |     |       |
| 23                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 24                            |                  | 25.7 |      |      |       | 4.0  |      |      |            |     |     |       |
| 25                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 26                            |                  | 8.7  |      |      |       |      |      |      |            |     |     |       |
| 27                            |                  |      |      |      |       |      |      | 3.2  |            |     |     |       |
| 28                            |                  |      |      |      |       |      |      | 2.1  |            |     |     |       |
| 29                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 30                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| 31                            |                  |      |      |      |       |      |      |      |            |     |     |       |
| TOT                           | 0.0              | 40.7 | 0.0  | 0.0  | 24.0  | 12.0 | 0.0  | 1.5  | 1.2        | 0.0 | 1.3 | 0.0   |
| OBSERVATEUR: MOHAMED KILARRAT |                  |      |      |      |       |      |      |      |            |     |     |       |
| TOTAL ANNEE                   |                  |      |      |      |       |      |      |      |            |     |     | 100.0 |
| DM                            | 172              | 112  | 152  | 112  | 112   | 112  | 112  | 112  | 112        | 112 | 112 | 112   |
| N                             | 3                | 4    | 0    | 1    | 3     | 5    | 3    | 6    | 7          | 0   | 3   | 1     |















|     | SAPT. | OCTO | NOV | DECE | JANU | FEBRU | MARCH | APRIL | MAY | JUNE | JULY | AUGUST |
|-----|-------|------|-----|------|------|-------|-------|-------|-----|------|------|--------|
| 1   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 2   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 3   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 4   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 5   | .     | .    | .   | 7.9  | .    | .     | .     | .     | .   | .    | .    | .      |
| 6   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 7   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 8   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 9   | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 10  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 11  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 12  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 13  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 14  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 15  | .     | .    | .   | .    | 7.0  | .     | .     | .     | .   | .    | .    | .      |
| 16  | .     | .    | .   | .    | 8.0  | .     | .     | .     | .   | .    | .    | .      |
| 17  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 18  | .     | .    | .   | .    | 2.0  | .     | .     | .     | .   | .    | .    | .      |
| 19  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 20  | .     | .    | .   | .    | .    | .     | .     | 5.0   | .   | .    | .    | .      |
| 21  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 22  | .     | .    | .   | .    | .    | 4.0   | .     | .     | .   | .    | .    | .      |
| 23  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 24  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 25  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 26  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 27  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| 28  | .     | .    | .   | .    | .    | .     | .     | 3.0   | .   | .    | .    | .      |
| 29  | .     | .    | .   | .    | .    | .     | .     | 3.0   | .   | .    | .    | .      |
| 30  | .     | .    | .   | .    | .    | .     | .     | 1.0   | .   | .    | .    | .      |
| 31  | .     | .    | .   | .    | .    | .     | .     | .     | .   | .    | .    | .      |
| TOT | 0.7   | 0.0  | 0.0 | 2.9  | 17.0 | 4.0   | 4.0   | 12.0  | 0.0 | 0.0  | 0.0  | 0.0    |
| CON | 112   | 150  | 112 | 112  | 112  | 112   | 112   | 112   | 112 | 112  | 112  | 112    |
| N J | 0     | 0    | 0   | 1    | 3    | 4     | 4     | 6     | 0   | 0    | 0    | 0      |

| STATION 71170                 |      | 0000J SAPSAPA ST MICHEL |      | 0.        |      | ANNEX 1981/1982 |       |
|-------------------------------|------|-------------------------|------|-----------|------|-----------------|-------|
| LAT= 30GR.45 CD               |      | LONG= 807.32 89         |      | ALT= 90 M |      |                 |       |
| SEPT                          | OCTO | NOVE                    | DECE | JANV      | FEBV | MARS            | AVRIL |
| 1                             | 2    | 3                       | 4    | 5         | 6    | 7               | 8     |
| 1                             |      |                         |      |           |      |                 |       |
| 2                             |      |                         |      |           |      |                 |       |
| 3                             |      |                         |      |           |      |                 |       |
| 4                             |      |                         |      |           |      |                 |       |
| 5                             |      |                         |      |           |      |                 |       |
| 6                             |      |                         |      |           |      |                 |       |
| 7                             |      |                         |      |           |      |                 |       |
| 8                             |      |                         |      |           |      |                 |       |
| 9                             |      |                         |      |           |      |                 |       |
| 10                            |      |                         |      |           |      |                 |       |
| 11                            |      |                         |      |           |      |                 |       |
| 12                            |      |                         |      |           |      |                 |       |
| 13                            |      |                         |      |           |      |                 |       |
| 14                            |      |                         |      |           |      |                 |       |
| 15                            |      |                         |      |           |      |                 |       |
| 16                            |      |                         |      |           |      |                 |       |
| 17                            |      |                         |      |           |      |                 |       |
| 18                            |      |                         |      |           |      |                 |       |
| 19                            |      |                         |      |           |      |                 |       |
| 20                            |      |                         |      |           |      |                 |       |
| 21                            |      |                         |      |           |      |                 |       |
| 22                            |      |                         |      |           |      |                 |       |
| 23                            |      |                         |      |           |      |                 |       |
| 24                            |      |                         |      |           |      |                 |       |
| 25                            |      |                         |      |           |      |                 |       |
| 26                            |      |                         |      |           |      |                 |       |
| 27                            |      |                         |      |           |      |                 |       |
| 28                            |      |                         |      |           |      |                 |       |
| 29                            |      |                         |      |           |      |                 |       |
| 30                            |      |                         |      |           |      |                 |       |
| 31                            |      |                         |      |           |      |                 |       |
| TOT                           | 0.0  | 6.5                     | 9.0  | 3.2       | 14.4 | 7.6             | 11.9  |
| OBSERVATION - FAHAR PEN JENAI |      |                         |      |           |      |                 |       |
| TOTAL ANNUEL = 51.6           |      |                         |      |           |      |                 |       |
| 0.1                           | 112  | 112                     | 112  | 112       | 112  | 112             | 112   |
| 0.2                           | 1    | 1                       | 1    | 2         | 1    | 3               | 3     |



























| ANNEE 1967/1968 |      |      |      |      |      |      |       |      |      |      |              |
|-----------------|------|------|------|------|------|------|-------|------|------|------|--------------|
| STATION 72177   |      |      |      |      |      |      |       |      |      |      |              |
| TABLE           |      |      |      |      |      |      |       |      |      |      |              |
| ANNEE 1967/1968 |      |      |      |      |      |      |       |      |      |      |              |
| SEPT            | OCTO | NOV  | DECE | JANV | FEBV | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT         |
| 1               |      |      |      |      |      |      |       |      |      |      | 1            |
| 2               |      |      |      |      |      |      |       |      |      |      | 2            |
| 3               |      |      |      |      |      |      |       |      |      |      | 3            |
| 4               |      |      |      |      |      |      |       |      |      |      | 4            |
| 5               |      |      |      |      |      |      |       |      |      |      | 5            |
| 6               |      |      |      |      |      |      |       |      |      |      | 6            |
| 7               |      |      |      |      |      |      |       |      |      |      | 7            |
| 8               |      |      |      |      |      |      |       |      |      |      | 8            |
| 9               |      |      |      |      |      |      |       |      |      |      | 9            |
| 10              |      |      |      |      |      |      |       |      |      |      | 10           |
| 11              |      |      |      |      |      |      |       |      |      |      | 11           |
| 12              |      |      |      |      |      |      |       |      |      |      | 12           |
| 13              |      |      |      |      |      |      |       |      |      |      | 13           |
| 14              |      |      |      |      |      |      |       |      |      |      | 14           |
| 15              |      |      |      |      |      |      |       |      |      |      | 15           |
| 16              |      |      |      |      |      |      |       |      |      |      | 16           |
| 17              |      |      |      |      |      |      |       |      |      |      | 17           |
| 18              |      |      |      |      |      |      |       |      |      |      | 18           |
| 19              |      |      |      |      |      |      |       |      |      |      | 19           |
| 20              |      |      |      |      |      |      |       |      |      |      | 20           |
| 21              |      |      |      |      |      |      |       |      |      |      | 21           |
| 22              |      |      |      |      |      |      |       |      |      |      | 22           |
| 23              |      |      |      |      |      |      |       |      |      |      | 23           |
| 24              |      |      |      |      |      |      |       |      |      |      | 24           |
| 25              |      |      |      |      |      |      |       |      |      |      | 25           |
| 26              |      |      |      |      |      |      |       |      |      |      | 26           |
| 27              |      |      |      |      |      |      |       |      |      |      | 27           |
| 28              |      |      |      |      |      |      |       |      |      |      | 28           |
| 29              |      |      |      |      |      |      |       |      |      |      | 29           |
| 30              |      |      |      |      |      |      |       |      |      |      | 30           |
| 31              |      |      |      |      |      |      |       |      |      |      | 31           |
| TOT             | 7.0  | 11.0 | 2.0  | 19.0 | 13.0 | 10.0 | 10.0  | 30.0 | 1.0  | 0.0  | 0.0          |
| OBSERVATIONS    |      |      |      |      |      |      |       |      |      |      | TOTAL ANNUEL |
|                 |      |      |      |      |      |      |       |      |      |      | 211.0        |
| CH              | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112          |
| CH              | 1    | 2    | 2    | 3    | 3    | 4    | 5     | 6    | 7    | 0    | 0            |

STATION 72177

BOUEN

ANNEE 1967/1968

| ANNEE 1967/1968 |      |      |      |      |      |      |       |      |      |      |              |
|-----------------|------|------|------|------|------|------|-------|------|------|------|--------------|
| STATION 72177   |      |      |      |      |      |      |       |      |      |      |              |
| TABLE           |      |      |      |      |      |      |       |      |      |      |              |
| ANNEE 1967/1968 |      |      |      |      |      |      |       |      |      |      |              |
| SEPT            | OCTO | NOV  | DECE | JANV | FEBV | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT         |
| 1               |      |      |      |      |      |      |       |      |      |      | 1            |
| 2               |      |      |      |      |      |      |       |      |      |      | 2            |
| 3               |      |      |      |      |      |      |       |      |      |      | 3            |
| 4               |      |      |      |      |      |      |       |      |      |      | 4            |
| 5               |      |      |      |      |      |      |       |      |      |      | 5            |
| 6               |      |      |      |      |      |      |       |      |      |      | 6            |
| 7               |      |      |      |      |      |      |       |      |      |      | 7            |
| 8               |      |      |      |      |      |      |       |      |      |      | 8            |
| 9               |      |      |      |      |      |      |       |      |      |      | 9            |
| 10              |      |      |      |      |      |      |       |      |      |      | 10           |
| 11              |      |      |      |      |      |      |       |      |      |      | 11           |
| 12              |      |      |      |      |      |      |       |      |      |      | 12           |
| 13              |      |      |      |      |      |      |       |      |      |      | 13           |
| 14              |      |      |      |      |      |      |       |      |      |      | 14           |
| 15              |      |      |      |      |      |      |       |      |      |      | 15           |
| 16              |      |      |      |      |      |      |       |      |      |      | 16           |
| 17              |      |      |      |      |      |      |       |      |      |      | 17           |
| 18              |      |      |      |      |      |      |       |      |      |      | 18           |
| 19              |      |      |      |      |      |      |       |      |      |      | 19           |
| 20              |      |      |      |      |      |      |       |      |      |      | 20           |
| 21              |      |      |      |      |      |      |       |      |      |      | 21           |
| 22              |      |      |      |      |      |      |       |      |      |      | 22           |
| 23              |      |      |      |      |      |      |       |      |      |      | 23           |
| 24              |      |      |      |      |      |      |       |      |      |      | 24           |
| 25              |      |      |      |      |      |      |       |      |      |      | 25           |
| 26              |      |      |      |      |      |      |       |      |      |      | 26           |
| 27              |      |      |      |      |      |      |       |      |      |      | 27           |
| 28              |      |      |      |      |      |      |       |      |      |      | 28           |
| 29              |      |      |      |      |      |      |       |      |      |      | 29           |
| 30              |      |      |      |      |      |      |       |      |      |      | 30           |
| 31              |      |      |      |      |      |      |       |      |      |      | 31           |
| TOT             | 7.0  | 11.0 | 2.0  | 19.0 | 13.0 | 10.0 | 10.0  | 30.0 | 1.0  | 0.0  | 0.0          |
| OBSERVATIONS    |      |      |      |      |      |      |       |      |      |      | TOTAL ANNUEL |
|                 |      |      |      |      |      |      |       |      |      |      | 211.0        |
| CH              | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112          |
| CH              | 1    | 2    | 2    | 3    | 3    | 4    | 5     | 6    | 7    | 0    | 0            |



| STATION 22259                                 |      |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|------|
| SITE LE MOUTASSARA                            |      |      |      |      |      |      |      |      |      |      |      |
| ANNEE 1981/1982                               |      |      |      |      |      |      |      |      |      |      |      |
| LAT= 38GR.42' 20" LONG= 5GR.27' 50" ALT= 50 M |      |      |      |      |      |      |      |      |      |      |      |
| SEPT  | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |
| 1   |      |      |      |      |      |      | 0.0  |      |      |      | 1    |
| 2   |      |      |      |      |      |      | 1.0  |      |      |      | 2    |
| 3   |      |      |      |      |      |      |      |      |      |      | 3    |
| 4   |      |      |      |      |      |      |      |      |      |      | 4    |
| 5   |      |      |      |      |      |      |      |      |      |      | 5    |
| 6   |      |      |      |      |      |      |      |      |      |      | 6    |
| 7   |      |      |      |      |      |      |      |      |      |      | 7    |
| 8   |      |      |      |      |      |      |      |      |      |      | 8    |
| 9   |      |      |      |      |      |      |      |      |      |      | 9    |
| 10  |      |      |      |      |      |      |      |      |      |      | 10   |
| 11  |      |      |      |      |      |      |      |      |      |      | 11   |
| 12  |      |      |      |      |      |      |      |      |      |      | 12   |
| 13  |      |      |      |      |      |      |      |      |      |      | 13   |
| 14  |      |      |      |      |      |      |      |      |      |      | 14   |
| 15  |      |      |      | 6.1  |      |      |      |      |      |      | 15   |
| 16  |      |      |      |      |      |      |      |      |      |      | 16   |
| 17  |      |      |      |      |      |      |      |      |      |      | 17   |
| 18  |      |      |      |      |      |      |      |      |      |      | 18   |
| 19  |      |      |      | 8.7  |      |      |      |      |      |      | 19   |
| 20  | 1.6  |      |      | 1.5  |      |      |      |      |      |      | 20   |
| 21  |      |      |      |      |      | 7.7  |      |      |      |      | 21   |
| 22  |      |      | 2.1  |      | 1.7  |      |      |      |      |      | 22   |
| 23  | 2.3  |      |      |      | 1.8  |      |      |      |      |      | 23   |
| 24  |      |      |      |      | 6.6  |      |      |      |      |      | 24   |
| 25  | 22.3 |      |      |      |      |      |      |      |      |      | 25   |
| 26  |      |      |      |      |      |      | 5.5  |      |      |      | 26   |
| 27  |      |      |      |      | 1.3  |      |      |      |      |      | 27   |
| 28  |      |      |      | 1.4  |      |      |      |      |      |      | 28   |
| 29  | 1.3  |      |      |      |      |      |      |      |      |      | 29   |
| 30  |      |      |      |      |      | 1.6  |      |      |      |      | 30   |
| 31  |      |      |      |      |      |      |      |      |      |      | 31   |
| TOT   | 3.6  | 26.9 | 3.6  | 2.1  | 18.9 | 8.4  | 8.7  | 12.5 | 0.0  | 3.0  | 0.3  |
| OBSERVATION=                                  |      |      |      |      |      |      |      |      |      |      |      |
| TOTAL ANNUEL= 77.7                            |      |      |      |      |      |      |      |      |      |      |      |
| COM = 112                                     | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |
| U = 0   | 4    | 1    | 1    | 5    | 7    | 2    | 3    | 7    | 0    | 3    | 16   |

| STATION 22285                                 |      |      |      |      |      |      |      |     |      |      |      |
|---|------|------|------|------|------|------|------|-----|------|------|------|
| SITE DE ST LOUIS JUSTEPECH                    |      |      |      |      |      |      |      |     |      |      |      |
| ANNEE 1981/1982                               |      |      |      |      |      |      |      |     |      |      |      |
| LAT= 38GR.08' 57" LONG= 5GR.45' 40" ALT= 65 M |      |      |      |      |      |      |      |     |      |      |      |
| SEPT  | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT |
| 1   |      |      |      |      |      |      |      |     |      |      | 1    |
| 2   |      |      |      |      |      |      |      |     |      |      | 2    |
| 3   |      |      |      |      |      |      |      |     |      |      | 3    |
| 4   |      |      |      |      | 12.0 |      |      |     |      |      | 4    |
| 5   |      |      |      |      |      |      |      |     |      |      | 5    |
| 6   |      |      |      |      |      |      |      |     |      |      | 6    |
| 7   |      |      |      |      |      |      |      |     |      |      | 7    |
| 8   |      |      |      |      |      |      |      |     |      |      | 8    |
| 9   |      |      |      |      |      |      |      |     |      |      | 9    |
| 10  |      |      |      |      |      |      |      |     |      |      | 10   |
| 11  |      |      |      |      |      |      |      |     |      |      | 11   |
| 12  |      |      |      |      |      |      |      |     |      |      | 12   |
| 13  |      |      |      |      |      |      |      |     |      |      | 13   |
| 14  |      |      |      |      |      |      |      |     |      |      | 14   |
| 15  |      |      |      | 14.0 | 6.0  |      |      |     |      |      | 15   |
| 16  |      |      |      |      |      |      |      |     |      |      | 16   |
| 17  |      |      |      |      |      |      |      |     |      |      | 17   |
| 18  |      |      |      |      | 5.7  |      |      |     |      |      | 18   |
| 19  |      |      |      | 1.0  |      |      | 1.5  |     |      |      | 19   |
| 20  |      |      |      | 1.7  |      |      | 1.5  |     |      |      | 20   |
| 21  |      | 11.5 |      |      |      | 6.5  |      |     |      |      | 21   |
| 22  |      | 3.3  |      | 5.0  | 1.4  |      |      |     |      |      | 22   |
| 23  |      |      |      | 3.1  |      |      |      |     |      |      | 23   |
| 24  |      | 16.3 |      |      |      |      |      |     |      |      | 24   |
| 25  |      | 10.5 |      |      |      |      |      |     |      |      | 25   |
| 26  | 3.0  |      |      |      |      |      |      |     |      |      | 26   |
| 27  |      |      |      |      |      |      | 6.5  |     |      |      | 27   |
| 28  |      |      |      |      |      |      |      |     |      |      | 28   |
| 29  |      |      |      | 3.6  |      |      | 1.4  |     |      |      | 29   |
| 30  |      |      |      |      |      |      |      |     |      |      | 30   |
| 31  |      |      |      |      |      |      |      |     |      |      | 31   |
| TOT   | 3.0  | 49.3 | 1.0  | 6.1  | 20.1 | 13.7 | 8.5  | 3.7 | 1.0  | 0.0  | 0.3  |
| OBSERVATION=                                  |      |      |      |      |      |      |      |     |      |      |      |
| TOTAL ANNUEL= 117.0                           |      |      |      |      |      |      |      |     |      |      |      |
| COM = 112                                     | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112  | 112  | 112  |
| U = 0   | 4    | 1    | 1    | 5    | 7    | 2    | 3    | 7   | 0    | 3    | 16   |



STATION 72303

ONE FLCH SHALMITY

ANNEE 1981/1982

| LATE 18GR. AN 40 |      | LONGR |      | 8GR. 30 10 |      | ALT= 117 " |       |      |     |     |      |      |  |
|------------------|------|-------|------|------------|------|------------|-------|------|-----|-----|------|------|--|
| SEPT             | OCTO | NOVE  | DECE | JANV       | FEBV | MARS       | AVRIL | MAI  | JUN | JUL | AOUT |      |  |
| 1                |      |       |      |            |      |            | 10.0  |      |     |     |      | 1    |  |
| 2                |      |       |      |            |      |            |       |      |     |     |      | 2    |  |
| 3                | 1.0  |       |      |            | 13.0 |            |       |      |     |     |      | 3    |  |
| 4                |      |       |      |            |      |            |       |      |     |     |      | 4    |  |
| 5                |      |       |      |            |      |            |       |      |     |     |      | 5    |  |
| 6                |      |       |      |            | 2.0  |            |       |      |     |     |      | 6    |  |
| 7                | 5.0  |       |      |            |      |            |       | 1.0  |     |     |      | 7    |  |
| 8                |      |       |      |            |      |            |       |      |     |     |      | 8    |  |
| 9                |      |       |      |            |      |            |       |      |     |     | 21.0 | 9    |  |
| 10               |      |       |      |            |      |            |       |      |     |     |      | 10   |  |
| 11               |      |       |      |            |      |            |       | 6.5  |     |     |      | 11   |  |
| 12               |      |       |      |            |      |            |       | 2.5  |     |     |      | 12   |  |
| 13               |      |       |      |            |      |            |       |      |     |     |      | 13   |  |
| 14               |      |       | 1.0  |            | 1.5  |            |       |      |     |     |      | 14   |  |
| 15               |      |       |      |            |      |            |       |      |     |     |      | 15   |  |
| 16               |      |       |      | 4.0        |      |            |       |      |     |     |      | 16   |  |
| 17               |      |       |      |            | 7.0  |            |       |      |     |     |      | 17   |  |
| 18               |      |       |      | 10.0       |      |            | 4.5   |      |     |     |      | 18   |  |
| 19               |      |       |      |            |      |            |       |      |     |     |      | 19   |  |
| 20               |      |       |      |            |      |            |       |      |     |     |      | 20   |  |
| 21               |      | 26.0  |      | 4.0        | 1.0  | 7.0        |       |      |     |     |      | 21   |  |
| 22               |      | 5.5   |      |            | 3.5  |            |       |      |     |     |      | 22   |  |
| 23               |      |       | 4.5  | 4.0        | 1.0  |            |       |      |     |     |      | 23   |  |
| 24               |      | 5.0   |      |            |      |            |       |      |     |     |      | 24   |  |
| 25               |      | 25.5  |      |            |      | 2.5        |       |      |     |     |      | 25   |  |
| 26               |      |       |      |            |      |            |       |      |     |     |      | 26   |  |
| 27               |      |       |      |            |      |            | 12.0  |      |     |     |      | 27   |  |
| 28               |      |       |      |            |      |            |       |      |     |     |      | 28   |  |
| 29               |      |       |      | 3.0        |      |            |       |      |     |     |      | 29   |  |
| 30               |      |       |      |            |      |            |       |      |     |     |      | 30   |  |
| 31               |      |       |      |            |      |            |       |      |     |     |      | 31   |  |
| TOT              | 5.0  | 58.0  | 1.0  | 4.5        | 25.0 | 76.0       | 10.0  | 24.5 | 9.5 | 0.0 | 0.0  | 30.0 |  |

TOTAL ANNEE = 134.5

OBSERVATEUR

|       |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| COPIE | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |    |
| N J   | 2   | 4   | 1   | 1   | 5   | 2   | 3   | 3   | 3   | 0   | 3   | 1   | 55 |

STATION 72357

DEAA BEN ZED

ANNEE 1981/1982

| LATE 18GR. 50 00 |      | LONGR |      | 8GR. 45 70 |      | ALT= 30 " |       |      |     |     |      |      |  |
|------------------|------|-------|------|------------|------|-----------|-------|------|-----|-----|------|------|--|
| SEPT             | OCTO | NOVE  | DECE | JANV       | FEBV | MARS      | AVRIL | MAI  | JUN | JUL | AOUT |      |  |
| 1                |      |       |      |            | 6.0  |           | 4.0   |      |     |     |      | 1    |  |
| 2                |      |       |      |            |      |           |       |      |     |     |      | 2    |  |
| 3                |      |       |      |            |      |           |       |      |     |     |      | 3    |  |
| 4                |      |       |      |            | 6.0  |           |       |      |     |     |      | 4    |  |
| 5                |      |       |      |            | 1.0  |           |       |      |     |     |      | 5    |  |
| 6                |      |       |      |            |      |           |       |      |     |     |      | 6    |  |
| 7                |      |       |      |            |      |           |       |      |     |     |      | 7    |  |
| 8                |      |       |      |            |      |           |       |      |     |     | 16.5 | 8    |  |
| 9                |      |       |      |            |      |           |       |      |     |     |      | 9    |  |
| 10               |      |       |      |            | 7.0  |           |       |      |     |     |      | 10   |  |
| 11               |      |       |      |            |      |           |       |      |     |     |      | 11   |  |
| 12               |      |       |      |            | 1.0  |           |       |      |     |     |      | 12   |  |
| 13               |      |       |      |            |      |           |       |      |     |     |      | 13   |  |
| 14               |      |       |      |            |      |           |       |      |     |     |      | 14   |  |
| 15               |      |       |      |            |      |           |       |      |     |     |      | 15   |  |
| 16               |      |       |      | 10.0       |      |           |       |      |     |     |      | 16   |  |
| 17               |      |       |      | 3.0        |      |           |       |      |     |     |      | 17   |  |
| 18               |      |       |      | 2.0        |      |           |       |      |     |     |      | 18   |  |
| 19               |      |       |      |            |      |           | 4.0   |      |     |     |      | 19   |  |
| 20               |      |       |      |            |      |           |       |      |     |     |      | 20   |  |
| 21               |      | 8.9   |      |            |      |           |       |      |     |     |      | 21   |  |
| 22               |      | 10.0  |      |            |      | 5.0       |       |      |     |     |      | 22   |  |
| 23               |      |       |      |            |      |           |       |      |     |     |      | 23   |  |
| 24               |      | 7.0   |      |            |      | 5.0       |       |      |     |     |      | 24   |  |
| 25               |      |       |      |            |      |           |       |      |     |     |      | 25   |  |
| 26               |      | 10.5  |      |            |      |           |       |      |     |     |      | 26   |  |
| 27               |      |       |      |            |      |           | 3.0   |      |     |     |      | 27   |  |
| 28               |      |       |      |            |      |           | 9.0   |      |     |     |      | 28   |  |
| 29               |      |       |      |            |      |           |       |      |     |     |      | 29   |  |
| 30               |      |       |      |            |      |           |       |      |     |     |      | 30   |  |
| 31               |      |       |      |            |      |           |       |      |     |     |      | 31   |  |
| TOT              | 0.0  | 55.9  | 0.0  | 0.0        | 15.0 | 25.0      | 6.0   | 17.0 | 0.0 | 0.0 | 0.0  | 15.5 |  |

TOTAL ANNEE = 135.4

OBSERVATEUR: MOHAMED CHFILL







518" 75" 2 2/3" 4 1/2"

5. 21.2.1954 COLOMBIA INDIO

4.  $\mathcal{P}_1, \dots, \mathcal{P}_n$  are  $\mathcal{P}_1, \dots, \mathcal{P}_n$  in  $\mathcal{P}_1, \dots, \mathcal{P}_n$ .

L A 1 - 125 P. 15 40

$$u_1 = \bar{u}_1 =$$

360 17 95

$$A_L \approx$$

5.

[illegible]

41 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818 2819 2820 2821 2822 2823 2824 2825 2826 2827 2828 2829 2830 2831 283

[illegible]

|      |     |      |     |     |      |    |     |     |     |     |     |     |
|------|-----|------|-----|-----|------|----|-----|-----|-----|-----|-----|-----|
| 1981 | 3.0 | 46.2 | 7.6 | 8.0 | 21.7 | 44 | 7.5 | 5.0 | 3.0 | 2.0 | 0.3 | 0.2 |
|------|-----|------|-----|-----|------|----|-----|-----|-----|-----|-----|-----|

385 E 27th St, New York, NY 10016

TOTAL ATTITUDE 4.2000

[illegible]

1998 年 12 月 10 日 星期五

STATION 73074

H L J G A C F M

DATE: 1981/1/21

AT 7868.76 70

LEBGA

367, 27 50

ULT

851

|      |     |      |      |      |      |      |       |     |     |     |     |
|------|-----|------|------|------|------|------|-------|-----|-----|-----|-----|
| SEPT | AUG | JULY | DECE | JANU | FEBR | MARS | AVRIL | MAL | JUN | JUL | AUG |
|------|-----|------|------|------|------|------|-------|-----|-----|-----|-----|

NAME \_\_\_\_\_

[illegible]

|      |     |      |     |     |      |     |     |     |     |     |     |
|------|-----|------|-----|-----|------|-----|-----|-----|-----|-----|-----|
| 1977 | 8.7 | 16.2 | 9.5 | 8.5 | 15.5 | 1.5 | 2.0 | 0.7 | 0.5 | 2.0 | 0.5 |
|------|-----|------|-----|-----|------|-----|-----|-----|-----|-----|-----|

3 15 5 9 4 2 1 0 4 4

**TOTAL AVAILABLE + 4700**

|   |     |     |     |     |     |     |     |      |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 1 | 105 | 112 | 113 | 551 | 111 | 326 | 390 | 1112 | 182 | 119 |
|---|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|















| STATION 73466 |     | JOURNAL FOUFARE |      |      |      |      |      |      |      |     |     | ANNÉE 1981/1982 |      |     |     |
|---------------|-----|-----------------|------|------|------|------|------|------|------|-----|-----|-----------------|------|-----|-----|
|               |     | LATE 3000.00 CO |      |      |      |      |      |      |      |     |     | ALT = 128 M     |      |     |     |
|               |     | SEPT            | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI | JUN | JUL             | AOUT |     |     |
|               |     |                 |      |      |      |      |      |      |      |     |     |                 |      |     |     |
| 1             |     |                 |      |      |      |      |      |      | 5.0  |     |     |                 |      | 1   |     |
| 2             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 2   |     |
| 3             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 3   |     |
| 4             |     |                 |      |      | 1.3  |      | 13.5 |      |      |     |     |                 |      | 4   |     |
| 5             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 5   |     |
| 6             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 6   |     |
| 7             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 7   |     |
| 8             |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 8   |     |
| 9             |     |                 |      |      |      |      |      |      |      |     |     |                 | 10.2 | 9   |     |
| 10            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 10  |     |
| 11            |     |                 |      |      |      |      |      |      |      | 1.5 |     |                 |      | 11  |     |
| 12            |     |                 |      |      |      |      |      |      |      | 1.0 |     |                 |      | 12  |     |
| 13            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 13  |     |
| 14            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 14  |     |
| 15            |     |                 |      |      |      | 3.7  |      |      |      |     |     |                 |      | 15  |     |
| 16            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 16  |     |
| 17            |     |                 |      |      |      |      | 2.0  |      |      |     |     |                 |      | 17  |     |
| 18            |     |                 |      |      |      |      |      |      | 5.0  |     |     |                 |      | 18  |     |
| 19            |     |                 |      |      |      | 5.5  |      |      | 1.5  |     |     |                 |      | 19  |     |
| 20            |     |                 | 2.7  |      |      |      |      |      |      |     |     |                 |      | 20  |     |
| 21            |     |                 |      |      |      |      |      | 7.0  |      |     |     |                 |      | 21  |     |
| 22            |     |                 |      |      | 4.5  |      |      |      |      |     |     |                 |      | 22  |     |
| 23            |     |                 | 3.0  |      |      |      |      |      |      |     |     |                 |      | 23  |     |
| 24            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 24  |     |
| 25            |     |                 | 20.0 |      |      |      |      |      |      |     |     |                 |      | 25  |     |
| 26            |     |                 |      |      |      |      |      |      |      | 5.0 |     |                 |      | 26  |     |
| 27            | 5.7 |                 |      |      |      |      |      |      | 1.5  |     |     |                 |      | 27  |     |
| 28            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 28  |     |
| 29            |     |                 |      |      |      | 4.2  |      |      |      |     |     |                 |      | 29  |     |
| 30            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 30  |     |
| 31            |     |                 |      |      |      |      |      |      |      |     |     |                 |      | 31  |     |
| TOT           | 6.7 | 12.7            | 0.5  | 5.0  | 13.4 | 24.5 | 7.5  | 22.0 | 2.5  | 0.0 | 0.0 | 10.2            |      |     |     |
| OBSERVATEUR   |     |                 |      |      |      |      |      |      |      |     |     |                 |      |     |     |
| CON = 112     | 112 | 112             | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112 | 112             | 112  | 112 | 112 |
| A J           | 1   | 3               | 1    | 2    | 3    | 1    | 2    | 5    | 2    | 0   | 1   | 1               | 1    | 1   | 1   |

| STATION 73500 |     | KALAA KIZINA    |      |      |       |      |      |      |      |      |     | ANNÉE 1981/1982 |      |     |     |
|---------------|-----|-----------------|------|------|-------|------|------|------|------|------|-----|-----------------|------|-----|-----|
|               |     | LATE 3700.00 CO |      |      |       |      |      |      |      |      |     | ALT = 50 M      |      |     |     |
|               |     | SEPT            | OCTO | NOVE | DECE  | JANV | FEBV | MARS | AVRI | MAI  | JUN | JUL             | AOUT |     |     |
|               |     |                 |      |      |       |      |      |      |      |      |     |                 |      |     |     |
| 1             |     |                 |      |      |       |      |      |      |      | 5.0  |     |                 |      | 1   |     |
| 2             |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 2   |     |
| 3             |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 3   |     |
| 4             |     |                 |      |      | 2.0   |      |      |      |      |      |     |                 |      | 4   |     |
| 5             |     |                 |      |      | 5.5   |      |      |      |      |      |     |                 |      | 5   |     |
| 6             |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 6   |     |
| 7             |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 7   |     |
| 8             |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 8   |     |
| 9             |     |                 |      |      |       |      |      |      |      | 2.5  |     |                 |      | 9   |     |
| 10            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 10  |     |
| 11            |     |                 |      |      |       |      |      |      |      | 6.0  |     |                 |      | 11  |     |
| 12            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 12  |     |
| 13            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 13  |     |
| 14            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 14  |     |
| 15            |     |                 |      |      |       |      |      |      |      | 24.0 |     |                 |      | 15  |     |
| 16            |     |                 |      |      |       | 58.0 |      |      |      |      |     |                 |      | 16  |     |
| 17            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 17  |     |
| 18            |     |                 |      |      |       | 24.0 |      | 3.0  | 2.0  |      |     |                 |      | 18  |     |
| 19            |     |                 |      |      |       | 7.0  |      |      | 3.0  |      |     |                 |      | 19  |     |
| 20            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 20  |     |
| 21            |     |                 | 4.0  |      |       |      |      | 2.0  | 7.0  |      |     |                 |      | 21  |     |
| 22            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 22  |     |
| 23            |     |                 |      |      | 6.5   |      |      |      |      |      |     |                 |      | 23  |     |
| 24            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 24  |     |
| 25            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 25  |     |
| 26            |     |                 |      |      |       |      |      |      |      | 2.0  |     |                 |      | 26  |     |
| 27            | 5.5 | 15.0            |      |      |       |      |      |      |      |      |     |                 |      | 27  |     |
| 28            |     |                 |      |      |       | 2.0  |      |      |      |      |     |                 |      | 28  |     |
| 29            |     |                 |      |      |       | 12.5 |      |      |      |      |     |                 |      | 29  |     |
| 30            |     |                 |      |      | 2.0   |      |      |      |      |      |     |                 |      | 30  |     |
| 31            |     |                 |      |      |       |      |      |      |      |      |     |                 |      | 31  |     |
| TOT           | 6.5 | 19.0            | 2.0  | 16.0 | 105.5 | 17.5 | 10.0 | 16.0 | 13.5 | 0.0  | 0.0 | 3.0             |      |     |     |
| OBSERVATEUR   |     |                 |      |      |       |      |      |      |      |      |     |                 |      |     |     |
| CON = 112     | 112 | 112             | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112 | 112             | 112  | 112 | 112 |
| A J           | 1   | 3               | 1    | 2    | 3     | 1    | 2    | 5    | 2    | 0    | 1   | 1               | 1    | 1   | 1   |











| LATA 56GR.56 20 LONE- 0.96R.55 30 ALT- 3 M |      |      |      |      |      |      |       |     |      |      |                    |
|--|------|------|------|------|------|------|-------|-----|------|------|--------------------|
| SEPT                                       | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRIL | MAI | JUIN | JUIL | AOUT               |
| 1  |      | 2.1  |      |      |      |      | 25.1  |     |      |      | 1                  |
| 2  |      |      |      |      |      |      |       |     |      |      | 2                  |
| 3  | 7.2  |      |      |      |      |      | 7.2   |     |      |      | 3                  |
| 4  |      |      |      |      |      |      |       |     |      |      | 4                  |
| 5  |      |      |      |      |      |      |       |     |      |      | 5                  |
| 6  |      |      |      |      |      |      |       |     |      |      | 6                  |
| 7  |      |      |      |      |      |      |       |     |      |      | 7                  |
| 8  |      |      |      |      |      |      |       |     |      |      | 8                  |
| 9  |      |      |      |      |      |      |       |     |      |      | 9                  |
| 10   |      |      |      |      |      |      |       |     |      |      | 10                 |
| 11   |      |      |      |      |      |      |       |     |      |      | 11                 |
| 12   |      |      |      |      |      |      |       |     |      |      | 12                 |
| 13   |      |      |      |      | 7.0  |      |       |     |      |      | 13                 |
| 14   |      |      |      |      | 2.0  |      |       |     |      |      | 14                 |
| 15   |      |      |      |      |      |      |       |     |      |      | 15                 |
| 16   |      |      |      |      |      |      |       |     |      |      | 16                 |
| 17   |      |      |      |      |      |      |       |     |      |      | 17                 |
| 18   |      |      |      |      |      |      |       |     |      |      | 18                 |
| 19   |      |      |      |      |      |      |       |     |      |      | 19                 |
| 20   |      |      |      | 2.2  |      | 6.5  | 2.0   |     |      |      | 20                 |
| 21   | 2.3  |      |      |      |      |      | 2.3   |     |      |      | 21                 |
| 22   | 3.1  |      | 4.0  |      |      | 1.0  |       |     |      |      | 22                 |
| 23   |      |      |      |      |      |      |       |     |      |      | 23                 |
| 24   |      |      |      |      |      |      |       |     |      |      | 24                 |
| 25   | 17.2 |      |      |      | 5.0  |      |       |     |      |      | 25                 |
| 26   |      |      |      | 1.4  |      |      |       |     |      |      | 26                 |
| 27   |      |      |      |      |      |      | 7.5   |     |      |      | 27                 |
| 28   |      |      |      |      |      |      | 1.2   |     |      |      | 28                 |
| 29   |      |      |      | 7.5  |      |      |       |     |      |      | 29                 |
| 30   |      |      |      |      |      |      |       |     |      |      | 30                 |
| 31   |      |      |      |      |      |      |       |     |      |      | 31                 |
| TOT  | 3.0  | 75.4 | 2.0  | 6.0  | 11.0 | 5.0  | 7.5   | 1.2 | 0.0  | 0.0  | 70.2               |
| OBSERVATION                                |      |      |      |      |      |      |       |     |      |      | TOTAL ANNUEL 105.2 |
| COE  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112                |
| NO   | 1    | 3    | 1    | 1    | 3    | 1    | 2     | 4   | 0    | 0    | 3                  |

STATION 73642

KERKEH

ANNEE 1981/1982

LATA 56GR.56 20

LONE- 0.96R.55 30

ALT- 3 M

| SEPT        | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRIL | MAI | JUIN | JUIL | AOUT              |
|-------------|------|------|------|------|------|------|-------|-----|------|------|-------------------|
| 1           |      |      |      |      |      |      |       |     |      |      | 1                 |
| 2           |      |      |      |      |      |      |       |     |      |      | 2                 |
| 3           |      |      |      |      |      |      | 4.9   |     |      |      | 3                 |
| 4           |      |      |      |      |      |      |       |     |      |      | 4                 |
| 5           |      |      |      |      |      |      |       |     |      |      | 5                 |
| 6           |      |      |      |      |      |      |       |     |      |      | 6                 |
| 7           |      |      |      |      |      |      |       |     |      |      | 7                 |
| 8           |      |      |      |      |      |      |       |     |      |      | 8                 |
| 9           |      |      |      |      |      |      |       |     |      |      | 9                 |
| 10          |      |      |      |      |      |      |       |     |      |      | 10                |
| 11          |      |      |      |      |      |      |       |     |      |      | 11                |
| 12          |      |      |      |      |      |      |       |     |      |      | 12                |
| 13          |      |      |      |      | 1.5  |      |       |     |      |      | 13                |
| 14          |      |      |      |      | 2.0  |      |       |     |      |      | 14                |
| 15          |      |      |      |      |      |      |       |     |      |      | 15                |
| 16          |      |      |      |      |      |      |       |     |      |      | 16                |
| 17          |      |      |      |      |      |      |       |     |      |      | 17                |
| 18          |      |      |      |      |      |      | 1.5   |     |      |      | 18                |
| 19          |      |      |      |      |      |      |       |     |      |      | 19                |
| 20          |      |      |      |      |      | 3.0  |       |     |      |      | 20                |
| 21          | 3.1  |      |      |      |      |      |       |     |      |      | 21                |
| 22          | 3.0  |      |      |      |      |      |       |     |      |      | 22                |
| 23          |      |      |      |      |      | 1.5  |       |     |      |      | 23                |
| 24          |      |      |      |      | 2.0  |      |       |     |      |      | 24                |
| 25          |      |      |      |      |      |      | 5.0   |     |      |      | 25                |
| 26          | 22.0 |      |      |      |      |      | 15.0  |     |      |      | 26                |
| 27          |      |      |      |      | 4.0  |      | 17.0  |     |      |      | 27                |
| 28          |      |      |      |      | 7.0  |      |       |     |      |      | 28                |
| 29          |      |      |      |      |      |      |       |     |      |      | 29                |
| 30          |      |      |      |      |      |      | 1.2   |     |      |      | 30                |
| 31          |      |      |      |      |      |      |       |     |      |      | 31                |
| TOT         | 30.1 | 63.0 | 7.0  | 6.0  | 11.0 | 5.0  | 24.5  | 7.0 | 1.0  | 0.0  | 70.2              |
| OBSERVATION |      |      |      |      |      |      |       |     |      |      | TOTAL ANNUEL 23.7 |
| COE         | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112               |
| NO          | 1    | 3    | 1    | 1    | 3    | 1    | 2     | 4   | 0    | 0    | 3                 |



| LAT 3504.65 N LONG 140.25 W ALT 20 M |      |      |      |      |      |      |       |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|-------|------|------|------|------|
| SEPT                                 | OCTO | NOVE | DECE | JANV | FEVR | MARS | AVRIL | MAL  | JUNN | JULI | AUGU |
| 1                                    |      |      |      |      |      |      | 25.0  |      |      |      | 1    |
| 2                                    |      |      |      |      |      |      | 3.0   |      |      |      | 2    |
| 3                                    |      |      |      |      |      |      |       |      |      |      | 3    |
| 4                                    |      |      |      |      |      |      |       |      |      |      | 4    |
| 5                                    |      |      |      |      |      |      |       |      |      |      | 5    |
| 6                                    |      |      |      |      |      |      | 1.0   |      |      |      | 6    |
| 7                                    |      |      |      |      |      |      |       |      |      |      | 7    |
| 8                                    |      |      |      |      |      |      |       |      |      |      | 8    |
| 9                                    |      |      |      |      |      |      |       |      |      |      | 9    |
| 10                                   |      |      |      |      |      |      |       |      |      |      | 10   |
| 11                                   |      |      |      |      |      |      |       |      |      |      | 11   |
| 12                                   |      |      |      |      |      |      |       |      |      |      | 12   |
| 13                                   |      |      |      |      |      |      |       |      |      |      | 13   |
| 14                                   |      |      |      |      |      |      |       |      |      |      | 14   |
| 15                                   |      |      |      |      |      |      |       |      |      |      | 15   |
| 16                                   |      |      |      |      |      |      |       |      |      |      | 16   |
| 17                                   |      |      |      |      |      |      |       |      |      |      | 17   |
| 18                                   |      |      |      |      |      | 2.0  |       |      |      |      | 18   |
| 19                                   |      |      |      |      |      | 1.0  |       |      |      |      | 19   |
| 20                                   |      |      |      |      |      |      | 2.0   |      |      |      | 20   |
| 21                                   |      |      |      |      | 5.0  |      |       |      |      |      | 21   |
| 22                                   |      |      |      |      |      | 7.0  |       |      |      |      | 22   |
| 23                                   | 7.0  |      |      |      |      |      |       |      |      |      | 23   |
| 24                                   |      |      |      |      |      |      |       |      |      |      | 24   |
| 25                                   |      |      |      |      |      |      |       |      |      |      | 25   |
| 26                                   |      |      |      |      |      |      | 5.0   |      |      |      | 26   |
| 27                                   |      |      |      |      | 14.0 |      | 15.0  |      |      |      | 27   |
| 28                                   |      |      |      |      |      |      |       |      |      |      | 28   |
| 29                                   |      |      |      |      |      |      |       |      |      |      | 29   |
| 30                                   |      |      |      |      |      |      | 5.0   |      |      |      | 30   |
| 31                                   |      |      |      |      |      |      |       |      |      |      | 31   |
| TOT                                  | 7.0  |      | 0.0  | 0.0  | 22.0 | 3.0  | 10.0  | 69.0 | 0.0  | 0.0  | 2.0  |
| OBSERVATIONS                         |      |      |      |      |      |      |       |      |      |      |      |
| COH                                  | 112  | 132  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 053  | 053  |
| WJ                                   | 1    |      |      | 0    | 3    | 2    | 2     | 6    | 0    | 0    | 0    |

TOTAL ANNUAL = 220.0

| STATION 73620 KSHBL FL MERRIDUE ANNEE 1981/1982 |      |      |      |      |      |      |       |      |      |      |      |
|---|------|------|------|------|------|------|-------|------|------|------|------|
| SEPT  | OCTO | NOVE | DECE | JANV | FEVR | MARS | AVRIL | MAL  | JUNN | JULI | AUGU |
| 1   |      |      | 6.5  |      | 5.0  |      |       | 4.1  |      |      | 1    |
| 2   |      |      | 7.1  |      | 25.0 |      |       |      |      |      | 2    |
| 3   |      |      | 11.0 |      | 12.0 |      |       |      |      |      | 3    |
| 4   |      |      | 8.5  |      | 1.0  |      |       |      |      |      | 4    |
| 5   |      |      | 5.0  |      |      |      |       |      |      |      | 5    |
| 6   |      |      |      |      |      |      | 1.0   |      |      |      | 6    |
| 7   |      |      |      |      |      |      |       | 2.0  |      |      | 7    |
| 8   |      |      |      |      |      |      |       | 5.0  |      |      | 8    |
| 9   |      |      |      |      |      |      |       |      |      |      | 9    |
| 10  |      |      |      |      |      |      |       | 13.5 |      |      | 10   |
| 11  |      |      |      |      |      |      |       | 4.5  |      |      | 11   |
| 12  |      |      |      |      |      |      |       |      |      |      | 12   |
| 13  |      |      |      |      |      |      |       |      |      |      | 13   |
| 14  |      |      |      |      |      |      |       |      |      |      | 14   |
| 15  |      |      |      |      | 24.0 |      |       |      |      |      | 15   |
| 16  |      |      |      |      |      |      |       |      |      |      | 16   |
| 17  |      |      |      |      |      |      |       |      |      |      | 17   |
| 18  |      |      |      |      | 17.4 |      |       | 5.2  |      |      | 18   |
| 19  |      |      |      |      | 21.5 |      |       | 5.1  |      |      | 19   |
| 20  |      |      |      |      |      |      |       |      |      |      | 20   |
| 21  |      |      |      |      |      | 12.0 |       |      |      |      | 21   |
| 22  |      |      |      |      |      | 24.5 |       |      |      |      | 22   |
| 23  |      |      |      |      |      | 3.3  |       |      |      |      | 23   |
| 24  |      |      |      |      |      |      |       |      |      |      | 24   |
| 25  | 12.0 | 24.0 |      |      |      | 2.0  | 3.0   |      |      |      | 25   |
| 26  |      |      |      |      |      |      |       |      |      |      | 26   |
| 27  |      |      |      |      |      |      |       |      |      |      | 27   |
| 28  |      |      |      |      | 17.2 |      |       | 9.4  |      |      | 28   |
| 29  |      |      |      |      | 6.4  |      |       |      |      |      | 29   |
| 30  |      |      |      |      |      |      |       |      |      |      | 30   |
| 31  |      |      |      |      |      |      |       |      |      |      | 31   |
| TOT   | 10.0 | 27.2 | 2.4  | 47.1 | 54.5 | 45.1 | 41.6  | 29.1 | 34.5 | 0.0  | 0.0  |
| OBSERVATIONS                                    |      |      |      |      |      |      |       |      |      |      |      |
| COH   | 112  | 112  | 112  | 112  | 112  | 114  | 112   | 112  | 112  | 112  | 112  |
| WJ  | 1    |      | 2    |      | 3    |      | 6     | 4    | 0    | 0    | 1    |

TOTAL ANNUAL = 240.2



STATION 73821

KSESBA PEPINIERE SM

ANNEE: 1981/1982

LAT= 39GR.29 62

LONG=

9GR.12 23

ALT=

40 M

|                           | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT               |
|---------------------------|------|------|------|------|------|------|------|------|-----|------|------|--------------------|
| 1                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 2                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 3                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 4                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 5                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 6                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 7                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 8                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 9                         | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 10                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 11                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 12                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 13                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 14                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 15                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 16                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 17                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 18                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 19                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 20                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 21                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 22                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 23                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 24                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 25                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 26                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 27                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 28                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 29                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 30                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 31                        | -    | -    | -    | -    | -    | -    | -    | -    | -   | -    | -    | -                  |
| 101                       | 3.5  | 63.0 | 1.0  | 12.5 | 34.4 | 6.0  | 9.7  | 17.7 | 5.0 | 3.0  | 0.0  | 2.0                |
| OBSERVATIONS AYED CHAOUCH |      |      |      |      |      |      |      |      |     |      |      | TOTAL ANNEE= 125.3 |
| CMH x 112                 | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112  | 112  | 112                |
| N J                       | 1    | 4    | 1    | 4    | 4    | 4    | 3    | 6    | 2   | 0    | 0    | 0                  |

STATION 73842

KSAR HELLAL

ANNEE: 1981/1982

LAT= 39GR.61 00

LONG=

9GR.50 50

ALT=

20 M

|                              | SEPT | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT               |
|------------------------------|------|------|------|------|-------|------|------|------|------|------|------|--------------------|
| 1                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 2                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 3                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 4                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 5                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 6                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 7                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 8                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 9                            | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 10                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 11                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 12                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 13                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 14                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 15                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 16                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 17                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 18                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 19                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 20                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 21                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 22                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 23                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 24                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 25                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 26                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 27                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 28                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 29                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 30                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 31                           | -    | -    | -    | -    | -     | -    | -    | -    | -    | -    | -    | -                  |
| 101                          | 5.5  | 26.5 | 2.0  | 13.0 | 102.0 | 13.0 | 17.5 | 16.0 | 11.0 | 0.0  | 0.0  | 0.0                |
| OBSERVATIONS NOMMEES STIRANE |      |      |      |      |       |      |      |      |      |      |      | TOTAL ANNEE= 225.0 |
| CMH x 112                    | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112  | 112  | 112  | 112                |
| N J                          | 1    | 4    | 1    | 4    | 4     | 4    | 3    | 6    | 2    | 0    | 0    | 0                  |



STATION 7309A

J. I. KUMAR

ANNEE 1981/1982

|     |      | LAT= 39GR.2A 20 |      | LONG= 9GR.67 00 |       | ALTA 15 M |      |      |     |      |      |      |    |
|-----|------|-----------------|------|-----------------|-------|-----------|------|------|-----|------|------|------|----|
|     | SEPT | OCTO            | NOVE | DECE            | JANV  | FEBV      | MARS | AVRI | MAI | JUIN | JUIL | AOUT |    |
| 1   | .    | .               | .    | .               | .     | .         | .    | 2.0  | .   | .    | .    | .    | 1  |
| 2   | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 2  |
| 3   | .    | .               | .    | 6.2             | .     | 16.4      | 2.1  | .    | .   | .    | .    | .    | 3  |
| 4   | .    | .               | .    | 2.3             | .     | 14.1      | .    | .    | .   | .    | .    | .    | 4  |
| 5   | .    | .               | .    | .               | .     | 5.7       | .    | .    | .   | .    | .    | .    | 5  |
| 6   | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 6  |
| 7   | .    | .               | .    | .               | .     | .         | 5.0  | .    | .   | .    | .    | .    | 7  |
| 8   | 4    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 8  |
| 9   | .    | .               | .    | .               | .     | .         | .    | 11.2 | .   | .    | .    | .    | 9  |
| 10  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 10 |
| 11  | .    | .               | 1.3  | .               | .     | .         | .    | .    | .   | .    | .    | .    | 11 |
| 12  | .    | .               | .    | .               | .     | .         | .    | 8.0  | .   | .    | .    | .    | 12 |
| 13  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 13 |
| 14  | .    | .               | .    | .               | .     | .         | 1.4  | .    | .   | .    | .    | .    | 14 |
| 15  | .    | .               | 3.1  | .               | 76.7  | .         | .    | .    | .   | .    | .    | .    | 15 |
| 16  | .    | .               | .    | .               | 8.2   | .         | .    | .    | .   | .    | .    | .    | 16 |
| 17  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 17 |
| 18  | .    | .               | .    | .               | 13.0  | .         | .    | .    | .   | .    | .    | .    | 18 |
| 19  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 19 |
| 20  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 20 |
| 21  | .    | .               | .    | .               | 16.3  | 1.0       | 13.2 | .    | .   | .    | .    | .    | 21 |
| 22  | .    | .               | .    | 17.4            | 42.0  | .         | 24.2 | 7.3  | .   | .    | .    | .    | 22 |
| 23  | .    | 2.0             | .    | .               | .     | .         | 6.0  | 7.0  | .   | .    | .    | .    | 23 |
| 24  | .    | .               | .    | 1.0             | .     | .         | .    | .    | .   | .    | .    | .    | 24 |
| 25  | .    | 21.3            | 5.2  | .               | 4.0   | .         | .    | .    | .   | .    | .    | .    | 25 |
| 26  | .    | .               | .    | .               | .     | 6.7       | 5.0  | .    | .   | .    | .    | .    | 26 |
| 27  | .    | .               | .    | .               | .     | 2.0       | .    | .    | .   | .    | .    | .    | 27 |
| 28  | .    | .               | 2.0  | .               | 11.1  | .         | .    | .    | .   | .    | .    | .    | 28 |
| 29  | .    | .               | 3.7  | .               | 2.0   | .         | 2.0  | .    | .   | .    | .    | .    | 29 |
| 30  | .    | .               | 2.1  | .               | .     | .         | .    | .    | .   | .    | .    | .    | 30 |
| 31  | .    | .               | .    | .               | .     | .         | .    | .    | .   | .    | .    | .    | 31 |
| TOT | 0.4  | 73.7            | 19.7 | 26.9            | 177.0 | 40.1      | 58.9 | 30.5 | 0.0 | 0.0  | 0.0  | 0.0  |    |

OBSERVATEUR: ABDELKADER NAKIF

TOTAL ANNUEL: 574.9

|           |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| COU = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |    |
| N J       | 1   | 3   | 5   | 6   | 8   | 8   | 8   | 9   | 0   | 0   | 0   | 2   | 41 |

STATION 74067

NABOUA EPH

ANNEE 1981/1982

|     |      | LAT= 39GR.44 43 |      | LONG= 9GR.70 35 |      | ALTA 2 M |      |      |     |      |      |      |    |
|-----|------|-----------------|------|-----------------|------|----------|------|------|-----|------|------|------|----|
|     | SEPT | OCTO            | NOVE | DECE            | JANV | FEBV     | MARS | AVRI | MAI | JUIN | JUIL | AOUT |    |
| 1   | .    | .               | .    | .               | .    | .        | .    | 1.1  | .   | .    | .    | .    | 1  |
| 2   | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 2  |
| 3   | .    | .               | .    | .               | .    | 11.2     | .    | .    | .   | .    | .    | .    | 3  |
| 4   | .    | .               | .    | .               | .    | 2.4      | .    | .    | .   | .    | .    | .    | 4  |
| 5   | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 5  |
| 6   | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 6  |
| 7   | .    | .               | .    | .               | .    | .        | .    | 1.0  | .   | .    | .    | .    | 7  |
| 8   | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 8  |
| 9   | .    | .               | .    | .               | .    | .        | .    | .    | 2.6 | .    | .    | .    | 9  |
| 10  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 10 |
| 11  | .    | .               | .    | .               | .    | .        | .    | .    | 2.5 | .    | .    | .    | 11 |
| 12  | .    | .               | .    | .               | .    | .        | .    | .    | 1.1 | .    | .    | .    | 12 |
| 13  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 13 |
| 14  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 14 |
| 15  | .    | .               | .    | .               | .    | 1.2      | .    | .    | .   | .    | .    | .    | 15 |
| 16  | .    | .               | .    | .               | 48.0 | .        | .    | .    | .   | .    | .    | .    | 16 |
| 17  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 17 |
| 18  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 18 |
| 19  | .    | .               | .    | .               | .    | .        | .    | 2.0  | .   | .    | .    | .    | 19 |
| 20  | .    | .               | .    | .               | 11.0 | .        | .    | .    | .   | .    | .    | .    | 20 |
| 21  | .    | .               | .    | .               | 1.6  | .        | 10.6 | .    | .   | .    | .    | .    | 21 |
| 22  | .    | .               | .    | .               | 1.0  | .        | 1.1  | .    | .   | .    | .    | .    | 22 |
| 23  | .    | .               | .    | .               | .    | 6.5      | .    | .    | .   | .    | .    | .    | 23 |
| 24  | .    | 7.9             | .    | .               | .    | 1.0      | .    | .    | .   | .    | .    | .    | 24 |
| 25  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 25 |
| 26  | .    | .               | .    | .               | .    | .        | .    | .    | 8   | .    | .    | .    | 26 |
| 27  | .    | 24.3            | .    | .               | .    | 2.0      | .    | 1.1  | .   | .    | .    | .    | 27 |
| 28  | .    | .               | .    | .               | .    | .        | .    | 2.1  | .   | .    | .    | .    | 28 |
| 29  | .    | .               | .    | .               | .    | 18.3     | .    | .    | .   | .    | .    | .    | 29 |
| 30  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 30 |
| 31  | .    | .               | .    | .               | .    | .        | .    | .    | .   | .    | .    | .    | 31 |
| TOT | 0.0  | 35.1            | 0.0  | 10.0            | 80.7 | 15.1     | 11.7 | 5.1  | 5.2 | 10.0 | 0.0  | 0.0  |    |

OBSERVATEUR:

TOTAL ANNUEL: 574.9

COU = 112 112 112 112 112 112 112







































STATION 76034

SIDI ALI HASRALLAH

ANNEE 1981/1982

LAT= 39GN.28 10

LONG=

DGR.17 50

ALT= 150 M

|                            | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |                     |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| 1                          | 2.5  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 1                   |
| 2                          | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 2                   |
| 3                          | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 3                   |
| 4                          | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 4                   |
| 5                          | .    | .    | .    | .    | .    | 4.0  | .    | .    | .    | .    | .    | .    | 5                   |
| 6                          | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 6                   |
| 7                          | .    | .    | .    | .    | .    | .    | .    | 3.4  | .    | .    | .    | .    | 7                   |
| 8                          | .    | .    | .    | .    | .    | .    | .    | .    | 3.3  | .    | .    | .    | 8                   |
| 9                          | .    | .    | .    | .    | .    | .    | .    | .    | 3.5  | .    | .    | .    | 9                   |
| 10                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 10                  |
| 11                         | .    | .    | .    | .    | .    | .    | .    | .    | 9.0  | .    | .    | .    | 11                  |
| 12                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 5.3  | .    | 12                  |
| 13                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 13                  |
| 14                         | 1.7  | .    | .    | .    | .    | 1.3  | .    | .    | .    | .    | 5.3  | .    | 14                  |
| 15                         | .    | .    | .    | .    | 5.0  | .    | .    | 2.4  | .    | .    | .    | .    | 15                  |
| 16                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 16                  |
| 17                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 17                  |
| 18                         | .    | .    | .    | .    | 12.0 | .    | .    | 8.0  | .    | .    | 10.3 | .    | 18                  |
| 19                         | .    | .    | .    | .    | 4.1  | .    | .    | 10.3 | .    | .    | .    | .    | 19                  |
| 20                         | .    | 1.2  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 20                  |
| 21                         | .    | 2.0  | .    | .    | 3.2  | .    | 8.1  | .    | 5.3  | 3.5  | .    | .    | 21                  |
| 22                         | .    | .    | .    | 7.0  | .    | 7.1  | .    | .    | .    | .    | .    | .    | 22                  |
| 23                         | .    | 8.0  | .    | .    | .    | 2.3  | .    | .    | .    | .    | .    | .    | 23                  |
| 24                         | .    | .    | .    | .    | .    | .    | 2.5  | .    | .    | .    | .    | .    | 24                  |
| 25                         | .    | 25.5 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 25                  |
| 26                         | 23.0 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 26                  |
| 27                         | .    | .    | .    | .    | .    | .    | .    | 3.0  | .    | .    | .    | .    | 27                  |
| 28                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 28                  |
| 29                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 29                  |
| 30                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 30                  |
| 31                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 31                  |
| TOT                        | 27.2 | 36.7 | 0.0  | 7.0  | 24.3 | 15.1 | 10.4 | 29.4 | 19.5 | 3.5  | 21.1 | 0.0  |                     |
| OBSERVATEUR= AYADI MOKHTAR |      |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUEL= 194.0 |
| CM                         | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |                     |
| N J                        | 3    | 4    | 0    | 1    | 4    | 4    | 2    | 6    | 4    | 3    | 5    | 0    | 32                  |

STATION 76044

SIDI ALI ZAGUER

ANNEE 1981/1982

LAT= 39GN.23 50

LONG=

DGR.17 50

ALT= 171 M

|              | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRI | MAI | JUIN | JUIL | AOUT |                     |
|--------------|------|------|------|------|------|------|------|------|-----|------|------|------|---------------------|
| 1            | .    | .    | .    | .    | .    | .    | .    | 18.0 | .   | .    | .    | .    | 1                   |
| 2            | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 2                   |
| 3            | .    | .    | .    | .    | .    | 40.7 | .    | .    | .   | .    | .    | .    | 3                   |
| 4            | .    | .    | .    | .    | .    | 1.3  | .    | .    | .   | .    | .    | .    | 4                   |
| 5            | .    | .    | .    | .    | .    | 2.4  | .    | .    | .   | .    | .    | .    | 5                   |
| 6            | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 6                   |
| 7            | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 7                   |
| 8            | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 8                   |
| 9            | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 9                   |
| 10           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 10                  |
| 11           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 11                  |
| 12           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 12                  |
| 13           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 13                  |
| 14           | .    | .    | .    | .    | .    | 5.7  | .    | .    | .   | .    | .    | .    | 14                  |
| 15           | .    | .    | .    | .    | 3.8  | .    | .    | .    | .   | .    | .    | .    | 15                  |
| 16           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 16                  |
| 17           | .    | .    | .    | .    | .    | 8.7  | .    | .    | .   | .    | .    | .    | 17                  |
| 18           | .    | .    | .    | .    | 4.3  | .    | .    | 4.5  | .   | .    | .    | .    | 18                  |
| 19           | .    | .    | .    | .    | 1.3  | .    | .    | .    | .   | .    | .    | .    | 19                  |
| 20           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 20                  |
| 21           | .    | 4.7  | .    | .    | .    | .    | 5.0  | .    | .   | .    | .    | .    | 21                  |
| 22           | .    | .    | .    | 2.7  | .    | 2.7  | .    | .    | .   | .    | .    | .    | 22                  |
| 23           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 23                  |
| 24           | .    | 2.2  | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 24                  |
| 25           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 25                  |
| 26           | 5.6  | .    | .    | .    | .    | .    | .    | 12.3 | .   | .    | .    | .    | 26                  |
| 27           | .    | 47.9 | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 27                  |
| 28           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 28                  |
| 29           | .    | .    | .    | .    | 4.0  | .    | .    | .    | .   | .    | .    | .    | 29                  |
| 30           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 30                  |
| 31           | .    | .    | .    | .    | .    | .    | .    | .    | .   | .    | .    | .    | 31                  |
| TOT          | 5.6  | 56.5 | 7.0  | 3.7  | 17.4 | 59.1 | 4.7  | 34.8 | 0.0 | 0.0  | 0.0  | 10.0 |                     |
| OBSERVATEUR= |      |      |      |      |      |      |      |      |     |      |      |      | TOTAL ANNUEL= 155.1 |
| CM           | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112  | 112  | 112  |                     |
| N J          | 3    | 4    | 0    | 1    | 4    | 4    | 2    | 6    | 4   | 3    | 5    | 0    | 32                  |











STATION 76115

SARRES HONKADIR SP

ANNEE 1981/1982

LAT+ 39°41.72 21

LONG+ 76°45.55 17

ALT+ 15 M

|              | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAI | JUIN | JUIL | AOUT |                    |
|--------------|------|------|------|------|------|------|------|-------|-----|------|------|------|--------------------|
| 1            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 1                  |
| 2            | .    | .    | .    | .    | .    | .    | .    | 1.0   | .   | .    | .    | .    | 2                  |
| 3            | .    | .    | .    | 2.9  | .    | 7.7  | .    | .     | .   | .    | .    | .    | 3                  |
| 4            | 1.7  | .    | .    | 4.3  | .    | 1.7  | .    | .     | .   | .    | .    | .    | 4                  |
| 5            | .    | .    | .    | 1    | .    | 1.7  | 1.7  | .     | .   | .    | .    | .    | 5                  |
| 6            | .    | .    | .    | .    | .    | .    | .    | 1.5   | .   | .    | .    | .    | 6                  |
| 7            | .    | .    | .    | .    | .    | .    | .    | 2.1   | .   | .    | .    | .    | 7                  |
| 8            | .    | .    | .    | .    | .    | .    | .    | .     | 1.7 | .    | .    | .    | 8                  |
| 9            | .    | .    | .    | .    | .    | .    | .    | .     | 2.2 | .    | .    | 1.0  | 9                  |
| 10           | .    | .    | 1.6  | .    | .    | .    | 1.0  | .     | 1.9 | .    | .    | .    | 10                 |
| 11           | .    | .    | .    | .    | .    | .    | .    | .     | 5.2 | .    | .    | .    | 11                 |
| 12           | .    | .    | .    | .    | .    | .    | .    | .     | 1.5 | .    | .    | .    | 12                 |
| 13           | .    | .    | .    | .    | .    | 1.2  | .    | .     | .   | .    | .    | .    | 13                 |
| 14           | .    | .    | 1.3  | .    | 51.2 | 3.1  | .    | 5.0   | .   | .    | .    | .    | 14                 |
| 15           | .    | .    | 1.0  | .    | .    | .    | .    | .     | .   | .    | .    | .    | 15                 |
| 16           | .    | .    | .    | .    | 1.3  | .    | .    | .     | .   | .    | .    | .    | 16                 |
| 17           | .    | .    | .    | .    | .    | 1.1  | .    | .     | .   | .    | .    | .    | 17                 |
| 18           | .    | .    | .    | .    | 1.1  | .    | 2.4  | 2.4   | .   | .    | .    | .    | 18                 |
| 19           | .    | .    | .    | .    | 10.9 | .    | .    | 2.8   | .   | .    | .    | .    | 19                 |
| 20           | .    | 1.3  | .    | .    | .    | .    | 1.4  | .     | .   | .    | .    | .    | 20                 |
| 21           | .    | 1.5  | .    | .    | .    | 1.7  | 7.2  | 1.9   | .   | .    | .    | .    | 21                 |
| 22           | .    | .    | .    | 9.6  | .    | 1.4  | 1.8  | .     | .   | .    | .    | .    | 22                 |
| 23           | .    | 2.4  | .    | .    | .    | 1.5  | 1.4  | .     | .   | .    | .    | .    | 23                 |
| 24           | 1.0  | 1.2  | .    | .    | 1    | 1.1  | .    | .     | .   | .    | .    | 1.5  | 24                 |
| 25           | 2.9  | 21.4 | 5.3  | .    | .    | 1.1  | 1.3  | 1.9   | .   | .    | .    | .    | 25                 |
| 26           | .    | 1.0  | .    | .    | .    | 1.4  | 1.0  | 1.9   | .   | .    | .    | .    | 26                 |
| 27           | .    | .    | .    | .    | 1.3  | 1.0  | .    | 1.5   | .   | .    | .    | .    | 27                 |
| 28           | .    | .    | .    | .    | 7.5  | .    | .    | 1.2   | .   | .    | .    | .    | 28                 |
| 29           | .    | .    | 2.0  | .    | 7.7  | .    | 1.0  | .     | .   | .    | .    | .    | 29                 |
| 30           | .    | .    | 1.1  | .    | .    | .    | .    | 1.4   | .   | .    | .    | .    | 30                 |
| 31           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 31                 |
| TOT          | 2.9  | 23.7 | 7.4  | 16.7 | 36.2 | 15.4 | 12.7 | 22.8  | 9.6 | 3.0  | 0.0  | 0.5  |                    |
| OBSERVATEUR= |      |      |      |      |      |      |      |       |     |      |      |      | TOTAL ANNEE= 203.3 |
| CIN + 112    | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112  |                    |
| N J          | 1    | 5    | 3    | 4    | 5    | 5    | 7    | 11    | 4   | 0    | 0    | 1    | 51                 |

STATION 76163

SQUASSI

ANNEE 1981/1982

LAT+ 39°41.27 30

LONG+ 76°42.20

ALT+ 56 M

|              | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAI | JUIN | JUIL | AOUT |                    |
|--------------|------|------|------|------|------|------|------|-------|-----|------|------|------|--------------------|
| 1            | .    | .    | .    | .    | .    | .    | .    | 3.1   | .   | .    | .    | .    | 1                  |
| 2            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 2                  |
| 3            | .    | .    | .    | 2.7  | .    | .    | .    | .     | .   | .    | .    | .    | 3                  |
| 4            | .    | .    | .    | 1    | .    | 1.7  | .    | .     | .   | .    | .    | .    | 4                  |
| 5            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 5                  |
| 6            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 6                  |
| 7            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 7                  |
| 8            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 8                  |
| 9            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 9                  |
| 10           | .    | .    | .    | .    | .    | .    | .    | .     | 1.7 | .    | .    | .    | 10                 |
| 11           | .    | .    | .    | .    | .    | .    | .    | .     | 5.0 | .    | .    | .    | 11                 |
| 12           | .    | .    | .    | .    | .    | .    | .    | .     | 1.5 | .    | .    | .    | 12                 |
| 13           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 13                 |
| 14           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 14                 |
| 15           | .    | .    | .    | .    | 51.0 | .    | .    | .     | .   | .    | .    | .    | 15                 |
| 16           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 16                 |
| 17           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 17                 |
| 18           | .    | .    | .    | .    | .    | .    | 1.1  | 5.4   | .   | .    | .    | .    | 18                 |
| 19           | .    | .    | .    | .    | 2.0  | .    | .    | 1.7   | .   | .    | .    | .    | 19                 |
| 20           | .    | .    | .    | .    | .    | .    | 7.8  | .     | .   | .    | .    | .    | 20                 |
| 21           | .    | 1.0  | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 21                 |
| 22           | .    | .    | .    | .    | .    | 1.1  | .    | .     | .   | .    | .    | .    | 22                 |
| 23           | .    | .    | .    | .    | .    | 1.7  | .    | .     | .   | .    | .    | .    | 23                 |
| 24           | .    | 1.0  | .    | .    | .    | 2.1  | .    | .     | .   | .    | .    | .    | 24                 |
| 25           | .    | 15.0 | .    | .    | .    | .    | .    | 1.1   | .   | .    | .    | .    | 25                 |
| 26           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 26                 |
| 27           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 27                 |
| 28           | .    | .    | .    | .    | 5.0  | .    | .    | .     | .   | .    | .    | .    | 28                 |
| 29           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 29                 |
| 30           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 30                 |
| 31           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 31                 |
| TOT          | 5.6  | 17.0 | 2.7  | 1.7  | 53.0 | 10.1 | 10.1 | 11    | 5.4 | 3.5  | 0.0  | 0.0  |                    |
| OBSERVATEUR= |      |      |      |      |      |      |      |       |     |      |      |      | TOTAL ANNEE= 114.6 |
| CIN + 112    | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112  |                    |
| N J          | 1    | 5    | 3    | 4    | 5    | 5    | 7    | 11    | 4   | 0    | 0    | 1    | 51                 |







STATION 77076

SOUSSE PORT SP

ANNEE 1981/1982

LAT= 39GR.21 00

LONG= 9GR.22 00

ALT= 6 M

|     | SEPT | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JULI | AOUT |
|-----|------|------|------|------|-------|------|------|------|------|------|------|------|
| 1   | 0    |      | 0    |      |       | 1.5  |      | 0    |      |      |      | 1    |
| 2   |      |      |      | 3.0  |       |      |      |      |      | 0    |      | 2    |
| 3   |      |      |      | 3.3  |       |      |      |      |      |      |      | 3    |
| 4   | 0    |      |      | 0    |       |      |      |      |      |      |      | 4    |
| 5   | 0    |      |      |      |       |      |      |      |      |      |      | 5    |
| 6   | 0    |      |      |      |       |      | 0    | 5.0  |      | 0    |      | 6    |
| 7   |      |      |      |      |       |      |      | 1.5  |      |      |      | 7    |
| 8   |      |      |      |      |       |      |      |      | 2.4  |      |      | 8    |
| 9   |      |      |      |      |       |      |      |      | 6.4  |      |      | 9    |
| 10  |      |      |      |      |       |      | 0    |      | 0    |      |      | 10   |
| 11  |      |      |      |      |       |      |      |      | 6.2  |      |      | 11   |
| 12  |      |      |      |      |       |      |      |      | 0    |      |      | 12   |
| 13  |      |      |      |      |       |      |      |      |      |      |      | 13   |
| 14  |      |      |      |      |       |      |      |      |      |      |      | 14   |
| 15  |      |      |      |      | 92.0  | 5.5  |      | 14.7 |      |      |      | 15   |
| 16  |      |      |      |      | 2.0   |      |      | 0    |      |      | 1.3  | 16   |
| 17  |      |      |      |      |       |      |      | 4    |      |      |      | 17   |
| 18  |      |      |      |      | 8.0   |      | 3.5  | 3.0  |      |      |      | 18   |
| 19  |      |      |      |      | 11.0  |      |      | 3.5  |      | 0    |      | 19   |
| 20  |      | 1.5  |      | 0    |       |      | 4    | 0    |      | 0    |      | 20   |
| 21  |      | 0    |      | 0    |       | 2.5  | 6.5  | 5    |      |      |      | 21   |
| 22  |      |      |      | 10.0 |       | 2.5  | 0    |      |      |      |      | 22   |
| 23  |      | 1.3  |      | 0    |       | 3    | 0    |      |      |      |      | 23   |
| 24  |      | 3.5  |      |      |       |      |      |      |      |      |      | 24   |
| 25  | 2.6  | 21.3 | 2    |      |       |      | 0    | 1.3  |      |      |      | 25   |
| 26  |      |      | 0    |      |       | 0    | 0    | 0    |      |      |      | 26   |
| 27  |      |      |      |      |       | 0    | 0    | 0    |      |      |      | 27   |
| 28  |      |      | 1.3  |      | 12.5  | 0    |      | 0    |      |      |      | 28   |
| 29  |      |      | 1.1  |      |       |      |      |      |      |      |      | 29   |
| 30  |      |      | 5    |      |       |      |      | 4.0  |      |      |      | 30   |
| 31  |      |      |      |      |       |      |      |      | 0    |      |      | 31   |
| TOT | 2.6  | 27.0 | 2.5  | 16.3 | 125.5 | 9.2  | 10.4 | 34.7 | 15.0 | 0.0  | 1.3  | 4.5  |

OBSERVATEUR= METEO

TOTAL ANNEE= 247.3

COM = 212 212 212 212 212 212 212 212 212 212 212 212

N J 1 4 5 5 5 5 3 2 3 0 1 2 39

STATION 77078

SOUSSE SUBDIVISION

ANNEE 1981/1982

LAT= 39GR.29 00

LONG= 9GR.21 24

ALT= 53 M

|     | SEPT | OCTO | NOVE | DECE | JANV  | FEBV | MARS | AVRI | MAI  | JUIN | JULI | AOUT |
|-----|------|------|------|------|-------|------|------|------|------|------|------|------|
| 1   | 0    |      | 0    | 4    |       | 2.0  |      | 0    |      | 0    |      | 1    |
| 2   |      |      |      |      |       | 4    |      |      |      | 0    |      | 2    |
| 3   |      |      |      | 4.0  |       |      |      |      |      |      |      | 3    |
| 4   | 5    |      |      | 3.6  |       |      |      |      |      |      |      | 4    |
| 5   |      |      |      |      |       |      | 0    |      |      | 3    |      | 5    |
| 6   |      |      |      |      |       |      | 2    | 4.4  |      |      |      | 6    |
| 7   |      |      |      |      |       |      | 7    | 1.6  |      |      |      | 7    |
| 8   |      |      |      |      |       |      |      |      | 2.9  |      |      | 8    |
| 9   |      |      |      |      |       |      |      |      | 3.0  |      |      | 9    |
| 10  |      |      |      |      |       |      |      |      | 0    |      |      | 10   |
| 11  |      |      |      |      |       |      |      |      | 5.4  |      |      | 11   |
| 12  |      |      |      |      |       |      |      |      | 2    |      |      | 12   |
| 13  |      |      |      |      |       |      |      |      | 0    |      |      | 13   |
| 14  |      |      |      |      |       |      |      |      |      |      |      | 14   |
| 15  |      |      |      |      | 91.5  | 6.5  |      | 18.2 |      |      |      | 15   |
| 16  |      |      |      |      | 1.1   |      |      |      |      |      | 2.2  | 16   |
| 17  |      |      |      |      |       |      |      | 4    |      |      |      | 17   |
| 18  |      |      |      |      | 9.1   |      | 4.4  | 3.0  |      | 0    |      | 18   |
| 19  |      |      |      |      | 10.8  |      |      | 5.8  |      | 0    |      | 19   |
| 20  |      | 2.2  |      | 0    |       | 1    |      | 4    |      |      |      | 20   |
| 21  |      |      |      |      |       |      |      |      |      |      |      | 21   |
| 22  |      |      |      |      | 1.1   |      |      | 1.1  |      |      |      | 22   |
| 23  |      |      |      |      | 9.8   | 0    | 7.5  | 3    |      |      |      | 23   |
| 24  |      | 1.2  |      |      |       |      | 4    |      |      |      |      | 24   |
| 25  | 0    | 3.9  |      |      | 4     |      |      |      |      |      |      | 25   |
| 26  | 3.1  | 32.3 |      |      |       |      | 0    | 2.2  |      |      |      | 26   |
| 27  |      |      |      |      | 2     | 1    |      | 6    |      |      |      | 27   |
| 28  |      |      |      |      | 5     | 2    |      |      |      |      |      | 28   |
| 29  |      |      |      |      | 11.0  | 1    |      | 1    |      |      |      | 29   |
| 30  |      |      |      |      |       |      |      |      |      |      |      | 30   |
| 31  |      |      |      |      |       |      | 0    | 5.3  |      |      |      | 31   |
| TOT | 3.6  | 36.7 | 4.5  | 17.8 | 125.6 | 11.0 | 13.3 | 62.0 | 14.5 | 0.5  | 2.2  | 5.4  |

OBSERVATEUR= METEO

TOTAL ANNEE= 277.9

COM = 212 212 212 212 212 212 212 212 212 212 212 212







| STATION 72600 |      | FALL 57         |      |      |      |      |       |       | WINTER 1957/1958 |      |           |     |      |    |
|---------------|------|-----------------|------|------|------|------|-------|-------|------------------|------|-----------|-----|------|----|
|               |      | DATE 3800.87 55 |      |      |      |      | LOCAL |       | HUR. 56 70       |      | ALT 700 M |     |      |    |
|               | SEPT | OCTO            | NOVE | DECE | JANV | FEBV | MARS  | APRIL | MAY              | JUNE | JULY      | AUG | SEPT |    |
| 1             | 5.5  |                 |      |      |      |      |       | 5.0   |                  |      |           |     |      | 1  |
| 2             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 2  |
| 3             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 3  |
| 4             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 4  |
| 5             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 5  |
| 6             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 6  |
| 7             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 7  |
| 8             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 8  |
| 9             |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 9  |
| 10            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 10 |
| 11            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 11 |
| 12            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 12 |
| 13            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 13 |
| 14            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 14 |
| 15            |      |                 |      |      |      | 3.0  |       |       |                  |      |           |     |      | 15 |
| 16            |      |                 |      |      | 7.0  |      |       |       |                  |      |           |     |      | 16 |
| 17            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 17 |
| 18            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 18 |
| 19            |      | 15.0            |      |      |      |      |       |       |                  |      |           |     |      | 19 |
| 20            |      |                 |      |      | 12.0 | 4.0  |       |       |                  |      |           |     |      | 20 |
| 21            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 21 |
| 22            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 22 |
| 23            |      | 42.0            |      |      |      |      |       |       |                  |      |           |     |      | 23 |
| 24            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 24 |
| 25            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 25 |
| 26            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 26 |
| 27            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 27 |
| 28            |      |                 |      |      |      |      |       | 12.0  |                  |      |           |     |      | 28 |
| 29            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 29 |
| 30            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 30 |
| 31            |      |                 |      |      |      |      |       |       |                  |      |           |     |      | 31 |
| TST           | 6.5  | 57.3            | 0.7  | 4.0  | 16.0 | 7.0  | 6.7   | 79.0  | 7.0              | 2.0  | 0.0       | 0.0 | 0.0  |    |
| OBSERVATIONS  |      |                 |      |      |      |      |       |       |                  |      |           |     |      |    |
| C14           | 112  | 112             | 112  | 112  | 112  | 112  | 112   | 112   | 112              | 154  | 112       | 112 | 112  |    |
| N J           |      | 2               | 0    | 0    | 2    | 2    | 0     | 2     | 0                | 0    | 0         | 0   | 0    | 0  |

| STATION 75212 |      | ZIRKANDINE      |      |      |       |      |       |      | ATREE 1957/1958 |      |           |       |                    |
|---------------|------|-----------------|------|------|-------|------|-------|------|-----------------|------|-----------|-------|--------------------|
|               |      | DATE 3900.53 50 |      |      |       |      | LOCAL |      | 900.53 50       |      | ALT 104 M |       |                    |
|               | SEPT | OCTO            | NOVI | DECE | JANV  | FEBV | MARS  | APRI | MAY             | JUNE | JULY      | ADULT |                    |
| 1             | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 1     |                    |
| 2             | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 2     |                    |
| 3             | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 3     |                    |
| 4             | -    | -               | -    | 5.0  | -     | -    | -     | -    | -               | -    | -         | 4     |                    |
| 5             | -    | -               | -    | -    | -     | 2.0  | -     | -    | -               | -    | -         | 5     |                    |
| 6             | -    | -               | -    | -    | -     | 4.0  | -     | -    | -               | -    | -         | 6     |                    |
| 7             | -    | -               | -    | -    | -     | 2.0  | -     | 1.0  | -               | -    | -         | 7     |                    |
| 8             | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 8     |                    |
| 9             | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 9     |                    |
| 10            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 10    |                    |
| 11            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 11    |                    |
| 12            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 12    |                    |
| 13            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 13    |                    |
| 14            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 14    |                    |
| 15            | -    | -               | -    | -    | -     | 2.0  | -     | -    | -               | -    | -         | 15    |                    |
| 16            | -    | -               | -    | -    | 95.0  | -    | -     | -    | -               | -    | -         | 16    |                    |
| 17            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 17    |                    |
| 18            | -    | -               | -    | -    | -     | -    | -     | 4.0  | -               | -    | -         | 18    |                    |
| 19            | -    | -               | -    | -    | 1.0   | -    | -     | -    | -               | -    | -         | 19    |                    |
| 20            | -    | -               | -    | -    | 7.0   | -    | -     | 4.0  | -               | -    | -         | 20    |                    |
| 21            | -    | 2.0             | -    | -    | -     | -    | -     | 4.0  | -               | -    | -         | 21    |                    |
| 22            | -    | -               | 4.0  | -    | -     | 1.0  | 11.5  | -    | -               | -    | -         | 22    |                    |
| 23            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 23    |                    |
| 24            | -    | 2.0             | -    | -    | -     | 5.0  | -     | -    | -               | -    | -         | 24    |                    |
| 25            | 5.5  | 26.5            | -    | -    | -     | -    | -     | -    | -               | -    | -         | 25    |                    |
| 26            | -    | -               | -    | -    | -     | -    | -     | 3.5  | -               | -    | -         | 26    |                    |
| 27            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 27    |                    |
| 28            | -    | -               | -    | -    | -     | -    | -     | 7.0  | -               | -    | -         | 28    |                    |
| 29            | -    | -               | 1.0  | -    | 14.0  | -    | -     | -    | -               | -    | -         | 29    |                    |
| 30            | -    | -               | -    | -    | -     | -    | -     | 10.0 | -               | -    | -         | 30    |                    |
| 31            | -    | -               | -    | -    | -     | -    | -     | -    | -               | -    | -         | 31    |                    |
| TOT           | 6.5  | 31.0            | 9.0  | 5.0  | 121.0 | 16.0 | 11.5  | 25.0 | 10.0            | 7.0  | 0.0       | 235.9 |                    |
| OBSERVATIONS  |      |                 |      |      |       |      |       |      |                 |      |           |       | TOTAL ANNUAL 235.9 |
| C14           | 112  | 112             | 112  | 112  | 112   | 112  | 112   | 112  | 154             | 112  | 112       | 112   |                    |



LAIR = 3460, 22 50

$$LQ^*C =$$

411 • 576 m

|                           | SEPT | OCTO | NOVE | DECE | JANV | FEBR | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |    |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 1                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 1  |
| 2                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 2  |
| 3                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 3  |
| 4                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 4  |
| 5                         | .    | .    | .    | .    | .    | .    | .    | .    | 8.0  | .    | .    | .    | 5  |
| 6                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 6  |
| 7                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 7  |
| 8                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 8  |
| 9                         | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 9  |
| 10                        | .    | .    | .    | .    | .    | .    | .    | .    | 7.0  | .    | .    | .    | 10 |
| 11                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 11 |
| 12                        | .    | .    | .    | .    | .    | .    | .    | .    | 4.0  | .    | .    | .    | 12 |
| 13                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 4.0  | 13 |
| 14                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 7.0  | 14 |
| 15                        | .    | .    | .    | .    | .    | .    | .    | 4.0  | .    | .    | .    | .    | 15 |
| 16                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 16 |
| 17                        | .    | .    | .    | .    | 3.0  | 3.0  | .    | 6.0  | .    | .    | .    | .    | 17 |
| 18                        | .    | .    | .    | .    | 1.5  | .    | .    | .    | .    | .    | .    | .    | 18 |
| 19                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 19 |
| 20                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 20 |
| 21                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 21 |
| 22                        | .    | .    | .    | .    | .    | .    | 4.0  | .    | .    | .    | .    | .    | 22 |
| 23                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 23 |
| 24                        | .    | .    | .    | 3.0  | .    | .    | .    | .    | .    | .    | .    | .    | 24 |
| 25                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 25 |
| 26                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 26 |
| 27                        | .    | .    | .    | .    | .    | .    | .    | 22.0 | .    | .    | .    | .    | 27 |
| 28                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 28 |
| 29                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 29 |
| 30                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 30 |
| 31                        | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | 31 |
| TOT                       | 5.0  | 0.0  | 0.0  | 3.0  | 4.5  | 3.0  | 4.0  | 32.0 | 17.0 | 0.0  | 0.0  | 11.0 |    |
| OBSERVATION = 4508 KHWILA |      |      |      |      |      |      |      |      |      |      |      |      |    |
| COM = 058                 | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |    |
| N J                       | 24   | 0    | 0    | 1    | 2    | 1    | 1    | 5    | 3    | 0    | 0    | 0    | 12 |

5747104 90569

ՀԱՅԿԱՆ ԴԱՏԱՐ

JNMF = 128171592

$$LAI = 3368.14 \text{ [g]}$$

L D T G ▼

ALL INFORMATION

[illegible]







STATION 81321

STO ORKAY

ANNEE 1981/1982

LAT= 36GR,00 20

LONG= 65W,17 00

ALT= 1169 M

SEPT OCTO NOVE DECE JANV FEVR MARS AVRIL MAI JUIN JUIL AOUT

|     |      |      |     |     |      |      |     |      |      |     |     |      |    |
|-----|------|------|-----|-----|------|------|-----|------|------|-----|-----|------|----|
| 1   | -    | -    | -   | -   | -    | -    | -   | 2.5  | -    | -   | -   | -    | 1  |
| 2   | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 2  |
| 3   | 8.3  | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 3  |
| 4   | 5.3  | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 4  |
| 5   | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 5  |
| 6   | -    | -    | -   | -   | -    | -    | -   | 1.2  | -    | -   | -   | -    | 6  |
| 7   | -    | -    | -   | -   | -    | -    | -   | 1.0  | -    | -   | -   | -    | 7  |
| 8   | -    | -    | -   | -   | -    | -    | -   | -    | 11.3 | -   | -   | -    | 8  |
| 9   | -    | -    | -   | -   | -    | -    | -   | -    | 8.4  | -   | -   | -    | 9  |
| 10  | -    | -    | -   | -   | -    | -    | -   | -    | 11.4 | -   | -   | -    | 10 |
| 11  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 11 |
| 12  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 12 |
| 13  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 13 |
| 14  | 2.2  | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 14 |
| 15  | -    | -    | -   | -   | -    | -    | -   | 8.0  | -    | -   | -   | -    | 15 |
| 16  | -    | -    | -   | -   | -    | -    | -   | 9.0  | 28.5 | -   | -   | -    | 16 |
| 17  | -    | -    | -   | -   | -    | 12.6 | -   | -    | 20.0 | -   | -   | -    | 17 |
| 18  | 5.7  | -    | -   | -   | -    | -    | -   | 3.0  | -    | 2.1 | -   | -    | 18 |
| 19  | -    | -    | -   | -   | 19.2 | -    | -   | 8.3  | -    | -   | -   | -    | 19 |
| 20  | -    | -    | -   | -   | 1.4  | -    | -   | -    | -    | -   | -   | -    | 20 |
| 21  | -    | -    | -   | -   | -    | -    | 6.0 | -    | -    | 1.2 | -   | -    | 21 |
| 22  | -    | -    | -   | 6.7 | -    | 9.3  | -   | -    | 12.0 | -   | -   | 12.7 | 22 |
| 23  | -    | -    | -   | -   | -    | 5    | 1.5 | -    | -    | -   | -   | -    | 23 |
| 24  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | 5.7  | 24 |
| 25  | 6.0  | 18.7 | -   | -   | -    | -    | -   | -    | -    | -   | -   | 3.3  | 25 |
| 26  | -    | 4.5  | -   | -   | -    | -    | -   | 5.0  | -    | -   | -   | -    | 26 |
| 27  | -    | -    | -   | -   | -    | -    | -   | 7.6  | 5.6  | -   | -   | -    | 27 |
| 28  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 28 |
| 29  | -    | -    | 3.2 | -   | -    | -    | -   | 2.3  | -    | -   | -   | -    | 29 |
| 30  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 30 |
| 31  | -    | -    | -   | -   | -    | -    | -   | -    | -    | -   | -   | -    | 31 |
| TOT | 37.7 | 24.5 | 5.2 | 6.7 | 20.6 | 22.4 | 7.5 | 48.5 | 97.8 | 3.3 | 0.0 | 21.4 |    |

OBSERVATEUR= MOHAMED GUENNES

TOTAL ANNUEL= 243.3

|     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| CDN | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |    |
| R J | 5   | 3   | 1   | 1   | 2   | 3   | 2   | 10  | 7   | 2   | 0   | 3   | 37 |

STATION 81321

STO ORKAY

ANNEE 1981/1982

LAT= 36GR,17 00

LONG= 76W,53 00

ALT= 520 M

SEPT OCTO NOVE DECE JANV FEVR MARS AVRIL MAI JUIN JUIL AOUT

|     |     |     |     |     |     |     |      |      |     |      |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|----|
| 1   | -   | -   | -   | -   | -   | -   | -    | -    | -   | 4.0  | -   | -   | 1  |
| 2   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 2  |
| 3   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 3  |
| 4   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 4  |
| 5   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 5  |
| 6   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 6  |
| 7   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 7  |
| 8   | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 8  |
| 9   | -   | -   | -   | -   | -   | -   | -    | -    | -   | 52.5 | -   | -   | 9  |
| 10  | -   | -   | -   | -   | -   | -   | -    | -    | 3.3 | 2.0  | -   | -   | 10 |
| 11  | -   | -   | -   | -   | -   | -   | -    | -    | 6.8 | -    | -   | -   | 11 |
| 12  | -   | -   | -   | -   | -   | -   | -    | -    | 1.2 | -    | -   | -   | 12 |
| 13  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 13 |
| 14  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 14 |
| 15  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 15 |
| 16  | -   | -   | -   | -   | -   | 2.1 | -    | -    | -   | -    | -   | -   | 16 |
| 17  | -   | -   | -   | -   | -   | -   | -    | 1.5  | -   | -    | -   | -   | 17 |
| 18  | -   | -   | -   | -   | 4.5 | -   | -    | 1.7  | -   | -    | -   | -   | 18 |
| 19  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 19 |
| 20  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 20 |
| 21  | -   | -   | -   | -   | -   | -   | 9.0  | -    | -   | -    | -   | -   | 21 |
| 22  | -   | -   | -   | -   | -   | -   | 5.0  | -    | -   | -    | -   | -   | 22 |
| 23  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 23 |
| 24  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 24 |
| 25  | -   | -   | -   | -   | -   | 1.0 | -    | 10.0 | -   | -    | -   | -   | 25 |
| 26  | -   | -   | -   | -   | -   | -   | -    | 20.5 | -   | -    | -   | -   | 26 |
| 27  | -   | -   | -   | -   | -   | -   | -    | 1.7  | -   | -    | -   | -   | 27 |
| 28  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 28 |
| 29  | -   | -   | -   | -   | 7.5 | -   | -    | -    | -   | -    | -   | -   | 29 |
| 30  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 30 |
| 31  | -   | -   | -   | -   | -   | -   | -    | -    | -   | -    | -   | -   | 31 |
| TOT | 0.0 | 0.0 | 0.0 | 5.1 | 7.7 | 3.0 | 14.0 | 35.4 | 9.3 | 57.5 | 0.0 | 7.0 |    |

OBSERVATEUR= CHEFOTI A SAAB

TOTAL ANNUEL= 174.5



216-120, 84-300

$d \in D$ ,  $\alpha \in H^k_k$ ,  $k \geq 0$ .

44:47' 178.1 / 179.3

LETTER NO. 75

27914

ALTC 115 -

|     | SEPT         | OCTO | NOVE | DECE | JANU | FEBR | MARS | APRIL | MAY  | JUNE | JULY | AUG |    |
|-----|--------------|------|------|------|------|------|------|-------|------|------|------|-----|----|
| 1   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 1  |
| 2   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 2  |
| 3   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 3  |
| 4   | 16.0         | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 4  |
| 5   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 5  |
| 6   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 6  |
| 7   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 7  |
| 8   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 8  |
| 9   | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 9  |
| 10  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 10 |
| 11  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 11 |
| 12  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 12 |
| 13  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 13 |
| 14  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 14 |
| 15  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 15 |
| 16  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 16 |
| 17  | .            | .    | .    | .    | .    | 2.1  | .    | .     | .    | .    | .    | .   | 17 |
| 18  | .            | .    | .    | .    | 4.0  | .    | .    | .     | .    | .    | .    | .   | 18 |
| 19  | .            | .    | .    | .    | .    | 1.5  | .    | .     | .    | .    | .    | .   | 19 |
| 20  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 20 |
| 21  | .            | .    | .    | .    | .    | .    | 9.0  | .     | .    | .    | .    | .   | 21 |
| 22  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 22 |
| 23  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 23 |
| 24  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 24 |
| 25  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 25 |
| 26  | .            | .    | .    | .    | .    | .    | .    | 32.0  | .    | .    | .    | .   | 26 |
| 27  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 27 |
| 28  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 28 |
| 29  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 29 |
| 30  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 30 |
| 31  | .            | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 31 |
| TOT | 16.0         | 2.7  | 0.2  | 0.0  | 4.0  | 3.6  | 9.0  | 32.0  | 14.0 | 0.0  | 0.0  | 0.0 |    |
|     | OBSERVATIONS |      |      |      |      |      |      |       |      |      |      |     |    |
| CTD | 112          | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 153  | 112  | 112  | 112 |    |
| NO  | 1            | 1    | 1    | 1    | 1    | 1    | 1    | 1     | 1    | 0    | 0    | 1   | 12 |

СТАЛЛИ РИГЭ

3 1 2 1 4 2 5 4 3 2 1

DATE: 1981/1/22

CR: 3968.07 47

LONG

468.81 311

DATE 1114 N

|                | SEPT | OCTO | NOV | DEC | JANU | FEB  | MAR  | APR  | MAY  | JUN  | JUL | AUG    |
|----------------|------|------|-----|-----|------|------|------|------|------|------|-----|--------|
| 1              |      |      |     |     |      |      |      |      |      |      |     |        |
| 2              | 2.7  |      |     |     |      |      |      | 2.7  |      |      |     |        |
| 3              | 3.0  |      |     |     |      |      |      |      |      |      |     |        |
| 4              | 26.8 |      |     | .7  |      |      |      |      |      |      |     |        |
| 5              | 5.6  |      |     |     |      |      |      |      |      |      |     |        |
| 6              | 5.7  |      |     |     |      |      |      | 2.0  |      |      |     |        |
| 7              |      |      |     |     |      |      |      |      | 7.3  |      |     |        |
| 8              |      |      |     |     |      |      |      |      | 51.0 |      |     |        |
| 9              |      |      |     |     |      |      |      |      |      |      |     |        |
| 10             |      |      |     |     |      |      |      |      |      |      |     |        |
| 11             |      |      |     |     |      |      |      |      |      |      |     |        |
| 12             |      |      |     |     |      |      |      |      |      |      |     |        |
| 13             |      |      |     |     |      |      |      |      |      |      |     |        |
| 14             |      |      |     |     |      |      |      |      |      |      |     |        |
| 15             | 6.7  |      |     |     |      |      | 5.4  |      |      |      |     |        |
| 16             |      |      |     |     |      |      | 13.7 |      | 13.0 | 16.4 |     |        |
| 17             |      |      |     |     |      |      |      |      | 8.0  | 7.3  |     |        |
| 18             |      |      |     |     |      |      |      |      | 2.0  |      |     |        |
| 19             | 10.4 |      |     |     | 21.5 | 4.1  |      |      | 4.0  |      |     |        |
| 20             |      |      |     |     |      |      |      |      | 5.0  |      |     |        |
| 21             |      |      |     | 2.6 | .7   |      | 2.3  |      |      | 7.3  |     |        |
| 22             |      |      |     | 2.9 |      |      |      |      |      |      |     |        |
| 23             |      |      |     |     |      |      | 1.7  |      |      |      |     |        |
| 24             |      |      |     |     |      |      |      |      |      |      |     |        |
| 25             | 2.8  |      |     |     |      |      |      |      |      |      |     |        |
| 26             |      | 12.6 |     |     |      |      |      |      | 5.0  |      |     |        |
| 27             |      |      |     |     |      |      |      |      | 1.5  |      |     |        |
| 28             |      |      |     |     |      |      |      |      |      |      |     |        |
| 29             |      |      |     |     |      |      |      |      |      |      |     |        |
| 30             |      |      |     |     |      |      |      |      |      |      |     |        |
| 31             |      |      |     |     |      |      |      |      |      |      |     |        |
| TOTAL          | 10.5 | 12.2 | 1.6 | 5.1 | 22.7 | 76.6 | 5.1  | 42.5 | 74.7 | 2.0  | 7.3 | 61.3   |
| TOTAL ANNUAL = |      |      |     |     |      |      |      |      |      |      |     | \$17.7 |







|                     | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAI  | JUIN | JUIL | AOUT           |
|---------------------|------|------|------|------|------|------|------|-------|------|------|------|----------------|
| 1                   |      |      |      |      |      |      |      |       |      | 2.5  |      |                |
| 2                   | 1.4  |      |      |      |      |      |      |       |      |      |      |                |
| 3                   | 13.4 |      |      |      |      |      |      |       |      |      |      |                |
| 4                   | 5.4  |      |      |      |      |      |      |       |      |      |      |                |
| 5                   |      |      |      |      |      |      |      |       |      |      |      |                |
| 6                   |      |      |      |      |      |      |      | 4.6   |      | 5.9  |      |                |
| 7                   |      |      |      |      |      |      |      |       |      |      |      |                |
| 8                   |      |      |      |      |      |      |      |       | 11.5 |      |      |                |
| 9                   |      |      |      |      |      |      |      |       | 20.8 | 7.5  |      |                |
| 10                  |      |      |      |      |      |      |      |       |      |      | 4    |                |
| 11                  |      |      |      |      |      |      |      |       | 1.7  |      |      |                |
| 12                  |      |      |      |      |      |      |      |       |      |      |      | 1.4            |
| 13                  |      |      |      |      |      |      |      |       |      |      |      |                |
| 14                  | 4.7  |      |      |      |      | 2.1  |      | 2.4   |      |      |      | 23.1           |
| 15                  | 1.6  |      |      |      | 2.5  |      |      | 3.9   |      |      |      |                |
| 16                  | 2.6  |      |      |      |      | 12.4 |      | 6.6   | 4    |      |      |                |
| 17                  | 4.3  |      |      |      |      |      |      |       | 5    |      |      |                |
| 18                  | 7.4  |      |      |      | 14.6 | 2.5  |      | 29.6  | 10   |      |      |                |
| 19                  |      |      |      |      | 4.9  | 1.1  |      | 7.4   |      |      |      |                |
| 20                  | 4    | 2.6  |      |      | 2.4  |      |      |       |      | 1.4  |      |                |
| 21                  |      |      |      |      |      |      |      |       |      |      | 2.5  |                |
| 22                  |      |      |      | 6.9  |      |      |      |       | 9.4  |      | 4.5  | 24.6           |
| 23                  |      | 1.9  |      |      |      |      | 1.0  |       |      |      | 3.6  |                |
| 24                  | 1.6  | 2.5  |      |      |      |      |      |       |      |      | 2.5  |                |
| 25                  | 1.5  | 17.2 |      |      |      |      | 3    |       |      |      |      | 13.5           |
| 26                  |      |      |      |      |      |      |      | 10.6  |      |      |      |                |
| 27                  |      |      |      |      | 1.3  |      |      | 11.5  |      |      |      |                |
| 28                  |      |      |      |      |      |      |      | 1.7   |      |      |      |                |
| 29                  |      |      |      |      |      |      |      |       |      |      |      |                |
| 30                  |      |      |      |      |      |      |      |       |      |      |      |                |
| 31                  |      |      |      |      |      |      |      |       | 1.7  |      |      |                |
| TOT                 | 45.5 | 20.7 | 0.2  | 4.7  | 25.7 | 16.1 | 1.3  | 78.3  | 45.5 | 12.4 | 6.1  | 57.7           |
| OBSERVATEUR: HASSIN |      |      |      |      |      |      |      |       |      |      |      | TOTAL: MANUELA |
|                     |      |      |      |      |      |      |      |       |      |      |      | 355.6          |
| EXP                 | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112  | 112  | 112  | 112            |
| M J                 | 11   | 6    | 5    | 1    | 5    | 4    | 2    | 0     | 5    | 4    | 3    | 6              |

| STATION 27800      |      | GAFSA : 54      |      |      |      | ANHEF 773171952 |      |            |      |      |      |
|--------------------|------|-----------------|------|------|------|-----------------|------|------------|------|------|------|
|                    |      | DATA 384P.25 00 |      |      |      | LUNAR 70P.15 10 |      | ALTA 100 4 |      |      |      |
| SHIP               | DEPT | NOVE            | DECE | JANU | FEBE | MARS            | APRE | MAY        | JUNE | JULY | AUGU |
| 1                  | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 2                  | 3.0  | -               | -    | -    | -    | -               | 1.0  | -          | -    | -    | -    |
| 3                  | 0    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 4                  | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 5                  | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 6                  | -    | -               | -    | -    | -    | -               | 1.4  | -          | -    | -    | -    |
| 7                  | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 8                  | -    | -               | -    | -    | -    | -               | -    | 5.1        | 1.9  | -    | -    |
| 9                  | -    | -               | -    | -    | -    | -               | -    | 5.4        | 15.7 | -    | -    |
| 10                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 11                 | -    | -               | -    | -    | -    | -               | -    | 6.5        | -    | -    | -    |
| 12                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 13                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 14                 | -    | -               | -    | -    | -    | -               | 1.5  | -          | -    | -    | -    |
| 15                 | -    | -               | -    | -    | -    | -               | 1.0  | -          | -    | -    | -    |
| 16                 | -    | -               | -    | -    | 5.1  | -               | -    | -          | -    | -    | -    |
| 17                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 18                 | -    | -               | -    | 12.9 | -    | -               | 3.7  | -          | -    | -    | -    |
| 19                 | -    | -               | -    | 9.5  | -    | -               | 3.7  | -          | -    | -    | -    |
| 20                 | -    | -               | -    | 1.0  | 7.6  | 1.3             | -    | 1.5        | -    | -    | -    |
| 21                 | -    | -               | -    | 1.0  | -    | -               | -    | -          | -    | -    | -    |
| 22                 | -    | -               | 4.3  | 1.0  | -    | -               | -    | -          | -    | -    | -    |
| 23                 | -    | -               | -    | 1.4  | 1.7  | -               | -    | -          | -    | -    | -    |
| 24                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 25                 | 1.0  | 1.0             | -    | 1.1  | -    | -               | -    | -          | -    | -    | -    |
| 26                 | -    | -               | -    | -    | 1.5  | -               | 1.9  | -          | -    | -    | -    |
| 27                 | -    | -               | -    | 1.1  | -    | -               | 10.5 | -          | -    | -    | -    |
| 28                 | -    | -               | -    | 1.3  | -    | -               | 2.0  | -          | -    | -    | -    |
| 29                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 30                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| 31                 | -    | -               | -    | -    | -    | -               | -    | -          | -    | -    | -    |
| TOT                | 4.7  | 1.3             | 5.1  | 6.3  | 23.3 | 13.7            | 1.3  | 37.7       | 20.9 | 16.6 | 11.7 |
| OBSERVATORY USED   |      |                 |      |      |      |                 |      |            |      |      |      |
| TOTAL NUMBER 123.3 |      |                 |      |      |      |                 |      |            |      |      |      |











614960 21277

$$q_1, q_2, q_3 \in \mathbb{P} \quad (L_1 \leq L_2 \leq L_3)$$

AMH: 1981/1282

|     | LAT- 100A.51 03           |      |      |      | LONG- 70A.80 00 |      |      |      | ALT* | JIR # |      |      | A                   |
|-----|---------------------------|------|------|------|-----------------|------|------|------|------|-------|------|------|---------------------|
|     | SLEP                      | DEFO | NOVE | DEFE | JANU            | FEVR | MARS | AVRL | MAY  | JUNJ  | JULJ | AUGT |                     |
| 1   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 1                   |
| 2   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 2                   |
| 3   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 3                   |
| 4   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 4                   |
| 5   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 5                   |
| 6   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 6                   |
| 7   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 7                   |
| 8   | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 8                   |
| 9   | -                         | -    | -    | -    | -               | -    | -    | -    | 4.0  | -     | -    | -    | 9                   |
| 10  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 10                  |
| 11  | -                         | -    | -    | -    | -               | -    | -    | -    | 10.3 | -     | -    | -    | 11                  |
| 12  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 12                  |
| 13  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 13                  |
| 14  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 14                  |
| 15  | -                         | -    | -    | -    | -               | -    | -    | -    | 18.5 | -     | -    | -    | 15                  |
| 16  | -                         | -    | -    | -    | -               | 1.0  | -    | -    | -    | -     | -    | -    | 16                  |
| 17  | -                         | -    | -    | -    | 9.5             | -    | -    | -    | -    | -     | -    | -    | 17                  |
| 18  | -                         | -    | -    | -    | -               | -    | -    | 9    | -    | -     | -    | -    | 18                  |
| 19  | -                         | -    | -    | -    | -               | -    | -    | 9    | -    | -     | -    | -    | 19                  |
| 20  | -                         | -    | -    | -    | -               | 16.0 | -    | -    | -    | -     | -    | -    | 20                  |
| 21  | -                         | -    | -    | -    | -               | -    | 5.0  | -    | -    | -     | -    | -    | 21                  |
| 22  | -                         | -    | -    | 1.3  | -               | 2.6  | -    | -    | -    | -     | -    | -    | 22                  |
| 23  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 23                  |
| 24  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 24                  |
| 25  | -                         | 10.4 | -    | -    | -               | -    | -    | -    | -    | -     | 7.0  | -    | 25                  |
| 26  | -                         | -    | 1.7  | -    | -               | -    | -    | 14.0 | -    | -     | -    | -    | 26                  |
| 27  | -                         | -    | -    | -    | 1.0             | -    | -    | 11.0 | -    | -     | 5.0  | -    | 27                  |
| 28  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 28                  |
| 29  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 29                  |
| 30  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 30                  |
| 31  | -                         | -    | -    | -    | -               | -    | -    | -    | -    | -     | -    | -    | 31                  |
| TOT | 0.0                       | 10.4 | 1.7  | 1.3  | 10.5            | 19.6 | 5.0  | 26.8 | 32.8 | 0.0   | 12.0 | 0.0  |                     |
|     | OBSERVATEUR- AMANDA SMARI |      |      |      |                 |      |      |      |      |       |      |      | TOTAL ANNUEL- 120.1 |
| CON | 112                       | 112  | 112  | 112  | 112             | 112  | 112  | 112  | 112  | 112   | 112  | 112  |                     |
| H J | 0                         | 1    | 1    | 1    | 2               | 3    | 1    | 4    | 3    | 0     | 2    | 0    | 18                  |

5147404 93548

LEARN GEMSS CNGP

ANNEE 1981/1982

[illegible]







STATION 44224

MICHAGIA

MOUSE 1981/1982

DATE: 1981, 11, 10

LOCALITY

700, 17, 10

ALT: 300 m

|     | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | APRI | MAY  | JUNJ | JULJ | AUGT |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1   | -    | -    | -    | -    | -    | -    | -    | 12.5 | -    | -    | -    | -    |
| 2   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 3   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 4   | 2.0  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 5   | -    | -    | -    | -    | 2.0  | -    | -    | -    | -    | -    | -    | -    |
| 6   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 7   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 8   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 9   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 10  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 11  | -    | -    | -    | -    | -    | -    | -    | -    | 7.0  | -    | -    | -    |
| 12  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 13  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 14  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 15  | -    | -    | -    | -    | -    | -    | -    | 2.0  | -    | -    | -    | -    |
| 16  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 17  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 18  | -    | -    | -    | -    | -    | -    | -    | 7.0  | -    | -    | -    | -    |
| 19  | -    | -    | -    | -    | -    | 12.5 | -    | 7.5  | -    | -    | -    | -    |
| 20  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 21  | -    | -    | -    | -    | -    | -    | 7.5  | -    | -    | -    | -    | -    |
| 22  | -    | -    | -    | 1.5  | -    | 1.0  | -    | -    | 13.0 | -    | -    | -    |
| 23  | -    | -    | -    | -    | -    | -    | 1.5  | -    | -    | -    | -    | -    |
| 24  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 25  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 26  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 27  | -    | -    | -    | -    | -    | -    | -    | 24.0 | -    | -    | -    | -    |
| 28  | -    | -    | -    | -    | 1.0  | -    | -    | -    | -    | -    | -    | -    |
| 29  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 30  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 31  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| TOT | 2.0  | 1.0  | 0.0  | 1.5  | 4.0  | 11.0 | 7.5  | 59.0 | 37.0 | 0.0  | 0.0  | 1.0  |

OBSERVATION: ANDP

TOTAL ANNUAL

105.4

|       |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| COUNT | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| NO.   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |

STATION 44225

MICHAGIA

MOUSE 1981/1982

DATE: 1981, 11, 10

LOCALITY

700, 17, 10

ALT: 355 m

|     | SEPT | OCTO | NOVE | DECE | JANV | FEBV | MARS | APRI | MAY  | JUNJ | JULJ | AUGT |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1   | -    | -    | -    | -    | -    | -    | -    | 10.1 | -    | -    | -    | -    |
| 2   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 3   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 4   | 15.0 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 5   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 6   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 7   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 8   | -    | -    | -    | -    | -    | -    | -    | -    | 5.1  | -    | -    | -    |
| 9   | -    | -    | -    | -    | -    | -    | -    | -    | 1.2  | -    | -    | -    |
| 10  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 11  | -    | -    | -    | -    | -    | -    | -    | -    | 7.0  | -    | -    | -    |
| 12  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 13  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 14  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 15  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 16  | -    | -    | -    | -    | 3.1  | -    | -    | -    | -    | -    | -    | -    |
| 17  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 18  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 19  | -    | -    | -    | -    | -    | -    | -    | 2.2  | -    | -    | -    | -    |
| 20  | -    | -    | -    | -    | -    | -    | -    | 2.2  | -    | -    | -    | -    |
| 21  | -    | -    | -    | -    | -    | -    | 3.6  | -    | -    | -    | -    | -    |
| 22  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 23  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 24  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 25  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 26  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 27  | -    | -    | -    | -    | -    | -    | -    | 71.8 | -    | -    | -    | -    |
| 28  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 29  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 30  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 31  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| TOT | 15.0 | 0.0  | 0.0  | 0.0  | 3.1  | 0.0  | 6.6  | 35.3 | 12.6 | 1.0  | 0.0  | 0.0  |

OBSERVATION: GUHMI

TOTAL ANNUAL

75.1



2000 年 10 月 10 日

01234567891011121314151617181920212223242526272829303132333435363738394041424344454647484950515253545556575859606162636465666768697071727374757677787980818283848586878889909192939495969798991001011021031041051061071081091101111121131141151161171181191201211221231241251261271281291301311321331341351361371381391401411421431441451461471481491501511521531541551561571581591601611621631641651661671681691701711721731741751761771781791801811821831841851861871881891901911921931941951961971981992002012022032042052062072082092102112122132142152162172182192202212222232242252262272282292302312322332342352362372382392402412422432442452462472482492502512522532542552562572582592602612622632642652662672682692702712722732742752762772782792802812822832842852862872882892902912922932942952962972982993003013023033043053063073083093103113123133143153163173183193203213223233243253263273283293303313323333343353363373383393403413423433443453463473483493503513523533543553563573583593603613623633643653663673683693703713723733743753763773783793803813823833843853863873883893903913923933943953963973983994004014024034044054064074084094104114124134144154164174184194204214224234244254264274284294304314324334344354364374384394404414424434444454464474484494504514524534544554564574584594604614624634644654664674684694704714724734744754764774784794804814824834844854864874884894904914924934944954964974984995005015025035045055065075085095105115125135145155165175185195205215225235245255265275285295305315325335345355365375385395405415425435445455465475485495505515525535545555565575585595605615625635645655665675685695705715725735745755765775785795805815825835845855865875885895905915925935945955965975985996006016026036046056066076086096106116126136146156166176186196206216226236246256266276286296306316326336346356366376386396406416426436446456466476486496506516526536546556566576586596606616626636646656666676686696706716726736746756766776786796806816826836846856866876886896906916926936946956966976986997007017027037047057067077087097107117127137147157167177187197207217227237247257267277287297307317327337347357367377387397407417427437447457467477487497507517527537547557567577587597607617627637647657667677687697707717727737747757767777787797807817827837847857867877887897907917927937947957967977987998008018028038048058068078088098108118128138148158168178188198208218228238248258268278288298308318328338348358368378388398408418428438448458468478488498508518528538548558568578588598608618628638648658668678688698708718728738748758768778788798808818828838848858868878888898908918928938948958968978988999009019029039049059069079089099109119129139149159169179189199209219229239249259269279289299309319329339349359369379389399409419429439449459469479489499509519529539549559569579589599609619629639649659669679689699709719729739749759769779789799809819829839849859869879889899909919929939949959969979989991000100110021003100410051006100710081009101010111012101310141015101610171018101910201021102210231024102510261027102810291030103110321033103410351036103710381039104010411042104310441045104610471048104910501051105210531054105510561057105810591060106110621063106410651066106710681069107010711072107310741075107610771078107910801081108210831084108510861087108810891090109110921093109410951096109710981099110011011102110311041105110611071108110911101111111211131114111511161117111811191120112111221123112411251126112711281129113011311132113311341135113611371138113911401141114211431144114511461147114811491150115111521153115411551156115711581159116011611162116311641165116611671168116911701171117211731174117511761177117811791180118111821183118411851186118711881189119011911192119311941195119611971198119912001201120212031204120512061207120812091210121112121213121412151216121712181219122012211222122312241225122612271228122912301231123212331234123512361237123812391240124112421243124412451246124712481249125012511252125312541255125612571258125912601261126212631264126512661267126812691270127112721273127412751276127712781279128012811282128312841285128612871288128912901291129212931294129512961297129812991300

ANNUAL REPORT 1999-2000

[illegible]

1004

411. 652. 2.

[illegible]

STAT 344 12

NETALU: 5m

ANAL. Calcd for  $C_{10}H_{12}O$ : C, 85.70%; H, 8.96%. Found: C, 85.6%; H, 8.9%.

LA := 5262, 75 00 LONG := 647, 22 00

Large

1151 273 7

|                           | SEPT | OCTO | NOVE | DECE | JANU | FEBR | MAR | APR  | MAY  | JUN | JUL | AUG  |
|---------------------------|------|------|------|------|------|------|-----|------|------|-----|-----|------|
| 1                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 1    |
| 2                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 2    |
| 3                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 3    |
| 4                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 4    |
| 5                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 5    |
| 6                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 6    |
| 7                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 7    |
| 8                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 8    |
| 9                         | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 9    |
| 10                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 10   |
| 11                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 11   |
| 12                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 12   |
| 13                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 13   |
| 14                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 14   |
| 15                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 15   |
| 16                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 16   |
| 17                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 17   |
| 18                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 18   |
| 19                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 19   |
| 20                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 20   |
| 21                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 21   |
| 22                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 22   |
| 23                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 23   |
| 24                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 24   |
| 25                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 25   |
| 26                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 26   |
| 27                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 27   |
| 28                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 28   |
| 29                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 29   |
| 30                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 30   |
| 31                        | .    | .    | .    | .    | .    | .    | .   | .    | .    | .   | .   | 31   |
| TOT                       | 3.7  | 5.0  | 0.0  | 0.4  | 15.0 | 9.0  | 0.0 | 22.5 | 13.0 | 1.7 | 0.0 | 1.0  |
| OBSERVABLES OTHER EQUATED |      |      |      |      |      |      |     |      |      |     |     | 75.6 |
| TOTAL                     | 3.7  | 5.0  | 0.0  | 0.4  | 15.0 | 9.0  | 0.0 | 22.5 | 13.0 | 1.7 | 0.0 | 1.0  |



| STATION: 66657              |     | MOIS/AN DISPENSATION |      |                   |      |            |      |      | ANNÉE: 1957/1958 |     |      |               |      |
|-----------------------------|-----|----------------------|------|-------------------|------|------------|------|------|------------------|-----|------|---------------|------|
|                             |     | LAT: 36° 41' 25"     |      | LONG: 76° 54' 42" |      | ALT: 157 m |      |      |                  |     |      |               |      |
|                             |     | SEPT                 | OCTO | NOVE              | DECE | JANV       | FEBV | MARS | AVRIL            | MAI | JUIN | JUIL          | AOUT |
| 1                           | -   | -                    | -    | -                 | -    | -          | -    | -    | 5.7              | -   | -    | -             | -    |
| 2                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 3                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 4                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 5                           | 1.5 | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 6                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 7                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 8                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 9                           | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | 5.1 | -    | -             | -    |
| 10                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | 4.7  |
| 11                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | 4.8 | -    | -             | -    |
| 12                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 13                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 14                          | -   | -                    | -    | -                 | -    | -          | 1.5  | -    | -                | -   | -    | -             | -    |
| 15                          | -   | -                    | -    | -                 | -    | 1.5        | 1.5  | -    | -                | -   | -    | -             | -    |
| 16                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 17                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 18                          | -   | -                    | -    | -                 | -    | 1.3        | -    | -    | 1.7              | -   | -    | -             | -    |
| 19                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 20                          | -   | -                    | -    | -                 | -    | -          | 6.5  | -    | -                | -   | -    | -             | -    |
| 21                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 22                          | -   | -                    | -    | -                 | -    | -          | 2.0  | 7.5  | -                | -   | -    | -             | -    |
| 23                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 24                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 25                          | 1.0 | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | 5.5  |
| 26                          | -   | -                    | -    | -                 | -    | -          | -    | -    | 11.0             | -   | -    | 7.5           | -    |
| 27                          | -   | -                    | -    | -                 | -    | -          | -    | -    | 12.5             | -   | -    | -             | -    |
| 28                          | -   | -                    | -    | -                 | -    | -          | -    | -    | 1.0              | -   | -    | -             | -    |
| 29                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| 30                          | -   | -                    | -    | -                 | -    | -          | -    | 1.5  | -                | -   | -    | -             | -    |
| 31                          | -   | -                    | -    | -                 | -    | -          | -    | -    | -                | -   | -    | -             | -    |
| TOT                         | 2.5 | 9.0                  | 0.2  | 0.0               | 1.7  | 11.0       | 8.2  | 31.2 | 5.8              | 1.7 | 7.5  | 3.2           |      |
| OBSERVATEUR= ZAPRAI FOUJINE |     |                      |      |                   |      |            |      |      |                  |     |      | TOTAL ANNUEL= | 75.3 |
| LYA = 112                   | 112 | 112                  | 112  | 112               | 112  | 112        | 112  | 112  | 112              | 112 | 112  | 112           |      |
| N° 2                        | 2   | 0                    | 0    | 0                 | 2    | 4          | 2    | 5    | 2                | 0   | 0    | 0             | 27   |

| STATION: 66658               |     | MOIS/AN DISPENSATION |      |      |                   |      |      |            | ANNÉE: 1957/1958 |      |      |               |       |
|------------------------------|-----|----------------------|------|------|-------------------|------|------|------------|------------------|------|------|---------------|-------|
|                              |     | LAT: 36° 41' 25"     |      |      | LONG: 76° 54' 42" |      |      | ALT: 157 m |                  |      |      |               |       |
|                              |     | SEPT                 | OCTO | NOVE | DECE              | JANV | FEBV | MARS       | AVRIL            | MAY  | JUIN | JUIL          | AOUT  |
| 1                            | 1   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 2                            | 2   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 3                            | 3   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 4                            | 4   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 5                            | 5   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 6                            | 6   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 7                            | 7   |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 8                            | 8   |                      |      |      |                   |      |      |            |                  | 12.5 | 6.0  |               |       |
| 9                            | 9   |                      |      |      |                   |      |      |            |                  |      | 9.0  |               |       |
| 10                           | 10  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 11                           | 11  |                      |      |      |                   |      |      |            |                  | 5.0  |      |               |       |
| 12                           | 12  |                      |      |      |                   |      |      |            |                  | 25.5 |      |               |       |
| 13                           | 13  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 14                           | 14  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 15                           | 15  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 16                           | 16  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 17                           | 17  |                      |      |      |                   |      | 4.5  |            |                  |      |      |               |       |
| 18                           | 18  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 19                           | 19  |                      |      |      |                   | 37.0 |      |            |                  |      |      |               |       |
| 20                           | 20  |                      |      |      |                   |      |      |            | 6.5              |      |      |               |       |
| 21                           | 21  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 22                           | 22  |                      |      |      | 1.5               |      |      |            |                  |      |      |               |       |
| 23                           | 23  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 24                           | 24  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 25                           | 25  |                      |      |      |                   | 1.0  |      |            |                  |      |      |               |       |
| 26                           | 26  |                      |      |      |                   | 1.5  |      |            |                  |      |      |               |       |
| 27                           | 27  |                      |      |      |                   |      |      |            | 10.5             |      |      |               |       |
| 28                           | 28  |                      |      |      |                   |      |      |            | 15.5             |      |      |               |       |
| 29                           | 29  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 30                           | 30  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| 31                           | 31  |                      |      |      |                   |      |      |            |                  |      |      |               |       |
| TOT                          | 5.7 | 1.0                  | 2.4  | 1.5  | 11.5              | 4.5  | 0.5  | 47.5       | 16.7             | 12.0 | 0.0  | 0.0           |       |
| OBSERVATEUR= ALI BEN MOHAMED |     |                      |      |      |                   |      |      |            |                  |      |      | TOTAL ANNUEL= | 146.2 |







STATION 15750

OULET HANSON

ANNE-1961/1962

|     | DATE 1961/62 |     |     |     | LONGR |      |      |       | HGT 10 05 |     |     |     |
|-----|--------------|-----|-----|-----|-------|------|------|-------|-----------|-----|-----|-----|
|     | SEPT         | OCT | NOV | DEC | JANV  | FEBV | MARS | AVRIL | MAI       | JUN | JUL | AUG |
| 1   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 2   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 3   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 4   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 5   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 6   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 7   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 8   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 9   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 10  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 11  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 12  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 13  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 14  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 15  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 16  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 17  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 18  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 19  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 20  | -            | -   | -   | -   | -     | -    | -    | 1.0   | -         | -   | -   | -   |
| 21  | -            | -   | -   | -   | -     | -    | 5.0  | -     | -         | -   | -   | -   |
| 22  | -            | -   | -   | 2.0 | -     | -    | -    | -     | -         | -   | -   | -   |
| 23  | -            | -   | -   | -   | -     | 2.0  | -    | -     | -         | -   | -   | -   |
| 24  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 25  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 26  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 27  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 28  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 29  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 30  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 31  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| TOT | 0.0          | 0.0 | 0.0 | 2.0 | 0.0   | 2.0  | 5.0  | 4.0   | 0.0       | 0.0 | 0.0 | 0.0 |

OBSERVATIONS HELGELER

TOTAL ANNUAL 4.0

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 000 | 112 | 112 | 112 |
| 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

STATION 15750

OULET HANSON

ANNE-1961/1962

|     | DATE 1961/62 |     |     |     | LONGR |      |      |       | HGT 10 05 |     |     |     |
|-----|--------------|-----|-----|-----|-------|------|------|-------|-----------|-----|-----|-----|
|     | SEPT         | OCT | NOV | DEC | JANV  | FEBV | MARS | AVRIL | MAI       | JUN | JUL | AUG |
| 1   | -            | -   | -   | -   | -     | -    | -    | 15.0  | -         | -   | -   | -   |
| 2   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 3   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 4   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 5   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 6   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 7   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 8   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 9   | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 10  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 11  | -            | -   | -   | -   | -     | -    | -    | -     | 10.0      | -   | -   | -   |
| 12  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 13  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 14  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 15  | -            | -   | -   | -   | -     | 2.0  | -    | -     | -         | -   | -   | -   |
| 16  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 17  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 18  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 19  | -            | -   | -   | -   | -     | -    | -    | 5.0   | -         | -   | -   | -   |
| 20  | -            | -   | -   | -   | -     | -    | -    | 5.0   | -         | -   | -   | -   |
| 21  | -            | -   | -   | -   | -     | -    | 5.0  | -     | -         | -   | -   | -   |
| 22  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 23  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 24  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 25  | -            | 2.0 | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 26  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 27  | -            | -   | -   | -   | -     | -    | -    | 20.0  | -         | -   | -   | -   |
| 28  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 29  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 30  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| 31  | -            | -   | -   | -   | -     | -    | -    | -     | -         | -   | -   | -   |
| TOT | 0.0          | 2.0 | 0.0 | 0.0 | 0.0   | 2.0  | 5.0  | 45.0  | 10.0      | 0.0 | 0.0 | 0.0 |

OBSERVATIONS HELGELER

TOTAL ANNUAL 10.0



STATION 34570

JULIO POU SARA

ANNEE 1961/1962

|     | LAT = 34° 26' 50" |      |      |      | LONG = 76° 45' 00" |      |      |      | ALT = 545 m |      |      |      |    |
|-----|-------------------|------|------|------|--------------------|------|------|------|-------------|------|------|------|----|
|     | SEPT              | OCTO | NOVE | DECE | JANV               | FEBV | MARS | AVRI | MAI         | JUIN | JULI | AOUT |    |
| 1   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 1  |
| 2   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 2  |
| 3   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 3  |
| 4   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 4  |
| 5   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 5  |
| 6   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 6  |
| 7   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 7  |
| 8   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 8  |
| 9   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 9  |
| 10  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 10 |
| 11  | -                 | -    | -    | -    | -                  | -    | -    | -    | 3.5         | -    | -    | -    | 11 |
| 12  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | 4.0  | 12 |
| 13  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 13 |
| 14  | -                 | -    | -    | -    | -                  | -    | 9.0  | -    | -           | -    | -    | -    | 14 |
| 15  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 15 |
| 16  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 16 |
| 17  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 17 |
| 18  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 18 |
| 19  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 19 |
| 20  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 20 |
| 21  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 21 |
| 22  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 22 |
| 23  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 23 |
| 24  | -                 | -    | -    | -    | 2.0                | -    | -    | -    | -           | -    | -    | -    | 24 |
| 25  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 25 |
| 26  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 26 |
| 27  | -                 | -    | -    | -    | -                  | -    | -    | 7.0  | -           | -    | -    | -    | 27 |
| 28  | -                 | -    | -    | -    | -                  | -    | -    | 3.0  | -           | -    | -    | -    | 28 |
| 29  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 29 |
| 30  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 30 |
| 31  | -                 | -    | -    | -    | -                  | -    | 5.0  | -    | -           | -    | -    | -    | 31 |
| TOT | -                 | 0.0  | 0.0  | -    | -                  | 0.0  | 14.0 | -    | -           | 0.0  | 0.0  | 4.0  |    |

OBSERVATEUR = B MESSAOUH MED

TOTAL ANNUEL = \*\*\*\*\*

|           |     |     |     |     |     |     |     |     |     |     |     |   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| CON = 180 | NSA | 112 | 090 | 132 | 112 | 112 | 132 | 132 | 142 | 112 | 112 | 1 |
| N J       | -   | -   | 0   | -   | 0   | 2   | -   | -   | 0   | 0   | 1   | - |

STATION 35123

OUH LAASAB

ANNEE 1961/1962

|     | LAT = 35° 55' 00" |      |      |      | LONG = 66° 22' 00" |      |      |      | ALT = 624 m |      |      |      |    |
|-----|-------------------|------|------|------|--------------------|------|------|------|-------------|------|------|------|----|
|     | SEPT              | OCTO | NOVE | DECE | JANV               | FEBV | MARS | AVRI | MAI         | JUIN | JULI | AOUT |    |
| 1   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 1  |
| 2   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 2  |
| 3   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 3  |
| 4   | 2.0               | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 4  |
| 5   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 5  |
| 6   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 6  |
| 7   | -                 | -    | -    | -    | -                  | -    | -    | 3.0  | -           | -    | -    | -    | 7  |
| 8   | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 8  |
| 9   | -                 | -    | -    | -    | -                  | -    | -    | -    | 20.5        | -    | -    | -    | 9  |
| 10  | -                 | -    | -    | -    | -                  | -    | -    | -    | 21.0        | -    | -    | -    | 10 |
| 11  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 11 |
| 12  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 12 |
| 13  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 13 |
| 14  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 14 |
| 15  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 15 |
| 16  | 4.0               | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 16 |
| 17  | -                 | -    | -    | -    | -                  | 15.0 | -    | -    | -           | -    | -    | -    | 17 |
| 18  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 18 |
| 19  | -                 | -    | -    | -    | 7.0                | -    | -    | 15.0 | -           | -    | -    | -    | 19 |
| 20  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 20 |
| 21  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 21 |
| 22  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 22 |
| 23  | -                 | -    | -    | 4.0  | -                  | -    | -    | -    | -           | -    | -    | -    | 23 |
| 24  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 24 |
| 25  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 25 |
| 26  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 26 |
| 27  | -                 | -    | -    | -    | -                  | -    | -    | 11.0 | -           | -    | -    | -    | 27 |
| 28  | -                 | -    | -    | -    | -                  | -    | -    | 10.0 | -           | -    | -    | -    | 28 |
| 29  | -                 | -    | -    | -    | -                  | -    | -    | 1.0  | -           | -    | -    | -    | 29 |
| 30  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 30 |
| 31  | -                 | -    | -    | -    | -                  | -    | -    | -    | -           | -    | -    | -    | 31 |
| TOT | 6.0               | 0.0  | 0.0  | 4.0  | 7.0                | 15.0 | 0.0  | 36.0 | 41.5        | 0.0  | 0.0  | 0.0  |    |

OBSERVATEUR =

TOTAL ANNUEL = 107.5

|           |     |     |     |     |     |     |     |     |     |     |     |   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| CON = 180 | NSA | 112 | 090 | 132 | 112 | 112 | 132 | 132 | 142 | 112 | 112 | 1 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|











STATION 86604

SITE AICH

ANNEX 1951/1952

LAT= 36GR, 59 50

LONG= 76GR, 14 10

ALT= 550 M

|     | SEPT | OCTO | NOVE | DECE | JANU | FEBR | MARS | AVRIL | MAI  | JUIN | JULI | AUG |    |
|-----|------|------|------|------|------|------|------|-------|------|------|------|-----|----|
| 1   | .    | .    | .    | .    | .    | .    | .    | 5.4   | .    | .    | .    | .   | 1  |
| 2   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 2  |
| 3   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 3  |
| 4   | N.D  | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 4  |
| 5   | 20.0 | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 5  |
| 6   | .    | .    | .    | .    | .    | .    | .    | 2.5   | .    | .    | .    | .   | 6  |
| 7   | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 7  |
| 8   | .    | .    | .    | .    | .    | .    | .    | .     | 6.0  | .    | .    | .   | 8  |
| 9   | .    | .    | .    | .    | .    | .    | .    | .     | 12.0 | .    | .    | .   | 9  |
| 10  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 10 |
| 11  | .    | .    | .    | .    | .    | .    | .    | .     | 2.4  | 14.2 | .    | .   | 11 |
| 12  | .    | .    | .    | .    | .    | .    | .    | .     | 6.1  | 1.5  | .    | .   | 12 |
| 13  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 13 |
| 14  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 14 |
| 15  | .    | .    | .    | .    | .    | 2.0  | .    | .     | .    | .    | .    | .   | 15 |
| 16  | .    | .    | .    | .    | .    | .    | .    | 1.0   | .    | .    | .    | .   | 16 |
| 17  | .    | .    | .    | .    | .    | 7.2  | .    | .     | .    | .    | .    | .   | 17 |
| 18  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 18 |
| 19  | .    | .    | .    | .    | 6.0  | .    | .    | 12.0  | .    | .    | .    | .   | 19 |
| 20  | .    | .    | .    | .    | 14.2 | .    | .    | 6.3   | .    | .    | .    | .   | 20 |
| 21  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 21 |
| 22  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 22 |
| 23  | .    | .    | .    | .    | .    | 1.2  | .    | .     | 2.4  | .    | .    | .   | 23 |
| 24  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 24 |
| 25  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 25 |
| 26  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 26 |
| 27  | .    | .    | .    | .    | .    | .    | .    | 8.5   | .    | .    | .    | .   | 27 |
| 28  | .    | .    | .    | .    | 1.0  | .    | .    | 11.0  | .    | .    | .    | .   | 28 |
| 29  | .    | .    | .    | .    | .    | .    | .    | 1.3   | .    | .    | .    | .   | 29 |
| 30  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 30 |
| 31  | .    | .    | .    | .    | .    | .    | .    | .     | .    | .    | .    | .   | 31 |
| TOT | 20.0 | 0.0  | 0.0  | 0.0  | 23.2 | 10.2 | 0.0  | 51.0  | 28.7 | 35.7 | 0.0  | 0.0 |    |

OBSERVATEUR= ALL SIGNIER

TOTAL ANNUEL= 177.6

|       |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| COPIE | 112 | 158 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |    |
| W J   | 2   | 2   | 3   | 3   | 3   | 2   | 2   | 3   | 5   | 2   | 3   | 3   | 20 |

STATION 86968

SQUAMI 5001 MAFDHER

ANNEX 1951/1952

LAT= 36GR, 11 20

LONG= 76GR, 54 10

ALT= 50 M

|     | SEPT | OCTO | NOVE | DECE | JANU | FEBR | MARS | AVRIL | MAI | JUIN | JULI | AUG |    |
|-----|------|------|------|------|------|------|------|-------|-----|------|------|-----|----|
| 1   | .    | .    | .    | .    | .    | .    | .    | 2.6   | .   | .    | .    | .   | 1  |
| 2   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 2  |
| 3   | 4.0  | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 3  |
| 4   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 4  |
| 5   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 5  |
| 6   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 6  |
| 7   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 7  |
| 8   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 8  |
| 9   | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 9  |
| 10  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 10 |
| 11  | .    | .    | .    | .    | .    | .    | .    | .     | 2.4 | .    | .    | .   | 11 |
| 12  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 12 |
| 13  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 13 |
| 14  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 14 |
| 15  | .    | .    | .    | .    | .    | 1.0  | .    | .     | .   | .    | .    | .   | 15 |
| 16  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 16 |
| 17  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 17 |
| 18  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 18 |
| 19  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 19 |
| 20  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 20 |
| 21  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 21 |
| 22  | .    | .    | .    | .    | .    | .    | .    | 9.8   | .   | .    | .    | .   | 22 |
| 23  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 23 |
| 24  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 24 |
| 25  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 25 |
| 26  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 26 |
| 27  | .    | .    | .    | .    | .    | .    | .    | 5.0   | .   | .    | 4.5  | .   | 27 |
| 28  | .    | .    | .    | .    | .    | .    | .    | 11.4  | .   | .    | .    | .   | 28 |
| 29  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 29 |
| 30  | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .   | 30 |
| 31  | .    | .    | .    | .    | .    | .    | .    | 2.6   | .   | .    | .    | .   | 31 |
| TOT | 4.0  | 13.9 | 0.0  | 0.0  | 0.0  | 0.0  | 11.4 | 19.0  | 2.4 | 0.0  | 4.5  | 0.0 |    |

OBSERVATEUR= MAHAMED SAID

TOTAL ANNUEL= 52.3



STATION 87107

LAHELLE, GN

PERIOD 1981/1987

|                          | LAT = 35GR 20 50 |      |      |      |      | LONG = 66W 23 18 |      |       | ALT = 350 M |      | N    |      |
|--------------------------|------------------|------|------|------|------|------------------|------|-------|-------------|------|------|------|
|                          | SEPT             | OCTO | NOVE | DECE | JANV | FEBV             | MARS | AVRIL | MAI         | JUIN | JUIL | AOUT |
| 1                        | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 2                        | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 3                        | 3.0              | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 4                        | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 5                        | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 6                        | .                | .    | .    | .    | .    | .                | .    | 7.1   | .           | .    | .    | .    |
| 7                        | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 8                        | .                | .    | .    | .    | .    | .                | .    | .     | 9.1         | .    | .    | .    |
| 9                        | .                | .    | .    | .    | .    | .                | .    | .     | 10.1        | .    | .    | .    |
| 10                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 11                       | .                | .    | .    | .    | .    | .                | .    | .     | 6.2         | .    | .    | .    |
| 12                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 13                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 14                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 15                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 16                       | .                | .    | .    | .    | .    | 13.3             | .    | .     | .           | .    | .    | .    |
| 17                       | .                | .    | .    | .    | .    | 6.1              | .    | .     | .           | .    | .    | .    |
| 18                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 19                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 20                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 21                       | .                | .    | .    | .    | .    | .                | .    | .     | 2.5         | .    | .    | .    |
| 22                       | .                | .    | .    | .    | .    | .                | .    | 2.1   | .           | .    | .    | .    |
| 23                       | .                | .    | .    | 1.0  | .    | .                | .    | .     | .           | .    | .    | .    |
| 24                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 25                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 26                       | .                | .    | .    | .    | .    | .                | .    | 7.2   | .           | .    | .    | .    |
| 27                       | .                | .    | .    | .    | .    | .                | .    | 5.1   | .           | .    | .    | .    |
| 28                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 29                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 30                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| 31                       | .                | .    | .    | .    | .    | .                | .    | .     | .           | .    | .    | .    |
| TOT                      | 5.0              | 2.0  | 0.0  | 1.0  | 0.0  | 19.6             | 0.0  | 20.5  | 27.9        | 3.0  | 0.0  | 0.0  |
| OBSERVATEUR = ABDELWAHAD |                  |      |      |      |      |                  |      |       |             |      |      |      |
| TOTAL ANNUEL = 72.0      |                  |      |      |      |      |                  |      |       |             |      |      |      |
| COM = 112                | 112              | 112  | 112  | 112  | 112  | 112              | 112  | 112   | 112         | 112  | 112  | 112  |
| N J                      | 1                | 0    | 0    | 1    | 0    | 0                | 0    | 0     | 0           | 0    | 0    | 1    |

STATION 87109

LAHELLE, GN

PERIOD 1981/1982

|     | LAT = 35GR 30 00 |      |      |      | LONG = 76W 16 00 |      |      | ALT = 374 M |      |      |      |      |
|-----|------------------|------|------|------|------------------|------|------|-------------|------|------|------|------|
|     | SEPT             | OCTO | NOVE | DECE | JANV             | FEBV | MARS | AVRIL       | MAI  | JUIN | JUIL | AOUT |
| 1   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 2   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 3   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 4   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 5   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 6   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 7   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 8   | .                | .    | .    | .    | .                | .    | .    | .           | 8.2  | .    | .    | .    |
| 9   | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 10  | .                | .    | .    | .    | .                | .    | .    | .           | 1.0  | .    | .    | .    |
| 11  | .                | .    | .    | .    | .                | .    | .    | .           | 11.5 | .    | .    | .    |
| 12  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 13  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 14  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 15  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 16  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 17  | .                | .    | .    | .    | .                | 3.1  | .    | .           | .    | .    | .    | .    |
| 18  | .                | .    | .    | .    | 3.0              | .    | .    | 3.0         | .    | .    | .    | .    |
| 19  | .                | .    | .    | .    | 5                | .    | .    | 4.8         | .    | .    | .    | .    |
| 20  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 21  | .                | .    | .    | .    | .                | .    | 8.2  | .           | .    | .    | .    | .    |
| 22  | .                | .    | .    | 2.0  | .                | .    | .    | .           | .    | .    | .    | .    |
| 23  | .                | .    | .    | .    | .                | 2.7  | .    | .           | .    | .    | .    | .    |
| 24  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 25  | 6.5              | 2.0  | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 26  | .                | .    | .    | .    | .                | .    | .    | 11.0        | .    | .    | .    | .    |
| 27  | .                | .    | .    | .    | .                | .    | .    | 11.0        | .    | .    | .    | .    |
| 28  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 29  | .                | .    | .    | .    | .                | .    | .    | 7           | .    | .    | .    | .    |
| 30  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| 31  | .                | .    | .    | .    | .                | .    | .    | .           | .    | .    | .    | .    |
| TOT | 8.5              | 2.0  | 0.0  | 0.0  | 3.5              | 5.7  | 8.2  | 32.8        | 12.5 | 0.0  | 0.0  | 0.0  |











| STATION 11121 |   | BORDA ALBANE NEEDLE |      |      |      |      |      |      |       | ANNEE 1951/1952 |      |      |                |
|---------------|---|---------------------|------|------|------|------|------|------|-------|-----------------|------|------|----------------|
|               |   | LATE 1951, NO. 02   |      |      |      |      |      |      |       | LATE 1951       |      |      |                |
|               |   | SEPT                | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAI             | JUIN | JUIL | AOUT           |
| 1             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 1              |
| 2             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 2              |
| 3             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 3              |
| 4             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 4              |
| 5             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 5              |
| 6             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 6              |
| 7             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 7              |
| 8             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 8              |
| 9             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 9              |
| 10            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 10             |
| 11            | - | -                   | -    | -    | -    | -    | -    | -    | -     | 1.5             | -    | -    | 11             |
| 12            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 12             |
| 13            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 13             |
| 14            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 14             |
| 15            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 15             |
| 16            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 16             |
| 17            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 17             |
| 18            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 18             |
| 19            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 19             |
| 20            | - | -                   | 3    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 20             |
| 21            | - | -                   | -    | -    | -    | -    | -    | 2.4  | -     | -               | -    | -    | 21             |
| 22            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 22             |
| 23            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 23             |
| 24            | - | -                   | -    | -    | -    | -    | 6.0  | -    | -     | -               | -    | -    | 24             |
| 25            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 25             |
| 26            | - | -                   | -    | -    | -    | -    | -    | -    | 3.2   | -               | -    | -    | 26             |
| 27            | - | -                   | -    | -    | -    | -    | -    | -    | 1.6   | -               | -    | -    | 27             |
| 28            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 28             |
| 29            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 29             |
| 30            | - | -                   | -    | -    | -    | -    | -    | 3.7  | -     | -               | -    | -    | 30             |
| 31            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 31             |
| TOT           | - | 0.0                 | 0.3  | 3.3  | 0.0  | 0.0  | 6.2  | 5.4  | 11.8  | 1.5             | 0.0  | 0.0  | 0.0            |
| OBSERVATIONS  |   |                     |      |      |      |      |      |      |       |                 |      |      | TOTAL ANNUELLE |
|               |   |                     |      |      |      |      |      |      |       |                 |      |      | 25.2           |
| CTD           | - | 112                 | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112             | 112  | 112  | 112            |
| H J           | - | 1                   | 1    | 1    | 1    | 1    | 1    | 1    | 1     | 1               | 1    | 1    | 1              |

| STATION 11121 |   | BORDA ALBANE NEEDLE |      |      |      |      |      |      |       | ANNEE 1951/1952 |      |      |      |
|---------------|---|---------------------|------|------|------|------|------|------|-------|-----------------|------|------|------|
|               |   | LATE 1951, NO. 02   |      |      |      |      |      |      |       | LATE 1951       |      |      |      |
|               |   | SEPT                | OCTO | NOVE | DECE | JANV | FEBV | MARS | AVRIL | MAI             | JUIN | JUIL | AOUT |
| 1             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 1    |
| 2             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 2    |
| 3             | - | -                   | -    | -    | -    | -    | -    | -    | 5.0   | -               | -    | -    | 3    |
| 4             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 4    |
| 5             | - | -                   | -    | -    | -    | -    | -    | 1.0  | -     | -               | -    | -    | 5    |
| 6             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 6    |
| 7             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 7    |
| 8             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 8    |
| 9             | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 9    |
| 10            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 10   |
| 11            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 11   |
| 12            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 12   |
| 13            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 13   |
| 14            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 14   |
| 15            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 15   |
| 16            | - | -                   | -    | -    | -    | -    | -    | -    | 1.5   | -               | -    | -    | 16   |
| 17            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 17   |
| 18            | - | -                   | -    | -    | -    | -    | 1.1  | -    | -     | -               | -    | -    | 18   |
| 19            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 19   |
| 20            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 20   |
| 21            | - | -                   | -    | -    | -    | -    | 11.5 | 12.5 | -     | -               | -    | -    | 21   |
| 22            | - | -                   | -    | -    | 1.5  | -    | -    | -    | -     | -               | -    | -    | 22   |
| 23            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 23   |
| 24            | - | -                   | -    | -    | -    | -    | 4.0  | -    | -     | -               | -    | -    | 24   |
| 25            | - | -                   | 6    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 25   |
| 26            | - | -                   | 3    | -    | -    | -    | -    | -    | 1.5   | -               | -    | -    | 26   |
| 27            | - | -                   | 4    | -    | -    | -    | -    | -    | 2.5   | -               | -    | -    | 27   |
| 28            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 28   |
| 29            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 29   |
| 30            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 30   |
| 31            | - | -                   | -    | -    | -    | -    | -    | -    | -     | -               | -    | -    | 31   |
| TOT           | - | 0.0                 | 3.2  | 4.3  | 1.5  | 1.4  | 17.6 | 13.5 | 21.0  | 9.0             | 0.0  | 0.0  | 1.0  |











STATION 90025

DJERBA EL KAY SM

ANNEX 1951/1952

| DATA 5/GR. 50 |      |      |      |      |      |      |      |      |      |      |      | ALT* 20 M     |      |
|---------------|------|------|------|------|------|------|------|------|------|------|------|---------------|------|
| SEPT          | OCTO | NOVI | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |               |      |
| 1             |      |      |      |      |      |      |      |      |      |      |      |               | 1    |
| 2             |      |      |      |      |      |      |      |      |      |      |      |               | 2    |
| 3             |      |      |      |      |      |      |      |      |      |      |      |               | 3    |
| 4             |      |      |      |      |      |      |      |      |      |      |      |               | 4    |
| 5             |      |      |      |      |      |      |      |      |      |      |      |               | 5    |
| 6             |      |      |      |      |      |      |      |      |      |      |      |               | 6    |
| 7             |      |      |      |      |      | 1.0  |      |      |      |      |      |               | 7    |
| 8             |      |      |      |      |      |      |      |      |      |      |      |               | 8    |
| 9             |      |      |      |      |      |      |      |      |      |      |      |               | 9    |
| 10            |      |      |      |      |      |      |      |      |      |      |      |               | 10   |
| 11            |      |      |      |      |      |      |      |      |      |      |      |               | 11   |
| 12            |      |      |      |      |      |      |      |      |      |      |      |               | 12   |
| 13            |      |      |      |      |      |      |      |      |      |      |      |               | 13   |
| 14            |      |      |      |      |      |      |      |      |      |      |      |               | 14   |
| 15            |      |      |      |      |      |      |      |      |      |      |      |               | 15   |
| 16            |      |      |      |      |      |      |      |      |      |      |      |               | 16   |
| 17            |      |      |      |      |      |      |      |      |      |      |      |               | 17   |
| 18            |      |      |      |      |      |      |      |      |      |      |      |               | 18   |
| 19            |      |      |      |      |      |      |      |      |      |      |      |               | 19   |
| 20            |      |      |      |      |      |      |      |      |      |      |      |               | 20   |
| 21            |      |      |      |      |      |      | 4.0  |      |      |      |      |               | 21   |
| 22            |      |      | 14.0 |      |      |      |      |      |      |      |      |               | 22   |
| 23            |      |      |      |      |      | 12.5 | 2.0  |      |      |      |      |               | 23   |
| 24            |      |      |      |      |      | 1.4  | 1.0  |      |      |      |      |               | 24   |
| 25            |      | 14.0 |      |      |      |      |      |      |      |      |      |               | 25   |
| 26            |      |      |      |      |      | 1.5  |      | 3.5  |      |      |      |               | 26   |
| 27            |      |      | 2.0  |      |      |      |      | 9.5  |      |      |      |               | 27   |
| 28            |      |      |      |      |      |      |      |      |      |      |      |               | 28   |
| 29            |      |      |      |      |      |      |      |      |      |      |      |               | 29   |
| 30            |      |      |      |      |      |      |      | 6.5  |      |      |      |               | 30   |
| 31            |      |      |      |      |      |      |      | 2.5  |      |      |      |               | 31   |
| TOT           | 0.0  | 11.5 | 1.2  | 14.0 | 10.0 | 15.5 | 16.5 | 15.0 | 7.0  | 0.0  | 0.0  | 0.0           | 71.1 |
| OBSERVATION=  |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUEL= |      |
| GRH = 112     | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |               |      |
| N J           | 0    | 2    | 2    | 1    | 4    | 5    | 5    | 3    | 0    | 0    | 0    | 0             | 11   |

STATION 90025

DJERBA EL KAY SM

ANNEX 1951/1952

| DATA 5/GR. 50               |      |      |      |      |      |      |      |      |      |      |      | ALT* 50 M     |      |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|---------------|------|
| SEPT                        | OCTO | NOVI | DECE | JANV | FEBV | MARS | AVRI | MAI  | JUIN | JUIL | AOUT |               |      |
| 1                           |      |      |      |      |      |      |      |      |      |      |      |               | 1    |
| 2                           |      |      |      |      |      |      |      |      |      |      |      |               | 2    |
| 3                           |      |      |      |      |      |      |      |      |      |      |      |               | 3    |
| 4                           |      |      |      |      |      |      |      |      |      |      |      |               | 4    |
| 5                           |      |      |      |      |      |      |      |      |      |      |      |               | 5    |
| 6                           |      |      |      |      |      |      |      |      |      |      |      |               | 6    |
| 7                           |      |      |      |      |      |      |      |      |      |      |      |               | 7    |
| 8                           |      |      |      |      |      |      |      |      |      |      |      |               | 8    |
| 9                           |      |      |      |      |      |      |      |      |      |      |      |               | 9    |
| 10                          |      |      |      |      |      |      |      |      |      |      |      |               | 10   |
| 11                          |      |      |      |      |      |      |      |      |      |      |      |               | 11   |
| 12                          |      |      |      |      |      |      |      |      |      |      |      |               | 12   |
| 13                          |      |      |      |      |      |      |      | 1.5  |      |      |      |               | 13   |
| 14                          |      |      |      |      |      |      |      |      |      |      |      |               | 14   |
| 15                          |      |      |      |      |      |      |      | 1.0  |      |      |      |               | 15   |
| 16                          |      |      |      |      |      |      |      |      |      |      |      |               | 16   |
| 17                          |      |      |      |      |      |      |      |      |      |      |      |               | 17   |
| 18                          |      |      |      |      |      |      |      |      |      |      |      |               | 18   |
| 19                          |      |      |      |      |      |      |      |      |      |      |      |               | 19   |
| 20                          |      |      |      |      |      |      |      |      |      |      |      |               | 20   |
| 21                          |      |      |      |      |      |      | 2.5  |      |      |      |      |               | 21   |
| 22                          |      |      |      | 16.0 | 5.7  |      | 1.0  |      |      |      |      |               | 22   |
| 23                          |      |      |      |      | 13.3 |      |      |      |      |      |      |               | 23   |
| 24                          |      |      |      |      | 1.4  |      |      |      |      |      |      |               | 24   |
| 25                          |      | 10.1 |      |      |      |      |      |      |      |      |      |               | 25   |
| 26                          |      | 1.0  | 1.2  |      |      | 2.5  |      |      |      |      |      |               | 26   |
| 27                          |      |      |      |      | 1.0  |      | 13.9 |      |      |      |      |               | 27   |
| 28                          |      |      |      |      |      |      |      |      |      |      |      |               | 28   |
| 29                          |      |      |      |      | 1.2  |      |      |      |      |      |      |               | 29   |
| 30                          |      |      |      |      |      |      |      |      |      |      |      |               | 30   |
| 31                          |      |      |      |      |      |      |      | 8.5  |      |      |      |               | 31   |
| TOT                         | 0.0  | 13.2 | 2.5  | 16.0 | 8.5  | 15.8 | 11.7 | 14.0 | 1.5  | 0.0  | 0.0  | 0.0           | 73.1 |
| OBSERVATION= TAKEN FEL MARY |      |      |      |      |      |      |      |      |      |      |      | TOTAL ANNUEL= |      |
| GRH = 112                   | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  |               |      |
| N J                         | 0    | 2    | 2    | 1    | 4    | 5    | 5    | 3    | 0    | 0    | 0    | 0             | 11   |







504 91:39 22 599

● 計量経済学 ●

4444 : 128371542

461-3760, 10 60

4046 768-43 00

4417 22 0

[illegible]

STATJAN 02524

EL MOLLA 59

ANNE: 1281/1282

LA 7- 35GR-16 47

LC#C- ACB- 51 47

ATTN: 520 7

[illegible]



STATION 92532

EL HAMMA PV

ANNEE 1981/1982

305

LAT= 37GR.50 SH

LONG=

SGR.31 00

ALT= 53 M

|                              | SEPT | OCTO | NOVE | DECE | JANV | FEVR | MARS | AVRIL | MAI | JUIN | JULI | AOUT |                    |
|------------------------------|------|------|------|------|------|------|------|-------|-----|------|------|------|--------------------|
| 1                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 1                  |
| 2                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 2                  |
| 3                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 3                  |
| 4                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 4                  |
| 5                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 5                  |
| 6                            | .    | .    | .    | .    | .    | .    | .    | 1.5   | .   | .    | .    | .    | 6                  |
| 7                            | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 7                  |
| 8                            | .    | .    | .    | .    | .    | 2.0  | .    | .     | .   | .    | .    | .    | 8                  |
| 9                            | .    | .    | .    | .    | .    | .    | .    | .     | 2.5 | .    | .    | .    | 9                  |
| 10                           | .    | .    | .    | .    | .    | .    | .    | .     | 2.0 | .    | .    | .    | 10                 |
| 11                           | .    | .    | .    | .    | .    | 1.5  | .    | .     | .   | .    | .    | .    | 11                 |
| 12                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 12                 |
| 13                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 13                 |
| 14                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 14                 |
| 15                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 15                 |
| 16                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 16                 |
| 17                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 17                 |
| 18                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 18                 |
| 19                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 19                 |
| 20                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 20                 |
| 21                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 21                 |
| 22                           | .    | .    | .    | .    | .    | .    | 2.4  | .     | .   | .    | .    | .    | 22                 |
| 23                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 23                 |
| 24                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 24                 |
| 25                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 25                 |
| 26                           | .    | .    | .    | .    | 1.3  | .    | .    | 4.5   | .   | .    | .    | .    | 26                 |
| 27                           | .    | .    | .    | .    | .    | .    | .    | 8.5   | .   | .    | .    | .    | 27                 |
| 28                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 28                 |
| 29                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 29                 |
| 30                           | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 30                 |
| 31                           | .    | .    | .    | .    | .    | .    | 10.0 | .     | .   | .    | .    | .    | 31                 |
| TOT                          | 0.0  | 0.0  | 0.0  | 3.0  | 1.3  | 21.3 | 12.4 | 16.5  | 2.5 | 3.0  | 0.0  | 0.0  |                    |
| OBSERVATIONS NONAMEE D SALAH |      |      |      |      |      |      |      |       |     |      |      |      | TOTAL ANNUEL= 97.2 |
| CMN = 112                    | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112  |                    |
| N =                          | 0    | 0    | 0    | 1    | 1    | 2    | 2    | 2     | 2   | 0    | 0    | 0    | 11                 |

STATION 92548

EL HAMMA TELEMERIQUE

ANNEE 1981/1982

LAT= 37GR.03 30

LONG=

SGR.25 07

ALT= 56 M

|                   | SEPT | OCTO | NOVE | DECE | JANV | FEVR | MARS | AVRIL | MAI | JUIN | JULI | AOUT |                     |
|-------------------|------|------|------|------|------|------|------|-------|-----|------|------|------|---------------------|
| 1                 | .    | .    | .    | .    | .    | .    | .    | 0.6   | .   | .    | .    | .    | 1                   |
| 2                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 2                   |
| 3                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 3                   |
| 4                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 4                   |
| 5                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 5                   |
| 6                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 6                   |
| 7                 | .    | .    | .    | .    | .    | .    | .    | 1.8   | .   | .    | .    | .    | 7                   |
| 8                 | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 8                   |
| 9                 | .    | .    | .    | .    | .    | .    | .    | .     | 1.7 | .    | .    | .    | 9                   |
| 10                | .    | .    | .    | .    | .    | .    | .    | .     | 1.1 | .    | .    | .    | 10                  |
| 11                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 11                  |
| 12                | .    | .    | .    | .    | .    | .    | .    | .     | 2.9 | .    | .    | .    | 12                  |
| 13                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 13                  |
| 14                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 14                  |
| 15                | .    | .    | .    | .    | .    | .    | .    | 0.6   | .   | .    | .    | .    | 15                  |
| 16                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 16                  |
| 17                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 17                  |
| 18                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 18                  |
| 19                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 19                  |
| 20                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 20                  |
| 21                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 21                  |
| 22                | .    | .    | .    | .    | .    | .    | 2.7  | .     | .   | .    | .    | .    | 22                  |
| 23                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 23                  |
| 24                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 24                  |
| 25                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 25                  |
| 26                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 26                  |
| 27                | .    | .    | .    | .    | .    | .    | .    | 5.3   | .   | .    | .    | .    | 27                  |
| 28                | .    | .    | .    | .    | .    | .    | .    | 9.2   | .   | .    | .    | .    | 28                  |
| 29                | .    | .    | .    | .    | .    | .    | .    | 1.7   | .   | .    | .    | .    | 29                  |
| 30                | .    | .    | .    | .    | .    | .    | .    | .     | .   | .    | .    | .    | 30                  |
| 31                | .    | .    | .    | .    | .    | .    | 7.0  | .     | .   | .    | .    | .    | 31                  |
| TOT               |      |      |      |      |      |      | 9.2  | 15.2  | 3.7 | 0.0  | 0.0  | 0.0  |                     |
| OBSERVATIONS S410 |      |      |      |      |      |      |      |       |     |      |      |      | TOTAL ANNUEL= 112.2 |
| CMN = 112         | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112   | 112 | 112  | 112  | 112  |                     |
| N =               | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 1     | 1   | 1    | 1    | 1    | 11                  |























STATION 15224

WATER

KIND: 15224-152

271

LAT: 36° 01' 00"

LONG:

106° 52' 00"

ALTA: 152.8

|     | SEPT | OCTO | NOV | DECE | JANV | FEBR | MARS | AVRIL | MAI | JUIN | JUIL | AOUT |    |
|-----|------|------|-----|------|------|------|------|-------|-----|------|------|------|----|
| 1   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 1  |
| 2   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 2  |
| 3   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 3  |
| 4   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 4  |
| 5   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 5  |
| 6   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 6  |
| 7   | -    | -    | -   | -    | -    | -    | -    | 2.2   | -   | -    | -    | -    | 7  |
| 8   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 8  |
| 9   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 9  |
| 10  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 10 |
| 11  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 11 |
| 12  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 12 |
| 13  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 13 |
| 14  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 14 |
| 15  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 15 |
| 16  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 16 |
| 17  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 17 |
| 18  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 18 |
| 19  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 19 |
| 20  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 20 |
| 21  | -    | -    | -   | -    | 4.0  | -    | -    | -     | -   | -    | -    | -    | 21 |
| 22  | -    | -    | -   | -    | -    | -    | 25.0 | -     | -   | -    | -    | -    | 22 |
| 23  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 23 |
| 24  | -    | -    | -   | -    | -    | 11.0 | -    | -     | -   | -    | -    | -    | 24 |
| 25  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 25 |
| 26  | -    | -    | -   | -    | 28.0 | -    | -    | -     | -   | -    | -    | -    | 26 |
| 27  | -    | -    | -   | -    | -    | -    | 5.2  | -     | -   | -    | -    | -    | 27 |
| 28  | -    | -    | -   | -    | -    | -    | 16.0 | -     | -   | -    | -    | -    | 28 |
| 29  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 29 |
| 30  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 30 |
| 31  | -    | -    | -   | -    | -    | -    | 5.6  | -     | -   | -    | -    | -    | 31 |
| TOT | 3.0  | 0.0  | 0.0 | 0.0  | 32.0 | 16.0 | 50.8 | 21.4  | 3.0 | 0.0  | 0.0  | 0.0  |    |

OBSERVATIONS: MESSAGE

TOTAL ANNUAL: 25.0

CON: 112 112 112 112 112 112 112 112 112 112 112 112 112

H: 1 1 1 1 1 1 1 1 1 1 1 1 1

STATION 90100

WATER

KIND: 15224-152

LAT: 36° 01' 00"

LONG:

106° 52' 00"

ALTA: 152.8

|     | SEPT | OCTO | NOV | DECE | JANV | FEBR | MARS | AVRIL | MAI | JUIN | JUIL | AOUT |    |
|-----|------|------|-----|------|------|------|------|-------|-----|------|------|------|----|
| 1   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 1  |
| 2   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 2  |
| 3   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 3  |
| 4   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 4  |
| 5   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 5  |
| 6   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 6  |
| 7   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 7  |
| 8   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 8  |
| 9   | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 9  |
| 10  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 10 |
| 11  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 11 |
| 12  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 12 |
| 13  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 13 |
| 14  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 14 |
| 15  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 15 |
| 16  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 16 |
| 17  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 17 |
| 18  | -    | -    | -   | -    | -    | -    | -    | 2.0   | -   | -    | -    | -    | 18 |
| 19  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 19 |
| 20  | -    | -    | -   | -    | 12.0 | -    | -    | -     | -   | -    | -    | -    | 20 |
| 21  | -    | -    | -   | -    | -    | -    | 6.0  | -     | -   | -    | -    | -    | 21 |
| 22  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 22 |
| 23  | -    | -    | -   | 4.2  | -    | -    | -    | -     | -   | -    | -    | -    | 23 |
| 24  | -    | -    | -   | -    | -    | 14.0 | -    | -     | -   | -    | -    | -    | 24 |
| 25  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 25 |
| 26  | -    | 27.0 | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 26 |
| 27  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 27 |
| 28  | -    | -    | -   | -    | -    | -    | -    | 21.0  | -   | -    | -    | -    | 28 |
| 29  | -    | -    | -   | -    | -    | -    | -    | 1.5   | -   | -    | -    | -    | 29 |
| 30  | -    | -    | -   | -    | -    | -    | -    | -     | -   | -    | -    | -    | 30 |
| 31  | -    | -    | -   | -    | -    | -    | 13.0 | -     | -   | -    | -    | -    | 31 |
| TOT | 3.0  | 27.0 | 0.0 | 4.2  | 12.0 | 14.0 | 15.0 | 23.5  | 0.0 | 0.0  | 0.0  | 0.0  |    |



| STATION 9410 |      | LATITUDE          |      | LONGITUDE     |      | ANNEX 1981/1982 |      |      |     |     |               |       |
|--------------|------|-------------------|------|---------------|------|-----------------|------|------|-----|-----|---------------|-------|
|              |      | LAT. 37GR. 27. 00 |      | LONG. 125. 00 |      | ALT. 125 M      |      |      |     |     |               |       |
| SEPT         | OCTO | NOVE              | DECE | JANU          | FEBR | MARS            | APRI | MAY  | JUN | JUL | AUG           |       |
| 1            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 2            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 3            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 4            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 5            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 6            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 7            |      |                   |      |               |      |                 | 5.0  |      |     |     |               |       |
| 8            |      |                   |      |               |      |                 | 12.5 |      |     |     |               |       |
| 9            |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 10           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 11           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 12           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 13           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 14           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 15           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 16           |      |                   |      |               |      |                 | 1.0  |      |     |     |               |       |
| 17           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 18           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 19           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 20           |      |                   |      |               | 8.0  |                 |      |      |     |     |               |       |
| 21           |      |                   |      |               |      | 20.0            |      |      |     |     |               |       |
| 22           |      |                   | 2.0  |               |      |                 |      |      |     |     |               |       |
| 23           |      |                   |      | 5.0           | 4.0  |                 |      |      |     |     |               |       |
| 24           | 14.0 |                   |      | 5.0           | 12.0 |                 |      |      |     |     |               |       |
| 25           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 26           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 27           |      |                   |      |               |      |                 | 5.0  |      |     |     |               |       |
| 28           |      |                   |      |               |      |                 | 10.5 |      |     |     |               |       |
| 29           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 30           |      |                   |      |               |      |                 |      |      |     |     |               |       |
| 31           |      |                   |      |               |      |                 | 14.0 |      |     |     |               |       |
| TOT          | 0.0  | 14.0              | 0.0  | 2.0           | 16.0 | 15.0            | 26.0 | 45.5 | 0.0 | 0.0 | 0.0           |       |
| OBSERVATIONS |      |                   |      |               |      |                 |      |      |     |     | TOTAL ANNUAL* | 125.0 |
| 001          | 112  | 112               | 112  | 112           | 112  | 112             | 112  | 112  | 112 | 112 | 112           |       |
| 002          | 0    | 1                 | 0    | 1             | 0    | 0               | 0    | 0    | 0   | 0   | 0             |       |

| STATION 94102 |      | EQUINOX 1 3M      |      |      |               |      |      | ANNEX 1981/1982 |     |     |               |       |
|---------------|------|-------------------|------|------|---------------|------|------|-----------------|-----|-----|---------------|-------|
|               |      | LAT= 37GR. 24. 00 |      |      | LONG= 125. 00 |      |      | ALT= 125 M      |     |     |               |       |
| SEPT          | OCTO | NOVE              | DECE | JANV | FEBR          | MARS | APRI | MAY             | JUN | JUL | AUG           |       |
| 1             |      | 1.3               |      |      |               |      |      |                 |     |     |               |       |
| 2             | 1.6  |                   |      |      |               |      | 2.7  |                 |     |     |               |       |
| 3             |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 4             |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 5             |      |                   |      |      |               | 1.5  |      |                 |     |     |               |       |
| 6             |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 7             |      |                   |      |      |               | 1.6  | 1.5  |                 |     |     |               |       |
| 8             |      |                   |      |      |               |      | 1.2  |                 |     |     |               |       |
| 9             |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 10            |      |                   |      |      |               |      |      | 1.3             |     |     | 1.0           |       |
| 11            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 12            |      |                   |      |      |               |      |      | 1.5             |     |     |               |       |
| 13            |      |                   |      |      |               |      |      | 1.2             |     |     |               |       |
| 14            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 15            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 16            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 17            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 18            |      |                   |      |      |               |      |      |                 |     |     |               |       |
| 19            |      |                   |      | 1.6  |               |      |      | 1.4             |     |     |               |       |
| 20            |      |                   |      | 9.3  |               |      |      |                 |     |     |               |       |
| 21            |      |                   |      |      |               | 19.4 |      |                 |     |     |               |       |
| 22            |      |                   | 3    |      |               |      |      |                 |     |     |               |       |
| 23            |      |                   |      | 8.0  | 6.4           |      |      |                 |     |     |               |       |
| 24            |      | 2                 |      |      |               |      |      |                 |     |     |               |       |
| 25            | 1.1  |                   |      |      |               | 1.0  |      |                 |     |     |               |       |
| 26            |      | 3                 |      | 24.0 | 1.1           |      | 5.6  |                 |     |     |               |       |
| 27            |      |                   |      |      |               |      | 11.9 |                 |     |     |               |       |
| 28            |      |                   |      |      |               |      | 1.7  |                 |     |     |               |       |
| 29            |      |                   |      | 1.3  |               |      | 1.2  |                 |     |     |               |       |
| 30            |      |                   |      |      |               | 2.8  |      |                 |     |     |               |       |
| 31            |      |                   |      |      |               | 1.7  |      |                 |     |     |               |       |
| TOT           | 1.9  | 7.2               | 1.3  | 35.1 | 6.5           | 25.0 | 25.9 | 1.9             | 0.0 | 0.0 | 0.0           |       |
| OBSERVATIONS  |      |                   |      |      |               |      |      |                 |     |     | TOTAL ANNUAL* | 111.0 |



STATION 94441

NITROGEN

ANNE 1981/1982

|     | LAT 37° 47' 30" |     |     |     | LONG 122° 53' 50" |     |      |      | DATE 1981/1982 |     |     |     | N ADIT |
|-----|-----------------|-----|-----|-----|-------------------|-----|------|------|----------------|-----|-----|-----|--------|
|     | SEPT            | OCT | NOV | DEC | JAN               | FEB | MAR  | APR  | MAY            | JUN | JUL | AUG |        |
| 1   |                 |     |     |     |                   |     |      | 2    |                |     |     |     | 1      |
| 2   |                 |     |     |     |                   |     |      |      |                |     |     |     | 2      |
| 3   | 4.0             |     |     |     |                   |     |      |      |                |     |     |     | 3      |
| 4   |                 |     |     |     |                   |     |      |      |                |     |     |     | 4      |
| 5   |                 |     |     |     |                   |     |      |      |                |     |     |     | 5      |
| 6   |                 |     |     |     |                   |     |      |      |                |     |     |     | 6      |
| 7   |                 |     |     |     |                   |     |      | 2.5  |                |     |     |     | 7      |
| 8   |                 |     |     |     |                   |     |      |      |                |     |     |     | 8      |
| 9   |                 |     |     |     |                   |     |      |      |                |     |     |     | 9      |
| 10  |                 |     |     |     |                   |     |      |      | 2.7            |     |     |     | 10     |
| 11  |                 |     |     |     |                   |     |      |      |                |     |     |     | 11     |
| 12  |                 |     |     |     |                   |     |      |      |                |     |     |     | 12     |
| 13  |                 |     |     |     |                   |     |      |      |                |     |     |     | 13     |
| 14  |                 |     |     |     |                   |     |      |      |                |     |     |     | 14     |
| 15  |                 |     |     |     |                   |     |      |      |                |     |     |     | 15     |
| 16  |                 |     |     |     |                   |     |      |      |                |     |     |     | 16     |
| 17  |                 |     |     |     |                   |     |      |      |                |     |     |     | 17     |
| 18  |                 |     |     |     |                   |     |      |      |                |     |     |     | 18     |
| 19  |                 |     |     |     |                   |     |      | 1.3  |                |     |     |     | 19     |
| 20  |                 |     |     |     | 1.7               |     |      |      |                |     |     |     | 20     |
| 21  |                 |     |     |     |                   |     | 4.0  |      |                |     |     |     | 21     |
| 22  |                 |     |     |     |                   |     |      |      |                |     |     |     | 22     |
| 23  |                 |     |     | 5.3 |                   | 5.8 |      |      |                |     |     |     | 23     |
| 24  |                 |     |     |     |                   |     |      |      |                |     |     |     | 24     |
| 25  |                 | 6.5 |     |     |                   |     |      |      |                |     |     |     | 25     |
| 26  |                 |     |     |     | 5.5               |     | .6   | 7.3  |                |     |     |     | 26     |
| 27  |                 |     |     |     |                   |     |      | 7.5  |                |     |     |     | 27     |
| 28  |                 |     |     |     |                   |     |      | 1.3  |                |     |     |     | 28     |
| 29  |                 |     |     |     | 1.2               |     |      |      |                |     |     |     | 29     |
| 30  |                 |     |     |     |                   |     |      |      |                |     |     |     | 30     |
| 31  |                 |     |     |     |                   |     | 11.7 |      |                |     |     |     | 31     |
| TOT | 4.0             | 4.5 | 0.7 | 5.3 | 7.4               | 5.6 | 15.6 | 19.5 | 2.7            | 3.0 | 0.3 | 7.0 |        |

OBSERVATIONS

TOTAL SAMPLES

|            |     |     |     |     |     |     |     |     |     |     |     |     |  |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| DATA = 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |  |
| NO. 1      | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |  |

STATION 94442

NITRO

ANNE 1981/1982

|     | LAT 37° 47' 30" |     |     |     | LONG 122° 53' 50" |     |     |      | DATE 1981/1982 |     |     |     | N ADIT |
|-----|-----------------|-----|-----|-----|-------------------|-----|-----|------|----------------|-----|-----|-----|--------|
|     | SEPT            | OCT | NOV | DEC | JAN               | FEB | MAR | APR  | MAY            | JUN | JUL | AUG |        |
| 1   |                 |     |     |     |                   |     |     |      |                |     |     |     | 1      |
| 2   |                 |     |     |     |                   |     |     |      |                |     |     |     | 2      |
| 3   |                 |     |     |     |                   |     |     |      |                |     |     |     | 3      |
| 4   |                 |     |     |     |                   |     |     |      |                |     |     |     | 4      |
| 5   |                 |     |     |     |                   |     |     |      |                |     |     |     | 5      |
| 6   |                 |     |     |     |                   |     |     |      |                |     |     |     | 6      |
| 7   |                 |     |     |     |                   |     |     | 16.3 |                |     |     |     | 7      |
| 8   |                 |     |     |     |                   |     |     |      |                |     |     |     | 8      |
| 9   |                 |     |     |     |                   |     |     |      |                |     |     |     | 9      |
| 10  |                 |     |     |     |                   |     |     |      | 7.7            |     |     |     | 10     |
| 11  |                 |     |     |     |                   |     |     |      |                |     |     |     | 11     |
| 12  |                 |     |     |     |                   |     |     |      |                |     |     |     | 12     |
| 13  |                 |     |     |     |                   |     |     |      |                |     |     |     | 13     |
| 14  |                 |     |     |     |                   |     |     |      |                |     |     |     | 14     |
| 15  |                 |     |     |     |                   |     |     |      |                |     |     |     | 15     |
| 16  |                 |     |     |     |                   |     |     |      |                |     |     |     | 16     |
| 17  |                 |     |     |     |                   | 5.5 |     |      |                |     |     |     | 17     |
| 18  |                 |     |     |     |                   |     |     |      |                |     |     |     | 18     |
| 19  |                 |     |     |     |                   |     |     |      |                |     |     |     | 19     |
| 20  |                 |     |     |     | 1.0               |     |     |      | 2.9            |     |     |     | 20     |
| 21  |                 |     |     |     |                   |     |     |      |                |     |     |     | 21     |
| 22  |                 |     |     |     |                   |     |     |      |                |     |     |     | 22     |
| 23  |                 |     |     |     |                   |     |     |      |                |     |     |     | 23     |
| 24  |                 |     |     |     |                   |     |     | 1.4  |                |     |     |     | 24     |
| 25  |                 |     |     |     |                   |     |     |      |                |     |     |     | 25     |
| 26  |                 |     |     |     |                   |     |     |      |                |     |     |     | 26     |
| 27  |                 |     |     |     |                   |     |     |      |                |     |     |     | 27     |
| 28  |                 |     |     |     |                   |     |     | 21.0 |                |     |     |     | 28     |
| 29  |                 |     |     |     |                   |     |     |      |                |     |     |     | 29     |
| 30  |                 |     |     |     |                   |     |     |      |                |     |     |     | 30     |
| 31  |                 |     |     |     |                   |     |     |      |                |     |     |     | 31     |
| TOT | 1.4             | 0.0 | 1.7 | 1.0 | 1.0               | 6.5 | 1.3 | 17.0 | 2.9            | 0.0 | 0.0 | 0.0 |        |



| STATION 65521 |      | ALTIMETER      |      | TEMP |      | WIND  |      | HGT  |      | TIME |      | DATE |      |
|---------------|------|----------------|------|------|------|-------|------|------|------|------|------|------|------|
|               |      | LAT 35SR 10.00 |      | LONG |      | SPEED |      | ALT  |      | TIME |      | DATE |      |
| SECT          | TIME | SECT           | TIME | SECT | TIME | SECT  | TIME | SECT | TIME | SECT | TIME | SECT | TIME |
| 1             | 1    | 1              | 1    | 1    | 1    | 1     | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 2             | 2    | 2              | 2    | 2    | 2    | 2     | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| 3             | 3    | 3              | 3    | 3    | 3    | 3     | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| 4             | 4    | 4              | 4    | 4    | 4    | 4     | 4    | 4    | 4    | 4    | 4    | 4    | 4    |
| 5             | 5    | 5              | 5    | 5    | 5    | 5     | 5    | 5    | 5    | 5    | 5    | 5    | 5    |
| 6             | 6    | 6              | 6    | 6    | 6    | 6     | 6    | 6    | 6    | 6    | 6    | 6    | 6    |
| 7             | 7    | 7              | 7    | 7    | 7    | 7     | 7    | 7    | 7    | 7    | 7    | 7    | 7    |
| 8             | 8    | 8              | 8    | 8    | 8    | 8     | 8    | 8    | 8    | 8    | 8    | 8    | 8    |
| 9             | 9    | 9              | 9    | 9    | 9    | 9     | 9    | 9    | 9    | 9    | 9    | 9    | 9    |
| 10            | 10   | 10             | 10   | 10   | 10   | 10    | 10   | 10   | 10   | 10   | 10   | 10   | 10   |
| 11            | 11   | 11             | 11   | 11   | 11   | 11    | 11   | 11   | 11   | 11   | 11   | 11   | 11   |
| 12            | 12   | 12             | 12   | 12   | 12   | 12    | 12   | 12   | 12   | 12   | 12   | 12   | 12   |
| 13            | 13   | 13             | 13   | 13   | 13   | 13    | 13   | 13   | 13   | 13   | 13   | 13   | 13   |
| 14            | 14   | 14             | 14   | 14   | 14   | 14    | 14   | 14   | 14   | 14   | 14   | 14   | 14   |
| 15            | 15   | 15             | 15   | 15   | 15   | 15    | 15   | 15   | 15   | 15   | 15   | 15   | 15   |
| 16            | 16   | 16             | 16   | 16   | 16   | 16    | 16   | 16   | 16   | 16   | 16   | 16   | 16   |
| 17            | 17   | 17             | 17   | 17   | 17   | 17    | 17   | 17   | 17   | 17   | 17   | 17   | 17   |
| 18            | 18   | 18             | 18   | 18   | 18   | 18    | 18   | 18   | 18   | 18   | 18   | 18   | 18   |
| 19            | 19   | 19             | 19   | 19   | 19   | 19    | 19   | 19   | 19   | 19   | 19   | 19   | 19   |
| 20            | 20   | 20             | 20   | 20   | 20   | 20    | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| 21            | 21   | 21             | 21   | 21   | 21   | 21    | 21   | 21   | 21   | 21   | 21   | 21   | 21   |
| 22            | 22   | 22             | 22   | 22   | 22   | 22    | 22   | 22   | 22   | 22   | 22   | 22   | 22   |
| 23            | 23   | 23             | 23   | 23   | 23   | 23    | 23   | 23   | 23   | 23   | 23   | 23   | 23   |
| 24            | 24   | 24             | 24   | 24   | 24   | 24    | 24   | 24   | 24   | 24   | 24   | 24   | 24   |
| 25            | 25   | 25             | 25   | 25   | 25   | 25    | 25   | 25   | 25   | 25   | 25   | 25   | 25   |
| 26            | 26   | 26             | 26   | 26   | 26   | 26    | 26   | 26   | 26   | 26   | 26   | 26   | 26   |
| 27            | 27   | 27             | 27   | 27   | 27   | 27    | 27   | 27   | 27   | 27   | 27   | 27   | 27   |
| 28            | 28   | 28             | 28   | 28   | 28   | 28    | 28   | 28   | 28   | 28   | 28   | 28   | 28   |
| 29            | 29   | 29             | 29   | 29   | 29   | 29    | 29   | 29   | 29   | 29   | 29   | 29   | 29   |
| 30            | 30   | 30             | 30   | 30   | 30   | 30    | 30   | 30   | 30   | 30   | 30   | 30   | 30   |
| 31            | 31   | 31             | 31   | 31   | 31   | 31    | 31   | 31   | 31   | 31   | 31   | 31   | 31   |
| TOT           | 3.0  | 0.2            | 0.1  | 0.0  | 0.5  | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

## OBSERVATION METHOD

TOTAL ANNUAL 1952

| STATION 65521 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1             | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |

| STATION 65521 |      | ALTIMETER      |      | TEMP |      | WIND  |      | HGT  |      | TIME |      | DATE |      |
|---------------|------|----------------|------|------|------|-------|------|------|------|------|------|------|------|
|               |      | LAT 35SR 10.00 |      | LONG |      | SPEED |      | ALT  |      | TIME |      | DATE |      |
| SECT          | TIME | SECT           | TIME | SECT | TIME | SECT  | TIME | SECT | TIME | SECT | TIME | SECT | TIME |
| 1             | 1    | 1              | 1    | 1    | 1    | 1     | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 2             | 2    | 2              | 2    | 2    | 2    | 2     | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| 3             | 3    | 3              | 3    | 3    | 3    | 3     | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| 4             | 4    | 4              | 4    | 4    | 4    | 4     | 4    | 4    | 4    | 4    | 4    | 4    | 4    |
| 5             | 5    | 5              | 5    | 5    | 5    | 5     | 5    | 5    | 5    | 5    | 5    | 5    | 5    |
| 6             | 6    | 6              | 6    | 6    | 6    | 6     | 6    | 6    | 6    | 6    | 6    | 6    | 6    |
| 7             | 7    | 7              | 7    | 7    | 7    | 7     | 7    | 7    | 7    | 7    | 7    | 7    | 7    |
| 8             | 8    | 8              | 8    | 8    | 8    | 8     | 8    | 8    | 8    | 8    | 8    | 8    | 8    |
| 9             | 9    | 9              | 9    | 9    | 9    | 9     | 9    | 9    | 9    | 9    | 9    | 9    | 9    |
| 10            | 10   | 10             | 10   | 10   | 10   | 10    | 10   | 10   | 10   | 10   | 10   | 10   | 10   |
| 11            | 11   | 11             | 11   | 11   | 11   | 11    | 11   | 11   | 11   | 11   | 11   | 11   | 11   |
| 12            | 12   | 12             | 12   | 12   | 12   | 12    | 12   | 12   | 12   | 12   | 12   | 12   | 12   |
| 13            | 13   | 13             | 13   | 13   | 13   | 13    | 13   | 13   | 13   | 13   | 13   | 13   | 13   |
| 14            | 14   | 14             | 14   | 14   | 14   | 14    | 14   | 14   | 14   | 14   | 14   | 14   | 14   |
| 15            | 15   | 15             | 15   | 15   | 15   | 15    | 15   | 15   | 15   | 15   | 15   | 15   | 15   |
| 16            | 16   | 16             | 16   | 16   | 16   | 16    | 16   | 16   | 16   | 16   | 16   | 16   | 16   |
| 17            | 17   | 17             | 17   | 17   | 17   | 17    | 17   | 17   | 17   | 17   | 17   | 17   | 17   |
| 18            | 18   | 18             | 18   | 18   | 18   | 18    | 18   | 18   | 18   | 18   | 18   | 18   | 18   |
| 19            | 19   | 19             | 19   | 19   | 19   | 19    | 19   | 19   | 19   | 19   | 19   | 19   | 19   |
| 20            | 20   | 20             | 20   | 20   | 20   | 20    | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| 21            | 21   | 21             | 21   | 21   | 21   | 21    | 21   | 21   | 21   | 21   | 21   | 21   | 21   |
| 22            | 22   | 22             | 22   | 22   | 22   | 22    | 22   | 22   | 22   | 22   | 22   | 22   | 22   |
| 23            | 23   | 23             | 23   | 23   | 23   | 23    | 23   | 23   | 23   | 23   | 23   | 23   | 23   |
| 24            | 24   | 24             | 24   | 24   | 24   | 24    | 24   | 24   | 24   | 24   | 24   | 24   | 24   |
| 25            | 25   | 25             | 25   | 25   | 25   | 25    | 25   | 25   | 25   | 25   | 25   | 25   | 25   |
| 26            | 26   | 26             | 26   | 26   | 26   | 26    | 26   | 26   | 26   | 26   | 26   | 26   | 26   |
| 27            | 27   | 27             | 27   | 27   | 27   | 27    | 27   | 27   | 27   | 27   | 27   | 27   | 27   |
| 28            | 28   | 28             | 28   | 28   | 28   | 28    | 28   | 28   | 28   | 28   | 28   | 28   | 28   |
| 29            | 29   | 29             | 29   | 29   | 29   | 29    | 29   | 29   | 29   | 29   | 29   | 29   | 29   |
| 30            | 30   | 30             | 30   | 30   | 30   | 30    | 30   | 30   | 30   | 30   | 30   | 30   | 30   |
| 31            | 31   | 31             | 31   | 31   | 31   | 31    | 31   | 31   | 31   | 31   | 31   | 31   | 31   |
| TOT           | 3.0  | 2.5            | 12.5 | 0.0  | 0.0  | 11.1  | 6.7  | 11.0 | 2.7  | 1.0  | 0.0  | 0.1  | 0.1  |

TOTAL ANNUAL 1952

TOTAL ANNUAL 1952



[illegible]

| STATION 9746                 |      | LATITUDE 50     |      | LONGITUDE 50 |      | DATE 1983/1/22 |      | TIME 240 H |      |      |      |                      |
|------------------------------|------|-----------------|------|--------------|------|----------------|------|------------|------|------|------|----------------------|
|                              |      | REF 300R, 50 ED |      | LEADER       |      | RGP, 32 DD     |      | ALT=       |      |      |      |                      |
| SEP                          | OCTO | NOVE            | DECE | JANV         | FEBV | MARS           | AVRS | NAT        | JULN | JULI | ADIT |                      |
| 1                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 1                    |
| 2                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 2                    |
| 3                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 3                    |
| 4                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 4                    |
| 5                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 5                    |
| 6                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 6                    |
| 7                            | -    | -               | -    | -            | -    | -              | 7.8  | -          | -    | -    | -    | 7                    |
| 8                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 8                    |
| 9                            | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 9                    |
| 10                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 10                   |
| 11                           | -    | -               | -    | -            | -    | -              | -    | .5         | -    | -    | -    | 11                   |
| 12                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 12                   |
| 13                           | -    | -               | -    | -            | -    | -              | 3.6  | -          | -    | -    | -    | 13                   |
| 14                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 14                   |
| 15                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 15                   |
| 16                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 16                   |
| 17                           | -    | -               | -    | -            | 4.1  | -              | -    | -          | -    | -    | -    | 17                   |
| 18                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 18                   |
| 19                           | -    | -               | -    | -            | 7    | -              | -    | -          | -    | -    | -    | 19                   |
| 20                           | -    | -               | -    | -            | 6.2  | -              | -    | -          | -    | -    | -    | 20                   |
| 21                           | -    | -               | -    | -            | 3.0  | 14.0           | -    | -          | -    | -    | -    | 21                   |
| 22                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 22                   |
| 23                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 23                   |
| 24                           | -    | -               | -    | -            | 1.2  | -              | -    | -          | -    | -    | -    | 24                   |
| 25                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 25                   |
| 26                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 26                   |
| 27                           | -    | -               | -    | -            | 5.4  | -              | -    | -          | -    | -    | -    | 27                   |
| 28                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 28                   |
| 29                           | -    | -               | -    | -            | -    | -              | 11.5 | -          | -    | -    | -    | 29                   |
| 30                           | -    | -               | -    | -            | -    | -              | 5.3  | -          | -    | -    | -    | 30                   |
| 31                           | -    | -               | -    | -            | -    | -              | -    | -          | -    | -    | -    | 31                   |
| TOT                          | 0.0  | 0.0             | 0.0  | 0.0          | 13.1 | 7.1            | 16.0 | 22.2       | 0.5  | 0.0  | 0.0  | 0.0                  |
| OBSERVATION- ADDITIONAL DATA |      |                 |      |              |      |                |      |            |      |      |      | TOTAL AMPLITUDE 55.7 |











STATION 5726A

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|                          | DATE 1951.27.48 |      |     |      |      | LONG= 50.43.00 |      |       | ALT= 70.4 |     | P. 1.5 |     | ADULT |
|--------------------------|-----------------|------|-----|------|------|----------------|------|-------|-----------|-----|--------|-----|-------|
|                          | SEPT            | OCTO | NOV | DECE | JANU | FEBR           | MARS | AVRIL | MAI       | JUN | JUL    | AUG |       |
| 1                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 1     |
| 2                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 2     |
| 3                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 3     |
| 4                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 4     |
| 5                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 5     |
| 6                        | -               | -    | -   | -    | -    | -              | -    | 11.8  | -         | -   | -      | -   | 6     |
| 7                        | -               | -    | -   | -    | -    | -              | -    | -     | 1.0       | -   | -      | -   | 7     |
| 8                        | -               | -    | -   | -    | -    | -              | -    | -     | 4.9       | -   | -      | -   | 8     |
| 9                        | -               | -    | -   | -    | -    | -              | -    | -     | 1.6       | -   | -      | -   | 9     |
| 10                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 10    |
| 11                       | -               | -    | -   | -    | -    | -              | -    | -     | 2.7       | -   | -      | -   | 11    |
| 12                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 12    |
| 13                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 13    |
| 14                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 14    |
| 15                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 15    |
| 16                       | -               | -    | -   | -    | -    | 5.4            | -    | -     | -         | -   | -      | -   | 16    |
| 17                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 17    |
| 18                       | -               | -    | -   | -    | 1.0  | 1.0            | -    | -     | -         | -   | -      | -   | 18    |
| 19                       | -               | -    | -   | -    | -    | -              | -    | 2.2   | 1.0       | -   | -      | -   | 19    |
| 20                       | -               | -    | -   | -    | 1.0  | 1.0            | -    | -     | -         | -   | -      | -   | 20    |
| 21                       | -               | -    | -   | -    | 1.0  | -              | 1.7  | -     | -         | -   | -      | -   | 21    |
| 22                       | -               | -    | -   | 1.6  | 1.0  | -              | -    | -     | 20.4      | -   | -      | -   | 22    |
| 23                       | -               | -    | -   | -    | 1.1  | 1.1            | -    | 1.1   | -         | -   | -      | -   | 23    |
| 24                       | -               | -    | -   | -    | -    | 1.0            | -    | -     | -         | -   | -      | -   | 24    |
| 25                       | 5.8             | 1.0  | -   | -    | 1.7  | -              | 1.0  | -     | -         | -   | -      | -   | 25    |
| 26                       | -               | -    | -   | -    | -    | -              | -    | 8.7   | -         | -   | -      | -   | 26    |
| 27                       | -               | -    | -   | -    | 1.0  | -              | 1.0  | 17.3  | -         | -   | -      | -   | 27    |
| 28                       | -               | -    | -   | -    | 1.2  | 5.1            | -    | 1.1   | -         | -   | -      | -   | 28    |
| 29                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 29    |
| 30                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 30    |
| 31                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 31    |
| TOT                      | 5.8             | 1.1  | 1.0 | 1.6  | 1.9  | 13.2           | 2.7  | 38.1  | 27.6      | 1.0 | 1.0    | 1.0 | 31    |
| OBSERVATIONS: 1951.27.48 |                 |      |     |      |      |                |      |       |           |     |        |     | 19.4  |
| COF = 212                | 212             | 212  | 212 | 212  | 212  | 212            | 212  | 211   | 212       | 212 | 212    | 212 | 212   |
| N. J.                    | 3               | 0    | 0   | 1    | 1    | 2              | 1    | 6     | 4         | 0   | 0      | 0   | 21    |

STATION 5726B

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|                          | DATE 1951.27.48 |      |     |      |      | LONG= 50.43.00 |      |       | ALT= 70.4 |     | P. 1.5 |     | ADULT |
|--------------------------|-----------------|------|-----|------|------|----------------|------|-------|-----------|-----|--------|-----|-------|
|                          | SEPT            | OCTO | NOV | DECE | JANU | FEBR           | MARS | AVRIL | MAI       | JUN | JUL    | AUG |       |
| 1                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 1     |
| 2                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 2     |
| 3                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 3     |
| 4                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 4     |
| 5                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 5     |
| 6                        | -               | -    | -   | -    | -    | -              | -    | 1.5   | -         | -   | -      | -   | 6     |
| 7                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 7     |
| 8                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 8     |
| 9                        | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 9     |
| 10                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 10    |
| 11                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 11    |
| 12                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 12    |
| 13                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 13    |
| 14                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 14    |
| 15                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 15    |
| 16                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 16    |
| 17                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 17    |
| 18                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 18    |
| 19                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 19    |
| 20                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 20    |
| 21                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 21    |
| 22                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 22    |
| 23                       | -               | -    | -   | -    | 1.3  | -              | -    | 4.7   | -         | -   | -      | -   | 23    |
| 24                       | -               | -    | -   | -    | 4.7  | 2.7            | -    | -     | -         | -   | -      | -   | 24    |
| 25                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 25    |
| 26                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 26    |
| 27                       | -               | -    | -   | -    | -    | -              | -    | 13.5  | -         | -   | -      | -   | 27    |
| 28                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 28    |
| 29                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 29    |
| 30                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 30    |
| 31                       | -               | -    | -   | -    | -    | -              | -    | -     | -         | -   | -      | -   | 31    |
| TOT                      | 1.3             | 1.0  | 1.0 | 1.3  | 1.3  | 2.7            | -    | 26.0  | 0.0       | 1.0 | 1.0    | 1.0 | 31    |
| OBSERVATIONS: 1951.27.48 |                 |      |     |      |      |                |      |       |           |     |        |     | 19.4  |
| COF = 212                | 212             | 212  | 212 | 212  | 212  | 212            | 212  | 211   | 212       | 212 | 212    | 212 | 212   |
| N. J.                    | 3               | 0    | 0   | 1    | 1    | 2              | 1    | 6     | 4         | 0   | 0      | 0   | 21    |







2491: 1751:1627

|      | SFPT | CCTD | NBVS | DCE | JANV | FEBV | MAY5 | AZRI | NBI | JULY | OCT | TOTL |
|------|------|------|------|-----|------|------|------|------|-----|------|-----|------|
| 1    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 1    |
| 2    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 2    |
| 3    | 2.0  | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 3    |
| 4    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 4    |
| 5    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 5    |
| 6    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 6    |
| 7    | .    | .    | .    | .   | .    | .    | .    | 3.0  | .   | .    | .   | 7    |
| 8    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 8    |
| 9    | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 9    |
| 10   | .    | .    | .    | .   | .    | .    | .    | .    | .   | 1.0  | .   | 10   |
| 11   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 11   |
| 12   | .    | .    | .    | .   | .    | .    | .    | .    | 1.0 | .    | .   | 12   |
| 13   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 13   |
| 14   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 14   |
| 15   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 15   |
| 16   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 16   |
| 17   | .    | .    | .    | .   | .    | .    | .    | 10.0 | .   | .    | .   | 17   |
| 18   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 18   |
| 19   | .    | .    | .    | .   | .    | .    | .    | .    | 1.0 | .    | .   | 19   |
| 20   | .    | .    | .    | .   | 7.0  | .    | .    | .    | .   | .    | .   | 20   |
| 21   | .    | .    | .    | .   | .    | .    | 3.0  | .    | .   | .    | .   | 21   |
| 22   | .    | .    | .    | .   | .    | 1.0  | .    | .    | .   | .    | .   | 22   |
| 23   | .    | .    | .    | 2.0 | 2.0  | .    | 4.0  | .    | .   | .    | .   | 23   |
| 24   | .    | .    | .    | .   | .    | 10.0 | .    | .    | .   | 1.0  | .   | 24   |
| 25   | .    | .    | .    | .   | .    | .    | 1.0  | .    | .   | .    | .   | 25   |
| 26   | .    | 4.0  | .    | .   | 4.0  | 1.0  | .    | .    | .   | .    | .   | 26   |
| 27   | .    | .    | .    | .   | .    | .    | .    | 10.0 | .   | .    | .   | 27   |
| 28   | .    | .    | .    | .   | 1.0  | .    | .    | .    | .   | .    | .   | 28   |
| 29   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 29   |
| 30   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 30   |
| 31   | .    | .    | .    | .   | .    | .    | .    | .    | .   | .    | .   | 31   |
| TOTL | 2.0  | 4.0  | 1.0  | 3.0 | 10.0 | 12.0 | 8.0  | 20.0 | 2.0 | 1.0  | 4.0 | 74.0 |