

Ведомство Инст. Геофизики АН. Груз. ССР  
Обсерватория Душети (Гуджиски) Широта 42°05' Долгота 44°42'  
Месяц Январь Год 1980

Среднемесячн. Ф = 4°59'4

Элемент Склонение

Ф = 4°43'0 + \_\_\_\_\_ = \_\_\_\_\_

| Время<br>мировое           |    |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. |      |
|----------------------------|----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|------|
| Дни                        |    | 1                     | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 19   | 20   | 21   | 22   | 23   | 24   |                   |      |
| D                          | 1  | 16.3                  | 16.1 | 16.1 | 16.5 | 16.1 | 16.5 | 17.8 | 17.8 | 16.7 | 16.2 | 16.0 | 15.7 | 14.6 | 15.0 | 13.9 | 16.0 | 17.8 | 17.4 | 20.6 | 23.2 | 26.4 | 27.7 | 24.4 | 21.8              | 18.2 |
|                            | 2  | 20.0                  | 18.2 | 17.6 | 16.5 | 16.5 | 16.3 | 17.6 | 18.2 | 17.0 | 16.5 | 15.7 | 15.2 | 14.2 | 14.6 | 15.7 | 15.9 | 15.9 | 17.0 | 17.2 | 17.6 | 17.8 | 17.8 | 17.8 | 17.8              | 16.9 |
|                            | 3  | 17.4                  | 17.2 | 17.8 | 16.5 | 16.1 | 15.4 | 16.7 | 17.2 | 15.9 | 14.7 | 14.8 | 14.2 | 15.0 | 14.8 | 15.2 | 15.0 | 15.4 | 15.6 | 17.1 | 19.1 | 18.4 | 20.0 | 21.2 | 18.2              | 16.6 |
|                            | 4  | 17.4                  | 16.3 | 16.3 | 16.1 | 16.1 | 15.4 | 15.7 | 16.7 | 15.7 | 14.2 | 14.2 | 13.6 | 13.9 | 15.2 | 15.4 | 18.9 | 15.9 | 16.7 | 17.2 | 17.8 | 18.2 | 17.8 | 17.8 | 16.7              | 16.2 |
|                            | 5  | 17.0                  | 16.5 | 16.1 | 16.1 | 16.5 | 16.5 | 17.0 | 16.7 | 14.8 | 13.3 | 13.5 | 14.2 | 14.6 | 16.1 | 16.5 | 16.0 | 16.5 | 17.0 | 16.7 | 16.7 | 16.7 | 16.5 | 16.3 | 16.0              | 16.0 |
|                            | 6  | 17.2                  | 16.3 | 16.7 | 15.9 | 16.5 | 17.0 | 18.0 | 17.0 | 14.2 | 12.9 | 13.0 | 13.7 | 14.8 | 15.7 | 16.0 | 16.3 | 15.9 | 16.0 | 16.5 | 17.0 | 16.5 | 16.4 | 16.5 | 16.5              | 15.9 |
|                            | 7  | 16.5                  | 16.5 | 16.7 | 17.0 | 17.0 | 17.6 | 19.3 | 18.2 | 16.5 | 15.2 | 14.4 | 14.4 | 15.2 | 15.9 | 15.6 | 15.4 | 15.2 | 15.7 | 15.7 | 16.3 | 16.5 | 16.5 | 16.3 | 16.7              | 16.3 |
|                            | 8  | 16.1                  | 15.2 | 16.1 | 16.9 | 17.3 | 17.2 | 17.8 | 17.4 | 16.3 | 15.4 | 14.8 | 14.6 | 14.4 | 15.2 | 15.4 | 15.2 | 15.2 | 15.4 | 15.7 | 15.9 | 16.1 | 16.1 | 15.7 | 15.9              | 15.9 |
| Q                          | 9  | 15.9                  | 15.7 | 15.7 | 16.1 | 16.5 | 17.0 | 18.0 | 17.8 | 16.7 | 16.1 | 15.4 | 14.8 | 14.3 | 15.2 | 15.7 | 15.7 | 15.4 | 15.6 | 15.4 | 15.3 | 15.0 | 15.1 | 15.2 | 15.5              | 15.8 |
| Q                          | 10 | 15.6                  | 15.9 | 16.2 | 17.0 | 17.8 | 19.1 | 20.1 | 19.0 | 17.4 | 16.3 | 15.9 | 15.4 | 15.2 | 15.8 | 15.6 | 15.2 | 15.2 | 15.4 | 15.9 | 15.9 | 15.4 | 15.4 | 15.4 | 15.2              | 16.3 |
|                            | 11 | 15.2                  | 15.4 | 15.9 | 16.5 | 16.9 | 18.2 | 19.5 | 18.0 | 16.3 | 15.3 | 13.6 | 13.5 | 14.6 | 15.6 | 15.6 | 15.9 | 16.6 | 16.1 | 16.9 | 16.9 | 18.2 | 18.4 | 17.4 | 16.5              | 16.4 |
| Q                          | 12 | 16.3                  | 16.1 | 16.1 | 16.5 | 17.4 | 19.3 | 20.2 | 18.4 | 15.2 | 12.9 | 12.9 | 13.3 | 14.3 | 14.8 | 15.4 | 15.4 | 15.5 | 15.8 | 16.0 | 16.0 | 16.1 | 15.9 | 13.6 | 15.7              | 15.8 |
| D                          | 13 | 15.7                  | 15.7 | 15.9 | 16.3 | 17.2 | 18.2 | 19.0 | 19.1 | 18.0 | 14.6 | 14.5 | 15.2 | 15.7 | 17.0 | 15.2 | 16.0 | 18.0 | 20.2 | 21.7 | 20.4 | 20.4 | 20.6 | 19.7 | 19.3              | 17.6 |
|                            | 14 | 17.6                  | 16.1 | 15.9 | 17.0 | 18.0 | 19.5 | 20.6 | 20.2 | 17.8 | 16.2 | 16.1 | 15.9 | 15.0 | 15.6 | 16.3 | 15.9 | 17.8 | 17.2 | 16.7 | 16.7 | 16.8 | 16.7 | 16.6 | 16.3              | 17.0 |
|                            | 15 | 16.0                  | 16.0 | 16.0 | 16.1 | 17.2 | 19.5 | 20.8 | 20.2 | 18.7 | 16.3 | 15.0 | 14.2 | 15.4 | 15.7 | 15.6 | 15.2 | 15.7 | 16.0 | 17.4 | 16.5 | 16.7 | 16.3 | 16.1 | 16.1              | 16.6 |
|                            | 16 | 15.7                  | 16.1 | 15.7 | 14.6 | 15.2 | 17.2 | 19.3 | 19.3 | 17.4 | 15.9 | 15.2 | 15.2 | 15.4 | 16.1 | 16.5 | 16.1 | 16.1 | 16.5 | 16.6 | 16.7 | 16.7 | 16.5 | 16.3 | 16.3              | 16.4 |
|                            | 17 | 16.1                  | 16.1 | 16.0 | 15.7 | 16.5 | 17.8 | 19.3 | 18.3 | 17.3 | 15.7 | 15.7 | 15.4 | 15.4 | 15.2 | 16.3 | 16.5 | 15.9 | 16.5 | 17.4 | 16.7 | 16.5 | 16.5 | 16.0 | 15.7              | 16.4 |
| Q                          | 18 | 15.7                  | 15.7 | 15.6 | 15.7 | 16.3 | 18.2 | 20.0 | 20.0 | 18.2 | 15.2 | 13.7 | 13.1 | 13.9 | 15.2 | 15.6 | 15.2 | 15.6 | 16.1 | 16.3 | 16.5 | 16.5 | 16.3 | 16.1 | 16.1              | 16.1 |
| Q                          | 19 | 15.7                  | 15.4 | 15.3 | 15.4 | 15.9 | 17.8 | 19.7 | 19.7 | 17.6 | 14.8 | 13.9 | 13.2 | 13.3 | 14.4 | 15.0 | 15.2 | 15.4 | 16.1 | 16.5 | 17.0 | 16.9 | 16.5 | 16.0 | 15.7              | 15.9 |
|                            | 20 | 16.3                  | 15.9 | 15.7 | 15.4 | 16.1 | 18.4 | 19.9 | 19.1 | 17.4 | 15.2 | 14.4 | 13.9 | 13.7 | 14.4 | 14.8 | 14.8 | 15.1 | 15.7 | 16.1 | 17.0 | 16.5 | 16.5 | 16.3 | 16.3              | 16.0 |
|                            | 21 | 15.7                  | 16.1 | 15.2 | 15.1 | 15.2 | 16.5 | 18.0 | 18.2 | 17.4 | 15.9 | 14.8 | 13.9 | 14.0 | 15.2 | 16.3 | 15.4 | 15.7 | 15.7 | 15.7 | 16.1 | 15.9 | 15.7 | 15.4 | 15.2              | 15.8 |
|                            | 22 | 14.8                  | 14.8 | 14.6 | 14.8 | 15.2 | 16.5 | 18.0 | 17.4 | 15.9 | 14.8 | 14.4 | 13.5 | 13.7 | 14.4 | 14.4 | 14.4 | 14.4 | 15.0 | 16.3 | 18.2 | 17.6 | 17.6 | 17.1 | 16.7              | 15.6 |
|                            | 23 | 16.7                  | 16.3 | 15.9 | 16.0 | 16.0 | 17.2 | 18.5 | 17.4 | 16.1 | 15.0 | 14.4 | 14.4 | 13.5 | 14.2 | 14.6 | 15.2 | 15.0 | 15.2 | 15.5 | 15.7 | 16.1 | 16.1 | 16.0 | 15.7              | 15.7 |
|                            | 24 | 15.7                  | 15.6 | 15.4 | 15.9 | 16.5 | 17.6 | 19.3 | 18.7 | 16.7 | 14.8 | 13.3 | 12.9 | 13.3 | 14.8 | 14.8 | 15.0 | 15.0 | 16.1 | 17.4 | 17.2 | 16.5 | 16.3 | 16.2 | 15.9              | 15.9 |
|                            | 25 | 15.6                  | 15.4 | 15.2 | 15.4 | 15.7 | 16.7 | 18.0 | 17.8 | 17.3 | 15.7 | 13.3 | 12.2 | 12.6 | 13.5 | 13.6 | 14.2 | 14.6 | 14.7 | 16.3 | 16.7 | 16.5 | 16.3 | 16.5 | 16.2              | 15.4 |
|                            | 26 | 16.1                  | 16.1 | 16.0 | 16.0 | 16.7 | 17.8 | 18.2 | 17.4 | 16.3 | 15.2 | 14.4 | 13.7 | 14.4 | 15.4 | 15.7 | 15.4 | 15.3 | 15.4 | 15.4 | 15.7 | 16.1 | 15.4 | 14.8 | 14.8              | 15.7 |
| D                          | 27 | 14.6                  | 14.4 | 13.9 | 14.8 | 16.0 | 18.7 | 19.9 | 18.7 | 17.4 | 14.3 | 12.9 | 12.2 | 12.9 | 13.7 | 15.0 | 16.3 | 20.0 | 19.0 | 20.4 | 21.9 | 21.9 | 22.7 | 20.8 | 19.6              | 17.2 |
| D                          | 28 | 18.4                  | 17.8 | 17.4 | 17.0 | 17.0 | 17.4 | 18.7 | 19.0 | 17.6 | 16.0 | 14.8 | 13.5 | 14.8 | 14.2 | 15.4 | 14.4 | 14.2 | 16.1 | 18.7 | 19.3 | 17.2 | 17.4 | 16.7 | 18.7              | 16.7 |
| D                          | 29 | 21.7                  | 23.0 | 20.6 | 17.0 | 19.4 | 20.2 | 20.0 | 19.1 | 18.2 | 15.2 | 13.2 | 13.9 | 14.8 | 16.1 | 15.4 | 16.1 | 17.6 | 17.6 | 17.5 | 19.0 | 21.2 | 21.2 | 19.0 | 20.0              | 18.2 |
|                            | 30 | 18.7                  | 17.2 | 16.7 | 16.5 | 17.0 | 19.0 | 20.0 | 20.2 | 19.0 | 16.5 | 15.4 | 15.2 | 15.9 | 16.2 | 16.2 | 16.4 | 16.6 | 17.0 | 17.2 | 17.4 | 17.9 | 17.6 | 17.9 | 17.6              | 17.3 |
|                            | 31 | 17.4                  | 16.9 | 17.4 | 17.4 | 17.4 | 19.1 | 20.6 | 20.4 | 19.3 | 16.7 | 14.3 | 14.0 | 14.2 | 15.0 | 15.7 | 15.8 | 15.9 | 16.3 | 16.3 | 16.7 | 17.0 | 17.2 | 17.4 | 18.0              | 16.9 |
| Среднее по<br>всем дням    |    | 16.6                  | 16.3 | 16.2 | 16.1 | 16.6 | 17.7 | 18.9 | 18.5 | 17.0 | 15.3 | 14.4 | 14.1 | 14.4 | 15.2 | 15.4 | 15.6 | 15.9 | 16.3 | 17.0 | 17.4 | 17.5 | 17.5 | 17.0 | 16.9              | 16.4 |
| Среднее по<br>сп. дням     |    | 15.8                  | 15.8 | 15.8 | 16.1 | 16.8 | 18.3 | 19.6 | 19.0 | 17.0 | 15.1 | 14.4 | 14.0 | 14.2 | 15.1 | 15.5 | 15.3 | 15.4 | 15.8 | 16.0 | 16.1 | 16.0 | 15.8 | 15.3 | 15.6              | 16.0 |
| Среднее по<br>возмущ. дням |    | 17.3                  | 17.4 | 16.8 | 16.3 | 17.1 | 18.2 | 19.1 | 18.7 | 17.6 | 15.3 | 14.3 | 14.1 | 14.6 | 15.2 | 15.0 | 15.8 | 17.5 | 18.1 | 19.8 | 20.8 | 21.4 | 21.9 | 20.1 | 19.9              | 17.6 |
| Вариометр                  |    | Боброва (I-хII, 1980) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |      |

Ведомство Инст. Геофизики АН. Груз. ССР  
Обсерватория Душети (Жд. станция)  
Месяц Январь Год 1980

Среднемесячн. H = 24161<sup>°</sup>

Элемент Горизонтальная составляющая

H = 24110<sup>°</sup>

| Время<br>мировое           | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16  | 17  | 19  | 20  | 21 | 22  | 23  | 24  | Средн.<br>суточн. |    |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-------------------|----|
| Дни                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |    |     |     |     |                   |    |
| D 1                        | 49 | 52 | 52 | 57 | 64 | 76 | 80 | 73 | 58 | 51 | 33 | 16 | 4  | 0  | -12 | -21 | -11 | -21 | -14 | 10 | -12 | -33 | -26 | -10               | 21 |
| 2                          | 20 | -2 | 10 | 25 | 28 | 40 | 45 | 40 | 38 | 34 | 30 | 21 | 0  | 12 | 30  | 33  | 30  | 34  | 38  | 42 | 43  | 44  | 46  | 42                | 30 |
| 3                          | 48 | 49 | 44 | 54 | 62 | 64 | 66 | 62 | 56 | 51 | 45 | 27 | 30 | 48 | 51  | 48  | 52  | 46  | 42  | 63 | 46  | 34  | 50  | 42                | 49 |
| 4                          | 40 | 42 | 48 | 50 | 58 | 66 | 69 | 64 | 57 | 46 | 47 | 50 | 57 | 58 | 45  | 48  | 43  | 27  | 48  | 51 | 36  | 46  | 55  | 48                | 50 |
| 5                          | 51 | 49 | 54 | 52 | 55 | 61 | 69 | 70 | 65 | 63 | 57 | 57 | 44 | 33 | 45  | 46  | 45  | 44  | 46  | 54 | 62  | 62  | 54  | 60                | 54 |
| 6                          | 50 | 50 | 52 | 62 | 61 | 66 | 64 | 51 | 48 | 57 | 67 | 62 | 56 | 56 | 50  | 51  | 52  | 55  | 53  | 57 | 58  | 57  | 54  | 54                | 56 |
| 7                          | 54 | 57 | 57 | 58 | 64 | 68 | 63 | 53 | 51 | 58 | 66 | 63 | 58 | 60 | 63  | 60  | 64  | 64  | 67  | 67 | 72  | 69  | 62  | 66                | 62 |
| 8                          | 61 | 62 | 56 | 60 | 61 | 68 | 69 | 54 | 46 | 48 | 52 | 52 | 62 | 63 | 63  | 61  | 60  | 60  | 62  | 63 | 64  | 65  | 66  | 66                | 60 |
| Q 9                        | 67 | 69 | 68 | 68 | 72 | 75 | 74 | 62 | 48 | 50 | 52 | 50 | 54 | 58 | 58  | 58  | 58  | 58  | 60  | 60 | 62  | 62  | 63  | 63                | 61 |
| Q 10                       | 63 | 63 | 64 | 64 | 64 | 66 | 60 | 52 | 52 | 52 | 54 | 57 | 63 | 67 | 60  | 57  | 58  | 60  | 63  | 68 | 68  | 66  | 66  | 63                | 61 |
| 11                         | 62 | 60 | 60 | 60 | 64 | 70 | 66 | 52 | 57 | 49 | 42 | 49 | 48 | 60 | 50  | 39  | 34  | 32  | 36  | 44 | 39  | 44  | 45  | 50                | 50 |
| Q 12                       | 51 | 52 | 52 | 54 | 52 | 44 | 27 | 18 | 27 | 38 | 48 | 51 | 50 | 53 | 57  | 60  | 59  | 61  | 60  | 60 | 59  | 60  | 62  | 63                | 51 |
| D 13                       | 64 | 66 | 68 | 68 | 68 | 81 | 76 | 60 | 45 | 51 | 46 | 27 | 9  | 22 | 9   | -3  | -17 | -9  | -15 | 4  | 9   | 7   | 8   | 22                | 32 |
| 14                         | 21 | 26 | 31 | 30 | 33 | 28 | 16 | 12 | 10 | 18 | 24 | 24 | 27 | 30 | 34  | 31  | 30  | 36  | 40  | 42 | 45  | 45  | 45  | 51                | 30 |
| 15                         | 54 | 54 | 56 | 60 | 66 | 67 | 56 | 39 | 34 | 37 | 39 | 36 | 33 | 39 | 57  | 58  | 57  | 48  | 38  | 48 | 48  | 57  | 58  | 58                | 50 |
| 16                         | 54 | 60 | 55 | 64 | 63 | 58 | 38 | 22 | 22 | 33 | 40 | 39 | 38 | 41 | 48  | 51  | 51  | 50  | 52  | 52 | 52  | 52  | 55  | 57                | 48 |
| 17                         | 57 | 58 | 62 | 64 | 66 | 76 | 72 | 52 | 55 | 58 | 54 | 48 | 52 | 51 | 32  | 49  | 54  | 50  | 58  | 54 | 52  | 55  | 57  | 60                | 56 |
| Q 18                       | 58 | 57 | 60 | 63 | 68 | 73 | 68 | 54 | 40 | 39 | 42 | 50 | 50 | 50 | 54  | 54  | 54  | 54  | 57  | 57 | 63  | 66  | 66  | 62                | 57 |
| Q 19                       | 62 | 64 | 64 | 66 | 72 | 76 | 72 | 57 | 46 | 45 | 44 | 50 | 60 | 63 | 66  | 63  | 63  | 68  | 69  | 62 | 57  | 62  | 64  | 66                | 62 |
| 20                         | 66 | 63 | 75 | 69 | 69 | 69 | 61 | 54 | 48 | 52 | 52 | 51 | 48 | 61 | 63  | 65  | 68  | 67  | 64  | 69 | 61  | 63  | 63  | 63                | 62 |
| 21                         | 71 | 70 | 69 | 68 | 72 | 74 | 70 | 57 | 53 | 55 | 55 | 57 | 58 | 54 | 56  | 56  | 58  | 62  | 63  | 70 | 69  | 69  | 71  | 76                | 64 |
| 22                         | 72 | 74 | 75 | 76 | 78 | 78 | 81 | 69 | 62 | 60 | 62 | 60 | 60 | 61 | 67  | 68  | 70  | 70  | 69  | 74 | 64  | 58  | 60  | 61                | 68 |
| 23                         | 64 | 66 | 66 | 68 | 75 | 80 | 75 | 64 | 60 | 63 | 58 | 60 | 64 | 72 | 68  | 72  | 70  | 70  | 67  | 68 | 69  | 66  | 68  | 68                | 68 |
| 24                         | 66 | 68 | 70 | 72 | 74 | 78 | 76 | 64 | 57 | 57 | 56 | 60 | 63 | 71 | 66  | 60  | 57  | 57  | 55  | 51 | 64  | 64  | 64  | 64                | 64 |
| 25                         | 67 | 70 | 70 | 74 | 76 | 77 | 76 | 65 | 65 | 70 | 66 | 76 | 76 | 79 | 74  | 69  | 71  | 66  | 54  | 55 | 66  | 69  | 64  | 76                | 70 |
| 26                         | 69 | 68 | 68 | 66 | 70 | 80 | 75 | 68 | 67 | 80 | 74 | 65 | 62 | 62 | 68  | 67  | 69  | 68  | 67  | 67 | 66  | 63  | 64  | 76                | 69 |
| D 27                       | 71 | 73 | 71 | 81 | 74 | 71 | 60 | 48 | 40 | 40 | 40 | 34 | 58 | 52 | 21  | 0   | -2  | -4  | -14 | 2  | 15  | 5   | 53  | 24                | 38 |
| D 28                       | 26 | 28 | 37 | 39 | 48 | 49 | 32 | 30 | 32 | 32 | 28 | 26 | 16 | 10 | 33  | 20  | -4  | -8  | 19  | 6  | 32  | 32  | 46  | 39                | 27 |
| D 29                       | 30 | 44 | 30 | 12 | 12 | 9  | 4  | -1 | 0  | 17 | 21 | 22 | 28 | 33 | 2   | 9   | 3   | 31  | 42  | 19 | 29  | 32  | 43  | 34                | 21 |
| 30                         | 24 | 28 | 42 | 49 | 51 | 55 | 47 | 39 | 30 | 24 | 4  | 9  | 33 | 34 | 36  | 30  | 40  | 42  | 46  | 44 | 47  | 48  | 42  | 40                | 37 |
| 31                         | 42 | 48 | 51 | 54 | 59 | 63 | 51 | 40 | 34 | 32 | 36 | 34 | 40 | 46 | 52  | 54  | 54  | 55  | 54  | 57 | 52  | 45  | 49  | 61                | 48 |
| Среднее по<br>всем дням    | 53 | 54 | 56 | 58 | 61 | 65 | 60 | 50 | 45 | 47 | 46 | 45 | 45 | 48 | 47  | 46  | 45  | 45  | 47  | 50 | 50  | 49  | 53  | 54                | 51 |
| Среднее по<br>сп. дням     | 60 | 61 | 62 | 63 | 66 | 67 | 60 | 49 | 43 | 45 | 48 | 52 | 55 | 58 | 59  | 58  | 58  | 60  | 62  | 61 | 62  | 63  | 64  | 63                | 58 |
| Среднее по<br>возмущ. дням | 48 | 53 | 52 | 51 | 53 | 57 | 50 | 42 | 35 | 38 | 34 | 25 | 23 | 23 | 11  | 1   | -6  | -2  | 4   | 8  | 15  | 9   | 25  | 22                | 28 |

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины  
отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработала Эбремидзе М.А.

Проверила Вердзениш Н.Ж.

Ведомство Инст Геофизики АН. Груз. ССРОбсерватория Фушети (Тбилиси)Месяц Январь Год 1980Широта 42°05' Долгота 44°42'Среднемесячн. £ = 42106<sup>+</sup>Элемент Вертикальная составляющая£ = 42020<sup>+</sup>

| Время<br>мировое           | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16  | 17  | 19  | 20  | 21  | 22  | 23  | 24  | Средн.<br>суточн. |    |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|----|
| Дни                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |                   |    |
| D 1                        | 86 | 86 | 86 | 87 | 86 | 88 | 89 | 85 | 83 | 83 | 86 | 89 | 93 | 96 | 97  | 101 | 102 | 106 | 106 | 102 | 102 | 102 | 101 | 98                | 93 |
| 2                          | 92 | 95 | 94 | 93 | 91 | 91 | 91 | 85 | 82 | 87 | 88 | 88 | 93 | 97 | 95  | 94  | 96  | 95  | 95  | 94  | 94  | 92  | 92  | 92                | 92 |
| 3                          | 91 | 90 | 90 | 89 | 83 | 84 | 83 | 80 | 78 | 77 | 78 | 82 | 85 | 88 | 88  | 89  | 90  | 92  | 93  | 90  | 92  | 94  | 91  | 90                | 87 |
| 4                          | 89 | 88 | 88 | 87 | 81 | 79 | 80 | 78 | 76 | 77 | 75 | 76 | 82 | 86 | 87  | 87  | 89  | 92  | 89  | 89  | 91  | 89  | 88  | 89                | 85 |
| 5                          | 88 | 88 | 87 | 88 | 84 | 86 | 86 | 79 | 79 | 82 | 82 | 82 | 87 | 89 | 88  | 88  | 90  | 90  | 92  | 90  | 88  | 87  | 88  | 86                | 86 |
| 6                          | 86 | 87 | 87 | 85 | 82 | 80 | 82 | 75 | 71 | 79 | 85 | 82 | 84 | 85 | 86  | 86  | 88  | 88  | 88  | 87  | 87  | 87  | 87  | 87                | 84 |
| 7                          | 87 | 86 | 86 | 86 | 83 | 86 | 86 | 81 | 79 | 75 | 76 | 79 | 84 | 86 | 85  | 86  | 85  | 86  | 86  | 86  | 85  | 84  | 85  | 85                | 84 |
| 8                          | 85 | 84 | 86 | 86 | 84 | 83 | 82 | 84 | 84 | 80 | 78 | 77 | 82 | 85 | 84  | 85  | 85  | 86  | 86  | 86  | 85  | 85  | 84  | 84                | 84 |
| Q 9                        | 84 | 84 | 84 | 85 | 82 | 84 | 85 | 81 | 79 | 81 | 82 | 78 | 76 | 82 | 84  | 84  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85                | 83 |
| Q 10                       | 85 | 85 | 86 | 86 | 85 | 86 | 85 | 80 | 73 | 71 | 75 | 76 | 80 | 81 | 82  | 83  | 84  | 85  | 84  | 84  | 83  | 83  | 84  | 84                | 82 |
| 11                         | 85 | 85 | 86 | 86 | 82 | 85 | 85 | 84 | 80 | 78 | 79 | 78 | 82 | 84 | 86  | 88  | 89  | 91  | 90  | 89  | 90  | 89  | 88  | 87                | 85 |
| Q 12                       | 87 | 88 | 88 | 88 | 91 | 92 | 87 | 76 | 66 | 66 | 72 | 79 | 83 | 84 | 86  | 84  | 85  | 86  | 86  | 86  | 85  | 85  | 84  | 84                | 83 |
| D 13                       | 84 | 84 | 84 | 85 | 86 | 86 | 84 | 85 | 80 | 73 | 79 | 87 | 90 | 90 | 92  | 96  | 100 | 100 | 102 | 99  | 97  | 96  | 96  | 92                | 89 |
| 14                         | 92 | 92 | 92 | 94 | 94 | 95 | 91 | 84 | 79 | 78 | 79 | 80 | 85 | 91 | 91  | 92  | 94  | 94  | 93  | 92  | 91  | 90  | 90  | 90                | 89 |
| 15                         | 89 | 89 | 89 | 89 | 90 | 93 | 90 | 87 | 83 | 80 | 80 | 87 | 91 | 90 | 88  | 88  | 89  | 90  | 92  | 90  | 89  | 88  | 88  | 88                | 88 |
| 16                         | 88 | 86 | 87 | 86 | 90 | 95 | 97 | 92 | 84 | 80 | 83 | 86 | 91 | 91 | 89  | 88  | 89  | 90  | 90  | 90  | 89  | 88  | 88  | 88                | 89 |
| 17                         | 87 | 87 | 87 | 88 | 88 | 89 | 90 | 88 | 85 | 80 | 81 | 82 | 82 | 86 | 89  | 89  | 89  | 90  | 89  | 89  | 88  | 88  | 87  | 87                | 87 |
| Q 18                       | 87 | 86 | 86 | 86 | 86 | 91 | 88 | 82 | 77 | 76 | 79 | 82 | 89 | 92 | 89  | 88  | 89  | 90  | 89  | 90  | 87  | 86  | 86  | 86                | 86 |
| Q 19                       | 86 | 86 | 86 | 86 | 86 | 89 | 89 | 87 | 82 | 79 | 80 | 83 | 87 | 88 | 88  | 86  | 87  | 87  | 87  | 88  | 88  | 87  | 86  | 86                | 86 |
| 20                         | 86 | 86 | 84 | 85 | 89 | 92 | 87 | 82 | 76 | 73 | 79 | 83 | 88 | 89 | 86  | 85  | 85  | 86  | 88  | 86  | 86  | 85  | 85  | 85                | 85 |
| 21                         | 84 | 84 | 84 | 84 | 84 | 86 | 83 | 79 | 78 | 72 | 68 | 70 | 77 | 84 | 85  | 86  | 86  | 86  | 87  | 86  | 85  | 84  | 84  | 83                | 82 |
| 22                         | 83 | 83 | 83 | 83 | 84 | 88 | 83 | 80 | 79 | 78 | 78 | 80 | 82 | 85 | 84  | 84  | 84  | 85  | 87  | 86  | 87  | 87  | 86  | 86                | 84 |
| 23                         | 85 | 85 | 84 | 84 | 82 | 81 | 81 | 80 | 79 | 72 | 71 | 72 | 74 | 79 | 82  | 82  | 83  | 84  | 84  | 84  | 84  | 84  | 83  | 83                | 81 |
| 24                         | 83 | 83 | 83 | 83 | 82 | 83 | 79 | 75 | 74 | 74 | 72 | 75 | 82 | 86 | 86  | 86  | 88  | 88  | 89  | 89  | 87  | 87  | 86  | 86                | 83 |
| 25                         | 86 | 85 | 86 | 86 | 85 | 85 | 83 | 82 | 77 | 69 | 67 | 71 | 78 | 81 | 83  | 84  | 84  | 86  | 88  | 88  | 86  | 85  | 85  | 83                | 82 |
| 26                         | 84 | 83 | 83 | 84 | 82 | 83 | 81 | 78 | 78 | 78 | 78 | 80 | 82 | 83 | 83  | 83  | 84  | 84  | 84  | 84  | 83  | 83  | 83  | 81                | 82 |
| D 27                       | 82 | 82 | 82 | 82 | 83 | 84 | 76 | 74 | 72 | 70 | 78 | 86 | 89 | 90 | 91  | 95  | 98  | 101 | 102 | 101 | 96  | 96  | 88  | 91                | 87 |
| D 28                       | 90 | 90 | 90 | 89 | 88 | 87 | 91 | 86 | 82 | 80 | 85 | 89 | 95 | 98 | 95  | 96  | 104 | 109 | 106 | 105 | 98  | 96  | 94  | 93                | 93 |
| D 29                       | 91 | 85 | 87 | 91 | 93 | 89 | 85 | 83 | 79 | 74 | 84 | 92 | 96 | 96 | 101 | 98  | 101 | 99  | 96  | 100 | 98  | 96  | 93  | 93                | 92 |
| 30                         | 94 | 93 | 92 | 91 | 91 | 92 | 92 | 88 | 82 | 77 | 82 | 90 | 92 | 93 | 93  | 95  | 95  | 95  | 93  | 93  | 93  | 93  | 93  | 93                | 91 |
| 31                         | 92 | 91 | 91 | 90 | 89 | 90 | 87 | 84 | 82 | 77 | 79 | 83 | 87 | 88 | 89  | 89  | 90  | 90  | 91  | 90  | 91  | 92  | 90  | 89                | 88 |
| Среднее по<br>всем дням    | 87 | 87 | 87 | 87 | 86 | 87 | 86 | 82 | 79 | 77 | 79 | 81 | 85 | 88 | 88  | 89  | 90  | 91  | 91  | 90  | 89  | 89  | 88  | 88                | 86 |
| Среднее по<br>сп. дням     | 86 | 86 | 86 | 86 | 86 | 88 | 87 | 81 | 75 | 75 | 78 | 80 | 83 | 85 | 86  | 85  | 86  | 87  | 86  | 87  | 86  | 85  | 85  | 85                | 84 |
| Среднее по<br>возмущ. дням | 87 | 85 | 86 | 87 | 87 | 87 | 85 | 83 | 79 | 76 | 82 | 89 | 93 | 94 | 95  | 97  | 101 | 103 | 102 | 101 | 98  | 97  | 94  | 93                | 91 |

Условные обозначения: Δ — погасла лампа; &gt; или &lt; — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал Вержеули Н. Ж.Проверил Бенситашвили М. А.

Месяц Февраль год 1980 $\delta = 4^{\circ}43'.0$  + =

| Время<br>коровое           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>тип | Min<br>тип | время<br>minim | Ампл. |  |  | Сумма |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|------------|----------------|-------|--|--|-------|
| Дни                        | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |                   |              |            |            |                |       |  |  |       |
| 1                          | 17.8 | 17.4 | 16.9 | 16.5 | 17.0 | 18.7 | 20.6 | 19.7 | 18.2 | 15.2 | 13.9 | 13.9 | 14.4 | 15.0 | 15.0 | 15.2 | 15.6 | 15.9 | 16.5 | 17.5 | 18.1 | 18.0 | 17.1 | 17.1 | 16.7              | 6.3          | 20.9       | 12.9       | 10.9           | 8.0   |  |  |       |
| 2                          | 17.5 | 16.5 | 16.6 | 16.6 | 16.0 | 17.3 | 19.3 | 18.2 | 17.2 | 14.1 | 12.0 | 12.7 | 13.7 | 14.8 | 15.6 | 15.4 | 15.6 | 15.7 | 16.1 | 16.1 | 16.3 | 16.3 | 16.5 | 16.5 | 15.9              | 6.3          | 19.7       | 11.8       | 10.5           | 7.9   |  |  |       |
| Q 3                        | 16.5 | 16.5 | 16.5 | 17.0 | 18.2 | 20.2 | 21.2 | 20.4 | 18.4 | 15.2 | 13.5 | 13.0 | 13.4 | 14.2 | 15.0 | 15.0 | 15.4 | 15.4 | 15.4 | 15.6 | 15.7 | 15.8 | 15.7 | 16.0 | 16.2              | 6.6          | 21.3       | 12.9       | 11.7           | 8.4   |  |  |       |
| 4                          | 15.9 | 16.1 | 15.9 | 16.3 | 17.4 | 19.1 | 19.7 | 18.9 | 17.0 | 13.1 | 11.4 | 12.7 | 14.4 | 15.7 | 15.7 | 15.3 | 15.2 | 15.4 | 15.6 | 15.8 | 15.9 | 16.1 | 16.0 | 16.0 | 15.9              | 6.4          | 20.1       | 11.1       | 10.6           | 9.0   |  |  |       |
| Q 5                        | 16.1 | 16.3 | 16.5 | 17.0 | 18.0 | 19.7 | 20.5 | 19.3 | 17.4 | 14.8 | 13.5 | 13.3 | 14.4 | 15.2 | 15.4 | 15.4 | 15.7 | 15.9 | 15.8 | 16.1 | 16.0 | 16.1 | 16.1 | 16.0 | 16.3              | 6.3          | 20.8       | 13.1       | 11.5           | 7.7   |  |  |       |
| D 6                        | 16.0 | 16.1 | 16.3 | 16.1 | 16.5 | 18.2 | 19.3 | 19.5 | 17.8 | 15.7 | 14.4 | 15.0 | 16.7 | 16.1 | 20.2 | 20.3 | 24.2 | 20.6 | 19.7 | 27.3 | 19.1 | 18.7 | 18.2 | 18.0 | 18.3              | 19.4         | 32.6       | 13.5       | 10.5           | 19.1  |  |  |       |
| 7                          | 18.0 | 17.4 | 17.6 | 18.4 | 19.9 | 21.7 | 21.4 | 20.9 | 19.5 | 17.2 | 16.9 | 16.3 | 15.4 | 15.4 | 15.4 | 15.7 | 16.3 | 17.0 | 19.5 | 19.7 | 18.9 | 18.7 | 17.2 | 17.3 | 18.0              | 5.4          | 22.2       | 14.6       | 12.5           | 7.6   |  |  |       |
| D 8                        | 15.2 | 15.2 | 16.7 | 16.3 | 15.9 | 17.8 | 19.5 | 19.0 | 17.0 | 13.1 | 11.9 | 12.9 | 14.6 | 15.9 | 17.2 | 16.9 | 18.2 | 18.4 | 18.9 | 18.7 | 18.0 | 17.4 | 17.3 | 16.7 | 16.6              | 6.8          | 19.7       | 11.2       | 10.9           | 8.5   |  |  |       |
| 9                          | 16.7 | 16.9 | 16.7 | 17.4 | 18.0 | 19.1 | 20.2 | 19.6 | 17.4 | 15.2 | 14.4 | 14.4 | 15.7 | 16.5 | 17.8 | 18.0 | 18.0 | 18.2 | 20.0 | 18.2 | 17.4 | 16.3 | 15.8 | 15.4 | 17.2              | 18.7         | 22.7       | 13.7       | 11.1           | 9.0   |  |  |       |
| Q 10                       | 15.9 | 16.1 | 16.3 | 16.5 | 17.2 | 19.5 | 21.6 | 21.0 | 18.4 | 16.0 | 14.2 | 13.9 | 14.2 | 14.7 | 15.7 | 15.6 | 15.4 | 15.9 | 16.1 | 16.5 | 16.2 | 16.1 | 16.1 | 15.7 | 16.4              | 6.9          | 21.9       | 13.7       | 11.2           | 8.2   |  |  |       |
| 11                         | 15.6 | 15.6 | 15.9 | 16.1 | 17.6 | 20.0 | 21.7 | 21.0 | 17.8 | 15.0 | 12.7 | 11.6 | 12.2 | 14.2 | 15.3 | 15.2 | 15.0 | 15.4 | 15.9 | 16.0 | 16.1 | 16.0 | 15.9 | 15.7 | 16.0              | 7.0          | 21.9       | 11.4       | 12.0           | 10.5  |  |  |       |
| Q 12                       | 15.4 | 15.6 | 15.9 | 16.3 | 17.4 | 19.3 | 20.6 | 20.0 | 17.8 | 16.3 | 15.0 | 13.9 | 13.8 | 14.8 | 15.0 | 15.2 | 15.2 | 15.4 | 15.6 | 15.8 | 15.9 | 15.6 | 15.8 | 15.8 | 16.1              | 6.5          | 20.7       | 13.5       | 12.1           | 7.2   |  |  |       |
| Q 13                       | 15.5 | 15.4 | 15.7 | 16.1 | 17.4 | 20.0 | 21.3 | 20.4 | 17.5 | 15.0 | 12.9 | 11.6 | 12.0 | 13.7 | 14.8 | 14.8 | 14.8 | 14.8 | 15.2 | 15.6 | 16.1 | 16.0 | 15.7 | 15.2 | 15.7              | 6.5          | 21.4       | 11.2       | 12.2           | 10.2  |  |  |       |
| D 14                       | 15.2 | 15.2 | 15.7 | 15.4 | 15.6 | 17.0 | 17.9 | 17.8 | 16.3 | 14.6 | 14.3 | 13.1 | 15.7 | 15.1 | 15.9 | 16.7 | 19.1 | 20.4 | 19.7 | 20.0 | 19.3 | 17.0 | 16.7 | 16.3 | 16.7              | 17.7         | 21.1       | 12.0       | 11.2           | 9.1   |  |  |       |
| D 15                       | 16.3 | 15.7 | 15.2 | 16.1 | 17.4 | 19.7 | 21.4 | 21.4 | 19.3 | 16.1 | 13.9 | 12.9 | 12.4 | 13.1 | 13.9 | 14.6 | 15.0 | 15.0 | 15.4 | 15.9 | 22.5 | 25.9 | 24.9 | 17.2 | 17.1              | 22.3         | 27.1       | 11.8       | 12.9           | 15.3  |  |  |       |
| D 16                       | 18.0 | 19.3 | 16.5 | 14.8 | 15.9 | 19.7 | 21.4 | 22.3 | 22.5 | 21.4 | 19.3 | 17.8 | 18.2 | 18.4 | 19.7 | 20.0 | 19.7 | 19.9 | 21.6 | 22.1 | 21.4 | 18.3 | 17.2 | 17.0 | 19.3              | 8.5          | 23.4       | 14.4       | 4.3            | 9.0   |  |  |       |
| 17                         | 16.7 | 16.8 | 17.2 | 17.2 | 17.8 | 19.7 | 21.2 | 20.8 | 19.3 | 17.6 | 16.1 | 15.4 | 15.7 | 16.0 | 16.6 | 16.3 | 16.1 | 16.5 | 16.9 | 17.0 | 17.2 | 17.0 | 16.9 | 16.5 | 17.3              | 6.3          | 21.4       | 15.2       | 11.8           | 6.2   |  |  |       |
| 18                         | 16.1 | 17.4 | 16.5 | 16.5 | 18.0 | 20.0 | 20.2 | 18.7 | 17.2 | 15.0 | 13.3 | 13.9 | 14.6 | 16.1 | 17.8 | 17.4 | 17.0 | 17.4 | 19.7 | 19.5 | 19.5 | 18.9 | 18.0 | 16.7 | 17.3              | 18.4         | 20.8       | 12.9       | 10.7           | 7.9   |  |  |       |
| 19                         | 17.8 | 18.0 | 16.7 | 15.9 | 16.3 | 19.1 | 20.0 | 19.7 | 18.7 | 17.8 | 16.5 | 15.8 | 15.6 | 15.9 | 16.3 | 16.1 | 15.6 | 15.8 | 16.0 | 16.3 | 16.7 | 16.9 | 16.7 | 17.0 | 17.0              | 6.9          | 20.2       | 13.9       | 4.0            | 6.3   |  |  |       |
| 20                         | 16.7 | 17.2 | 16.5 | 16.5 | 17.2 | 18.7 | 19.7 | 18.9 | 16.7 | 15.8 | 15.7 | 15.2 | 15.0 | 15.3 | 15.4 | 15.4 | 15.4 | 15.9 | 15.7 | 15.9 | 16.1 | 16.1 | 16.3 | 16.3 | 16.4              | 6.6          | 20.4       | 14.8       | 12.2           | 5.6   |  |  |       |
| 21                         | 17.0 | 17.2 | 17.0 | 16.7 | 17.4 | 18.4 | 19.3 | 18.3 | 16.9 | 15.2 | 14.8 | 14.4 | 14.8 | 15.0 | 15.0 | 15.0 | 14.8 | 15.0 | 15.4 | 15.9 | 16.1 | 17.0 | 17.0 | 16.3 | 16.2              | 6.9          | 19.5       | 14.1       | 11.0           | 5.4   |  |  |       |
| 22                         | 16.1 | 15.7 | 15.4 | 15.4 | 15.9 | 17.3 | 18.2 | 17.6 | 15.7 | 14.1 | 13.1 | 13.1 | 14.2 | 14.6 | 15.0 | 15.7 | 15.6 | 15.2 | 15.2 | 15.6 | 15.6 | 15.4 | 15.6 | 15.4 | 15.4              | 6.5          | 18.4       | 12.7       | 10.8           | 5.7   |  |  |       |
| 23                         | 15.2 | 15.2 | 15.7 | 15.4 | 15.4 | 16.5 | 17.4 | 17.5 | 15.8 | 13.9 | 13.5 | 14.1 | 13.9 | 15.4 | 14.6 | 13.7 | 14.2 | 16.5 | 16.5 | 19.1 | 19.0 | 19.3 | 18.2 | 17.4 | 16.0              | 21.4         | 19.6       | 13.3       | 10.9           | 6.3   |  |  |       |
| 24                         | 17.0 | 17.4 | 16.5 | 16.1 | 15.8 | 16.7 | 18.0 | 17.4 | 15.7 | 14.2 | 13.9 | 13.5 | 14.2 | 14.8 | 15.6 | 16.5 | 15.0 | 15.1 | 15.4 | 15.7 | 16.1 | 16.1 | 16.1 | 16.1 | 15.8              | 6.7          | 18.2       | 13.2       | 11.3           | 5.0   |  |  |       |
| 25                         | 16.1 | 15.9 | 15.7 | 15.7 | 16.3 | 17.4 | 18.0 | 17.0 | 15.0 | 14.4 | 13.5 | 12.6 | 13.1 | 14.2 | 13.3 | 13.9 | 14.2 | 13.9 | 15.0 | 18.2 | 19.1 | 19.5 | 20.2 | 18.9 | 15.9              | 22.1         | 21.2       | 12.0       | 11.7           | 9.2   |  |  |       |
| 26                         | 18.7 | 18.2 | 17.8 | 17.8 | 18.2 | 18.4 | 18.2 | 17.2 | 15.2 | 13.9 | 13.7 | 13.5 | 14.4 | 15.0 | 15.2 | 14.8 | 14.8 | 15.5 | 16.7 | 17.2 | 17.3 | 16.5 | 16.5 | 17.0 | 16.3              | 0.1          | 20.4       | 12.1       | 11.7           | 8.3   |  |  |       |
| 27                         | 16.9 | 17.2 | 16.8 | 17.2 | 18.9 | 19.1 | 19.3 | 17.4 | 16.1 | 14.8 | 13.3 | 14.6 | 16.3 | 16.5 | 15.7 | 15.9 | 16.9 | 16.7 | 17.0 | 17.8 | 17.8 | 18.9 | 17.8 | 18.2 | 17.0              | 6.0          | 20.2       | 12.6       | 10.9           | 7.6   |  |  |       |
| 28                         | 17.6 | 17.8 | 17.2 | 17.4 | 18.4 | 18.6 | 17.8 | 15.7 | 15.2 | 15.0 | 15.9 | 17.8 | 17.4 | 16.7 | 15.7 | 15.7 | 15.7 | 16.1 | 16.5 | 16.5 | 17.0 | 17.8 | 17.1 | 16.5 | 16.8              | 5.4          | 18.7       | 14.2       | 9.4            | 4.5   |  |  |       |
| 29                         | 17.2 | 17.6 | 18.0 | 18.2 | 17.8 | 18.4 | 18.2 | 15.2 | 13.5 | 13.7 | 14.2 | 15.2 | 16.4 | 17.2 | 15.9 | 15.3 | 15.6 | 16.5 | 16.9 | 16.7 | 17.2 | 16.7 | 16.5 | 16.5 | 16.4              | 5.9          | 19.0       | 13.2       | 8.6            | 5.8   |  |  |       |
| 30                         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |            |                |       |  |  |       |
| 31                         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |            |                |       |  |  |       |
| Среднее по<br>всем дням    | 16.6 | 16.7 | 16.5 | 16.5 | 17.2 | 18.8 | 19.8 | 19.0 | 17.3 | 15.3 | 14.2 | 14.1 | 14.7 | 15.4 | 15.9 | 15.9 | 16.2 | 16.4 | 16.9 | 17.5 | 17.5 | 17.4 | 17.1 | 16.6 | 16.6              |              | 21.2       | 13.0       |                | 8.2   |  |  |       |
| Среднее по<br>сп. дням     | 15.9 | 16.0 | 16.2 | 16.6 | 17.6 | 19.7 | 21.0 | 20.2 | 17.9 | 15.5 | 13.8 | 13.1 | 13.6 | 14.5 | 15.2 | 15.2 | 15.3 | 15.5 | 15.6 | 15.9 | 16.0 | 15.9 | 15.9 | 15.7 | 16.2              |              | 21.2       | 12.9       |                | 8.3   |  |  |       |
| Среднее по<br>возмущ. дням | 16.1 | 16.3 | 16.1 | 15.7 | 16.3 | 18.5 | 19.9 | 20.0 | 18.6 | 16.2 | 14.8 | 14.3 | 15.5 | 15.7 | 17.4 | 17.7 | 19.2 | 18.9 | 19.1 | 20.8 | 20.1 | 19.5 | 18.9 | 17.0 | 17.6              |              | 24.8       | 12.6       |                | 12.2  |  |  |       |
| Сумма по<br>всем дням      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |            |                |       |  |  |       |
| Сумма по<br>сп. дням       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |            |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |            |                |       |  |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Бенкиташвили Ю.А.Проверил А.Э.Бремидзе М.А.



Месяц Февраль год 1980

$H = 24110^\circ + \quad = \quad$

| Время<br>жировое           |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>тип | Mini<br>тип | время<br>minim | Ампл. |    |    | Сумма |     |     |      |     |  |  |  |  |
|----------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|----|----|-------|-----|-----|------|-----|--|--|--|--|
| Дни                        | 1  | 2  | 3  | 4  | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18                | 19           | 20         | 21          | 22             | 23    | 24 |    |       |     |     |      |     |  |  |  |  |
| 1                          | 51 | 46 | 48 | 51 | 58  | 66  | 64  | 60  | 60  | 60  | 63  | 58  | 57  | 58  | 58  | 62  | 60  | 58                | 60           | 50         | 60          | 46             | 55    | 64 | 57 | 20.1  | 80  | 45  | 1.4  | 35  |  |  |  |  |
| 2                          | 58 | 58 | 60 | 64 | 72  | 80  | 68  | 55  | 40  | 49  | 55  | 52  | 62  | 54  | 57  | 56  | 60  | 60                | 60           | 62         | 61          | 58             | 60    | 58 | 59 | 5.7   | 84  | 34  | 8.6  | 50  |  |  |  |  |
| Q 3                        | 57 | 57 | 58 | 62 | 64  | 66  | 66  | 57  | 46  | 46  | 45  | 48  | 48  | 52  | 57  | 61  | 63  | 64                | 62           | 63         | 64          | 64             | 64    | 64 | 58 | 6.3   | 69  | 42  | 10.2 | 27  |  |  |  |  |
| 4                          | 64 | 64 | 66 | 72 | 78  | 82  | 91  | 72  | 61  | 68  | 68  | 70  | 72  | 70  | 68  | 66  | 63  | 62                | 62           | 64         | 66          | 65             | 66    | 64 | 68 | 6.6   | 98  | 57  | 9.0  | 41  |  |  |  |  |
| Q 5                        | 66 | 68 | 66 | 69 | 70  | 70  | 66  | 62  | 60  | 58  | 58  | 60  | 62  | 57  | 54  | 51  | 53  | 56                | 58           | 60         | 61          | 64             | 65    | 64 | 62 | 5.5   | 73  | 50  | 15.4 | 23  |  |  |  |  |
| D 6                        | 64 | 66 | 69 | 86 | 93  | 96  | 88  | 70  | 38  | 33  | 40  | 39  | 32  | 30  | -8  | -38 | -45 | -22               | 3            | -10        | -3          | 4              | 10    | 10 | 31 | 5.0   | 103 | -69 | 16.0 | 172 |  |  |  |  |
| 7                          | 15 | 21 | 18 | 22 | 19  | 19  | 20  | 22  | 2   | 2   | 8   | 15  | 25  | 30  | 39  | 39  | 31  | 30                | 28           | 20         | 33          | 45             | 36    | 36 | 24 | 21.2  | 54  | -6  | 8.4  | 60  |  |  |  |  |
| D 8                        | 43 | 45 | 40 | 40 | 62  | 55  | 44  | 18  | 3   | -4  | 7   | 10  | 21  | 9   | 6   | 6   | 25  | 18                | 24           | 28         | 34          | 40             | 43    | 48 | 28 | 4.4   | 69  | -20 | 9.2  | 89  |  |  |  |  |
| 9                          | 40 | 44 | 48 | 46 | 58  | 66  | 57  | 41  | 33  | 26  | 28  | 27  | 34  | 32  | 24  | 21  | 26  | 28                | 39           | 36         | 44          | 49             | 54    | 52 | 40 | 5.5   | 70  | 18  | 15.2 | 52  |  |  |  |  |
| Q 10                       | 51 | 50 | 51 | 55 | 58  | 58  | 54  | 44  | 39  | 42  | 45  | 46  | 50  | 54  | 58  | 56  | 54  | 58                | 58           | 57         | 60          | 59             | 60    | 62 | 53 | 23.6  | 64  | 36  | 7.9  | 28  |  |  |  |  |
| 11                         | 62 | 62 | 66 | 69 | 74  | 72  | 66  | 56  | 45  | 43  | 45  | 52  | 63  | 66  | 64  | 64  | 62  | 61                | 60           | 63         | 63          | 63             | 62    | 62 | 61 | 4.9   | 78  | 40  | 8.8  | 38  |  |  |  |  |
| Q 12                       | 63 | 64 | 66 | 69 | 73  | 78  | 77  | 70  | 64  | 57  | 54  | 56  | 56  | 57  | 60  | 62  | 60  | 60                | 62           | 63         | 64          | 67             | 66    | 64 | 64 | 6.0   | 81  | 52  | 10.2 | 29  |  |  |  |  |
| Q 13                       | 66 | 70 | 70 | 74 | 80  | 83  | 76  | 66  | 58  | 61  | 66  | 68  | 72  | 75  | 75  | 74  | 70  | 70                | 72           | 71         | 74          | 75             | 73    | 74 | 71 | 5.5   | 85  | 56  | 8.9  | 29  |  |  |  |  |
| D 14                       | 70 | 72 | 74 | 94 | 105 | 104 | 106 | 105 | 102 | 75  | 48  | 30  | 25  | 18  | 28  | 2   | -10 | 0                 | 26           | 21         | 30          | 40             | 43    | 45 | 52 | 8.8   | 111 | -18 | 16.2 | 129 |  |  |  |  |
| D 15                       | 48 | 50 | 56 | 64 | 63  | 63  | 62  | 56  | 51  | 44  | 39  | 39  | 46  | 63  | 75  | 66  | 60  | 70                | 69           | 66         | 44          | 3.             | 0     | 44 | 52 | 19.8  | 90  | -30 | 21.8 | 120 |  |  |  |  |
| D 16                       | 10 | 6  | 45 | 24 | 12  | 10  | 3   | -9  | -14 | -28 | -26 | -38 | -54 | -39 | -32 | -18 | -9  | -4                | -2           | 14         | 21          | 20             | 26    | 26 | -2 | 2.2   | 60  | -59 | 12.2 | 119 |  |  |  |  |
| 17                         | 27 | 27 | 33 | 42 | 52  | 58  | 61  | 54  | 42  | 38  | 43  | 46  | 45  | 48  | 44  | 43  | 40  | 43                | 43           | 39         | 40          | 42             | 44    | 44 | 43 | 6.9   | 64  | 23  | 1.3  | 44  |  |  |  |  |
| 18                         | 55 | 46 | 48 | 52 | 56  | 48  | 40  | 32  | 24  | 27  | 32  | 27  | 20  | 12  | 21  | 34  | 36  | 32                | 22           | 13         | 26          | 34             | 40    | 42 | 34 | 0.3   | 58  | 9   | 13.5 | 49  |  |  |  |  |
| 19                         | 55 | 40 | 44 | 48 | 64  | 52  | 46  | 37  | 34  | 40  | 40  | 34  | 38  | 40  | 43  | 45  | 47  | 48                | 51           | 51         | 52          | 53             | 56    | 51 | 46 | 4.7   | 68  | 28  | 7.8  | 40  |  |  |  |  |
| 20                         | 58 | 52 | 52 | 56 | 58  | 62  | 60  | 60  | 64  | 72  | 64  | 59  | 56  | 52  | 52  | 51  | 45  | 54                | 57           | 56         | 57          | 56             | 56    | 58 | 57 | 9.7   | 75  | 42  | 16.5 | 33  |  |  |  |  |
| 21                         | 57 | 61 | 62 | 64 | 70  | 69  | 63  | 58  | 57  | 64  | 70  | 65  | 64  | 66  | 64  | 66  | 68  | 70                | 67           | 68         | 67          | 64             | 65    | 68 | 65 | 4.9   | 72  | 52  | 8.1  | 20  |  |  |  |  |
| 22                         | 70 | 75 | 81 | 81 | 82  | 82  | 78  | 68  | 68  | 75  | 82  | 82  | 76  | 71  | 67  | 60  | 59  | 64                | 69           | 72         | 70          | 72             | 76    | 79 | 73 | 11.5  | 84  | 56  | 15.9 | 31  |  |  |  |  |
| 23                         | 82 | 80 | 75 | 79 | 81  | 81  | 82  | 84  | 82  | 78  | 64  | 66  | 68  | 60  | 52  | 52  | 33  | 30                | 26           | 15         | 28          | 36             | 45    | 50 | 60 | 7.3   | 88  | 3   | 19.3 | 85  |  |  |  |  |
| 24                         | 58 | 52 | 52 | 56 | 58  | 62  | 67  | 67  | 63  | 62  | 62  | 58  | 60  | 57  | 46  | 41  | 57  | 62                | 64           | 64         | 65          | 65             | 66    | 66 | 60 | 6.7   | 69  | 34  | 15.2 | 35  |  |  |  |  |
| 25                         | 65 | 69 | 70 | 72 | 70  | 67  | 58  | 52  | 52  | 49  | 55  | 62  | 66  | 65  | 74  | 66  | 64  | 64                | 33           | 38         | 22          | 27             | 36    | 60 | 56 | 14.7  | 82  | 15  | 20.7 | 67  |  |  |  |  |
| 26                         | 34 | 34 | 42 | 50 | 51  | 50  | 44  | 42  | 41  | 45  | 48  | 50  | 42  | 34  | 42  | 45  | 44  | 50                | 54           | 50         | 52          | 52             | 57    | 55 | 46 | 22.8  | 63  | 25  | 1.0  | 38  |  |  |  |  |
| 27                         | 56 | 56 | 60 | 62 | 55  | 46  | 44  | 34  | 26  | 13  | 25  | 18  | 24  | 10  | 28  | 50  | 62  | 55                | 52           | 46         | 52          | 52             | 46    | 46 | 42 | 3.3   | 66  | 4   | 13.5 | 62  |  |  |  |  |
| 28                         | 54 | 49 | 52 | 58 | 66  | 62  | 62  | 60  | 60  | 56  | 50  | 46  | 51  | 50  | 48  | 50  | 53  | 53                | 54           | 56         | 60          | 75             | 68    | 63 | 56 | 21.6  | 88  | 43  | 10.9 | 45  |  |  |  |  |
| 29                         | 62 | 60 | 54 | 54 | 62  | 60  | 59  | 58  | 53  | 54  | 58  | 66  | 63  | 58  | 58  | 58  | 58  | 54                | 58           | 56         | 56          | 55             | 58    | 58 | 58 | 12.0  | 68  | 50  | 8.9  | 18  |  |  |  |  |
| 30                         |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |    |       |     |     |      |     |  |  |  |  |
| 31                         |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |    |       |     |     |      |     |  |  |  |  |
| Среднее по<br>всем дням    | 54 | 53 | 56 | 60 | 64  | 64  | 61  | 53  | 47  | 45  | 46  | 45  | 46  | 45  | 46  | 45  | 44  | 46                | 48           | 47         | 49          | 50             | 52    | 54 | 51 |       | 77  | 21  |      | 55  |  |  |  |  |
| Среднее по<br>сп. дням     | 61 | 62 | 62 | 66 | 69  | 71  | 68  | 60  | 53  | 53  | 54  | 56  | 58  | 59  | 61  | 61  | 60  | 62                | 62           | 63         | 65          | 66             | 66    | 66 | 62 |       | 74  | 47  |      | 27  |  |  |  |  |
| Среднее по<br>возмущ. дням | 47 | 48 | 57 | 62 | 67  | 66  | 61  | 48  | 36  | 24  | 22  | 16  | 14  | 16  | 14  | 4   | 4   | 12                | 24           | 24         | 25          | 21             | 24    | 35 | 32 |       | 87  | -39 |      | 126 |  |  |  |  |
| Сумма по<br>всем дням      |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |    |       |     |     |      |     |  |  |  |  |
| Сумма по<br>сп. дням       |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |    |       |     |     |      |     |  |  |  |  |
| Сумма по<br>возмущ. дням   |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |    |       |     |     |      |     |  |  |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Месяц *Февраль* год *1980* $\bar{I} = 42020^\circ + = \circ =$ 

| Время<br>коровое           |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    | Средн.<br>суточн. | Время<br>тах | Max<br>тум | Mini<br>тум | время<br>миним | Ампл. |    |  | Сумма |    |
|----------------------------|-----|----|----|----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------------------|--------------|------------|-------------|----------------|-------|----|--|-------|----|
|                            | Дни | 1  | 2  | 3  | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23 |                   |              |            |             |                |       |    |  |       | 24 |
| 1                          | 90  | 89 | 89 | 89 | 89  | 91  | 89  | 84 | 76 | 68 | 74 | 80  | 81  | 85  | 85  | 85  | 87  | 89  | 89  | 91  | 89  | 89  | 89  | 89 | 87                | 86           | 5.3        | 92          | 66             | 9.3   | 26 |  |       |    |
| 2                          | 87  | 87 | 87 | 87 | 87  | 91  | 93  | 90 | 80 | 74 | 77 | 80  | 83  | 87  | 86  | 86  | 88  | 88  | 89  | 89  | 89  | 88  | 88  | 88 | 88                | 86           | 6.3        | 94          | 73             | 9.7   | 21 |  |       |    |
| Q 3                        | 88  | 87 | 88 | 87 | 88  | 88  | 84  | 77 | 66 | 60 | 64 | 72  | 77  | 81  | 84  | 84  | 85  | 86  | 86  | 86  | 86  | 86  | 86  | 86 | 86                | 82           | 5.2        | 89          | 59             | 9.6   | 30 |  |       |    |
| 4                          | 86  | 86 | 86 | 85 | 85  | 82  | 71  | 65 | 65 | 60 | 66 | 77  | 79  | 80  | 81  | 83  | 84  | 85  | 86  | 86  | 86  | 86  | 86  | 85 | 85                | 80           | 1.0        | 87          | 59             | 9.4   | 28 |  |       |    |
| Q 5                        | 85  | 85 | 86 | 86 | 87  | 88  | 84  | 79 | 74 | 70 | 73 | 79  | 81  | 83  | 85  | 85  | 86  | 87  | 87  | 87  | 86  | 86  | 85  | 85 | 83                | 5.3          | 89         | 69          | 9.6            | 20    |    |  |       |    |
| D 6                        | 86  | 86 | 86 | 85 | 84  | 84  | 80  | 77 | 76 | 73 | 78 | 87  | 87  | 90  | 96  | 104 | 108 | 108 | 103 | 104 | 104 | 101 | 100 | 99 | 91                | 16.0         | 111        | 71          | 9.8            | 40    |    |  |       |    |
| 7                          | 97  | 97 | 98 | 98 | 103 | 104 | 100 | 94 | 95 | 92 | 90 | 90  | 92  | 91  | 93  | 93  | 94  | 96  | 97  | 98  | 96  | 93  | 94  | 94 | 95                | 5.4          | 105        | 89          | 11.3           | 16    |    |  |       |    |
| D 8                        | 93  | 92 | 92 | 94 | 93  | 93  | 87  | 78 | 75 | 72 | 75 | 82  | 91  | 96  | 97  | 99  | 98  | 99  | 99  | 98  | 96  | 95  | 94  | 93 | 91                | 17.1         | 100        | 69          | 9.6            | 31    |    |  |       |    |
| 9                          | 94  | 93 | 93 | 93 | 90  | 88  | 83  | 81 | 79 | 81 | 86 | 92  | 95  | 93  | 94  | 94  | 95  | 96  | 94  | 94  | 92  | 91  | 90  | 90 | 90                | 18.3         | 98         | 78          | 8.6            | 20    |    |  |       |    |
| Q 10                       | 90  | 90 | 90 | 90 | 91  | 92  | 87  | 80 | 76 | 75 | 78 | 83  | 84  | 86  | 87  | 86  | 88  | 89  | 90  | 90  | 89  | 89  | 88  | 88 | 86                | 5.5          | 93         | 74          | 9.6            | 19    |    |  |       |    |
| 11                         | 88  | 88 | 88 | 88 | 89  | 89  | 82  | 71 | 63 | 64 | 66 | 72  | 77  | 81  | 84  | 84  | 85  | 87  | 88  | 88  | 87  | 87  | 86  | 86 | 82                | 5.4          | 91         | 62          | 8.5            | 29    |    |  |       |    |
| Q 12                       | 86  | 86 | 86 | 87 | 88  | 89  | 86  | 80 | 77 | 78 | 78 | 78  | 79  | 85  | 87  | 85  | 86  | 87  | 87  | 87  | 87  | 86  | 86  | 86 | 84                | 5.1          | 90         | 75          | 8.6            | 15    |    |  |       |    |
| Q 13                       | 86  | 86 | 86 | 86 | 87  | 87  | 78  | 72 | 65 | 61 | 58 | 62  | 72  | 77  | 81  | 81  | 82  | 84  | 84  | 84  | 84  | 84  | 84  | 84 | 79                | 5.3          | 89         | 57          | 10.8           | 32    |    |  |       |    |
| D 14                       | 84  | 84 | 84 | 82 | 80  | 83  | 78  | 72 | 72 | 74 | 78 | 81  | 87  | 91  | 89  | 95  | 100 | 100 | 97  | 97  | 95  | 93  | 92  | 92 | 87                | 17.3         | 102        | 69          | 8.1            | 33    |    |  |       |    |
| D 15                       | 91  | 91 | 90 | 88 | 87  | 88  | 82  | 73 | 64 | 61 | 66 | 74  | 80  | 83  | 84  | 85  | 87  | 88  | 88  | 90  | 93  | 97  | 95  | 88 | 84                | 21.8         | 99         | 60          | 9.2            | 39    |    |  |       |    |
| D 16                       | 91  | 93 | 87 | 87 | 91  | 94  | 98  | 99 | 97 | 94 | 94 | 101 | 106 | 107 | 108 | 106 | 104 | 104 | 103 | 100 | 98  | 98  | 98  | 98 | 98                | 14.1         | 109        | 86          | 2.4            | 23    |    |  |       |    |
| 17                         | 97  | 97 | 97 | 95 | 96  | 97  | 94  | 84 | 82 | 81 | 77 | 81  | 86  | 89  | 90  | 89  | 91  | 93  | 94  | 95  | 94  | 93  | 93  | 93 | 91                | 5.3          | 98         | 77          | 10.8           | 21    |    |  |       |    |
| 18                         | 92  | 91 | 91 | 91 | 96  | 95  | 86  | 79 | 74 | 72 | 73 | 80  | 88  | 92  | 93  | 92  | 94  | 96  | 98  | 100 | 97  | 96  | 94  | 94 | 90                | 19.2         | 101        | 71          | 9.5            | 30    |    |  |       |    |
| 19                         | 90  | 92 | 92 | 92 | 94  | 97  | 95  | 92 | 90 | 86 | 83 | 84  | 87  | 89  | 89  | 90  | 92  | 92  | 92  | 92  | 92  | 91  | 90  | 91 | 91                | 5.9          | 98         | 81          | 11.0           | 17    |    |  |       |    |
| 20                         | 89  | 89 | 89 | 90 | 93  | 93  | 89  | 79 | 74 | 73 | 73 | 76  | 80  | 84  | 86  | 87  | 90  | 90  | 90  | 90  | 90  | 90  | 89  | 89 | 86                | 4.8          | 94         | 72          | 9.9            | 22    |    |  |       |    |
| 21                         | 88  | 88 | 88 | 87 | 89  | 91  | 90  | 86 | 78 | 74 | 72 | 75  | 77  | 80  | 82  | 83  | 84  | 86  | 87  | 87  | 87  | 86  | 86  | 86 | 84                | 5.9          | 92         | 72          | 10.6           | 20    |    |  |       |    |
| 22                         | 85  | 85 | 84 | 83 | 84  | 84  | 81  | 71 | 62 | 62 | 66 | 73  | 78  | 79  | 81  | 82  | 83  | 84  | 85  | 85  | 85  | 85  | 84  | 83 | 80                | 20.9         | 86         | 61          | 9.1            | 25    |    |  |       |    |
| 23                         | 82  | 82 | 83 | 81 | 80  | 84  | 89  | 86 | 82 | 82 | 82 | 79  | 82  | 83  | 86  | 86  | 91  | 93  | 96  | 98  | 96  | 94  | 92  | 90 | 87                | 19.1         | 99         | 78          | 11.6           | 21    |    |  |       |    |
| 24                         | 89  | 89 | 88 | 88 | 89  | 90  | 88  | 82 | 79 | 82 | 80 | 82  | 83  | 85  | 85  | 88  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 86 | 86                | 5.8          | 91         | 77          | 8.3            | 14    |    |  |       |    |
| 25                         | 86  | 86 | 85 | 85 | 88  | 88  | 84  | 75 | 68 | 69 | 71 | 77  | 82  | 83  | 81  | 83  | 85  | 88  | 95  | 96  | 99  | 100 | 98  | 92 | 85                | 21.5         | 100        | 67          | 8.8            | 33    |    |  |       |    |
| 26                         | 93  | 91 | 89 | 89 | 90  | 90  | 84  | 77 | 74 | 72 | 74 | 82  | 86  | 86  | 89  | 90  | 92  | 92  | 92  | 93  | 91  | 91  | 90  | 90 | 87                | 19.1         | 94         | 72          | 9.9            | 22    |    |  |       |    |
| 27                         | 89  | 88 | 88 | 88 | 92  | 96  | 91  | 86 | 80 | 77 | 76 | 84  | 90  | 94  | 92  | 90  | 90  | 91  | 92  | 93  | 92  | 91  | 92  | 91 | 89                | 5.7          | 97         | 74          | 10.1           | 23    |    |  |       |    |
| 28                         | 90  | 90 | 90 | 89 | 89  | 89  | 86  | 79 | 74 | 77 | 80 | 86  | 91  | 85  | 86  | 88  | 88  | 88  | 89  | 90  | 90  | 88  | 87  | 87 | 86                | 12.4         | 93         | 73          | 8.8            | 20    |    |  |       |    |
| 29                         | 87  | 86 | 88 | 87 | 88  | 90  | 82  | 73 | 76 | 79 | 83 | 85  | 89  | 86  | 84  | 86  | 87  | 88  | 89  | 89  | 89  | 89  | 88  | 88 | 86                | 5.8          | 91         | 72          | 7.5            | 19    |    |  |       |    |
| 30                         |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    |                   |              |            |             |                |       |    |  |       |    |
| 31                         |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    |                   |              |            |             |                |       |    |  |       |    |
| Среднее по<br>всем дням    | 89  | 89 | 89 | 88 | 89  | 90  | 86  | 80 | 76 | 74 | 76 | 80  | 84  | 87  | 88  | 89  | 90  | 91  | 91  | 92  | 91  | 91  | 90  | 89 | 87                |              | 96         | 71          |                | 24    |    |  |       |    |
| Среднее по<br>сп. дням     | 87  | 87 | 87 | 87 | 88  | 89  | 84  | 78 | 72 | 69 | 70 | 75  | 79  | 82  | 85  | 84  | 85  | 87  | 87  | 87  | 86  | 86  | 86  | 86 | 83                |              | 90         | 67          |                | 23    |    |  |       |    |
| Среднее по<br>возмущ. дням | 89  | 89 | 88 | 87 | 87  | 88  | 85  | 80 | 77 | 75 | 78 | 85  | 90  | 93  | 95  | 98  | 99  | 99  | 98  | 98  | 97  | 97  | 96  | 94 | 90                |              | 104        | 71          |                | 33    |    |  |       |    |
| Сумма по<br>всем дням      |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    |                   |              |            |             |                |       |    |  |       |    |
| Сумма по<br>сп. дням       |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    |                   |              |            |             |                |       |    |  |       |    |
| Сумма по<br>возмущ. дням   |     |    |    |    |     |     |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |    |                   |              |            |             |                |       |    |  |       |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал *Вержеули Н.Ж.*Проверил *Безситаувили М.А.*

Месяц Март год 1980

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| Время<br>мировое           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>миним | Ампл. |  |  | Сумма |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|
|                            | Дни  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |                   |              |            |             |                |       |  |  |       |
| Q 1                        | 16.9 | 17.1 | 17.6 | 18.9 | 19.9 | 21.2 | 21.0 | 18.0 | 14.8 | 12.6 | 12.0 | 12.0 | 13.3 | 14.4 | 15.0 | 15.2 | 15.4 | 15.7 | 15.9 | 16.2 | 16.3 | 16.3 | 16.5 | 16.7 | 16.2 | 5.9               | 22.0         | 11.8       | 11.1        | 10.2           |       |  |  |       |
| Q 2                        | 16.7 | 16.9 | 17.4 | 18.0 | 19.5 | 21.6 | 22.3 | 21.2 | 17.6 | 15.4 | 14.4 | 13.9 | 14.4 | 15.2 | 15.1 | 15.0 | 15.0 | 15.4 | 16.2 | 15.9 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 6.5               | 22.5         | 13.7       | 11.3        | 8.8            |       |  |  |       |
| 3                          | 16.9 | 16.7 | 16.3 | 16.7 | 18.0 | 19.5 | 19.8 | 18.2 | 15.9 | 13.3 | 11.8 | 11.6 | 12.9 | 13.9 | 15.0 | 15.0 | 15.4 | 16.7 | 16.3 | 15.9 | 15.9 | 16.1 | 16.2 | 15.6 | 15.8 | 6.3               | 20.2         | 11.4       | 11.1        | 8.8            |       |  |  |       |
| 4                          | 15.6 | 15.9 | 16.1 | 16.7 | 18.0 | 19.7 | 20.5 | 19.1 | 16.9 | 15.4 | 15.6 | 15.0 | 15.3 | 14.8 | 14.4 | 14.6 | 14.8 | 15.0 | 15.6 | 15.9 | 15.6 | 16.5 | 17.4 | 16.7 | 16.3 | 6.2               | 20.7         | 14.1       | 14.5        | 6.6            |       |  |  |       |
| 5                          | 16.2 | 15.9 | 15.8 | 16.3 | 17.2 | 18.0 | 18.9 | 18.2 | 16.1 | 15.0 | 15.2 | 14.4 | 14.6 | 15.2 | 15.2 | 15.1 | 15.4 | 15.7 | 16.1 | 16.4 | 16.5 | 16.7 | 16.7 | 16.7 | 16.1 | 6.4               | 19.1         | 13.9       | 12.0        | 5.2            |       |  |  |       |
| 6                          | 16.7 | 16.5 | 16.5 | 16.3 | 17.8 | 18.9 | 19.1 | 17.8 | 15.9 | 13.3 | 13.7 | 13.7 | 13.5 | 14.6 | 15.2 | 15.0 | 15.4 | 15.6 | 15.8 | 16.1 | 16.3 | 16.4 | 16.6 | 16.5 | 16.0 | 6.6               | 19.4         | 12.4       | 9.9         | 7.0            |       |  |  |       |
| 7                          | 16.7 | 16.1 | 16.1 | 16.3 | 17.4 | 18.9 | 18.6 | 16.9 | 13.9 | 12.2 | 11.5 | 12.2 | 13.7 | 15.0 | 14.8 | 14.4 | 15.0 | 15.2 | 16.0 | 16.6 | 16.9 | 17.2 | 16.9 | 16.5 | 15.6 | 5.9               | 19.3         | 10.8       | 10.5        | 8.5            |       |  |  |       |
| 8                          | 16.5 | 16.4 | 16.6 | 16.7 | 18.1 | 19.7 | 20.4 | 17.8 | 15.6 | 14.4 | 13.3 | 14.0 | 14.7 | 15.6 | 15.4 | 15.0 | 15.2 | 15.4 | 15.6 | 15.9 | 16.1 | 16.1 | 16.3 | 16.5 | 16.1 | 6.2               | 20.8         | 12.8       | 10.6        | 8.0            |       |  |  |       |
| 9                          | 16.5 | 16.7 | 17.6 | 18.4 | 20.2 | 21.6 | 21.4 | 18.6 | 14.6 | 12.9 | 12.4 | 13.5 | 15.1 | 16.5 | 15.6 | 15.0 | 16.5 | 16.1 | 15.6 | 15.7 | 15.9 | 15.8 | 16.3 | 16.3 | 16.4 | 5.4               | 22.1         | 12.1       | 10.3        | 10.0           |       |  |  |       |
| 10                         | 16.3 | 16.5 | 16.8 | 17.6 | 19.5 | 20.6 | 20.2 | 18.8 | 16.7 | 14.4 | 13.7 | 13.9 | 14.8 | 16.1 | 15.4 | 14.8 | 14.8 | 15.4 | 15.8 | 15.9 | 16.1 | 16.0 | 16.1 | 16.1 | 16.3 | 5.4               | 20.9         | 12.7       | 10.4        | 8.2            |       |  |  |       |
| 11                         | 15.6 | 16.5 | 16.9 | 17.4 | 18.4 | 19.7 | 19.9 | 18.6 | 15.4 | 12.4 | 12.0 | 12.2 | 13.9 | 15.0 | 15.0 | 14.9 | 15.2 | 15.3 | 15.6 | 15.9 | 16.1 | 16.0 | 16.2 | 16.2 | 15.8 | 6.4               | 20.2         | 11.4       | 10.1        | 8.8            |       |  |  |       |
| Q 12                       | 16.2 | 16.3 | 16.7 | 17.7 | 19.5 | 21.4 | 21.9 | 20.5 | 17.4 | 14.4 | 12.9 | 12.2 | 13.3 | 14.6 | 15.4 | 15.0 | 15.1 | 15.2 | 15.6 | 16.0 | 15.8 | 15.6 | 15.4 | 15.4 | 16.2 | 6.1               | 22.0         | 12.1       | 11.3        | 9.9            |       |  |  |       |
| 13                         | 15.4 | 15.4 | 15.7 | 16.5 | 18.6 | 21.0 | 21.0 | 18.7 | 15.6 | 13.5 | 12.9 | 12.9 | 14.1 | 15.0 | 15.2 | 15.0 | 15.0 | 15.2 | 15.4 | 16.3 | 16.7 | 16.3 | 16.7 | 17.4 | 16.1 | 5.8               | 21.7         | 12.6       | 10.5        | 9.1            |       |  |  |       |
| 14                         | 17.2 | 16.2 | 16.4 | 17.2 | 18.9 | 21.0 | 21.2 | 19.3 | 16.3 | 13.9 | 13.1 | 12.8 | 13.5 | 14.6 | 15.4 | 15.9 | 16.3 | 16.3 | 16.7 | 16.5 | 16.3 | 16.1 | 15.9 | 15.9 | 16.4 | 6.4               | 21.6         | 12.5       | 11.1        | 9.1            |       |  |  |       |
| Q 15                       | 15.8 | 15.6 | 15.8 | 16.5 | 18.6 | 21.4 | 22.1 | 19.9 | 16.3 | 13.6 | 12.6 | 12.4 | 13.5 | 15.0 | 15.7 | 15.0 | 15.0 | 15.4 | 15.9 | 15.6 | 15.9 | 15.9 | 15.9 | 15.6 | 16.0 | 6.2               | 22.4         | 12.0       | 11.2        | 10.4           |       |  |  |       |
| 16                         | 15.5 | 15.9 | 16.2 | 16.7 | 18.9 | 21.4 | 22.3 | 19.7 | 15.4 | 12.0 | 10.7 | 10.7 | 12.2 | 13.9 | 15.0 | 14.8 | 15.0 | 15.4 | 15.4 | 15.6 | 15.6 | 15.4 | 15.9 | 15.9 | 15.6 | 6.4               | 22.6         | 10.2       | 11.3        | 12.4           |       |  |  |       |
| 17                         | 15.6 | 15.6 | 15.6 | 15.9 | 17.6 | 20.2 | 21.4 | 19.9 | 15.8 | 12.4 | 10.7 | 11.4 | 12.9 | 14.4 | 15.2 | 14.8 | 15.0 | 15.1 | 15.4 | 15.6 | 15.9 | 15.9 | 15.6 | 15.6 | 15.6 | 6.6               | 21.7         | 10.6       | 10.1        | 11.1           |       |  |  |       |
| Q 18                       | 15.3 | 15.6 | 15.8 | 16.5 | 19.1 | 21.6 | 21.4 | 18.4 | 14.6 | 12.2 | 10.9 | 10.8 | 12.0 | 13.5 | 14.1 | 14.1 | 14.6 | 14.8 | 15.0 | 15.4 | 15.6 | 15.6 | 15.8 | 15.9 | 15.4 | 5.9               | 22.3         | 10.5       | 11.0        | 11.8           |       |  |  |       |
| 19                         | 15.9 | 15.9 | 16.1 | 16.7 | 18.9 | 21.2 | 21.4 | 17.8 | 15.0 | 12.0 | 10.9 | 11.6 | 13.3 | 13.7 | 13.7 | 12.4 | 13.7 | 14.4 | 15.2 | 15.9 | 15.9 | 16.2 | 16.3 | 16.2 | 15.4 | 6.4               | 22.6         | 10.2       | 10.8        | 12.4           |       |  |  |       |
| 20                         | 16.3 | 16.6 | 16.7 | 17.1 | 18.4 | 19.9 | 20.2 | 18.9 | 15.4 | 12.6 | 11.1 | 10.9 | 12.0 | 13.5 | 14.4 | 14.8 | 15.0 | 15.0 | 15.0 | 15.9 | 15.6 | 15.4 | 15.4 | 15.0 | 15.5 | 6.0               | 20.4         | 10.5       | 11.1        | 9.9            |       |  |  |       |
| D 21                       | 15.6 | 15.9 | 15.9 | 16.5 | 19.5 | 22.1 | 23.6 | 21.6 | 17.4 | 14.6 | 13.2 | 12.8 | 13.7 | 14.4 | 15.6 | 16.2 | 16.7 | 18.0 | 20.6 | 20.6 | 20.8 | 21.2 | 18.6 | 16.5 | 17.6 | 6.6               | 23.9         | 12.3       | 11.3        | 11.6           |       |  |  |       |
| D 22                       | 17.4 | 17.8 | 18.0 | 18.9 | 19.9 | 20.8 | 20.6 | 18.6 | 15.2 | 12.9 | 11.1 | 10.9 | 12.9 | 13.7 | 14.1 | 16.5 | 17.4 | 16.7 | 16.6 | 17.1 | 17.1 | 16.9 | 15.9 | 16.4 | 16.4 | 5.9               | 21.6         | 10.5       | 11.0        | 11.1           |       |  |  |       |
| 23                         | 17.1 | 17.2 | 17.6 | 17.8 | 19.9 | 21.6 | 20.6 | 18.4 | 15.4 | 13.1 | 12.0 | 12.1 | 13.9 | 14.8 | 15.0 | 15.4 | 15.9 | 16.1 | 16.3 | 16.3 | 16.1 | 16.2 | 16.3 | 16.3 | 16.3 | 5.8               | 21.9         | 11.4       | 10.9        | 10.5           |       |  |  |       |
| 24                         | 16.5 | 16.7 | 16.7 | 18.0 | 20.6 | 22.3 | 22.1 | 19.1 | 15.9 | 13.1 | 12.0 | 12.6 | 13.9 | 15.6 | 16.7 | 15.6 | 15.3 | 15.4 | 15.4 | 15.6 | 15.6 | 15.9 | 16.9 | 16.5 | 16.4 | 5.7               | 22.6         | 11.4       | 10.7        | 11.2           |       |  |  |       |
| 25                         | 16.5 | 16.3 | 16.7 | 17.8 | 20.1 | 22.1 | 21.9 | 18.9 | 15.0 | 11.8 | 10.3 | 10.3 | 11.8 | 13.1 | 13.9 | 13.7 | 13.9 | 14.1 | 14.4 | 14.8 | 15.6 | 17.2 | 19.3 | 19.7 | 15.8 | 5.9               | 22.5         | 9.9        | 10.9        | 12.6           |       |  |  |       |
| D 26                       | 19.3 | 19.3 | 18.4 | 17.6 | 21.0 | 22.3 | 21.9 | 19.7 | 16.9 | 15.0 | 13.5 | 12.0 | 13.1 | 16.1 | 16.9 | 16.4 | 16.7 | 17.6 | 18.0 | 18.9 | 18.4 | 17.4 | 17.4 | 15.2 | 17.5 | 5.3               | 23.9         | 11.1       | 11.6        | 12.8           |       |  |  |       |
| 27                         | 16.9 | 17.7 | 18.2 | 19.8 | 22.3 | 24.0 | 23.4 | 20.4 | 16.7 | 13.9 | 12.2 | 12.0 | 12.8 | 14.4 | 15.9 | 16.1 | 16.3 | 16.3 | 16.5 | 16.7 | 17.2 | 17.4 | 17.4 | 17.4 | 17.2 | 5.8               | 24.3         | 11.8       | 10.9        | 12.5           |       |  |  |       |
| 28                         | 17.4 | 17.2 | 17.6 | 18.2 | 21.2 | 23.6 | 23.2 | 20.6 | 15.6 | 11.9 | 9.4  | 9.2  | 11.6 | 13.5 | 14.8 | 14.7 | 15.2 | 15.3 | 15.6 | 15.8 | 15.6 | 15.9 | 15.9 | 16.1 | 16.1 | 5.8               | 24.1         | 8.7        | 11.2        | 15.4           |       |  |  |       |
| 29                         | 16.1 | 16.1 | 16.9 | 18.6 | 21.9 | 24.0 | 22.9 | 19.3 | 14.4 | 10.9 | 10.3 | 10.5 | 12.2 | 14.6 | 16.1 | 16.7 | 15.9 | 15.6 | 15.9 | 16.0 | 16.7 | 17.4 | 17.4 | 16.9 | 16.4 | 5.6               | 24.6         | 10.1       | 10.9        | 14.5           |       |  |  |       |
| D 30                       | 15.9 | 15.9 | 16.7 | 19.1 | 22.3 | 24.9 | 25.3 | 22.3 | 17.8 | 15.0 | 12.4 | 11.2 | 12.4 | 14.8 | 16.8 | 16.5 | 16.2 | 16.5 | 16.3 | 16.4 | 16.7 | 16.8 | 16.9 | 16.9 | 17.2 | 6.2               | 26.3         | 10.9       | 11.7        | 15.4           |       |  |  |       |
| D 31                       | 16.7 | 16.9 | 17.2 | 18.0 | 21.2 | 23.2 | 21.6 | 17.4 | 13.9 | 10.8 | 9.9  | 10.3 | 13.3 | 15.0 | 16.7 | 16.3 | 16.3 | 15.9 | 15.6 | 16.4 | 17.1 | 17.5 | 18.6 | 19.1 | 16.5 | 5.6               | 23.8         | 8.5        | 11.4        | 15.3           |       |  |  |       |
| Среднее по<br>всем дням    | 16.4 | 16.5 | 16.7 | 17.4 | 19.4 | 21.3 | 21.4 | 19.1 | 15.8 | 13.3 | 12.2 | 12.1 | 13.4 | 14.7 | 15.2 | 15.2 | 15.4 | 15.7 | 16.0 | 16.3 | 16.4 | 16.5 | 16.6 | 16.5 | 16.2 |                   | 22.1         | 11.4       |             | 10.6           |       |  |  |       |
| Среднее по<br>сп. дням     | 16.2 | 16.3 | 16.7 | 17.5 | 19.3 | 21.4 | 21.7 | 19.6 | 16.1 | 13.6 | 12.6 | 12.3 | 13.3 | 14.5 | 15.1 | 14.9 | 15.0 | 15.3 | 15.7 | 15.8 | 15.9 | 15.9 | 16.0 | 16.0 | 16.1 |                   | 22.2         | 12.0       |             | 10.2           |       |  |  |       |
| Среднее по<br>возмущ. дням | 17.0 | 17.2 | 17.2 | 18.0 | 20.8 | 22.7 | 22.6 | 19.9 | 16.2 | 13.7 | 12.0 | 11.4 | 13.1 | 14.8 | 16.0 | 16.4 | 16.7 | 16.9 | 17.4 | 17.9 | 18.0 | 18.0 | 17.5 | 16.8 | 17.0 |                   | 23.9         | 10.7       |             | 13.2           |       |  |  |       |
| Сумма по<br>всем дням      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>сп. дням       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |  |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Другие причины отсутств. записи. Величины, взятые приблизительно с магнитограммы—( )

Обработал Безситашвили Т.А. Проверил а Эбремидзе М.А.



Месяц Март год 1980

 $H = 24110^{\circ} + =$ 

| Время<br>иروز              |  |    |    |    |    |    |    |     |     |     |     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>tim | Mini<br>tim | время<br>minim | Ампл. |  |  | Сумма |
|----------------------------|--|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|
| Дни                        |  | 1  | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9   | 10  | 11  | 12 | 13 | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |                   |              |            |             |                |       |  |  |       |
| Q 1                        |  | 59 | 61 | 62 | 57 | 56 | 55 | 50  | 45  | 44  | 52  | 57  | 61 | 64 | 64  | 64 | 62 | 60 | 60 | 60 | 62 | 60 | 62 | 62 | 63 | 58 | 14.1              | 68           | 40         | 8.3         | 28             |       |  |  |       |
| Q 2                        |  | 64 | 64 | 63 | 64 | 64 | 60 | 52  | 52  | 57  | 58  | 62  | 69 | 70 | 71  | 70 | 70 | 69 | 68 | 72 | 72 | 73 | 71 | 69 | 69 | 66 | 20.3              | 74           | 46         | 6.9         | 28             |       |  |  |       |
| 3                          |  | 69 | 69 | 69 | 78 | 82 | 83 | 82  | 76  | 70  | 68  | 72  | 76 | 75 | 74  | 70 | 70 | 64 | 54 | 66 | 74 | 69 | 72 | 70 | 70 | 72 | 5.3               | 86           | 48         | 17.4        | 38             |       |  |  |       |
| 4                          |  | 72 | 73 | 75 | 77 | 78 | 76 | 75  | 74  | 70  | 66  | 64  | 68 | 66 | 66  | 70 | 70 | 70 | 72 | 74 | 75 | 74 | 70 | 70 | 68 | 71 | 3.9               | 80           | 58         | 10.1        | 22             |       |  |  |       |
| 5                          |  | 68 | 66 | 66 | 70 | 76 | 81 | 77  | 76  | 68  | 67  | 63  | 56 | 54 | 56  | 53 | 57 | 62 | 64 | 67 | 66 | 67 | 67 | 66 | 64 | 66 | 5.6               | 84           | 51         | 14.7        | 33             |       |  |  |       |
| 6                          |  | 69 | 74 | 71 | 75 | 75 | 64 | 68  | 75  | 76  | 82  | 70  | 63 | 66 | 64  | 60 | 61 | 63 | 63 | 67 | 66 | 69 | 67 | 68 | 69 | 69 | 9.5               | 87           | 54         | 11.1        | 33             |       |  |  |       |
| 7                          |  | 67 | 70 | 74 | 71 | 76 | 85 | 90  | 92  | 87  | 88  | 88  | 86 | 80 | 70  | 66 | 63 | 66 | 66 | 69 | 70 | 68 | 68 | 69 | 66 | 75 | 10.1              | 94           | 61         | 16.2        | 33             |       |  |  |       |
| 8                          |  | 66 | 69 | 70 | 75 | 78 | 74 | 63  | 62  | 69  | 76  | 76  | 69 | 72 | 64  | 63 | 62 | 63 | 64 | 63 | 66 | 66 | 70 | 66 | 66 | 68 | 10.1              | 82           | 60         | 14.9        | 22             |       |  |  |       |
| 9                          |  | 69 | 69 | 67 | 66 | 63 | 60 | 50  | 39  | 38  | 52  | 68  | 75 | 72 | 60  | 56 | 58 | 56 | 64 | 66 | 68 | 69 | 70 | 72 | 70 | 62 | 11.6              | 78           | 34         | 7.9         | 44             |       |  |  |       |
| 10                         |  | 69 | 70 | 71 | 70 | 70 | 69 | 60  | 63  | 58  | 66  | 64  | 70 | 74 | 67  | 64 | 64 | 65 | 66 | 64 | 67 | 69 | 69 | 68 | 69 | 67 | 12.1              | 78           | 56         | 8.2         | 22             |       |  |  |       |
| 11                         |  | 72 | 72 | 70 | 69 | 70 | 66 | 57  | 51  | 52  | 58  | 57  | 70 | 70 | 72  | 69 | 64 | 66 | 67 | 68 | 69 | 70 | 69 | 68 | 67 | 66 | 1.0               | 77           | 49         | 7.3         | 28             |       |  |  |       |
| Q 12                       |  | 69 | 69 | 70 | 75 | 76 | 73 | 66  | 60  | 53  | 53  | 57  | 64 | 68 | 70  | 72 | 70 | 72 | 76 | 75 | 72 | 75 | 75 | 76 | 78 | 69 | 23.5              | 80           | 52         | 9.5         | 28             |       |  |  |       |
| 13                         |  | 78 | 81 | 83 | 90 | 90 | 88 | 76  | 64  | 54  | 56  | 60  | 63 | 68 | 72  | 74 | 74 | 72 | 72 | 74 | 72 | 75 | 75 | 74 | 74 | 73 | 3.3               | 94           | 48         | 8.7         | 46             |       |  |  |       |
| 14                         |  | 62 | 63 | 68 | 68 | 63 | 64 | 63  | 62  | 58  | 58  | 60  | 65 | 68 | 65  | 62 | 60 | 63 | 68 | 64 | 66 | 69 | 68 | 68 | 68 | 64 | 20.9              | 70           | 56         | 9.5         | 14             |       |  |  |       |
| Q 15                       |  | 68 | 70 | 73 | 77 | 78 | 76 | 73  | 76  | 80  | 83  | 86  | 86 | 82 | 79  | 72 | 69 | 71 | 70 | 72 | 74 | 73 | 70 | 73 | 75 | 75 | 11.3              | 88           | 67         | 0.1         | 21             |       |  |  |       |
| 16                         |  | 80 | 80 | 81 | 87 | 86 | 82 | 81  | 84  | 82  | 85  | 78  | 75 | 86 | 80  | 75 | 73 | 76 | 73 | 78 | 81 | 80 | 76 | 75 | 74 | 80 | 3.8               | 90           | 70         | 15.5        | 20             |       |  |  |       |
| 17                         |  | 75 | 78 | 79 | 83 | 87 | 87 | 88  | 93  | 94  | 93  | 82  | 84 | 87 | 80  | 72 | 66 | 69 | 70 | 70 | 72 | 70 | 70 | 72 | 74 | 79 | 9.8               | 99           | 64         | 15.1        | 35             |       |  |  |       |
| Q 18                       |  | 76 | 75 | 79 | 82 | 80 | 74 | 74  | 76  | 75  | 74  | 78  | 81 | 80 | 75  | 72 | 73 | 74 | 76 | 76 | 76 | 78 | 76 | 75 | 78 | 76 | 3.7               | 84           | 70         | 14.8        | 14             |       |  |  |       |
| 19                         |  | 78 | 78 | 80 | 86 | 92 | 92 | 114 | 118 | 105 | 110 | 102 | 80 | 68 | 75  | 80 | 86 | 70 | 74 | 70 | 72 | 78 | 74 | 75 | 74 | 85 | 7.4               | 129          | 63         | 12.6        | 66             |       |  |  |       |
| 20                         |  | 74 | 75 | 78 | 82 | 85 | 88 | 89  | 89  | 82  | 80  | 78  | 76 | 72 | 69  | 66 | 66 | 72 | 75 | 79 | 81 | 82 | 81 | 76 | 82 | 78 | 6.7               | 92           | 63         | 15.2        | 29             |       |  |  |       |
| D 21                       |  | 84 | 82 | 82 | 83 | 75 | 68 | 63  | 51  | 33  | 34  | 32  | 34 | 34 | 26  | 15 | 9  | 13 | 18 | 10 | 14 | 46 | 43 | 34 | 54 | 43 | 0.1               | 90           | 1          | 18.4        | 89             |       |  |  |       |
| D 22                       |  | 52 | 52 | 53 | 56 | 51 | 48 | 46  | 56  | 58  | 69  | 64  | 45 | 20 | 8   | 19 | 27 | 50 | 49 | 48 | 48 | 51 | 50 | 66 | 62 | 48 | 9.5               | 81           | 4          | 13.5        | 77             |       |  |  |       |
| 23                         |  | 50 | 49 | 52 | 52 | 53 | 50 | 54  | 58  | 58  | 56  | 56  | 57 | 55 | 54  | 52 | 48 | 50 | 55 | 60 | 62 | 63 | 62 | 62 | 61 | 55 | 19.0              | 65           | 45         | 1.0         | 20             |       |  |  |       |
| 24                         |  | 62 | 66 | 68 | 70 | 75 | 75 | 68  | 68  | 66  | 68  | 63  | 66 | 68 | 60  | 51 | 51 | 62 | 66 | 68 | 70 | 69 | 68 | 66 | 69 | 66 | 4.8               | 79           | 44         | 15.1        | 35             |       |  |  |       |
| 25                         |  | 70 | 73 | 74 | 75 | 71 | 64 | 60  | 58  | 60  | 62  | 64  | 69 | 70 | 75  | 78 | 80 | 80 | 81 | 84 | 85 | 79 | 68 | 63 | 51 | 71 | 18.4              | 89           | 44         | 23.9        | 45             |       |  |  |       |
| D 26                       |  | 56 | 52 | 50 | 63 | 40 | 42 | 28  | 17  | 15  | 9   | 9   | 9  | 2  | -10 | 18 | 27 | 27 | 31 | 33 | 33 | 38 | 37 | 38 | 46 | 30 | 3.1               | 79           | -18        | 13.4        | 97             |       |  |  |       |
| 27                         |  | 39 | 32 | 34 | 36 | 30 | 24 | 16  | 16  | 21  | 22  | 28  | 38 | 48 | 52  | 54 | 49 | 48 | 51 | 53 | 53 | 51 | 51 | 56 | 56 | 40 | 22.9              | 62           | 13         | 8.0         | 49             |       |  |  |       |
| 28                         |  | 51 | 56 | 58 | 57 | 62 | 64 | 54  | 63  | 70  | 73  | 72  | 70 | 62 | 67  | 68 | 68 | 64 | 64 | 68 | 68 | 72 | 70 | 69 | 69 | 65 | 8.4               | 75           | 46         | 0.6         | 29             |       |  |  |       |
| 29                         |  | 68 | 69 | 66 | 66 | 64 | 50 | 44  | 49  | 57  | 66  | 73  | 76 | 75 | 69  | 61 | 57 | 64 | 65 | 62 | 63 | 56 | 57 | 54 | 54 | 62 | 11.5              | 78           | 40         | 6.3         | 38             |       |  |  |       |
| D 30                       |  | 68 | 66 | 68 | 62 | 60 | 38 | 14  | 6   | 20  | 31  | 39  | 40 | 39 | 42  | 48 | 51 | 52 | 53 | 54 | 56 | 57 | 56 | 56 | 57 | 47 | 23.9              | 93           | 1          | 7.9         | 92             |       |  |  |       |
| D 31                       |  | 75 | 76 | 73 | 60 | 76 | 60 | 47  | 33  | 20  | 30  | 44  | 40 | 32 | 50  | 40 | 42 | 48 | 54 | 58 | 57 | 55 | 54 | 50 | 44 | 51 | 0.1               | 90           | 12         | 8.9         | 78             |       |  |  |       |
| Среднее по<br>всем дням    |  | 67 | 68 | 69 | 70 | 70 | 67 | 63  | 61  | 60  | 63  | 63  | 64 | 63 | 61  | 60 | 60 | 61 | 63 | 64 | 65 | 67 | 66 | 65 | 66 | 64 |                   | 84           | 43         |             | 40             |       |  |  |       |
| Среднее по<br>сп. дням     |  | 67 | 68 | 69 | 71 | 71 | 68 | 63  | 62  | 62  | 64  | 68  | 72 | 73 | 72  | 70 | 69 | 69 | 70 | 71 | 71 | 72 | 71 | 71 | 73 | 69 |                   | 79           | 55         |             | 24             |       |  |  |       |
| Среднее по<br>возмущ. дням |  | 67 | 66 | 65 | 65 | 60 | 51 | 40  | 33  | 29  | 35  | 38  | 34 | 25 | 23  | 28 | 31 | 38 | 41 | 41 | 42 | 49 | 48 | 49 | 53 | 44 |                   | 87           | 0          |             | 87             |       |  |  |       |
| Сумма по<br>всем дням      |  |    |    |    |    |    |    |     |     |     |     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>сп. дням       |  |    |    |    |    |    |    |     |     |     |     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |  |    |    |    |    |    |    |     |     |     |     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |



Месяц Март год 1980

 $\bar{I} = 42020^\circ + \quad = \quad = \quad =$ 

| Время<br>кировое           |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Min<br>тит | время<br>минит | Ампл. |    |    | Сумма |     |    |      |    |    |    |    |
|----------------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------|--------------|------------|------------|----------------|-------|----|----|-------|-----|----|------|----|----|----|----|
|                            | Дни | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |                   |              |            |            |                |       |    |    |       | 17  | 18 | 19   | 20 | 21 | 22 | 23 |
| Q 1                        | 89  | 89 | 89 | 91 | 93 | 89 | 79 | 69 | 67 | 70 | 72 | 74 | 77 | 82 | 84 | 85 | 86 | 86                | 87           | 88         | 87         | 87             | 87    | 87 | 83 | 4.2   | 94  | 66 | 8.1  | 28 |    |    |    |
| Q 2                        | 87  | 86 | 87 | 89 | 90 | 88 | 80 | 68 | 65 | 66 | 70 | 77 | 83 | 84 | 83 | 83 | 83 | 85                | 85           | 86         | 85         | 85             | 85    | 85 | 82 | 4.5   | 91  | 64 | 7.9  | 27 |    |    |    |
| 3                          | 85  | 85 | 85 | 84 | 85 | 85 | 80 | 71 | 68 | 69 | 73 | 77 | 82 | 83 | 82 | 82 | 84 | 87                | 86           | 85         | 86         | 85             | 85    | 85 | 82 | 17.4  | 88  | 67 | 8.2  | 21 |    |    |    |
| 4                          | 84  | 84 | 84 | 84 | 89 | 91 | 83 | 76 | 72 | 67 | 66 | 73 | 75 | 77 | 80 | 80 | 81 | 83                | 84           | 84         | 85         | 85             | 85    | 84 | 81 | 5.4   | 92  | 65 | 10.2 | 27 |    |    |    |
| 5                          | 84  | 84 | 84 | 83 | 85 | 85 | 81 | 75 | 69 | 65 | 65 | 66 | 70 | 75 | 80 | 82 | 84 | 85                | 84           | 85         | 85         | 84             | 85    | 85 | 80 | 5.1   | 86  | 63 | 10.4 | 23 |    |    |    |
| 6                          | 84  | 83 | 83 | 83 | 87 | 87 | 80 | 75 | 70 | 70 | 70 | 70 | 73 | 80 | 82 | 82 | 84 | 85                | 85           | 86         | 86         | 86             | 85    | 85 | 81 | 5.2   | 89  | 68 | 9.6  | 21 |    |    |    |
| 7                          | 85  | 85 | 85 | 85 | 85 | 83 | 74 | 66 | 60 | 60 | 65 | 75 | 83 | 82 | 80 | 80 | 82 | 84                | 84           | 84         | 84         | 84             | 84    | 84 | 79 | 4.4   | 86  | 59 | 8.7  | 27 |    |    |    |
| 8                          | 84  | 84 | 84 | 85 | 90 | 89 | 82 | 72 | 66 | 67 | 72 | 75 | 80 | 83 | 81 | 82 | 83 | 84                | 84           | 85         | 85         | 84             | 84    | 85 | 81 | 4.8   | 91  | 65 | 9.3  | 26 |    |    |    |
| 9                          | 84  | 84 | 85 | 88 | 92 | 90 | 80 | 68 | 59 | 59 | 65 | 71 | 75 | 78 | 78 | 80 | 84 | 84                | 84           | 84         | 84         | 84             | 84    | 84 | 80 | 5.1   | 94  | 57 | 9.0  | 37 |    |    |    |
| 10                         | 84  | 84 | 84 | 87 | 90 | 90 | 81 | 75 | 71 | 68 | 70 | 73 | 79 | 80 | 79 | 80 | 82 | 83                | 83           | 84         | 84         | 84             | 84    | 84 | 81 | 4.8   | 92  | 67 | 9.5  | 25 |    |    |    |
| 11                         | 84  | 83 | 83 | 84 | 87 | 87 | 81 | 71 | 64 | 66 | 70 | 71 | 76 | 81 | 82 | 84 | 83 | 83                | 84           | 84         | 84         | 84             | 84    | 84 | 80 | 5.1   | 88  | 63 | 8.6  | 25 |    |    |    |
| Q 12                       | 84  | 84 | 84 | 86 | 89 | 88 | 81 | 71 | 64 | 62 | 65 | 73 | 79 | 82 | 81 | 80 | 81 | 81                | 82           | 82         | 82         | 82             | 82    | 82 | 79 | 4.9   | 90  | 61 | 9.7  | 29 |    |    |    |
| 13                         | 81  | 81 | 81 | 85 | 90 | 90 | 81 | 72 | 69 | 70 | 73 | 78 | 83 | 82 | 79 | 80 | 81 | 81                | 82           | 83         | 83         | 83             | 83    | 82 | 81 | 5.2   | 92  | 68 | 8.3  | 24 |    |    |    |
| 14                         | 83  | 83 | 84 | 87 | 89 | 86 | 75 | 66 | 59 | 59 | 62 | 67 | 73 | 78 | 80 | 82 | 83 | 83                | 84           | 84         | 83         | 84             | 83    | 83 | 78 | 4.7   | 90  | 57 | 9.2  | 33 |    |    |    |
| Q 15                       | 83  | 83 | 82 | 84 | 88 | 88 | 75 | 62 | 55 | 55 | 58 | 64 | 74 | 80 | 80 | 79 | 80 | 81                | 81           | 82         | 82         | 83             | 82    | 83 | 77 | 5.2   | 91  | 53 | 9.2  | 38 |    |    |    |
| 16                         | 81  | 81 | 81 | 82 | 85 | 85 | 71 | 57 | 48 | 44 | 51 | 59 | 67 | 75 | 79 | 77 | 78 | 80                | 80           | 80         | 81         | 81             | 81    | 81 | 74 | 5.3   | 86  | 43 | 9.3  | 43 |    |    |    |
| 17                         | 80  | 80 | 80 | 82 | 86 | 86 | 79 | 66 | 60 | 57 | 61 | 67 | 77 | 81 | 80 | 79 | 80 | 80                | 81           | 81         | 82         | 82             | 81    | 81 | 77 | 5.0   | 88  | 56 | 9.8  | 32 |    |    |    |
| Q 18                       | 81  | 81 | 81 | 84 | 90 | 88 | 73 | 62 | 56 | 54 | 56 | 62 | 70 | 74 | 78 | 77 | 78 | 79                | 80           | 81         | 81         | 81             | 81    | 81 | 75 | 5.0   | 92  | 53 | 9.7  | 39 |    |    |    |
| 19                         | 81  | 81 | 81 | 83 | 85 | 82 | 65 | 51 | 47 | 45 | 50 | 57 | 66 | 70 | 72 | 75 | 78 | 79                | 81           | 81         | 81         | 81             | 81    | 81 | 72 | 4.5   | 86  | 43 | 9.4  | 43 |    |    |    |
| 20                         | 80  | 81 | 80 | 81 | 85 | 83 | 79 | 72 | 66 | 62 | 61 | 68 | 76 | 81 | 80 | 79 | 79 | 80                | 80           | 80         | 80         | 80             | 80    | 80 | 77 | 4.8   | 86  | 60 | 10.3 | 26 |    |    |    |
| D 21                       | 79  | 80 | 80 | 83 | 89 | 89 | 80 | 71 | 65 | 62 | 67 | 76 | 82 | 89 | 91 | 91 | 95 | 97                | 99           | 97         | 91         | 89             | 90    | 88 | 84 | 18.3  | 100 | 61 | 9.1  | 39 |    |    |    |
| D 22                       | 86  | 87 | 88 | 88 | 87 | 82 | 73 | 65 | 58 | 58 | 65 | 75 | 84 | 89 | 87 | 88 | 89 | 90                | 89           | 90         | 90         | 89             | 86    | 86 | 82 | 17.2  | 91  | 56 | 9.5  | 35 |    |    |    |
| 23                         | 86  | 86 | 88 | 89 | 87 | 81 | 72 | 63 | 56 | 57 | 61 | 71 | 79 | 83 | 81 | 82 | 85 | 84                | 84           | 85         | 85         | 85             | 85    | 85 | 79 | 3.6   | 90  | 55 | 8.4  | 35 |    |    |    |
| 24                         | 84  | 84 | 85 | 86 | 85 | 80 | 71 | 59 | 53 | 56 | 62 | 69 | 77 | 82 | 82 | 83 | 83 | 82                | 83           | 83         | 84         | 84             | 84    | 83 | 78 | 3.8   | 88  | 52 | 8.3  | 36 |    |    |    |
| 25                         | 82  | 82 | 83 | 85 | 89 | 90 | 78 | 61 | 49 | 49 | 57 | 65 | 73 | 79 | 80 | 79 | 79 | 80                | 81           | 81         | 83         | 85             | 84    | 85 | 77 | 5.1   | 91  | 47 | 8.7  | 44 |    |    |    |
| D 26                       | 84  | 83 | 86 | 85 | 90 | 85 | 74 | 69 | 67 | 67 | 68 | 76 | 88 | 95 | 90 | 89 | 89 | 92                | 93           | 93         | 91         | 91             | 90    | 89 | 84 | 13.7  | 96  | 66 | 10.0 | 30 |    |    |    |
| 27                         | 88  | 89 | 92 | 97 | 99 | 92 | 81 | 69 | 62 | 67 | 73 | 77 | 84 | 89 | 90 | 87 | 86 | 87                | 87           | 88         | 89         | 88             | 87    | 87 | 85 | 4.3   | 100 | 61 | 8.5  | 39 |    |    |    |
| 28                         | 87  | 87 | 87 | 91 | 93 | 87 | 77 | 65 | 50 | 40 | 43 | 57 | 73 | 83 | 83 | 81 | 82 | 82                | 82           | 83         | 83         | 84             | 84    | 84 | 77 | 4.6   | 94  | 38 | 9.8  | 56 |    |    |    |
| 29                         | 83  | 84 | 86 | 91 | 94 | 92 | 81 | 65 | 56 | 57 | 62 | 69 | 78 | 83 | 83 | 81 | 82 | 82                | 83           | 84         | 85         | 84             | 83    | 84 | 80 | 4.7   | 95  | 54 | 8.9  | 41 |    |    |    |
| D 30                       | 82  | 83 | 84 | 90 | 95 | 95 | 88 | 79 | 69 | 66 | 69 | 75 | 79 | 83 | 85 | 82 | 84 | 84                | 85           | 85         | 86         | 87             | 86    | 86 | 83 | 5.2   | 96  | 65 | 9.2  | 31 |    |    |    |
| D 31                       | 84  | 83 | 86 | 93 | 94 | 88 | 72 | 60 | 53 | 54 | 61 | 73 | 82 | 83 | 86 | 85 | 86 | 86                | 86           | 87         | 87         | 87             | 87    | 87 | 80 | 3.9   | 95  | 52 | 8.8  | 43 |    |    |    |
| Среднее по<br>всем дням    | 84  | 84 | 84 | 86 | 89 | 87 | 78 | 67 | 61 | 60 | 64 | 70 | 77 | 81 | 82 | 82 | 83 | 84                | 84           | 85         | 85         | 85             | 84    | 84 | 80 |       | 91  | 58 |      | 33 |    |    |    |
| Среднее по<br>сп. дням     | 85  | 85 | 85 | 87 | 90 | 88 | 78 | 66 | 61 | 61 | 64 | 70 | 77 | 80 | 81 | 81 | 82 | 82                | 83           | 84         | 83         | 84             | 83    | 84 | 79 |       | 92  | 59 |      | 32 |    |    |    |
| Среднее по<br>возмущ. дням | 83  | 83 | 85 | 88 | 91 | 88 | 77 | 69 | 62 | 61 | 66 | 75 | 83 | 88 | 88 | 87 | 89 | 90                | 90           | 90         | 89         | 89             | 88    | 87 | 83 |       | 96  | 60 |      | 36 |    |    |    |
| Сумма по<br>всем дням      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |            |                |       |    |    |       |     |    |      |    |    |    |    |
| Сумма по<br>сп. дням       |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |            |                |       |    |    |       |     |    |      |    |    |    |    |
| Сумма по<br>возмущ. дням   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |            |                |       |    |    |       |     |    |      |    |    |    |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Вержеули Н. Ж.Проверил Белситаишвили Н. Я.

Месяц Апрель год 1980 $\Phi = 4^{\circ}43'.0 +$ 

| Время<br>жировое        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |  |  | Сумма |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|
|                         | Дни  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |                   |              |            |             |                |       |  |  |       |
| Q 1                     | 18.8 | 19.0 | 18.5 | 19.2 | 21.8 | 24.5 | 24.1 | 21.1 | 16.6 | 12.3 | 9.8  | 10.0 | 11.7 | 14.9 | 17.7 | 17.5 | 17.3 | 17.2 | 17.5 | 17.3 | 16.8 | 16.8 | 16.8 | 16.7 | 17.2 | 5.9               | 25.0         | 9.1        | 10.9        | 15.9           |       |  |  |       |
| Q 2                     | 16.6 | 16.6 | 16.6 | 17.9 | 21.1 | 23.9 | 23.7 | 20.5 | 16.2 | 12.3 | 10.6 | 11.5 | 13.6 | 15.5 | 16.6 | 15.5 | 15.1 | 15.3 | 15.5 | 16.0 | 16.2 | 16.1 | 16.3 | 16.6 | 16.5 | 5.9               | 24.5         | 10.4       | 10.6        | 14.1           |       |  |  |       |
| 3                       | 16.2 | 16.2 | 16.4 | 17.5 | 20.3 | 22.0 | 23.5 | 21.5 | 15.8 | 11.5 | 10.2 | 10.9 | 12.5 | 14.3 | 15.1 | 14.9 | 14.7 | 16.2 | 17.4 | 16.4 | 15.9 | 16.1 | 16.1 | 16.2 | 16.2 | 6.7               | 23.8         | 9.9        | 10.2        | 13.9           |       |  |  |       |
| 4                       | 16.4 | 16.6 | 16.6 | 17.9 | 20.5 | 23.1 | 23.1 | 20.5 | 16.8 | 13.4 | 11.3 | 11.5 | 12.3 | 14.3 | 16.6 | 18.1 | 17.3 | 17.1 | 16.8 | 17.9 | 16.8 | 16.4 | 16.1 | 16.2 | 16.8 | 6.3               | 23.6         | 10.5       | 10.8        | 13.1           |       |  |  |       |
| 5                       | 16.4 | 16.2 | 16.4 | 18.1 | 21.5 | 24.3 | 23.9 | 19.6 | 14.5 | 11.0 | 8.9  | 8.7  | 10.6 | 13.2 | 15.1 | 16.2 | 16.8 | 17.5 | 16.4 | 16.1 | 16.2 | 16.5 | 16.4 | 16.6 | 16.1 | 5.8               | 25.3         | 8.2        | 11.5        | 17.1           |       |  |  |       |
| D 6                     | 16.6 | 16.6 | 16.5 | 17.1 | 19.8 | 22.6 | 22.8 | 20.9 | 16.8 | 12.3 | 10.1 | 7.6  | 8.9  | 11.5 | 14.7 | 17.3 | 18.1 | 17.9 | 19.1 | 18.1 | 16.8 | 16.8 | 17.3 | 17.3 | 16.4 | 6.3               | 23.3         | 6.7        | 11.1        | 16.6           |       |  |  |       |
| 7                       | 16.2 | 17.1 | 17.5 | 19.1 | 22.2 | 23.7 | 22.8 | 19.6 | 15.5 | 11.7 | 9.5  | 10.1 | 11.7 | 14.0 | 16.6 | 16.1 | 15.5 | 15.7 | 16.0 | 19.0 | 17.3 | 17.3 | 17.5 | 17.5 | 16.6 | 5.8               | 25.0         | 9.1        | 10.7        | 15.9           |       |  |  |       |
| 8                       | 17.7 | 16.9 | 17.9 | 19.2 | 22.0 | 24.3 | 22.6 | 19.0 | 13.8 | 10.6 | 9.1  | 9.8  | 13.0 | 15.3 | 16.0 | 15.5 | 15.5 | 16.4 | 16.0 | 16.0 | 16.3 | 16.6 | 16.6 | 16.6 | 16.4 | 5.5               | 25.2         | 8.7        | 10.7        | 16.5           |       |  |  |       |
| 9                       | 17.1 | 17.5 | 17.4 | 18.1 | 19.8 | 20.7 | 19.6 | 17.7 | 13.8 | 11.0 | 10.7 | 11.5 | 14.0 | 16.4 | 16.4 | 17.9 | 18.1 | 16.2 | 16.4 | 16.7 | 16.6 | 16.6 | 17.1 | 16.6 | 16.4 | 5.5               | 22.2         | 10.1       | 10.7        | 12.1           |       |  |  |       |
| D 10                    | 16.8 | 17.5 | 18.7 | 19.4 | 21.5 | 23.7 | 21.3 | 18.1 | 15.5 | 14.2 | 11.7 | 12.8 | 13.0 | 13.2 | 14.7 | 15.7 | 16.4 | 16.6 | 16.2 | 16.8 | 17.1 | 17.5 | 17.7 | 18.1 | 16.8 | 5.2               | 24.6         | 10.8       | 10.6        | 13.8           |       |  |  |       |
| D 11                    | 18.8 | 19.1 | 18.8 | 19.1 | 21.8 | 23.9 | 24.3 | 20.7 | 16.0 | 11.7 | 10.6 | 10.6 | 11.0 | 13.0 | 14.7 | 16.1 | 16.6 | 20.1 | 21.5 | 22.0 | 23.7 | 23.1 | 20.1 | 19.7 | 18.2 | 20.7              | 27.0         | 10.1       | 10.9        | 16.9           |       |  |  |       |
| D 12                    | 20.4 | 18.5 | 19.4 | 19.6 | 22.4 | 23.5 | 22.2 | 18.8 | 15.7 | 11.9 | 10.6 | 10.8 | 13.0 | 14.3 | 15.5 | 16.7 | 19.8 | 19.8 | 18.5 | 17.5 | 17.1 | 17.0 | 16.6 | 19.8 | 17.5 | 5.6               | 24.1         | 10.4       | 10.7        | 13.7           |       |  |  |       |
| 13                      | 19.2 | 18.8 | 18.1 | 20.7 | 23.9 | 25.4 | 23.0 | 19.4 | 14.9 | 10.8 | 10.0 | 10.8 | 12.5 | 15.1 | 17.1 | 17.1 | 16.6 | 18.1 | 19.3 | 18.7 | 17.7 | 17.4 | 17.6 | 17.7 | 17.5 | 5.5               | 25.6         | 9.8        | 10.8        | 15.8           |       |  |  |       |
| 14                      | 17.6 | 17.5 | 17.6 | 19.2 | 22.4 | 25.2 | 24.8 | 20.5 | 15.5 | 11.0 | 9.1  | 10.0 | 11.7 | 13.6 | 15.8 | 17.7 | 17.1 | 16.8 | 16.6 | 17.5 | 17.9 | 16.8 | 16.1 | 16.4 | 16.8 | 5.9               | 25.9         | 8.9        | 10.5        | 17.0           |       |  |  |       |
| D 15                    | 17.9 | 15.8 | 17.1 | 18.1 | 22.2 | 25.6 | 25.0 | 20.7 | 16.4 | 13.1 | 12.3 | 12.3 | 13.8 | 15.3 | 16.4 | 17.1 | 17.5 | 18.5 | 19.2 | 19.3 | 18.5 | 18.8 | 19.8 | 18.3 | 17.9 | 5.9               | 27.0         | 11.5       | 9.9         | 15.5           |       |  |  |       |
| 16                      | 17.7 | 18.5 | 19.6 | 22.2 | 24.3 | 26.0 | 23.5 | 19.4 | 16.2 | 13.4 | 12.2 | 12.3 | 13.0 | 14.0 | 15.3 | 16.1 | 16.1 | 17.7 | 17.9 | 17.3 | 17.1 | 17.1 | 17.5 | 16.6 | 17.5 | 5.8               | 26.5         | 11.7       | 11.1        | 14.8           |       |  |  |       |
| 17                      | 16.2 | 17.7 | 18.3 | 20.5 | 22.8 | 23.7 | 22.4 | 19.2 | 15.5 | 13.2 | 11.9 | 12.1 | 13.2 | 14.3 | 15.1 | 15.7 | 15.8 | 16.8 | 16.5 | 16.4 | 17.0 | 17.4 | 17.3 | 17.9 | 17.0 | 5.1               | 24.0         | 11.5       | 10.8        | 12.5           |       |  |  |       |
| Q 18                    | 17.9 | 17.9 | 18.3 | 19.4 | 21.7 | 23.7 | 23.9 | 21.3 | 16.6 | 11.7 | 9.1  | 9.3  | 10.8 | 13.0 | 14.9 | 15.7 | 16.2 | 16.2 | 15.8 | 16.0 | 16.4 | 16.6 | 16.8 | 17.0 | 16.5 | 5.9               | 24.1         | 8.7        | 10.7        | 15.4           |       |  |  |       |
| Q 19                    | 17.3 | 17.3 | 17.7 | 19.0 | 20.9 | 23.4 | 23.9 | 21.5 | 17.1 | 12.5 | 9.5  | 8.7  | 9.8  | 11.7 | 13.2 | 14.5 | 15.5 | 16.0 | 16.0 | 16.6 | 17.3 | 17.2 | 17.5 | 17.4 | 16.3 | 6.3               | 24.3         | 8.4        | 11.2        | 15.9           |       |  |  |       |
| 20                      | 17.4 | 16.4 | 15.6 | 16.2 | 19.2 | 22.0 | 22.6 | 20.5 | 16.2 | 12.3 | 9.3  | 8.9  | 10.2 | 12.3 | 14.5 | 15.3 | 15.3 | 15.8 | 16.2 | 16.6 | 17.5 | 17.1 | 17.3 | 16.8 | 15.9 | 6.2               | 22.8         | 8.8        | 11.5        | 14.0           |       |  |  |       |
| Q 21                    | 16.5 | 16.6 | 17.1 | 18.3 | 20.7 | 22.6 | 23.1 | 20.7 | 17.1 | 12.8 | 9.3  | 8.0  | 8.6  | 10.2 | 12.3 | 14.3 | 14.5 | 15.1 | 15.6 | 16.0 | 16.2 | 16.1 | 16.4 | 16.1 | 15.6 | 6.3               | 23.5         | 7.8        | 11.6        | 15.7           |       |  |  |       |
| 22                      | 16.0 | 16.4 | 16.8 | 17.5 | 20.1 | 22.4 | 22.2 | 20.3 | 17.1 | 13.2 | 11.5 | 10.8 | 11.3 | 12.8 | 14.7 | 15.3 | 15.1 | 15.5 | 15.5 | 15.8 | 16.4 | 17.0 | 17.5 | 17.4 | 16.2 | 5.9               | 23.1         | 10.5       | 11.7        | 12.6           |       |  |  |       |
| 23                      | 16.6 | 16.3 | 17.1 | 18.5 | 19.6 | 19.8 | 18.7 | 16.8 | 13.8 | 11.3 | 10.2 | 10.0 | 11.3 | 12.2 | 13.1 | 14.0 | 14.9 | 15.3 | 15.9 | 16.1 | 16.4 | 16.8 | 17.3 | 17.4 | 15.4 | 5.1               | 20.3         | 9.9        | 11.5        | 10.4           |       |  |  |       |
| 24                      | 17.7 | 18.5 | 18.3 | 18.8 | 20.7 | 20.9 | 19.8 | 17.5 | 14.9 | 12.8 | 11.9 | 11.7 | 11.9 | 13.0 | 14.5 | 15.5 | 16.8 | 16.2 | 16.2 | 16.4 | 16.2 | 16.2 | 16.6 | 16.5 | 16.2 | 5.5               | 21.1         | 11.5       | 11.5        | 9.6            |       |  |  |       |
| 25                      | 16.0 | 16.7 | 17.5 | 19.2 | 22.4 | 23.3 | 22.4 | 19.8 | 15.3 | 11.5 | 8.5  | 8.6  | 10.4 | 13.0 | 14.7 | 15.5 | 15.7 | 16.0 | 16.2 | 16.3 | 16.4 | 16.6 | 16.4 | 17.1 | 16.1 | 5.1               | 23.6         | 8.2        | 11.5        | 15.4           |       |  |  |       |
| 26                      | 17.3 | 17.3 | 18.1 | 19.4 | 20.5 | 21.3 | 21.5 | 19.6 | 16.4 | 12.5 | 10.6 | 10.8 | 11.9 | 13.8 | 16.0 | 16.1 | 15.5 | 15.5 | 15.5 | 15.6 | 16.0 | 15.8 | 16.8 | 16.8 | 16.3 | 6.5               | 21.9         | 10.4       | 11.1        | 11.5           |       |  |  |       |
| 27                      | 17.1 | 17.3 | 18.3 | 19.8 | 21.3 | 22.0 | 20.7 | 17.5 | 12.7 | 9.2  | 8.0  | 9.5  | 11.6 | 13.8 | 15.8 | 16.4 | 16.2 | 15.8 | 15.5 | 15.4 | 15.5 | 15.5 | 16.4 | 16.6 | 15.7 | 5.3               | 22.2         | 7.9        | 10.3        | 14.3           |       |  |  |       |
| 28                      | 17.3 | 17.5 | 18.5 | 19.8 | 20.9 | 21.8 | 21.1 | 18.1 | 13.6 | 9.3  | 7.4  | 8.0  | 10.0 | 12.1 | 14.3 | 15.7 | 16.2 | 15.7 | 15.7 | 16.0 | 16.0 | 16.0 | 16.2 | 16.4 | 15.6 | 5.8               | 22.0         | 7.0        | 10.7        | 15.0           |       |  |  |       |
| 29                      | 16.6 | 16.6 | 16.8 | 18.3 | 20.5 | 22.0 | 21.3 | 18.8 | 14.9 | 10.8 | 8.5  | 9.1  | 11.0 | 13.4 | 15.5 | 16.1 | 15.5 | 15.5 | 15.5 | 15.7 | 16.0 | 16.4 | 16.2 | 16.2 | 15.7 | 5.9               | 22.4         | 8.0        | 10.8        | 14.4           |       |  |  |       |
| 30                      | 16.6 | 16.6 | 17.3 | 18.8 | 21.5 | 23.9 | 22.0 | 17.3 | 11.5 | 7.8  | 6.5  | 7.0  | 10.0 | 13.2 | 14.5 | 16.0 | 15.3 | 15.3 | 15.8 | 15.9 | 16.6 | 16.2 | 16.6 | 17.1 | 15.4 | 5.9               | 24.1         | 5.9        | 10.4        | 18.2           |       |  |  |       |
| 31                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |  |  |       |
| Среднее по<br>всем дням | 17.2 | 17.2 | 17.6 | 18.9 | 21.3 | 23.2 | 22.5 | 19.6 | 15.4 | 11.8 | 10.0 | 10.1 | 11.6 | 13.6 | 15.2 | 16.1 | 16.2 | 16.6 | 16.7 | 16.9 | 16.9 | 16.9 | 17.0 | 17.1 | 16.5 |                   |              |            |             |                |       |  |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Белситаивилии Ж.А.Проверила Эбремидзе М.А.

Месяц Апрель год 1980 $H = 24170^{\circ} + \quad = \quad = \quad =$ 

| Время<br>коровое           | Год |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Maxi<br>tum | Mini<br>tum | время<br>minim | Ампл. |    |    | Сумма |     |     |      |     |    |    |    |    |
|----------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|----|----|----|----|----|-------------------|--------------|-------------|-------------|----------------|-------|----|----|-------|-----|-----|------|-----|----|----|----|----|
|                            | Дни | 1  | 2  | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10  | 11  | 12 | 13 | 14 | 15 | 16 |                   |              |             |             |                |       |    |    |       | 17  | 18  | 19   | 20  | 21 | 22 | 23 | 24 |
| Q 1                        | 46  | 48 | 54 | 57 | 61 | 57 | 45  | 43 | 52 | 57 | 61  | 61  | 60 | 51 | 45 | 41 | 42 | 41                | 44           | 46          | 48          | 48             | 50    | 50 | 50 | 11.9  | 64  | 39  | 17.4 | 25  |    |    |    |    |
| Q 2                        | 50  | 50 | 54 | 57 | 52 | 42 | 27  | 27 | 39 | 51 | 58  | 61  | 58 | 54 | 49 | 48 | 54 | 59                | 62           | 64          | 64          | 72             | 73    | 72 | 54 | 21.3  | 80  | 25  | 7.1  | 55  |    |    |    |    |
| 3                          | 69  | 70 | 75 | 81 | 82 | 78 | 69  | 62 | 60 | 64 | 70  | 74  | 69 | 66 | 68 | 70 | 69 | 70                | 62           | 68          | 70          | 69             | 68    | 68 | 70 | 4.2   | 84  | 57  | 8.0  | 27  |    |    |    |    |
| 4                          | 69  | 74 | 76 | 82 | 84 | 79 | 66  | 58 | 34 | 46 | 58  | 46  | 60 | 59 | 56 | 53 | 57 | 57                | 60           | 66          | 63          | 58             | 60    | 60 | 62 | 4.6   | 87  | 29  | 8.7  | 58  |    |    |    |    |
| 5                          | 60  | 62 | 64 | 66 | 63 | 58 | 48  | 44 | 48 | 52 | 63  | 70  | 75 | 80 | 75 | 72 | 62 | 57                | 66           | 68          | 68          | 69             | 70    | 69 | 64 | 13.6  | 90  | 42  | 7.5  | 48  |    |    |    |    |
| D 6                        | 69  | 70 | 75 | 78 | 85 | 78 | 69  | 59 | 61 | 70 | 81  | 102 | 99 | 69 | 70 | 46 | 24 | 10                | 36           | 47          | 51          | 49             | 46    | 52 | 62 | 11.1  | 118 | 0   | 17.7 | 118 |    |    |    |    |
| 7                          | 50  | 48 | 49 | 51 | 46 | 44 | 37  | 28 | 37 | 66 | 72  | 74  | 78 | 65 | 51 | 54 | 57 | 64                | 62           | 74          | 58          | 60             | 70    | 64 | 57 | 22.1  | 95  | 10  | 7.9  | 85  |    |    |    |    |
| 8                          | 51  | 58 | 67 | 60 | 54 | 48 | 40  | 36 | 63 | 76 | 82  | 75  | 52 | 50 | 57 | 56 | 59 | 53                | 58           | 62          | 62          | 60             | 58    | 64 | 58 | 10.3  | 87  | 28  | 7.6  | 59  |    |    |    |    |
| 9                          | 58  | 58 | 63 | 64 | 54 | 71 | 60  | 68 | 73 | 51 | 10  | -6  | -6 | 6  | 22 | 24 | 33 | 42                | 46           | 45          | 46          | 48             | 46    | 49 | 43 | 5.6   | 81  | -14 | 12.1 | 95  |    |    |    |    |
| D 10                       | 50  | 54 | 42 | 46 | 51 | 27 | 9   | 6  | 15 | 28 | 16  | 20  | 32 | 36 | 40 | 44 | 40 | 46                | 57           | 48          | 50          | 50             | 52    | 51 | 38 | 4.1   | 64  | -9  | 7.0  | 73  |    |    |    |    |
| D 11                       | 54  | 48 | 51 | 51 | 49 | 50 | 40  | 27 | 46 | 46 | 40  | 46  | 42 | 39 | 44 | 40 | 34 | 36                | 14           | 14          | 30          | 10             | 33    | 28 | 38 | 0.9   | 61  | -4  | 20.2 | 65  |    |    |    |    |
| D 12                       | 20  | 51 | 42 | 38 | 24 | 15 | 16  | 16 | 26 | 26 | 30  | 33  | 18 | 32 | 32 | 36 | 42 | 50                | 38           | 39          | 45          | 45             | 63    | 78 | 36 | 23.6  | 85  | 6   | 12.6 | 79  |    |    |    |    |
| 13                         | 75  | 40 | 39 | 26 | 14 | 0  | -15 | -8 | 9  | 32 | 42  | 52  | 55 | 45 | 39 | 40 | 36 | 45                | 46           | 38          | 44          | 51             | 44    | 42 | 35 | 0.2   | 84  | -20 | 6.8  | 104 |    |    |    |    |
| 14                         | 43  | 46 | 50 | 50 | 44 | 32 | 17  | 20 | 30 | 46 | 53  | 54  | 51 | 48 | 46 | 50 | 56 | 58                | 57           | 52          | 51          | 58             | 70    | 63 | 48 | 22.8  | 85  | 15  | 6.6  | 70  |    |    |    |    |
| D 15                       | 48  | 60 | 68 | 51 | 44 | 32 | 18  | 21 | 44 | 62 | 64  | 64  | 57 | 52 | 52 | 51 | 39 | 38                | 34           | 58          | 44          | 42             | 56    | 36 | 47 | 1.9   | 93  | 12  | 7.3  | 81  |    |    |    |    |
| 16                         | 44  | 46 | 44 | 39 | 32 | 31 | 31  | 42 | 60 | 69 | 64  | 56  | 50 | 51 | 45 | 42 | 48 | 60                | 60           | 50          | 50          | 56             | 54    | 58 | 50 | 9.9   | 72  | 27  | 6.9  | 45  |    |    |    |    |
| 17                         | 69  | 66 | 66 | 50 | 55 | 50 | 44  | 40 | 56 | 69 | 75  | 70  | 64 | 60 | 60 | 58 | 56 | 62                | 58           | 57          | 57          | 58             | 58    | 56 | 59 | 10.5  | 78  | 39  | 7.8  | 39  |    |    |    |    |
| Q 18                       | 54  | 57 | 63 | 62 | 64 | 63 | 58  | 52 | 58 | 66 | 70  | 65  | 63 | 60 | 60 | 63 | 64 | 66                | 66           | 64          | 64          | 67             | 66    | 67 | 63 | 10.3  | 74  | 50  | 7.7  | 24  |    |    |    |    |
| Q 19                       | 63  | 66 | 75 | 83 | 84 | 78 | 73  | 72 | 75 | 75 | 73  | 71  | 71 | 69 | 66 | 67 | 70 | 73                | 74           | 69          | 68          | 60             | 70    | 64 | 71 | 4.2   | 86  | 57  | 21.6 | 29  |    |    |    |    |
| 20                         | 64  | 73 | 80 | 78 | 76 | 69 | 57  | 56 | 62 | 72 | 73  | 72  | 70 | 72 | 70 | 70 | 73 | 74                | 70           | 68          | 66          | 60             | 62    | 69 | 69 | 2.9   | 82  | 54  | 7.1  | 28  |    |    |    |    |
| Q 21                       | 66  | 68 | 76 | 79 | 78 | 74 | 64  | 60 | 64 | 69 | 70  | 70  | 74 | 75 | 75 | 70 | 70 | 69                | 68           | 69          | 74          | 76             | 75    | 76 | 71 | 3.6   | 81  | 58  | 7.2  | 23  |    |    |    |    |
| 22                         | 90  | 94 | 92 | 98 | 93 | 83 | 75  | 74 | 81 | 92 | 92  | 90  | 81 | 67 | 70 | 75 | 71 | 68                | 68           | 70          | 69          | 69             | 70    | 70 | 79 | 0.8   | 110 | 62  | 13.9 | 48  |    |    |    |    |
| 23                         | 84  | 86 | 81 | 84 | 81 | 78 | 79  | 75 | 69 | 74 | 76  | 75  | 70 | 68 | 70 | 70 | 70 | 66                | 64           | 67          | 67          | 64             | 63    | 69 | 73 | 1.2   | 90  | 64  | 14.4 | 26  |    |    |    |    |
| 24                         | 70  | 63 | 66 | 72 | 64 | 55 | 52  | 51 | 60 | 63 | 63  | 66  | 66 | 66 | 62 | 60 | 68 | 63                | 62           | 66          | 69          | 69             | 69    | 70 | 64 | 0.1   | 76  | 48  | 7.4  | 28  |    |    |    |    |
| 25                         | 76  | 75 | 86 | 82 | 69 | 52 | 52  | 51 | 65 | 80 | 70  | 53  | 60 | 64 | 72 | 68 | 70 | 65                | 66           | 66          | 66          | 66             | 67    | 68 | 67 | 2.7   | 88  | 46  | 7.3  | 42  |    |    |    |    |
| 26                         | 69  | 70 | 72 | 70 | 68 | 60 | 57  | 63 | 72 | 81 | 84  | 81  | 80 | 75 | 62 | 64 | 69 | 70                | 69           | 72          | 70          | 69             | 69    | 68 | 70 | 10.8  | 87  | 54  | 6.4  | 33  |    |    |    |    |
| 27                         | 70  | 70 | 74 | 74 | 68 | 63 | 58  | 66 | 82 | 98 | 102 | 102 | 93 | 82 | 76 | 69 | 74 | 77                | 75           | 76          | 75          | 73             | 64    | 77 | 77 | 11.1  | 104 | 56  | 6.4  | 48  |    |    |    |    |
| 28                         | 68  | 69 | 75 | 72 | 66 | 63 | 63  | 70 | 78 | 86 | 90  | 84  | 75 | 72 | 72 | 70 | 74 | 72                | 75           | 74          | 74          | 71             | 73    | 70 | 73 | 10.4  | 92  | 59  | 5.1  | 33  |    |    |    |    |
| 29                         | 70  | 76 | 84 | 83 | 81 | 75 | 60  | 63 | 75 | 88 | 98  | 94  | 88 | 86 | 80 | 73 | 73 | 75                | 76           | 80          | 79          | 78             | 77    | 75 | 79 | 10.8  | 100 | 56  | 6.8  | 44  |    |    |    |    |
| 30                         | 76  | 78 | 78 | 75 | 69 | 58 | 50  | 48 | 60 | 74 | 80  | 90  | 88 | 64 | 60 | 63 | 69 | 74                | 73           | 74          | 77          | 74             | 70    | 68 | 70 | 12.2  | 102 | 45  | 7.3  | 57  |    |    |    |    |
| 31                         |     |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |    |                   |              |             |             |                |       |    |    |       |     |     |      |     |    |    |    |    |
| Среднее по<br>всем дням    | 62  | 63 | 66 | 65 | 62 | 55 | 47  | 46 | 55 | 64 | 66  | 66  | 63 | 59 | 58 | 57 | 57 | 59                | 69           | 60          | 61          | 60             | 62    | 62 | 60 |       | 86  | 33  |      | 53  |    |    |    |    |
| Среднее по<br>сп. дням     | 56  | 58 | 64 | 68 | 68 | 63 | 53  | 51 | 58 | 64 | 66  | 66  | 65 | 62 | 59 | 58 | 60 | 62                | 63           | 62          | 64          | 65             | 67    | 66 | 62 |       | 77  | 46  |      | 31  |    |    |    |    |
| Среднее по<br>возмущ. дням | 48  | 57 | 56 | 53 | 51 | 40 | 30  | 26 | 38 | 46 | 46  | 53  | 50 | 46 | 48 | 43 | 36 | 36                | 36           | 41          | 44          | 39             | 50    | 49 | 44 |       | 84  | 1   |      | 83  |    |    |    |    |
| Сумма по<br>всем дням      |     |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |    |                   |              |             |             |                |       |    |    |       |     |     |      |     |    |    |    |    |
| Сумма по<br>сп. дням       |     |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |    |                   |              |             |             |                |       |    |    |       |     |     |      |     |    |    |    |    |
| Сумма по<br>возмущ. дням   |     |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |    |                   |              |             |             |                |       |    |    |       |     |     |      |     |    |    |    |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал а Эбремидзе М.А.Проверила Вердзени Н.С. Ж.



$$\underline{\underline{7}} = \underline{\underline{42020^{\circ}}} + \underline{\underline{\quad}} = \underline{\underline{\quad}}^{\circ}$$

Проверил Безситаувичи Т.А.



Месяц Май год 1980 $\delta = 4^{\circ}43'.0 + =$ 

| Время<br>квартовое |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. |      | Время<br>тах | Max<br>min | Mini<br>min | время<br>minim | Ампл. |      |      | Сумма |      |      |      |  |  |  |
|--------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|------|--------------|------------|-------------|----------------|-------|------|------|-------|------|------|------|--|--|--|
| Дни                |  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18                | 19   | 20           | 21         | 22          | 23             | 24    |      |      |       |      |      |      |  |  |  |
| 1                  |  | 16.8 | 17.1 | 17.6 | 19.9 | 22.1 | 22.5 | 22.1 | 19.9 | 16.7 | 13.7 | 11.8 | 11.6 | 12.2 | 14.4 | 15.9 | 16.5 | 16.3 | 17.2              | 17.6 | 16.3         | 15.9       | 16.3        | 16.3           | 16.3  | 16.8 | 5.1  | 23.2  | 11.5 | 11.0 | 11.7 |  |  |  |
| Q 2                |  | 16.6 | 16.6 | 17.4 | 18.6 | 21.0 | 22.5 | 22.7 | 21.0 | 16.5 | 11.6 | 8.6  | 8.1  | 9.6  | 12.4 | 15.4 | 16.1 | 15.9 | 15.9              | 15.9 | 15.9         | 16.1       | 16.1        | 16.0           | 15.9  | 6.2  | 22.9 | 7.9   | 11.0 | 15.0 |      |  |  |  |
| Q 3                |  | 15.9 | 16.2 | 17.5 | 18.9 | 19.9 | 21.0 | 21.4 | 18.9 | 14.4 | 10.3 | 7.7  | 7.9  | 9.9  | 12.0 | 15.0 | 16.1 | 15.8 | 15.9              | 16.1 | 16.1         | 16.1       | 15.9        | 16.1           | 15.9  | 15.5 | 6.3  | 21.7  | 7.3  | 10.9 | 14.4 |  |  |  |
| 4                  |  | 15.9 | 16.3 | 16.9 | 18.2 | 19.9 | 21.6 | 22.8 | 20.6 | 16.1 | 12.4 | 10.9 | 10.5 | 11.1 | 12.9 | 15.0 | 15.6 | 15.9 | 15.8              | 15.9 | 16.1         | 16.1       | 16.2        | 16.3           | 16.3  | 16.1 | 6.3  | 23.0  | 10.3 | 11.2 | 12.7 |  |  |  |
| 5                  |  | 16.3 | 16.5 | 17.8 | 20.2 | 22.5 | 24.0 | 23.2 | 20.2 | 15.6 | 10.5 | 8.0  | 8.0  | 8.6  | 10.1 | 12.4 | 13.9 | 14.1 | 14.6              | 15.0 | 16.1         | 16.7       | 16.7        | 17.8           | 17.6  | 15.7 | 5.7  | 24.4  | 7.3  | 10.7 | 17.1 |  |  |  |
| 6                  |  | 17.2 | 17.2 | 17.8 | 19.5 | 21.5 | 22.7 | 22.7 | 19.7 | 15.9 | 12.0 | 9.0  | 8.3  | 10.1 | 12.8 | 14.6 | 16.3 | 16.3 | 16.9              | 16.8 | 17.4         | 17.6       | 16.9        | 17.2           | 17.2  | 16.4 | 6.3  | 23.6  | 7.9  | 11.1 | 15.7 |  |  |  |
| 7                  |  | 17.2 | 17.2 | 18.0 | 19.3 | 21.0 | 22.3 | 22.3 | 20.6 | 16.7 | 12.6 | 9.9  | 9.0  | 8.6  | 9.4  | 11.6 | 13.5 | 14.4 | 15.4              | 17.2 | 17.8         | 17.0       | 17.0        | 17.6           | 16.5  | 15.9 | 6.1  | 22.7  | 8.1  | 12.3 | 14.6 |  |  |  |
| 8                  |  | 16.5 | 16.5 | 16.7 | 19.5 | 21.8 | 22.7 | 22.3 | 20.6 | 17.4 | 13.5 | 11.2 | 10.7 | 11.5 | 13.6 | 15.8 | 16.5 | 16.3 | 16.2              | 16.1 | 16.5         | 16.9       | 16.7        | 16.7           | 16.3  | 16.6 | 5.8  | 23.1  | 10.4 | 11.5 | 12.7 |  |  |  |
| D 9                |  | 15.6 | 16.3 | 17.4 | 19.7 | 21.0 | 22.3 | 22.3 | 20.8 | 18.0 | 13.9 | 10.2 | 10.2 | 11.8 | 13.9 | 16.3 | 17.5 | 16.3 | 16.5              | 16.9 | 16.7         | 16.7       | 18.0        | 17.4           | 18.6  | 16.8 | 6.1  | 22.7  | 9.4  | 10.7 | 13.3 |  |  |  |
| 10                 |  | 17.8 | 17.2 | 17.8 | 18.0 | 19.1 | 19.7 | 19.1 | 16.9 | 13.3 | 10.3 | 9.6  | 10.1 | 12.4 | 14.1 | 15.9 | 16.8 | 16.6 | 16.5              | 15.6 | 15.8         | 15.9       | 15.9        | 16.3           | 16.3  | 15.7 | 5.6  | 19.8  | 9.4  | 10.3 | 10.4 |  |  |  |
| D 11               |  | 16.5 | 16.3 | 17.2 | 19.3 | 21.0 | 22.1 | 21.9 | 19.5 | 15.4 | 15.0 | 9.0  | 10.3 | 10.9 | 13.9 | 16.3 | 17.5 | 16.5 | 17.4              | 20.2 | 20.8         | 19.5       | 18.2        | 20.4           | 21.0  | 17.3 | 6.2  | 22.7  | 7.9  | 10.6 | 14.8 |  |  |  |
| D 12               |  | 20.2 | 19.3 | 19.9 | 22.7 | 24.2 | 26.0 | 24.9 | 21.6 | 17.2 | 13.1 | 11.7 | 12.4 | 14.4 | 15.4 | 17.2 | 18.4 | 17.4 | 17.6              | 17.6 | 18.0         | 17.6       | 17.5        | 17.1           | 18.0  | 18.3 | 5.5  | 27.0  | 11.4 | 10.9 | 15.6 |  |  |  |
| 13                 |  | 18.2 | 18.6 | 20.8 | 22.9 | 24.2 | 24.2 | 22.8 | 19.7 | 16.7 | 13.5 | 11.0 | 10.9 | 12.0 | 13.7 | 15.2 | 16.1 | 16.1 | 16.5              | 16.2 | 16.7         | 18.2       | 18.0        | 18.9           | 20.5  | 17.6 | 5.4  | 24.8  | 10.6 | 11.0 | 14.2 |  |  |  |
| D 14               |  | 19.1 | 18.6 | 20.8 | 20.5 | 22.3 | 23.2 | 21.2 | 18.0 | 14.8 | 12.8 | 12.0 | 12.4 | 13.7 | 15.5 | 17.2 | 17.6 | 17.2 | 17.2              | 18.2 | 18.2         | 18.2       | 17.8        | 17.1           | 17.4  | 17.5 | 5.2  | 24.0  | 11.7 | 10.8 | 12.3 |  |  |  |
| 15                 |  | 17.4 | 18.0 | 19.5 | 21.4 | 23.5 | 24.4 | 22.1 | 18.0 | 14.4 | 11.1 | 9.9  | 10.3 | 12.4 | 15.6 | 17.4 | 17.5 | 16.7 | 16.3              | 16.7 | 17.1         | 17.1       | 16.3        | 16.7           | 16.9  | 16.9 | 5.6  | 24.8  | 9.5  | 11.0 | 15.3 |  |  |  |
| Q 16               |  | 17.4 | 18.0 | 20.6 | 23.6 | 24.6 | 24.6 | 22.7 | 19.2 | 15.0 | 11.1 | 9.4  | 9.0  | 10.4 | 13.1 | 15.8 | 16.3 | 16.1 | 16.2              | 16.5 | 16.7         | 16.7       | 16.7        | 16.5           | 16.5  | 16.8 | 5.1  | 25.1  | 8.6  | 11.4 | 16.5 |  |  |  |
| Q 17               |  | 16.5 | 17.4 | 19.9 | 22.3 | 24.0 | 23.9 | 22.3 | 19.7 | 15.6 | 12.0 | 9.6  | 9.6  | 11.1 | 13.5 | 16.1 | 17.1 | 16.7 | 16.7              | 16.5 | 16.3         | 16.4       | 16.7        | 16.5           | 16.7  | 16.8 | 4.9  | 24.4  | 9.2  | 10.9 | 15.2 |  |  |  |
| 18                 |  | 16.9 | 17.4 | 18.9 | 21.2 | 22.9 | 23.8 | 23.2 | 20.4 | 16.3 | 12.6 | 10.1 | 8.5  | 8.6  | 10.5 | 13.9 | 15.9 | 16.1 | 16.2              | 16.3 | 16.5         | 16.8       | 16.8        | 16.7           | 16.7  | 16.4 | 5.9  | 24.0  | 8.0  | 11.9 | 16.0 |  |  |  |
| 19                 |  | 16.7 | 17.1 | 18.4 | 20.2 | 21.4 | 21.9 | 20.2 | 16.5 | 12.4 | 9.9  | 9.0  | 9.3  | 10.7 | 12.0 | 15.0 | 16.9 | 15.6 | 16.1              | 16.9 | 17.0         | 16.4       | 16.7        | 16.8           | 16.8  | 15.8 | 5.4  | 22.2  | 8.7  | 10.9 | 13.5 |  |  |  |
| 20                 |  | 17.2 | 18.9 | 21.6 | 24.0 | 24.6 | 23.5 | 20.6 | 18.0 | 15.2 | 13.5 | 12.0 | 12.0 | 13.1 | 14.4 | 15.4 | 16.1 | 15.7 | 15.3              | 15.6 | 15.7         | 15.7       | 16.2        | 16.6           | 16.9  | 17.0 | 4.2  | 24.9  | 11.6 | 11.1 | 13.3 |  |  |  |
| 21                 |  | 17.4 | 18.2 | 19.6 | 21.2 | 22.5 | 23.2 | 22.3 | 20.2 | 16.1 | 12.9 | 10.9 | 10.1 | 10.5 | 12.0 | 13.9 | 15.4 | 15.0 | 14.7              | 15.0 | 15.6         | 16.1       | 16.3        | 16.3           | 16.2  | 16.3 | 5.3  | 23.4  | 9.8  | 11.2 | 13.6 |  |  |  |
| 22                 |  | 16.3 | 16.7 | 17.8 | 19.2 | 21.0 | 21.8 | 21.4 | 19.1 | 14.8 | 10.7 | 8.8  | 9.0  | 10.7 | 12.7 | 14.8 | 15.4 | 15.0 | 14.8              | 15.4 | 15.6         | 15.9       | 16.2        | 16.2           | 16.2  | 15.6 | 6.1  | 22.2  | 8.2  | 10.9 | 14.0 |  |  |  |
| Q 23               |  | 16.2 | 17.2 | 18.8 | 19.9 | 21.0 | 21.4 | 20.8 | 18.8 | 15.4 | 12.8 | 11.2 | 10.3 | 9.9  | 12.2 | 15.4 | 17.8 | 17.4 | 16.7              | 16.6 | 16.5         | 16.6       | 16.7        | 17.4           | 17.6  | 16.4 | 5.8  | 21.6  | 8.4  | 12.2 | 13.2 |  |  |  |
| 24                 |  | 16.9 | 17.8 | 19.1 | 20.6 | 21.9 | 22.9 | 22.1 | 19.7 | 16.9 | 13.4 | 11.6 | 11.4 | 13.1 | 13.9 | 15.2 | 16.5 | 16.9 | 16.9              | 18.5 | 17.8         | 18.4       | 19.2        | 20.8           | 20.4  | 17.6 | 5.8  | 23.2  | 10.7 | 11.2 | 12.5 |  |  |  |
| D 25               |  | 19.9 | 19.3 | 22.3 | 23.8 | 24.0 | 23.4 | 20.8 | 18.2 | 14.1 | 10.3 | 10.7 | 12.8 | 13.1 | 19.9 | 21.6 | 20.4 | 18.2 | 17.2              | 17.6 | 18.4         | 19.1       | 19.3        | 19.1           | 18.2  | 18.4 | 5.1  | 24.7  | 8.8  | 9.8  | 15.9 |  |  |  |
| 26                 |  | 18.9 | 20.8 | 23.6 | 26.2 | 27.1 | 26.6 | 23.8 | 19.3 | 15.4 | 13.2 | 12.4 | 13.1 | 13.7 | 15.2 | 16.9 | 17.8 | 17.2 | 16.7              | 17.1 | 17.6         | 18.0       | 18.0        | 18.4           | 18.2  | 18.6 | 4.5  | 27.5  | 12.1 | 10.1 | 15.4 |  |  |  |
| 27                 |  | 18.3 | 18.2 | 19.7 | 22.3 | 24.4 | 25.5 | 25.3 | 22.1 | 16.9 | 12.9 | 10.8 | 11.1 | 12.2 | 14.1 | 16.5 | 17.2 | 16.8 | 16.5              | 16.5 | 16.9         | 17.1       | 17.2        | 17.4           | 16.9  | 17.6 | 5.9  | 26.0  | 10.5 | 10.8 | 15.5 |  |  |  |
| 28                 |  | 16.4 | 17.2 | 18.8 | 21.2 | 23.2 | 23.4 | 21.6 | 19.1 | 16.2 | 13.1 | 12.0 | 11.6 | 12.4 | 13.9 | 15.6 | 17.2 | 17.1 | 16.6              | 16.3 | 16.3         | 16.2       | 16.3        | 16.3           | 16.5  | 16.9 | 5.4  | 23.8  | 11.4 | 11.6 | 12.4 |  |  |  |
| 29                 |  | 16.7 | 17.5 | 19.7 | 22.3 | 23.2 | 23.6 | 22.9 | 20.2 | 16.7 | 13.5 | 11.1 | 10.2 | 10.5 | 12.0 | 14.5 | 15.9 | 15.9 | 15.9              | 15.8 | 15.6         | 15.9       | 16.1        | 16.7           | 16.9  | 16.6 | 5.4  | 23.8  | 10.0 | 11.7 | 13.8 |  |  |  |
| 30                 |  | 17.2 | 18.2 | 19.5 | 21.6 | 21.9 | 20.5 | 18.1 | 15.0 | 12.0 | 9.4  | 7.7  | 8.4  | 10.5 | 12.9 | 15.0 | 15.9 | 15.6 | 15.9              | 16.3 | 16.7         | 16.7       | 16.8        | 16.7           | 16.7  | 15.6 | 4.1  | 22.9  | 7.4  | 10.9 | 15.5 |  |  |  |
| 31                 |  | 16.5 | 17.8 | 20.4 | 23.2 | 24.2 | 23.2 | 20.4 | 16.5 | 12.4 | 9.4  | 8.6  | 9.2  | 10.7 | 13.9 | 17.4 | 20.4 | 18.6 | 16.5              | 16.3 | 16           |            |             |                |       |      |      |       |      |      |      |  |  |  |

Месяц Май год 1980

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| Время<br>кировое           |  |    |    |    |    |    |    |     |    |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>minim | Ампл. |  |  | Сумма |
|----------------------------|--|----|----|----|----|----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|
| Дни                        |  | 1  | 2  | 3  | 4  | 5  | 6  | 7   | 8  | 9  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |                   |              |            |             |                |       |  |  |       |
| 1                          |  | 70 | 70 | 76 | 76 | 75 | 66 | 64  | 68 | 74 | 81  | 82  | 84  | 93  | 81  | 78  | 69  | 75 | 73 | 73 | 76 | 75 | 73 | 73 | 74 | 75 | 12.7              | 96           | 62         | 6.2         | 34             |       |  |  |       |
| Q 2                        |  | 74 | 75 | 78 | 82 | 75 | 67 | 60  | 58 | 65 | 78  | 86  | 88  | 87  | 78  | 72  | 69  | 75 | 73 | 75 | 74 | 72 | 74 | 75 | 75 | 74 | 11.8              | 91           | 56         | 7.1         | 35             |       |  |  |       |
| Q 3                        |  | 75 | 75 | 81 | 80 | 68 | 60 | 52  | 51 | 63 | 79  | 91  | 93  | 88  | 81  | 73  | 68  | 68 | 70 | 72 | 72 | 73 | 74 | 74 | 72 | 73 | 11.8              | 96           | 50         | 7.3         | 46             |       |  |  |       |
| 4                          |  | 72 | 75 | 82 | 86 | 82 | 76 | 69  | 62 | 60 | 64  | 73  | 81  | 81  | 76  | 64  | 64  | 70 | 73 | 71 | 72 | 72 | 74 | 74 | 73 | 73 | 3.9               | 87           | 56         | 8.2         | 31             |       |  |  |       |
| 5                          |  | 72 | 75 | 80 | 83 | 84 | 83 | 76  | 74 | 78 | 88  | 94  | 100 | 100 | 96  | 87  | 76  | 84 | 88 | 88 | 84 | 80 | 88 | 76 | 70 | 84 | 11.7              | 105          | 66         | 23.1        | 39             |       |  |  |       |
| 6                          |  | 69 | 69 | 70 | 72 | 69 | 64 | 62  | 55 | 58 | 69  | 73  | 69  | 57  | 55  | 56  | 52  | 58 | 60 | 62 | 56 | 70 | 68 | 70 | 69 | 64 | 10.8              | 76           | 46         | 7.2         | 30             |       |  |  |       |
| 7                          |  | 70 | 75 | 79 | 78 | 71 | 63 | 60  | 58 | 81 | 88  | 96  | 98  | 106 | 98  | 92  | 85  | 75 | 80 | 78 | 51 | 54 | 56 | 58 | 60 | 75 | 12.3              | 113          | 42         | 19.9        | 71             |       |  |  |       |
| 8                          |  | 57 | 63 | 70 | 68 | 61 | 52 | 44  | 48 | 60 | 74  | 82  | 86  | 82  | 73  | 66  | 58  | 60 | 67 | 72 | 68 | 64 | 66 | 66 | 63 | 65 | 11.6              | 88           | 42         | 6.5         | 46             |       |  |  |       |
| D 9                        |  | 73 | 71 | 74 | 81 | 65 | 47 | 45  | 41 | 50 | 71  | 70  | 71  | 71  | 64  | 55  | 49  | 54 | 56 | 59 | 70 | 61 | 49 | 63 | 61 | 61 | 19.8              | 107          | 39         | 8.2         | 68             |       |  |  |       |
| 10                         |  | 67 | 73 | 75 | 73 | 69 | 58 | 56  | 64 | 76 | 83  | 85  | 84  | 77  | 73  | 65  | 63  | 59 | 64 | 76 | 81 | 80 | 87 | 85 | 99 | 74 | 23.9              | 105          | 53         | 6.1         | 52             |       |  |  |       |
| D 11                       |  | 93 | 99 | 90 | 81 | 81 | 76 | 63  | 43 | 41 | 25  | 39  | 49  | 45  | 25  | 29  | 37  | 51 | 51 | 51 | 69 | 45 | 52 | 49 | 34 | 55 | 2.2               | 118          | 19         | 13.1        | 99             |       |  |  |       |
| D 12                       |  | 35 | 34 | 42 | 26 | 14 | -3 | -4  | 2  | 13 | 35  | 40  | 40  | 41  | 39  | 32  | 32  | 34 | 42 | 48 | 45 | 48 | 50 | 49 | 45 | 32 | 21.0              | 59           | -10        | 5.7         | 69             |       |  |  |       |
| 13                         |  | 47 | 47 | 48 | 47 | 41 | 41 | 39  | 41 | 47 | 65  | 70  | 66  | 66  | 62  | 58  | 56  | 58 | 60 | 62 | 68 | 56 | 74 | 58 | 48 | 55 | 21.6              | 80           | 32         | 7.2         | 48             |       |  |  |       |
| D 14                       |  | 42 | 46 | 38 | 41 | 23 | 23 | 34  | 38 | 50 | 60  | 66  | 62  | 49  | 46  | 44  | 41  | 48 | 52 | 66 | 48 | 46 | 45 | 52 | 46 | 46 | 18.3              | 73           | 15         | 5.1         | 58             |       |  |  |       |
| 15                         |  | 48 | 51 | 54 | 52 | 41 | 29 | 18  | 34 | 54 | 75  | 90  | 92  | 77  | 62  | 56  | 53  | 53 | 53 | 56 | 56 | 55 | 59 | 58 | 53 | 55 | 11.3              | 96           | 16         | 6.3         | 80             |       |  |  |       |
| Q 16                       |  | 54 | 58 | 62 | 56 | 47 | 35 | 34  | 37 | 47 | 56  | 66  | 75  | 75  | 70  | 62  | 59  | 58 | 62 | 60 | 56 | 58 | 58 | 59 | 60 | 57 | 12.6              | 77           | 26         | 6.1         | 51             |       |  |  |       |
| Q 17                       |  | 62 | 65 | 68 | 66 | 60 | 48 | 47  | 47 | 51 | 64  | 75  | 75  | 74  | 70  | 65  | 64  | 64 | 66 | 66 | 71 | 66 | 71 | 68 | 68 | 64 | 10.7              | 79           | 44         | 7.7         | 35             |       |  |  |       |
| 18                         |  | 69 | 72 | 77 | 74 | 67 | 59 | 58  | 59 | 65 | 68  | 67  | 66  | 74  | 77  | 72  | 68  | 70 | 67 | 68 | 68 | 69 | 68 | 70 | 72 | 68 | 13.2              | 83           | 54         | 6.2         | 29             |       |  |  |       |
| 19                         |  | 74 | 79 | 84 | 80 | 71 | 65 | 68  | 72 | 78 | 84  | 90  | 89  | 85  | 83  | 66  | 55  | 66 | 63 | 56 | 53 | 64 | 66 | 69 | 68 | 72 | 10.4              | 92           | 48         | 15.1        | 44             |       |  |  |       |
| 20                         |  | 68 | 68 | 72 | 74 | 65 | 62 | 62  | 64 | 74 | 82  | 89  | 87  | 86  | 78  | 72  | 66  | 66 | 70 | 75 | 72 | 76 | 75 | 74 | 76 | 73 | 10.4              | 90           | 58         | 6.6         | 32             |       |  |  |       |
| 21                         |  | 77 | 82 | 86 | 86 | 84 | 83 | 77  | 76 | 86 | 102 | 108 | 106 | 102 | 96  | 90  | 80  | 78 | 83 | 83 | 80 | 82 | 83 | 83 | 84 | 87 | 10.8              | 113          | 71         | 7.1         | 42             |       |  |  |       |
| 22                         |  | 84 | 87 | 89 | 92 | 92 | 88 | 77  | 75 | 96 | 107 | 110 | 113 | 106 | 90  | 83  | 74  | 72 | 73 | 80 | 82 | 84 | 84 | 85 | 88 | 88 | 11.7              | 120          | 64         | 16.6        | 56             |       |  |  |       |
| Q 23                       |  | 86 | 78 | 71 | 75 | 75 | 75 | 82  | 87 | 98 | 105 | 102 | 95  | 94  | 75  | 66  | 57  | 58 | 60 | 56 | 59 | 60 | 63 | 66 | 58 | 75 | 12.3              | 120          | 50         | 16.0        | 70             |       |  |  |       |
| 24                         |  | 68 | 68 | 70 | 62 | 55 | 54 | 59  | 68 | 75 | 75  | 75  | 66  | 60  | 62  | 48  | 56  | 52 | 44 | 39 | 46 | 51 | 44 | 36 | 42 | 57 | 9.3               | 82           | 29         | 22.5        | 53             |       |  |  |       |
| D 25                       |  | 48 | 74 | 72 | 65 | 60 | 47 | 34  | 51 | 36 | 46  | 5   | -4  | -26 | -66 | -42 | -28 | -9 | 4  | 10 | 5  | 5  | 10 | 16 | 26 | 18 | 1.9               | 80           | -86        | 13.4        | 166            |       |  |  |       |
| 26                         |  | 28 | 18 | 24 | 17 | 6  | -6 | -12 | -5 | 6  | 17  | 27  | 42  | 54  | 51  | 42  | 36  | 38 | 41 | 42 | 42 | 38 | 39 | 38 | 41 | 28 | 12.4              | 56           | -14        | 6.8         | 70             |       |  |  |       |
| 27                         |  | 47 | 53 | 61 | 54 | 47 | 34 | 17  | 15 | 20 | 32  | 54  | 66  | 62  | 58  | 54  | 51  | 49 | 52 | 53 | 54 | 53 | 54 | 59 | 59 | 48 | 11.3              | 69           | 10         | 7.1         | 59             |       |  |  |       |
| 28                         |  | 58 | 59 | 64 | 68 | 60 | 52 | 47  | 46 | 53 | 64  | 74  | 84  | 75  | 64  | 59  | 57  | 58 | 64 | 66 | 69 | 71 | 69 | 66 | 66 | 63 | 11.3              | 87           | 44         | 6.1         | 43             |       |  |  |       |
| 29                         |  | 66 | 70 | 73 | 71 | 62 | 54 | 54  | 58 | 71 | 76  | 75  | 75  | 69  | 70  | 70  | 66  | 66 | 68 | 77 | 77 | 82 | 83 | 83 | 80 | 71 | 20.3              | 94           | 50         | 6.0         | 44             |       |  |  |       |
| 30                         |  | 77 | 76 | 59 | 54 | 50 | 48 | 52  | 56 | 70 | 76  | 83  | 77  | 81  | 77  | 71  | 72  | 68 | 70 | 67 | 70 | 74 | 74 | 76 | 75 | 69 | 10.8              | 88           | 44         | 5.9         | 44             |       |  |  |       |
| 31                         |  | 82 | 77 | 78 | 72 | 53 | 39 | 34  | 30 | 47 | 71  | 73  | 73  | 62  | 47  | 44  | 48  | 38 | 46 | 52 | 53 | 56 | 62 | 71 | 80 | 58 | 0.5               | 84           | 28         | 7.3         | 56             |       |  |  |       |
| Среднее по<br>всем дням    |  | 65 | 67 | 69 | 67 | 60 | 53 | 49  | 51 | 59 | 70  | 75  | 76  | 73  | 65  | 60  | 57  | 59 | 61 | 63 | 63 | 63 | 64 | 64 | 64 | 63 |                   |              | 90         | 36          |                | 65    |  |  |       |
| Среднее по<br>сп. дням     |  | 70 | 70 | 72 | 72 | 65 | 57 | 55  | 56 | 65 | 76  | 84  | 85  | 84  | 75  | 68  | 63  | 65 | 66 | 66 | 66 | 66 | 68 | 68 | 67 | 69 |                   |              | 93         | 45          |                | 47    |  |  |       |
| Среднее по<br>возмущ. дням |  | 58 | 65 | 63 | 59 | 49 | 38 | 34  | 35 | 38 | 47  | 44  | 44  | 36  | 22  | 24  | 26  | 36 | 41 | 47 | 47 | 41 | 41 | 46 | 42 | 43 |                   |              | 87         | -5          |                | 92    |  |  |       |
| Сумма по<br>всем дням      |  |    |    |    |    |    |    |     |    |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>сп. дням       |  |    |    |    |    |    |    |     |    |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |  |    |    |    |    |    |    |     |    |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |

Условные обозначения: Δ — погасла лампа; &gt; или &lt; — запись вышла за бумагу; □ — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Эбремидзе М.А.

Проверил Вердзени М.К.

Месяц Май год 1980

 $\bar{I} = 42020^{\circ} + =$ 

| Время<br>мировое           |  |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>tun | Mini<br>tun | время<br>minim | Ампл. |    |  | Сумма |  |
|----------------------------|--|----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|----|--|-------|--|
| Дни                        |  | 1  | 2   | 3   | 4   | 5   | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24                |              |            |             |                |       |    |  |       |  |
| 1                          |  | 84 | 87  | 90  | 94  | 97  | 93 | 82 | 70 | 60 | 54 | 54 | 56 | 64  | 77  | 82  | 81  | 79  | 82  | 83  | 83  | 83  | 84  | 84  | 83                | 79           | 4.5        | 98          | 53             | 9.5   | 45 |  |       |  |
| Q 2                        |  | 84 | 84  | 87  | 91  | 97  | 96 | 90 | 72 | 65 | 64 | 66 | 71 | 78  | 83  | 86  | 83  | 81  | 83  | 83  | 83  | 84  | 83  | 83  | 83                | 82           | 4.9        | 98          | 63             | 9.1   | 35 |  |       |  |
| Q 3                        |  | 84 | 85  | 88  | 88  | 92  | 92 | 88 | 77 | 63 | 57 | 62 | 66 | 70  | 74  | 80  | 82  | 81  | 82  | 82  | 82  | 82  | 83  | 83  | 82                | 79           | 5.4        | 93          | 56             | 9.9   | 37 |  |       |  |
| 4                          |  | 82 | 84  | 87  | 89  | 96  | 97 | 87 | 79 | 68 | 67 | 71 | 76 | 77  | 83  | 89  | 86  | 81  | 82  | 83  | 83  | 83  | 82  | 83  | 83                | 82           | 5.0        | 99          | 66             | 9.1   | 33 |  |       |  |
| 5                          |  | 83 | 85  | 88  | 90  | 90  | 87 | 78 | 65 | 51 | 46 | 47 | 51 | 61  | 69  | 77  | 80  | 78  | 80  | 82  | 83  | 83  | 82  | 82  | 83                | 75           | 4.7        | 91          | 43             | 9.7   | 48 |  |       |  |
| 6                          |  | 83 | 84  | 89  | 93  | 93  | 92 | 84 | 72 | 56 | 51 | 58 | 67 | 74  | 84  | 90  | 89  | 86  | 86  | 87  | 88  | 86  | 86  | 84  | 83                | 81           | 4.8        | 93          | 49             | 9.3   | 44 |  |       |  |
| 7                          |  | 83 | 84  | 85  | 85  | 86  | 85 | 77 | 64 | 51 | 42 | 46 | 52 | 58  | 67  | 76  | 80  | 80  | 83  | 84  | 88  | 87  | 87  | 86  | 86                | 75           | 19.6       | 89          | 41             | 9.3   | 48 |  |       |  |
| 8                          |  | 86 | 86  | 87  | 87  | 89  | 86 | 83 | 77 | 69 | 64 | 66 | 71 | 78  | 83  | 86  | 84  | 82  | 82  | 83  | 84  | 84  | 84  | 84  | 85                | 81           | 4.5        | 90          | 63             | 9.8   | 27 |  |       |  |
| D 9                        |  | 84 | 85  | 90  | 89  | 85  | 80 | 76 | 72 | 67 | 60 | 65 | 73 | 81  | 89  | 96  | 93  | 88  | 89  | 89  | 88  | 90  | 90  | 88  | 85                | 83           | 14.7       | 97          | 58             | 9.7   | 39 |  |       |  |
| 10                         |  | 84 | 84  | 82  | 83  | 87  | 88 | 82 | 83 | 80 | 75 | 76 | 76 | 82  | 88  | 87  | 83  | 81  | 82  | 82  | 83  | 83  | 83  | 83  | 82                | 82           | 13.8       | 89          | 73             | 9.6   | 16 |  |       |  |
| D 11                       |  | 81 | 81  | 85  | 88  | 88  | 84 | 73 | 63 | 53 | 56 | 65 | 74 | 82  | 87  | 90  | 88  | 88  | 92  | 94  | 89  | 90  | 90  | 86  | 87                | 81           | 18.9       | 98          | 52             | 8.3   | 46 |  |       |  |
| D 12                       |  | 88 | 91  | 95  | 99  | 101 | 98 | 88 | 75 | 62 | 64 | 72 | 77 | 82  | 86  | 91  | 92  | 91  | 92  | 92  | 92  | 92  | 91  | 90  | 89                | 87           | 4.1        | 103         | 60             | 8.8   | 43 |  |       |  |
| 13                         |  | 91 | 95  | 100 | 101 | 98  | 90 | 77 | 62 | 53 | 53 | 55 | 59 | 68  | 78  | 85  | 85  | 85  | 88  | 89  | 89  | 92  | 89  | 89  | 88                | 82           | 3.4        | 102         | 51             | 8.8   | 51 |  |       |  |
| D 14                       |  | 90 | 92  | 96  | 94  | 87  | 80 | 71 | 63 | 60 | 65 | 67 | 73 | 84  | 89  | 94  | 91  | 89  | 90  | 89  | 90  | 89  | 90  | 89  | 89                | 84           | 2.8        | 98          | 59             | 8.7   | 39 |  |       |  |
| 15                         |  | 89 | 91  | 94  | 96  | 94  | 89 | 82 | 76 | 65 | 59 | 60 | 67 | 81  | 90  | 92  | 88  | 86  | 87  | 87  | 87  | 87  | 87  | 87  | 87                | 84           | 3.8        | 97          | 58             | 9.9   | 39 |  |       |  |
| Q 16                       |  | 88 | 92  | 95  | 95  | 96  | 91 | 84 | 76 | 70 | 67 | 74 | 83 | 85  | 89  | 91  | 87  | 85  | 86  | 86  | 87  | 88  | 87  | 87  | 87                | 86           | 4.3        | 97          | 66             | 9.5   | 31 |  |       |  |
| Q 17                       |  | 88 | 92  | 98  | 97  | 96  | 92 | 80 | 71 | 65 | 60 | 58 | 60 | 67  | 79  | 84  | 83  | 82  | 85  | 86  | 85  | 85  | 86  | 85  | 84                | 81           | 2.6        | 100         | 57             | 10.6  | 43 |  |       |  |
| 18                         |  | 85 | 87  | 90  | 93  | 91  | 89 | 79 | 71 | 61 | 55 | 57 | 59 | 65  | 78  | 84  | 84  | 82  | 84  | 84  | 85  | 85  | 84  | 83  | 83                | 79           | 3.8        | 94          | 53             | 9.7   | 41 |  |       |  |
| 19                         |  | 83 | 85  | 89  | 90  | 86  | 77 | 60 | 51 | 48 | 50 | 56 | 60 | 66  | 79  | 87  | 90  | 86  | 89  | 90  | 91  | 89  | 89  | 88  | 89                | 78           | 15.2       | 91          | 46             | 8.7   | 45 |  |       |  |
| 20                         |  | 88 | 88  | 91  | 92  | 89  | 80 | 65 | 56 | 56 | 54 | 51 | 52 | 58  | 71  | 79  | 80  | 80  | 82  | 82  | 84  | 84  | 84  | 83  | 83                | 76           | 3.6        | 93          | 51             | 10.8  | 42 |  |       |  |
| 21                         |  | 83 | 84  | 88  | 89  | 87  | 82 | 71 | 60 | 53 | 51 | 51 | 54 | 58  | 65  | 75  | 79  | 77  | 78  | 80  | 81  | 82  | 81  | 80  | 81                | 74           | 3.4        | 90          | 50             | 9.5   | 40 |  |       |  |
| 22                         |  | 80 | 81  | 81  | 83  | 83  | 80 | 78 | 67 | 51 | 49 | 56 | 60 | 68  | 73  | 78  | 78  | 79  | 80  | 81  | 82  | 81  | 81  | 81  | 80                | 75           | 3.5        | 84          | 47             | 9.1   | 37 |  |       |  |
| Q 23                       |  | 80 | 83  | 88  | 89  | 86  | 77 | 68 | 58 | 53 | 55 | 56 | 59 | 70  | 76  | 85  | 88  | 85  | 86  | 87  | 86  | 86  | 86  | 84  | 85                | 77           | 3.0        | 91          | 52             | 8.9   | 39 |  |       |  |
| 24                         |  | 84 | 86  | 91  | 93  | 90  | 85 | 77 | 62 | 50 | 48 | 53 | 60 | 67  | 78  | 85  | 88  | 90  | 92  | 95  | 93  | 92  | 92  | 91  | 92                | 81           | 18.3       | 96          | 46             | 9.3   | 50 |  |       |  |
| D 25                       |  | 91 | 93  | 96  | 95  | 85  | 75 | 65 | 61 | 65 | 68 | 79 | 92 | 109 | 122 | 125 | 116 | 107 | 105 | 105 | 104 | 103 | 102 | 101 | 99                | 94           | 14.4       | 126         | 59             | 7.6   | 67 |  |       |  |
| 26                         |  | 97 | 101 | 105 | 102 | 95  | 90 | 86 | 79 | 73 | 74 | 75 | 74 | 76  | 86  | 94  | 93  | 90  | 92  | 94  | 93  | 93  | 94  | 92  | 91                | 89           | 2.6        | 106         | 72             | 8.7   | 34 |  |       |  |
| 27                         |  | 91 | 94  | 97  | 101 | 98  | 96 | 92 | 82 | 78 | 75 | 71 | 77 | 84  | 87  | 93  | 91  | 89  | 89  | 90  | 90  | 90  | 90  | 90  | 90                | 89           | 3.3        | 102         | 70             | 10.5  | 32 |  |       |  |
| 28                         |  | 90 | 94  | 98  | 96  | 95  | 90 | 82 | 77 | 65 | 63 | 64 | 64 | 69  | 76  | 81  | 83  | 84  | 86  | 88  | 89  | 90  | 89  | 87  | 87                | 83           | 2.8        | 99          | 61             | 9.0   | 38 |  |       |  |
| 29                         |  | 88 | 93  | 96  | 94  | 92  | 87 | 74 | 67 | 60 | 56 | 54 | 51 | 57  | 67  | 79  | 84  | 83  | 85  | 86  | 87  | 87  | 87  | 84  | 84                | 78           | 2.7        | 96          | 50             | 11.3  | 46 |  |       |  |
| 30                         |  | 87 | 90  | 95  | 95  | 94  | 87 | 84 | 73 | 66 | 61 | 58 | 58 | 67  | 82  | 85  | 85  | 85  | 86  | 87  | 86  | 87  | 87  | 87  | 88                | 82           | 3.0        | 96          | 56             | 10.8  | 40 |  |       |  |
| 31                         |  | 88 | 90  | 93  | 95  | 94  | 92 | 84 | 72 | 61 | 57 | 55 | 59 | 74  | 93  | 103 | 101 | 95  | 94  | 93  | 91  | 92  | 90  | 89  | 86                | 85           | 14.3       | 103         | 53             | 10.8  | 50 |  |       |  |
| Среднее по<br>всем дням    |  | 86 | 88  | 91  | 92  | 92  | 87 | 79 | 69 | 61 | 59 | 61 | 66 | 73  | 82  | 87  | 87  | 85  | 86  | 87  | 87  | 87  | 87  | 86  | 86                | 81           |            | 97          | 56             |       | 41 |  |       |  |
| Среднее по<br>сп. дням     |  | 85 | 87  | 91  | 92  | 93  | 90 | 82 | 71 | 63 | 61 | 63 | 68 | 74  | 80  | 85  | 85  | 83  | 84  | 85  | 85  | 85  | 85  | 84  | 84                | 81           |            | 96          | 59             |       | 37 |  |       |  |
| Среднее по<br>возмущ. дням |  | 87 | 88  | 92  | 93  | 89  | 83 | 75 | 67 | 61 | 63 | 70 | 78 | 88  | 95  | 99  | 96  | 93  | 94  | 94  | 93  | 93  | 93  | 91  | 90                | 86           |            | 104         | 58             |       | 47 |  |       |  |
| Сумма по<br>всем дням      |  |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |  |       |  |
| Сумма по<br>сп. дням       |  |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |  |       |  |
| Сумма по<br>возмущ. дням   |  |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |    |  |       |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Вержеули Н. Ж.Проверил Бенситаишвили Я. А.



Обсерватория Душети (Тбилиси)Среднемесячн.  $\phi = 5^{\circ}00'5$ Элемент СклонениеМесяц Июнь год 1980 $\delta = 4^{\circ}43'0$  + = ° =

| Время<br>коровое           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>тум | Mini<br>тум | время<br>minim | Ампл. |      |  | Сумма |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|------|--|-------|
| Дни                        | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24                |              |            |             |                |       |      |  |       |
| 1                          | 18.7 | 20.0 | 22.4 | 24.9 | 26.0 | 27.7 | 20.5 | 17.5 | 14.2 | 11.9 | 10.6 | 10.8 | 14.4 | 16.6 | 18.9 | 20.1 | 18.9 | 18.5 | 18.3 | 17.9 | 17.5 | 17.0 | 18.5 | 17.5              | 18.2         | 4.5        | 26.3        | 9.9            | 11.2  | 16.4 |  |       |
| 2                          | 16.5 | 18.9 | 21.3 | 23.7 | 25.6 | 26.0 | 27.1 | 21.3 | 17.2 | 11.9 | 10.1 | 9.5  | 10.8 | 12.9 | 14.9 | 15.8 | 15.9 | 16.6 | 17.2 | 17.3 | 17.5 | 17.7 | 17.7 | 18.3              | 17.4         | 5.2        | 26.4        | 9.3            | 11.4  | 17.1 |  |       |
| 3                          | 17.7 | 17.7 | 19.1 | 21.3 | 23.7 | 25.5 | 24.9 | 23.0 | 19.6 | 14.4 | 10.8 | 9.1  | 9.3  | 12.3 | 14.0 | 15.3 | 15.5 | 15.5 | 16.2 | 17.2 | 18.3 | 18.5 | 18.9 | 18.5              | 17.3         | 5.7        | 25.8        | 8.0            | 12.2  | 17.8 |  |       |
| 4                          | 18.5 | 18.7 | 20.1 | 22.6 | 23.8 | 23.8 | 22.4 | 20.5 | 17.5 | 14.1 | 11.9 | 10.5 | 10.2 | 11.2 | 13.6 | 15.1 | 16.2 | 16.0 | 16.2 | 16.2 | 16.7 | 16.6 | 16.6 | 16.9              | 16.9         | 5.3        | 24.2        | 9.9            | 12.5  | 14.3 |  |       |
| 5 Q                        | 17.0 | 17.7 | 19.2 | 21.3 | 22.6 | 23.2 | 22.6 | 20.0 | 16.6 | 13.6 | 11.4 | 10.2 | 11.0 | 13.4 | 16.2 | 17.4 | 17.7 | 17.2 | 17.0 | 16.8 | 16.6 | 17.0 | 16.9 | 16.6              | 17.0         | 5.6        | 23.7        | 9.7            | 11.7  | 14.0 |  |       |
| 6                          | 16.2 | 16.6 | 18.1 | 20.5 | 21.7 | 22.4 | 21.7 | 19.8 | 16.6 | 13.9 | 12.2 | 11.2 | 11.4 | 12.7 | 14.0 | 14.0 | 14.9 | 14.2 | 15.1 | 15.9 | 16.4 | 17.0 | 16.8 | 16.6              | 16.2         | 5.2        | 22.6        | 11.0           | 12.0  | 11.6 |  |       |
| 7 D                        | 18.7 | 20.0 | 19.8 | 23.0 | 22.9 | 22.4 | 21.7 | 19.6 | 15.7 | 12.9 | 9.7  | 8.4  | 8.7  | 11.2 | 13.8 | 14.7 | 14.7 | 15.5 | 16.2 | 16.9 | 17.2 | 18.3 | 18.9 | 18.7              | 16.6         | 3.6        | 24.3        | 7.6            | 12.2  | 16.7 |  |       |
| 8                          | 18.5 | 21.3 | 17.5 | 20.2 | 21.6 | 22.8 | 21.5 | 18.5 | 15.3 | 13.1 | 11.4 | 13.6 | 14.5 | 15.7 | 16.6 | 17.0 | 17.2 | 17.2 | 17.7 | 17.9 | 17.7 | 17.7 | 17.7 | 17.9              | 17.5         | 5.4        | 23.2        | 10.8           | 10.7  | 12.4 |  |       |
| 9                          | 18.1 | 18.9 | 20.5 | 23.4 | 24.7 | 24.5 | 22.4 | 19.1 | 15.3 | 13.2 | 12.7 | 12.1 | 12.7 | 14.0 | 15.3 | 16.2 | 15.9 | 15.9 | 16.2 | 16.6 | 17.9 | 17.9 | 18.7 | 18.2              | 17.5         | 4.4        | 24.9        | 11.9           | 11.4  | 13.0 |  |       |
| 10 D                       | 18.5 | 20.9 | 22.6 | 24.7 | 25.8 | 24.7 | 21.1 | 18.2 | 15.7 | 14.2 | 13.4 | 12.6 | 15.3 | 16.8 | 17.9 | 17.9 | 18.5 | 16.2 | 19.1 | 18.3 | 17.2 | 17.2 | 17.4 | 19.2              | 18.5         | 4.6        | 26.7        | 12.3           | 11.4  | 14.4 |  |       |
| 11 D                       | 19.4 | 19.6 | 22.2 | 24.7 | 25.8 | 24.7 | 21.5 | 18.3 | 15.5 | 12.7 | 11.4 | 12.5 | 14.9 | 18.9 | 20.2 | 20.5 | 21.9 | 18.9 | 19.4 | 20.0 | 17.0 | 18.5 | 17.7 | 19.2              | 19.0         | 5.2        | 26.5        | 11.0           | 10.4  | 15.5 |  |       |
| 12 D                       | 18.7 | 19.1 | 20.9 | 24.3 | 26.9 | 26.5 | 23.5 | 19.6 | 15.7 | 13.4 | 12.5 | 13.2 | 16.4 | 18.9 | 19.2 | 19.8 | 18.9 | 19.6 | 18.8 | 19.8 | 19.4 | 18.9 | 19.9 | 17.5              | 19.2         | 4.4        | 27.6        | 11.9           | 10.8  | 15.7 |  |       |
| 13 D                       | 19.8 | 21.7 | 21.7 | 21.5 | 23.2 | 24.5 | 23.7 | 19.4 | 14.9 | 12.9 | 12.3 | 12.9 | 15.3 | 17.5 | 18.3 | 20.2 | 20.8 | 20.9 | 21.7 | 20.9 | 19.2 | 20.0 | 20.0 | 18.9              | 19.3         | 6.4        | 25.1        | 11.9           | 10.6  | 13.2 |  |       |
| 14                         | 20.0 | 20.7 | 22.3 | 23.9 | 24.1 | 23.4 | 21.7 | 18.3 | 14.2 | 13.2 | 12.9 | 12.3 | 12.5 | 14.4 | 16.7 | 17.5 | 17.9 | 17.8 | 17.9 | 17.7 | 17.5 | 18.1 | 17.5 | 17.2              | 17.9         | 4.5        | 24.5        | 12.1           | 11.9  | 12.4 |  |       |
| 15                         | 18.1 | 19.2 | 20.7 | 22.6 | 23.7 | 22.6 | 21.5 | 19.6 | 16.6 | 13.6 | 11.2 | 9.9  | 10.6 | 12.5 | 14.7 | 15.9 | 16.2 | 16.8 | 17.2 | 17.2 | 17.4 | 17.0 | 17.0 | 17.7              | 17.0         | 4.9        | 23.9        | 9.8            | 11.6  | 14.1 |  |       |
| 16                         | 17.7 | 18.8 | 20.5 | 21.9 | 23.2 | 24.5 | 23.0 | 20.0 | 15.7 | 12.9 | 11.2 | 9.9  | 10.4 | 12.7 | 15.7 | 18.1 | 18.9 | 18.1 | 17.9 | 17.9 | 17.4 | 17.7 | 17.7 | 17.7              | 17.5         | 5.7        | 24.7        | 9.7            | 11.5  | 15.0 |  |       |
| 17 Q                       | 18.1 | 18.7 | 20.0 | 21.9 | 22.6 | 22.6 | 21.6 | 18.7 | 15.9 | 13.8 | 11.8 | 11.1 | 12.6 | 14.4 | 16.1 | 17.0 | 17.1 | 16.9 | 17.0 | 17.0 | 16.8 | 16.8 | 16.7 | 17.0              | 17.2         | 5.6        | 22.8        | 11.0           | 11.6  | 11.8 |  |       |
| 18 Q                       | 17.4 | 17.9 | 19.8 | 22.2 | 23.7 | 24.3 | 22.6 | 19.4 | 15.7 | 13.6 | 12.1 | 11.2 | 11.4 | 12.9 | 14.2 | 15.6 | 15.7 | 15.7 | 15.8 | 16.4 | 17.0 | 17.0 | 17.2 | 17.4              | 16.9         | 5.5        | 24.4        | 10.8           | 12.0  | 13.6 |  |       |
| 19                         | 17.7 | 18.3 | 18.8 | 20.2 | 21.3 | 21.8 | 21.7 | 20.1 | 17.5 | 14.6 | 12.5 | 11.4 | 11.4 | 11.9 | 12.9 | 14.1 | 15.3 | 16.4 | 17.2 | 17.5 | 17.0 | 17.4 | 17.8 | 17.9              | 16.8         | 5.6        | 22.2        | 11.2           | 12.0  | 11.0 |  |       |
| 20                         | 18.2 | 18.3 | 19.6 | 21.5 | 23.0 | 23.5 | 22.6 | 20.2 | 18.1 | 15.9 | 14.4 | 13.2 | 12.5 | 13.2 | 14.7 | 15.3 | 15.9 | 16.2 | 15.9 | 16.2 | 16.4 | 16.6 | 17.0 | 17.0              | 17.3         | 5.2        | 24.1        | 12.4           | 12.7  | 11.7 |  |       |
| 21                         | 17.5 | 17.7 | 19.8 | 22.0 | 23.0 | 22.6 | 21.3 | 20.2 | 18.3 | 15.7 | 12.7 | 11.4 | 10.8 | 12.3 | 14.0 | 15.7 | 16.4 | 16.6 | 16.2 | 16.2 | 16.2 | 16.6 | 16.8 | 16.8              | 17.0         | 4.1        | 23.5        | 10.4           | 12.2  | 13.1 |  |       |
| 22                         | 17.1 | 17.7 | 19.4 | 21.1 | 21.8 | 22.2 | 21.9 | 20.9 | 18.7 | 15.5 | 12.6 | 11.0 | 11.0 | 12.9 | 15.1 | 16.6 | 16.0 | 15.7 | 15.9 | 16.2 | 17.0 | 16.6 | 17.7 | 18.1              | 17.0         | 5.2        | 22.5        | 10.8           | 11.6  | 11.7 |  |       |
| 23                         | 18.5 | 19.4 | 20.5 | 22.2 | 23.5 | 23.7 | 22.8 | 19.6 | 15.7 | 14.1 | 12.5 | 11.4 | 11.9 | 13.6 | 15.3 | 16.2 | 16.8 | 16.6 | 17.4 | 17.7 | 17.8 | 17.5 | 17.7 | 17.7              | 17.5         | 5.5        | 24.0        | 11.3           | 11.5  | 12.7 |  |       |
| 24                         | 17.5 | 17.5 | 18.3 | 21.1 | 23.2 | 24.1 | 22.4 | 19.6 | 15.7 | 12.2 | 9.3  | 8.4  | 8.7  | 10.2 | 12.3 | 14.9 | 15.3 | 15.3 | 15.3 | 16.2 | 16.6 | 17.7 | 18.2 | 18.3              | 16.2         | 5.6        | 24.5        | 8.0            | 12.0  | 16.5 |  |       |
| 25                         | 17.9 | 17.0 | 20.0 | 23.0 | 24.1 | 23.8 | 23.2 | 20.7 | 16.6 | 14.0 | 11.8 | 10.5 | 11.0 | 13.6 | 16.2 | 17.2 | 17.0 | 16.6 | 16.8 | 16.8 | 17.0 | 17.2 | 17.7 | 18.3              | 17.4         | 4.8        | 24.7        | 10.2           | 11.8  | 14.5 |  |       |
| 26                         | 17.8 | 18.7 | 20.2 | 22.4 | 23.0 | 22.1 | 20.0 | 17.0 | 13.2 | 11.3 | 9.7  | 10.2 | 10.5 | 13.4 | 17.0 | 18.2 | 17.9 | 17.5 | 18.1 | 19.4 | 19.6 | 19.2 | 19.8 | 19.6              | 17.3         | 4.4        | 23.5        | 9.4            | 10.6  | 14.1 |  |       |
| 27 Q                       | 19.8 | 20.2 | 21.5 | 23.2 | 24.3 | 24.1 | 21.5 | 18.3 | 15.5 | 13.8 | 13.4 | 13.2 | 13.5 | 14.7 | 16.6 | 17.5 | 17.3 | 17.2 | 17.5 | 17.9 | 18.0 | 18.1 | 18.3 | 18.7              | 18.1         | 4.9        | 24.7        | 12.9           | 11.4  | 11.8 |  |       |
| 28 Q                       | 18.4 | 18.7 | 18.8 | 20.7 | 22.2 | 23.8 | 23.9 | 21.9 | 18.7 | 15.7 | 12.1 | 10.2 | 11.4 | 14.0 | 16.2 | 17.5 | 17.9 | 17.5 | 17.5 | 17.5 | 17.2 | 17.5 | 17.9 | 18.0              | 17.7         | 6.4        | 24.3        | 10.1           | 11.3  | 14.2 |  |       |
| 29                         | 18.3 | 18.9 | 20.9 | 21.7 | 22.4 | 22.6 | 21.7 | 18.7 | 15.3 | 12.7 | 10.6 | 10.4 | 11.4 | 12.7 | 15.1 | 16.4 | 17.0 | 16.7 | 17.2 | 16.6 | 17.0 | 16.9 | 17.0 | 17.2              | 16.9         | 5.8        | 22.9        | 9.5            | 10.8  | 13.4 |  |       |
| 30                         | 18.3 | 19.8 | 22.1 | 24.5 | 25.2 | 24.9 | 22.6 | 18.7 | 15.7 | 13.2 | 12.4 | 11.9 | 12.7 | 14.0 | 15.3 | 16.6 | 16.7 | 16.4 | 16.6 | 17.0 | 17.5 | 17.7 | 17.9 | 18.1              | 17.7         | 4.6        | 25.5        | 11.7           | 11.5  | 13.8 |  |       |
| 31                         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |      |  |       |
| Среднее по<br>всем дням    | 18.2 | 19.0 | 20.3 | 22.4 | 23.6 | 23.7 | 22.3 | 19.6 | 16.2 | 13.6 | 11.8 | 11.1 | 12.0 | 13.8 | 15.7 | 16.8 | 17.1 | 16.9 | 17.2 | 17.4 | 17.4 | 17.6 | 17.9 | 17.9              | 17.5         |            | 24.5        | 10.6           |       | 13.9 |  |       |
| Среднее по<br>сп. дням     | 18.1 | 18.6 | 19.9 | 21.9 | 23.1 | 23.6 | 22.4 | 19.7 | 16.5 | 14.1 | 12.2 | 11.2 | 12.0 | 13.9 | 15.9 | 17.0 | 17.1 | 16.9 | 17.0 | 17.1 | 17.1 | 17.3 | 17.4 | 17.5              | 17.4         |            | 24.0        | 10.9           |       | 13.1 |  |       |
| Среднее по<br>возмущ. дням | 19.0 | 20.3 | 21.4 | 23.6 | 24.9 | 24.6 | 22.3 | 19.0 | 15.5 | 13.2 | 11.9 | 11.9 | 14.1 | 16.7 | 17.9 | 18.6 | 19.0 | 18.2 | 19.0 | 19.2 | 18.0 | 18.6 | 18.8 | 18.7              | 18.5         |            | 26.0        | 10.9           |       | 15.1 |  |       |
| Сумма по<br>всем дням      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |      |  |       |
| Сумма по<br>сп. дням       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |      |  |       |
| Сумма по<br>возмущ. дням   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |      |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Безситаивили И. А.Проверил Хушншвили И. И.



Месяц Июнь год 1980 $H = 24110^{\circ} + \quad = \quad = \quad$ 

| Время<br>книжное           |     |    |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |  |  | Сумма |    |
|----------------------------|-----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|----|
|                            | Дни | 1  | 2   | 3   | 4   | 5   | 6   | 7   | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22  | 23  |                   |              |            |             |                |       |  |  |       | 24 |
| 1                          | 56  | 58 | 67  | 56  | 40  | 32  | 24  | 20  | 24 | 18 | 17 | 29 | 12 | 2  | -6 | -9 | 11 | 22 | 24 | 23 | 26 | 38 | 42  | 38  | 28                | 2.4          | 70         | -13         | 15.4           | 83    |  |  |       |    |
| 2                          | 45  | 45 | 45  | 39  | 30  | 18  | 7   | 4   | 18 | 42 | 62 | 71 | 72 | 66 | 59 | 54 | 53 | 58 | 64 | 63 | 60 | 58 | 57  | 56  | 48                | 12.1         | 76         | 2           | 7.7            | 74    |  |  |       |    |
| 3                          | 60  | 66 | 70  | 65  | 56  | 42  | 39  | 42  | 41 | 38 | 44 | 51 | 51 | 63 | 58 | 54 | 64 | 67 | 74 | 70 | 64 | 60 | 64  | 68  | 57                | 18.5         | 77         | 32          | 9.8            | 45    |  |  |       |    |
| 4                          | 69  | 76 | 76  | 71  | 62  | 57  | 60  | 66  | 72 | 80 | 84 | 84 | 84 | 79 | 71 | 65 | 65 | 66 | 71 | 72 | 75 | 76 | 71  | 70  | 72                | 10.1         | 89         | 54          | 5.7            | 35    |  |  |       |    |
| 5 Q                        | 70  | 72 | 74  | 71  | 68  | 65  | 62  | 60  | 64 | 59 | 70 | 76 | 78 | 74 | 64 | 54 | 56 | 59 | 62 | 62 | 61 | 60 | 62  | 60  | 65                | 12.8         | 79         | 51          | 15.8           | 28    |  |  |       |    |
| 6                          | 65  | 67 | 72  | 70  | 60  | 52  | 48  | 50  | 54 | 56 | 58 | 64 | 70 | 82 | 88 | 89 | 80 | 88 | 78 | 84 | 89 | 86 | 104 | 125 | 74                | 22.7         | 155        | 30          | 16.2           | 125   |  |  |       |    |
| 7 D                        | 88  | 87 | 100 | 83  | 69  | 60  | 56  | 53  | 70 | 68 | 71 | 58 | 60 | 62 | 47 | 47 | 66 | 64 | 65 | 68 | 62 | 59 | 78  | 72  | 67                | 2.1          | 109        | 36          | 15.0           | 73    |  |  |       |    |
| 8                          | 63  | 60 | 62  | 36  | 31  | 24  | 11  | -1  | 28 | 39 | 54 | 44 | 40 | 56 | 46 | 42 | 44 | 47 | 62 | 62 | 54 | 48 | 50  | 51  | 44                | 1.8          | 72         | -12         | 7.5            | 84    |  |  |       |    |
| 9                          | 54  | 58 | 56  | 50  | 48  | 45  | 46  | 48  | 58 | 48 | 50 | 62 | 62 | 56 | 54 | 49 | 56 | 64 | 63 | 70 | 67 | 59 | 64  | 60  | 56                | 19.7         | 74         | 37          | 10.0           | 37    |  |  |       |    |
| 10 D                       | 66  | 65 | 68  | 60  | 42  | 17  | 5   | 14  | 22 | 29 | 32 | 30 | 36 | 37 | 40 | 36 | 52 | 64 | 56 | 38 | 44 | 48 | 54  | 40  | 41                | 17.2         | 86         | -3          | 6.3            | 89    |  |  |       |    |
| 11 D                       | 52  | 62 | 62  | 54  | 35  | 18  | 17  | 10  | -4 | 5  | 12 | 5  | 26 | 28 | -2 | -4 | -2 | 22 | 20 | 26 | 23 | 31 | 36  | 42  | 24                | 2.9          | 70         | -26         | 16.1           | 96    |  |  |       |    |
| 12 D                       | 45  | 37 | 42  | 22  | 6   | 4   | -8  | -13 | 5  | 17 | 29 | 23 | 22 | 10 | 9  | 9  | 11 | 30 | 40 | 36 | 36 | 24 | 29  | 38  | 21                | 23.2         | 56         | -16         | 7.5            | 72    |  |  |       |    |
| 13 D                       | 15  | 22 | 34  | 38  | 11  | -12 | -10 | -10 | 15 | 18 | 6  | 17 | 20 | 20 | 22 | 29 | 37 | 32 | 30 | 26 | 27 | 34 | 30  | 32  | 20                | 31.1         | 52         | -20         | 6.2            | 72    |  |  |       |    |
| 14                         | 38  | 34 | 34  | 28  | 22  | 20  | 23  | 30  | 46 | 52 | 58 | 59 | 59 | 48 | 42 | 46 | 50 | 45 | 48 | 54 | 54 | 54 | 50  | 54  | 44                | 12.1         | 64         | 18          | 5.3            | 46    |  |  |       |    |
| 15                         | 52  | 55 | 59  | 52  | 43  | 36  | 29  | 29  | 40 | 54 | 60 | 59 | 54 | 56 | 56 | 52 | 54 | 54 | 61 | 64 | 62 | 62 | 59  | 59  | 53                | 19.0         | 70         | 24          | 7.3            | 46    |  |  |       |    |
| 16                         | 60  | 61 | 64  | 60  | 51  | 40  | 35  | 35  | 46 | 54 | 58 | 62 | 65 | 71 | 58 | 58 | 59 | 40 | 42 | 42 | 46 | 48 | 50  | 47  | 52                | 13.4         | 74         | 34          | 7.6            | 40    |  |  |       |    |
| 17 Q                       | 52  | 58 | 64  | 62  | 58  | 52  | 42  | 36  | 48 | 64 | 66 | 68 | 68 | 65 | 62 | 59 | 58 | 60 | 62 | 64 | 64 | 64 | 64  | 61  | 59                | 11.7         | 71         | 34          | 7.6            | 37    |  |  |       |    |
| 18 Q                       | 62  | 64 | 66  | 66  | 70  | 72  | 72  | 72  | 68 | 64 | 59 | 69 | 71 | 68 | 65 | 64 | 64 | 71 | 74 | 76 | 72 | 71 | 71  | 73  | 68                | 19.6         | 77         | 57          | 10.5           | 20    |  |  |       |    |
| 19                         | 76  | 80 | 89  | 95  | 88  | 75  | 64  | 60  | 56 | 64 | 65 | 62 | 56 | 64 | 76 | 72 | 80 | 74 | 74 | 66 | 65 | 71 | 76  | 70  | 72                | 3.5          | 98         | 53          | 12.5           | 45    |  |  |       |    |
| 20                         | 68  | 71 | 75  | 74  | 73  | 68  | 70  | 72  | 78 | 77 | 76 | 72 | 64 | 70 | 68 | 65 | 71 | 71 | 73 | 76 | 74 | 76 | 74  | 73  | 72                | 8.9          | 82         | 62          | 12.8           | 20    |  |  |       |    |
| 21                         | 74  | 77 | 84  | 85  | 76  | 68  | 56  | 56  | 60 | 66 | 72 | 72 | 74 | 71 | 70 | 71 | 58 | 60 | 64 | 66 | 68 | 67 | 66  | 68  | 69                | 2.8          | 89         | 48          | 16.8           | 41    |  |  |       |    |
| 22                         | 65  | 69 | 76  | 76  | 68  | 64  | 64  | 66  | 72 | 78 | 82 | 80 | 74 | 74 | 68 | 68 | 64 | 70 | 71 | 72 | 68 | 64 | 60  | 58  | 70                | 11.0         | 84         | 56          | 23.9           | 28    |  |  |       |    |
| 23                         | 58  | 68 | 72  | 67  | 59  | 48  | 40  | 42  | 59 | 72 | 78 | 76 | 72 | 72 | 65 | 60 | 60 | 63 | 66 | 68 | 66 | 60 | 60  | 62  | 63                | 10.2         | 82         | 36          | 7.0            | 46    |  |  |       |    |
| 24                         | 66  | 72 | 88  | 116 | 108 | 90  | 80  | 77  | 71 | 65 | 72 | 74 | 65 | 70 | 60 | 62 | 64 | 64 | 71 | 78 | 80 | 71 | 66  | 58  | 74                | 3.3          | 120        | 52          | 14.6           | 68    |  |  |       |    |
| 25                         | 58  | 70 | 71  | 73  | 62  | 52  | 41  | 46  | 54 | 63 | 74 | 72 | 71 | 72 | 67 | 60 | 63 | 67 | 74 | 78 | 78 | 81 | 74  | 69  | 66                | 20.7         | 99         | 34          | 6.8            | 65    |  |  |       |    |
| 26                         | 89  | 86 | 82  | 72  | 59  | 47  | 46  | 36  | 46 | 56 | 60 | 74 | 83 | 74 | 69 | 58 | 50 | 44 | 36 | 30 | 14 | 24 | 29  | 30  | 54                | 0.5          | 96         | 10          | 20.7           | 86    |  |  |       |    |
| 27 Q                       | 34  | 44 | 51  | 48  | 42  | 34  | 26  | 23  | 29 | 38 | 46 | 53 | 58 | 58 | 50 | 40 | 42 | 48 | 53 | 54 | 54 | 54 | 54  | 54  | 45                | 13.3         | 60         | 16          | 7.4            | 44    |  |  |       |    |
| 28 Q                       | 57  | 59 | 65  | 65  | 59  | 54  | 46  | 42  | 48 | 56 | 58 | 64 | 69 | 66 | 64 | 54 | 55 | 58 | 58 | 58 | 59 | 58 | 58  | 58  | 58                | 12.4         | 71         | 41          | 7.2            | 30    |  |  |       |    |
| 29                         | 60  | 65 | 75  | 78  | 73  | 62  | 48  | 35  | 42 | 62 | 70 | 73 | 75 | 77 | 73 | 65 | 60 | 68 | 70 | 66 | 66 | 71 | 70  | 66  | 65                | 3.8          | 80         | 32          | 7.8            | 48    |  |  |       |    |
| 30                         | 68  | 60 | 66  | 72  | 59  | 50  | 48  | 52  | 62 | 66 | 71 | 74 | 64 | 64 | 65 | 55 | 53 | 59 | 62 | 62 | 60 | 60 | 59  | 60  | 61                | 11.2         | 80         | 46          | 7.1            | 34    |  |  |       |    |
| 31                         |     |    |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |                   |              |            |             |                |       |  |  |       |    |
| Среднее по<br>всем дням    | 60  | 62 | 67  | 63  | 54  | 45  | 40  | 38  | 46 | 52 | 57 | 59 | 59 | 59 | 54 | 51 | 53 | 57 | 59 | 59 | 58 | 58 | 59  | 59  | 55                |              | 82         | 27          |                | 56    |  |  |       |    |
| Среднее по<br>сп. дням     | 55  | 59 | 64  | 62  | 59  | 55  | 50  | 47  | 51 | 56 | 60 | 66 | 69 | 66 | 61 | 54 | 55 | 59 | 62 | 63 | 62 | 61 | 62  | 61  | 59                |              | 72         | 40          |                | 32    |  |  |       |    |
| Среднее по<br>возмущ. дням | 53  | 55 | 61  | 51  | 33  | 17  | 12  | 11  | 22 | 27 | 30 | 27 | 33 | 31 | 23 | 23 | 33 | 42 | 42 | 39 | 38 | 39 | 45  | 45  | 35                |              | 75         | -6          |                | 80    |  |  |       |    |
| Сумма по<br>всем дням      |     |    |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |                   |              |            |             |                |       |  |  |       |    |
| Сумма по<br>сп. дням       |     |    |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |                   |              |            |             |                |       |  |  |       |    |
| Сумма по<br>возмущ. дням   |     |    |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |                   |              |            |             |                |       |  |  |       |    |

Месяц Июнь год 1980 $\bar{I} = 42020^+ + =$ 

| Время<br>ириное            |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>тит | Ампл. |     | Сумма |      |     |      |      |    |
|----------------------------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-------------------|--------------|------------|-------------|--------------|-------|-----|-------|------|-----|------|------|----|
|                            | 1   | 2   | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16  | 17  |                   |              |            |             |              |       |     |       | 18   | 19  | 20   | 21   | 22 |
| Дни                        | 1   | 2   | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16  | 17  | 18                | 19           | 20         | 21          | 22           | 23    | 24  |       |      |     |      |      |    |
| 1                          | 90  | 94  | 97  | 99  | 95  | 91  | 87 | 83 | 85 | 92 | 94 | 99 | 107 | 115 | 118 | 113 | 105 | 105               | 104          | 103        | 102         | 99           | 96    | 97  | 99    | 14.3 | 118 | 81   | 7.7  | 37 |
| 2                          | 97  | 99  | 101 | 100 | 96  | 92  | 86 | 73 | 62 | 61 | 61 | 68 | 77  | 90  | 95  | 94  | 92  | 93                | 93           | 94         | 93          | 94           | 93    | 93  | 87    | 3.2  | 103 | 58   | 10.1 | 45 |
| 3                          | 92  | 93  | 96  | 99  | 100 | 97  | 87 | 81 | 70 | 66 | 57 | 55 | 62  | 76  | 87  | 89  | 89  | 91                | 91           | 94         | 94          | 94           | 93    | 91  | 85    | 4.8  | 101 | 53   | 11.1 | 48 |
| 4                          | 91  | 93  | 97  | 97  | 96  | 92  | 85 | 80 | 75 | 71 | 68 | 66 | 68  | 75  | 84  | 91  | 90  | 89                | 89           | 89         | 90          | 89           | 89    | 89  | 85    | 2.9  | 98  | 65   | 11.5 | 33 |
| 5Q                         | 89  | 92  | 96  | 97  | 94  | 95  | 93 | 86 | 75 | 66 | 63 | 69 | 80  | 90  | 97  | 94  | 90  | 89                | 90           | 90         | 90          | 90           | 89    | 89  | 87    | 14.8 | 98  | 61   | 10.8 | 37 |
| 6                          | 90  | 93  | 97  | 97  | 97  | 95  | 86 | 75 | 72 | 74 | 74 | 78 | 84  | 88  | 92  | 90  | 89  | 99                | 92           | 91         | 91          | 91           | 88    | 86  | 88    | 3.9  | 98  | 71   | 8.2  | 27 |
| 7D                         | 87  | 86  | 86  | 88  | 89  | 89  | 83 | 74 | 66 | 62 | 63 | 68 | 68  | 79  | 91  | 88  | 86  | 90                | 93           | 93         | 92          | 92           | 87    | 89  | 83    | 18.9 | 95  | 61   | 9.8  | 34 |
| 8                          | 89  | 91  | 86  | 83  | 86  | 90  | 85 | 83 | 81 | 78 | 75 | 78 | 87  | 91  | 95  | 94  | 93  | 93                | 93           | 95         | 94          | 93           | 93    | 88  | 14.7  | 97   | 73  | 10.7 | 24   |    |
| 9                          | 93  | 95  | 98  | 97  | 94  | 90  | 83 | 77 | 69 | 65 | 66 | 72 | 81  | 88  | 92  | 94  | 91  | 89                | 90           | 91         | 92          | 94           | 93    | 91  | 87    | 2.9  | 100 | 64   | 9.6  | 36 |
| 10D                        | 89  | 91  | 95  | 94  | 91  | 87  | 83 | 77 | 72 | 80 | 88 | 92 | 93  | 93  | 99  | 99  | 99  | 96                | 97           | 98         | 98          | 97           | 94    | 94  | 92    | 14.9 | 101 | 71   | 8.0  | 30 |
| 11D                        | 93  | 95  | 97  | 97  | 93  | 90  | 83 | 79 | 79 | 84 | 85 | 90 | 101 | 114 | 123 | 121 | 115 | 89                | 106          | 105        | 103         | 101          | 99    | 96  | 97    | 14.6 | 125 | 76   | 8.1  | 49 |
| 12D                        | 96  | 101 | 101 | 103 | 104 | 100 | 89 | 81 | 77 | 77 | 82 | 95 | 106 | 107 | 105 | 105 | 104 | 103               | 105          | 104        | 102         | 102          | 101   | 99  | 98    | 13.3 | 110 | 74   | 9.0  | 36 |
| 13D                        | 101 | 104 | 102 | 101 | 104 | 97  | 85 | 74 | 69 | 76 | 88 | 95 | 104 | 107 | 107 | 107 | 107 | 107               | 106          | 104        | 104         | 104          | 103   | 101 | 98    | 14.3 | 108 | 68   | 8.5  | 40 |
| 14                         | 102 | 106 | 108 | 104 | 93  | 84  | 76 | 67 | 67 | 67 | 72 | 79 | 84  | 90  | 97  | 99  | 99  | 99                | 98           | 98         | 98          | 97           | 97    | 97  | 91    | 2.8  | 109 | 65   | 7.5  | 44 |
| 15                         | 99  | 101 | 101 | 102 | 100 | 96  | 84 | 73 | 66 | 67 | 65 | 70 | 77  | 84  | 93  | 97  | 95  | 95                | 95           | 95         | 95          | 95           | 96    | 95  | 89    | 3.4  | 102 | 64   | 10.7 | 38 |
| 16                         | 99  | 98  | 101 | 101 | 100 | 97  | 87 | 79 | 73 | 69 | 68 | 71 | 77  | 91  | 101 | 105 | 104 | 104               | 101          | 99         | 99          | 100          | 97    | 97  | 92    | 15.7 | 107 | 67   | 10.5 | 40 |
| 17Q                        | 98  | 101 | 105 | 106 | 103 | 100 | 94 | 90 | 79 | 77 | 80 | 76 | 78  | 83  | 91  | 94  | 93  | 94                | 95           | 95         | 95          | 94           | 93    | 93  | 92    | 3.1  | 107 | 74   | 11.7 | 33 |
| 18Q                        | 93  | 96  | 98  | 96  | 88  | 79  | 71 | 67 | 59 | 59 | 61 | 65 | 69  | 78  | 84  | 87  | 87  | 88                | 87           | 89         | 89          | 90           | 89    | 89  | 82    | 2.7  | 99  | 58   | 9.2  | 41 |
| 19                         | 89  | 90  | 93  | 93  | 89  | 91  | 87 | 76 | 72 | 72 | 73 | 75 | 74  | 76  | 81  | 86  | 86  | 91                | 92           | 93         | 93          | 93           | 92    | 90  | 85    | 3.2  | 96  | 70   | 9.0  | 26 |
| 20                         | 90  | 91  | 94  | 94  | 91  | 86  | 73 | 57 | 54 | 55 | 60 | 63 | 67  | 75  | 84  | 87  | 86  | 85                | 87           | 87         | 88          | 89           | 87    | 87  | 80    | 2.9  | 97  | 53   | 8.0  | 44 |
| 21                         | 88  | 91  | 91  | 93  | 89  | 82  | 74 | 70 | 67 | 67 | 70 | 68 | 72  | 81  | 86  | 89  | 91  | 89                | 88           | 88         | 87          | 87           | 87    | 86  | 83    | 3.3  | 94  | 64   | 9.2  | 30 |
| 22                         | 88  | 90  | 93  | 91  | 86  | 82  | 77 | 66 | 58 | 51 | 51 | 54 | 67  | 81  | 86  | 86  | 84  | 84                | 85           | 87         | 85          | 86           | 85    | 86  | 79    | 2.9  | 94  | 48   | 9.7  | 46 |
| 23                         | 87  | 89  | 92  | 92  | 88  | 83  | 75 | 60 | 51 | 53 | 53 | 57 | 63  | 74  | 86  | 89  | 87  | 85                | 85           | 85         | 84          | 85           | 86    | 85  | 78    | 2.6  | 94  | 50   | 8.3  | 44 |
| 24                         | 86  | 87  | 89  | 91  | 87  | 77  | 62 | 53 | 46 | 43 | 42 | 49 | 65  | 75  | 82  | 84  | 85  | 86                | 85           | 86         | 85          | 87           | 88    | 89  | 75    | 3.5  | 92  | 41   | 10.3 | 51 |
| 25                         | 89  | 90  | 90  | 90  | 88  | 83  | 74 | 67 | 62 | 59 | 59 | 65 | 73  | 79  | 87  | 87  | 83  | 82                | 82           | 83         | 83          | 85           | 85    | 85  | 80    | 3.0  | 91  | 57   | 10.4 | 34 |
| 26                         | 82  | 83  | 83  | 85  | 86  | 75  | 60 | 52 | 50 | 52 | 54 | 58 | 73  | 87  | 101 | 99  | 94  | 93                | 95           | 95         | 97          | 95           | 93    | 93  | 81    | 14.8 | 104 | 48   | 8.7  | 56 |
| 27Q                        | 94  | 96  | 99  | 103 | 91  | 81  | 67 | 61 | 60 | 65 | 63 | 62 | 69  | 79  | 85  | 87  | 84  | 85                | 87           | 88         | 88          | 88           | 87    | 87  | 82    | 3.4  | 104 | 59   | 8.6  | 45 |
| 28Q                        | 87  | 89  | 91  | 93  | 92  | 86  | 81 | 76 | 63 | 52 | 55 | 66 | 72  | 75  | 84  | 87  | 85  | 84                | 85           | 85         | 85          | 86           | 86    | 86  | 80    | 3.8  | 94  | 50   | 9.8  | 44 |
| 29                         | 86  | 88  | 91  | 87  | 77  | 70  | 69 | 63 | 48 | 41 | 47 | 58 | 67  | 77  | 82  | 83  | 85  | 84                | 83           | 83         | 83          | 84           | 85    | 86  | 75    | 2.5  | 92  | 39   | 9.4  | 53 |
| 30                         | 84  | 86  | 90  | 91  | 89  | 82  | 68 | 64 | 62 | 61 | 65 | 71 | 74  | 79  | 85  | 89  | 87  | 85                | 88           | 87         | 88          | 87           | 86    | 86  | 81    | 3.8  | 93  | 60   | 9.7  | 33 |
| 31                         |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |     |     |                   |              |            |             |              |       |     |       |      |     |      |      |    |
| Среднее по<br>всем дням    | 91  | 93  | 95  | 95  | 93  | 88  | 80 | 72 | 66 | 65 | 67 | 71 | 78  | 86  | 93  | 94  | 92  | 92                | 92           | 92         | 92          | 92           | 91    | 91  | 86    |      | 101 | 61   |      | 39 |
| Среднее по<br>сп. дням     | 92  | 95  | 98  | 99  | 94  | 88  | 81 | 76 | 67 | 64 | 64 | 68 | 74  | 81  | 88  | 90  | 88  | 88                | 89           | 89         | 89          | 90           | 89    | 89  | 85    |      | 100 | 60   |      | 40 |
| Среднее по<br>возмущ. дням | 93  | 95  | 96  | 97  | 96  | 93  | 85 | 77 | 73 | 76 | 81 | 88 | 94  | 100 | 105 | 104 | 102 | 97                | 101          | 101        | 100         | 99           | 97    | 96  | 94    |      | 108 | 70   |      | 38 |
| Сумма по<br>всем дням      |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |     |     |                   |              |            |             |              |       |     |       |      |     |      |      |    |
| Сумма по<br>сп. дням       |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |     |     |                   |              |            |             |              |       |     |       |      |     |      |      |    |
| Сумма по<br>возмущ. дням   |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |     |     |                   |              |            |             |              |       |     |       |      |     |      |      |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Чикадзе Г. И.Проверил Бетситашвили Ш. А.

Обсерватория Душети (Тбилиси)Среднемесячн.  $\Phi = 5^{\circ}00',4$ Элемент СклонениеМесяц Июль год 1980 $\delta = 4^{\circ}43',0 + =$ 

| Время<br>кировое |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Maxi<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |  | Сумма |  |
|------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|-------------|-------------|----------------|-------|------|--|-------|--|
| Дни              |  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24                |              |             |             |                |       |      |  |       |  |
| Q 1              |  | 18.1 | 18.9 | 21.3 | 23.0 | 23.7 | 23.7 | 22.4 | 18.7 | 15.3 | 12.7 | 10.6 | 9.3  | 9.9  | 12.7 | 15.7 | 16.6 | 16.5 | 16.6 | 16.5 | 17.0 | 17.0 | 16.9 | 17.5 | 17.2              | 17.0         | 4.9         | 24.0        | 9.2            | 11.9  | 14.8 |  |       |  |
| Q 2              |  | 17.5 | 18.1 | 20.0 | 22.6 | 23.9 | 23.5 | 21.7 | 18.1 | 14.4 | 11.9 | 10.8 | 11.2 | 12.5 | 14.9 | 16.6 | 17.5 | 17.0 | 16.6 | 16.8 | 16.8 | 17.1 | 17.5 | 17.5 | 17.5              | 17.2         | 4.9         | 24.1        | 10.6           | 10.6  | 13.5 |  |       |  |
| Q 3              |  | 17.9 | 18.7 | 21.1 | 23.0 | 23.8 | 23.0 | 21.5 | 17.9 | 15.1 | 12.7 | 11.2 | 10.6 | 11.1 | 12.1 | 14.4 | 15.9 | 16.2 | 16.2 | 16.4 | 16.6 | 16.7 | 17.0 | 17.2 | 17.2              | 16.8         | 4.6         | 24.1        | 10.2           | 11.2  | 13.9 |  |       |  |
| 4                |  | 17.2 | 17.9 | 20.0 | 22.6 | 23.8 | 23.7 | 21.7 | 19.5 | 17.1 | 14.8 | 13.1 | 13.2 | 12.5 | 13.6 | 16.6 | 16.6 | 16.4 | 15.7 | 15.5 | 15.9 | 16.2 | 17.1 | 17.2 | 17.0              | 17.3         | 4.9         | 24.1        | 12.3           | 12.9  | 11.8 |  |       |  |
| D 5              |  | 17.4 | 17.9 | 19.8 | 21.5 | 21.1 | 22.2 | 20.9 | 18.9 | 16.1 | 14.0 | 13.0 | 11.9 | 11.1 | 10.9 | 12.9 | 15.1 | 16.5 | 18.3 | 20.0 | 17.5 | 17.2 | 17.7 | 18.3 | 18.7              | 17.0         | 5.2         | 22.6        | 10.2           | 13.2  | 12.4 |  |       |  |
| 6                |  | 18.9 | 19.6 | 21.5 | 23.9 | 24.8 | 24.3 | 21.7 | 19.5 | 17.8 | 16.6 | 15.1 | 12.7 | 11.2 | 12.7 | 14.0 | 14.2 | 14.0 | 14.2 | 15.2 | 16.2 | 17.0 | 17.9 | 18.3 | 18.7              | 17.5         | 4.9         | 25.6        | 10.8           | 12.3  | 14.8 |  |       |  |
| 7                |  | 19.4 | 19.2 | 20.7 | 21.8 | 22.8 | 22.2 | 19.6 | 16.2 | 12.3 | 11.0 | 10.2 | 9.6  | 11.0 | 13.6 | 15.3 | 15.9 | 16.3 | 15.7 | 16.2 | 17.0 | 17.7 | 17.7 | 18.0 | 18.1              | 16.6         | 4.2         | 23.1        | 9.3            | 11.9  | 13.8 |  |       |  |
| 8                |  | 18.5 | 17.9 | 18.9 | 20.9 | 21.3 | 20.9 | 19.4 | 16.8 | 15.3 | 14.4 | 13.8 | 13.2 | 13.8 | 15.7 | 16.8 | 17.2 | 17.2 | 17.5 | 18.5 | 17.9 | 17.8 | 18.2 | 18.3 | 18.4              | 17.4         | 4.9         | 21.9        | 13.1           | 11.1  | 8.8  |  |       |  |
| 9                |  | 19.2 | 19.6 | 21.3 | 22.2 | 20.9 | 20.5 | 19.9 | 18.5 | 16.4 | 14.7 | 11.9 | 11.2 | 11.8 | 13.2 | 14.7 | 15.7 | 15.9 | 16.4 | 17.0 | 17.7 | 17.5 | 17.9 | 17.9 | 17.9              | 17.1         | 3.7         | 22.6        | 11.1           | 11.1  | 11.5 |  |       |  |
| Q 10             |  | 17.9 | 18.7 | 20.2 | 21.3 | 21.8 | 21.9 | 21.1 | 18.9 | 15.6 | 12.7 | 10.9 | 10.2 | 10.6 | 12.3 | 14.9 | 16.2 | 16.6 | 16.2 | 17.0 | 17.2 | 17.8 | 17.5 | 17.9 | 18.3              | 16.8         | 5.2         | 22.4        | 10.1           | 11.6  | 12.3 |  |       |  |
| 11               |  | 18.3 | 18.1 | 19.6 | 22.6 | 23.7 | 23.5 | 22.2 | 19.8 | 16.8 | 14.1 | 12.7 | 11.9 | 12.1 | 12.5 | 15.3 | 15.3 | 15.5 | 15.6 | 16.5 | 17.5 | 17.4 | 17.7 | 16.9 | 17.5              | 17.2         | 4.7         | 24.0        | 11.7           | 11.9  | 12.3 |  |       |  |
| 12               |  | 16.8 | 17.9 | 20.5 | 22.8 | 24.3 | 23.9 | 21.3 | 18.1 | 14.7 | 12.5 | 11.0 | 8.9  | 9.7  | 11.9 | 14.9 | 16.4 | 17.0 | 17.5 | 17.5 | 17.0 | 17.0 | 16.6 | 16.2 | 15.9              | 16.7         | 5.1         | 24.7        | 8.4            | 11.4  | 16.3 |  |       |  |
| 13               |  | 16.2 | 17.7 | 19.6 | 22.8 | 23.2 | 22.9 | 21.3 | 18.9 | 15.7 | 12.3 | 9.6  | 9.9  | 11.4 | 14.0 | 17.0 | 18.5 | 18.9 | 18.3 | 17.5 | 17.7 | 17.1 | 17.1 | 17.1 | 17.4              | 17.2         | 4.0         | 24.1        | 9.3            | 10.8  | 14.8 |  |       |  |
| 14               |  | 17.7 | 17.9 | 20.0 | 22.2 | 22.8 | 22.8 | 20.9 | 17.9 | 14.9 | 13.1 | 11.7 | 11.9 | 12.1 | 13.6 | 15.3 | 16.6 | 17.0 | 17.0 | 16.7 | 17.1 | 17.1 | 17.0 | 16.6 | 17.7              | 17.0         | 4.0         | 23.1        | 11.4           | 10.5  | 11.7 |  |       |  |
| 15               |  | 17.9 | 18.7 | 21.3 | 22.6 | 23.7 | 24.1 | 23.0 | 20.8 | 16.2 | 12.3 | 9.7  | 8.4  | 8.9  | 11.9 | 14.9 | 16.8 | 16.8 | 16.6 | 16.6 | 16.6 | 16.2 | 16.6 | 17.0 | 16.6              | 16.8         | 5.5         | 24.3        | 8.0            | 11.6  | 16.3 |  |       |  |
| 16               |  | 16.6 | 17.0 | 20.0 | 22.8 | 25.1 | 25.4 | 24.2 | 20.9 | 15.7 | 11.9 | 10.2 | 9.5  | 10.6 | 12.9 | 16.4 | 18.2 | 17.5 | 16.6 | 16.6 | 16.4 | 16.4 | 15.8 | 16.6 | 17.0              | 17.1         | 5.5         | 25.7        | 9.3            | 11.5  | 16.4 |  |       |  |
| 17               |  | 17.3 | 17.5 | 19.5 | 22.4 | 23.5 | 22.4 | 20.0 | 16.6 | 12.5 | 10.4 | 9.3  | 9.5  | 10.4 | 12.7 | 15.9 | 17.5 | 17.0 | 16.6 | 17.2 | 16.4 | 16.4 | 17.5 | 17.5 | 16.8              | 16.4         | 4.7         | 23.8        | 8.9            | 10.5  | 14.9 |  |       |  |
| D 18             |  | 17.2 | 18.1 | 21.7 | 23.5 | 23.9 | 23.5 | 20.5 | 17.2 | 14.9 | 12.9 | 11.7 | 11.2 | 12.1 | 14.4 | 15.7 | 16.8 | 17.7 | 17.0 | 17.5 | 17.5 | 18.3 | 25.6 | 23.7 | 20.5              | 18.0         | 21.6        | 29.7        | 9.3            | 11.6  | 20.4 |  |       |  |
| 19               |  | 21.9 | 23.0 | 24.1 | 26.0 | 24.7 | 22.4 | 22.6 | 19.6 | 16.2 | 14.2 | 13.8 | 13.4 | 13.4 | 14.4 | 16.6 | 17.9 | 17.9 | 17.5 | 18.9 | 17.7 | 17.9 | 18.1 | 18.7 | 19.1              | 18.8         | 3.9         | 27.6        | 13.1           | 12.1  | 14.5 |  |       |  |
| 20               |  | 19.4 | 20.5 | 22.4 | 24.3 | 25.6 | 26.3 | 24.3 | 20.9 | 17.7 | 15.5 | 14.2 | 13.6 | 14.0 | 15.3 | 16.6 | 17.5 | 16.6 | 16.6 | 17.0 | 17.4 | 18.1 | 18.1 | 18.3 | 18.1              | 18.7         | 5.8         | 26.5        | 13.5           | 12.9  | 13.0 |  |       |  |
| 21               |  | 17.8 | 19.2 | 20.2 | 21.3 | 23.5 | 23.7 | 22.6 | 20.9 | 16.8 | 15.1 | 12.7 | 11.7 | 12.3 | 13.5 | 17.1 | 19.2 | 18.5 | 19.2 | 18.0 | 17.9 | 18.5 | 18.1 | 18.7 | 19.2              | 18.2         | 5.1         | 23.9        | 11.4           | 11.2  | 12.5 |  |       |  |
| 22               |  | 20.1 | 20.9 | 22.2 | 23.9 | 24.7 | 24.3 | 21.9 | 19.6 | 16.8 | 14.2 | 12.3 | 11.7 | 12.5 | 14.4 | 17.0 | 18.1 | 17.4 | 17.0 | 17.2 | 17.5 | 17.6 | 17.5 | 18.5 | 18.7              | 18.2         | 4.3         | 25.1        | 11.5           | 11.3  | 13.6 |  |       |  |
| Q 23             |  | 18.3 | 19.6 | 22.2 | 24.3 | 25.6 | 25.6 | 22.4 | 19.2 | 15.7 | 14.0 | 12.7 | 12.9 | 13.4 | 15.1 | 16.6 | 17.1 | 16.8 | 16.6 | 16.6 | 16.8 | 17.2 | 17.1 | 17.7 | 17.8              | 18.0         | 5.1         | 26.1        | 12.3           | 11.0  | 13.8 |  |       |  |
| 24               |  | 17.9 | 19.1 | 21.7 | 23.9 | 25.2 | 25.2 | 21.9 | 17.5 | 12.7 | 9.3  | 8.9  | 9.9  | 11.9 | 14.9 | 16.6 | 17.0 | 16.4 | 16.2 | 16.5 | 16.8 | 17.9 | 17.9 | 17.7 | 18.3              | 17.1         | 4.8         | 25.7        | 8.4            | 10.0  | 17.3 |  |       |  |
| D 25             |  | 18.7 | 19.4 | 22.1 | 23.2 | 23.2 | 22.1 | 19.6 | 16.6 | 13.6 | 11.7 | 10.6 | 9.2  | 10.6 | 12.5 | 12.9 | 13.4 | 13.4 | 15.7 | 17.7 | 17.5 | 19.2 | 22.2 | 23.5 | 20.5              | 17.0         | 22.5        | 24.4        | 8.0            | 11.3  | 16.4 |  |       |  |
| D 26             |  | 20.7 | 23.2 | 24.4 | 26.5 | 28.0 | 27.2 | 24.1 | 19.8 | 15.7 | 12.7 | 11.7 | 11.7 | 12.7 | 14.7 | 16.8 | 18.1 | 17.2 | 17.0 | 17.2 | 17.7 | 17.9 | 17.7 | 18.7 | 18.7              | 18.8         | 4.6         | 28.4        | 10.6           | 11.5  | 17.8 |  |       |  |
| D 27             |  | 18.7 | 18.7 | 20.9 | 24.3 | 24.7 | 23.2 | 19.6 | 16.4 | 13.1 | 10.6 | 10.6 | 10.9 | 13.4 | 15.9 | 17.2 | 17.9 | 17.5 | 17.1 | 17.2 | 17.0 | 16.8 | 17.0 | 17.0 | 17.1              | 17.2         | 5.1         | 26.5        | 10.0           | 11.2  | 16.5 |  |       |  |
| 28               |  | 17.7 | 20.4 | 21.7 | 23.7 | 24.2 | 24.7 | 23.2 | 20.5 | 17.2 | 14.9 | 14.0 | 14.0 | 14.9 | 16.5 | 18.3 | 18.3 | 18.7 | 17.8 | 18.0 | 17.5 | 17.4 | 17.5 | 17.3 | 17.9              | 18.6         | 5.5         | 25.1        | 13.5           | 11.1  | 11.6 |  |       |  |
| 29               |  | 18.5 | 19.2 | 21.1 | 22.4 | 22.4 | 21.2 | 19.2 | 17.4 | 14.2 | 12.7 | 12.1 | 12.1 | 12.3 | 13.4 | 15.5 | 16.6 | 17.0 | 17.7 | 17.5 | 17.8 | 17.2 | 17.7 | 18.3 | 18.3              | 17.2         | 4.4         | 23.0        | 11.5           | 11.4  | 11.5 |  |       |  |
| 30               |  | 18.5 | 18.3 | 20.0 | 22.4 | 23.5 | 23.5 | 21.9 | 19.2 | 15.3 | 12.9 | 12.7 | 12.9 | 13.6 | 14.0 | 15.7 | 17.0 | 17.2 | 17.7 | 18.3 | 17.9 | 17.0 | 17.2 | 18.2 | 17.8              | 17.6         | 4.8         | 24.1        | 12.3           | 11.0  | 11.8 |  |       |  |
| 31               |  | 17.9 | 18.3 | 19.9 | 21.9 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |             |             |                |       |      |  |       |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Другие причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Беломашвили Т.А.Проверил Я.Э.Брежнев М.А.



Обсерватория Душети (Я.С.Илиш)

Среднемесячн.

 $H = 24167^{\circ}$ 

Элемент

Горизонтальная составляющая

Месяц Июль год 1980

H

= 24110<sup>+</sup> + = ° =

| Время<br>мировое           |    |    |    |    |    |     |     |     |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах ? | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |     |  | Сумма |  |  |
|----------------------------|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|-------------------|----------------|------------|-------------|----------------|-------|-----|--|-------|--|--|
| Дни                        | 1  | 2  | 3  | 4  | 5  | 6   | 7   | 8   | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24                |                |            |             |                |       |     |  |       |  |  |
| Q 1                        | 64 | 65 | 65 | 53 | 38 | 27  | 19  | 24  | 36 | 54 | 67 | 80 | 85 | 77 | 65  | 60 | 61 | 65 | 69 | 68 | 66 | 72 | 69 | 72                | 59             | 12.4       | 89          | 17             | 6.5   | 72  |  |       |  |  |
| Q 2                        | 72 | 77 | 79 | 80 | 78 | 69  | 57  | 51  | 54 | 67 | 69 | 77 | 83 | 79 | 71  | 66 | 68 | 75 | 77 | 72 | 71 | 67 | 67 | 68                | 71             | 12.3       | 85          | 48             | 7.1   | 37  |  |       |  |  |
| Q 3                        | 71 | 71 | 74 | 71 | 61 | 48  | 36  | 33  | 43 | 49 | 54 | 55 | 65 | 67 | 61  | 61 | 65 | 70 | 71 | 71 | 73 | 73 | 71 | 71                | 62             | 2.5        | 77          | 31             | 7.1   | 46  |  |       |  |  |
| 4                          | 71 | 73 | 77 | 78 | 77 | 74  | 69  | 73  | 81 | 81 | 78 | 82 | 87 | 85 | 74  | 61 | 73 | 75 | 76 | 75 | 71 | 67 | 71 | 75                | 75             | 12.8       | 92          | 57             | 15.5  | 35  |  |       |  |  |
| D 5                        | 77 | 81 | 79 | 75 | 89 | 81  | 66  | 54  | 59 | 65 | 65 | 69 | 85 | 77 | 64  | 60 | 59 | 49 | 55 | 53 | 60 | 59 | 63 | 61                | 67             | 12.8       | 101         | 43             | 17.9  | 58  |  |       |  |  |
| 6                          | 67 | 71 | 73 | 73 | 66 | 57  | 59  | 61  | 64 | 62 | 67 | 79 | 83 | 74 | 66  | 65 | 71 | 78 | 81 | 80 | 75 | 73 | 67 | 65                | 70             | 12.3       | 97          | 51             | 9.2   | 46  |  |       |  |  |
| 7                          | 72 | 74 | 68 | 70 | 65 | 53  | 41  | 45  | 48 | 53 | 71 | 78 | 72 | 73 | 69  | 61 | 61 | 60 | 66 | 65 | 61 | 70 | 60 | 61                | 63             | 12.0       | 85          | 31             | 9.0   | 54  |  |       |  |  |
| 8                          | 63 | 69 | 75 | 68 | 59 | 53  | 53  | 59  | 65 | 71 | 66 | 73 | 71 | 67 | 63  | 60 | 59 | 61 | 55 | 55 | 59 | 51 | 71 | 66                | 63             | 22.5       | 79          | 46             | 21.3  | 33  |  |       |  |  |
| 9                          | 63 | 72 | 71 | 61 | 65 | 67  | 62  | 55  | 49 | 54 | 61 | 66 | 74 | 70 | 61  | 60 | 61 | 60 | 60 | 64 | 58 | 59 | 60 | 63                | 62             | 12.6       | 78          | 42             | 9.0   | 36  |  |       |  |  |
| Q 10                       | 66 | 72 | 77 | 73 | 65 | 54  | 48  | 48  | 55 | 69 | 79 | 85 | 84 | 77 | 73  | 71 | 63 | 71 | 72 | 77 | 75 | 72 | 70 | 68                | 69             | 11.6       | 87          | 47             | 7.4   | 40  |  |       |  |  |
| 11                         | 72 | 79 | 83 | 76 | 57 | 45  | 41  | 49  | 62 | 63 | 65 | 71 | 76 | 83 | 71  | 74 | 75 | 81 | 80 | 78 | 68 | 71 | 71 | 65                | 69             | 13.8       | 96          | 39             | 6.6   | 57  |  |       |  |  |
| 12                         | 72 | 73 | 77 | 73 | 59 | 43  | 32  | 31  | 43 | 63 | 81 | 89 | 85 | 83 | 77  | 70 | 67 | 62 | 66 | 68 | 68 | 71 | 71 | 73                | 67             | 11.5       | 91          | 27             | 7.5   | 64  |  |       |  |  |
| 13                         | 73 | 73 | 73 | 65 | 51 | 43  | 36  | 37  | 43 | 59 | 66 | 71 | 73 | 66 | 62  | 65 | 53 | 53 | 57 | 60 | 61 | 63 | 63 | 61                | 59             | 1.5        | 79          | 31             | 6.7   | 48  |  |       |  |  |
| 14                         | 63 | 65 | 69 | 71 | 60 | 54  | 49  | 37  | 30 | 37 | 49 | 61 | 66 | 60 | 63  | 64 | 59 | 68 | 77 | 73 | 61 | 70 | 71 | 72                | 60             | 18.2       | 78          | 23             | 8.5   | 55  |  |       |  |  |
| 15                         | 73 | 70 | 71 | 67 | 61 | 51  | 36  | 25  | 37 | 51 | 64 | 81 | 82 | 81 | 73  | 65 | 68 | 73 | 77 | 77 | 78 | 81 | 75 | 75                | 66             | 12.9       | 85          | 24             | 7.3   | 61  |  |       |  |  |
| 16                         | 76 | 79 | 78 | 77 | 69 | 60  | 48  | 37  | 43 | 58 | 66 | 73 | 67 | 72 | 65  | 60 | 62 | 70 | 75 | 72 | 73 | 72 | 72 | 69                | 66             | 1.6        | 81          | 35             | 7.7   | 46  |  |       |  |  |
| 17                         | 71 | 75 | 81 | 75 | 63 | 61  | 55  | 48  | 42 | 48 | 59 | 71 | 77 | 83 | 78  | 69 | 67 | 73 | 77 | 89 | 81 | 78 | 78 | 78                | 70             | 19.4       | 101         | 37             | 8.6   | 64  |  |       |  |  |
| D 18                       | 77 | 75 | 79 | 73 | 66 | 49  | 50  | 53  | 59 | 61 | 67 | 77 | 76 | 71 | 67  | 61 | 65 | 66 | 62 | 93 | 55 | 41 | -7 | 18                | 61             | 19.6       | 136         | -16            | 22.8  | 152 |  |       |  |  |
| 19                         | 17 | 13 | 18 | 22 | 0  | -12 | -27 | -25 | -5 | 17 | 23 | 27 | 26 | 23 | 27  | 23 | 25 | 30 | 34 | 36 | 36 | 34 | 31 | 42                | 18             | 23.8       | 48          | -31            | 6.8   | 79  |  |       |  |  |
| 20                         | 38 | 36 | 41 | 39 | 36 | 28  | 23  | 23  | 30 | 38 | 44 | 47 | 49 | 53 | 49  | 57 | 51 | 48 | 49 | 53 | 47 | 43 | 43 | 42                | 42             | 15.1       | 61          | 20             | 6.2   | 41  |  |       |  |  |
| 21                         | 47 | 43 | 45 | 39 | 23 | 17  | 16  | 24  | 18 | 17 | 29 | 41 | 48 | 69 | 55  | 45 | 45 | 49 | 43 | 42 | 44 | 47 | 39 | 39                | 38             | 13.4       | 71          | 12             | 6.1   | 59  |  |       |  |  |
| 22                         | 38 | 39 | 41 | 34 | 21 | 13  | 12  | 17  | 19 | 27 | 42 | 49 | 53 | 53 | 53  | 49 | 48 | 53 | 57 | 57 | 59 | 59 | 51 | 47                | 41             | 21.6       | 66          | 11             | 6.2   | 55  |  |       |  |  |
| Q 23                       | 54 | 59 | 60 | 51 | 39 | 25  | 13  | 19  | 37 | 65 | 81 | 78 | 66 | 55 | 59  | 57 | 59 | 56 | 59 | 60 | 60 | 60 | 59 | 59                | 54             | 11.0       | 85          | 12             | 6.8   | 73  |  |       |  |  |
| 24                         | 59 | 61 | 62 | 55 | 49 | 48  | 37  | 30  | 45 | 63 | 79 | 86 | 84 | 67 | 64  | 61 | 65 | 65 | 72 | 73 | 57 | 57 | 65 | 63                | 61             | 12.3       | 91          | 27             | 7.4   | 64  |  |       |  |  |
| D 25                       | 61 | 65 | 69 | 63 | 55 | 42  | 31  | 31  | 40 | 51 | 69 | 91 | 83 | 84 | 101 | 84 | 84 | 71 | 42 | 61 | 63 | 12 | -2 | 42                | 58             | 11.3       | 115         | -7             | 22.5  | 122 |  |       |  |  |
| D 26                       | 22 | 15 | 19 | 17 | -6 | -19 | -17 | -3  | 29 | 29 | 41 | 54 | 47 | 43 | 31  | 31 | 43 | 49 | 47 | 43 | 47 | 42 | 39 | 37                | 28             | 11.5       | 69          | -24            | 6.2   | 93  |  |       |  |  |
| D 27                       | 33 | 43 | 43 | 51 | 39 | 33  | 17  | 17  | 30 | 51 | 49 | 49 | 37 | 36 | 33  | 35 | 39 | 48 | 49 | 61 | 62 | 65 | 65 | 65                | 44             | 23.9       | 75          | 11             | 6.8   | 64  |  |       |  |  |
| 28                         | 69 | 65 | 60 | 39 | 35 | 24  | 16  | 25  | 30 | 47 | 49 | 47 | 52 | 49 | 43  | 41 | 47 | 47 | 54 | 51 | 51 | 51 | 53 | 51                | 46             | 1.1        | 79          | 11             | 6.5   | 68  |  |       |  |  |
| 29                         | 53 | 54 | 57 | 48 | 36 | 31  | 31  | 27  | 39 | 54 | 65 | 71 | 78 | 79 | 70  | 61 | 57 | 58 | 53 | 51 | 56 | 53 | 55 | 55                | 54             | 13.2       | 90          | 24             | 7.5   | 66  |  |       |  |  |
| 30                         | 52 | 59 | 65 | 63 | 59 | 53  | 48  | 41  | 42 | 51 | 59 | 60 | 65 | 75 | 67  | 58 | 59 | 60 | 64 | 58 | 60 | 61 | 60 | 64                | 58             | 13.5       | 78          | 38             | 7.6   | 40  |  |       |  |  |
| 31                         | 56 | 53 | 59 | 55 | 37 | 33  | 33  | 33  | 47 | 60 | 73 | 73 | 71 | 64 | 61  | 54 | 51 | 57 | 60 | 61 | 58 | 57 | 55 | 55                | 55             | 10.7       | 77          | 31             | 7.6   | 46  |  |       |  |  |
| Среднее по<br>всем дням    | 60 | 62 | 64 | 60 | 51 | 42  | 35  | 35  | 42 | 53 | 61 | 68 | 69 | 68 | 62  | 58 | 59 | 61 | 62 | 64 | 62 | 60 | 57 | 59                | 57             |            | 85          | 24             |       | 60  |  |       |  |  |
| Среднее по<br>сп. дням     | 65 | 69 | 71 | 66 | 56 | 45  | 35  | 35  | 45 | 61 | 70 | 75 | 77 | 71 | 66  | 63 | 63 | 67 | 70 | 70 | 69 | 69 | 67 | 68                | 63             |            | 85          | 31             |       | 54  |  |       |  |  |
| Среднее по<br>возмущ. дням | 54 | 56 | 58 | 56 | 49 | 37  | 29  | 30  | 43 | 51 | 58 | 68 | 66 | 62 | 59  | 54 | 58 | 57 | 51 | 62 | 57 | 44 | 32 | 45                | 52             |            | 99          | 1              |       | 98  |  |       |  |  |
| Сумма по<br>всем дням      |    |    |    |    |    |     |     |     |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |                   |                |            |             |                |       |     |  |       |  |  |
| Сумма по<br>сп. дням       |    |    |    |    |    |     |     |     |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |                   |                |            |             |                |       |     |  |       |  |  |
| Сумма по<br>возмущ. дням   |    |    |    |    |    |     |     |     |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |                   |                |            |             |                |       |     |  |       |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Э.Бреидзе М.А.

Проверил В.Бреидзе М.А.

Обсерватория Душети (ГДШИСИ)Среднемесячн.  $\bar{I} = 42.104^\circ$ Элемент Вертикальная составляющаяМесяц Июль год 1980 $\bar{I}$  =  $42.020^\circ$  + =

| Время<br>мировое           |  |    |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>миним | Ампл. |    |      | Сумма |  |  |
|----------------------------|--|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|----|-------------------|--------------|------------|-------------|----------------|-------|----|------|-------|--|--|
| Дни                        |  | 1  | 2   | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16  | 17  | 18  | 19  | 20 | 21 | 22                | 23           | 24         |             |                |       |    |      |       |  |  |
| Q 1                        |  | 87 | 91  | 93  | 96  | 91  | 87  | 83 | 71 | 59 | 55 | 54 | 55 | 65 | 75 | 81  | 83  | 82  | 83  | 83  | 83 | 84 | 83                | 84           | 83         | 79          | 3.5            | 97    | 52 | 11.0 | 45    |  |  |
| Q 2                        |  | 84 | 87  | 91  | 88  | 81  | 77  | 74 | 70 | 67 | 64 | 63 | 63 | 69 | 78 | 84  | 83  | 81  | 81  | 82  | 83 | 85 | 85                | 81           | 83         | 78          | 2.8            | 92    | 62 | 10.7 | 30    |  |  |
| Q 3                        |  | 83 | 87  | 93  | 88  | 81  | 73  | 72 | 65 | 61 | 58 | 52 | 53 | 60 | 71 | 80  | 81  | 80  | 81  | 82  | 83 | 83 | 83                | 83           | 83         | 76          | 2.8            | 94    | 50 | 10.9 | 44    |  |  |
| 4                          |  | 83 | 86  | 91  | 92  | 88  | 83  | 72 | 62 | 59 | 63 | 71 | 67 | 67 | 76 | 84  | 83  | 79  | 81  | 82  | 83 | 83 | 84                | 83           | 81         | 78          | 3.0            | 94    | 58 | 8.5  | 36    |  |  |
| D 5                        |  | 82 | 83  | 85  | 87  | 79  | 71  | 69 | 67 | 63 | 66 | 74 | 76 | 78 | 83 | 85  | 85  | 89  | 93  | 92  | 91 | 89 | 88                | 87           | 87         | 81          | 18.0           | 95    | 61 | 9.0  | 34    |  |  |
| 6                          |  | 85 | 88  | 91  | 89  | 83  | 77  | 67 | 59 | 59 | 63 | 64 | 69 | 70 | 73 | 78  | 80  | 80  | 82  | 82  | 83 | 84 | 84                | 85           | 84         | 77          | 2.6            | 93    | 57 | 7.6  | 36    |  |  |
| 7                          |  | 83 | 83  | 87  | 89  | 88  | 86  | 78 | 70 | 66 | 59 | 56 | 63 | 68 | 77 | 84  | 84  | 85  | 86  | 85  | 86 | 85 | 83                | 84           | 84         | 79          | 3.3            | 90    | 55 | 10.4 | 35    |  |  |
| 8                          |  | 85 | 89  | 89  | 89  | 87  | 83  | 77 | 73 | 73 | 71 | 68 | 65 | 73 | 85 | 89  | 87  | 86  | 87  | 88  | 88 | 88 | 88                | 85           | 85         | 82          | 3.4            | 91    | 64 | 11.1 | 27    |  |  |
| 9                          |  | 85 | 87  | 87  | 87  | 85  | 83  | 81 | 81 | 79 | 69 | 67 | 69 | 71 | 78 | 84  | 85  | 83  | 84  | 85  | 85 | 85 | 84                | 84           | 85         | 81          | 2.6            | 89    | 65 | 10.0 | 24    |  |  |
| Q 10                       |  | 85 | 87  | 87  | 86  | 85  | 82  | 77 | 76 | 71 | 61 | 53 | 52 | 58 | 75 | 83  | 85  | 84  | 83  | 84  | 85 | 84 | 83                | 83           | 83         | 78          | 2.8            | 88    | 47 | 10.3 | 41    |  |  |
| 11                         |  | 83 | 86  | 90  | 92  | 91  | 85  | 74 | 60 | 57 | 59 | 59 | 65 | 71 | 77 | 80  | 81  | 79  | 81  | 82  | 82 | 84 | 84                | 84           | 84         | 78          | 3.2            | 94    | 57 | 8.9  | 37    |  |  |
| 12                         |  | 84 | 86  | 90  | 88  | 82  | 79  | 71 | 63 | 53 | 49 | 49 | 56 | 62 | 69 | 78  | 82  | 83  | 85  | 85  | 86 | 85 | 83                | 84           | 84         | 76          | 3.0            | 92    | 47 | 10.2 | 45    |  |  |
| 13                         |  | 85 | 89  | 97  | 98  | 93  | 87  | 77 | 62 | 51 | 51 | 54 | 53 | 64 | 81 | 89  | 92  | 93  | 90  | 88  | 88 | 88 | 88                | 88           | 88         | 81          | 3.0            | 100   | 50 | 8.6  | 50    |  |  |
| 14                         |  | 88 | 92  | 97  | 95  | 93  | 89  | 78 | 73 | 66 | 67 | 70 | 75 | 85 | 89 | 87  | 91  | 89  | 87  | 85  | 88 | 89 | 87                | 85           | 85         | 85          | 2.7            | 98    | 64 | 8.8  | 34    |  |  |
| 15                         |  | 87 | 91  | 97  | 96  | 92  | 86  | 77 | 71 | 56 | 60 | 62 | 61 | 69 | 79 | 88  | 89  | 85  | 86  | 87  | 85 | 85 | 85                | 86           | 86         | 81          | 3.0            | 100   | 53 | 8.6  | 47    |  |  |
| 16                         |  | 87 | 89  | 95  | 94  | 91  | 89  | 85 | 76 | 67 | 57 | 62 | 71 | 75 | 80 | 90  | 90  | 85  | 85  | 85  | 86 | 86 | 86                | 86           | 85         | 83          | 2.7            | 97    | 56 | 9.5  | 41    |  |  |
| 17                         |  | 87 | 91  | 96  | 97  | 92  | 85  | 72 | 69 | 64 | 62 | 69 | 72 | 74 | 80 | 86  | 88  | 85  | 87  | 87  | 86 | 86 | 85                | 85           | 88         | 82          | 3.0            | 99    | 61 | 9.2  | 38    |  |  |
| D 18                       |  | 90 | 97  | 99  | 99  | 96  | 90  | 82 | 75 | 64 | 61 | 63 | 65 | 73 | 82 | 86  | 89  | 87  | 89  | 89  | 87 | 96 | 97                | 105          | 100        | 86          | 22.8           | 106   | 59 | 9.3  | 47    |  |  |
| 19                         |  | 96 | 103 | 105 | 104 | 104 | 95  | 84 | 74 | 64 | 59 | 67 | 73 | 79 | 89 | 96  | 100 | 97  | 97  | 97  | 97 | 97 | 97                | 97           | 96         | 90          | 2.4            | 107   | 57 | 9.6  | 50    |  |  |
| 20                         |  | 96 | 98  | 102 | 100 | 94  | 89  | 86 | 77 | 71 | 71 | 67 | 73 | 82 | 85 | 88  | 94  | 94  | 94  | 94  | 94 | 95 | 94                | 93           | 93         | 88          | 2.7            | 103   | 66 | 10.4 | 37    |  |  |
| 21                         |  | 93 | 97  | 104 | 101 | 97  | 92  | 79 | 75 | 75 | 77 | 80 | 81 | 82 | 89 | 104 | 107 | 102 | 97  | 97  | 97 | 97 | 95                | 94           | 94         | 92          | 15.3           | 109   | 73 | 8.1  | 36    |  |  |
| 22                         |  | 94 | 97  | 101 | 101 | 100 | 95  | 89 | 82 | 82 | 81 | 79 | 85 | 87 | 92 | 98  | 97  | 91  | 92  | 93  | 93 | 93 | 93                | 93           | 94         | 92          | 3.7            | 103   | 78 | 10.7 | 25    |  |  |
| Q 23                       |  | 94 | 100 | 107 | 107 | 101 | 95  | 87 | 79 | 71 | 68 | 64 | 70 | 81 | 88 | 89  | 91  | 89  | 90  | 91  | 91 | 91 | 91                | 91           | 91         | 88          | 3.0            | 109   | 63 | 10.7 | 46    |  |  |
| 24                         |  | 92 | 95  | 97  | 95  | 90  | 82  | 76 | 69 | 57 | 54 | 59 | 65 | 73 | 81 | 86  | 85  | 85  | 87  | 89  | 89 | 91 | 91                | 90           | 88         | 82          | 2.9            | 98    | 52 | 9.0  | 46    |  |  |
| D 25                       |  | 90 | 93  | 99  | 98  | 94  | 87  | 79 | 82 | 74 | 67 | 67 | 73 | 79 | 81 | 82  | 89  | 87  | 95  | 100 | 99 | 96 | 100               | 101          | 93         | 88          | 18.3           | 103   | 64 | 10.1 | 39    |  |  |
| D 26                       |  | 94 | 99  | 107 | 113 | 114 | 104 | 87 | 81 | 73 | 73 | 75 | 82 | 91 | 99 | 104 | 99  | 98  | 100 | 99  | 98 | 96 | 98                | 98           | 99         | 95          | 4.2            | 116   | 70 | 9.3  | 46    |  |  |
| D 27                       |  | 98 | 101 | 103 | 99  | 98  | 88  | 66 | 62 | 56 | 58 | 68 | 79 | 87 | 91 | 93  | 94  | 93  | 93  | 94  | 93 | 95 | 95                | 93           | 93         | 87          | 2.6            | 104   | 51 | 8.8  | 53    |  |  |
| 28                         |  | 92 | 97  | 105 | 104 | 102 | 98  | 97 | 91 | 81 | 80 | 86 | 84 | 91 | 98 | 99  | 95  | 94  | 95  | 94  | 95 | 95 | 95                | 95           | 95         | 94          | 2.6            | 107   | 78 | 9.1  | 29    |  |  |
| 29                         |  | 94 | 97  | 102 | 99  | 93  | 84  | 74 | 71 | 71 | 75 | 73 | 79 | 78 | 79 | 86  | 91  | 92  | 94  | 95  | 95 | 94 | 95                | 94           | 93         | 87          | 2.8            | 104   | 68 | 8.0  | 36    |  |  |
| 30                         |  | 93 | 94  | 97  | 98  | 98  | 99  | 93 | 84 | 73 | 72 | 75 | 81 | 81 | 87 | 90  | 91  | 90  | 91  | 91  | 92 | 91 | 91                | 91           | 90         | 89          | 5.6            | 100   | 71 | 9.2  | 29    |  |  |
| 31                         |  | 90 | 93  | 95  | 99  | 97  | 87  | 82 | 73 | 67 | 71 | 83 | 88 | 85 | 86 | 89  | 93  | 93  | 93  | 93  | 93 | 93 | 93                | 93           | 93         | 88          | 4.0            | 101   | 65 | 8.3  | 36    |  |  |
| Среднее по<br>всем дням    |  | 89 | 92  | 96  | 96  | 92  | 87  | 79 | 72 | 66 | 65 | 66 | 70 | 75 | 82 | 88  | 89  | 88  | 89  | 89  | 89 | 89 | 89                | 89           | 89         | 84          |                | 99    | 60 |      | 39    |  |  |
| Среднее по<br>сп. дням     |  | 87 | 90  | 94  | 93  | 88  | 83  | 79 | 72 | 66 | 61 | 57 | 59 | 67 | 77 | 83  | 85  | 83  | 84  | 84  | 85 | 85 | 85                | 84           | 85         | 80          |                | 96    | 55 |      | 41    |  |  |
| Среднее по<br>возмущ. дням |  | 91 | 95  | 99  | 99  | 96  | 88  | 77 | 73 | 66 | 65 | 69 | 75 | 82 | 87 | 90  | 91  | 91  | 94  | 95  | 94 | 94 | 96                | 97           | 94         | 87          |                | 105   | 61 |      | 44    |  |  |
| Сумма по<br>всем дням      |  |    |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    |                   |              |            |             |                |       |    |      |       |  |  |
| Сумма по<br>сп. дням       |  |    |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    |                   |              |            |             |                |       |    |      |       |  |  |
| Сумма по<br>возмущ. дням   |  |    |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    |                   |              |            |             |                |       |    |      |       |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Вержезули Н.С. Ж.Проверил А. Эбрешидзе М.А.

Обсерватория Душети (Тбилиси)Среднемесячн.  $\Phi = 5^{\circ}00'.5$ Элемент СклонениеМесяц Август год 1980 $\Phi$  =  $4^{\circ}43'.0$  +      =     

| Время<br>жировое |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |      | Сумма |      |      |      |      |    |    |    |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|------|------|-------|------|------|------|------|----|----|----|
|                  | Дни  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |                   |              |            |             |                |       |      |      |       | 17   | 18   | 19   | 20   | 21 | 22 | 23 |
| 1Q               | 18.4 | 19.0 | 21.0 | 23.1 | 23.8 | 23.6 | 21.4 | 18.4 | 16.5 | 14.5 | 14.5 | 14.5 | 14.3 | 15.6 | 17.3 | 18.2 | 17.5 | 17.5              | 17.6         | 17.6       | 17.4        | 17.4           | 17.1  | 17.1 | 18.1 | 4.2   | 24.2 | 13.9 | 12.3 | 10.3 |    |    |    |
| 2                | 17.6 | 18.2 | 20.5 | 22.7 | 24.0 | 23.8 | 21.8 | 19.6 | 16.7 | 14.3 | 12.7 | 11.7 | 11.9 | 13.3 | 15.0 | 16.0 | 15.8 | 16.5              | 16.8         | 16.9       | 17.4        | 18.2           | 19.5  | 18.2 | 17.5 | 4.9   | 24.4 | 11.2 | 12.3 | 13.2 |    |    |    |
| 3                | 18.2 | 17.9 | 19.7 | 22.0 | 23.1 | 22.9 | 21.4 | 18.6 | 16.7 | 14.5 | 12.6 | 12.0 | 12.0 | 13.6 | 14.8 | 15.5 | 15.4 | 15.7              | 16.3         | 17.6       | 17.8        | 18.4           | 19.0  | 20.1 | 17.3 | 5.2   | 23.6 | 11.1 | 11.6 | 12.5 |    |    |    |
| 4                | 19.9 | 20.1 | 21.6 | 22.3 | 22.9 | 22.2 | 20.6 | 17.6 | 16.0 | 14.8 | 13.9 | 13.0 | 13.3 | 14.3 | 16.3 | 17.1 | 17.1 | 17.5              | 17.8         | 17.8       | 18.0        | 18.6           | 18.8  | 19.0 | 17.9 | 4.2   | 23.1 | 12.4 | 11.7 | 10.7 |    |    |    |
| 5Q               | 18.8 | 19.0 | 20.1 | 21.2 | 22.3 | 22.9 | 21.6 | 19.3 | 16.5 | 14.3 | 13.5 | 13.0 | 14.3 | 15.6 | 16.7 | 16.7 | 16.6 | 16.6              | 16.7         | 17.1       | 17.5        | 17.6           | 17.8  | 18.0 | 17.7 | 5.5   | 23.1 | 12.5 | 11.5 | 10.6 |    |    |    |
| 6D               | 18.0 | 18.2 | 18.0 | 20.6 | 22.5 | 22.9 | 21.0 | 17.8 | 14.1 | 12.4 | 12.6 | 12.8 | 13.9 | 13.9 | 12.8 | 13.0 | 13.5 | 14.1              | 17.1         | 18.6       | 18.4        | 18.2           | 18.2  | 18.4 | 16.7 | 5.2   | 23.2 | 11.8 | 10.0 | 11.4 |    |    |    |
| 7                | 19.0 | 20.1 | 22.3 | 24.0 | 24.3 | 22.7 | 19.7 | 17.1 | 14.1 | 13.0 | 12.8 | 14.7 | 16.7 | 17.3 | 17.6 | 17.3 | 17.1 | 17.3              | 17.8         | 17.6       | 18.0        | 17.8           | 18.0  | 18.6 | 18.1 | 4.4   | 24.8 | 12.2 | 10.3 | 12.6 |    |    |    |
| 8Q               | 19.3 | 19.9 | 21.0 | 22.7 | 23.9 | 23.6 | 22.0 | 19.5 | 15.4 | 12.4 | 11.3 | 12.0 | 12.8 | 14.1 | 15.8 | 16.7 | 16.7 | 16.9              | 17.5         | 17.6       | 17.3        | 16.5           | 17.1  | 17.6 | 17.5 | 4.3   | 24.0 | 11.1 | 10.4 | 12.9 |    |    |    |
| 9                | 18.0 | 18.0 | 19.7 | 22.3 | 23.3 | 22.9 | 21.2 | 17.9 | 13.7 | 10.9 | 10.3 | 10.7 | 11.8 | 13.0 | 14.5 | 16.3 | 16.0 | 16.7              | 16.7         | 16.7       | 17.8        | 18.0           | 17.1  | 17.9 | 16.7 | 4.8   | 23.5 | 10.2 | 10.9 | 13.3 |    |    |    |
| 10               | 18.0 | 18.4 | 20.1 | 22.7 | 23.5 | 23.6 | 21.0 | 18.2 | 14.3 | 11.8 | 10.6 | 10.9 | 12.6 | 15.2 | 17.3 | 18.4 | 16.7 | 16.7              | 16.9         | 17.1       | 17.1        | 17.5           | 17.6  | 17.6 | 17.2 | 5.3   | 24.2 | 10.2 | 10.8 | 14.0 |    |    |    |
| 11               | 17.8 | 18.2 | 21.2 | 24.0 | 25.3 | 25.3 | 23.1 | 19.3 | 15.6 | 13.0 | 11.1 | 11.8 | 13.0 | 15.0 | 16.7 | 17.3 | 16.7 | 16.3              | 16.3         | 16.5       | 17.1        | 16.5           | 17.1  | 17.6 | 17.6 | 5.2   | 25.7 | 10.7 | 10.7 | 15.0 |    |    |    |
| 12               | 18.2 | 20.1 | 21.4 | 24.0 | 24.4 | 23.1 | 20.6 | 17.1 | 13.9 | 12.2 | 11.6 | 11.5 | 12.4 | 14.3 | 16.5 | 17.1 | 16.6 | 16.4              | 16.6         | 16.9       | 16.9        | 17.2           | 17.5  | 17.9 | 17.3 | 4.6   | 24.6 | 11.5 | 10.6 | 13.1 |    |    |    |
| 13               | 17.8 | 18.4 | 20.8 | 23.1 | 24.4 | 22.3 | 22.0 | 18.0 | 14.3 | 12.0 | 11.1 | 10.9 | 12.3 | 13.9 | 16.3 | 17.1 | 16.5 | 16.3              | 16.5         | 16.5       | 16.6        | 16.5           | 16.9  | 17.5 | 17.0 | 4.9   | 24.8 | 10.6 | 11.2 | 14.2 |    |    |    |
| 14               | 17.8 | 18.0 | 20.1 | 22.5 | 24.2 | 24.4 | 22.9 | 18.8 | 14.5 | 12.2 | 10.6 | 9.8  | 11.3 | 13.5 | 15.8 | 16.6 | 16.0 | 16.6              | 17.3         | 17.1       | 16.7        | 16.9           | 16.7  | 17.3 | 17.0 | 5.1   | 24.8 | 9.6  | 11.1 | 15.2 |    |    |    |
| 15               | 17.9 | 17.8 | 19.3 | 22.7 | 25.3 | 25.5 | 23.5 | 18.8 | 13.9 | 11.1 | 10.6 | 11.5 | 13.3 | 15.2 | 17.1 | 18.0 | 16.6 | 16.5              | 16.5         | 16.9       | 16.7        | 17.1           | 17.6  | 18.0 | 17.4 | 4.4   | 25.7 | 10.3 | 10.9 | 15.4 |    |    |    |
| 16D              | 18.4 | 18.8 | 21.0 | 24.0 | 26.4 | 26.6 | 24.5 | 21.2 | 16.5 | 12.8 | 11.1 | 10.5 | 11.3 | 12.0 | 15.4 | 20.0 | 21.8 | 21.0              | 18.6         | 19.5       | 17.1        | 17.6           | 17.9  | 18.8 | 18.4 | 5.1   | 27.1 | 9.8  | 12.7 | 17.3 |    |    |    |
| 17               | 19.0 | 19.3 | 21.8 | 24.4 | 25.9 | 25.4 | 22.7 | 19.0 | 15.4 | 12.9 | 11.5 | 11.1 | 13.1 | 16.0 | 17.1 | 17.3 | 16.9 | 16.5              | 17.3         | 18.6       | 18.0        | 18.2           | 19.0  | 19.0 | 18.1 | 4.6   | 26.1 | 10.8 | 11.2 | 15.3 |    |    |    |
| 18D              | 19.0 | 19.7 | 21.2 | 23.5 | 25.0 | 25.0 | 22.3 | 17.9 | 14.5 | 12.8 | 12.0 | 12.2 | 14.0 | 15.8 | 16.7 | 18.0 | 17.8 | 16.9              | 16.9         | 17.3       | 17.8        | 17.8           | 18.0  | 18.3 | 17.9 | 5.1   | 25.6 | 11.2 | 10.6 | 14.4 |    |    |    |
| 19D              | 19.0 | 19.7 | 20.1 | 21.8 | 23.6 | 23.8 | 21.8 | 18.8 | 15.8 | 13.0 | 9.4  | 9.2  | 11.3 | 12.4 | 13.5 | 16.5 | 16.2 | 16.2              | 16.5         | 17.1       | 18.2        | 17.3           | 18.2  | 18.6 | 17.0 | 5.3   | 24.4 | 7.8  | 11.0 | 16.6 |    |    |    |
| 20               | 19.0 | 19.3 | 20.6 | 22.0 | 23.3 | 22.0 | 19.7 | 16.3 | 13.3 | 10.9 | 10.7 | 12.4 | 14.8 | 15.4 | 15.1 | 15.4 | 16.4 | 17.1              | 18.4         | 18.4       | 18.9        | 18.8           | 19.7  | 19.7 | 17.4 | 4.9   | 23.6 | 9.7  | 10.1 | 13.9 |    |    |    |
| 21               | 19.0 | 20.8 | 23.3 | 25.3 | 26.2 | 25.7 | 21.8 | 17.1 | 13.7 | 12.4 | 12.0 | 13.3 | 15.2 | 16.5 | 17.3 | 17.1 | 16.5 | 16.9              | 17.1         | 17.3       | 17.8        | 17.8           | 17.8  | 18.2 | 18.2 | 5.0   | 27.0 | 11.5 | 10.0 | 15.5 |    |    |    |
| 22               | 19.0 | 19.6 | 21.6 | 24.4 | 26.0 | 25.7 | 21.8 | 17.8 | 14.3 | 12.4 | 11.9 | 11.5 | 13.0 | 14.5 | 15.7 | 16.3 | 15.6 | 16.6              | 17.6         | 19.0       | 17.8        | 17.6           | 18.6  | 19.1 | 17.8 | 5.1   | 26.7 | 10.9 | 11.4 | 15.8 |    |    |    |
| 23               | 19.9 | 20.1 | 21.0 | 22.7 | 23.7 | 22.9 | 19.9 | 16.5 | 13.7 | 11.9 | 11.3 | 13.5 | 15.0 | 16.5 | 17.3 | 16.9 | 16.3 | 16.5              | 16.7         | 17.1       | 17.3        | 17.5           | 17.8  | 18.4 | 17.5 | 4.5   | 24.2 | 10.9 | 10.7 | 13.3 |    |    |    |
| 24Q              | 18.8 | 19.7 | 21.0 | 22.9 | 24.5 | 23.6 | 21.0 | 17.1 | 13.5 | 11.1 | 10.2 | 11.3 | 13.5 | 15.2 | 16.9 | 16.9 | 16.3 | 16.5              | 16.9         | 16.9       | 17.3        | 17.8           | 17.8  | 18.1 | 17.3 | 4.9   | 24.9 | 10.0 | 10.5 | 14.9 |    |    |    |
| 25               | 18.4 | 19.0 | 20.6 | 22.0 | 22.7 | 22.7 | 20.6 | 16.5 | 12.6 | 11.1 | 11.1 | 12.2 | 13.9 | 15.2 | 16.0 | 15.2 | 15.0 | 15.0              | 15.8         | 16.5       | 17.1        | 17.8           | 18.6  | 20.5 | 16.9 | 5.0   | 22.8 | 10.9 | 10.3 | 11.9 |    |    |    |
| 26               | 22.0 | 22.0 | 23.0 | 22.2 | 23.1 | 22.3 | 18.4 | 14.3 | 11.5 | 11.5 | 12.8 | 14.1 | 15.2 | 17.0 | 16.5 | 15.6 | 15.2 | 15.8              | 16.5         | 16.5       | 17.6        | 18.8           | 18.7  | 18.0 | 17.4 | 2.8   | 24.0 | 11.2 | 8.9  | 12.8 |    |    |    |
| 27D              | 17.9 | 17.3 | 18.8 | 21.4 | 23.3 | 22.9 | 17.3 | 13.7 | 11.5 | 11.1 | 12.0 | 14.8 | 16.5 | 20.3 | 21.2 | 20.1 | 18.4 | 18.0              | 19.3         | 18.4       | 17.4        | 17.8           | 18.2  | 18.8 | 17.8 | 5.1   | 24.2 | 10.5 | 10.0 | 13.7 |    |    |    |
| 28Q              | 19.0 | 20.1 | 21.8 | 24.4 | 26.4 | 24.8 | 20.8 | 16.6 | 13.7 | 11.9 | 11.5 | 12.6 | 14.1 | 15.4 | 16.5 | 16.7 | 17.1 | 17.1              | 17.8         | 17.8       | 17.8        | 17.8           | 18.0  | 18.2 | 17.8 | 4.8   | 26.6 | 11.3 | 10.6 | 15.3 |    |    |    |
| 29               | 18.4 | 19.0 | 20.6 | 22.9 | 24.4 | 24.6 | 22.9 | 19.1 | 14.5 | 15.4 | 10.2 | 11.1 | 12.8 | 14.3 | 16.0 | 16.5 | 16.0 | 16.7              | 16.9         | 16.9       | 17.8        | 18.2           | 18.2  | 18.6 | 17.6 | 5.3   | 24.8 | 10.0 | 10.0 | 14.8 |    |    |    |
| 30               | 18.6 | 19.3 | 20.8 | 23.9 | 25.5 | 25.0 | 22.0 | 17.8 | 13.6 | 11.1 | 10.3 | 11.3 | 13.7 | 15.6 | 16.5 | 16.3 | 17.3 | 18.1              | 17.8         | 18.0       | 18.2        | 18.2           | 18.4  | 18.6 | 17.7 | 4.3   | 25.8 | 10.0 | 10.6 | 15.8 |    |    |    |
| 31               | 18.6 | 19.0 | 20.3 | 21.8 | 23.6 | 23.8 | 20.8 | 16.5 | 13.0 | 11.9 | 12.2 | 13.0 | 14.5 | 15.4 | 16.5 | 16.3 | 16.3 |                   |              |            |             |                |       |      |      |       |      |      |      |      |    |    |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Бенситашвили Т. А. Проверил Эбрелидзе М. А.



Обсерватория Душети (Исчисл.)

Среднемесячн.  $H = 24164^{\circ}$ 

Элемент Горизонтальная составляющая

Месяц Август год 1980

 $H = 24110^{\circ} + =$ 

| Время<br>жировое           |   |    |    |    |    |    |    |     |     |    |    |    |     |    |    |    |    |     |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>minim | Ампл. |  |  | Сумма |
|----------------------------|---|----|----|----|----|----|----|-----|-----|----|----|----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|
| Дни                        |   | 1  | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9  | 10 | 11 | 12  | 13 | 14 | 15 | 16 | 17  | 18 | 19 | 20 | 21 | 22 | 23 | 24 |                   |              |            |             |                |       |  |  |       |
| 1                          | Q | 59 | 62 | 66 | 60 | 49 | 40 | 33  | 31  | 42 | 52 | 59 | 69  | 77 | 72 | 61 | 54 | 54  | 58 | 61 | 63 | 65 | 65 | 61 | 61 | 57                | 12.2         | 79         | 29          | 6.9            | 50    |  |  |       |
| 2                          |   | 60 | 61 | 65 | 61 | 51 | 37 | 25  | 29  | 43 | 57 | 64 | 72  | 74 | 73 | 66 | 60 | 67  | 71 | 75 | 73 | 87 | 78 | 67 | 61 | 62                | 20.6         | 94         | 23          | 7.2            | 71    |  |  |       |
| 3                          |   | 57 | 75 | 70 | 55 | 48 | 29 | 23  | 21  | 13 | 27 | 41 | 33  | 19 | 6  | 21 | 37 | 47  | 51 | 55 | 49 | 52 | 52 | 53 | 51 | 41                | 1.8          | 84         | -1          | 13.7           | 85    |  |  |       |
| 4                          |   | 53 | 54 | 57 | 60 | 55 | 50 | 38  | 36  | 39 | 52 | 63 | 67  | 56 | 48 | 42 | 46 | 52  | 48 | 49 | 48 | 47 | 46 | 47 | 51 | 50                | 11.3         | 72         | 32          | 7.9            | 40    |  |  |       |
| 5                          | Q | 49 | 55 | 59 | 58 | 55 | 51 | 51  | 49  | 57 | 70 | 75 | 69  | 58 | 54 | 55 | 56 | 60  | 63 | 66 | 65 | 65 | 66 | 66 | 66 | 60                | 10.6         | 77         | 46          | 0.3            | 31    |  |  |       |
| 6                          | D | 78 | 75 | 93 | 79 | 67 | 61 | 51  | 47  | 53 | 61 | 63 | 72  | 77 | 89 | 93 | 91 | 84  | 79 | 84 | 81 | 63 | 60 | 55 | 65 | 72                | 13.7         | 131        | 40          | 7.7            | 91    |  |  |       |
| 7                          |   | 60 | 54 | 60 | 55 | 34 | 23 | 17  | 15  | 29 | 47 | 61 | 57  | 49 | 48 | 47 | 49 | 53  | 52 | 69 | 58 | 58 | 72 | 65 | 59 | 50                | 21.7         | 82         | 11          | 7.4            | 71    |  |  |       |
| 8                          | Q | 57 | 55 | 59 | 59 | 47 | 39 | 31  | 33  | 41 | 45 | 55 | 69  | 75 | 71 | 61 | 60 | 61  | 61 | 62 | 61 | 60 | 72 | 67 | 64 | 57                | 12.5         | 77         | 29          | 6.7            | 48    |  |  |       |
| 9                          |   | 58 | 60 | 66 | 68 | 61 | 54 | 54  | 55  | 68 | 89 | 89 | 91  | 87 | 78 | 71 | 65 | 60  | 66 | 66 | 73 | 72 | 69 | 72 | 70 | 69                | 11.9         | 96         | 48          | 7.1            | 48    |  |  |       |
| 10                         |   | 67 | 67 | 72 | 69 | 42 | 19 | 13  | 19  | 37 | 54 | 66 | 78  | 75 | 69 | 65 | 57 | 53  | 57 | 60 | 61 | 61 | 63 | 65 | 65 | 56                | 11.6         | 79         | 6           | 6.9            | 73    |  |  |       |
| 11                         |   | 66 | 65 | 66 | 60 | 51 | 33 | 23  | 35  | 48 | 58 | 65 | 69  | 73 | 72 | 64 | 59 | 63  | 70 | 75 | 77 | 73 | 78 | 78 | 66 | 62                | 22.7         | 87         | 19          | 6.6            | 68    |  |  |       |
| 12                         |   | 91 | 69 | 73 | 79 | 69 | 45 | 21  | 13  | 19 | 33 | 51 | 65  | 69 | 66 | 63 | 57 | 59  | 63 | 61 | 63 | 63 | 64 | 64 | 61 | 58                | 0.5          | 108        | 9           | 7.6            | 99    |  |  |       |
| 13                         |   | 61 | 72 | 76 | 71 | 59 | 48 | 35  | 27  | 29 | 39 | 55 | 72  | 73 | 77 | 72 | 68 | 70  | 63 | 64 | 67 | 71 | 71 | 72 | 69 | 62                | 13.8         | 80         | 24          | 7.6            | 56    |  |  |       |
| 14                         |   | 69 | 71 | 75 | 69 | 57 | 41 | 25  | 25  | 30 | 47 | 59 | 65  | 68 | 69 | 63 | 57 | 65  | 65 | 65 | 67 | 69 | 69 | 67 | 65 | 59                | 2.7          | 77         | 22          | 6.8            | 55    |  |  |       |
| 15                         |   | 67 | 71 | 73 | 73 | 60 | 45 | 41  | 43  | 51 | 54 | 58 | 66  | 70 | 69 | 65 | 61 | 64  | 67 | 70 | 70 | 67 | 65 | 65 | 65 | 62                | 3.1          | 79         | 39          | 6.3            | 40    |  |  |       |
| 16                         | D | 68 | 71 | 75 | 73 | 65 | 49 | 33  | 31  | 36 | 42 | 53 | 65  | 67 | 54 | 24 | 12 | -33 | -7 | 15 | 42 | 41 | 43 | 55 | 51 | 43                | 12.7         | 101        | -49         | 16.5           | 150   |  |  |       |
| 17                         |   | 48 | 47 | 47 | 45 | 31 | 19 | 10  | 6   | 11 | 21 | 37 | 52  | 46 | 39 | 43 | 48 | 48  | 42 | 48 | 57 | 42 | 47 | 46 | 48 | 39                | 19.5         | 66         | 2           | 7.1            | 64    |  |  |       |
| 18                         | D | 63 | 59 | 63 | 63 | 36 | 3  | -15 | -17 | -5 | 17 | 47 | 51  | 42 | 40 | 41 | 48 | 45  | 51 | 53 | 55 | 53 | 57 | 53 | 55 | 40                | 0.5          | 70         | -27         | 7.2            | 97    |  |  |       |
| 19                         | D | 53 | 48 | 57 | 64 | 49 | 42 | 24  | 19  | 19 | 25 | 57 | 57  | 55 | 64 | 73 | 27 | 49  | 55 | 59 | 69 | 65 | 73 | 54 | 60 | 51                | 21.1         | 103        | 3           | 15.5           | 100   |  |  |       |
| 20                         |   | 61 | 67 | 60 | 50 | 48 | 39 | 33  | 31  | 41 | 57 | 67 | 72  | 65 | 60 | 61 | 59 | 59  | 50 | 57 | 59 | 42 | 45 | 42 | 42 | 53                | 11.9         | 81         | 29          | 7.1            | 52    |  |  |       |
| 21                         |   | 57 | 59 | 48 | 37 | 25 | 12 | 0   | 6   | 18 | 31 | 42 | 48  | 52 | 56 | 51 | 47 | 49  | 51 | 54 | 53 | 53 | 54 | 55 | 57 | 42                | 1.5          | 63         | -5          | 6.8            | 68    |  |  |       |
| 22                         |   | 57 | 57 | 61 | 63 | 48 | 39 | 41  | 35  | 41 | 51 | 58 | 63  | 69 | 71 | 63 | 59 | 59  | 60 | 49 | 55 | 55 | 67 | 57 | 49 | 55                | 13.4         | 76         | 28          | 7.8            | 48    |  |  |       |
| 23                         |   | 46 | 45 | 52 | 52 | 49 | 39 | 30  | 30  | 41 | 59 | 70 | 69  | 72 | 69 | 63 | 60 | 59  | 60 | 62 | 65 | 65 | 63 | 63 | 61 | 56                | 13.4         | 77         | 25          | 7.2            | 52    |  |  |       |
| 24                         | Q | 61 | 59 | 55 | 54 | 41 | 33 | 33  | 36  | 41 | 54 | 69 | 75  | 81 | 78 | 71 | 65 | 66  | 66 | 67 | 69 | 69 | 66 | 67 | 63 | 60                | 12.3         | 84         | 27          | 5.9            | 57    |  |  |       |
| 25                         |   | 65 | 65 | 65 | 61 | 51 | 33 | 18  | 25  | 45 | 72 | 91 | 96  | 90 | 85 | 78 | 79 | 78  | 82 | 81 | 80 | 78 | 75 | 69 | 75 | 68                | 11.2         | 97         | 13          | 6.7            | 84    |  |  |       |
| 26                         |   | 61 | 55 | 65 | 48 | 37 | 19 | 19  | 35  | 45 | 59 | 77 | 89  | 90 | 75 | 71 | 59 | 63  | 66 | 63 | 72 | 65 | 66 | 55 | 61 | 59                | 11.7         | 95         | 12          | 5.9            | 83    |  |  |       |
| 27                         | D | 61 | 63 | 68 | 55 | 49 | 45 | 17  | 21  | 3  | 13 | 5  | -12 | 3  | 12 | 29 | 21 | 12  | 23 | 37 | 37 | 42 | 42 | 47 | 47 | 31                | 2.1          | 72         | -21         | 11.7           | 93    |  |  |       |
| 28                         | Q | 44 | 43 | 43 | 33 | 12 | 0  | 3   | 13  | 28 | 43 | 60 | 72  | 71 | 65 | 57 | 51 | 45  | 49 | 51 | 52 | 52 | 53 | 53 | 52 | 44                | 11.9         | 75         | -3          | 5.6            | 78    |  |  |       |
| 29                         |   | 52 | 53 | 53 | 52 | 43 | 30 | 13  | 9   | 19 | 39 | 60 | 72  | 77 | 72 | 64 | 60 | 63  | 66 | 71 | 69 | 65 | 69 | 57 | 61 | 54                | 12.4         | 79         | 7           | 7.1            | 72    |  |  |       |
| 30                         |   | 63 | 59 | 63 | 59 | 51 | 39 | 25  | 17  | 24 | 36 | 54 | 67  | 73 | 69 | 66 | 61 | 55  | 51 | 48 | 48 | 49 | 53 | 53 | 54 | 52                | 12.5         | 76         | 13          | 7.7            | 63    |  |  |       |
| 31                         |   | 60 | 66 | 67 | 59 | 42 | 28 | 24  | 24  | 23 | 43 | 60 | 64  | 63 | 61 | 63 | 61 | 60  | 60 | 65 | 65 | 68 | 71 | 66 | 73 | 56                | 21.9         | 81         | 18          | 8.4            | 63    |  |  |       |
| Среднее по<br>всем дням    |   | 60 | 61 | 64 | 59 | 48 | 35 | 25  | 26  | 33 | 47 | 59 | 65  | 65 | 62 | 59 | 55 | 54  | 57 | 60 | 62 | 61 | 62 | 60 | 60 | 54                |              | 84         | 14          |                | 69    |  |  |       |
| Среднее по<br>сп. дням     |   | 54 | 55 | 56 | 53 | 41 | 33 | 30  | 32  | 42 | 53 | 64 | 71  | 72 | 68 | 61 | 57 | 57  | 59 | 61 | 62 | 62 | 64 | 63 | 61 | 55                |              | 78         | 26          |                | 53    |  |  |       |
| Среднее по<br>возмущ. дням |   | 65 | 63 | 71 | 67 | 53 | 40 | 22  | 20  | 21 | 32 | 45 | 47  | 49 | 52 | 52 | 40 | 31  | 40 | 50 | 57 | 53 | 55 | 53 | 56 | 47                |              | 95         | -11         |                | 106   |  |  |       |
| Сумма по<br>всем дням      |   |    |    |    |    |    |    |     |     |    |    |    |     |    |    |    |    |     |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>сп. дням       |   |    |    |    |    |    |    |     |     |    |    |    |     |    |    |    |    |     |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |   |    |    |    |    |    |    |     |     |    |    |    |     |    |    |    |    |     |    |    |    |    |    |    |    |                   |              |            |             |                |       |  |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Эбремидзе М. А.

Проверил Вердзели Н. Ж.

Обсерватория Душети (ЖБилиси)Среднемесячн.  $I = 42106^{\circ}$ Элемент Вертикальная составляющаяМесяц Август год 1980 $I = 42020^{\circ} +$ 

| Время<br>жировое           |  |    |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     | Средн.<br>суточн. |     |     |    | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |     |    | Сумма |    |  |  |  |
|----------------------------|--|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-------------------|-----|-----|----|--------------|------------|-------------|----------------|-------|-----|----|-------|----|--|--|--|
| Дни                        |  | 1  | 2  | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17  | 18                | 19  | 20  | 21 | 22           | 23         | 24          |                |       |     |    |       |    |  |  |  |
| 1 Q                        |  | 91 | 93 | 98  | 101 | 102 | 101 | 95 | 88 | 82 | 78 | 75 | 80 | 83 | 89  | 93  | 93  | 90  | 90                | 89  | 90  | 89 | 89           | 89         | 89          | 90             | 4.9   | 103 | 73 | 10.4  | 30 |  |  |  |
| 2                          |  | 90 | 93 | 99  | 97  | 96  | 92  | 83 | 76 | 63 | 64 | 71 | 73 | 73 | 79  | 84  | 86  | 86  | 89                | 89  | 89  | 87 | 88           | 87         | 88          | 84             | 2.8   | 100 | 61 | 8.7   | 39 |  |  |  |
| 3                          |  | 89 | 90 | 93  | 95  | 93  | 93  | 91 | 90 | 82 | 80 | 81 | 82 | 85 | 91  | 91  | 91  | 92  | 94                | 95  | 96  | 95 | 94           | 95         | 94          | 90             | 19.0  | 97  | 75 | 9.1   | 22 |  |  |  |
| 4                          |  | 93 | 95 | 97  | 94  | 92  | 88  | 85 | 87 | 87 | 81 | 80 | 83 | 85 | 90  | 93  | 91  | 93  | 94                | 94  | 94  | 94 | 94           | 93         | 92          | 90             | 2.5   | 97  | 79 | 10.2  | 18 |  |  |  |
| 5 Q                        |  | 92 | 93 | 95  | 94  | 92  | 90  | 84 | 74 | 64 | 65 | 69 | 73 | 77 | 83  | 85  | 83  | 83  | 85                | 85  | 86  | 87 | 87           | 87         | 87          | 83             | 2.6   | 96  | 63 | 8.8   | 33 |  |  |  |
| 6 D                        |  | 87 | 87 | 86  | 87  | 84  | 79  | 72 | 67 | 66 | 65 | 66 | 73 | 82 | 84  | 85  | 82  | 82  | 85                | 87  | 87  | 90 | 90           | 89         | 87          | 81             | 20.9  | 92  | 64 | 8.2   | 28 |  |  |  |
| 7                          |  | 86 | 89 | 94  | 90  | 91  | 84  | 73 | 66 | 67 | 70 | 74 | 80 | 86 | 85  | 87  | 87  | 88  | 89                | 88  | 89  | 89 | 87           | 86         | 87          | 84             | 2.5   | 94  | 65 | 7.8   | 29 |  |  |  |
| 8 Q                        |  | 87 | 89 | 92  | 93  | 93  | 87  | 81 | 78 | 72 | 62 | 64 | 65 | 67 | 78  | 85  | 85  | 85  | 87                | 88  | 88  | 87 | 86           | 86         | 85          | 82             | 4.4   | 94  | 61 | 9.7   | 33 |  |  |  |
| 9                          |  | 86 | 88 | 94  | 94  | 91  | 83  | 73 | 72 | 73 | 70 | 71 | 70 | 68 | 74  | 79  | 81  | 83  | 84                | 84  | 84  | 85 | 85           | 85         | 85          | 81             | 2.8   | 95  | 65 | 12.1  | 30 |  |  |  |
| 10                         |  | 84 | 87 | 92  | 95  | 96  | 89  | 84 | 80 | 67 | 57 | 59 | 69 | 81 | 87  | 91  | 87  | 84  | 86                | 85  | 86  | 87 | 87           | 87         | 87          | 83             | 4.3   | 97  | 56 | 9.5   | 41 |  |  |  |
| 11                         |  | 87 | 89 | 95  | 97  | 98  | 98  | 88 | 80 | 76 | 72 | 70 | 71 | 72 | 78  | 85  | 83  | 83  | 84                | 84  | 85  | 85 | 85           | 85         | 86          | 84             | 4.8   | 100 | 69 | 10.5  | 31 |  |  |  |
| 12                         |  | 83 | 84 | 89  | 89  | 89  | 89  | 87 | 81 | 70 | 72 | 75 | 73 | 75 | 83  | 89  | 89  | 86  | 87                | 88  | 88  | 88 | 88           | 88         | 89          | 84             | 2.8   | 92  | 68 | 8.5   | 24 |  |  |  |
| 13                         |  | 89 | 90 | 95  | 98  | 91  | 79  | 70 | 66 | 62 | 64 | 67 | 68 | 74 | 81  | 85  | 85  | 85  | 88                | 87  | 87  | 87 | 88           | 88         | 87          | 82             | 3.6   | 99  | 61 | 8.7   | 38 |  |  |  |
| 14                         |  | 84 | 89 | 94  | 95  | 93  | 90  | 75 | 64 | 66 | 60 | 60 | 65 | 72 | 81  | 86  | 86  | 85  | 88                | 90  | 89  | 89 | 85           | 86         | 88          | 82             | 3.1   | 96  | 58 | 10.0  | 38 |  |  |  |
| 15                         |  | 87 | 89 | 94  | 98  | 94  | 85  | 78 | 75 | 71 | 65 | 65 | 70 | 75 | 83  | 86  | 85  | 86  | 88                | 87  | 87  | 87 | 88           | 88         | 88          | 83             | 3.7   | 99  | 63 | 10.0  | 36 |  |  |  |
| 16 D                       |  | 87 | 89 | 94  | 98  | 97  | 90  | 86 | 75 | 65 | 65 | 71 | 73 | 82 | 96  | 107 | 114 | 117 | 112               | 107 | 101 | 99 | 98           | 96         | 96          | 92             | 16.4  | 118 | 62 | 8.9   | 56 |  |  |  |
| 17                         |  | 96 | 97 | 103 | 103 | 103 | 100 | 91 | 82 | 73 | 65 | 67 | 77 | 87 | 91  | 93  | 91  | 93  | 95                | 95  | 96  | 97 | 97           | 97         | 95          | 91             | 4.2   | 104 | 64 | 9.8   | 40 |  |  |  |
| 18 D                       |  | 94 | 95 | 97  | 94  | 90  | 85  | 73 | 66 | 66 | 68 | 75 | 81 | 85 | 89  | 93  | 93  | 94  | 95                | 95  | 96  | 93 | 93           | 94         | 94          | 87             | 2.3   | 98  | 64 | 7.9   | 34 |  |  |  |
| 19 D                       |  | 94 | 96 | 99  | 96  | 96  | 90  | 81 | 76 | 73 | 72 | 76 | 78 | 80 | 83  | 92  | 97  | 91  | 92                | 93  | 94  | 95 | 91           | 92         | 92          | 88             | 15.2  | 101 | 71 | 9.6   | 30 |  |  |  |
| 20                         |  | 92 | 92 | 95  | 92  | 95  | 75  | 68 | 62 | 63 | 66 | 76 | 87 | 91 | 87  | 86  | 88  | 89  | 92                | 92  | 91  | 93 | 93           | 94         | 94          | 86             | 2.3   | 96  | 58 | 7.9   | 38 |  |  |  |
| 21                         |  | 93 | 92 | 95  | 99  | 95  | 84  | 74 | 66 | 68 | 70 | 76 | 80 | 85 | 87  | 89  | 87  | 89  | 91                | 91  | 92  | 94 | 92           | 91         | 91          | 86             | 3.7   | 100 | 65 | 7.5   | 35 |  |  |  |
| 22                         |  | 91 | 92 | 96  | 95  | 93  | 80  | 61 | 61 | 62 | 62 | 67 | 75 | 79 | 83  | 85  | 87  | 89  | 92                | 95  | 93  | 94 | 92           | 92         | 92          | 84             | 2.7   | 98  | 59 | 7.2   | 39 |  |  |  |
| 23                         |  | 93 | 95 | 97  | 98  | 97  | 95  | 87 | 81 | 78 | 81 | 85 | 87 | 88 | 89  | 87  | 86  | 87  | 89                | 89  | 90  | 90 | 90           | 90         | 91          | 89             | 3.4   | 98  | 76 | 8.2   | 22 |  |  |  |
| 24 Q                       |  | 90 | 91 | 95  | 96  | 94  | 84  | 65 | 59 | 63 | 65 | 71 | 81 | 85 | 87  | 87  | 87  | 86  | 88                | 89  | 89  | 89 | 90           | 89         | 90          | 84             | 3.3   | 97  | 58 | 7.3   | 39 |  |  |  |
| 25                         |  | 90 | 91 | 94  | 93  | 91  | 86  | 75 | 66 | 65 | 69 | 76 | 81 | 81 | 80  | 81  | 81  | 84  | 86                | 87  | 88  | 88 | 88           | 89         | 88          | 83             | 2.7   | 94  | 64 | 8.1   | 30 |  |  |  |
| 26                         |  | 89 | 91 | 89  | 92  | 92  | 87  | 68 | 56 | 59 | 67 | 75 | 81 | 86 | 88  | 86  | 85  | 87  | 89                | 91  | 91  | 92 | 92           | 92         | 92          | 84             | 4.4   | 94  | 54 | 7.8   | 40 |  |  |  |
| 27 D                       |  | 92 | 94 | 96  | 95  | 94  | 85  | 73 | 70 | 81 | 85 | 89 | 98 | 97 | 101 | 102 | 101 | 102 | 101               | 100 | 100 | 99 | 98           | 97         | 97          | 94             | 14.7  | 104 | 67 | 7.2   | 37 |  |  |  |
| 28 Q                       |  | 98 | 99 | 102 | 104 | 100 | 86  | 66 | 63 | 66 | 73 | 79 | 83 | 87 | 91  | 93  | 93  | 95  | 97                | 96  | 93  | 92 | 93           | 94         | 94          | 89             | 3.3   | 104 | 62 | 7.1   | 42 |  |  |  |
| 29                         |  | 94 | 95 | 98  | 98  | 95  | 88  | 79 | 72 | 64 | 65 | 70 | 72 | 77 | 83  | 89  | 90  | 91  | 92                | 92  | 92  | 93 | 92           | 92         | 92          | 86             | 2.7   | 99  | 62 | 8.9   | 37 |  |  |  |
| 30                         |  | 92 | 94 | 97  | 99  | 96  | 91  | 85 | 78 | 70 | 69 | 75 | 82 | 85 | 89  | 91  | 91  | 93  | 95                | 96  | 97  | 96 | 95           | 94         | 94          | 89             | 3.7   | 100 | 67 | 9.1   | 33 |  |  |  |
| 31                         |  | 94 | 93 | 95  | 98  | 98  | 90  | 81 | 73 | 76 | 79 | 78 | 81 | 85 | 89  | 90  | 88  | 91  | 91                | 91  | 92  | 92 | 92           | 92         | 92          | 88             | 4.2   | 100 | 71 | 7.6   | 29 |  |  |  |
| Среднее по<br>всем дням    |  | 90 | 92 | 95  | 96  | 94  | 88  | 78 | 73 | 70 | 69 | 73 | 77 | 81 | 86  | 89  | 89  | 89  | 91                | 91  | 91  | 91 | 91           | 90         | 90          | 86             |       | 99  | 65 |       | 34 |  |  |  |
| Среднее по<br>сп. дням     |  | 92 | 93 | 96  | 98  | 96  | 90  | 78 | 72 | 69 | 69 | 72 | 76 | 80 | 86  | 89  | 88  | 88  | 89                | 89  | 89  | 89 | 89           | 89         | 89          | 86             |       | 99  | 63 |       | 35 |  |  |  |
| Среднее по<br>возмущ. дням |  | 91 | 92 | 94  | 94  | 92  | 86  | 77 | 71 | 70 | 71 | 75 | 81 | 85 | 91  | 96  | 97  | 97  | 97                | 96  | 96  | 95 | 94           | 94         | 93          | 89             |       | 103 | 66 |       | 37 |  |  |  |
| Сумма по<br>всем дням      |  |    |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |                   |     |     |    |              |            |             |                |       |     |    |       |    |  |  |  |
| Сумма по<br>сп. дням       |  |    |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |                   |     |     |    |              |            |             |                |       |     |    |       |    |  |  |  |
| Сумма по<br>возмущ. дням   |  |    |    |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |                   |     |     |    |              |            |             |                |       |     |    |       |    |  |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Вержзениш Н.С. Ж.Проверила Эбремидзе М.А.

Обсерватория Душети (ГГШШШШ)Среднемесячн.  $\delta = 5^{\circ}00'7$ Элемент СклонениеМесяц Сентябрь год 1980 $\phi$  =  $4^{\circ}43'.0$  + = ° =

| Время<br>жировое        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>тип | Mini<br>тип | время<br>миним | Ампл. |      |      | Сумма |      |      |      |      |    |    |    |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|------|------|-------|------|------|------|------|----|----|----|
|                         | Дни  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |                   |              |            |             |                |       |      |      |       | 17   | 18   | 19   | 20   | 21 | 22 | 23 |
| 1                       | 18.9 | 19.1 | 20.4 | 21.7 | 23.2 | 23.9 | 21.9 | 18.0 | 14.2 | 12.5 | 12.3 | 13.1 | 14.0 | 14.8 | 15.3 | 15.7 | 15.7 | 15.9              | 16.1         | 16.1       | 16.5        | 16.8           | 17.6  | 17.9 | 17.2 | 5.5   | 24.3 | 11.9 | 10.6 | 12.4 |    |    |    |
| Q 2                     | 18.4 | 18.9 | 21.3 | 23.7 | 25.6 | 25.4 | 22.1 | 17.9 | 13.6 | 11.6 | 11.6 | 12.7 | 14.6 | 15.7 | 16.1 | 15.9 | 15.9 | 16.4              | 16.8         | 17.1       | 17.4        | 17.7           | 17.7  | 17.9 | 17.6 | 4.9   | 26.0 | 11.2 | 10.1 | 14.8 |    |    |    |
| 3                       | 18.3 | 18.5 | 19.4 | 21.1 | 22.6 | 23.2 | 22.1 | 19.1 | 15.7 | 13.8 | 12.1 | 11.4 | 11.4 | 12.5 | 15.7 | 16.4 | 17.9 | 20.4              | 20.6         | 21.1       | 20.7        | 20.2           | 20.7  | 20.0 | 18.1 | 5.4   | 23.4 | 11.2 | 11.2 | 12.2 |    |    |    |
| D 4                     | 21.9 | 23.0 | 21.5 | 23.4 | 24.9 | 24.5 | 20.0 | 16.1 | 13.3 | 11.6 | 11.4 | 12.3 | 14.1 | 15.7 | 17.2 | 17.3 | 17.2 | 17.2              | 18.1         | 17.7       | 18.9        | 19.4           | 19.9  | 20.2 | 18.2 | 5.0   | 25.2 | 11.0 | 10.1 | 14.2 |    |    |    |
| 5                       | 20.1 | 20.8 | 21.7 | 22.6 | 23.7 | 23.4 | 21.1 | 17.0 | 14.4 | 12.7 | 12.5 | 13.8 | 15.9 | 17.2 | 17.2 | 17.9 | 18.7 | 20.7              | 19.1         | 19.6       | 20.4        | 20.9           | 21.1  | 20.4 | 18.9 | 4.8   | 24.2 | 11.9 | 9.9  | 12.3 |    |    |    |
| 6                       | 21.0 | 20.7 | 21.5 | 22.6 | 23.2 | 22.7 | 20.2 | 17.2 | 14.2 | 12.9 | 13.5 | 15.0 | 16.4 | 16.4 | 16.3 | 16.6 | 15.9 | 15.7              | 16.8         | 17.2       | 17.2        | 17.6           | 17.6  | 19.1 | 17.8 | 4.6   | 23.4 | 12.4 | 9.4  | 11.0 |    |    |    |
| 7                       | 19.7 | 19.7 | 20.9 | 22.4 | 22.7 | 22.4 | 19.6 | 16.4 | 13.1 | 10.6 | 11.0 | 13.1 | 16.6 | 18.1 | 18.3 | 17.7 | 17.4 | 17.7              | 18.3         | 18.9       | 18.9        | 17.9           | 16.8  | 18.9 | 17.8 | 4.8   | 23.0 | 9.7  | 9.7  | 13.3 |    |    |    |
| 8                       | 19.6 | 18.9 | 20.4 | 22.4 | 23.4 | 23.4 | 20.2 | 16.8 | 13.1 | 10.8 | 10.6 | 12.5 | 14.9 | 16.8 | 17.0 | 16.8 | 16.2 | 16.8              | 16.6         | 16.8       | 17.4        | 18.3           | 18.0  | 18.3 | 17.3 | 5.1   | 24.0 | 9.9  | 10.1 | 14.1 |    |    |    |
| D 9                     | 18.7 | 18.7 | 18.9 | 20.2 | 21.5 | 21.7 | 20.2 | 17.7 | 14.0 | 11.6 | 11.1 | 12.3 | 14.8 | 16.8 | 18.1 | 17.9 | 19.1 | 18.5              | 17.9         | 17.7       | 17.7        | 18.3           | 19.7  | 20.1 | 17.6 | 4.9   | 22.0 | 10.8 | 10.8 | 11.2 |    |    |    |
| Q 10                    | 20.0 | 19.4 | 20.1 | 21.9 | 23.5 | 23.9 | 21.7 | 17.7 | 14.2 | 12.1 | 11.6 | 12.7 | 14.9 | 16.6 | 17.4 | 17.2 | 17.9 | 17.9              | 17.7         | 17.7       | 17.7        | 17.9           | 18.1  | 18.0 | 17.8 | 5.8   | 24.1 | 11.4 | 10.3 | 12.7 |    |    |    |
| 11                      | 18.5 | 18.9 | 19.7 | 21.7 | 23.7 | 23.9 | 22.6 | 18.5 | 15.5 | 13.3 | 11.9 | 12.5 | 13.8 | 15.7 | 17.0 | 17.4 | 18.5 | 17.6              | 17.7         | 17.7       | 18.0        | 18.1           | 18.4  | 18.3 | 17.9 | 5.9   | 24.3 | 11.5 | 10.5 | 12.8 |    |    |    |
| D 12                    | 18.8 | 19.3 | 20.2 | 21.6 | 23.0 | 24.3 | 22.9 | 19.7 | 15.9 | 13.8 | 13.1 | 14.0 | 15.5 | 15.7 | 16.4 | 21.3 | 21.1 | 20.9              | 19.8         | 20.0       | 20.7        | 20.6           | 21.5  | 22.1 | 19.3 | 5.8   | 24.4 | 12.6 | 10.0 | 11.8 |    |    |    |
| D 13                    | 22.1 | 22.1 | 21.9 | 22.1 | 23.0 | 22.9 | 21.3 | 18.3 | 15.5 | 13.6 | 12.6 | 12.9 | 14.0 | 16.8 | 17.0 | 18.3 | 18.3 | 17.7              | 17.9         | 19.1       | 19.4        | 19.4           | 19.1  | 19.1 | 18.5 | 4.4   | 23.4 | 12.2 | 10.8 | 11.2 |    |    |    |
| 14                      | 19.2 | 19.1 | 19.6 | 21.0 | 22.8 | 23.2 | 22.6 | 20.7 | 17.2 | 12.9 | 11.9 | 12.7 | 14.0 | 15.9 | 16.6 | 16.8 | 16.6 | 17.0              | 17.2         | 17.5       | 17.9        | 18.3           | 18.5  | 20.4 | 17.9 | 5.3   | 23.4 | 11.2 | 10.0 | 12.2 |    |    |    |
| 15                      | 20.9 | 19.6 | 18.7 | 20.3 | 22.6 | 23.7 | 23.7 | 20.7 | 17.4 | 14.2 | 11.6 | 12.0 | 13.4 | 15.3 | 16.8 | 17.0 | 17.7 | 18.5              | 19.3         | 19.4       | 18.3        | 18.7           | 18.5  | 18.1 | 18.2 | 6.3   | 24.3 | 11.4 | 10.9 | 12.9 |    |    |    |
| 16                      | 18.3 | 18.5 | 18.7 | 21.1 | 23.0 | 24.1 | 22.8 | 19.6 | 15.7 | 13.8 | 13.1 | 13.4 | 14.2 | 15.3 | 16.2 | 16.7 | 16.8 | 17.0              | 17.0         | 17.0       | 19.3        | 18.7           | 18.1  | 18.3 | 17.8 | 5.7   | 24.3 | 12.9 | 10.6 | 11.4 |    |    |    |
| D 17                    | 18.4 | 18.9 | 18.9 | 20.2 | 21.5 | 21.8 | 20.7 | 17.7 | 14.4 | 12.1 | 12.1 | 13.1 | 14.2 | 16.5 | 16.8 | 16.8 | 18.9 | 17.8              | 17.7         | 17.9       | 17.9        | 17.9           | 17.2  | 18.7 | 17.4 | 5.7   | 22.1 | 11.4 | 10.2 | 10.7 |    |    |    |
| 18                      | 18.7 | 18.7 | 19.3 | 20.2 | 21.3 | 21.5 | 19.8 | 17.0 | 15.1 | 13.6 | 12.5 | 13.7 | 15.1 | 16.3 | 16.4 | 16.1 | 16.7 | 16.9              | 17.0         | 17.4       | 17.9        | 18.0           | 18.0  | 18.0 | 17.3 | 5.4   | 21.9 | 12.2 | 10.5 | 9.7  |    |    |    |
| 19                      | 18.3 | 18.9 | 18.9 | 19.4 | 20.7 | 22.1 | 21.5 | 19.1 | 16.1 | 13.8 | 12.5 | 12.7 | 14.6 | 15.9 | 15.9 | 16.4 | 16.7 | 16.8              | 17.4         | 18.1       | 18.3        | 18.5           | 17.4  | 18.7 | 17.4 | 5.9   | 22.4 | 11.9 | 10.7 | 10.5 |    |    |    |
| 20                      | 18.9 | 18.9 | 19.1 | 20.4 | 22.8 | 21.9 | 19.1 | 15.1 | 12.3 | 11.3 | 11.6 | 13.1 | 14.9 | 16.0 | 15.7 | 15.7 | 16.1 | 15.9              | 16.6         | 17.3       | 17.7        | 18.1           | 18.5  | 18.5 | 16.9 | 4.4   | 23.6 | 11.1 | 9.1  | 12.5 |    |    |    |
| Q 21                    | 18.3 | 17.9 | 17.9 | 18.5 | 19.8 | 20.7 | 20.4 | 18.7 | 16.8 | 15.6 | 15.1 | 14.9 | 14.6 | 15.1 | 15.3 | 15.7 | 16.1 | 16.4              | 16.8         | 17.2       | 17.8        | 18.1           | 18.3  | 18.5 | 17.3 | 5.8   | 20.9 | 14.4 | 12.5 | 6.5  |    |    |    |
| 22                      | 18.3 | 18.0 | 17.9 | 18.0 | 18.9 | 21.1 | 21.9 | 20.9 | 18.1 | 15.5 | 14.2 | 13.1 | 12.7 | 14.2 | 17.0 | 17.0 | 17.8 | 18.8              | 18.1         | 17.6       | 17.7        | 17.7           | 17.7  | 17.6 | 17.5 | 6.8   | 22.1 | 12.5 | 12.4 | 9.6  |    |    |    |
| 23                      | 17.7 | 17.9 | 18.3 | 19.6 | 22.4 | 24.1 | 23.0 | 19.1 | 15.9 | 14.0 | 13.4 | 14.4 | 15.3 | 15.5 | 15.3 | 15.7 | 16.1 | 16.6              | 16.8         | 17.2       | 17.7        | 18.5           | 18.1  | 18.1 | 17.5 | 5.6   | 24.4 | 13.1 | 10.4 | 11.3 |    |    |    |
| Q 24                    | 18.1 | 18.3 | 18.7 | 19.6 | 21.1 | 22.4 | 22.5 | 20.2 | 16.6 | 13.6 | 11.9 | 12.5 | 14.4 | 15.7 | 16.1 | 16.6 | 16.8 | 17.7              | 17.7         | 17.4       | 17.4        | 17.2           | 17.4  | 17.7 | 17.4 | 6.2   | 23.0 | 11.5 | 10.9 | 11.5 |    |    |    |
| 25                      | 18.0 | 18.5 | 18.8 | 20.2 | 21.7 | 22.8 | 22.1 | 19.4 | 16.6 | 14.0 | 12.7 | 12.9 | 14.4 | 15.5 | 16.1 | 17.0 | 17.7 | 17.2              | 18.3         | 18.3       | 17.7        | 17.8           | 17.9  | 17.8 | 17.6 | 5.5   | 23.1 | 12.1 | 10.7 | 11.0 |    |    |    |
| Q 26                    | 17.7 | 17.9 | 18.3 | 20.4 | 23.2 | 24.5 | 23.4 | 19.7 | 16.1 | 13.3 | 12.1 | 12.3 | 14.2 | 15.3 | 16.2 | 16.4 | 16.6 | 17.0              | 18.1         | 18.3       | 17.8        | 17.4           | 17.3  | 17.3 | 17.5 | 5.7   | 24.7 | 11.4 | 10.0 | 13.3 |    |    |    |
| 27                      | 17.6 | 17.7 | 18.0 | 19.3 | 21.3 | 22.6 | 21.3 | 18.1 | 13.4 | 11.3 | 10.1 | 10.6 | 12.3 | 14.0 | 14.6 | 14.9 | 15.5 | 16.4              | 17.9         | 17.9       | 17.7        | 17.7           | 17.7  | 17.3 | 16.5 | 5.4   | 22.8 | 9.7  | 10.9 | 13.1 |    |    |    |
| 28                      | 17.4 | 17.7 | 17.6 | 18.7 | 21.5 | 23.6 | 24.3 | 22.1 | 17.9 | 13.8 | 11.3 | 10.8 | 12.1 | 13.8 | 14.6 | 14.2 | 15.1 | 15.9              | 16.6         | 17.9       | 18.1        | 18.9           | 19.1  | 18.3 | 17.1 | 6.4   | 24.6 | 10.6 | 11.1 | 14.0 |    |    |    |
| 29                      | 18.5 | 18.3 | 18.2 | 19.1 | 21.1 | 22.8 | 22.8 | 19.6 | 15.7 | 12.9 | 11.2 | 11.4 | 12.9 | 14.2 | 14.9 | 14.9 | 15.7 | 16.4              | 17.2         | 17.1       | 17.4        | 18.5           | 18.9  | 19.1 | 17.0 | 6.1   | 23.6 | 10.7 | 10.7 | 12.9 |    |    |    |
| 30                      | 19.1 | 19.7 | 19.3 | 19.1 | 21.1 | 22.4 | 21.9 | 19.4 | 15.9 | 13.6 | 12.5 | 12.9 | 14.6 | 15.7 | 15.9 | 15.7 | 16.4 | 16.6              | 16.6         | 16.8       | 17.4        | 17.7           | 18.1  | 17.9 | 17.3 | 5.8   | 22.8 | 12.3 | 10.9 | 10.5 |    |    |    |
| 31                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |            |             |                |       |      |      |       |      |      |      |      |    |    |    |
| Среднее по<br>всем дням | 19.0 | 19.1 | 19.5 | 20.8 | 22.4 | 23.0 | 21.7 | 18.6 | 15.3 | 13.0 | 12.2 | 12.8 | 14.3 | 15.6 | 16.3 | 16.7 | 17.1 | 17.4              | 17.7         | 17.        |             |                |       |      |      |       |      |      |      |      |    |    |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Бенситаишвили Я.А. Проверила Эбремидзе М.А.



Обсерватория Душети (Жулиш)Среднемесячн.  $H = 24161^{\circ}$ Элемент Горизонтальная составляющаяМесяц Сентябрь год 1980 $H = 24110^{\circ}$  + = ° =

| Время<br>кировое           |  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |     |  | Сумма |  |
|----------------------------|--|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------|--------------|------------|-------------|----------------|-------|-----|--|-------|--|
| Дни                        |  | 1  | 2  | 3  | 4  | 5  | 6   | 7   | 8   | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24                |              |            |             |                |       |     |  |       |  |
| 1                          |  | 73 | 67 | 69 | 69 | 60 | 47  | 36  | 43  | 53 | 54 | 55 | 63 | 67 | 73 | 75 | 72 | 73 | 73 | 73 | 77 | 80 | 79 | 77 | 78                | 66           | 23.5       | 82          | 33             | 6.5   | 49  |  |       |  |
| Q 2                        |  | 79 | 73 | 60 | 56 | 48 | 39  | 33  | 23  | 28 | 43 | 57 | 61 | 63 | 67 | 69 | 66 | 66 | 65 | 65 | 66 | 66 | 63 | 66 | 66                | 58           | 0.4        | 81          | 19             | 7.4   | 62  |  |       |  |
| 3                          |  | 65 | 66 | 69 | 67 | 63 | 53  | 41  | 46  | 59 | 67 | 77 | 84 | 90 | 90 | 72 | 54 | 30 | 27 | 24 | 29 | 43 | 39 | 35 | 42                | 56           | 13.7       | 96          | 16             | 18.9  | 80  |  |       |  |
| D 4                        |  | 43 | 33 | 37 | 41 | 25 | 18  | 20  | 29  | 43 | 55 | 64 | 69 | 66 | 54 | 49 | 48 | 48 | 46 | 51 | 52 | 61 | 48 | 45 | 49                | 46           | 11.7       | 77          | 15             | 5.5   | 62  |  |       |  |
| 5                          |  | 49 | 50 | 47 | 43 | 31 | 17  | 12  | 19  | 36 | 55 | 55 | 49 | 46 | 44 | 36 | 35 | 30 | 33 | 28 | 25 | 19 | 21 | 30 | 39                | 35           | 9.9        | 61          | 6              | 6.2   | 55  |  |       |  |
| 6                          |  | 46 | 46 | 48 | 43 | 31 | 24  | 21  | 11  | 27 | 37 | 49 | 59 | 66 | 73 | 66 | 59 | 54 | 54 | 53 | 55 | 55 | 63 | 60 | 57                | 48           | 13.1       | 87          | 3              | 7.0   | 84  |  |       |  |
| 7                          |  | 54 | 55 | 53 | 46 | 30 | 15  | 4   | 7   | 24 | 45 | 57 | 65 | 63 | 60 | 56 | 59 | 59 | 53 | 41 | 36 | 39 | 51 | 66 | 60                | 46           | 22.0       | 75          | 2              | 6.9   | 73  |  |       |  |
| 8                          |  | 48 | 48 | 46 | 36 | 18 | -13 | -31 | -22 | 12 | 40 | 58 | 69 | 65 | 66 | 67 | 49 | 48 | 51 | 58 | 60 | 60 | 57 | 60 | 61                | 42           | 11.3       | 72          | -35            | 6.7   | 107 |  |       |  |
| D 9                        |  | 62 | 61 | 63 | 64 | 58 | 41  | 18  | 17  | 33 | 48 | 59 | 57 | 65 | 56 | 47 | 39 | 54 | 57 | 48 | 52 | 53 | 55 | 57 | 52                | 51           | 17.1       | 71          | 10             | 7.0   | 61  |  |       |  |
| Q 10                       |  | 50 | 51 | 49 | 48 | 41 | 27  | 12  | 11  | 19 | 39 | 55 | 66 | 69 | 65 | 59 | 55 | 55 | 52 | 55 | 59 | 58 | 61 | 61 | 63                | 49           | 12.4       | 72          | 9              | 7.3   | 63  |  |       |  |
| 11                         |  | 61 | 60 | 60 | 60 | 56 | 44  | 24  | 24  | 33 | 43 | 51 | 55 | 54 | 51 | 48 | 44 | 48 | 52 | 54 | 55 | 55 | 54 | 54 | 53                | 50           | 3.0        | 63          | 17             | 7.0   | 46  |  |       |  |
| D 12                       |  | 55 | 55 | 59 | 59 | 52 | 31  | 6   | -3  | 3  | 18 | 24 | 21 | 15 | 5  | 13 | 18 | 19 | 15 | 28 | 30 | 29 | 39 | 53 | 33                | 28           | 22.0       | 80          | -14            | 7.9   | 94  |  |       |  |
| D 13                       |  | 35 | 27 | 38 | 33 | 27 | 15  | -5  | -7  | 9  | 7  | 0  | 0  | -9 | -6 | 0  | 7  | 21 | 31 | 39 | 39 | 36 | 42 | 40 | 41                | 19           | 21.8       | 44          | -23            | 12.9  | 67  |  |       |  |
| 14                         |  | 39 | 43 | 48 | 54 | 45 | 31  | 18  | 12  | 17 | 19 | 19 | 33 | 48 | 54 | 55 | 51 | 52 | 54 | 57 | 57 | 59 | 55 | 67 | 60                | 44           | 22.8       | 79          | 9              | 7.7   | 70  |  |       |  |
| 15                         |  | 42 | 43 | 48 | 54 | 51 | 41  | 15  | 12  | 18 | 30 | 41 | 45 | 45 | 49 | 47 | 47 | 45 | 37 | 41 | 49 | 53 | 49 | 49 | 54                | 42           | 3.4        | 56          | 9              | 7.1   | 47  |  |       |  |
| 16                         |  | 51 | 51 | 52 | 52 | 43 | 41  | 28  | 23  | 29 | 33 | 46 | 55 | 61 | 61 | 65 | 61 | 61 | 63 | 68 | 69 | 65 | 59 | 60 | 63                | 52           | 20.9       | 75          | 22             | 7.6   | 53  |  |       |  |
| D 17                       |  | 61 | 57 | 55 | 55 | 49 | 35  | 23  | 22  | 15 | 18 | 25 | 33 | 31 | 46 | 43 | 43 | 44 | 51 | 55 | 54 | 55 | 55 | 72 | 55                | 44           | 22.5       | 81          | 10             | 8.9   | 71  |  |       |  |
| 18                         |  | 53 | 54 | 52 | 48 | 42 | 33  | 30  | 37  | 43 | 60 | 69 | 70 | 71 | 65 | 59 | 58 | 57 | 55 | 53 | 60 | 57 | 55 | 59 | 61                | 54           | 12.2       | 72          | 26             | 6.3   | 46  |  |       |  |
| 19                         |  | 59 | 57 | 55 | 57 | 55 | 47  | 37  | 42  | 51 | 55 | 58 | 51 | 44 | 48 | 55 | 51 | 51 | 55 | 53 | 49 | 53 | 55 | 71 | 59                | 53           | 22.2       | 77          | 36             | 6.7   | 41  |  |       |  |
| 20                         |  | 59 | 60 | 66 | 60 | 47 | 34  | 29  | 37  | 51 | 63 | 69 | 73 | 69 | 63 | 61 | 59 | 54 | 57 | 61 | 63 | 65 | 60 | 60 | 59                | 57           | 11.9       | 75          | 27             | 6.5   | 47  |  |       |  |
| Q 21                       |  | 59 | 61 | 64 | 61 | 54 | 37  | 29  | 40  | 54 | 61 | 67 | 70 | 66 | 61 | 61 | 60 | 61 | 63 | 65 | 65 | 65 | 66 | 65 | 65                | 59           | 11.5       | 72          | 25             | 6.6   | 47  |  |       |  |
| 22                         |  | 65 | 66 | 69 | 75 | 75 | 67  | 49  | 41  | 54 | 66 | 73 | 75 | 72 | 49 | 35 | 40 | 45 | 42 | 49 | 59 | 61 | 63 | 62 | 63                | 59           | 3.8        | 81          | 29             | 14.6  | 52  |  |       |  |
| 23                         |  | 63 | 60 | 60 | 58 | 51 | 42  | 33  | 40  | 41 | 46 | 49 | 49 | 48 | 51 | 57 | 59 | 61 | 63 | 65 | 63 | 61 | 63 | 59 | 61                | 54           | 21.1       | 67          | 32             | 6.6   | 35  |  |       |  |
| Q 24                       |  | 60 | 61 | 63 | 63 | 61 | 48  | 35  | 33  | 43 | 57 | 71 | 73 | 72 | 65 | 57 | 59 | 57 | 60 | 59 | 61 | 61 | 63 | 66 | 65                | 59           | 10.9       | 78          | 29             | 7.0   | 49  |  |       |  |
| 25                         |  | 61 | 60 | 58 | 55 | 55 | 45  | 38  | 37  | 40 | 46 | 54 | 58 | 59 | 55 | 52 | 49 | 51 | 54 | 63 | 63 | 60 | 60 | 60 | 61                | 54           | 18.6       | 66          | 35             | 7.9   | 31  |  |       |  |
| Q 26                       |  | 60 | 59 | 60 | 60 | 48 | 36  | 21  | 24  | 30 | 41 | 51 | 54 | 58 | 59 | 57 | 55 | 55 | 59 | 65 | 67 | 65 | 65 | 64 | 64                | 53           | 19.1       | 70          | 18             | 6.6   | 52  |  |       |  |
| 27                         |  | 63 | 61 | 63 | 67 | 63 | 59  | 53  | 52  | 55 | 64 | 78 | 81 | 82 | 77 | 71 | 69 | 66 | 63 | 83 | 73 | 71 | 66 | 71 | 66                | 67           | 18.6       | 87          | 49             | 7.2   | 38  |  |       |  |
| 28                         |  | 72 | 73 | 67 | 77 | 72 | 55  | 42  | 33  | 47 | 59 | 61 | 69 | 73 | 72 | 60 | 59 | 67 | 67 | 63 | 57 | 54 | 67 | 63 | 59                | 62           | 3.5        | 79          | 25             | 7.3   | 54  |  |       |  |
| 29                         |  | 57 | 60 | 61 | 67 | 67 | 60  | 54  | 58  | 57 | 63 | 75 | 79 | 77 | 72 | 71 | 73 | 63 | 60 | 51 | 79 | 72 | 61 | 58 | 56                | 65           | 19.7       | 89          | 46             | 18.5  | 43  |  |       |  |
| 30                         |  | 55 | 55 | 60 | 61 | 55 | 45  | 33  | 27  | 39 | 53 | 60 | 67 | 62 | 57 | 55 | 55 | 55 | 59 | 66 | 66 | 60 | 60 | 60 | 60                | 55           | 18.9       | 73          | 24             | 7.5   | 49  |  |       |  |
| 31                         |  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |     |  |       |  |
| Среднее по<br>всем дням    |  | 57 | 56 | 57 | 56 | 49 | 37  | 25  | 26  | 35 | 46 | 54 | 58 | 59 | 57 | 54 | 52 | 52 | 52 | 54 | 56 | 56 | 56 | 59 | 58                | 51           |            | 75          | 17             |       | 58  |  |       |  |
| Среднее по<br>сп. дням     |  | 62 | 61 | 59 | 58 | 50 | 37  | 26  | 26  | 35 | 48 | 60 | 65 | 66 | 63 | 61 | 59 | 59 | 60 | 62 | 64 | 63 | 64 | 64 | 65                | 56           |            | 75          | 20             |       | 55  |  |       |  |
| Среднее по<br>возмущ. дням |  | 51 | 47 | 50 | 50 | 42 | 28  | 12  | 12  | 21 | 29 | 34 | 36 | 34 | 31 | 30 | 31 | 37 | 40 | 44 | 45 | 47 | 48 | 53 | 46                | 37           |            | 71          | 0              |       | 71  |  |       |  |
| Сумма по<br>всем дням      |  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |     |  |       |  |
| Сумма по<br>сп. дням       |  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |     |  |       |  |
| Сумма по<br>возмущ. дням   |  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |              |            |             |                |       |     |  |       |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Эбремидзе М.А.Проверил Вердзеели И. Ж.

Месяц Сентябрь год 1980

$I = 42020^{\circ}$  +            =

| Время<br>яровое           |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>minim | Ампл. |    | Сумма |      |     |     |      |    |    |    |
|---------------------------|----|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|----|-------|------|-----|-----|------|----|----|----|
|                           | 1  | 2  | 3   | 4   | 5   | 6   | 7   | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16  | 17  |                   |              |            |             |                |       |    |       | 18   | 19  | 20  | 21   | 22 | 23 | 24 |
| Дни                       |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |                   |              |            |             |                |       |    |       |      |     |     |      |    |    |    |
| 1                         | 89 | 90 | 92  | 89  | 86  | 82  | 70  | 61 | 61 | 67 | 69 | 73 | 77 | 80 | 82  | 83  | 85  | 86                | 86           | 86         | 87          | 87             | 86    | 81 | 2.2   | 93   | 59  | 7.6 | 34   |    |    |    |
| Q 2                       | 87 | 88 | 94  | 94  | 91  | 82  | 72  | 71 | 68 | 67 | 70 | 79 | 82 | 88 | 85  | 84  | 86  | 87                | 87           | 87         | 87          | 87             | 87    | 83 | 3.1   | 95   | 66  | 9.9 | 29   |    |    |    |
| 3                         | 88 | 88 | 89  | 91  | 89  | 84  | 78  | 74 | 75 | 78 | 76 | 72 | 71 | 77 | 87  | 90  | 95  | 99                | 100          | 99         | 96          | 96             | 96    | 95 | 87    | 18.9 | 101 | 70  | 12.3 | 31 |    |    |
| D 4                       | 92 | 94 | 96  | 95  | 97  | 87  | 74  | 72 | 75 | 72 | 71 | 77 | 84 | 88 | 88  | 89  | 92  | 94                | 93           | 93         | 91          | 93             | 93    | 93 | 87    | 2.3  | 98  | 69  | 10.0 | 29 |    |    |
| 5                         | 93 | 93 | 95  | 97  | 97  | 94  | 81  | 77 | 78 | 75 | 79 | 83 | 85 | 86 | 89  | 92  | 97  | 98                | 99           | 101        | 101         | 101            | 99    | 97 | 91    | 20.9 | 102 | 74  | 9.6  | 28 |    |    |
| 6                         | 96 | 98 | 100 | 98  | 92  | 83  | 76  | 74 | 75 | 74 | 76 | 83 | 86 | 87 | 85  | 88  | 92  | 93                | 92           | 92         | 92          | 91             | 92    | 92 | 88    | 2.3  | 100 | 73  | 7.7  | 27 |    |    |
| 7                         | 92 | 93 | 96  | 97  | 95  | 93  | 90  | 86 | 82 | 72 | 73 | 76 | 83 | 84 | 83  | 86  | 89  | 91                | 93           | 95         | 95          | 94             | 91    | 91 | 88    | 3.8  | 98  | 70  | 9.6  | 28 |    |    |
| 8                         | 93 | 95 | 97  | 99  | 99  | 96  | 91  | 85 | 76 | 71 | 75 | 82 | 87 | 87 | 85  | 88  | 92  | 93                | 92           | 92         | 92          | 92             | 91    | 91 | 89    | 3.8  | 101 | 70  | 9.3  | 31 |    |    |
| D 9                       | 90 | 91 | 94  | 95  | 96  | 93  | 84  | 72 | 68 | 68 | 70 | 79 | 88 | 92 | 93  | 91  | 93  | 92                | 93           | 93         | 92          | 91             | 91    | 92 | 88    | 4.8  | 97  | 65  | 9.0  | 32 |    |    |
| Q 10                      | 92 | 93 | 95  | 99  | 102 | 102 | 95  | 89 | 87 | 86 | 87 | 88 | 87 | 88 | 88  | 87  | 90  | 92                | 92           | 91         | 91          | 91             | 91    | 91 | 91    | 5.4  | 104 | 85  | 9.9  | 19 |    |    |
| 11                        | 91 | 91 | 93  | 95  | 97  | 96  | 90  | 76 | 72 | 71 | 71 | 77 | 82 | 88 | 90  | 91  | 93  | 93                | 92           | 93         | 92          | 93             | 93    | 93 | 88    | 5.0  | 98  | 70  | 9.8  | 28 |    |    |
| D 12                      | 92 | 93 | 93  | 96  | 94  | 92  | 87  | 82 | 79 | 78 | 82 | 87 | 94 | 97 | 96  | 103 | 105 | 105               | 103          | 103        | 103         | 101            | 95    | 98 | 94    | 17.1 | 107 | 77  | 9.3  | 30 |    |    |
| D 13                      | 97 | 98 | 98  | 101 | 100 | 96  | 91  | 86 | 83 | 84 | 88 | 92 | 95 | 99 | 102 | 102 | 102 | 101               | 100          | 100        | 100         | 99             | 99    | 98 | 96    | 14.2 | 103 | 81  | 8.4  | 22 |    |    |
| 14                        | 98 | 97 | 97  | 99  | 102 | 100 | 92  | 83 | 73 | 74 | 79 | 86 | 89 | 92 | 93  | 92  | 93  | 94                | 94           | 94         | 94          | 95             | 94    | 92 | 92    | 4.6  | 102 | 71  | 8.6  | 31 |    |    |
| 15                        | 94 | 94 | 96  | 99  | 100 | 98  | 96  | 87 | 82 | 77 | 76 | 80 | 85 | 91 | 94  | 94  | 96  | 98                | 98           | 96         | 96          | 96             | 95    | 94 | 92    | 4.3  | 101 | 75  | 10.5 | 26 |    |    |
| 16                        | 94 | 94 | 96  | 101 | 104 | 99  | 94  | 87 | 80 | 77 | 81 | 84 | 84 | 88 | 89  | 90  | 91  | 92                | 91           | 93         | 94          | 93             | 93    | 92 | 91    | 4.5  | 105 | 76  | 9.3  | 29 |    |    |
| D 17                      | 92 | 93 | 94  | 94  | 96  | 94  | 88  | 81 | 81 | 85 | 86 | 96 | 98 | 95 | 96  | 96  | 97  | 96                | 95           | 95         | 95          | 95             | 92    | 92 | 93    | 12.5 | 99  | 79  | 7.1  | 20 |    |    |
| 18                        | 92 | 93 | 95  | 95  | 94  | 89  | 84  | 79 | 75 | 72 | 74 | 79 | 85 | 88 | 88  | 90  | 92  | 93                | 94           | 93         | 93          | 94             | 93    | 93 | 88    | 3.5  | 98  | 71  | 9.9  | 27 |    |    |
| 19                        | 93 | 93 | 93  | 94  | 96  | 92  | 87  | 80 | 73 | 71 | 75 | 83 | 88 | 91 | 91  | 93  | 94  | 94                | 94           | 95         | 95          | 95             | 92    | 93 | 89    | 4.7  | 96  | 69  | 9.2  | 27 |    |    |
| 20                        | 92 | 92 | 93  | 97  | 99  | 92  | 72  | 63 | 64 | 64 | 72 | 80 | 87 | 90 | 90  | 90  | 93  | 93                | 93           | 93         | 92          | 93             | 93    | 93 | 87    | 4.7  | 100 | 59  | 7.3  | 41 |    |    |
| Q 21                      | 93 | 92 | 93  | 95  | 98  | 99  | 97  | 91 | 91 | 82 | 78 | 82 | 87 | 86 | 89  | 91  | 91  | 91                | 91           | 92         | 92          | 92             | 92    | 92 | 91    | 5.7  | 99  | 77  | 10.3 | 22 |    |    |
| 22                        | 91 | 91 | 91  | 93  | 99  | 103 | 107 | 96 | 77 | 69 | 71 | 74 | 79 | 87 | 95  | 95  | 95  | 96                | 95           | 94         | 94          | 93             | 93    | 92 | 90    | 6.4  | 108 | 68  | 9.3  | 40 |    |    |
| 23                        | 92 | 93 | 93  | 99  | 105 | 102 | 91  | 83 | 80 | 78 | 82 | 88 | 90 | 90 | 90  | 91  | 92  | 92                | 92           | 92         | 92          | 92             | 93    | 92 | 91    | 4.8  | 106 | 78  | 9.3  | 28 |    |    |
| Q 24                      | 92 | 92 | 93  | 96  | 100 | 99  | 92  | 83 | 74 | 67 | 68 | 75 | 81 | 84 | 86  | 90  | 92  | 92                | 92           | 92         | 92          | 93             | 92    | 92 | 88    | 4.9  | 102 | 66  | 9.7  | 36 |    |    |
| 25                        | 92 | 92 | 92  | 95  | 97  | 96  | 88  | 79 | 75 | 74 | 74 | 80 | 83 | 89 | 91  | 93  | 94  | 95                | 93           | 93         | 93          | 93             | 93    | 93 | 89    | 5.1  | 98  | 73  | 10.2 | 25 |    |    |
| Q 26                      | 93 | 93 | 94  | 98  | 100 | 97  | 87  | 80 | 77 | 76 | 77 | 82 | 87 | 88 | 90  | 92  | 93  | 93                | 92           | 92         | 92          | 92             | 93    | 93 | 90    | 4.5  | 102 | 75  | 9.2  | 27 |    |    |
| 27                        | 92 | 92 | 93  | 95  | 95  | 92  | 85  | 78 | 77 | 76 | 75 | 80 | 80 | 84 | 87  | 88  | 90  | 91                | 89           | 90         | 91          | 92             | 90    | 90 | 87    | 4.7  | 96  | 77  | 10.3 | 22 |    |    |
| 28                        | 89 | 89 | 91  | 94  | 96  | 97  | 94  | 82 | 71 | 64 | 62 | 68 | 79 | 86 | 90  | 89  | 90  | 91                | 92           | 93         | 94          | 92             | 92    | 92 | 87    | 5.7  | 98  | 61  | 10.5 | 37 |    |    |
| 29                        | 91 | 91 | 91  | 94  | 96  | 95  | 88  | 77 | 70 | 68 | 69 | 74 | 79 | 84 | 84  | 88  | 92  | 93                | 95           | 92         | 90          | 91             | 92    | 92 | 86    | 4.9  | 97  | 65  | 9.6  | 32 |    |    |
| 30                        | 92 | 92 | 91  | 92  | 93  | 93  | 90  | 82 | 76 | 75 | 74 | 77 | 83 | 86 | 87  | 90  | 91  | 91                | 91           | 92         | 92          | 93             | 92    | 92 | 88    | 5.3  | 94  | 73  | 10.3 | 21 |    |    |
| 31                        |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |                   |              |            |             |                |       |    |       |      |     |     |      |    |    |    |
| Среднее по<br>всем дням   | 92 | 93 | 94  | 96  | 97  | 94  | 87  | 80 | 76 | 74 | 75 | 81 | 85 | 88 | 89  | 91  | 93  | 94                | 93           | 94         | 93          | 93             | 93    | 92 | 89    |      | 100 | 71  |      | 29 |    |    |
| Среднее по<br>сп. дням    | 91 | 92 | 94  | 96  | 98  | 96  | 89  | 83 | 79 | 76 | 76 | 81 | 85 | 87 | 88  | 89  | 90  | 91                | 91           | 91         | 91          | 91             | 91    | 91 | 89    |      | 100 | 74  |      | 27 |    |    |
| Среднее по<br>озмущ. дням | 93 | 94 | 95  | 96  | 97  | 92  | 85  | 79 | 77 | 77 | 79 | 86 | 92 | 94 | 95  | 96  | 98  | 98                | 97           | 97         | 96          | 96             | 94    | 95 | 92    |      | 101 | 74  |      | 27 |    |    |
| Сумма по<br>всем дням     |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |                   |              |            |             |                |       |    |       |      |     |     |      |    |    |    |
| Сумма по<br>сп. дням      |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |                   |              |            |             |                |       |    |       |      |     |     |      |    |    |    |
| Сумма по<br>озмущ. дням   |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |                   |              |            |             |                |       |    |       |      |     |     |      |    |    |    |

Обсерватория Душети (Абшиш)Среднемесячн.  $\phi = 5^{\circ}01'.4$ Элемент СклонениеМесяц Октябрь год 1980 $\phi = 4^{\circ}43'.0 + = \text{ }^{\circ} =$ 

| Время<br>жировое |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>тум | Mini<br>тум | время<br>minim | Ампл. |      |      | Сумма |      |      |      |      |    |    |    |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|------|------|-------|------|------|------|------|----|----|----|
|                  | Дни  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |                   |              |            |             |                |       |      |      |       | 17   | 18   | 19   | 20   | 21 | 22 | 23 |
| Q 1              | 18.1 | 18.1 | 18.3 | 18.9 | 20.4 | 21.9 | 21.5 | 20.2 | 18.5 | 16.8 | 15.1 | 14.3 | 14.2 | 14.2 | 14.6 | 15.2 | 15.9 | 16.4              | 16.7         | 17.0       | 17.2        | 17.2           | 17.2  | 17.4 | 17.3 | 5.9   | 22.5 | 14.1 | 12.2 | 8.4  |    |    |    |
| 2                | 17.6 | 17.7 | 17.7 | 17.4 | 18.5 | 19.7 | 19.6 | 18.5 | 16.5 | 14.6 | 13.6 | 13.6 | 13.3 | 14.2 | 15.0 | 15.5 | 16.1 | 16.5              | 16.4         | 16.8       | 17.2        | 17.4           | 17.6  | 17.7 | 16.6 | 5.9   | 20.3 | 12.8 | 12.6 | 7.5  |    |    |    |
| 3                | 17.7 | 17.8 | 17.9 | 18.1 | 19.8 | 21.3 | 21.3 | 19.8 | 18.1 | 15.3 | 13.1 | 12.3 | 13.3 | 14.4 | 15.1 | 15.5 | 15.7 | 16.3              | 16.8         | 17.3       | 18.9        | 18.4           | 19.6  | 20.8 | 17.3 | 5.9   | 22.0 | 12.1 | 11.1 | 9.9  |    |    |    |
| D 4              | 19.4 | 18.4 | 18.6 | 19.3 | 18.6 | 20.3 | 21.1 | 20.1 | 18.0 | 17.2 | 16.5 | 15.9 | 15.7 | 16.1 | 17.2 | 17.9 | 22.8 | 22.8              | 22.6         | 21.5       | 21.9        | 20.6           | 20.0  | 19.4 | 19.2 | 16.7  | 24.3 | 15.3 | 12.3 | 9.0  |    |    |    |
| 5                | 19.6 | 18.7 | 19.1 | 20.7 | 22.8 | 25.1 | 24.3 | 21.9 | 19.6 | 17.2 | 15.3 | 15.5 | 16.4 | 17.4 | 20.2 | 19.1 | 19.6 | 21.1              | 21.9         | 21.9       | 20.7        | 19.1           | 19.5  | 19.4 | 19.8 | 5.6   | 25.6 | 14.4 | 11.0 | 11.2 |    |    |    |
| 6                | 18.9 | 18.3 | 17.9 | 18.9 | 20.9 | 21.9 | 21.9 | 20.7 | 18.7 | 15.3 | 12.9 | 13.8 | 14.8 | 15.7 | 16.8 | 18.1 | 17.9 | 18.9              | 18.7         | 19.4       | 19.1        | 18.9           | 19.4  | 20.4 | 18.3 | 6.0   | 22.5 | 11.6 | 11.0 | 10.9 |    |    |    |
| 7                | 20.7 | 19.7 | 18.9 | 18.4 | 20.0 | 22.1 | 23.0 | 21.3 | 18.3 | 15.5 | 14.0 | 13.5 | 15.1 | 16.1 | 15.9 | 16.8 | 16.8 | 16.8              | 17.7         | 18.7       | 18.5        | 18.3           | 18.7  | 19.1 | 18.1 | 6.5   | 23.7 | 13.0 | 11.6 | 10.7 |    |    |    |
| 8                | 18.9 | 18.5 | 18.5 | 18.7 | 20.4 | 22.1 | 21.9 | 20.2 | 17.0 | 14.2 | 12.1 | 11.6 | 12.9 | 14.4 | 15.0 | 15.1 | 16.1 | 17.0              | 17.4         | 18.1       | 20.2        | 20.2           | 20.2  | 19.9 | 17.5 | 5.5   | 22.6 | 11.2 | 11.1 | 11.4 |    |    |    |
| 9                | 19.7 | 17.6 | 18.1 | 19.3 | 20.7 | 22.1 | 22.8 | 21.9 | 17.9 | 15.3 | 13.3 | 13.8 | 15.3 | 16.2 | 15.8 | 16.5 | 18.1 | 18.3              | 19.1         | 19.7       | 18.9        | 18.5           | 18.1  | 18.5 | 18.1 | 6.7   | 23.3 | 12.2 | 10.1 | 11.1 |    |    |    |
| 10               | 18.3 | 18.9 | 18.3 | 18.5 | 20.0 | 21.7 | 22.4 | 20.7 | 18.3 | 15.3 | 13.1 | 12.5 | 12.9 | 15.1 | 14.2 | 14.4 | 16.6 | 17.0              | 17.9         | 19.1       | 22.1        | 24.1           | 23.0  | 24.1 | 18.3 | 21.8  | 25.1 | 11.9 | 11.9 | 13.2 |    |    |    |
| D 11             | 23.7 | 20.9 | 18.5 | 18.3 | 18.9 | 20.7 | 23.2 | 19.8 | 20.2 | 16.3 | 15.5 | 15.7 | 16.6 | 15.9 | 17.0 | 17.7 | 18.5 | 19.4              | 20.0         | 20.0       | 20.4        | 20.4           | 20.4  | 20.2 | 19.1 | 6.2   | 24.5 | 14.0 | 11.2 | 10.5 |    |    |    |
| 12               | 20.1 | 19.8 | 20.2 | 20.7 | 22.8 | 23.9 | 23.0 | 20.7 | 17.5 | 15.1 | 13.8 | 14.4 | 15.1 | 15.7 | 16.7 | 17.4 | 17.9 | 18.0              | 18.3         | 19.3       | 19.6        | 18.9           | 18.9  | 18.7 | 18.6 | 5.5   | 24.1 | 13.5 | 10.6 | 10.6 |    |    |    |
| 13               | 18.7 | 18.9 | 18.7 | 19.9 | 22.4 | 24.3 | 25.0 | 22.8 | 18.5 | 15.3 | 13.4 | 12.5 | 14.0 | 15.5 | 15.9 | 16.6 | 16.8 | 17.7              | 18.1         | 18.1       | 18.5        | 18.3           | 18.5  | 18.5 | 18.2 | 6.3   | 25.6 | 12.3 | 11.9 | 13.3 |    |    |    |
| 14               | 18.3 | 18.7 | 17.9 | 18.9 | 21.5 | 23.7 | 26.2 | 22.4 | 17.4 | 12.9 | 11.2 | 12.0 | 14.6 | 15.9 | 16.0 | 16.4 | 16.8 | 18.3              | 18.3         | 18.5       | 17.9        | 18.9           | 18.9  | 18.3 | 17.9 | 6.3   | 27.9 | 10.6 | 10.6 | 17.3 |    |    |    |
| 15               | 18.3 | 18.7 | 18.1 | 19.8 | 21.5 | 22.1 | 23.5 | 22.1 | 18.9 | 15.5 | 14.0 | 15.7 | 15.9 | 17.1 | 17.9 | 18.7 | 18.7 | 18.7              | 19.4         | 19.1       | 19.3        | 18.5           | 18.5  | 17.4 | 18.6 | 6.4   | 23.8 | 13.7 | 10.7 | 10.1 |    |    |    |
| 16               | 17.0 | 18.0 | 18.3 | 19.1 | 21.1 | 22.4 | 22.4 | 20.4 | 17.4 | 14.6 | 12.9 | 13.6 | 15.5 | 16.8 | 16.8 | 17.0 | 17.2 | 17.4              | 17.9         | 17.9       | 18.1        | 18.3           | 18.3  | 18.3 | 17.8 | 6.0   | 22.8 | 12.7 | 10.7 | 10.1 |    |    |    |
| Q 17             | 18.1 | 18.0 | 18.1 | 18.9 | 21.1 | 23.2 | 23.4 | 21.5 | 18.7 | 15.5 | 14.2 | 14.2 | 15.9 | 16.6 | 16.6 | 16.7 | 17.2 | 17.2              | 17.9         | 17.9       | 18.1        | 18.3           | 18.3  | 18.5 | 18.1 | 6.0   | 23.8 | 13.7 | 11.2 | 10.1 |    |    |    |
| 18               | 17.9 | 15.7 | 15.9 | 17.7 | 19.1 | 21.0 | 21.7 | 19.9 | 17.4 | 14.6 | 11.6 | 14.4 | 14.6 | 15.3 | 15.7 | 16.1 | 16.8 | 18.3              | 20.4         | 24.3       | 21.3        | 19.6           | 18.8  | 18.7 | 17.8 | 19.6  | 25.7 | 11.2 | 10.4 | 14.5 |    |    |    |
| 19               | 18.7 | 18.7 | 18.9 | 19.4 | 21.2 | 22.8 | 23.0 | 21.5 | 19.6 | 17.2 | 15.3 | 15.3 | 16.4 | 17.0 | 16.8 | 17.2 | 17.7 | 18.7              | 20.9         | 21.0       | 21.1        | 20.6           | 21.1  | 19.5 | 19.2 | 6.5   | 23.2 | 14.4 | 11.4 | 8.8  |    |    |    |
| Q 20             | 18.9 | 18.5 | 18.7 | 19.8 | 21.5 | 22.8 | 23.4 | 22.1 | 19.8 | 17.4 | 15.5 | 15.5 | 16.1 | 16.5 | 16.8 | 17.7 | 17.0 | 18.3              | 18.5         | 18.9       | 19.1        | 19.1           | 18.7  | 18.5 | 18.6 | 6.3   | 23.6 | 15.3 | 10.8 | 8.3  |    |    |    |
| 21               | 17.9 | 17.4 | 18.1 | 18.7 | 20.7 | 22.4 | 22.6 | 20.9 | 18.5 | 16.1 | 15.5 | 15.3 | 16.1 | 16.6 | 17.2 | 17.9 | 17.9 | 17.9              | 18.5         | 19.4       | 19.8        | 19.1           | 19.3  | 18.3 | 18.4 | 6.3   | 22.9 | 15.0 | 11.6 | 7.9  |    |    |    |
| 22               | 17.9 | 17.9 | 17.7 | 16.9 | 18.5 | 20.0 | 21.5 | 20.9 | 19.1 | 17.2 | 16.4 | 15.5 | 15.5 | 15.1 | 15.1 | 16.6 | 16.9 | 17.6              | 19.8         | 25.6       | 24.1        | 22.1           | 21.3  | 21.1 | 18.8 | 19.5  | 26.3 | 14.4 | 14.1 | 11.9 |    |    |    |
| D 23             | 20.2 | 20.1 | 19.6 | 19.8 | 21.1 | 21.3 | 19.8 | 19.6 | 16.1 | 17.2 | 15.9 | 16.8 | 20.7 | 16.8 | 20.4 | 23.4 | 23.3 | 23.4              | 25.6         | 22.0       | 21.7        | 21.9           | 21.0  | 20.4 | 20.3 | 18.1  | 31.1 | 14.5 | 8.9  | 16.6 |    |    |    |
| 24               | 20.7 | 20.4 | 20.4 | 20.2 | 21.1 | 22.1 | 21.5 | 19.4 | 17.9 | 16.6 | 15.9 | 17.2 | 18.3 | 17.1 | 17.2 | 17.6 | 17.5 | 18.1              | 18.5         | 18.9       | 19.6        | 19.1           | 20.0  | 20.7 | 19.0 | 5.9   | 23.0 | 15.3 | 10.6 | 7.7  |    |    |    |
| D 25             | 19.4 | 19.8 | 19.4 | 19.6 | 21.7 | 23.2 | 22.1 | 20.2 | 16.6 | 14.0 | 12.7 | 15.5 | 16.6 | 17.2 | 18.1 | 18.5 | 18.7 | 18.3              | 19.8         | 20.6       | 20.4        | 19.6           | 19.7  | 22.6 | 18.9 | 5.7   | 23.9 | 8.9  | 9.9  | 15.0 |    |    |    |
| 26               | 21.0 | 19.1 | 19.6 | 20.0 | 21.3 | 23.0 | 24.0 | 21.9 | 18.5 | 15.9 | 15.3 | 16.3 | 16.8 | 17.6 | 17.4 | 17.7 | 17.9 | 18.1              | 18.5         | 18.9       | 19.3        | 19.1           | 19.0  | 19.1 | 19.0 | 6.4   | 24.6 | 14.4 | 10.4 | 10.2 |    |    |    |
| 27               | 19.0 | 18.9 | 19.0 | 19.4 | 21.5 | 23.4 | 23.9 | 22.1 | 18.7 | 15.6 | 14.2 | 14.7 | 16.3 | 17.4 | 17.7 | 17.6 | 17.7 | 17.8              | 18.2         | 18.5       | 18.3        | 18.5           | 18.5  | 18.5 | 18.6 | 6.4   | 24.2 | 13.9 | 10.6 | 10.3 |    |    |    |
| Q 28             | 18.5 | 18.3 | 18.2 | 18.3 | 20.4 | 22.8 | 23.7 | 22.4 | 19.4 | 15.3 | 13.4 | 13.6 | 14.9 | 16.1 | 16.8 | 17.0 | 17.2 | 17.4              | 17.7         | 17.9       | 18.0        | 18.1           | 18.3  | 18.1 | 18.0 | 6.7   | 23.9 | 13.0 | 10.7 | 10.9 |    |    |    |
| Q 29             | 17.9 | 17.6 | 17.6 | 18.1 | 20.2 | 22.8 | 23.0 | 21.5 | 18.5 | 15.3 | 14.0 | 14.5 | 15.5 | 16.4 | 16.6 | 16.9 | 17.1 | 17.0              | 17.9         | 18.7       | 18.5        | 18.7           | 18.9  | 18.9 | 18.0 | 5.8   | 23.3 | 13.9 | 10.6 | 9.4  |    |    |    |
| 30               | 18.9 | 19.0 | 18.7 | 18.5 | 20.1 | 22.3 | 23.0 | 21.7 | 19.1 | 16.7 | 14.4 | 14.2 | 15.0 | 16.5 | 17.3 | 16.7 | 16.4 | 17.2              | 17.4         | 18.0       | 17.9        | 18.3           | 18.9  | 18.6 | 18.1 | 6.4   | 23.2 | 13.9 | 10.9 | 9.3  |    |    |    |
| D 31             | 18.0 | 17.0 | 17.0 | 16.8 | 18.3 | 20.4 | 21.7 | 21.1 | 18.3 | 15.9 | 14.2 | 13.8 | 14.4 | 15.9 | 18.9 | 19.6 | 22.4 | 23.0              | 24.1         |            |             |                |       |      |      |       |      |      |      |      |    |    |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы $\Delta$  иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )Обработал Белситашвили Я.А. Проверил Эбрешидзе М.А.



Обсерватория Душети (Абхазия)

Среднемесячн. H = 24146<sup>h</sup>

Элемент Горизонтальная составляющая

Месяц Октябрь год 1980

H = 24110<sup>h</sup> + = ° =

| Время<br>жировое           |  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Maxi<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |     | Сумма |      |     |  |  |  |
|----------------------------|--|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------------|-------------|-------------|----------------|-------|------|-----|-------|------|-----|--|--|--|
| Дни                        |  | 1  | 2  | 3  | 4  | 5  | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20                | 21           | 22          | 23          | 24             |       |      |     |       |      |     |  |  |  |
| Q 1                        |  | 62 | 61 | 62 | 62 | 58 | 52  | 44  | 48  | 58  | 62  | 66  | 64  | 60  | 63  | 61  | 64  | 65  | 64  | 64  | 66                | 70           | 72          | 73          | 72             | 62    | 22.6 | 77  | 43    | 6.9  | 34  |  |  |  |
| 2                          |  | 73 | 74 | 79 | 85 | 78 | 66  | 66  | 65  | 73  | 85  | 86  | 80  | 90  | 74  | 70  | 67  | 64  | 65  | 64  | 68                | 68           | 68          | 68          | 67             | 73    | 12.5 | 97  | 55    | 7.1  | 42  |  |  |  |
| 3                          |  | 66 | 66 | 68 | 68 | 64 | 56  | 54  | 59  | 60  | 64  | 71  | 72  | 68  | 64  | 60  | 61  | 66  | 62  | 66  | 65                | 67           | 63          | 72          | 55             | 64    | 11.3 | 73  | 52    | 6.6  | 21  |  |  |  |
| D 4                        |  | 55 | 63 | 71 | 57 | 57 | 47  | 36  | 25  | 31  | 32  | 35  | 26  | 14  | -5  | -23 | -50 | -50 | -11 | -2  | -2                | 26           | 20          | 28          | 22             | 21    | 2.8  | 76  | -71   | 15.7 | 147 |  |  |  |
| 5                          |  | 31 | 38 | 42 | 40 | 16 | -5  | -10 | -11 | -22 | -23 | -16 | -10 | -4  | 1   | -2  | 4   | 9   | 4   | 24  | 22                | 20           | 31          | 49          | 35             | 11    | 22.3 | 55  | -30   | 9.8  | 85  |  |  |  |
| 6                          |  | 34 | 37 | 42 | 43 | 42 | 38  | 22  | 13  | 8   | 31  | 46  | 31  | 32  | 34  | 36  | 34  | 28  | 37  | 40  | 34                | 32           | 36          | 38          | 40             | 34    | 10.6 | 52  | -2    | 8.6  | 54  |  |  |  |
| 7                          |  | 32 | 34 | 49 | 58 | 44 | 32  | 32  | 30  | 32  | 42  | 56  | 57  | 53  | 48  | 55  | 49  | 50  | 50  | 61  | 62                | 61           | 59          | 59          | 58             | 48    | 20.2 | 68  | 16    | 7.9  | 52  |  |  |  |
| 8                          |  | 54 | 52 | 53 | 62 | 58 | 60  | 58  | 42  | 34  | 31  | 46  | 54  | 56  | 55  | 54  | 49  | 55  | 50  | 54  | 55                | 68           | 48          | 43          | 43             | 51    | 20.7 | 76  | 24    | 9.3  | 52  |  |  |  |
| 9                          |  | 46 | 58 | 54 | 56 | 51 | 44  | 36  | 28  | 43  | 55  | 43  | 47  | 51  | 48  | 45  | 45  | 44  | 54  | 50  | 58                | 52           | 49          | 55          | 50             | 48    | 18.1 | 64  | 24    | 7.6  | 40  |  |  |  |
| 10                         |  | 52 | 49 | 52 | 56 | 56 | 49  | 32  | 20  | 26  | 42  | 48  | 47  | 40  | 40  | 42  | 44  | 44  | 42  | 32  | 31                | 25           | 24          | 25          | 13             | 39    | 3.9  | 62  | 4     | 23.5 | 58  |  |  |  |
| D 11                       |  | 19 | 31 | 42 | 41 | 46 | -10 | -32 | -33 | -38 | -29 | -36 | -53 | -53 | -26 | -17 | -6  | 1   | 8   | 12  | 12                | 14           | 12          | 12          | 17             | -3    | 4.3  | 61  | -70   | 12.4 | 131 |  |  |  |
| 12                         |  | 13 | 18 | 19 | 23 | 21 | 17  | 10  | 6   | 7   | 12  | 20  | 23  | 24  | 20  | 25  | 28  | 24  | 30  | 32  | 31                | 32           | 34          | 36          | 34             | 22    | 22.3 | 42  | 2     | 7.3  | 40  |  |  |  |
| 13                         |  | 37 | 36 | 35 | 38 | 30 | 15  | 6   | 7   | 10  | 11  | 22  | 30  | 28  | 35  | 37  | 43  | 44  | 41  | 43  | 46                | 46           | 49          | 48          | 48             | 33    | 21.9 | 51  | 2     | 6.4  | 49  |  |  |  |
| 14                         |  | 47 | 47 | 49 | 50 | 37 | 26  | 13  | 10  | 16  | 27  | 37  | 43  | 49  | 50  | 50  | 52  | 51  | 38  | 38  | 56                | 78           | 60          | 49          | 52             | 43    | 20.0 | 103 | 8     | 7.5  | 95  |  |  |  |
| 15                         |  | 60 | 62 | 51 | 52 | 43 | 43  | 30  | 12  | 10  | 8   | 15  | 24  | 12  | 13  | 20  | 28  | 31  | 31  | 31  | 33                | 40           | 43          | 38          | 42             | 32    | 1.3  | 68  | -3    | 7.8  | 71  |  |  |  |
| 16                         |  | 40 | 43 | 46 | 46 | 42 | 36  | 28  | 22  | 20  | 30  | 39  | 46  | 48  | 48  | 48  | 48  | 44  | 46  | 48  | 49                | 50           | 50          | 52          | 52             | 43    | 22.9 | 55  | 16    | 8.1  | 39  |  |  |  |
| Q 17                       |  | 51 | 52 | 51 | 50 | 48 | 40  | 33  | 30  | 30  | 36  | 40  | 46  | 42  | 42  | 48  | 49  | 49  | 49  | 49  | 54                | 54           | 55          | 58          | 51             | 46    | 22.0 | 64  | 28    | 8.3  | 36  |  |  |  |
| 18                         |  | 53 | 86 | 90 | 84 | 74 | 64  | 54  | 45  | 42  | 56  | 54  | 37  | 43  | 47  | 42  | 44  | 43  | 16  | 2   | 4                 | 12           | 22          | 26          | 31             | 45    | 2.8  | 97  | -13   | 19.2 | 110 |  |  |  |
| 19                         |  | 30 | 31 | 37 | 44 | 43 | 33  | 29  | 25  | 18  | 19  | 26  | 22  | 10  | 16  | 32  | 30  | 16  | 8   | 34  | 24                | 34           | 40          | 32          | 32             | 28    | 20.8 | 66  | 5     | 17.5 | 61  |  |  |  |
| Q 20                       |  | 36 | 32 | 34 | 39 | 39 | 34  | 30  | 26  | 23  | 28  | 30  | 27  | 32  | 32  | 30  | 26  | 29  | 32  | 34  | 39                | 36           | 42          | 42          | 43             | 33    | 23.4 | 44  | 22    | 8.9  | 22  |  |  |  |
| 21                         |  | 47 | 54 | 56 | 58 | 54 | 43  | 38  | 37  | 37  | 37  | 40  | 40  | 36  | 30  | 29  | 30  | 40  | 38  | 37  | 36                | 37           | 44          | 48          | 50             | 42    | 3.1  | 60  | 26    | 14.2 | 34  |  |  |  |
| 22                         |  | 55 | 55 | 59 | 64 | 68 | 52  | 34  | 25  | 18  | 22  | 30  | 19  | 26  | 39  | 25  | 31  | 47  | 43  | 42  | 31                | 14           | 36          | 48          | 28             | 38    | 4.5  | 71  | 4     | 19.8 | 67  |  |  |  |
| D 23                       |  | 2  | 13 | 17 | 19 | 20 | 14  | -6  | -26 | -22 | -29 | -27 | -41 | -54 | -40 | -72 | -50 | -40 | -32 | -11 | -2                | 7            | 18          | 17          | 10             | -13   | 21.7 | 27  | -93   | 14.8 | 120 |  |  |  |
| 24                         |  | 11 | 10 | 10 | 14 | 15 | 11  | 4   | 2   | 2   | 14  | 19  | 17  | 20  | 12  | 10  | 21  | 26  | 31  | 28  | 30                | 46           | 43          | 32          | 37             | 19    | 20.9 | 53  | -2    | 8.0  | 55  |  |  |  |
| D 25                       |  | 42 | 31 | 32 | 32 | 26 | 18  | 12  | -1  | 1   | 17  | 19  | 20  | 32  | 22  | 20  | 13  | 8   | 31  | 34  | 26                | 35           | 60          | 64          | 36             | 26    | 22.0 | 80  | -8    | 7.6  | 88  |  |  |  |
| 26                         |  | 20 | 26 | 24 | 20 | 19 | 22  | 13  | 12  | -2  | 0   | 8   | 24  | 21  | 22  | 28  | 31  | 31  | 34  | 36  | 34                | 36           | 35          | 34          | 34             | 23    | 20.4 | 40  | -9    | 8.9  | 49  |  |  |  |
| 27                         |  | 34 | 36 | 36 | 37 | 34 | 24  | 13  | 5   | 5   | 13  | 23  | 30  | 35  | 37  | 38  | 40  | 40  | 42  | 42  | 44                | 52           | 48          | 47          | 47             | 33    | 20.3 | 54  | 1     | 8.3  | 53  |  |  |  |
| Q 28                       |  | 47 | 48 | 49 | 52 | 50 | 37  | 25  | 18  | 20  | 30  | 37  | 40  | 42  | 47  | 49  | 50  | 49  | 49  | 51  | 53                | 53           | 50          | 50          | 53             | 44    | 21.2 | 56  | 16    | 7.6  | 40  |  |  |  |
| Q 29                       |  | 52 | 54 | 58 | 57 | 52 | 43  | 36  | 33  | 33  | 44  | 52  | 53  | 50  | 49  | 50  | 50  | 51  | 56  | 49  | 47                | 45           | 47          | 46          | 46             | 48    | 24   | 60  | 30    | 8.3  | 30  |  |  |  |
| 30                         |  | 47 | 50 | 54 | 61 | 49 | 41  | 32  | 15  | 8   | 12  | 22  | 25  | 31  | 36  | 40  | 54  | 53  | 58  | 62  | 61                | 66           | 73          | 58          | 50             | 44    | 21.4 | 80  | 6     | 8.8  | 74  |  |  |  |
| D 31                       |  | 53 | 64 | 66 | 62 | 61 | 61  | 49  | 31  | 24  | 31  | 55  | 50  | 24  | -24 | -18 | -28 | -51 | -10 | -4  | 7                 | 16           | 19          | 40          | 24             | 25    | 2.2  | 71  | -59   | 16.4 | 130 |  |  |  |
| Среднее по<br>всем дням    |  | 42 | 46 | 48 | 49 | 45 | 36  | 26  | 20  | 20  | 26  | 32  | 32  | 31  | 30  | 29  | 31  | 31  | 34  | 37  | 38                | 42           | 44          | 45          | 41             | 36    |      | 65  | 1     |      | 64  |  |  |  |
| Среднее по<br>сп. дням     |  | 50 | 49 | 51 | 52 | 49 | 41  | 34  | 31  | 33  | 40  | 45  | 46  | 45  | 47  | 48  | 48  | 49  | 50  | 49  | 52                | 52           | 53          | 54          | 53             | 47    |      | 60  | 28    |      | 32  |  |  |  |
| Среднее по<br>возмущ. дням |  | 34 | 40 | 46 | 42 | 42 | 26  | 12  | -1  | -1  | 4   | 9   | 0   | -7  | -15 | -22 | -24 | -26 | -3  | 6   | 8                 | 20           | 26          | 32          | 22             | 11    |      | 63  | -60   |      | 123 |  |  |  |
| Сумма по<br>всем дням      |  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |      |     |       |      |     |  |  |  |
| Сумма по<br>сп. дням       |  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |      |     |       |      |     |  |  |  |
| Сумма по<br>возмущ. дням   |  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |      |     |       |      |     |  |  |  |

Условные обозначения: Δ — погасла лампа; >или< — запись вышла за бумагу; □ — остановились часы  
Δ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Эбремидзе М. А. Проверил Вержезуни Н. С. Ж.

Обсерватория Душети (Абхазия)

Среднемесячн.  $\bar{I} = 42,115^\circ$ 

Элемент Вертикальная составляющая

Месяц Октябрь год 1980

 $\bar{I} = 42,020^\circ + =$ 

| Время<br>коровое           |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>minim | Ампл. |  |  | Сумма |    |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|--|--|-------|----|
|                            | Дни | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8  | 9  | 10 | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  |                   |              |            |             |                |       |  |  |       | 24 |
| Q 1                        | 91  | 91  | 90  | 92  | 93  | 93  | 85  | 80  | 75 | 72 | 73 | 76  | 81  | 84  | 87  | 88  | 88  | 89  | 89  | 89  | 89  | 89  | 89  | 89  | 86                | 5.2          | 95         | 72          | 9.7            | 23    |  |  |       |    |
| 2                          | 88  | 88  | 87  | 87  | 90  | 94  | 88  | 78  | 75 | 74 | 72 | 75  | 80  | 81  | 85  | 87  | 88  | 88  | 88  | 89  | 89  | 89  | 88  | 89  | 85                | 5.5          | 95         | 71          | 10.6           | 24    |  |  |       |    |
| 3                          | 89  | 89  | 88  | 91  | 96  | 99  | 92  | 82  | 73 | 68 | 66 | 71  | 77  | 81  | 83  | 86  | 86  | 87  | 87  | 87  | 87  | 89  | 86  | 87  | 84                | 5.5          | 101        | 64          | 10.0           | 37    |  |  |       |    |
| D 4                        | 87  | 86  | 85  | 93  | 95  | 97  | 93  | 91  | 81 | 77 | 77 | 84  | 94  | 101 | 109 | 118 | 118 | 111 | 109 | 108 | 104 | 104 | 102 | 100 | 97                | 16.6         | 121        | 75          | 9.9            | 46    |  |  |       |    |
| 5                          | 98  | 98  | 98  | 104 | 109 | 106 | 101 | 91  | 83 | 81 | 85 | 90  | 98  | 103 | 107 | 107 | 107 | 108 | 105 | 104 | 103 | 102 | 98  | 99  | 99                | 4.3          | 110        | 79          | 9.4            | 31    |  |  |       |    |
| 6                          | 99  | 99  | 99  | 102 | 104 | 105 | 99  | 87  | 81 | 77 | 77 | 80  | 86  | 93  | 97  | 99  | 100 | 98  | 99  | 100 | 100 | 99  | 99  | 98  | 95                | 5.6          | 106        | 76          | 10.0           | 30    |  |  |       |    |
| 7                          | 99  | 98  | 96  | 97  | 101 | 100 | 89  | 76  | 65 | 60 | 64 | 72  | 82  | 91  | 93  | 95  | 95  | 96  | 96  | 96  | 95  | 95  | 95  | 95  | 89                | 4.7          | 102        | 59          | 9.3            | 43    |  |  |       |    |
| 8                          | 95  | 95  | 95  | 97  | 99  | 95  | 83  | 70  | 65 | 60 | 60 | 70  | 83  | 91  | 92  | 94  | 95  | 96  | 96  | 97  | 94  | 97  | 98  | 98  | 88                | 4.7          | 100        | 58          | 9.8            | 42    |  |  |       |    |
| 9                          | 97  | 96  | 96  | 99  | 103 | 102 | 94  | 84  | 78 | 74 | 78 | 84  | 90  | 90  | 90  | 96  | 98  | 97  | 98  | 97  | 97  | 97  | 97  | 97  | 93                | 4.3          | 103        | 72          | 9.5            | 31    |  |  |       |    |
| 10                         | 96  | 96  | 96  | 98  | 99  | 100 | 98  | 89  | 82 | 74 | 73 | 79  | 88  | 92  | 95  | 97  | 99  | 101 | 103 | 105 | 106 | 108 | 105 | 105 | 95                | 21.7         | 109        | 72          | 10.3           | 37    |  |  |       |    |
| D 11                       | 102 | 101 | 98  | 101 | 101 | 107 | 107 | 101 | 93 | 87 | 83 | 92  | 106 | 105 | 108 | 111 | 110 | 110 | 109 | 109 | 109 | 109 | 108 | 107 | 103               | 15.5         | 111        | 82          | 10.5           | 29    |  |  |       |    |
| 12                         | 107 | 106 | 106 | 109 | 113 | 113 | 107 | 98  | 91 | 86 | 82 | 88  | 94  | 99  | 102 | 103 | 104 | 105 | 105 | 105 | 105 | 104 | 103 | 103 | 102               | 4.7          | 115        | 81          | 10.5           | 34    |  |  |       |    |
| 13                         | 103 | 102 | 103 | 107 | 110 | 109 | 99  | 87  | 80 | 77 | 78 | 87  | 93  | 97  | 97  | 97  | 98  | 99  | 99  | 99  | 99  | 98  | 98  | 98  | 96                | 4.3          | 111        | 75          | 9.9            | 36    |  |  |       |    |
| 14                         | 98  | 98  | 99  | 104 | 110 | 111 | 103 | 87  | 79 | 80 | 83 | 91  | 97  | 97  | 95  | 96  | 97  | 101 | 101 | 99  | 96  | 98  | 99  | 99  | 97                | 5.4          | 112        | 78          | 8.6            | 34    |  |  |       |    |
| 15                         | 97  | 96  | 96  | 99  | 103 | 104 | 99  | 88  | 79 | 76 | 77 | 85  | 95  | 100 | 99  | 100 | 101 | 101 | 101 | 101 | 100 | 99  | 99  | 98  | 96                | 5.9          | 105        | 75          | 10.0           | 30    |  |  |       |    |
| 16                         | 98  | 98  | 98  | 102 | 107 | 106 | 98  | 85  | 78 | 77 | 79 | 85  | 91  | 94  | 94  | 95  | 94  | 97  | 95  | 97  | 96  | 97  | 96  | 96  | 94                | 4.7          | 108        | 77          | 9.9            | 31    |  |  |       |    |
| Q 17                       | 96  | 96  | 96  | 99  | 104 | 103 | 94  | 84  | 80 | 79 | 83 | 88  | 93  | 93  | 93  | 95  | 95  | 96  | 97  | 95  | 95  | 95  | 94  | 95  | 93                | 4.6          | 105        | 78          | 9.2            | 27    |  |  |       |    |
| 18                         | 95  | 89  | 87  | 91  | 76  | 94  | 82  | 73  | 66 | 62 | 69 | 78  | 84  | 87  | 90  | 93  | 95  | 100 | 103 | 103 | 101 | 100 | 99  | 99  | 88                | 19.1         | 110        | 60          | 9.4            | 50    |  |  |       |    |
| 19                         | 99  | 98  | 98  | 100 | 103 | 103 | 97  | 85  | 80 | 77 | 77 | 87  | 94  | 97  | 97  | 98  | 101 | 103 | 100 | 101 | 100 | 97  | 97  | 98  | 95                | 17.4         | 104        | 75          | 10.2           | 29    |  |  |       |    |
| Q 20                       | 97  | 98  | 97  | 100 | 109 | 101 | 93  | 80  | 74 | 70 | 77 | 81  | 87  | 91  | 95  | 97  | 98  | 98  | 98  | 98  | 97  | 97  | 97  | 97  | 93                | 4.4          | 102        | 70          | 9.5            | 32    |  |  |       |    |
| 21                         | 97  | 96  | 95  | 98  | 103 | 103 | 95  | 83  | 75 | 73 | 76 | 85  | 88  | 90  | 94  | 97  | 96  | 97  | 97  | 98  | 98  | 97  | 96  | 96  | 93                | 4.6          | 104        | 73          | 9.7            | 31    |  |  |       |    |
| 22                         | 95  | 95  | 94  | 96  | 101 | 102 | 96  | 87  | 83 | 84 | 85 | 86  | 88  | 90  | 95  | 97  | 97  | 97  | 98  | 100 | 102 | 101 | 97  | 97  | 94                | 19.9         | 104        | 82          | 8.6            | 22    |  |  |       |    |
| D 23                       | 99  | 99  | 100 | 102 | 105 | 105 | 104 | 102 | 97 | 97 | 98 | 106 | 114 | 112 | 123 | 120 | 119 | 118 | 114 | 113 | 111 | 109 | 108 | 107 | 108               | 14.7         | 127        | 95          | 9.8            | 32    |  |  |       |    |
| 24                         | 106 | 105 | 105 | 107 | 109 | 107 | 99  | 94  | 94 | 92 | 96 | 100 | 102 | 102 | 104 | 105 | 103 | 104 | 104 | 104 | 102 | 101 | 101 | 101 | 102               | 4.6          | 110        | 91          | 9.7            | 19    |  |  |       |    |
| D 25                       | 99  | 99  | 99  | 106 | 111 | 110 | 99  | 87  | 81 | 83 | 87 | 95  | 97  | 98  | 101 | 105 | 108 | 106 | 105 | 104 | 102 | 98  | 95  | 96  | 99                | 4.9          | 112        | 80          | 8.2            | 32    |  |  |       |    |
| 26                         | 98  | 97  | 98  | 103 | 107 | 105 | 104 | 99  | 95 | 92 | 95 | 97  | 97  | 98  | 99  | 100 | 101 | 101 | 101 | 101 | 101 | 101 | 100 | 101 | 100               | 4.9          | 108        | 91          | 9.5            | 17    |  |  |       |    |
| 27                         | 101 | 100 | 100 | 103 | 107 | 108 | 103 | 94  | 87 | 83 | 85 | 93  | 98  | 99  | 98  | 98  | 99  | 99  | 100 | 99  | 98  | 98  | 98  | 98  | 98                | 5.8          | 108        | 82          | 9.9            | 26    |  |  |       |    |
| Q 28                       | 98  | 97  | 97  | 101 | 108 | 109 | 101 | 87  | 75 | 72 | 80 | 90  | 95  | 98  | 96  | 96  | 96  | 96  | 96  | 96  | 97  | 96  | 95  | 94  | 5.3               | 110          | 70         | 9.4         | 40             |       |  |  |       |    |
| Q 29                       | 95  | 95  | 95  | 97  | 103 | 102 | 91  | 79  | 71 | 68 | 77 | 87  | 92  | 92  | 92  | 93  | 94  | 95  | 97  | 98  | 98  | 97  | 97  | 96  | 92                | 4.9          | 105        | 67          | 9.3            | 38    |  |  |       |    |
| 30                         | 96  | 95  | 94  | 96  | 104 | 105 | 100 | 95  | 86 | 80 | 83 | 88  | 94  | 96  | 96  | 95  | 96  | 97  | 96  | 96  | 96  | 95  | 96  | 97  | 95                | 5.1          | 107        | 80          | 9.2            | 27    |  |  |       |    |
| D 31                       | 96  | 94  | 92  | 93  | 100 | 103 | 102 | 96  | 87 | 79 | 82 | 88  | 96  | 105 | 108 | 113 | 119 | 114 | 112 | 109 | 107 | 104 | 99  | 100 | 100               | 16.4         | 119        | 78          | 9.5            | 41    |  |  |       |    |
| Среднее по<br>всем дням    | 97  | 96  | 96  | 99  | 102 | 103 | 97  | 87  | 80 | 77 | 79 | 86  | 92  | 95  | 97  | 99  | 100 | 100 | 100 | 100 | 99  | 99  | 98  | 98  | 95                |              | 108        | 75          |                | 32    |  |  |       |    |
| Среднее по<br>сп. дням     | 95  | 95  | 95  | 98  | 102 | 102 | 93  | 82  | 75 | 72 | 78 | 84  | 90  | 92  | 93  | 94  | 94  | 95  | 95  | 95  | 95  | 95  | 95  | 94  | 92                |              | 103        | 71          |                | 32    |  |  |       |    |
| Среднее по<br>возмущ. дням | 97  | 96  | 95  | 99  | 102 | 104 | 101 | 95  | 88 | 85 | 85 | 93  | 101 | 104 | 110 | 113 | 115 | 112 | 110 | 109 | 107 | 105 | 102 | 102 | 101               |              | 118        | 82          |                | 36    |  |  |       |    |
| Сумма по<br>всем дням      |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |  |  |       |    |
| Сумма по<br>сп. дням       |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |  |  |       |    |
| Сумма по<br>возмущ. дням   |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |            |             |                |       |  |  |       |    |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Верзеевич П.С.Ж.

Проверил Бекситашвили Т.Ш.

Обсерватория Душети (ГБШШШ)Среднемесячн.  $\delta = 5^{\circ}01'4$ Элемент СклонениеМесяц Ноябрь год 1980 $\delta = 4^{\circ}43'0$  + =

| Время<br>мировое        |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Maxi<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |  | Сумма |
|-------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|-------------|-------------|----------------|-------|------|--|-------|
| Дни                     |   | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24                |              |             |             |                |       |      |  |       |
| 1                       |   | 19.1 | 18.5 | 18.1 | 18.3 | 19.4 | 20.9 | 21.9 | 21.9 | 19.1 | 17.2 | 15.7 | 15.0 | 15.9 | 18.5 | 17.2 | 19.6 | 20.7 | 20.0 | 19.1 | 19.4 | 19.1 | 18.9 | 18.7 | 18.5              | 18.8         | 7.2         | 22.6        | 14.3           | 11.4  | 8.3  |  |       |
| 2                       |   | 18.5 | 18.9 | 18.9 | 19.5 | 20.7 | 22.8 | 23.6 | 21.9 | 18.9 | 15.3 | 14.0 | 14.6 | 15.9 | 15.9 | 17.0 | 17.0 | 18.9 | 18.5 | 20.0 | 20.9 | 19.8 | 18.9 | 18.7 | 18.3              | 18.6         | 6.0         | 23.7        | 13.6           | 10.9  | 10.1 |  |       |
| 3                       | Q | 18.1 | 18.1 | 18.3 | 18.5 | 20.0 | 22.0 | 22.3 | 21.1 | 17.6 | 14.8 | 14.2 | 15.7 | 16.4 | 17.2 | 17.6 | 17.9 | 18.5 | 19.3 | 19.1 | 18.9 | 18.7 | 18.5 | 18.3 | 17.9              | 18.3         | 6.0         | 22.6        | 14.0           | 10.2  | 8.6  |  |       |
| 4                       |   | 17.8 | 17.8 | 17.7 | 17.9 | 19.3 | 20.9 | 21.1 | 19.6 | 16.4 | 14.4 | 14.2 | 14.4 | 14.9 | 15.5 | 16.3 | 17.2 | 17.9 | 18.1 | 21.5 | 21.0 | 19.9 | 19.4 | 19.3 | 18.9              | 18.0         | 18.6        | 22.3        | 13.6           | 10.4  | 8.7  |  |       |
| 5                       | Q | 18.5 | 18.1 | 17.9 | 18.3 | 20.2 | 22.6 | 23.2 | 22.4 | 19.1 | 16.6 | 15.1 | 14.7 | 15.1 | 16.1 | 16.8 | 17.0 | 17.2 | 17.5 | 17.9 | 18.1 | 18.3 | 18.3 | 18.3 | 17.7              | 18.1         | 6.9         | 23.4        | 14.4           | 11.5  | 9.0  |  |       |
| 6                       |   | 17.2 | 17.0 | 17.0 | 16.7 | 17.7 | 20.4 | 21.9 | 21.5 | 18.3 | 14.9 | 12.9 | 14.0 | 14.4 | 15.5 | 15.9 | 16.5 | 16.8 | 17.2 | 18.1 | 18.4 | 18.9 | 19.6 | 19.0 | 19.8              | 17.5         | 6.9         | 22.2        | 12.7           | 10.7  | 9.5  |  |       |
| 7                       | Q | 19.1 | 17.9 | 18.5 | 18.7 | 19.6 | 21.7 | 22.1 | 21.5 | 19.6 | 16.3 | 14.3 | 14.3 | 15.7 | 16.5 | 16.6 | 16.6 | 16.8 | 17.4 | 17.7 | 17.9 | 18.3 | 18.5 | 18.7 | 18.5              | 18.0         | 6.9         | 22.5        | 13.9           | 11.2  | 8.6  |  |       |
| 8                       | Q | 18.7 | 18.2 | 18.1 | 17.8 | 18.6 | 20.4 | 21.5 | 21.3 | 18.7 | 15.1 | 14.0 | 14.6 | 16.0 | 16.6 | 16.6 | 16.8 | 17.1 | 17.4 | 19.0 | 18.9 | 18.1 | 17.9 | 17.9 | 17.9              | 17.8         | 6.9         | 21.7        | 13.5           | 10.0  | 8.2  |  |       |
| 9                       |   | 17.6 | 17.7 | 17.9 | 18.1 | 19.1 | 20.9 | 21.7 | 20.4 | 17.7 | 14.4 | 13.7 | 14.2 | 14.4 | 16.1 | 15.7 | 16.1 | 16.6 | 16.9 | 17.7 | 18.1 | 19.1 | 19.3 | 19.8 | 19.6              | 17.6         | 6.3         | 22.1        | 13.3           | 10.2  | 8.8  |  |       |
| 10                      |   | 19.4 | 20.0 | 18.9 | 19.6 | 19.8 | 20.2 | 19.8 | 18.7 | 16.6 | 14.4 | 14.9 | 13.7 | 15.3 | 15.1 | 16.1 | 17.4 | 17.4 | 18.1 | 18.5 | 18.7 | 18.7 | 19.3 | 19.8 | 19.8              | 17.9         | 3.1         | 20.7        | 12.5           | 11.7  | 8.2  |  |       |
| 11                      | D | 18.9 | 20.0 | 18.9 | 18.3 | 18.3 | 19.4 | 18.9 | 17.7 | 16.1 | 15.5 | 14.1 | 14.0 | 15.7 | 16.6 | 16.8 | 16.6 | 17.4 | 17.3 | 21.9 | 23.2 | 20.9 | 21.5 | 21.3 | 20.4              | 18.3         | 19.0        | 24.9        | 12.7           | 11.4  | 12.2 |  |       |
| 12                      |   | 21.0 | 20.0 | 18.6 | 18.7 | 18.9 | 20.2 | 20.9 | 21.0 | 19.0 | 17.9 | 15.5 | 16.1 | 16.7 | 17.6 | 18.0 | 17.4 | 17.4 | 17.7 | 18.3 | 18.7 | 18.9 | 18.9 | 19.1 | 19.8              | 18.6         | 1.2         | 21.9        | 14.4           | 10.6  | 7.5  |  |       |
| 13                      | Q | 19.8 | 19.1 | 18.5 | 18.1 | 18.3 | 19.6 | 19.7 | 18.9 | 17.0 | 15.3 | 14.4 | 15.4 | 15.9 | 16.5 | 16.7 | 16.4 | 16.8 | 17.2 | 19.1 | 19.4 | 20.0 | 20.4 | 19.6 | 18.7              | 18.0         | 21.4        | 20.7        | 13.8           | 10.0  | 6.9  |  |       |
| 14                      |   | 18.9 | 18.5 | 18.3 | 18.1 | 18.1 | 20.0 | 21.3 | 20.9 | 18.1 | 15.3 | 14.0 | 14.4 | 14.9 | 16.5 | 15.5 | 15.9 | 17.0 | 17.6 | 18.5 | 18.7 | 19.4 | 19.6 | 18.9 | 18.5              | 17.8         | 6.9         | 21.5        | 13.6           | 10.8  | 7.9  |  |       |
| 15                      | D | 18.3 | 19.1 | 18.5 | 18.1 | 19.5 | 20.2 | 21.1 | 19.8 | 19.6 | 17.8 | 17.9 | 19.6 | 18.5 | 18.5 | 19.3 | 19.4 | 19.4 | 20.6 | 21.3 | 20.9 | 22.3 | 22.1 | 20.4 | 19.6              | 19.7         | 20.9        | 23.2        | 17.1           | 9.2   | 6.1  |  |       |
| 16                      |   | 19.4 | 19.5 | 18.5 | 17.7 | 18.7 | 19.4 | 20.2 | 18.9 | 17.4 | 16.6 | 16.9 | 16.6 | 17.4 | 18.1 | 19.6 | 20.0 | 21.1 | 21.5 | 20.7 | 20.0 | 19.8 | 19.2 | 19.1 | 19.1              | 19.0         | 17.2        | 22.1        | 15.7           | 9.2   | 6.4  |  |       |
| 17                      |   | 18.5 | 18.7 | 18.7 | 19.1 | 20.0 | 20.4 | 20.7 | 20.9 | 19.1 | 17.7 | 17.0 | 16.8 | 17.6 | 18.1 | 17.9 | 18.1 | 18.7 | 19.4 | 19.7 | 20.0 | 18.9 | 18.3 | 18.7 | 17.2              | 18.8         | 7.3         | 21.5        | 16.1           | 11.5  | 5.4  |  |       |
| 18                      |   | 17.9 | 17.3 | 17.2 | 17.7 | 18.5 | 19.8 | 20.7 | 20.2 | 18.9 | 17.2 | 16.7 | 18.0 | 16.8 | 18.1 | 18.5 | 18.5 | 20.0 | 20.6 | 20.6 | 20.9 | 21.2 | 20.7 | 19.4 | 19.7              | 19.0         | 20.7        | 21.7        | 15.8           | 9.8   | 5.9  |  |       |
| 19                      |   | 18.5 | 18.1 | 17.4 | 17.4 | 18.5 | 19.4 | 20.4 | 20.4 | 19.4 | 17.9 | 17.0 | 17.2 | 17.8 | 17.6 | 18.9 | 19.3 | 19.1 | 19.8 | 21.1 | 21.3 | 21.9 | 20.4 | 19.3 | 18.3              | 19.0         | 20.2        | 22.5        | 16.0           | 10.7  | 6.5  |  |       |
| 20                      |   | 17.9 | 17.3 | 18.1 | 17.9 | 17.9 | 18.1 | 19.1 | 18.9 | 19.1 | 17.2 | 16.5 | 17.0 | 16.8 | 17.4 | 19.4 | 17.9 | 20.2 | 19.4 | 19.4 | 19.1 | 20.0 | 19.7 | 19.3 | 19.1              | 18.4         | 16.9        | 23.0        | 16.3           | 10.1  | 6.7  |  |       |
| 21                      |   | 18.5 | 18.0 | 17.9 | 17.9 | 19.5 | 19.1 | 18.9 | 18.7 | 17.7 | 17.0 | 16.1 | 17.0 | 16.9 | 17.0 | 17.4 | 17.4 | 17.7 | 17.9 | 18.3 | 18.9 | 19.8 | 20.0 | 20.0 | 18.5              | 18.2         | 22.5        | 20.7        | 15.8           | 10.8  | 4.9  |  |       |
| 22                      |   | 19.1 | 18.3 | 18.1 | 18.0 | 18.5 | 18.7 | 19.1 | 18.9 | 17.7 | 16.8 | 16.1 | 16.1 | 16.1 | 16.6 | 16.6 | 16.9 | 17.1 | 17.6 | 17.9 | 18.3 | 18.5 | 18.9 | 18.9 | 18.7              | 17.8         | 0.2         | 19.6        | 15.7           | 12.0  | 3.9  |  |       |
| 23                      |   | 18.7 | 19.4 | 18.7 | 18.5 | 18.7 | 20.7 | 20.7 | 19.4 | 17.4 | 15.4 | 15.1 | 15.7 | 16.1 | 16.4 | 16.7 | 16.4 | 16.4 | 17.4 | 18.7 | 20.7 | 20.0 | 19.7 | 19.8 | 19.6              | 18.2         | 19.1        | 22.1        | 14.6           | 10.2  | 7.5  |  |       |
| 24                      |   | 19.0 | 18.7 | 17.9 | 18.3 | 18.5 | 19.8 | 18.9 | 18.2 | 17.7 | 17.0 | 17.4 | 17.1 | 17.0 | 17.0 | 16.8 | 17.7 | 17.4 | 18.1 | 18.5 | 18.7 | 19.6 | 19.4 | 18.9 | 18.5              | 18.2         | 5.7         | 20.1        | 16.6           | 14.5  | 3.5  |  |       |
| 25                      |   | 18.0 | 17.7 | 18.3 | 17.9 | 17.5 | 17.7 | 17.4 | 15.9 | 16.6 | 15.5 | 15.9 | 16.7 | 17.2 | 17.2 | 18.1 | 18.1 | 17.9 | 18.1 | 18.5 | 20.4 | 19.4 | 21.4 | 19.8 | 18.5              | 17.9         | 19.2        | 22.4        | 15.1           | 9.9   | 7.3  |  |       |
| 26                      | D | 19.1 | 18.5 | 18.5 | 18.8 | 18.1 | 18.2 | 18.5 | 18.0 | 16.6 | 16.4 | 15.1 | 17.2 | 17.7 | 17.0 | 17.4 | 17.6 | 17.4 | 19.4 | 19.8 | 19.4 | 18.9 | 18.5 | 18.5 | 18.1              | 18.0         | 17.9        | 21.1        | 14.0           | 10.6  | 7.1  |  |       |
| 27                      |   | 18.7 | 18.3 | 18.3 | 18.7 | 18.3 | 18.5 | 18.9 | 17.9 | 17.6 | 16.4 | 15.7 | 17.2 | 17.2 | 17.4 | 18.3 | 19.4 | 20.4 | 21.7 | 21.1 | 21.9 | 20.4 | 20.7 | 20.0 | 17.7              | 18.8         | 19.9        | 23.0        | 15.5           | 10.4  | 7.5  |  |       |
| 28                      | D | 17.0 | 16.6 | 17.9 | 16.9 | 17.4 | 19.6 | 21.5 | 20.6 | 19.1 | 17.2 | 17.3 | 17.4 | 18.1 | 18.3 | 18.5 | 18.5 | 20.9 | 19.8 | 19.1 | 19.6 | 20.2 | 21.5 | 21.1 | 21.1              | 19.0         | 23.2        | 22.8        | 15.4           | 1.4   | 7.4  |  |       |
| 29                      |   | 19.2 | 18.9 | 18.2 | 17.9 | 17.2 | 17.0 | 17.9 | 19.1 | 18.7 | 17.9 | 16.1 | 16.4 | 17.3 | 18.9 | 18.1 | 18.5 | 18.5 | 19.0 | 19.1 | 19.4 | 19.8 | 21.5 | 21.5 | 19.7              | 18.6         | 21.5        | 22.1        | 15.7           | 10.5  | 6.4  |  |       |
| 30                      | D | 18.9 | 17.9 | 16.4 | 19.0 | 17.9 | 17.9 | 17.2 | 17.2 | 17.4 | 16.6 | 16.1 | 17.2 | 18.3 | 17.6 | 17.2 | 17.4 | 17.7 | 19.4 | 23.0 | 22.8 | 23.2 | 22.4 | 24.1 | 21.3              | 18.9         | 22.8        | 27.6        | 14.9           | 2.3   | 12.7 |  |       |
| 31                      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                   |              |             |             |                |       |      |  |       |
| Среднее по<br>всем дням |   | 18.6 | 18.4 | 18.1 | 18.2 | 18.8 | 19.9 | 20.4 | 19.7 | 18.1 | 16.3 | 15.5 | 15.9 | 16.5 | 17.0 | 17.4 | 17.6 | 18.2 | 18.7 | 19.4 | 19.8 | 19.7 | 19.8 | 19.5 |                   |              |             |             |                |       |      |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы

Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал Белситаишвили Я.А.Проверила Эбремидзе М.А.



Обсерватория Душети (ГГШИСИ)

Среднемесячн.  $H = 24148^{\circ}$

Элемент Горизонтальная составляющая

Месяц Ноябрь год 1980

$H$  =  $24110^{\circ}$  + = ° =

| Время<br>жировое           |  |    |    |    |    |    |    |    |    |    |    |     |     |    |     |     |     |     |    |    |    |    |    |    |    | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Min<br>тит | время<br>миним | Ампл. |  |  | Сумма |
|----------------------------|--|----|----|----|----|----|----|----|----|----|----|-----|-----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|-------------------|--------------|------------|------------|----------------|-------|--|--|-------|
| Дни                        |  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11  | 12  | 13 | 14  | 15  | 16  | 17  | 18 | 19 | 20 | 21 | 22 | 23 | 24 |                   |              |            |            |                |       |  |  |       |
| 1                          |  | 17 | 18 | 18 | 29 | 28 | 33 | 26 | 18 | 18 | 10 | 0   | -1  | 8  | 6   | 15  | 8   | 18  | 22 | 27 | 24 | 29 | 30 | 34 | 31 | 19                | 22.5         | 35         | -12        | 12.9           | 47    |  |  |       |
| 2                          |  | 33 | 32 | 34 | 37 | 33 | 27 | 24 | 20 | 17 | 24 | 36  | 33  | 35 | 29  | 30  | 22  | 34  | 52 | 27 | 30 | 32 | 35 | 35 | 35 | 31                | 17.2         | 68         | 14         | 8.7            | 54    |  |  |       |
| 3Q                         |  | 40 | 42 | 44 | 46 | 47 | 40 | 34 | 30 | 28 | 32 | 34  | 32  | 35 | 30  | 32  | 27  | 30  | 30 | 33 | 38 | 40 | 40 | 40 | 40 | 36                | 4.3          | 48         | 24         | 15.8           | 24    |  |  |       |
| 4                          |  | 43 | 47 | 50 | 54 | 58 | 60 | 52 | 46 | 35 | 23 | -12 | -12 | 5  | 22  | 20  | 23  | 30  | 24 | 24 | 24 | 32 | 35 | 34 | 34 | 31                | 5.4          | 63         | -19        | 11.5           | 82    |  |  |       |
| 5Q                         |  | 40 | 42 | 47 | 53 | 53 | 50 | 46 | 42 | 36 | 36 | 42  | 41  | 41 | 41  | 46  | 46  | 46  | 47 | 50 | 46 | 47 | 47 | 44 | 48 | 45                | 4.4          | 56         | 32         | 9.1            | 24    |  |  |       |
| 6                          |  | 50 | 52 | 56 | 65 | 71 | 60 | 58 | 56 | 49 | 52 | 48  | 47  | 52 | 48  | 42  | 45  | 51  | 48 | 47 | 54 | 56 | 62 | 59 | 55 | 53                | 4.0          | 81         | 39         | 14.6           | 42    |  |  |       |
| 7Q                         |  | 46 | 46 | 47 | 47 | 53 | 54 | 50 | 53 | 48 | 48 | 50  | 50  | 52 | 54  | 50  | 48  | 50  | 50 | 53 | 53 | 52 | 50 | 54 | 55 | 51                | 23.3         | 59         | 40         | 1.5            | 19    |  |  |       |
| 8Q                         |  | 50 | 47 | 46 | 54 | 59 | 54 | 53 | 53 | 56 | 56 | 54  | 56  | 53 | 51  | 53  | 55  | 56  | 53 | 46 | 52 | 54 | 54 | 56 | 56 | 53                | 4.1          | 62         | 44         | 18.2           | 18    |  |  |       |
| 9                          |  | 59 | 59 | 60 | 59 | 60 | 56 | 52 | 47 | 47 | 50 | 53  | 65  | 56 | 41  | 46  | 47  | 44  | 38 | 46 | 47 | 46 | 47 | 46 | 44 | 51                | 11.4         | 71         | 30         | 17.5           | 41    |  |  |       |
| 10                         |  | 44 | 47 | 48 | 59 | 47 | 44 | 39 | 34 | 34 | 23 | 27  | 35  | 37 | 32  | 12  | 39  | 41  | 42 | 46 | 46 | 48 | 50 | 48 | 51 | 40                | 3.3          | 59         | 8          | 14.1           | 51    |  |  |       |
| 11D                        |  | 52 | 51 | 47 | 58 | 54 | 54 | 50 | 41 | 17 | 32 | 50  | 42  | 37 | 38  | 41  | 42  | 42  | 50 | 38 | 23 | 17 | 24 | 26 | 52 | 41                | 3.3          | 62         | -2         | 19.9           | 64    |  |  |       |
| 12                         |  | 36 | 29 | 32 | 37 | 42 | 38 | 32 | 26 | 20 | 12 | 16  | 17  | 27 | 30  | 32  | 36  | 40  | 41 | 42 | 46 | 48 | 54 | 57 | 53 | 35                | 22.5         | 62         | 6          | 9.1            | 56    |  |  |       |
| 13Q                        |  | 46 | 41 | 48 | 52 | 58 | 58 | 55 | 50 | 46 | 46 | 42  | 42  | 45 | 45  | 44  | 47  | 50  | 46 | 46 | 47 | 44 | 40 | 41 | 47 | 47                | 5.4          | 60         | 35         | 21.9           | 25    |  |  |       |
| 14                         |  | 46 | 46 | 52 | 54 | 60 | 62 | 54 | 47 | 40 | 41 | 46  | 47  | 42 | 48  | 47  | 18  | 26  | 35 | 34 | 38 | 50 | 48 | 44 | 46 | 45                | 5.1          | 64         | 9          | 15.7           | 55    |  |  |       |
| 15D                        |  | 52 | 48 | 41 | 46 | 46 | 52 | 50 | 34 | 8  | 2  | 5   | 9   | 6  | 0   | -7  | -4  | -10 | 19 | 14 | 13 | 17 | 24 | 34 | 30 | 22                | 5.6          | 59         | -19        | 16.6           | 48    |  |  |       |
| 16                         |  | 26 | 26 | 34 | 46 | 45 | 40 | 29 | 16 | 10 | -1 | -2  | -3  | -4 | -4  | -4  | -12 | 0   | 4  | 24 | 32 | 30 | 29 | 32 | 30 | 18                | 4.0          | 50         | -16        | 15.6           | 66    |  |  |       |
| 17                         |  | 38 | 38 | 37 | 40 | 38 | 33 | 33 | 24 | 29 | 27 | 24  | 20  | 16 | 21  | 32  | 33  | 29  | 29 | 29 | 41 | 41 | 39 | 47 | 47 | 33                | 22.3         | 53         | 11         | 12.2           | 42    |  |  |       |
| 18                         |  | 50 | 42 | 45 | 47 | 46 | 44 | 34 | 28 | 24 | 23 | 11  | 4   | 18 | 12  | 18  | 23  | 30  | 36 | 26 | 30 | 30 | 35 | 41 | 40 | 31                | 0.3          | 54         | -13        | 11.1           | 67    |  |  |       |
| 19                         |  | 35 | 35 | 39 | 50 | 50 | 54 | 42 | 36 | 24 | 11 | 9   | 17  | 17 | 22  | 24  | 23  | 2   | 17 | 23 | 44 | 48 | 42 | 42 | 40 | 31                | 20.2         | 60         | -4         | 16.3           | 64    |  |  |       |
| 20                         |  | 42 | 38 | 41 | 47 | 45 | 53 | 59 | 49 | 30 | 28 | 36  | 30  | 29 | 22  | 26  | 14  | 18  | 54 | 45 | 68 | 38 | 40 | 41 | 45 | 39                | 19.8         | 84         | -8         | 20.6           | 92    |  |  |       |
| 21                         |  | 47 | 44 | 47 | 51 | 46 | 44 | 52 | 50 | 46 | 34 | 32  | 35  | 38 | 36  | 37  | 38  | 40  | 40 | 40 | 43 | 41 | 42 | 42 | 53 | 42                | 23.1         | 60         | 29         | 10.9           | 31    |  |  |       |
| 22                         |  | 46 | 48 | 46 | 51 | 50 | 48 | 46 | 37 | 38 | 40 | 38  | 39  | 39 | 41  | 45  | 47  | 52  | 52 | 54 | 51 | 54 | 50 | 56 | 54 | 47                | 22.8         | 65         | 34         | 7.5            | 31    |  |  |       |
| 23                         |  | 47 | 47 | 47 | 44 | 52 | 54 | 53 | 41 | 34 | 42 | 52  | 54  | 52 | 48  | 53  | 56  | 38  | 26 | 29 | 35 | 38 | 40 | 42 | 48 | 45                | 15.9         | 58         | 18         | 18.1           | 40    |  |  |       |
| 24                         |  | 46 | 44 | 47 | 52 | 50 | 46 | 46 | 50 | 44 | 43 | 42  | 37  | 36 | 38  | 34  | 40  | 38  | 40 | 42 | 42 | 46 | 42 | 44 | 54 | 43                | 23.9         | 68         | 30         | 14.8           | 38    |  |  |       |
| 25                         |  | 54 | 53 | 54 | 56 | 63 | 65 | 86 | 88 | 77 | 84 | 73  | 69  | 58 | 41  | 24  | 34  | 44  | 47 | 42 | 40 | 68 | 34 | 29 | 33 | 56                | 6.9          | 96         | 19         | 14.9           | 77    |  |  |       |
| 26D                        |  | 35 | 32 | 38 | 38 | 68 | 82 | 68 | 78 | 71 | 60 | 58  | 23  | 0  | 29  | 32  | 39  | 35  | 29 | 44 | 40 | 42 | 41 | 40 | 46 | 44                | 7.7          | 100        | -9         | 12.2           | 109   |  |  |       |
| 27                         |  | 47 | 48 | 47 | 37 | 42 | 46 | 42 | 40 | 34 | 28 | 24  | 12  | -4 | -20 | -22 | 5   | 22  | 8  | 14 | 35 | 53 | 36 | 26 | 36 | 26                | 2.1          | 62         | -32        | 14.1           | 94    |  |  |       |
| 28D                        |  | 38 | 60 | 59 | 50 | 42 | 46 | 33 | 30 | 30 | 22 | -1  | -2  | -6 | -2  | 10  | 12  | 24  | 30 | 27 | 30 | 32 | 32 | 39 | 34 | 28                | 1.9          | 74         | -15        | 12.2           | 89    |  |  |       |
| 29                         |  | 30 | 30 | 28 | 23 | 34 | 41 | 46 | 34 | 24 | 34 | 26  | 12  | 2  | 17  | 26  | 30  | 37  | 36 | 36 | 30 | 34 | 58 | 35 | 29 | 30                | 21.7         | 66         | -1         | 12.4           | 67    |  |  |       |
| 30D                        |  | 35 | 36 | 48 | 30 | 36 | 36 | 36 | 36 | 42 | 44 | 56  | 46  | 30 | 34  | 32  | 26  | 20  | 12 | 59 | 9  | 0  | 18 | 8  | 23 | 31                | 18.3         | 82         | -8         | 20.4           | 90    |  |  |       |
| 31                         |  |    |    |    |    |    |    |    |    |    |    |     |     |    |     |     |     |     |    |    |    |    |    |    |    |                   |              |            |            |                |       |  |  |       |
| Среднее по<br>всем дням    |  | 42 | 42 | 44 | 47 | 49 | 49 | 46 | 41 | 35 | 34 | 32  | 30  | 28 | 28  | 29  | 30  | 33  | 35 | 37 | 39 | 40 | 41 | 41 | 43 | 38                |              | 65         | 9          |                | 56    |  |  |       |
| Среднее по<br>сп. дням     |  | 44 | 44 | 46 | 50 | 54 | 51 | 48 | 46 | 43 | 44 | 44  | 44  | 45 | 44  | 45  | 45  | 46  | 45 | 46 | 47 | 47 | 46 | 47 | 49 | 46                |              | 57         | 35         |                | 22    |  |  |       |
| Среднее по<br>возмущ. дням |  | 42 | 45 | 47 | 44 | 49 | 54 | 47 | 44 | 34 | 32 | 34  | 24  | 13 | 20  | 22  | 23  | 22  | 28 | 36 | 23 | 22 | 28 | 29 | 37 | 33                |              | 75         | -11        |                | 86    |  |  |       |
| Сумма по<br>всем дням      |  |    |    |    |    |    |    |    |    |    |    |     |     |    |     |     |     |     |    |    |    |    |    |    |    |                   |              |            |            |                |       |  |  |       |
| Сумма по<br>сп. дням       |  |    |    |    |    |    |    |    |    |    |    |     |     |    |     |     |     |     |    |    |    |    |    |    |    |                   |              |            |            |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |  |    |    |    |    |    |    |    |    |    |    |     |     |    |     |     |     |     |    |    |    |    |    |    |    |                   |              |            |            |                |       |  |  |       |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Душети (ГТШмшч)

$$\underline{I = 42115^{\circ}}$$

Вертикальная составляющая

год 1980

420208

| Время<br>жировое           |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Max<br>тит | Mini<br>тит | время<br>миним | Ампл. |     |     | Сумма |     |    |      |    |    |    |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-------------------|--------------|------------|-------------|----------------|-------|-----|-----|-------|-----|----|------|----|----|----|
|                            | Дни | 1   | 2   | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11  | 12  | 13  | 14  | 15  | 16  |                   |              |            |             |                |       |     |     |       | 17  | 18 | 19   | 20 | 21 | 22 |
| 1                          | 100 | 100 | 101 | 101 | 104 | 100 | 95  | 89 | 80 | 79 | 86 | 92  | 96  | 102 | 102 | 105 | 103 | 103               | 102          | 102        | 101         | 100            | 100   | 99  | 98  | 4.1   | 106 | 78 | 9.3  | 28 |    |    |
| 2                          | 99  | 99  | 99  | 100 | 105 | 103 | 92  | 77 | 65 | 69 | 80 | 91  | 94  | 97  | 98  | 99  | 98  | 97                | 100          | 99         | 98          | 97             | 98    | 98  | 94  | 4.8   | 106 | 62 | 8.8  | 44 |    |    |
| 3Q                         | 98  | 98  | 97  | 99  | 104 | 108 | 104 | 90 | 77 | 77 | 84 | 92  | 95  | 94  | 96  | 98  | 98  | 100               | 100          | 98         | 98          | 97             | 96    | 96  | 96  | 5.7   | 109 | 75 | 8.9  | 34 |    |    |
| 4                          | 95  | 96  | 96  | 96  | 97  | 96  | 95  | 85 | 72 | 77 | 90 | 96  | 96  | 99  | 100 | 99  | 99  | 100               | 102          | 102        | 100         | 100            | 99    | 99  | 95  | 19.1  | 103 | 70 | 8.5  | 33 |    |    |
| 5Q                         | 98  | 98  | 97  | 98  | 101 | 100 | 92  | 79 | 64 | 57 | 68 | 78  | 84  | 90  | 93  | 92  | 94  | 94                | 95           | 96         | 96          | 95             | 95    | 95  | 90  | 4.8   | 102 | 55 | 9.3  | 47 |    |    |
| 6                          | 94  | 94  | 93  | 90  | 93  | 96  | 90  | 74 | 58 | 54 | 64 | 75  | 85  | 91  | 93  | 93  | 92  | 94                | 96           | 94         | 94          | 93             | 92    | 93  | 87  | 5.4   | 97  | 53 | 9.5  | 44 |    |    |
| 7Q                         | 94  | 94  | 92  | 94  | 98  | 98  | 93  | 86 | 75 | 70 | 76 | 83  | 88  | 89  | 90  | 90  | 92  | 93                | 93           | 93         | 93          | 94             | 92    | 92  | 90  | 5.1   | 100 | 69 | 9.4  | 31 |    |    |
| 8Q                         | 92  | 91  | 91  | 91  | 94  | 99  | 97  | 88 | 78 | 70 | 79 | 86  | 91  | 91  | 91  | 91  | 91  | 93                | 95           | 94         | 93          | 92             | 93    | 92  | 90  | 5.7   | 101 | 69 | 9.4  | 32 |    |    |
| 9                          | 92  | 91  | 91  | 91  | 95  | 94  | 90  | 82 | 73 | 66 | 72 | 84  | 92  | 93  | 93  | 92  | 95  | 98                | 97           | 97         | 96          | 96             | 95    | 95  | 90  | 17.5  | 100 | 64 | 9.5  | 36 |    |    |
| 10                         | 95  | 94  | 93  | 92  | 98  | 100 | 92  | 87 | 83 | 80 | 84 | 93  | 98  | 98  | 98  | 95  | 96  | 97                | 96           | 96         | 95          | 94             | 95    | 94  | 93  | 5.1   | 101 | 77 | 9.2  | 24 |    |    |
| 11D                        | 94  | 94  | 94  | 90  | 94  | 96  | 94  | 88 | 79 | 77 | 84 | 92  | 95  | 96  | 94  | 95  | 95  | 96                | 99           | 100        | 100         | 99             | 99    | 94  | 93  | 19.8  | 103 | 76 | 9.3  | 27 |    |    |
| 12                         | 95  | 95  | 95  | 94  | 96  | 100 | 95  | 90 | 83 | 76 | 83 | 91  | 97  | 97  | 97  | 96  | 95  | 96                | 97           | 97         | 96          | 95             | 94    | 93  | 93  | 5.6   | 101 | 75 | 9.4  | 26 |    |    |
| 13Q                        | 94  | 94  | 93  | 92  | 93  | 94  | 91  | 87 | 79 | 76 | 81 | 89  | 95  | 94  | 94  | 94  | 94  | 96                | 97           | 96         | 96          | 96             | 95    | 94  | 92  | 18.4  | 98  | 75 | 9.4  | 23 |    |    |
| 14                         | 94  | 94  | 93  | 92  | 94  | 98  | 96  | 94 | 83 | 74 | 80 | 84  | 89  | 91  | 93  | 98  | 99  | 98                | 99           | 99         | 97          | 96             | 96    | 96  | 93  | 16.2  | 100 | 72 | 9.5  | 28 |    |    |
| 15D                        | 96  | 95  | 95  | 92  | 95  | 96  | 87  | 82 | 83 | 85 | 92 | 99  | 101 | 100 | 104 | 106 | 108 | 104               | 104          | 104        | 103         | 102            | 100   | 100 | 97  | 16.6  | 109 | 80 | 7.4  | 29 |    |    |
| 16                         | 100 | 100 | 99  | 96  | 95  | 92  | 88  | 86 | 88 | 88 | 95 | 102 | 105 | 106 | 107 | 107 | 107 | 108               | 105          | 103        | 103         | 102            | 101   | 100 | 99  | 17.7  | 109 | 84 | 7.5  | 25 |    |    |
| 17                         | 99  | 98  | 98  | 98  | 100 | 98  | 97  | 99 | 96 | 95 | 99 | 102 | 103 | 102 | 100 | 100 | 101 | 102               | 102          | 99         | 99          | 99             | 96    | 97  | 99  | 12.6  | 104 | 94 | 9.7  | 10 |    |    |
| 18                         | 96  | 97  | 97  | 97  | 99  | 100 | 97  | 97 | 96 | 94 | 97 | 101 | 102 | 102 | 101 | 101 | 101 | 101               | 102          | 101        | 100         | 99             | 97    | 97  | 99  | 18.0  | 104 | 92 | 9.6  | 12 |    |    |
| 19                         | 97  | 98  | 98  | 96  | 96  | 94  | 90  | 87 | 83 | 83 | 90 | 94  | 96  | 100 | 101 | 102 | 106 | 104               | 104          | 100        | 98          | 98             | 98    | 97  | 96  | 16.3  | 107 | 80 | 9.1  | 27 |    |    |
| 20                         | 97  | 97  | 97  | 97  | 100 | 104 | 98  | 97 | 95 | 90 | 91 | 96  | 98  | 98  | 99  | 103 | 105 | 103               | 100          | 96         | 99          | 98             | 98    | 98  | 98  | 16.1  | 108 | 88 | 9.9  | 20 |    |    |
| 21                         | 97  | 97  | 96  | 94  | 96  | 99  | 96  | 89 | 84 | 84 | 87 | 90  | 93  | 97  | 98  | 98  | 99  | 100               | 100          | 100        | 99          | 99             | 99    | 96  | 95  | 18.9  | 101 | 82 | 8.9  | 19 |    |    |
| 22                         | 96  | 96  | 96  | 95  | 96  | 100 | 97  | 93 | 90 | 85 | 88 | 90  | 95  | 97  | 97  | 97  | 97  | 97                | 97           | 97         | 96          | 97             | 96    | 96  | 95  | 5.6   | 100 | 84 | 9.2  | 16 |    |    |
| 23                         | 96  | 96  | 97  | 97  | 96  | 96  | 90  | 85 | 85 | 85 | 87 | 90  | 92  | 94  | 96  | 95  | 99  | 102               | 103          | 102        | 101         | 99             | 98    | 97  | 95  | 18.7  | 104 | 83 | 8.1  | 21 |    |    |
| 24                         | 96  | 96  | 96  | 95  | 96  | 100 | 99  | 96 | 94 | 95 | 97 | 94  | 96  | 99  | 100 | 100 | 102 | 101               | 101          | 101        | 99          | 99             | 98    | 96  | 98  | 16.7  | 103 | 92 | 8.9  | 11 |    |    |
| 25                         | 95  | 94  | 94  | 93  | 91  | 92  | 86  | 84 | 85 | 87 | 90 | 91  | 93  | 96  | 99  | 98  | 98  | 99                | 100          | 96         | 94          | 96             | 97    | 97  | 94  | 18.6  | 101 | 82 | 7.8  | 19 |    |    |
| 26D                        | 97  | 98  | 98  | 97  | 92  | 89  | 86  | 82 | 81 | 82 | 85 | 93  | 97  | 96  | 98  | 100 | 102 | 102               | 100          | 100        | 99          | 99             | 99    | 98  | 95  | 17.2  | 104 | 78 | 8.0  | 26 |    |    |
| 27                         | 97  | 96  | 95  | 96  | 94  | 98  | 100 | 96 | 94 | 94 | 99 | 103 | 103 | 106 | 108 | 107 | 107 | 109               | 107          | 103        | 99          | 99             | 100   | 99  | 100 | 17.0  | 111 | 92 | 4.4  | 19 |    |    |
| 28D                        | 98  | 93  | 93  | 95  | 96  | 100 | 97  | 89 | 87 | 93 | 98 | 102 | 103 | 106 | 104 | 104 | 104 | 105               | 105          | 104        | 104         | 103            | 102   | 101 | 99  | 13.5  | 107 | 84 | 8.1  | 23 |    |    |
| 29                         | 102 | 102 | 102 | 102 | 97  | 97  | 97  | 97 | 96 | 91 | 89 | 94  | 101 | 102 | 104 | 103 | 103 | 103               | 102          | 103        | 102         | 98             | 100   | 100 | 99  | 14.5  | 106 | 88 | 10.2 | 18 |    |    |
| 30D                        | 99  | 100 | 97  | 95  | 90  | 96  | 99  | 95 | 92 | 89 | 91 | 96  | 99  | 98  | 100 | 101 | 103 | 106               | 100          | 106        | 106         | 104            | 103   | 100 | 99  | 20.2  | 109 | 88 | 9.9  | 21 |    |    |
| 31                         |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |                   |              |            |             |                |       |     |     |       |     |    |      |    |    |    |
| Среднее по<br>всем дням    | 96  | 96  | 96  | 95  | 96  | 98  | 94  | 88 | 83 | 81 | 86 | 92  | 96  | 97  | 98  | 99  | 99  | 100               | 100          | 99         | 98          | 98             | 97    | 97  | 95  |       | 104 | 78 |      | 26 |    |    |
| Среднее по<br>сп. дням     | 95  | 95  | 94  | 95  | 98  | 100 | 95  | 86 | 75 | 70 | 78 | 86  | 91  | 92  | 93  | 93  | 94  | 95                | 96           | 95         | 95          | 95             | 94    | 94  | 91  |       | 102 | 69 |      | 33 |    |    |
| Среднее по<br>возмущ. дням | 97  | 96  | 95  | 94  | 93  | 95  | 93  | 87 | 84 | 85 | 90 | 96  | 99  | 99  | 100 | 101 | 102 | 103               | 102          | 103        | 102         | 101            | 101   | 99  | 97  |       | 106 | 81 |      | 25 |    |    |
| Сумма по<br>всем дням      |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |                   |              |            |             |                |       |     |     |       |     |    |      |    |    |    |
| Сумма по<br>сп. дням       |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |                   |              |            |             |                |       |     |     |       |     |    |      |    |    |    |
| Сумма по<br>возмущ. дням   |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |                   |              |            |             |                |       |     |     |       |     |    |      |    |    |    |

Другие причины отсутств. записи. Величины, взятые приближенно с магнитограммы—( )

Проверил Белситашвили Т.А.

Обсерватория Душети (Тбилиси)Среднемесячн.  $\delta = 5^{\circ}01'.5$ Элемент СклонениеМесяц Декабрь год 1980 $\delta$  =  $4^{\circ}43'.0$  + =       ° =       '

| Время<br>кировое |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Средн.<br>суточн. |      | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |      | Сумма |      |      |      |  |  |
|------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|------|--------------|------------|-------------|----------------|-------|------|------|-------|------|------|------|--|--|
| Дни              |  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18                | 19   | 20           | 21         | 22          | 23             | 24    |      |      |       |      |      |      |  |  |
| D 1              |  | 21.2 | 20.1 | 18.8 | 15.8 | 18.0 | 19.0 | 20.4 | 19.9 | 18.7 | 17.5 | 16.9 | 17.5 | 18.1 | 18.0 | 18.2 | 18.2 | 18.4 | 18.6              | 18.8 | 19.5         | 18.8       | 18.4        | 18.4           | 18.2  | 18.6 | 04.9 | 22.6  | 13.8 | 34.4 | 88   |  |  |
| 2                |  | 18.4 | 18.0 | 18.0 | 18.0 | 18.6 | 20.3 | 21.2 | 20.5 | 19.3 | 18.0 | 17.1 | 17.7 | 17.1 | 16.8 | 16.8 | 17.5 | 17.5 | 17.5              | 18.4 | 18.6         | 18.8       | 19.0        | 19.2           | 19.0  | 18.4 | 6.8  | 21.4  | 16.5 | 14.8 | 4.9  |  |  |
| D 3              |  | 19.4 | 18.0 | 18.6 | 18.0 | 18.2 | 19.2 | 20.1 | 19.9 | 18.8 | 18.6 | 16.5 | 17.5 | 16.9 | 18.8 | 18.2 | 18.0 | 18.4 | 21.6              | 20.5 | 19.0         | 19.5       | 19.9        | 19.7           | 19.9  | 18.9 | 17.9 | 23.0  | 15.7 | 10.4 | 7.3  |  |  |
| 4                |  | 19.2 | 19.5 | 19.4 | 19.0 | 19.4 | 19.9 | 20.3 | 19.8 | 18.6 | 17.8 | 17.3 | 16.9 | 17.8 | 17.7 | 18.0 | 18.3 | 18.4 | 18.6              | 18.8 | 19.0         | 18.8       | 18.6        | 18.4           | 18.6  | 18.7 | 6.5  | 20.8  | 16.5 | 11.3 | 4.3  |  |  |
| Q 5              |  | 18.6 | 18.6 | 18.6 | 18.8 | 19.5 | 20.5 | 21.2 | 19.2 | 17.8 | 16.9 | 16.8 | 16.9 | 17.3 | 17.5 | 17.5 | 17.6 | 17.4 | 18.0              | 18.4 | 18.6         | 18.6       | 18.6        | 18.6           | 18.6  | 18.3 | 6.5  | 21.4  | 16.7 | 10.5 | 4.7  |  |  |
| Q 6              |  | 18.6 | 18.5 | 18.4 | 18.8 | 18.8 | 19.2 | 19.9 | 18.0 | 15.6 | 14.4 | 14.7 | 15.6 | 16.7 | 17.1 | 17.3 | 17.3 | 17.3 | 17.8              | 18.0 | 18.2         | 18.2       | 18.2        | 18.0           | 18.0  | 17.6 | 6.2  | 20.2  | 14.3 | 9.6  | 5.9  |  |  |
| 7                |  | 18.0 | 18.6 | 18.4 | 18.6 | 19.0 | 19.9 | 20.7 | 18.4 | 15.6 | 14.5 | 14.3 | 15.8 | 16.9 | 17.3 | 16.9 | 17.3 | 17.5 | 17.8              | 17.8 | 18.2         | 18.6       | 18.8        | 19.0           | 19.8  | 17.8 | 6.5  | 21.0  | 13.7 | 10.2 | 7.3  |  |  |
| 8                |  | 19.9 | 19.2 | 18.5 | 18.2 | 18.0 | 18.6 | 19.9 | 18.4 | 17.3 | 16.9 | 17.1 | 16.7 | 17.1 | 17.3 | 16.9 | 17.1 | 17.3 | 17.5              | 18.0 | 18.4         | 18.9       | 18.4        | 19.4           | 19.2  | 18.1 | 0.3  | 20.5  | 16.5 | 11.8 | 4.0  |  |  |
| 9                |  | 18.6 | 18.6 | 18.4 | 18.4 | 18.2 | 18.4 | 19.5 | 19.1 | 16.7 | 15.6 | 15.6 | 16.4 | 16.0 | 17.1 | 16.7 | 16.2 | 17.5 | 18.0              | 18.5 | 19.2         | 19.1       | 19.5        | 20.9           | 22.0  | 18.1 | 23.3 | 22.2  | 15.4 | 9.1  | 6.8  |  |  |
| 10               |  | 20.4 | 19.9 | 20.2 | 18.3 | 17.7 | 18.4 | 20.1 | 19.2 | 17.7 | 17.3 | 16.0 | 15.6 | 16.5 | 17.1 | 17.3 | 17.3 | 17.5 | 18.0              | 18.6 | 19.0         | 18.8       | 18.7        | 18.6           | 18.2  | 18.2 | 0.1  | 21.3  | 15.4 | 11.7 | 5.9  |  |  |
| 11               |  | 18.4 | 18.1 | 18.6 | 18.4 | 18.2 | 18.2 | 19.6 | 19.8 | 18.4 | 16.9 | 15.6 | 15.0 | 14.7 | 16.0 | 16.0 | 14.7 | 16.9 | 18.6              | 19.3 | 18.2         | 19.7       | 19.9        | 20.3           | 21.4  | 18.0 | 23.9 | 21.8  | 14.2 | 15.2 | 7.6  |  |  |
| 12               |  | 23.1 | 21.5 | 20.3 | 18.9 | 18.4 | 18.8 | 20.1 | 19.6 | 18.6 | 17.3 | 16.7 | 16.7 | 16.7 | 17.1 | 17.3 | 17.5 | 17.8 | 18.0              | 18.0 | 18.2         | 18.2       | 18.0        | 18.1           | 18.0  | 18.5 | 0.5  | 24.7  | 16.2 | 10.7 | 8.5  |  |  |
| 13               |  | 18.2 | 18.1 | 18.0 | 18.1 | 18.2 | 19.8 | 22.2 | 22.2 | 20.1 | 18.4 | 17.8 | 17.4 | 16.9 | 18.0 | 18.1 | 18.0 | 18.2 | 18.4              | 18.3 | 18.2         | 18.1       | 18.2        | 18.2           | 18.0  | 18.5 | 6.9  | 22.9  | 16.7 | 12.3 | 6.2  |  |  |
| 14               |  | 17.8 | 17.7 | 17.5 | 17.4 | 17.5 | 18.2 | 19.9 | 19.0 | 17.3 | 16.5 | 16.6 | 17.0 | 16.5 | 17.4 | 17.1 | 16.7 | 18.4 | 19.5              | 20.3 | 20.8         | 19.9       | 18.8        | 18.0           | 18.1  | 18.1 | 18.3 | 21.0  | 16.0 | 15.3 | 5.0  |  |  |
| 15               |  | 18.4 | 17.4 | 16.8 | 16.9 | 17.1 | 18.0 | 19.7 | 19.1 | 18.6 | 17.1 | 16.0 | 16.0 | 17.3 | 17.3 | 17.8 | 17.5 | 18.0 | 18.6              | 19.0 | 19.5         | 18.6       | 18.2        | 17.8           | 17.3  | 17.8 | 19.6 | 20.3  | 15.4 | 11.4 | 4.9  |  |  |
| 16               |  | 17.3 | 16.9 | 16.8 | 17.1 | 17.8 | 19.1 | 20.3 | 19.5 | 17.3 | 16.0 | 15.9 | 17.1 | 17.7 | 17.4 | 17.5 | 17.5 | 20.8 | 20.4              | 21.4 | 20.1         | 20.3       | 19.5        | 19.2           | 19.0  | 18.4 | 16.3 | 24.4  | 14.7 | 10.3 | 9.7  |  |  |
| Q 17             |  | 18.8 | 18.7 | 18.8 | 19.0 | 19.5 | 20.1 | 21.2 | 20.8 | 19.2 | 16.9 | 15.8 | 16.7 | 17.5 | 18.0 | 18.2 | 18.6 | 19.0 | 18.8              | 19.7 | 18.9         | 18.4       | 18.2        | 18.2           | 18.0  | 18.6 | 6.9  | 21.6  | 15.6 | 10.3 | 6.0  |  |  |
| 18               |  | 18.0 | 17.7 | 17.5 | 18.0 | 18.3 | 19.5 | 21.6 | 20.5 | 17.5 | 16.2 | 15.0 | 15.1 | 16.5 | 17.3 | 18.5 | 18.6 | 19.5 | 22.4              | 21.0 | 21.2         | 21.6       | 20.8        | 19.9           | 19.0  | 18.8 | 17.6 | 24.8  | 14.5 | 10.5 | 10.3 |  |  |
| D 19             |  | 17.3 | 18.0 | 18.4 | 19.4 | 19.7 | 19.7 | 21.0 | 20.5 | 16.0 | 14.3 | 14.1 | 13.5 | 13.2 | 13.9 | 13.7 | 17.3 | 24.8 | 37.3              | 34.1 | 32.8         | 30.3       | 28.5        | 24.4           | 23.2  | 21.1 | 17.3 | 41.4  | 9.6  | 14.3 | 31.8 |  |  |
| D 20             |  | 22.2 | 21.0 | 20.3 | 20.7 | 21.6 | 22.2 | 23.8 | 23.9 | 24.0 | 22.9 | 20.5 | 20.8 | 21.2 | 21.2 | 20.3 | 20.1 | 18.8 | 21.0              | 21.2 | 21.6         | 20.5       | 20.2        | 19.7           | 18.7  | 21.2 | 7.0  | 24.6  | 17.5 | 16.2 | 7.1  |  |  |
| D 21             |  | 18.0 | 16.5 | 16.0 | 18.4 | 19.0 | 20.3 | 20.5 | 20.7 | 18.0 | 16.9 | 16.5 | 17.3 | 17.8 | 18.4 | 18.8 | 21.2 | 20.2 | 20.8              | 21.6 | 19.8         | 21.2       | 21.2        | 21.0           | 20.3  | 19.2 | 20.4 | 23.1  | 15.2 | 2.4  | 7.9  |  |  |
| 22               |  | 19.9 | 19.9 | 19.5 | 18.0 | 18.2 | 19.9 | 22.0 | 22.7 | 21.8 | 19.0 | 17.5 | 16.5 | 17.3 | 18.2 | 18.2 | 19.0 | 18.6 | 19.0              | 19.5 | 19.3         | 19.0       | 18.8        | 18.6           | 18.4  | 19.1 | 7.3  | 22.9  | 16.1 | 11.2 | 6.8  |  |  |
| 23               |  | 18.0 | 17.5 | 17.4 | 17.3 | 17.7 | 18.8 | 20.5 | 21.0 | 19.9 | 18.4 | 17.5 | 16.9 | 16.9 | 17.3 | 17.7 | 17.7 | 18.0 | 18.8              | 19.2 | 19.1         | 19.2       | 18.7        | 18.6           | 18.2  | 18.3 | 7.6  | 21.2  | 16.7 | 11.7 | 4.5  |  |  |
| Q 24             |  | 18.2 | 18.0 | 17.8 | 18.0 | 18.2 | 19.4 | 21.2 | 21.0 | 19.2 | 18.0 | 16.5 | 15.6 | 15.6 | 16.7 | 17.3 | 17.3 | 17.8 | 17.7              | 18.0 | 18.2         | 18.2       | 18.0        | 17.8           | 17.5  | 18.0 | 6.8  | 21.6  | 15.4 | 12.1 | 6.2  |  |  |
| 25               |  | 17.3 | 17.1 | 16.9 | 16.9 | 17.2 | 18.4 | 19.0 | 18.8 | 17.1 | 15.6 | 15.8 | 16.7 | 16.0 | 16.7 | 16.9 | 17.1 | 17.3 | 17.8              | 18.0 | 18.0         | 18.4       | 19.2        | 19.4           | 19.5  | 17.5 | 23.1 | 19.9  | 15.5 | 9.8  | 4.4  |  |  |
| 26               |  | 18.6 | 18.0 | 17.4 | 17.7 | 18.0 | 19.0 | 21.0 | 20.5 | 18.4 | 16.7 | 16.2 | 16.2 | 16.9 | 17.3 | 16.9 | 17.3 | 17.7 | 17.9              | 18.1 | 18.2         | 18.2       | 18.2        | 18.2           | 18.0  | 17.9 | 6.9  | 21.3  | 15.8 | 11.3 | 5.5  |  |  |
| 27               |  | 18.0 | 18.0 | 17.8 | 18.0 | 18.8 | 20.8 | 22.7 | 21.4 | 18.6 | 16.8 | 15.6 | 15.9 | 15.0 | 17.8 | 18.0 | 18.0 | 18.1 | 18.2              | 18.6 | 18.6         | 18.5       | 18.4        | 18.4           | 18.0  | 18.2 | 6.9  | 23.1  | 13.9 | 12.3 | 9.2  |  |  |
| Q 28             |  | 17.7 | 17.7 | 17.5 | 17.8 | 18.2 | 19.0 | 21.4 | 21.4 | 19.2 | 18.2 | 17.3 | 16.7 | 17.1 | 17.3 | 17.8 | 17.6 | 17.5 | 17.6              | 18.0 | 18.5         | 18.6       | 18.3        | 18.2           | 18.0  | 18.2 | 7.1  | 22.0  | 16.5 | 11.4 | 5.5  |  |  |
| 29               |  | 17.5 | 17.3 | 16.9 | 17.2 | 18.0 | 19.0 | 20.8 | 20.5 | 19.0 | 18.0 | 17.3 | 16.5 | 15.6 | 16.0 | 16.7 | 17.3 | 17.8 | 17.8              | 18.2 | 20.8         | 19.5       | 18.6        | 18.8           | 19.7  | 18.1 | 6.8  | 21.2  | 15.0 | 12.4 | 6.2  |  |  |
| 30               |  | 18.1 | 16.8 | 17.1 | 17.3 | 17.8 | 19.7 | 20.9 | 21.0 | 20.1 | 19.5 | 17.1 | 16.0 | 16.9 | 17.1 | 17.8 | 17.8 | 18.3 | 18.6              | 19.0 | 19.0         | 19.2       | 19.2        | 18.8           | 18.4  | 18.4 | 7.7  | 21.4  | 15.2 | 11.4 | 6.2  |  |  |
| 31               |  | 18.2 | 17.1 | 18.2 | 18.6 | 19.0 | 21.6 | 23.4 | 24.0 | 22.7 | 20.1 | 17.5 | 16.5 |      |      |      |      |      |                   |      |              |            |             |                |       |      |      |       |      |      |      |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )Обработал Бетситашвили И.А. Проверил Чикадзе Т.И.



Обсерватория Душети (Тбилиси)Среднемесячн.  $H = 24143^\circ$ Элемент Горизонтальная составляющаяМесяц Декабрь год 1980 $H = 24110^\circ$  + =

| Время<br>жировое           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      | Средн.<br>суточн. | Время<br>тах | Max<br>tum | Mini<br>tum | время<br>minim | Ампл. |      |     | Сумма |      |     |  |  |  |  |
|----------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-------------------|--------------|------------|-------------|----------------|-------|------|-----|-------|------|-----|--|--|--|--|
| Дни                        |  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15   | 16   | 17   | 18   | 19   | 20                | 21           | 22         | 23          | 24             |       |      |     |       |      |     |  |  |  |  |
| D 1                        |  | 44  | 26  | 26  | 38  | 32  | 35  | 32  | 38  | 34  | 36  | 34  | 29  | 21  | 27  | 29   | 34   | 32   | 30   | 30   | 36                | 40           | 42         | 41          | 41             | 34    | 0.5  | 62  | 14    | 1.3  | 48  |  |  |  |  |
| 2                          |  | 38  | 42  | 46  | 54  | 52  | 48  | 46  | 44  | 38  | 35  | 38  | 36  | 41  | 42  | 48   | 48   | 47   | 50   | 44   | 46                | 41           | 46         | 52          | 46             | 44    | 22.2 | 63  | 31    | 9.2  | 32  |  |  |  |  |
| D 3                        |  | 42  | 39  | 44  | 56  | 59  | 48  | 48  | 44  | 30  | 23  | 17  | 6   | 8   | 16  | 32   | 35   | 33   | 34   | 42   | 27                | 26           | 35         | 51          | 35             | 35    | 4.4  | 64  | 1     | 11.3 | 63  |  |  |  |  |
| 4                          |  | 28  | 30  | 30  | 41  | 41  | 38  | 34  | 23  | 23  | 30  | 32  | 32  | 35  | 30  | 34   | 35   | 35   | 36   | 38   | 37                | 37           | 40         | 42          | 40             | 34    | 3.8  | 49  | 17    | 8.9  | 32  |  |  |  |  |
| Q 5                        |  | 40  | 40  | 41  | 42  | 46  | 41  | 30  | 21  | 20  | 29  | 36  | 42  | 44  | 43  | 42   | 41   | 41   | 41   | 39   | 41                | 42           | 45         | 45          | 44             | 39    | 4.5  | 47  | 18    | 8.3  | 29  |  |  |  |  |
| Q 6                        |  | 45  | 45  | 47  | 49  | 52  | 53  | 46  | 36  | 39  | 47  | 57  | 60  | 57  | 57  | 58   | 58   | 56   | 52   | 53   | 52                | 53           | 52         | 52          | 52             | 51    | 11.3 | 62  | 35    | 7.8  | 27  |  |  |  |  |
| 7                          |  | 54  | 53  | 53  | 52  | 54  | 50  | 39  | 36  | 35  | 44  | 52  | 52  | 53  | 48  | 52   | 56   | 56   | 58   | 56   | 53                | 53           | 53         | 55          | 57             | 51    | 17.7 | 60  | 32    | 8.7  | 28  |  |  |  |  |
| 8                          |  | 52  | 53  | 48  | 50  | 62  | 69  | 58  | 48  | 42  | 50  | 60  | 61  | 56  | 52  | 54   | 53   | 54   | 53   | 48   | 38                | 35           | 41         | 48          | 38             | 51    | 5.2  | 72  | 23    | 19.7 | 49  |  |  |  |  |
| 9                          |  | 43  | 45  | 47  | 49  | 56  | 62  | 53  | 47  | 44  | 40  | 43  | 47  | 46  | 46  | 46   | 40   | 23   | 29   | 33   | 38                | 45           | 44         | 46          | 46             | 44    | 5.7  | 65  | 15    | 16.7 | 50  |  |  |  |  |
| 10                         |  | 38  | 38  | 37  | 50  | 54  | 62  | 58  | 47  | 40  | 40  | 40  | 41  | 38  | 41  | 42   | 41   | 44   | 42   | 46   | 38                | 46           | 42         | 41          | 42             | 44    | 5.7  | 65  | 34    | 2.8  | 31  |  |  |  |  |
| 11                         |  | 42  | 47  | 46  | 47  | 51  | 58  | 60  | 52  | 41  | 37  | 50  | 53  | 50  | 38  | 53   | 36   | 30   | 26   | 55   | 50                | 36           | 47         | 36          | 23             | 44    | 19.3 | 70  | -12   | 19.9 | 82  |  |  |  |  |
| 12                         |  | 50  | 44  | 14  | 18  | 41  | 48  | 47  | 44  | 36  | 40  | 34  | 32  | 28  | 35  | 40   | 39   | 41   | 41   | 48   | 50                | 51           | 46         | 47          | 40             | 40    | 1.1  | 70  | 8     | 2.9  | 62  |  |  |  |  |
| 13                         |  | 40  | 45  | 47  | 48  | 53  | 53  | 45  | 30  | 18  | 14  | 13  | 13  | 28  | 32  | 38   | 42   | 44   | 44   | 46   | 42                | 44           | 46         | 46          | 46             | 38    | 4.9  | 58  | 5     | 9.7  | 53  |  |  |  |  |
| 14                         |  | 47  | 47  | 50  | 53  | 55  | 55  | 54  | 46  | 42  | 47  | 42  | 35  | 33  | 38  | 42   | 28   | 11   | 0    | 20   | 28                | 29           | 32         | 43          | 52             | 39    | 4.3  | 58  | -4    | 17.5 | 62  |  |  |  |  |
| 15                         |  | 47  | 42  | 43  | 46  | 49  | 51  | 50  | 41  | 25  | 22  | 36  | 32  | 26  | 29  | 29   | 33   | 29   | 16   | 30   | 34                | 38           | 40         | 46          | 48             | 37    | 5.6  | 54  | 13    | 17.8 | 41  |  |  |  |  |
| 16                         |  | 44  | 45  | 47  | 52  | 56  | 54  | 45  | 32  | 24  | 25  | 17  | -6  | -8  | -7  | 2    | -6   | 4    | -12  | 4    | 23                | 22           | 18         | 20          | 21             | 22    | 4.9  | 60  | -24   | 13.1 | 84  |  |  |  |  |
| Q 17                       |  | 22  | 25  | 24  | 24  | 26  | 27  | 30  | 19  | 17  | 18  | 22  | 26  | 30  | 33  | 34   | 32   | 34   | 26   | 24   | 34                | 40           | 40         | 41          | 44             | 29    | 23.6 | 46  | 13    | 8.8  | 33  |  |  |  |  |
| 18                         |  | 46  | 46  | 46  | 45  | 47  | 42  | 27  | 20  | -1  | 1   | 11  | 23  | 32  | 28  | 26   | 24   | 14   | 26   | 10   | 10                | 19           | 14         | 18          | 23             | 25    | 4.5  | 48  | -8    | 8.6  | 56  |  |  |  |  |
| D 19                       |  | 38  | 41  | 30  | 30  | 40  | 87  | 64  | 62  | 52  | 53  | 59  | 56  | 69  | -43 | -178 | -264 | -263 | -238 | -268 | -208              | -157         | -126       | -97         | -80            | -52   | 5.4  | 102 | -304  | 16.0 | 406 |  |  |  |  |
| D 20                       |  | -70 | -67 | -58 | -51 | -38 | -38 | -30 | -43 | -47 | -37 | -25 | -28 | -25 | -16 | -8   | 5    | -22  | -16  | -17  | -16               | -6           | -6         | 9           | 17             | -26   | 23.1 | 38  | -76   | 1.2  | 114 |  |  |  |  |
| D 21                       |  | 18  | 18  | 16  | 22  | 24  | 30  | 52  | 18  | 15  | -1  | 6   | 10  | -3  | -6  | 0    | 10   | 2    | 0    | 3    | 36                | 40           | 34         | 4           | 2              | 15    | 6.3  | 74  | -12   | 13.0 | 86  |  |  |  |  |
| 22                         |  | 16  | 30  | 30  | 42  | 48  | 47  | 52  | 39  | 26  | 22  | 20  | 10  | 10  | 18  | 18   | 26   | 32   | 26   | 30   | 35                | 38           | 40         | 35          | 36             | 30    | 6.5  | 58  | 2     | 11.9 | 56  |  |  |  |  |
| 23                         |  | 36  | 39  | 40  | 46  | 53  | 62  | 65  | 59  | 40  | 28  | 32  | 30  | 23  | 32  | 36   | 36   | 36   | 36   | 44   | 45                | 45           | 44         | 43          | 42             | 41    | 6.8  | 66  | 17    | 11.9 | 49  |  |  |  |  |
| Q 24                       |  | 40  | 41  | 46  | 47  | 54  | 60  | 59  | 47  | 37  | 34  | 36  | 45  | 50  | 47  | 49   | 48   | 47   | 49   | 50   | 50                | 49           | 48         | 52          | 52             | 47    | 5.9  | 62  | 32    | 9.9  | 30  |  |  |  |  |
| 25                         |  | 48  | 48  | 56  | 59  | 62  | 70  | 94  | 82  | 65  | 54  | 47  | 42  | 47  | 43  | 48   | 47   | 48   | 47   | 47   | 48                | 46           | 40         | 66          | 42             | 54    | 6.7  | 97  | 35    | 21.8 | 62  |  |  |  |  |
| 26                         |  | 40  | 41  | 43  | 48  | 53  | 56  | 54  | 40  | 24  | 26  | 33  | 35  | 38  | 47  | 53   | 47   | 46   | 47   | 49   | 48                | 48           | 48         | 47          | 50             | 44    | 5.6  | 58  | 20    | 8.9  | 38  |  |  |  |  |
| 27                         |  | 48  | 48  | 50  | 54  | 52  | 46  | 34  | 20  | 6   | 2   | 8   | -7  | 2   | 22  | 26   | 34   | 35   | 35   | 38   | 41                | 42           | 36         | 38          | 40             | 31    | 3.8  | 60  | -18   | 11.8 | 78  |  |  |  |  |
| Q 28                       |  | 41  | 41  | 47  | 52  | 52  | 54  | 59  | 50  | 38  | 36  | 40  | 42  | 36  | 40  | 33   | 41   | 43   | 41   | 38   | 36                | 44           | 46         | 44          | 42             | 43    | 6.4  | 62  | 29    | 14.7 | 33  |  |  |  |  |
| 29                         |  | 44  | 47  | 48  | 53  | 54  | 60  | 54  | 41  | 28  | 26  | 26  | 28  | 30  | 26  | 32   | 23   | 35   | 41   | 34   | 32                | 35           | 41         | 40          | 40             | 38    | 5.4  | 62  | 18    | 15.2 | 44  |  |  |  |  |
| 30                         |  | 34  | 38  | 38  | 38  | 39  | 44  | 40  | 35  | 22  | -1  | 0   | -7  | 12  | 20  | 27   | 30   | 32   | 32   | 29   | 28                | 27           | 35         | 36          | 40             | 28    | 7.8  | 49  | -13   | 11.3 | 62  |  |  |  |  |
| 31                         |  | 35  | 32  | 36  | 40  | 35  | 32  | 32  | 12  | 5   | 8   | 16  | 17  | 24  | 34  | 33   | 32   | 27   | 14   | 12   | 11                | 17           | 24         | 30          | 24             | 24    | 3.5  | 42  | 0     | 19.5 | 42  |  |  |  |  |
| Среднее по<br>всем дням    |  | 36  | 37  | 37  | 42  | 46  | 49  | 46  | 36  | 28  | 27  | 30  | 29  | 30  | 29  | 28   | 25   | 23   | 23   | 24   | 28                | 31           | 33         | 36          | 35             | 33    |      | 61  | -2    |      | 63  |  |  |  |  |
| Среднее по<br>сп. дням     |  | 38  | 38  | 41  | 43  | 46  | 47  | 45  | 35  | 30  | 33  | 38  | 43  | 43  | 44  | 43   | 44   | 44   | 42   | 41   | 43                | 46           | 46         | 47          | 47             | 42    |      | 56  | 25    |      | 30  |  |  |  |  |
| Среднее по<br>возмущ. дням |  | 14  | 11  | 12  | 19  | 23  | 32  | 33  | 24  | 17  | 15  | 18  | 15  | 14  | -4  | -25  | -36  | -44  | -38  | -42  | -25               | -11          | -4         | 2           | 3              | 1     |      | 68  | -75   |      | 143 |  |  |  |  |
| Сумма по<br>всем дням      |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |                   |              |            |             |                |       |      |     |       |      |     |  |  |  |  |
| Сумма по<br>сп. дням       |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |                   |              |            |             |                |       |      |     |       |      |     |  |  |  |  |
| Сумма по<br>возмущ. дням   |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |                   |              |            |             |                |       |      |     |       |      |     |  |  |  |  |

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы  
Длинные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Циклаури И.Т.Проверил Вердзеели Н.К.

Обсерватория Душети (Яблони)Среднемесячн.  $\bar{I} = 42\ 119^{\circ}$ Элемент Вертикальная составляющаяМесяц Декабрь год 1980 $\bar{I} = 42\ 020^{\circ} + \quad = \quad = \quad =$ 

| Время<br>наровое           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Средн.<br>суточн. | Время<br>тах | Maxi<br>tum | Mini<br>tum | время<br>minim | Ампл. |  |  | Сумма |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------------|-------------|-------------|----------------|-------|--|--|-------|
| Дни                        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |     |                   |              |             |             |                |       |  |  |       |
| D 1                        | 92  | 95  | 98  | 98  | 100 | 100 | 98  | 96  | 96  | 95  | 95  | 98  | 99  | 99  | 100 | 99  | 98  | 100 | 100 | 99  | 98  | 97  | 97  | 97  | 98  | 4.8               | 102          | 89          | 0.5         | 13             |       |  |  |       |
| 2                          | 97  | 97  | 97  | 95  | 92  | 96  | 93  | 88  | 86  | 83  | 87  | 91  | 92  | 94  | 96  | 96  | 97  | 98  | 98  | 98  | 98  | 96  | 95  | 95  | 94  | 18.1              | 99           | 82          | 9.5         | 17             |       |  |  |       |
| D 3                        | 96  | 97  | 96  | 95  | 94  | 99  | 98  | 92  | 93  | 95  | 98  | 99  | 102 | 102 | 100 | 101 | 101 | 102 | 101 | 101 | 101 | 99  | 97  | 97  | 98  | 17.3              | 103          | 90          | 7.9         | 13             |       |  |  |       |
| 4                          | 98  | 99  | 99  | 98  | 96  | 98  | 95  | 92  | 92  | 92  | 95  | 96  | 97  | 98  | 99  | 99  | 99  | 100 | 99  | 99  | 98  | 98  | 98  | 98  | 97  | 17.4              | 100          | 91          | 9.1         | 9              |       |  |  |       |
| Q 5                        | 98  | 98  | 97  | 97  | 97  | 98  | 94  | 89  | 88  | 90  | 92  | 96  | 98  | 97  | 98  | 98  | 98  | 99  | 99  | 98  | 98  | 96  | 97  | 97  | 96  | 17.6              | 100          | 87          | 8.8         | 13             |       |  |  |       |
| Q 6                        | 97  | 97  | 96  | 96  | 92  | 92  | 88  | 83  | 83  | 84  | 89  | 93  | 94  | 94  | 95  | 94  | 94  | 95  | 95  | 95  | 94  | 94  | 94  | 94  | 93  | 1.9               | 98           | 81          | 8.1         | 17             |       |  |  |       |
| 7                          | 93  | 93  | 94  | 93  | 93  | 97  | 94  | 87  | 82  | 84  | 91  | 96  | 96  | 94  | 95  | 94  | 94  | 95  | 95  | 96  | 94  | 94  | 94  | 94  | 93  | 5.7               | 99           | 81          | 8.7         | 18             |       |  |  |       |
| 8                          | 94  | 94  | 94  | 92  | 91  | 94  | 95  | 92  | 92  | 91  | 89  | 90  | 90  | 93  | 94  | 94  | 95  | 96  | 96  | 98  | 97  | 96  | 95  | 97  | 94  | 19.8              | 100          | 88          | 10.7        | 12             |       |  |  |       |
| 9                          | 95  | 95  | 95  | 94  | 91  | 94  | 94  | 88  | 82  | 83  | 88  | 91  | 93  | 95  | 96  | 96  | 100 | 100 | 100 | 100 | 98  | 98  | 96  | 96  | 94  | 16.6              | 102          | 80          | 8.8         | 22             |       |  |  |       |
| 10                         | 96  | 96  | 95  | 93  | 88  | 89  | 88  | 83  | 82  | 82  | 85  | 87  | 91  | 95  | 95  | 95  | 95  | 97  | 98  | 98  | 97  | 97  | 96  | 96  | 92  | 19.1              | 99           | 80          | 9.0         | 19             |       |  |  |       |
| 11                         | 96  | 96  | 96  | 95  | 92  | 94  | 96  | 94  | 93  | 91  | 92  | 91  | 95  | 98  | 95  | 98  | 101 | 104 | 99  | 100 | 100 | 98  | 99  | 98  | 96  | 17.5              | 105          | 88          | 9.3         | 17             |       |  |  |       |
| 12                         | 92  | 91  | 95  | 95  | 93  | 95  | 93  | 91  | 90  | 88  | 89  | 91  | 95  | 96  | 95  | 96  | 97  | 97  | 97  | 96  | 96  | 96  | 95  | 96  | 94  | 18.2              | 99           | 87          | 9.3         | 12             |       |  |  |       |
| 13                         | 96  | 96  | 96  | 95  | 96  | 101 | 103 | 95  | 92  | 95  | 94  | 94  | 96  | 97  | 97  | 96  | 97  | 97  | 96  | 97  | 96  | 96  | 95  | 95  | 96  | 6.2               | 104          | 91          | 8.6         | 13             |       |  |  |       |
| 14                         | 95  | 95  | 95  | 95  | 94  | 97  | 96  | 89  | 87  | 88  | 89  | 90  | 95  | 96  | 96  | 98  | 102 | 105 | 102 | 101 | 100 | 98  | 96  | 95  | 96  | 17.5              | 106          | 86          | 7.9         | 20             |       |  |  |       |
| 15                         | 95  | 96  | 96  | 97  | 95  | 97  | 101 | 100 | 97  | 97  | 95  | 99  | 101 | 100 | 99  | 98  | 100 | 103 | 101 | 101 | 99  | 98  | 97  | 97  | 98  | 17.8              | 104          | 94          | 10.4        | 10             |       |  |  |       |
| 16                         | 97  | 96  | 96  | 95  | 95  | 98  | 96  | 92  | 90  | 88  | 96  | 106 | 107 | 106 | 105 | 107 | 109 | 111 | 108 | 105 | 104 | 104 | 103 | 103 | 101 | 17.7              | 112          | 87          | 9.2         | 25             |       |  |  |       |
| Q 17                       | 102 | 102 | 102 | 102 | 100 | 100 | 99  | 95  | 92  | 93  | 95  | 96  | 99  | 99  | 100 | 100 | 101 | 102 | 103 | 101 | 100 | 100 | 99  | 99  | 99  | 18.1              | 103          | 90          | 8.9         | 13             |       |  |  |       |
| 18                         | 98  | 98  | 99  | 99  | 97  | 102 | 106 | 100 | 99  | 99  | 96  | 100 | 103 | 101 | 102 | 104 | 106 | 105 | 107 | 106 | 106 | 105 | 104 | 104 | 102 | 18.2              | 108          | 94          | 10.9        | 14             |       |  |  |       |
| D 19                       | 101 | 100 | 101 | 102 | 99  | 95  | 98  | 91  | 88  | 87  | 87  | 87  | 91  | 113 | 138 | 171 | 184 | 174 | 174 | 164 | 149 | 139 | 132 | 128 | 121 | 16.1              | 188          | 85          | 11.3        | 103            |       |  |  |       |
| D 20                       | 127 | 129 | 129 | 128 | 128 | 130 | 124 | 125 | 127 | 126 | 121 | 119 | 120 | 121 | 117 | 116 | 120 | 120 | 120 | 119 | 117 | 116 | 113 | 111 | 122 | 5.2               | 131          | 109         | 23.1        | 22             |       |  |  |       |
| D 21                       | 110 | 109 | 109 | 108 | 108 | 108 | 107 | 107 | 98  | 95  | 97  | 104 | 109 | 115 | 114 | 112 | 114 | 116 | 116 | 110 | 105 | 105 | 108 | 109 | 108 | 18.6              | 117          | 92          | 9.0         | 25             |       |  |  |       |
| 22                         | 107 | 104 | 104 | 103 | 101 | 107 | 107 | 102 | 93  | 87  | 92  | 99  | 106 | 108 | 107 | 106 | 107 | 108 | 107 | 106 | 104 | 103 | 103 | 103 | 103 | 13.1              | 109          | 86          | 9.6         | 23             |       |  |  |       |
| 23                         | 103 | 102 | 103 | 102 | 101 | 102 | 102 | 99  | 94  | 89  | 92  | 98  | 102 | 105 | 103 | 104 | 104 | 104 | 103 | 103 | 103 | 101 | 101 | 101 | 101 | 13.7              | 106          | 88          | 9.3         | 18             |       |  |  |       |
| Q 24                       | 102 | 101 | 100 | 101 | 98  | 101 | 100 | 90  | 85  | 85  | 85  | 88  | 92  | 97  | 98  | 99  | 100 | 100 | 100 | 100 | 99  | 99  | 98  | 98  | 96  | 5.9               | 103          | 83          | 10.9        | 20             |       |  |  |       |
| 25                         | 99  | 99  | 97  | 97  | 96  | 96  | 90  | 83  | 80  | 82  | 87  | 92  | 94  | 97  | 97  | 98  | 98  | 99  | 99  | 98  | 99  | 99  | 95  | 97  | 94  | 21.7              | 100          | 79          | 8.5         | 21             |       |  |  |       |
| 26                         | 97  | 97  | 98  | 99  | 98  | 100 | 100 | 95  | 91  | 92  | 95  | 97  | 100 | 99  | 98  | 99  | 100 | 100 | 99  | 99  | 99  | 98  | 99  | 98  | 98  | 12.9              | 101          | 90          | 8.7         | 11             |       |  |  |       |
| 27                         | 98  | 98  | 98  | 98  | 99  | 99  | 97  | 88  | 80  | 85  | 95  | 102 | 106 | 105 | 102 | 102 | 102 | 102 | 101 | 101 | 100 | 100 | 100 | 100 | 98  | 12.9              | 108          | 78          | 8.6         | 30             |       |  |  |       |
| Q 28                       | 100 | 100 | 100 | 99  | 99  | 102 | 104 | 99  | 94  | 94  | 91  | 92  | 95  | 98  | 98  | 99  | 99  | 100 | 101 | 101 | 100 | 100 | 100 | 99  | 98  | 6.3               | 105          | 90          | 10.3        | 15             |       |  |  |       |
| 29                         | 99  | 99  | 99  | 99  | 99  | 101 | 96  | 93  | 92  | 95  | 96  | 94  | 96  | 102 | 102 | 102 | 102 | 102 | 102 | 103 | 102 | 100 | 100 | 99  | 99  | 13.7              | 104          | 91          | 8.4         | 13             |       |  |  |       |
| 30                         | 99  | 98  | 99  | 100 | 103 | 103 | 100 | 101 | 101 | 106 | 109 | 113 | 115 | 110 | 105 | 105 | 105 | 104 | 105 | 105 | 105 | 103 | 103 | 102 | 104 | 12.5              | 116          | 97          | 1.8         | 19             |       |  |  |       |
| 31                         | 101 | 101 | 100 | 100 | 102 | 107 | 103 | 101 | 98  | 93  | 89  | 93  | 100 | 104 | 103 | 104 | 106 | 109 | 109 | 110 | 108 | 105 | 104 | 104 | 102 | 19.6              | 112          | 88          | 10.7        | 24             |       |  |  |       |
| Среднее по<br>всем дням    | 99  | 99  | 99  | 99  | 98  | 100 | 99  | 94  | 92  | 91  | 93  | 96  | 99  | 101 | 101 | 103 | 104 | 105 | 104 | 103 | 102 | 101 | 100 | 100 | 99  |                   | 108          | 88          |             | 20             |       |  |  |       |
| Среднее по<br>сп. дням     | 100 | 100 | 99  | 99  | 97  | 99  | 97  | 91  | 88  | 89  | 90  | 93  | 96  | 97  | 98  | 98  | 98  | 99  | 100 | 99  | 98  | 98  | 98  | 97  | 97  |                   | 102          | 86          |             | 16             |       |  |  |       |
| Среднее по<br>возмущ. дням | 105 | 106 | 107 | 106 | 106 | 106 | 105 | 102 | 100 | 100 | 100 | 101 | 104 | 110 | 114 | 120 | 123 | 122 | 122 | 119 | 114 | 111 | 109 | 108 | 109 |                   | 128          | 93          |             | 35             |       |  |  |       |
| Сумма по<br>всем дням      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |  |  |       |
| Сумма по<br>сп. дням       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |  |  |       |
| Сумма по<br>возмущ. дням   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |              |             |             |                |       |  |  |       |

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