

Ведомство **АН. Каз. ССР**
 Обсерватория **Н-Казалинск**
 Месяц **март** Год **1970**

Широта **45°46'** Долгота **62°07'**

Среднемесячн. **6°30'5"**

Элемент **Склонение δ**

$\delta = 6°30'00"$

$\delta \alpha = 0.163/\text{год}$ $\delta \delta = 6°35'7"$

| Время мирное | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | | | Σ | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Дни | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | 17 | 19 | 20 | 21 | 22 | | 23 | Max | Max | Min | Min | Σ | |
| 1 | Δ | Δ | Δ | Δ | 9.4 | 8.8 | 8.9 | 9.0 | 8.4 | 8.7 | 10.3 | 10.3 | 11.3 | 11.9 | 12.7 | 12.1 | 9.5 | 10.0 | 8.8 | 9.2 | 12.6 | 10.7 | 8.1 | 10.2 | 13.3 | 15.0 | 6.7 | 8.9 | 8.3 | 204.1 | |
| 2 | 9.3 | 9.4 | 9.4 | 9.9 | 9.4 | 8.4 | 8.4 | 6.8 | 6.2 | 8.1 | 9.2 | 9.4 | 8.7 | 8.9 | 9.1 | 8.9 | 11.3 | 11.5 | 9.8 | 8.9 | 9.2 | 10.0 | 10.5 | 9.9 | 9.2 | 16.7 | 13.6 | 5.9 | 8.3 | 7.7 | 220.6 |
| 3 | 9.6 | 9.0 | 8.4 | 8.1 | 10.6 | 11.0 | 10.3 | 10.7 | 9.9 | 10.2 | 10.3 | 10.2 | 10.5 | 11.5 | 10.5 | 10.2 | 10.4 | 10.3 | 10.0 | 10.0 | 9.9 | 10.0 | 9.9 | 10.0 | 13.9 | 12.2 | 7.6 | 3.7 | 4.6 | 241.5 | |
| 4 | 9.7 | 9.5 | 9.6 | 10.0 | Δ | 10.7 | 10.3 | 8.9 | 8.0 | 9.2 | 9.9 | 9.9 | 9.7 | 9.9 | 10.1 | 10.0 | 10.2 | 10.0 | 9.5 | 9.5 | 9.6 | 9.8 | 9.1 | 9.5 | 9.7 | 21.9 | 10.5 | 7.8 | 8.4 | 2.7 | 222.6 |
| 5 | 9.4 | 9.0 | 9.2 | 10.2 | 10.8 | 10.8 | 8.9 | 8.0 | 8.3 | 9.2 | 9.1 | 8.4 | 8.8 | 9.4 | 9.7 | 9.5 | 9.4 | 9.4 | 9.4 | 9.4 | 9.7 | 10.2 | 10.3 | 9.0 | 9.4 | 4.7 | 11.0 | 7.8 | 8.0 | 3.2 | 225.5 |
| 6 | 11.5 | 10.5 | 10.2 | 10.5 | 10.5 | 9.4 | 8.4 | 9.7 | 8.0 | 9.4 | 10.3 | 10.3 | 10.3 | 10.9 | 10.3 | 10.0 | 9.9 | 9.8 | 10.9 | 10.7 | 10.2 | 9.6 | 9.4 | 9.4 | 10.0 | 0.4 | 12.6 | 7.6 | 8.1 | 5.0 | 240.1 |
| 7 | 8.9 | 8.9 | 8.5 | 9.4 | 10.4 | 10.5 | 9.7 | 8.5 | 8.5 | 8.8 | 9.1 | 9.3 | 8.9 | 9.0 | 9.4 | 9.5 | 9.5 | 10.7 | 11.8 | 12.8 | 12.2 | 11.1 | 10.2 | 9.5 | 9.8 | 20.0 | 13.5 | 8.4 | 7.8 | 5.1 | 235.1 |
| 8 | 9.3 | 8.7 | 8.7 | 9.5 | 10.3 | 11.2 | 11.2 | 10.7 | 9.1 | 8.2 | 8.1 | 8.2 | 8.3 | 8.2 | 8.7 | 8.9 | 8.9 | 10.0 | 9.9 | 10.2 | 10.0 | 9.8 | 9.9 | 10.0 | 9.4 | 6.0 | 11.5 | 7.8 | 9.7 | 3.7 | 226.0 |
| 9 | 8.4 | 8.9 | 8.3 | 8.1 | 9.4 | 10.7 | 11.2 | 11.3 | 10.7 | 9.2 | 8.9 | 9.3 | 9.1 | 9.4 | 9.5 | 9.4 | 10.5 | 10.6 | 10.8 | 10.5 | 10.2 | 10.2 | 9.5 | 9.4 | 9.7 | 7.3 | 11.6 | 6.8 | 0.7 | 4.8 | 233.5 |
| 10 | 9.2 | 9.2 | 7.8 | 8.7 | 9.0 | 10.2 | 11.2 | 11.3 | 10.3 | 9.9 | 9.2 | 9.2 | 9.2 | 9.5 | 8.9 | 9.2 | 9.4 | 9.7 | 9.8 | 9.9 | 10.1 | 9.7 | 9.4 | 9.4 | 9.5 | 7.1 | 11.5 | 7.6 | 2.5 | 3.9 | 229.4 |
| 11 | 9.4 | 9.4 | 9.4 | 9.7 | 10.0 | 10.3 | 10.5 | 10.7 | 9.9 | 9.4 | 9.5 | 9.2 | 9.0 | 8.9 | 9.5 | 8.7 | 9.0 | 9.2 | 9.5 | 9.9 | 10.2 | 10.1 | 10.2 | 10.8 | 9.7 | 23.5 | 11.2 | 8.5 | 15.1 | 2.7 | 232.4 |
| 12 | 9.5 | 9.4 | 9.5 | 9.3 | 8.4 | 7.8 | 8.1 | 8.5 | 7.9 | 8.1 | 9.4 | 9.2 | 9.0 | 8.8 | 8.7 | 9.0 | 9.3 | 10.7 | 10.5 | 10.3 | 10.3 | 10.4 | 11.5 | 10.5 | 9.3 | 18.7 | 11.7 | 7.5 | 5.7 | 4.2 | 224.1 |
| 13 | 10.4 | 11.3 | 11.2 | 10.3 | 10.2 | 9.1 | 8.4 | 8.6 | 8.2 | 8.1 | 8.7 | 9.2 | 8.9 | 8.7 | 9.2 | 9.9 | 10.7 | 9.9 | 9.7 | 9.7 | 9.5 | 9.5 | 9.6 | 9.3 | 9.5 | 16.5 | 11.2 | 7.9 | 9.3 | 3.3 | 228.3 |
| 14 | 9.1 | 9.4 | 9.5 | 9.9 | 10.2 | 9.8 | 8.5 | 6.8 | 6.3 | 6.7 | 7.9 | 8.4 | 8.7 | 8.9 | 8.9 | 9.2 | 9.7 | 9.7 | 9.8 | 9.9 | 9.3 | 9.5 | 10.2 | 9.2 | 9.0 | 4.7 | 10.4 | 6.1 | 8.8 | 4.3 | 215.5 |
| 15 | 10.0 | 10.1 | 9.7 | 9.5 | 9.4 | 8.4 | 7.2 | 6.8 | 6.3 | 7.8 | 9.1 | 9.4 | 8.6 | 8.4 | 8.5 | 9.0 | 9.5 | 9.2 | 9.4 | 9.6 | 9.9 | 10.3 | 10.7 | 10.6 | 9.0 | 23.0 | 11.0 | 6.2 | 8.6 | 4.8 | 217.4 |
| 16 | 10.5 | 9.7 | 8.9 | 9.7 | 10.7 | 11.1 | 10.4 | 9.2 | 8.8 | 9.1 | 10.3 | 11.0 | 10.2 | 9.7 | 10.9 | 12.9 | 13.8 | 15.3 | 13.9 | 15.3 | 14.2 | 14.1 | 13.1 | 13.6 | 11.5 | 16.8 | 18.0 | 8.2 | 8.1 | 9.8 | 276.0 |
| 17 | 11.1 | 10.5 | 8.7 | 8.9 | 9.4 | 10.0 | 10.2 | 10.8 | 9.0 | 9.4 | 9.5 | 10.1 | 9.4 | 9.4 | 10.0 | 10.1 | 10.2 | 10.1 | 10.2 | 10.7 | 10.4 | 10.7 | 10.3 | 9.9 | 9.9 | 4.3 | 11.5 | 8.1 | 4.5 | 3.4 | 239.0 |
| 18 | 9.9 | 8.7 | 9.9 | 10.4 | 11.2 | 11.4 | 10.7 | 8.9 | 8.3 | 8.1 | 8.5 | 8.9 | 8.6 | 8.9 | 9.0 | 9.2 | 9.7 | 9.7 | 9.9 | 10.0 | 10.0 | 10.2 | 9.9 | 9.6 | 9.6 | 5.5 | 11.5 | 8.1 | 8.7 | 3.4 | 229.6 |
| 19 | 9.2 | 9.4 | 9.5 | 9.7 | 10.8 | 11.5 | 11.2 | 10.3 | 9.4 | 9.0 | 9.0 | 9.3 | 9.0 | 9.0 | 9.4 | 10.4 | 9.5 | 9.4 | 9.7 | 9.9 | 10.1 | 8.3 | 10.0 | 10.2 | 9.7 | 5.3 | 11.5 | 7.2 | 21.5 | 4.3 | 233.2 |
| 20 | 9.5 | 9.0 | 8.9 | 9.7 | 11.0 | 11.5 | 11.5 | 10.7 | 10.2 | 9.7 | 9.4 | 8.9 | 9.2 | 10.3 | 9.8 | 8.7 | 9.0 | 9.5 | 9.6 | 10.2 | 12.1 | 10.9 | 9.9 | 9.0 | 9.9 | 20.2 | 14.6 | 9.5 | 15.2 | 5.1 | 238.2 |
| 21 | 8.7 | 8.6 | 8.4 | 8.5 | 9.0 | 9.4 | 9.7 | 9.7 | 9.0 | 8.4 | 7.4 | 7.9 | 8.5 | 10.0 | 9.6 | 8.8 | 9.3 | 9.5 | 9.7 | 10.0 | 10.3 | 9.2 | 9.9 | 9.8 | 9.1 | 13.8 | 11.9 | 6.9 | 10.6 | 5.0 | 219.3 |
| 22 | 8.1 | 9.2 | 9.4 | 9.6 | 11.2 | 11.3 | 10.8 | 10.0 | 8.9 | 9.9 | 10.0 | 8.8 | 9.0 | 8.7 | 8.9 | 9.2 | 9.4 | 9.9 | 9.9 | 9.9 | 9.5 | 9.5 | 9.6 | 8.9 | 9.2 | 4.7 | 11.5 | 8.1 | 10.0 | 3.4 | 229.6 |
| 23 | 8.6 | 8.4 | 8.1 | 8.2 | 9.5 | 10.0 | 10.5 | 11.2 | 10.3 | 9.2 | 9.0 | 8.7 | 8.7 | 9.2 | 8.9 | 8.9 | 9.0 | 9.2 | 9.2 | 9.2 | 9.5 | 9.4 | 8.5 | 9.4 | 9.2 | 7.8 | 11.5 | 8.2 | 22.7 | 3.3 | 220.8 |
| 24 | 8.7 | 9.2 | 9.3 | 9.4 | 10.7 | 10.9 | 10.0 | 10.3 | 8.4 | 8.1 | 9.5 | 9.3 | 8.9 | 8.7 | 9.3 | 9.6 | 10.2 | 9.9 | 10.2 | 10.0 | 10.2 | 8.4 | 10.3 | 9.7 | 9.5 | 5.2 | 11.3 | 7.8 | 8.8 | 3.5 | 229.2 |
| 25 | 9.3 | 8.9 | 9.2 | 9.9 | 10.8 | 11.3 | 10.8 | 9.8 | 8.4 | 9.2 | 9.4 | 9.4 | 9.0 | 9.0 | 8.9 | 9.0 | 9.2 | 9.5 | 9.5 | 9.4 | 9.5 | 9.1 | 9.5 | 9.5 | 9.5 | 5.2 | 11.5 | 8.1 | 8.4 | 3.4 | 227.5 |
| 26 | 9.2 | 9.1 | 8.9 | 9.0 | 9.4 | 9.9 | 9.9 | 10.2 | 9.5 | 8.8 | 8.8 | 9.0 | 8.7 | 9.0 | 9.0 | 9.2 | 9.1 | 9.3 | 9.2 | 9.3 | 9.3 | 9.2 | 9.4 | 9.4 | 9.2 | 6.4 | 10.3 | 8.5 | 10.2 | 1.8 | 221.8 |
| 27 | 9.5 | 9.7 | 9.9 | 9.6 | 9.4 | 8.7 | 8.0 | 7.4 | 7.4 | 8.1 | 8.9 | 9.4 | 8.9 | 8.7 | 8.9 | 9.0 | 9.7 | 9.9 | 9.7 | 10.3 | 11.0 | 11.3 | 10.6 | 10.1 | 9.3 | 21.7 | 11.8 | 7.1 | 8.0 | 4.7 | 224.1 |
| 28 | 10.1 | 9.7 | 9.4 | 9.7 | 10.0 | 10.2 | 10.4 | 9.5 | 8.0 | 7.4 | 7.7 | 8.8 | 8.4 | 8.4 | 8.2 | 7.9 | 7.9 | 8.4 | 9.2 | 10.3 | 11.2 | 9.1 | 8.5 | 7.2 | 9.0 | 19.4 | 11.2 | 6.2 | 23.8 | 5.0 | 215.6 |
| 29 | 8.1 | 8.5 | 8.8 | 8.9 | 9.4 | 9.1 | 9.4 | 8.8 | 9.5 | 9.2 | 10.0 | 9.7 | 8.7 | 8.6 | 8.9 | 8.9 | 9.0 | 9.0 | 8.9 | 8.7 | 8.9 | 8.9 | 8.5 | 8.1 | 8.9 | 9.7 | 10.0 | 7.4 | 0.0 | 2.6 | 214.4 |
| 31 | 7.7 | 9.1 | 8.9 | 8.9 | 8.9 | 8.9 | 8.8 | 7.7 | 7.9 | 8.5 | 9.2 | 9.3 | 8.1 | 8.7 | 8.9 | 9.6 | 10.7 | 9.4 | 10.2 | 10.7 | 10.2 | 10.2 | 10.2 | 9.8 | 9.2 | 19.4 | 11.8 | 6.8 | 0.3 | 5.0 | 220.5 |
| 31 | 9.2 | 8.9 | 8.9 | 8.6 | 8.9 | 9.1 | 9.4 | 9.6 | 9.2 | 9.2 | 9.9 | 9.9 | 9.2 | 8.9 | 9.3 | 9.0 | 9.0 | 9.3 | 9.5 | 9.9 | 9.6 | 9.7 | 9.5 | 9.7 | 9.3 | 19.0 | 10.5 | 8.4 | 9.2 | 2.1 | 223.4 |
| Среднее по всем дням | 9.4 | 9.3 | 9.1 | 9.4 | 9.9 | 10.0 | 9.8 | 9.4 | 8.6 | 8.8 | 9.2 | 9.3 | 9.1 | 9.3 | 9.4 | 9.5 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.0 | 10.0 | 9.6 | 9.5 | 295.4 | 11.9 | 7.6 | 4.3 | 229.1 | 295.4 |
| Σ | 281.1 | 279.3 | 274.5 | 281.8 | 298.3 | 311.4 | 302.9 | 290.1 | 268.2 | 272.3 | 285.5 | 288.3 | 281.5 | 280.0 | 290.8 | 291.1 | 304.4 | 307.5 | 309.3 | 313.9 | 315.6 | 310.9 | 308.9 | 298.4 | 295.4 | 368.9 | 234.8 | 134.1 | 705.8 | 3 | 298.3 |

Барометр **Бодрова I-XII, 1970**

Обработал **Средина**

Проверил _____

Среднемесячн. 226.88 *мм*

Ведомство *АН. Каз. ССР*
 Обсерватория *Н-Казалинск*
 Месяц *январь* Год *1970*

Широта *45°46'* Долгота *62°07'*

Элемент *Горизонтальная составляющая "H"*
H = 22630 мм *h_н = 105 мм* *H = 22650 мм*

| Время мировое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | Время | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|-------|------|------|-------|------|-------|----|------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | max | max | min | min | Ампл | | | | |
| 1 | | | | | 59 | 52 | 52 | 47 | 33 | 48 | 49 | 34 | 5 | 5 | 13 | 33 | 18 | 55 | 47 | 64 | 58 | 34 | 29 | 47 | 39 | 19.7 | 79 | -8 | 12.9 | 87 | 782 | |
| 2 | 38 | 37 | 43 | 42 | 56 | 54 | 57 | 61 | 68 | 74 | 74 | 68 | 57 | 52 | 54 | 52 | 49 | 38 | 48 | 63 | 66 | 63 | 57 | 64 | 56 | 10.3 | 75 | 35 | 17.3 | 40 | 1335 | |
| 3 | 62 | 57 | 64 | 63 | 48 | 48 | 51 | 44 | 45 | 49 | 52 | 53 | 47 | 47 | 48 | 48 | 47 | 48 | 51 | 51 | 51 | 55 | 53 | 52 | 51 | 21.8 | 65 | 29 | 7.6 | 46 | 1234 | |
| 4 | 54 | 57 | 59 | 58 | 53 | Δ | 51 | 55 | 59 | 58 | 58 | 56 | 55 | 53 | 52 | 54 | 50 | 50 | 54 | 54 | 53 | 56 | 53 | 52 | 54 | 8.7 | 60 | 48 | 17.2 | 12 | 1254 | |
| 5 | 53 | 56 | 59 | 60 | 59 | 54 | 66 | 76 | 76 | 65 | 59 | 60 | 57 | 55 | 61 | 56 | 62 | 63 | 63 | 62 | 60 | 57 | 53 | 58 | 60 | 8.1 | 81 | 52 | 15.0 | 29 | 1450 | |
| 6 | 51 | 61 | 53 | 54 | 54 | 50 | 54 | 58 | 64 | 64 | 60 | 52 | 48 | 46 | 52 | 55 | 56 | 55 | 53 | 60 | 48 | 50 | 51 | 53 | 54 | 8.9 | 66 | 48 | 5.6 | 18 | 1301 | |
| 7 | 56 | 59 | 60 | 63 | 59 | 53 | 52 | 54 | 63 | 66 | 69 | 69 | 69 | 68 | 67 | 68 | 64 | 59 | 48 | 36 | 40 | 49 | 48 | 53 | 58 | 11.0 | 72 | 34 | 20.1 | 38 | 1392 | |
| 8 | 52 | 55 | 59 | 65 | 65 | 59 | 49 | 43 | 48 | 55 | 63 | 68 | 69 | 65 | 65 | 66 | 65 | 58 | 69 | 65 | 68 | 69 | 68 | 64 | 61 | 18.0 | 77 | 42 | 7.4 | 35 | 1472 | |
| 9 | 70 | 68 | 69 | 74 | 73 | 64 | 61 | 57 | 53 | 62 | 65 | 64 | 57 | 57 | 57 | 55 | 37 | 53 | 53 | 55 | 59 | 60 | 63 | 60 | 61 | 24.9 | 79 | 51 | 8.5 | 28 | 1446 | |
| 10 | 66 | 59 | 57 | 68 | 75 | 73 | 68 | 66 | 67 | 67 | 59 | 56 | 58 | 56 | 58 | 58 | 61 | 67 | 64 | 61 | 60 | 62 | 59 | 57 | 62 | 4.7 | 76 | 55 | 13.3 | 21 | 1502 | |
| 11 | 58 | 57 | 57 | 60 | 60 | 57 | 58 | 63 | 71 | 73 | 70 | 64 | 61 | 59 | 61 | 65 | 65 | 65 | 63 | 60 | 60 | 58 | 60 | 56 | 62 | 9.1 | 74 | 53 | 23.7 | 21 | 1481 | |
| 12 | 53 | 56 | 55 | 52 | 55 | 54 | 52 | 49 | 52 | 59 | 64 | 62 | 58 | 57 | 57 | 57 | 60 | 56 | 59 | 56 | 54 | 54 | 69 | 52 | 56 | 22.4 | 74 | 47 | 7.0 | 27 | 1352 | |
| 13 | 49 | 50 | 52 | 53 | 53 | 50 | 51 | 57 | 67 | 71 | 72 | 68 | 64 | 61 | 53 | 51 | 54 | 64 | 65 | 62 | 62 | 59 | 56 | 55 | 58 | 10.8 | 73 | 49 | 14.6 | 24 | 1399 | |
| 14 | 56 | 61 | 58 | 53 | 49 | 47 | 45 | 50 | 58 | 63 | 67 | 68 | 62 | 56 | 54 | 56 | 62 | 64 | 65 | 65 | 67 | 68 | 64 | 66 | 59 | 20.5 | 75 | 44 | 6.8 | 31 | 1424 | |
| 15 | 67 | 65 | 57 | 57 | 55 | 60 | 65 | 68 | 73 | 79 | 81 | 80 | 73 | 70 | 70 | 68 | 64 | 67 | 63 | 62 | 60 | 59 | 57 | 55 | 65 | 10.2 | 85 | 51 | 4.5 | 34 | 1575 | |
| 16 | 54 | 55 | 64 | 60 | 49 | 38 | 30 | 31 | 39 | 40 | 30 | 24 | 18 | 6 | 1 | 5 | 13 | 13 | 18 | 19 | 26 | 22 | 35 | 35 | 30 | 4.0 | 53 | 43 | 14.3 | 10 | 725 | |
| 17 | 52 | 46 | 35 | 31 | 24 | 25 | 23 | 26 | 24 | 37 | 38 | 38 | 36 | 39 | 42 | 44 | 43 | 44 | 46 | 44 | 44 | 47 | 46 | 48 | 38 | 24.0 | 48 | 23 | 4.1 | 25 | 922 | |
| 18 | 48 | 61 | 50 | 48 | 40 | 34 | 24 | 24 | 32 | 42 | 44 | 44 | 48 | 51 | 51 | 56 | 52 | 56 | 56 | 55 | 54 | 52 | 54 | 55 | 47 | 15.8 | 62 | 21 | 7.3 | 41 | 1131 | |
| 19 | 59 | 60 | 64 | 69 | 79 | 67 | 62 | 57 | 56 | 63 | 63 | 62 | 60 | 58 | 53 | 54 | 55 | 59 | 64 | 63 | 58 | 66 | 66 | 60 | 61 | 4.0 | 70 | 50 | 14.9 | 20 | 1477 | |
| 20 | 63 | 65 | 65 | 65 | 63 | 59 | 60 | 65 | 70 | 70 | 66 | 58 | 55 | 47 | 46 | 61 | 62 | 62 | 65 | 55 | 58 | 56 | 55 | 58 | 60 | 9.0 | 73 | 43 | 13.7 | 30 | 1449 | |
| 21 | 60 | 64 | 67 | 72 | 74 | 71 | 66 | 61 | 58 | 54 | 54 | 59 | 63 | 52 | 60 | 64 | 64 | 64 | 63 | 65 | 63 | 65 | 65 | 60 | 63 | 4.0 | 76 | 47 | 13.7 | 29 | 1508 | |
| 22 | 59 | 65 | 65 | 64 | 59 | 54 | 52 | 54 | 63 | 68 | 65 | 63 | 63 | 64 | 60 | 57 | 60 | 62 | 58 | 60 | 62 | 60 | 63 | 66 | 61 | 9.6 | 69 | 52 | 6.2 | 17 | 1466 | |
| 23 | 68 | 65 | 69 | 73 | 74 | 70 | 67 | 65 | 66 | 68 | 60 | 59 | 58 | 60 | 65 | 66 | 64 | 65 | 65 | 63 | 62 | 63 | 67 | 58 | 65 | 4.8 | 75 | 55 | 13.0 | 20 | 1560 | |
| 24 | 63 | 63 | 64 | 61 | 56 | 50 | 48 | 42 | 45 | 47 | 41 | 46 | 43 | 46 | 52 | 53 | 52 | 54 | 56 | 59 | 60 | 73 | 64 | 58 | 54 | 21.3 | 76 | 34 | 10.7 | 42 | 1296 | |
| 25 | 58 | 60 | 61 | 63 | 60 | 58 | 59 | 63 | 69 | 71 | 67 | 62 | 60 | 60 | 63 | 64 | 63 | 62 | 64 | 64 | 65 | 67 | 67 | 67 | 63 | 9.3 | 71 | 59 | 12.0 | 12 | 1517 | |
| 26 | 68 | 67 | 67 | 66 | 65 | 62 | 58 | 56 | 60 | 57 | 65 | 66 | 59 | 61 | 60 | 63 | 63 | 64 | 66 | 67 | 66 | 68 | 67 | 68 | 64 | 10.1 | 71 | 55 | 7.3 | 16 | 1529 | |
| 27 | 67 | 68 | 67 | 69 | 70 | 67 | 66 | 74 | 80 | 85 | 81 | 77 | 69 | 63 | 58 | 60 | 63 | 58 | 59 | 62 | 60 | 56 | 57 | 59 | 66 | 19.8 | 86 | 53 | 17.9 | 33 | 1595 | |
| 28 | 64 | 66 | 63 | 59 | 56 | 53 | 52 | 57 | 68 | 76 | 78 | 74 | 70 | 73 | 76 | 81 | 84 | 80 | 70 | 61 | 65 | 69 | 69 | 73 | 68 | 16.6 | 87 | 50 | 6.2 | 37 | 1637 | |
| 29 | 78 | 77 | 76 | 76 | 78 | 75 | 70 | 70 | 74 | 80 | 77 | 68 | 60 | 60 | 64 | 64 | 65 | 64 | 68 | 74 | 75 | 77 | 77 | 77 | 72 | 19.3 | 87 | 55 | 23.2 | 33 | 1724 | |
| 31 | 83 | 77 | 75 | 73 | 71 | 66 | 62 | 71 | 87 | 94 | 80 | 72 | 65 | 66 | 64 | 58 | 43 | 52 | 69 | 60 | 57 | 67 | 65 | 64 | 68 | 9.6 | 96 | 28 | 16.3 | 68 | 1641 | |
| 31 | 69 | 68 | 66 | 65 | 57 | 53 | 49 | 50 | 54 | 60 | 64 | 63 | 60 | 65 | 64 | 65 | 64 | 60 | 58 | 58 | 60 | 59 | 60 | 59 | 60 | 1.1 | 74 | 47 | 6.9 | 27 | 1450 | |
| Среднее по всем дням | 60 | 61 | 61 | 61 | 60 | 56 | 54 | 55 | 59 | 63 | 62 | 60 | 56 | 54 | 55 | 57 | 55 | 57 | 58 | 58 | 58 | 59 | 58 | 58 | 58 | 58 | 17.96 | 74 | 43 | 31 | 1395 | |
| | 1798 | 1825 | 1820 | 1836 | 1848 | 1677 | 1680 | 1714 | 1842 | 1965 | 1935 | 1857 | 1727 | 1678 | 1701 | 1751 | 1724 | 1781 | 1810 | 1805 | 1801 | 1820 | 1817 | 1809 | 1796 | 2285 | 1345 | 940 | 43027 | | | |

Условные обозначения: Δ — п. гласа лампа; > или < — запись вышла за бумагу; □ — остановился час; ∟ — иные причины отсутств. записи. Величины, взятые приблизительно с магнитограммы — ()

Среднемесячи. 6°39'7"

Ведомство АН. Каз. ССР
 Обсерватория Н-Казалинск
 Месяц февраль Год 1970

Широта 45°46' Долгота 62°07'

Элемент Склонение N

N = 6°30'00" +

δ₀ = 0.102 Ампл N = 6°36'00"

| Время мировое Дни | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | | | Σ | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|-------|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | 19 | 20 | 21 | 22 | 23 | | max | max | min | min | Ампл | | | | |
| 1 | 10.2 | 10.1 | 9.3 | 10.3 | 10.4 | 10.6 | 9.8 | 9.5 | 8.6 | 8.6 | 9.0 | 8.0 | 9.4 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.5 | 10.3 | 10.9 | 13.2 | 9.7 | 23.9 | 14.3 | 8.5 | 9.2 | 5.8 | 233.0 | | | |
| 2 | 13.2 | 10.5 | 10.2 | 10.2 | 9.9 | 8.9 | 8.1 | 7.8 | 8.4 | 9.3 | 10.0 | 11.8 | 12.2 | 10.6 | 9.4 | 9.4 | 10.1 | 10.9 | 11.5 | 13.0 | 9.8 | 9.9 | 11.7 | 6.4 | 10.1 | 0.4 | 14.5 | 6.0 | 23.5 | 8.5 | 243.2 | | |
| 3 | 11.0 | 11.2 | 9.7 | 9.8 | 9.5 | 8.6 | 9.0 | 9.0 | 9.5 | 9.6 | 10.2 | 10.5 | 10.4 | 9.8 | 9.9 | 9.8 | 9.8 | 9.9 | 10.0 | 9.9 | 9.9 | 10.0 | 9.8 | 9.8 | 9.8 | 1.0 | 12.0 | 8.4 | 5.7 | 3.6 | 236.6 | | |
| 4 | 9.5 | 9.5 | 10.1 | 10.5 | 10.6 | 10.1 | 9.8 | 9.5 | 9.1 | 9.8 | 10.6 | 9.5 | 9.9 | 13.0 | 9.9 | 10.1 | 11.9 | 13.8 | 11.9 | 11.2 | 11.1 | 9.8 | 10.0 | 10.3 | 10.5 | 15.6 | 15.1 | 8.5 | 8.4 | 6.6 | 251.5 | | |
| 5 | 10.4 | 10.6 | 10.1 | 9.9 | 9.7 | 10.6 | 10.7 | 9.9 | 9.3 | 8.9 | 10.0 | 10.6 | 9.9 | 10.3 | 11.4 | 9.8 | 10.1 | 10.3 | 9.9 | 9.9 | 10.2 | 10.0 | 9.5 | 9.8 | 10.1 | 13.6 | 12.0 | 8.4 | 9.5 | 3.6 | 241.8 | | |
| 6 | 11.0 | 10.9 | 10.4 | 10.3 | 10.3 | 9.2 | 8.3 | 8.2 | 9.2 | 9.9 | 10.9 | 11.0 | 10.2 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.3 | 10.6 | 10.3 | 10.2 | 10.2 | 9.7 | 10.0 | 11.0 | 11.2 | 7.8 | 7.1 | 3.4 | 240.1 | | |
| 7 | 9.8 | 9.9 | 10.1 | 10.4 | 11.1 | 11.1 | 10.0 | 9.0 | 8.4 | 8.8 | 9.6 | 10.1 | 10.1 | 9.9 | 9.8 | 9.9 | 10.0 | 9.9 | 9.9 | 10.0 | 9.9 | 10.1 | 10.1 | 10.1 | 9.9 | 5.1 | 11.3 | 8.2 | 8.6 | 3.1 | 238.0 | | |
| 8 | 10.3 | 10.3 | 10.6 | 11.0 | 13.2 | 11.6 | 10.6 | 9.7 | 9.1 | 8.8 | 9.1 | 9.4 | 9.3 | 9.2 | 9.1 | 9.1 | 9.3 | 10.1 | 9.8 | 10.1 | 10.4 | 10.3 | 10.3 | 9.8 | 10.0 | 5.1 | 11.9 | 8.7 | 9.5 | 3.2 | 240.5 | | |
| 9 | 9.8 | 9.9 | 10.0 | 10.3 | 9.0 | 10.1 | 9.1 | 7.3 | 6.4 | 7.2 | 8.2 | 9.1 | 9.1 | 8.6 | 8.8 | 8.8 | 9.0 | 9.5 | 9.8 | 9.8 | 9.5 | 9.5 | 9.3 | 9.2 | 9.0 | 4.7 | 10.8 | 6.4 | 8.6 | 4.4 | 217.3 | | |
| 10 | 9.1 | 9.1 | 9.5 | 9.6 | 9.8 | 9.4 | 9.5 | 9.5 | 8.2 | 7.8 | 8.7 | 9.3 | 9.6 | 9.6 | 9.2 | 11.1 | 11.2 | 11.2 | 12.7 | 10.3 | 10.1 | 9.7 | 9.8 | 9.8 | 9.7 | 18.5 | 13.3 | 7.5 | 9.3 | 5.8 | 233.8 | | |
| 11 | 9.8 | 9.9 | 10.3 | 10.6 | 11.1 | 10.8 | 10.3 | 9.6 | 9.0 | 9.3 | 9.8 | 9.7 | 9.1 | 9.2 | 9.3 | 9.6 | 9.8 | 9.7 | 9.6 | 9.8 | 9.8 | 9.5 | 9.6 | 9.8 | 9.8 | 4.5 | 11.1 | 8.8 | 9.0 | 2.3 | 235.0 | | |
| 12 | 9.9 | 10.1 | 10.6 | 11.2 | 12.0 | 11.7 | 10.5 | 9.0 | 7.9 | 7.8 | 8.8 | 9.0 | 9.0 | 8.8 | 8.6 | 8.5 | 8.3 | 8.5 | 9.1 | 9.1 | 9.1 | 9.2 | 9.5 | 9.6 | 9.4 | 4.5 | 12.2 | 7.7 | 9.6 | 4.5 | 225.8 | | |
| 13 | 9.8 | 9.9 | 10.1 | 10.1 | 10.7 | 10.4 | 9.6 | 8.3 | 7.0 | 7.0 | 8.2 | 8.6 | 9.0 | 8.5 | 8.6 | 8.5 | 8.5 | 9.0 | 9.0 | 9.1 | 9.0 | 9.1 | 9.1 | 9.0 | 9.0 | 4.9 | 11.2 | 6.4 | 8.8 | 4.8 | 216.1 | | |
| 14 | 9.3 | 9.0 | 9.4 | 9.0 | 11.2 | 10.6 | 10.2 | 9.6 | 8.2 | 8.2 | 9.6 | 9.7 | 8.8 | 9.1 | 9.5 | 10.1 | 9.7 | 10.4 | 11.2 | 10.6 | 10.1 | 9.8 | 9.8 | 9.9 | 9.7 | 4.3 | 11.6 | 7.5 | 8.6 | 4.1 | 233.0 | | |
| 15 | 9.5 | 9.1 | 9.3 | 10.3 | 11.4 | 12.4 | 11.7 | 10.4 | 9.6 | 8.9 | 9.6 | 10.7 | 9.8 | 10.3 | 10.9 | 11.2 | 11.5 | 11.0 | 10.1 | 9.8 | 10.0 | 9.9 | 9.6 | 9.5 | 10.3 | 5.3 | 12.7 | 8.1 | 9.2 | 4.6 | 246.5 | | |
| 16 | 9.3 | 9.3 | 9.5 | 9.8 | 11.7 | 12.0 | 11.1 | 9.5 | 8.2 | 7.5 | 7.8 | 8.9 | 9.0 | 9.1 | 9.7 | 9.4 | 9.0 | 9.2 | 9.1 | 9.3 | 9.5 | 9.5 | 9.6 | 9.8 | 9.4 | 5.1 | 12.4 | 7.2 | 9.7 | 5.2 | 226.8 | | |
| 17 | 9.8 | 9.4 | 9.6 | 9.7 | 10.3 | 10.3 | 8.6 | 6.8 | 6.3 | 6.5 | 8.4 | 8.7 | 8.0 | 7.7 | 8.6 | 9.0 | 10.3 | 11.3 | 11.6 | 13.0 | 10.3 | 9.9 | 8.1 | 9.5 | 9.2 | 20.0 | 13.8 | 6.2 | 8.2 | 7.6 | 221.7 | | |
| 18 | 10.2 | 10.3 | 10.1 | 10.9 | 12.4 | 12.9 | 11.4 | 8.3 | 7.2 | 7.2 | 7.7 | 8.5 | 9.0 | 9.8 | 12.6 | 10.0 | 9.3 | 9.8 | 10.3 | 10.0 | Δ | Δ | Δ | Δ | 9.9 | 5.3 | 13.3 | 6.4 | 8.6 | 6.9 | 197.9 | | |
| 19 | Δ | Δ | Δ | Δ | 12.9 | 12.8 | 11.6 | 9.9 | 9.0 | 8.5 | 8.7 | 9.2 | 9.0 | 8.7 | 9.2 | 9.0 | 9.3 | 9.4 | 9.4 | 9.5 | 9.6 | 9.8 | 9.8 | 9.8 | 9.7 | 4.5 | 13.2 | 8.3 | 9.7 | 4.9 | 195.1 | | |
| 20 | 9.9 | 10.1 | 10.6 | 11.3 | 12.2 | 11.1 | 9.0 | 7.2 | Δ | 7.1 | 7.5 | 8.4 | 8.5 | 8.7 | 9.4 | 9.5 | 9.0 | 9.1 | 9.5 | 9.8 | 9.8 | 9.7 | 9.8 | 9.9 | 9.4 | 4.4 | 12.4 | 6.7 | 9.3 | 5.7 | 217.1 | | |
| 21 | 9.8 | 10.0 | 10.3 | 11.0 | 11.8 | 11.0 | 8.9 | 7.2 | 6.7 | 6.6 | 7.5 | 9.0 | 9.0 | 8.8 | 8.8 | 8.9 | 9.0 | 9.2 | 9.5 | 9.7 | 9.5 | 9.6 | 9.6 | 9.2 | 4.8 | 12.0 | 6.4 | 9.5 | 5.6 | 221.0 | | | |
| 22 | 9.9 | 10.2 | 10.7 | 11.7 | 12.8 | 12.9 | 10.9 | 8.5 | 6.9 | 6.1 | 6.9 | 8.3 | 10.6 | 8.7 | 8.7 | 8.9 | 8.8 | 9.1 | 9.3 | 9.8 | 9.7 | 9.6 | 9.6 | 9.5 | 9.5 | 5.3 | 13.2 | 6.5 | 9.5 | 6.7 | 228.1 | | |
| 23 | 9.6 | 9.6 | 10.2 | 10.9 | 11.0 | 10.2 | 9.3 | 7.6 | 6.2 | 6.1 | 7.0 | 8.1 | 8.5 | 8.3 | 8.5 | 8.3 | 8.5 | 8.7 | 9.0 | 9.1 | 8.4 | 8.7 | 8.2 | 8.3 | 8.7 | 4.1 | 11.4 | 6.5 | 9.6 | 4.9 | 208.3 | | |
| 24 | 8.8 | 9.1 | 9.7 | 10.6 | 11.3 | 12.0 | 11.1 | 9.5 | 7.4 | 6.4 | 6.1 | 7.0 | 8.1 | 8.3 | 8.5 | 10.0 | 14.2 | 11.4 | 11.3 | 9.6 | 9.6 | 10.0 | 9.9 | 9.8 | 9.6 | 16.2 | 15.4 | 6.1 | 10.5 | 9.3 | 229.7 | | |
| 25 | 9.8 | 9.6 | 9.8 | 10.3 | 11.4 | 11.9 | 10.5 | 8.2 | 6.2 | 6.5 | 6.4 | 7.7 | 8.6 | 9.0 | 9.0 | 9.4 | 9.9 | 9.8 | 9.3 | 9.3 | 9.3 | 9.4 | 9.0 | 9.1 | 9.1 | 5.4 | 12.4 | 6.3 | 9.2 | 6.1 | 219.4 | | |
| 26 | 9.1 | 9.0 | 9.1 | 10.4 | 11.9 | 13.3 | 12.3 | 9.8 | 7.4 | 6.4 | 6.1 | 7.4 | 9.5 | 8.4 | 10.1 | 11.6 | 9.9 | 10.4 | 10.2 | 9.9 | 10.1 | 10.1 | 10.1 | 10.2 | 9.7 | 5.5 | 13.6 | 6.5 | 10.6 | 7.1 | 232.7 | | |
| 27 | 10.4 | 10.6 | 10.9 | 11.7 | 12.7 | 12.8 | 10.6 | 9.0 | 8.2 | 7.7 | 8.5 | 8.6 | 9.7 | 10.3 | 10.4 | 10.3 | 10.9 | 10.1 | 10.9 | 9.6 | 9.9 | 11.6 | 12.9 | 11.9 | 10.4 | 22.0 | 14.2 | 7.5 | 9.7 | 6.7 | 250.2 | | |
| 28 | 9.6 | 8.9 | 10.0 | 11.2 | 13.0 | 13.4 | 10.4 | 8.2 | 8.0 | 6.1 | 6.5 | 7.5 | 7.0 | 7.4 | 9.1 | 9.7 | 9.6 | 11.9 | 11.6 | 11.4 | 10.7 | 10.7 | 10.6 | 10.4 | 9.7 | 5.3 | 14.1 | 6.2 | 9.8 | 7.9 | 232.9 | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее по всем дням | 9.9 | 9.8 | 10.0 | 10.5 | 11.3 | 11.2 | 10.1 | 8.8 | 8.0 | 7.8 | 8.5 | 9.1 | 9.3 | 9.2 | 9.5 | 9.6 | 9.9 | 10.1 | 10.2 | 10.1 | 9.8 | 9.8 | 9.9 | 9.8 | 9.7 | | 12.7 | 7.3 | | 5.4 | 232.2 | | |
| | 268.8 | 266.1 | 270.2 | 283.0 | 315.3 | 312.7 | 282.9 | 246.0 | 215.6 | 218.6 | 237.4 | 254.3 | 260.3 | 259.0 | 266.0 | 269.0 | 276.1 | 282.9 | 285.1 | 282.7 | 265.1 | 265.9 | 266.4 | 263.7 | 240.5 | | 356.6 | 203.7 | | 152.9 | 64131 | | |

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

Обработал Средина Проверил _____

Среднемесячн. 22688 μm

Ведомство АН. Каз. ССР
Обсерватория Н-Казалинск
Месяц февраль Год 1970

Широта 45°46' Долгота 62°07'

Элемент Горизонтальная составляющая Н''
H = 22630 μm Бн = 1.08 μm H₀ = 22651 μm

| Время мировое Дни | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | Время | | Амп. | | | | | | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|-------|------|-------|------|------|------|------|------|------|-----|-------|------|------|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | 19 | 20 | 21 | 22 | | 23 | Max | Max | Min | Min | | | | | |
| 1 | 61 | 61 | 66 | 65 | 54 | 56 | 56 | 56 | 61 | 66 | 69 | 68 | 68 | 69 | 69 | 69 | 70 | 71 | 71 | 75 | 71 | 73 | 69 | 66 | 20.1 | 81 | 54 | 6.8 | 27 | 1583 | | | |
| 2 | 57 | 61 | 61 | 58 | 51 | 54 | 59 | 56 | 62 | 65 | 57 | 36 | 32 | 36 | 47 | 54 | 50 | 56 | 50 | 44 | 48 | 52 | 55 | 82 | 53 | 23.5 | 92 | 29 | 12.6 | 63 | 1283 | | |
| 3 | 73 | 65 | 61 | 59 | 53 | 53 | 52 | 57 | 62 | 64 | 63 | 55 | 55 | 62 | 60 | 59 | 59 | 61 | 61 | 61 | 60 | 61 | 63 | 60 | 60 | 9.7 | 66 | 49 | 6.1 | 17 | 1440 | | |
| 4 | 64 | 66 | 64 | 62 | 64 | 59 | 56 | 62 | 59 | 52 | 63 | 63 | 49 | 38 | 43 | 51 | 46 | 62 | 63 | 53 | 50 | 58 | 58 | 61 | 52 | 17.8 | 87 | 33 | 13.2 | 54 | 1366 | | |
| 5 | 58 | 55 | 57 | 57 | 54 | 51 | 51 | 50 | 59 | 67 | 70 | 67 | 67 | 50 | 46 | 54 | 55 | 59 | 63 | 61 | 63 | 61 | 63 | 58 | 59 | 23.2 | 74 | 41 | 13.7 | 33 | 1399 | | |
| 6 | 69 | 57 | 55 | 55 | 56 | 59 | 62 | 62 | 61 | 67 | 68 | 64 | 56 | 54 | 57 | 59 | 60 | 60 | 60 | 58 | 57 | 57 | 58 | 59 | 60 | 10.0 | 65 | 53 | 13.2 | 12 | 1427 | | |
| 7 | 59 | 59 | 59 | 58 | 53 | 53 | 53 | 59 | 67 | 71 | 71 | 65 | 60 | 59 | 61 | 61 | 62 | 62 | 62 | 62 | 61 | 61 | 60 | 60 | 60 | 10.2 | 72 | 52 | 6.1 | 20 | 1458 | | |
| 8 | 60 | 59 | 59 | 59 | 58 | 54 | 54 | 55 | 57 | 62 | 65 | 68 | 67 | 66 | 64 | 61 | 60 | 59 | 60 | 62 | 64 | 64 | 62 | 63 | 61 | 11.7 | 69 | 53 | 5.9 | 16 | 1462 | | |
| 9 | 63 | 61 | 61 | 60 | 59 | 55 | 53 | 62 | 70 | 71 | 70 | 70 | 69 | 65 | 63 | 61 | 61 | 60 | 61 | 65 | 68 | 68 | 69 | 71 | 64 | 8.6 | 72 | 40 | 6.5 | 32 | 1536 | | |
| 10 | 75 | 73 | 70 | 70 | 64 | 57 | 57 | 60 | 70 | 78 | 78 | 77 | 71 | 67 | 67 | 59 | 42 | 40 | 39 | 51 | 54 | 57 | 55 | 58 | 62 | 9.4 | 79 | 33 | 17.0 | 46 | 1489 | | |
| 11 | 59 | 59 | 57 | 54 | 54 | 59 | 61 | 53 | 60 | 62 | 64 | 65 | 61 | 61 | 61 | 58 | 55 | 59 | 59 | 58 | 59 | 61 | 62 | 62 | 59 | 11.7 | 66 | 43 | 7.2 | 23 | 1423 | | |
| 12 | 62 | 62 | 62 | 60 | 51 | 42 | 37 | 39 | 48 | 64 | 75 | 79 | 75 | 70 | 71 | 72 | 75 | 75 | 70 | 74 | 75 | 75 | 75 | 65 | 65 | 11.7 | 80 | 36 | 6.7 | 44 | 1563 | | |
| 13 | 75 | 76 | 77 | 80 | 74 | 63 | 62 | 62 | 69 | 75 | 75 | 74 | 70 | 67 | 65 | 73 | 75 | 75 | 70 | 68 | 68 | 70 | 70 | 74 | 71 | 10.1 | 80 | 61 | 7.4 | 19 | 1707 | | |
| 14 | 76 | 77 | 77 | 71 | 51 | 44 | 31 | 27 | 35 | 44 | 40 | 48 | 57 | 52 | 52 | 55 | 55 | 52 | 55 | 69 | 64 | 66 | 65 | 61 | 55 | 19.3 | 73 | 25 | 7.1 | 48 | 1324 | | |
| 15 | 60 | 64 | 65 | 65 | 66 | 54 | 47 | 44 | 48 | 51 | 42 | 28 | 42 | 41 | 35 | 34 | 41 | 44 | 53 | 55 | 55 | 58 | 58 | 58 | 50 | 5.3 | 72 | 25 | 11.2 | 47 | 1208 | | |
| 16 | 59 | 57 | 56 | 61 | 62 | 58 | 51 | 47 | 49 | 57 | 62 | 61 | 59 | 53 | 46 | 50 | 59 | 62 | 61 | 61 | 63 | 64 | 63 | 64 | 53 | 21.2 | 66 | 44 | 14.3 | 22 | 1385 | | |
| 17 | 63 | 64 | 65 | 62 | 64 | 61 | 64 | 63 | 69 | 74 | 67 | 63 | 65 | 67 | 63 | 57 | 56 | 56 | 51 | 50 | 45 | 44 | 59 | 51 | 60 | 9.6 | 76 | 29 | 19.8 | 47 | 1443 | | |
| 18 | 50 | 53 | 51 | 51 | 43 | 34 | 35 | 33 | 39 | 45 | 52 | 54 | 53 | 47 | 50 | 50 | 52 | 53 | 63 | 60 | Δ | Δ | Δ | Δ | 43 | 18.0 | 74 | 33 | 5.7 | 41 | 968 | | |
| 19 | Δ | Δ | Δ | Δ | 61 | 60 | 56 | 54 | 59 | 64 | 65 | 59 | 54 | 53 | 56 | 58 | 60 | 61 | 61 | 62 | 61 | 60 | 61 | 62 | 59 | 10.0 | 66 | 53 | 7.7 | 13 | 1187 | | |
| 20 | 62 | 62 | 60 | 58 | 51 | 49 | 51 | 54 | 65 | 70 | 68 | 63 | 58 | 55 | 62 | 57 | 60 | 62 | 62 | 61 | 60 | 60 | 62 | 63 | 60 | 10.4 | 71 | 48 | 5.1 | 23 | 1435 | | |
| 21 | 65 | 64 | 64 | 64 | 63 | 61 | 59 | 64 | 71 | 77 | 77 | 71 | 66 | 63 | 62 | 62 | 63 | 64 | 65 | 64 | 66 | 66 | 64 | 63 | 65 | 10.2 | 80 | 60 | 6.1 | 20 | 1568 | | |
| 22 | 62 | 62 | 63 | 63 | 60 | 54 | 51 | 50 | 54 | 64 | 65 | 65 | 64 | 61 | 61 | 60 | 61 | 63 | 65 | 65 | 62 | 62 | 64 | 64 | 61 | 19.0 | 68 | 49 | 7.0 | 19 | 1465 | | |
| 23 | 64 | 66 | 65 | 64 | 63 | 55 | 55 | 59 | 62 | 71 | 87 | 75 | 73 | 71 | 71 | 71 | 70 | 71 | 71 | 71 | 80 | 80 | 78 | 77 | 69 | 20.3 | 80 | 54 | 6.0 | 26 | 1670 | | |
| 24 | 79 | 79 | 78 | 78 | 80 | 77 | 68 | 58 | 61 | 69 | 78 | 78 | 77 | 79 | 80 | 58 | 51 | 47 | 48 | 58 | 51 | 60 | 60 | 51 | 67 | 14.2 | 88 | 32 | 17.2 | 56 | 1603 | | |
| 25 | 65 | 66 | 66 | 69 | 68 | 69 | 62 | 60 | 64 | 64 | 64 | 64 | 64 | 64 | 63 | 62 | 60 | 64 | 68 | 68 | 68 | 67 | 67 | 67 | 65 | 5.8 | 72 | 53 | 7.3 | 19 | 1559 | | |
| 26 | 65 | 64 | 66 | 67 | 65 | 60 | 45 | 36 | 38 | 38 | 41 | 36 | 30 | 47 | 34 | 36 | 37 | 39 | 41 | 41 | 43 | 45 | 46 | 48 | 46 | 5.0 | 68 | 55 | 13.4 | 13 | 1108 | | |
| 27 | 48 | 46 | 46 | 46 | 46 | 41 | 41 | 32 | 31 | 37 | 41 | 39 | 38 | 40 | 41 | 44 | 43 | 40 | 47 | 59 | 59 | 66 | 46 | 53 | 45 | 20.9 | 71 | 27 | 7.5 | 44 | 1070 | | |
| 28 | 50 | 46 | 49 | 46 | 45 | 38 | 49 | 34 | 35 | 45 | 45 | 38 | 33 | 22 | 36 | 39 | 46 | 47 | 52 | 55 | 53 | 55 | 53 | 60 | 45 | 18.8 | 66 | 25 | 13.7 | 41 | 1071 | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее по всем дням | 63 | 62 | 62 | 62 | 52 | 55 | 53 | 52 | 57 | 62 | 64 | 64 | 58 | 56 | 57 | 57 | 57 | 58 | 59 | 60 | 58 | 60 | 59 | 61 | 58 | 58 | 74 | 42 | 32 | 1408 | | | |
| | 1703 | 1684 | 1680 | 1662 | 1633 | 1530 | 1478 | 1448 | 1585 | 1734 | 1782 | 1693 | 1633 | 1578 | 1585 | 1582 | 1582 | 1623 | 1652 | 1687 | 1633 | 1668 | 1664 | 1701 | 1633 | 2074 | 1189 | 885 | 39200 | | | | |

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

Обработал Синьковская Проверил _____

Ведомство АН. Каз. ССР
 Обсерватория Н-Казалинск
 Месяц март Год 1970

Широта 45°46' Долгота 62°07'

Среднемесячн. 6°40'10"

Элемент Скромности D
D 6°30'00"

80 0.162 Нм D 6°36'00"

| Время мировое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | Время | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-----|-------|---------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | max | max | min | max | min | Ампл. | | |
| 1 | 11.1 | 11.7 | 11.8 | 12.7 | 13.8 | 14.1 | 12.5 | 7.5 | 7.3 | 6.4 | 6.4 | 6.1 | 7.2 | 10.1 | 13.2 | 14.3 | 11.5 | 11.1 | 11.4 | 11.6 | 11.8 | 11.1 | 12.3 | 10.8 | 15.0 | 15.6 | 4.0 | 9.8 | 11.6 | 258.6 | |
| 2 | 11.6 | 10.9 | 10.6 | 11.7 | 13.2 | 10.2 | 10.1 | 7.2 | 6.0 | 6.5 | 6.5 | 9.3 | 9.4 | 9.6 | 10.0 | 10.5 | 9.6 | 10.7 | 10.2 | 9.9 | 10.1 | 10.3 | 10.4 | 9.6 | 9.7 | 6.7 | 13.7 | 5.0 | 8.2 | 8.7 | 234.1 |
| 3 | 10.0 | 10.5 | 10.7 | 11.8 | 12.5 | 13.2 | 11.7 | 9.1 | 7.0 | 6.4 | 6.4 | 7.2 | 8.3 | 9.4 | 10.4 | 9.8 | 10.6 | 11.3 | 10.9 | 12.2 | 12.5 | 9.8 | 10.4 | 10.4 | 10.1 | 5.2 | 13.6 | 6.1 | 10.6 | 7.5 | 242.5 |
| 4 | 10.3 | 10.3 | 9.5 | 11.7 | 13.3 | 13.7 | 12.7 | 9.9 | 6.1 | 6.5 | 6.4 | 9.8 | 11.5 | 10.9 | 12.9 | 11.4 | 11.2 | 12.9 | 14.4 | 14.0 | 12.9 | 12.4 | 11.9 | 9.4 | 11.1 | 18.4 | 14.6 | 5.6 | 9.0 | 9.0 | 266.0 |
| 5 | 10.5 | 11.1 | 11.1 | 12.4 | 14.2 | 14.5 | 12.5 | 9.3 | 5.3 | 6.2 | 6.3 | 6.1 | 6.9 | 7.2 | 7.0 | 7.0 | 8.1 | 9.3 | 13.7 | 14.0 | 13.2 | 14.8 | 12.6 | 13.1 | 10.3 | 18.1 | 16.6 | 3.4 | 8.6 | 13.2 | 246.4 |
| 6 | 11.3 | 11.1 | 9.8 | 10.6 | 11.9 | 11.9 | 11.0 | 9.7 | 7.4 | 7.2 | 9.1 | 9.0 | 9.4 | 10.6 | 11.0 | 11.5 | 12.3 | 12.7 | 14.2 | 13.7 | 19.3 | 13.8 | 12.8 | 7.6 | 11.2 | 20.6 | 21.0 | 6.4 | 9.0 | 14.6 | 268.9 |
| 7 | 8.6 | 10.7 | 12.2 | 11.7 | 13.0 | 14.8 | 13.7 | 12.0 | 9.8 | 6.8 | 6.4 | 6.1 | 9.5 | 9.5 | 13.7 | 15.9 | 12.3 | 12.7 | 13.5 | 16.4 | 11.2 | 10.6 | 10.7 | 7.7 | 11.2 | 19.3 | 18.4 | 5.2 | 9.5 | 13.2 | 269.5 |
| 8 | 10.2 | 10.0 | 9.8 | 8.9 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 9.7 | 0.6 | 11.1 | 8.2 | 3.7 | 2.9 | 38.9 | |
| 9 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| 10 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 12.5 | 9.6 | 8.4 | 7.7 | 9.2 | 9.9 | 10.6 | 10.8 | 11.1 | 12.0 | 11.7 | 12.7 | 12.5 | 11.6 | 11.6 | 12.7 | 10.7 | 10.9 | 6.8 | 15.1 | 7.3 | 10.4 | 7.8 | 185.3 |
| 11 | 10.8 | 10.8 | 10.8 | 11.7 | Δ | Δ | Δ | 13.3 | 10.4 | 8.7 | 8.4 | 8.5 | 9.3 | 10.5 | 11.4 | 11.3 | 11.6 | 11.4 | 11.0 | 10.7 | 11.1 | 10.9 | 10.6 | 10.7 | 10.7 | 7.5 | 13.8 | 8.2 | 11.1 | 5.6 | 223.9 |
| 12 | 10.3 | 10.4 | 10.9 | 11.9 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 10.9 | 4.0 | 12.5 | 10.0 | 1.1 | 2.5 | 43.5 | |
| 13 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 8.4 | Δ | 3.6 | 3.1 | 4.6 | 6.2 | 7.1 | 6.9 | 6.1 | 6.2 | 6.3 | 6.3 | 6.6 | 6.8 | 6.2 | 6.5 | 6.6 | 6.1 | 8.0 | 9.8 | 2.8 | 10.1 | 7.0 | 91.2 |
| 14 | 6.6 | 6.1 | 6.5 | 7.7 | 10.2 | 11.1 | 9.5 | 6.9 | 5.3 | 4.0 | 3.3 | 3.5 | 4.3 | 4.9 | 5.3 | 5.6 | 5.7 | 6.0 | 6.2 | 6.4 | 6.4 | 6.2 | 6.3 | 6.2 | 6.2 | 4.4 | 11.1 | 3.1 | 10.2 | 8.0 | 150.2 |
| 15 | 6.1 | 5.6 | 5.9 | 6.9 | 9.3 | 10.0 | 8.7 | 6.5 | 4.9 | 2.8 | 3.0 | 3.6 | 3.2 | 6.3 | 6.6 | 7.6 | 6.1 | 5.9 | 6.1 | 6.5 | 6.1 | 6.3 | 6.2 | 6.4 | 6.1 | 5.6 | 10.1 | 2.0 | 10.1 | 8.1 | 146.6 |
| 16 | 6.5 | 6.1 | 6.9 | 8.5 | 9.8 | 9.5 | 7.7 | 5.7 | 3.1 | 2.2 | 2.2 | 3.6 | 5.1 | 5.9 | 6.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.8 | 5.9 | 6.1 | 6.1 | 5.9 | 4.5 | 9.9 | 2.0 | 10.1 | 7.9 | 140.9 |
| 17 | 6.1 | 6.5 | 6.9 | 9.0 | 10.7 | 11.6 | 9.2 | 4.5 | 3.0 | 1.5 | 2.0 | 3.5 | 4.7 | 5.2 | 5.3 | 5.0 | 5.7 | 6.3 | 6.6 | 6.1 | 5.8 | 5.4 | 5.0 | 4.9 | 5.8 | 5.6 | 11.8 | 1.3 | 9.6 | 10.5 | 140.5 |
| 18 | 5.1 | 5.7 | 6.4 | 8.6 | 11.1 | 11.4 | 9.4 | 6.1 | 3.1 | 0.6 | 1.0 | 2.8 | 4.8 | 5.4 | 5.5 | 6.1 | 5.8 | 6.5 | 6.2 | 6.4 | 5.7 | 4.9 | 3.6 | 5.1 | 5.7 | 5.2 | 11.7 | 0.2 | 9.5 | 11.5 | 137.3 |
| 19 | 5.7 | 6.1 | 6.5 | 9.3 | Δ | Δ | Δ | 10.3 | 6.7 | 5.7 | 6.4 | 8.5 | 10.5 | 11.2 | 10.6 | 10.6 | 11.0 | 11.1 | 11.0 | 11.1 | 11.1 | 11.0 | 11.6 | 11.1 | 9.4 | 7.5 | 15.0 | 5.4 | 9.7 | 9.6 | 197.1 |
| 20 | 11.2 | 11.8 | 13.1 | 15.3 | 17.1 | 17.1 | 14.4 | 10.1 | 7.8 | 6.9 | 6.9 | 8.5 | 10.1 | 10.4 | 11.3 | 11.1 | 11.2 | 11.4 | 11.9 | 12.8 | 11.9 | 11.3 | 10.3 | 10.4 | 11.4 | 5.2 | 17.6 | 6.7 | 10.6 | 10.9 | 274.3 |
| 21 | 10.6 | 11.5 | 12.4 | 14.5 | 17.2 | Δ | Δ | Δ | 7.7 | 6.5 | 6.7 | 8.2 | 10.3 | 11.4 | 11.6 | 12.2 | 12.9 | 12.6 | 12.4 | 12.0 | 11.9 | 11.6 | 11.2 | 11.1 | 11.3 | 5.0 | 18.4 | 6.4 | 10.2 | 12.0 | 236.5 |
| 22 | 11.1 | 11.3 | 11.1 | 15.0 | 17.3 | 17.9 | 15.2 | 10.6 | 7.3 | 6.5 | 6.5 | 8.3 | 10.4 | 11.5 | 11.3 | 11.1 | 11.4 | 11.4 | 11.6 | 11.5 | 11.4 | 11.3 | 11.2 | 11.1 | 11.4 | 5.2 | 18.2 | 6.3 | 9.5 | 11.9 | 273.3 |
| 23 | 11.1 | 11.7 | 13.2 | 15.4 | 17.9 | 18.5 | 16.6 | 12.5 | 9.6 | 7.8 | 7.7 | 8.9 | 10.8 | 11.3 | 10.8 | 11.1 | 11.5 | 11.6 | 11.7 | 12.0 | 11.6 | 11.7 | 11.6 | 11.5 | 12.0 | 5.6 | 18.7 | 7.2 | 10.1 | 11.5 | 288.1 |
| 24 | 11.7 | 12.4 | 14.1 | 16.6 | 19.3 | 19.2 | 16.1 | 11.9 | 7.4 | 5.6 | 5.8 | 7.2 | 9.6 | 10.6 | 10.3 | 10.3 | 10.7 | 11.0 | 11.2 | 11.3 | 11.2 | 11.6 | 11.5 | 11.4 | 11.6 | 5.1 | 20.0 | 5.0 | 9.6 | 15.0 | 278.0 |
| 25 | 11.6 | 12.4 | Δ | Δ | 18.7 | 18.5 | 15.8 | 11.9 | 8.5 | 6.2 | 6.5 | 7.7 | 9.5 | 11.2 | 11.1 | 11.1 | 11.1 | 11.1 | 11.3 | 11.2 | 11.5 | 11.5 | 11.2 | 11.2 | 11.4 | 4.9 | 19.2 | 6.2 | 10.3 | 13.0 | 250.8 |
| 26 | 11.4 | 12.0 | 13.7 | 15.4 | 18.0 | 18.6 | 16.7 | 12.1 | 8.5 | 6.5 | 6.0 | 7.1 | 9.0 | 10.2 | 10.3 | 11.5 | 12.0 | 11.6 | 11.9 | 11.9 | 11.8 | 11.9 | 11.9 | 11.9 | 11.7 | 5.4 | 19.1 | 5.8 | 10.2 | 13.3 | 281.9 |
| 27 | 11.9 | 12.2 | 13.0 | 15.1 | 17.0 | 17.2 | 15.3 | 9.9 | 5.4 | 4.4 | 5.4 | 4.5 | 6.1 | 8.5 | 9.1 | 10.3 | 10.9 | 11.2 | 13.2 | 13.7 | 13.3 | 11.9 | 10.6 | 12.5 | 10.9 | 5.3 | 17.6 | 2.9 | 10.0 | 14.7 | 262.6 |
| 28 | 13.4 | 13.5 | 13.8 | 14.1 | 15.1 | 16.4 | 14.3 | 10.9 | 7.8 | 6.8 | 8.1 | 13.3 | 11.2 | 12.7 | 13.7 | 15.0 | 15.5 | 14.2 | 13.2 | 12.8 | 13.5 | 13.0 | 11.4 | 11.2 | 12.7 | 15.7 | 17.6 | 6.1 | 9.4 | 11.5 | 304.9 |
| 29 | 12.4 | 13.7 | 15.4 | 16.5 | 16.9 | 17.6 | 16.0 | 13.2 | 10.1 | 7.7 | 7.3 | 8.8 | 11.5 | 12.3 | 13.4 | 15.8 | 14.2 | 15.3 | 13.7 | 16.6 | 13.2 | 13.4 | 13.3 | 13.9 | 13.4 | 5.5 | 17.9 | 6.7 | 10.1 | 11.2 | 322.2 |
| 31 | 11.3 | 13.5 | 14.9 | 17.1 | 19.2 | 19.1 | 16.8 | 13.3 | 11.1 | 7.3 | 6.3 | 7.0 | 9.0 | 11.0 | 11.6 | 11.9 | 15.1 | 13.2 | 12.4 | Δ | Δ | Δ | Δ | Δ | 12.7 | 5.1 | 20.1 | 6.1 | 10.4 | 14.0 | 241.1 |
| 31 | Δ | Δ | Δ | Δ | Δ | Δ | 13.0 | 12.7 | 8.3 | 4.9 | 4.0 | 7.7 | 6.4 | 7.3 | 15.0 | 14.8 | 11.0 | 13.5 | 13.0 | Δ | Δ | Δ | Δ | Δ | 10.1 | 15.3 | 22.2 | 2.0 | 10.5 | 20.2 | 131.6 |
| Среднее по всем дням | 9.9 | 10.3 | 10.8 | 12.3 | 14.6 | 14.8 | 13.0 | 10.0 | 7.2 | 5.8 | 5.8 | 7.0 | 8.3 | 9.3 | 10.2 | 10.6 | 10.4 | 10.7 | 11.0 | 11.1 | 10.9 | 10.4 | 10.1 | 9.8 | 10.1 | 15.7 | 5.1 | | 10.6 | 244.3 | |
| | 268.5 | 279.6 | 281.0 | 320.1 | 336.7 | 326.1 | 298.9 | 259.6 | 202.9 | 157.0 | 162.3 | 197.1 | 232.5 | 241.9 | 286.6 | 296.2 | 292.6 | 299.5 | 307.6 | 289.6 | 282.5 | 271.1 | 262.7 | 254.1 | 302.4 | 472.0 | 153.6 | | 318.4 | 642.6.7 | |

Условные обозначения: Δ - погасла лампа; > или < - запись вышла за бумагу; — - осталась запись; Δ - запись по причинам отсутствия записей. Величины, взятые приблизительно с магнитограммы - ()

Обработал Средина

Проверил _____

Ведомство **АН. Каз. ССР**
 Обсерватория **Н-Казалинск**
 Месяц **март** Год **1970**

Широта **45°46'** Долгота **62°07'**

Среднемесячн. **22675 Нм**

Элемент **Горизонтальная составляющая Н''**
 $H_1 = 22630 \text{ Нм} +$ $B_m = 1.06 \text{ Нм}$ $H_0 = 22651 \text{ Нм}$

| Время мировое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время max | | max min | | Время min | | Ампл | |
|-------------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|--------------|------|---------|-----|--------------|------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | max | min | max | min | max | min | | |
| 1 | 63 | 55 | 56 | 55 | 49 | 48 | 31 | 31 | 16 | 9 | 9 | 30 | 32 | 26 | 13 | -9 | 26 | 34 | 37 | 38 | 42 | 44 | 46 | 45 | 33 | 5.1 | 51 | 27 | 14.9 | 78 | 800 |
| 2 | 42 | 43 | 49 | 45 | 38 | 28 | 24 | 20 | 15 | 23 | 32 | 49 | 49 | 51 | 50 | 51 | 51 | 59 | 55 | 55 | 57 | 56 | 55 | 59 | 44 | 17.8 | 69 | 30 | 9.3 | 39 | 1056 |
| 3 | 60 | 56 | 58 | 61 | 61 | 51 | 43 | 46 | 40 | 46 | 59 | 61 | 60 | 52 | 54 | 54 | 50 | 71 | 64 | 62 | 54 | 61 | 54 | 47 | 55 | 18.1 | 91 | 30 | 8.8 | 61 | 1325 |
| 4 | 49 | 50 | 55 | 58 | 54 | 53 | 37 | 25 | 30 | 32 | 46 | 46 | 37 | 26 | 34 | 27 | 48 | 42 | 31 | 30 | 34 | 44 | 40 | 47 | 40 | 16.7 | 71 | 16 | 15.8 | 55 | 975 |
| 5 | 49 | 49 | 49 | 48 | 40 | 35 | 32 | 29 | 45 | 43 | 53 | 61 | 65 | 64 | 66 | 62 | 60 | 50 | 78 | 34 | 46 | 45 | 44 | 45 | 50 | 18.3 | 88 | 27 | 7.9 | 61 | 1192 |
| 6 | 42 | 47 | 54 | 57 | 48 | 47 | 42 | 32 | 23 | 23 | 23 | 45 | 42 | 40 | 36 | 35 | 39 | 45 | 36 | 34 | 42 | 43 | 54 | 44 | 40 | 22.5 | 66 | 30 | 10.7 | 36 | 973 |
| 7 | 46 | 47 | 32 | 42 | 28 | 24 | 19 | 12 | 2 | 5 | -2 | 3 | 17 | 26 | 41 | 41 | 28 | 41 | 44 | 1 | 53 | 46 | 53 | 49 | 29 | 20.2 | 84 | 46 | 10.2 | 38 | 698 |
| 8 | 58 | 51 | 47 | 54 | 39 | 19 | 7 | -8 | -12 | -25 | -35 | -25 | -3 | 29 | 63 | -5 | -21 | -9 | -35 | 11 | Δ | Δ | Δ | Δ | 10 | 14.5 | 131 | -46 | 10.9 | 177 | 200 |
| 9 | Δ | Δ | Δ | Δ | -60 | -57 | -64 | -77 | -76 | -67 | -61 | -52 | -49 | -40 | -27 | -18 | -12 | 9 | -18 | -11 | -7 | -5 | -1 | 1 | -34 | 17.3 | 36 | -79 | 8.3 | 115 | -692 |
| 10 | 10 | 9 | 16 | 11 | 7 | -1 | -9 | -14 | -14 | -3 | 9 | 16 | 41 | 19 | 19 | 19 | 20 | 26 | 23 | 23 | 32 | 22 | 0 | 0 | 12 | 20.1 | 37 | -58 | 7.9 | 95 | 281 |
| 11 | 26 | 28 | 31 | 33 | 32 | 25 | 14 | 11 | 12 | 19 | 23 | 26 | 27 | 27 | 26 | 25 | 27 | 31 | 32 | 34 | 35 | 34 | 33 | 32 | 27 | 20.7 | 37 | 31 | 8.1 | 6 | 643 |
| 12 | 33 | 35 | 38 | 41 | 41 | 37 | 31 | 19 | 14 | 15 | 11 | 15 | 24 | 33 | 37 | 37 | 41 | 43 | 45 | 45 | 46 | 47 | 46 | 46 | 34 | 21.8 | 48 | 7 | 10.3 | 41 | 820 |
| 13 | 46 | 47 | 49 | 51 | 48 | 44 | 32 | 28 | 32 | 37 | 30 | 41 | 45 | 34 | 26 | 23 | 31 | 41 | 42 | 42 | 44 | 41 | 42 | 42 | 39 | 12.1 | 48 | 25 | 10.8 | 23 | 938 |
| 14 | 43 | 43 | 48 | 49 | 47 | 34 | 28 | 34 | 41 | 44 | 44 | 44 | 43 | 43 | 44 | 45 | 48 | 47 | 49 | 48 | 47 | 47 | 47 | 47 | 44 | 16.2 | 50 | 28 | 6.6 | 22 | 1054 |
| 15 | 47 | 48 | 51 | 54 | 46 | 32 | 25 | 28 | 30 | 26 | 36 | 43 | 50 | 46 | 41 | 42 | 45 | 48 | 48 | 50 | 47 | 45 | 48 | 46 | 42 | 4.0 | 54 | 23 | 7.0 | 31 | 1022 |
| 16 | 47 | 48 | 49 | 50 | 46 | 37 | 33 | 32 | 36 | 40 | 43 | 49 | 52 | 51 | 52 | 53 | 54 | 57 | 59 | 59 | 61 | 61 | 62 | 61 | 50 | 22.1 | 63 | 31 | 7.5 | 32 | 1192 |
| 17 | 62 | 64 | 66 | 68 | 63 | 50 | 44 | 48 | 55 | 64 | 68 | 68 | 63 | 55 | 54 | 60 | 53 | 60 | 66 | 63 | 58 | 59 | 57 | 55 | 60 | 11.4 | 70 | 43 | 6.7 | 27 | 1423 |
| 18 | 54 | 59 | 61 | 60 | 49 | 39 | 31 | 32 | 41 | 47 | 42 | 35 | 36 | 41 | 46 | 50 | 53 | 52 | 53 | 51 | 52 | 53 | 60 | 55 | 48 | 22.7 | 63 | 29 | 6.8 | 34 | 1152 |
| 19 | 50 | 49 | 51 | 49 | Δ | 27 | 30 | 31 | Δ | 58 | 65 | 65 | 63 | 61 | 62 | 64 | 63 | 64 | 67 | 68 | 65 | 69 | 59 | 60 | 54 | 21.5 | 74 | 26 | 6.7 | 48 | 1240 |
| 20 | 63 | 65 | 64 | 63 | 54 | 43 | 37 | 43 | 50 | 59 | 64 | 64 | 61 | 59 | 59 | 60 | 63 | 65 | 62 | 71 | 66 | 63 | 68 | 67 | 60 | 19.5 | 75 | 36 | 6.3 | 39 | 1433 |
| 21 | 65 | 64 | 65 | 66 | 61 | 53 | Δ | 49 | 47 | 53 | 63 | 68 | 67 | 65 | 63 | 61 | 62 | 64 | 64 | 67 | 68 | 70 | 70 | 70 | 60 | 23.0 | 71 | 42 | 7.8 | 29 | 1445 |
| 22 | 70 | 74 | 76 | 78 | 71 | 61 | 52 | 49 | 54 | 66 | 70 | 70 | 70 | 68 | 66 | 66 | 68 | 69 | 70 | 74 | 74 | 73 | 75 | 75 | 68 | 22.4 | 76 | 46 | 7.8 | 30 | 1639 |
| 23 | 75 | 75 | 75 | 77 | 73 | 63 | 58 | 54 | 48 | 54 | 65 | 76 | 69 | 64 | 62 | 66 | 65 | 68 | 70 | 66 | 67 | 65 | 68 | 69 | 66 | 11.6 | 77 | 45 | 8.2 | 32 | 1592 |
| 24 | 69 | 68 | 70 | 67 | 60 | 43 | 32 | 39 | 47 | 59 | 70 | 76 | 76 | 75 | 74 | 77 | 76 | 77 | 77 | 80 | 82 | 80 | 76 | 76 | 68 | 20.7 | 85 | 31 | 6.7 | 54 | 1626 |
| 25 | 77 | 76 | 58 | Δ | 58 | 44 | 42 | 48 | 54 | 61 | 69 | 75 | 74 | 72 | 70 | 72 | 75 | 77 | 76 | 78 | 78 | 76 | 75 | 75 | 68 | 19.1 | 79 | 40 | 6.5 | 39 | 1560 |
| 26 | 77 | 74 | 70 | 70 | 60 | 47 | 39 | 44 | 51 | 60 | 69 | 72 | 74 | 75 | 77 | 75 | 76 | 74 | 74 | 74 | 72 | 72 | 71 | 71 | 67 | 14.5 | 78 | 35 | 6.7 | 43 | 1618 |
| 27 | 71 | 74 | 74 | 73 | 69 | 63 | 64 | 103 | 117 | 110 | 96 | 98 | 92 | 81 | 75 | 66 | 67 | 74 | 82 | 77 | 69 | 65 | 83 | 68 | 80 | 8.9 | 135 | 60 | 6.0 | 75 | 1911 |
| 28 | 57 | 59 | 59 | 53 | 53 | 40 | 41 | 46 | 53 | 47 | 31 | 28 | 0 | 16 | 12 | 0 | 36 | 41 | 45 | 65 | 64 | 57 | 60 | 63 | 43 | 19.7 | 65 | 36 | 15.5 | 29 | 1026 |
| 29 | 50 | 54 | 45 | 41 | 34 | 32 | 30 | 24 | 33 | 42 | 42 | 37 | 29 | 37 | 40 | 38 | 37 | 36 | 44 | 51 | 53 | 49 | 51 | 53 | 41 | 20.0 | 60 | 20 | 7.3 | 40 | 982 |
| 31 | 66 | 54 | 57 | 55 | 35 | 00 | 17 | 26 | 0 | 41 | 39 | 25 | 26 | 27 | 43 | 51 | 42 | 47 | 52 | Δ | Δ | Δ | Δ | Δ | 37 | 18.3 | 54 | 11 | 12.7 | 43 | 703 |
| 31 | Δ | Δ | Δ | Δ | Δ | 62 | 1 | 0 | 5 | 16 | 5 | 31 | 31 | -17 | 25 | 36 | 46 | 40 | 40 | Δ | Δ | Δ | Δ | Δ | 22 | 17.0 | 75 | -48 | 14.8 | 123 | 281 |
| Среднее по всем дням | 54 | 54 | 54 | 53 | 45 | 35 | 29 | 32 | 28 | 35 | 38 | 42 | 44 | 44 | 43 | 42 | 45 | 50 | 49 | 50 | 52 | 51 | 52 | 51 | 45 | 1357 | 71 | 19 | 52 | 1072 | |
| | 1567 | 1556 | 1573 | 1579 | 1304 | 1061 | 904 | 885 | 884 | 1093 | 1189 | 1314 | 1363 | 1354 | 1335 | 1313 | 1407 | 1549 | 1532 | 1440 | 1501 | 1482 | 1496 | 1468 | 1357 | 2161 | 566 | | 1595 | 32099 | |

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

Обработал **Сильковская** Проверил _____

Среднемесячн. $6^{\circ}43' = 30''$

Ведомство АН. Каз. ССР
Обсерватория Н-Казанский
Месяц апрель Год 1970

Широта $45^{\circ}46'$ Долгота $62^{\circ}07'$

Элемент Склонение τ
 $\tau = 6^{\circ}30'00''$

$\delta \tau = 0.165 \text{ на } \tau$ $6^{\circ}36'01''$

| Время мировое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | | | | | | | | |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------|-------|-------|--------|-------|-------|-------|-------|-------|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | Мак | Мак | Мин | Мин | Ямп. | | | | | | |
| 1 | Δ | Δ | Δ | Δ | 19.0 | 19.0 | Δ | Δ | Δ | 9.9 | 9.5 | 10.3 | 11.7 | 13.1 | 13.4 | 13.4 | 13.2 | 13.4 | Δ | Δ | Δ | Δ | 13.3 | 5.0 | 19.7 | 9.3 | 10.5 | 10.4 | 159.3 | | | | | |
| 2 | Δ | Δ | Δ | Δ | 19.7 | 19.9 | 16.4 | 12.1 | 8.5 | 6.5 | 6.5 | 8.0 | 10.6 | 13.1 | 14.1 | 13.8 | 12.9 | 12.7 | 13.1 | 13.1 | 12.8 | 12.4 | 11.8 | 11.7 | 12.5 | 5.2 | 20.3 | 6.5 | 10.0 | 13.8 | 249.7 | | | |
| 3 | 12.8 | 13.6 | 15.1 | 19.1 | 21.3 | 21.2 | 22.1 | 18.8 | 10.0 | 8.0 | 8.7 | 9.8 | 10.3 | 13.5 | 12.3 | 12.4 | 13.1 | 13.0 | 12.8 | 12.3 | 12.8 | 12.4 | 12.3 | 13.8 | 5.0 | 22.0 | 6.8 | 9.5 | 15.2 | 330.5 | | | | |
| 4 | 12.4 | 12.9 | 12.7 | 16.4 | 19.2 | 18.9 | 16.8 | 13.8 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 15.4 | 4.8 | 19.6 | 10.6 | 8.3 | 9.0 | 123.1 | | | | | |
| 5 | Δ | Δ | Δ | Δ | 19.1 | 19.4 | 17.4 | 13.4 | 9.3 | 6.8 | Δ | Δ | Δ | 10.4 | 11.4 | 11.3 | 12.2 | 12.1 | 12.0 | 12.3 | 12.8 | Δ | Δ | 12.8 | 5.1 | 19.7 | 6.3 | 9.8 | 13.4 | 179.9 | | | | |
| 6 | Δ | Δ | Δ | Δ | 17.7 | 18.3 | 16.9 | 9.7 | 9.8 | 8.4 | 11.8 | 13.1 | 13.2 | 14.9 | 15.6 | 16.3 | 15.4 | 15.1 | 12.9 | 13.1 | 11.4 | 12.3 | 11.3 | 13.6 | 13.5 | 6.1 | 19.4 | 7.0 | 9.8 | 12.4 | 270.8 | | | |
| 7 | 13.9 | 13.6 | 14.9 | 16.7 | 17.8 | 17.4 | 14.3 | 11.0 | 8.0 | 6.4 | 6.3 | 8.5 | 10.8 | 12.3 | 11.8 | 11.8 | 12.3 | 12.6 | 13.1 | 13.0 | 13.1 | 13.0 | 12.9 | 12.6 | 12.4 | 4.9 | 18.3 | 6.1 | 9.9 | 12.2 | 298.1 | | | |
| 8 | 10.8 | 12.8 | 15.0 | 17.7 | 19.2 | 19.4 | 17.4 | 12.8 | 8.4 | 6.6 | 7.5 | 8.5 | 10.8 | 13.3 | 12.4 | 12.8 | 13.0 | 12.9 | 12.8 | 12.7 | 12.9 | 12.3 | 12.0 | 12.8 | 12.8 | 5.6 | 19.5 | 6.4 | 9.5 | 13.1 | 306.8 | | | |
| 9 | 13.4 | Δ | Δ | Δ | 20.3 | 20.3 | 17.6 | 13.0 | 9.1 | 7.2 | 7.4 | 9.8 | 13.4 | 16.6 | 12.4 | 11.4 | 11.9 | 12.3 | 12.7 | 12.8 | 12.9 | 12.3 | 12.8 | 13.8 | 13.0 | 4.7 | 21.2 | 6.6 | 9.9 | 14.6 | 273.4 | | | |
| 10 | 13.7 | 15.1 | 16.8 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 7.0 | 8.0 | 9.5 | 10.8 | 11.2 | 10.9 | 11.4 | 11.6 | 11.8 | 12.3 | 12.6 | 12.4 | 12.0 | 12.8 | 11.7 | 23.8 | 13.4 | 6.6 | 10.2 | 6.8 | 199.9 | | | |
| 11 | 13.3 | 14.2 | 15.3 | 17.4 | 19.3 | 18.7 | 15.8 | 12.2 | 8.4 | 6.6 | 7.4 | 10.3 | 11.1 | 12.6 | 13.2 | 12.3 | 12.3 | 12.6 | 13.6 | 13.1 | 12.8 | 12.9 | 13.1 | 13.0 | 4.5 | 19.7 | 6.2 | 9.2 | 13.5 | 311.3 | | | | |
| 12 | 13.6 | 14.9 | 16.4 | 17.8 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 15.7 | 4.0 | 18.6 | 13.2 | 0.1 | 5.4 | 62.7 | | | | |
| 13 | Δ | Δ | Δ | Δ | 17.8 | 17.0 | 14.5 | 9.8 | 6.3 | Δ | 6.4 | 7.7 | 10.6 | 11.8 | 11.8 | 11.3 | 11.4 | 11.6 | 11.9 | 12.1 | 12.4 | 12.6 | 12.6 | 12.6 | 11.7 | 4.5 | 18.0 | 7.7 | 9.2 | 10.3 | 222.2 | | | |
| 14 | 12.4 | 12.4 | 15.6 | 17.9 | 19.4 | 18.4 | 15.1 | 11.0 | 6.4 | 5.0 | 6.1 | 7.6 | 9.9 | 11.7 | 11.9 | 11.6 | 11.9 | 12.3 | 12.4 | 12.4 | 12.4 | 11.8 | 12.1 | 12.1 | 4.6 | 19.4 | 4.8 | 9.5 | 14.6 | 290.3 | | | | |
| 15 | 12.4 | 13.4 | 15.1 | 17.3 | 19.6 | 16.1 | 12.8 | 9.8 | Δ | Δ | Δ | Δ | 10.1 | 11.3 | 11.5 | 11.6 | 13.5 | 14.1 | 16.1 | 14.5 | 14.9 | 14.7 | 14.8 | 13.9 | 4.4 | 12.0 | 8.0 | 8.2 | 4.0 | 278.6 | | | | |
| 16 | 16.8 | 15.1 | 16.6 | 19.0 | 18.4 | 16.5 | 14.1 | 14.1 | 12.2 | 7.9 | 7.1 | 8.1 | 9.8 | 11.4 | 11.8 | 11.9 | 11.9 | 12.3 | 12.9 | 12.3 | 15.6 | 15.4 | 16.7 | 16.1 | 13.5 | 4.7 | 19.0 | 6.5 | 9.0 | 12.5 | 324.0 | | | |
| 17 | 16.4 | 16.8 | 15.4 | 19.7 | 17.2 | 17.6 | 16.1 | 12.0 | 8.5 | 8.4 | 8.7 | 9.5 | 10.1 | 15.0 | 16.0 | 14.1 | 14.0 | 13.6 | 14.6 | 15.1 | 15.7 | 13.7 | 15.6 | 14.9 | 14.1 | 5.0 | 18.0 | 7.3 | 9.0 | 10.7 | 338.7 | | | |
| 18 | 14.8 | 14.8 | 16.7 | 18.0 | 18.9 | 17.4 | 14.9 | 11.4 | 7.1 | 6.3 | 6.2 | 9.9 | 13.1 | 10.4 | 10.2 | 14.1 | 13.0 | 13.1 | 13.1 | 13.1 | 13.6 | 13.7 | 9.6 | 12.1 | 12.7 | 4.4 | 19.1 | 5.6 | 10.4 | 13.5 | 305.5 | | | |
| 19 | 13.7 | 14.0 | 14.6 | 16.1 | 16.9 | 16.9 | 15.8 | 11.1 | 8.5 | 9.8 | 9.5 | 11.3 | 12.3 | 12.3 | 12.6 | 12.3 | 13.4 | 14.3 | 14.1 | 13.2 | 13.2 | 12.6 | 13.3 | 13.3 | 13.1 | 5.0 | 17.7 | 8.0 | 8.0 | 9.7 | 315.1 | | | |
| 20 | 14.1 | 15.2 | 16.9 | 18.6 | 19.1 | 17.1 | 14.3 | 10.7 | 7.3 | 6.7 | 8.4 | 9.0 | Δ | Δ | 11.6 | 13.5 | 15.5 | 16.2 | Δ | 12.6 | 12.3 | 13.4 | 12.3 | 12.7 | 13.2 | 4.6 | 19.4 | 6.2 | 9.0 | 13.2 | 277.5 | | | |
| 21 | 12.9 | 13.4 | 15.6 | 18.1 | 17.4 | 14.6 | Δ | 11.0 | 9.5 | 9.9 | 11.4 | 14.7 | 17.7 | 19.9 | 19.4 | 20.9 | 20.5 | 20.4 | 23.5 | 23.2 | 16.6 | 22.1 | 21.6 | 19.7 | 17.1 | 16.0 | 25.8 | 9.0 | 11.1 | 16.8 | 394.0 | | | |
| 22 | 19.8 | 19.4 | 19.7 | 25.1 | 23.5 | 15.5 | 12.9 | 11.4 | 8.9 | 8.6 | 8.9 | 8.5 | 11.8 | 12.8 | 13.9 | 13.7 | 14.9 | 14.6 | 14.1 | 14.2 | 14.6 | 14.9 | 15.2 | 15.6 | 14.7 | 5.3 | 26.0 | 7.8 | 9.2 | 18.2 | 352.5 | | | |
| 23 | 16.3 | 17.6 | 18.4 | 19.3 | 20.7 | 19.9 | 16.1 | 11.1 | 11.3 | 6.6 | 8.0 | 9.1 | 10.9 | 14.1 | 14.4 | 14.4 | 14.4 | 15.0 | 15.0 | 15.7 | 15.7 | 15.3 | 14.5 | 13.9 | 14.5 | 4.7 | 21.2 | 6.3 | 9.2 | 14.9 | 347.7 | | | |
| 24 | 15.4 | 17.2 | 18.4 | 20.6 | 22.0 | 19.7 | 15.1 | 10.0 | Δ | Δ | 6.6 | 7.9 | 11.0 | 12.3 | 13.4 | 14.8 | 15.1 | 14.6 | 14.8 | 13.9 | 13.7 | 12.8 | 13.3 | 12.6 | 14.4 | 4.9 | 22.3 | 6.4 | 10.4 | 15.9 | 316.2 | | | |
| 25 | 13.2 | 13.2 | 16.1 | 19.1 | 20.5 | 18.5 | 16.0 | 10.8 | 7.3 | 6.0 | 6.4 | 8.0 | 10.4 | 12.0 | 13.1 | 13.9 | 13.0 | 13.1 | 13.1 | 14.8 | 15.4 | 13.4 | 14.1 | 14.6 | 13.2 | 4.4 | 21.0 | 5.3 | 10.0 | 15.7 | 316.0 | | | |
| 26 | 14.1 | 15.1 | 17.7 | 19.5 | 21.7 | 21.2 | 17.7 | 13.0 | 8.5 | 6.2 | 6.2 | 7.2 | 9.5 | 12.4 | 12.9 | 12.6 | 12.6 | 13.6 | 14.3 | 15.4 | 16.6 | 15.3 | 14.7 | 13.6 | 13.8 | 4.9 | 22.2 | 6.4 | 10.2 | 15.8 | 331.6 | | | |
| 27 | 12.1 | 14.1 | 16.7 | 18.7 | 20.2 | 19.7 | 15.3 | 11.7 | 8.5 | 6.2 | 6.2 | 8.2 | 10.1 | 12.2 | 12.9 | 12.8 | 12.8 | 13.1 | 14.1 | 14.2 | 13.1 | 13.0 | 13.4 | 13.2 | 13.0 | 4.9 | 20.6 | 6.4 | 10.0 | 14.2 | 312.5 | | | |
| 28 | 13.6 | 13.9 | 15.4 | 17.7 | 19.3 | 17.3 | 12.4 | 8.1 | 6.2 | 6.4 | 5.6 | 7.6 | 9.5 | 11.6 | 12.3 | 12.4 | 12.4 | 12.9 | 13.2 | 13.3 | 13.3 | 13.2 | 13.7 | 13.8 | 12.3 | 4.6 | 19.4 | 5.3 | 9.1 | 14.1 | 295.1 | | | |
| 29 | Δ | Δ | 16.1 | 17.2 | 18.0 | 16.7 | 13.7 | 11.1 | 8.3 | 7.6 | 7.5 | 7.9 | 9.6 | 11.5 | 12.0 | 12.3 | 12.7 | 13.2 | 13.6 | 13.9 | 13.6 | 13.4 | 13.1 | 14.3 | 12.6 | 4.4 | 18.3 | 7.3 | 11.1 | 11.0 | 277.3 | | | |
| 30 | 14.6 | 16.3 | 15.9 | 18.6 | 18.2 | 16.4 | 13.6 | 10.1 | 6.8 | 7.0 | 7.8 | 9.4 | 9.8 | 11.4 | 12.5 | 15.2 | 15.7 | 14.2 | 13.9 | 12.7 | 12.3 | 12.6 | 12.3 | 13.7 | 12.9 | 4.1 | 19.4 | 5.6 | 8.8 | 13.8 | 311.0 | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее по всем дням | 14.0 | 14.7 | 16.1 | 18.5 | 19.3 | 18.2 | 15.6 | 11.7 | 8.5 | 7.3 | 7.6 | 9.1 | 11.1 | 12.8 | 12.9 | 13.2 | 13.4 | 13.6 | 13.8 | 13.7 | 13.7 | 13.6 | 13.5 | 13.7 | 13.3 | 4.02.7 | 19.6 | 7.0 | 12.6 | 319.6 | | | | |
| | 336.5 | 339.0 | 387.1 | 425.6 | 541.4 | 509.0 | 405.1 | 315.0 | 303.1 | 175.0 | 199.1 | 237.9 | 287.8 | 344.4 | 362.0 | 369.8 | 326.6 | 380.3 | 372.9 | 371.5 | 369.2 | 355.0 | 350.6 | 357.3 | 402.7 | | 590.2 | 211.5 | | 378.7 | 837.3 | | | |

Условные обозначения: Δ — п. гасла лампы; $>$ или $<$ — запись вышла за бумагу; \square — остановившийся час; \wedge — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().

Обработал Средина

Проверил _____

Ведомство *АН. Каз. ССР*
Обсерватория *Н-казашская*
Месяц *май* Год *1970*

Широта *45°46'* Долгота *62°07'*

Элемент *Склонение D*

D = *6°35'00"*

δD = *0.105/ч D* *6°36'01"*

| Время мирное Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Ампл. | | | Время | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|------|-------|-------|------|-------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | max | max | min | min | Ампл. | | | |
| 1 | 14.2 | 16.4 | 18.2 | 19.7 | 20.4 | 18.1 | 14.0 | 10.3 | 7.3 | 6.5 | 7.5 | 8.9 | 11.3 | 13.9 | 13.3 | 12.0 | 11.7 | 11.7 | 12.6 | 13.6 | 15.1 | 13.6 | 14.5 | 12.9 | 13.2 | 4.5 | 20.7 | 6.5 | 9.6 | 14.2 | 317.7 |
| 2 | 12.8 | 15.6 | 17.4 | 19.4 | 20.2 | 17.9 | 14.4 | 10.8 | 8.0 | 6.3 | 7.1 | 7.9 | 9.5 | 11.4 | 12.4 | 12.2 | 12.3 | 12.6 | 12.9 | 12.6 | 13.6 | 13.6 | 13.1 | 12.8 | 12.9 | 4.1 | 20.9 | 6.1 | 9.4 | 14.8 | 308.9 |
| 3 | 13.1 | 14.9 | 17.1 | 18.5 | 19.4 | 17.0 | 13.1 | 8.5 | 6.1 | 5.6 | 6.3 | 9.0 | 10.8 | 12.8 | 12.9 | 10.9 | 11.7 | 12.3 | 12.9 | 12.6 | 12.8 | 13.1 | 11.8 | 12.9 | 12.3 | 4.3 | 19.6 | 5.5 | 9.0 | 14.1 | 296.1 |
| 4 | 14.2 | 16.9 | 18.6 | 19.8 | 19.6 | 16.8 | 12.8 | 8.1 | 6.2 | 5.1 | 6.5 | 8.8 | 10.4 | 12.3 | 12.8 | 12.8 | 13.7 | 14.1 | 12.9 | 12.4 | 12.8 | 13.6 | 13.6 | 13.7 | 12.8 | 4.1 | 20.2 | 3.2 | 9.4 | 17.0 | 308.5 |
| 5 | 14.4 | 16.9 | 19.0 | 20.4 | 20.7 | 18.2 | 13.4 | 9.4 | 6.5 | 5.2 | 7.1 | 9.6 | 10.8 | 12.4 | 13.1 | 13.2 | 12.4 | 12.5 | 12.0 | 12.3 | 12.5 | 12.4 | 13.1 | 13.2 | 12.9 | 4.4 | 21.0 | 4.5 | 9.0 | 16.5 | 311.0 |
| 6 | 13.9 | 16.4 | 18.6 | 20.3 | 21.0 | 19.1 | 15.0 | 10.8 | 7.8 | 7.2 | 8.6 | 10.6 | 12.4 | 13.7 | 13.6 | 13.6 | 13.4 | 13.0 | 12.4 | 12.1 | 12.4 | 12.8 | 12.6 | 13.5 | 13.5 | 4.3 | 21.2 | 7.0 | 9.3 | 14.2 | 324.8 |
| 7 | 13.8 | 15.9 | 17.0 | 18.5 | 17.9 | 15.1 | 10.8 | 6.6 | 5.0 | 4.8 | 6.4 | 8.5 | 9.9 | 11.7 | 12.3 | 11.4 | 11.0 | 11.4 | 12.1 | 12.6 | 12.8 | 13.1 | 13.4 | 14.0 | 11.9 | 4.5 | 18.0 | 4.0 | 9.2 | 14.0 | 286.0 |
| 8 | 14.6 | 17.1 | 19.0 | 21.0 | 21.0 | 18.4 | 13.9 | 9.7 | 6.8 | 6.2 | 6.7 | 8.4 | 10.6 | 12.6 | 12.3 | 12.1 | 12.3 | 12.8 | 12.6 | 12.3 | 13.1 | 12.7 | 12.7 | 13.1 | 13.0 | 4.5 | 21.3 | 6.1 | 9.6 | 15.2 | 312.0 |
| 9 | 14.6 | 16.5 | 17.7 | 18.5 | 18.8 | 16.9 | 9.0 | 6.4 | 6.4 | 6.4 | 6.6 | 8.4 | 10.8 | 12.3 | 12.3 | 12.5 | 12.6 | 12.3 | 12.3 | 12.6 | 12.6 | 12.5 | 12.6 | 12.8 | 12.8 | 4.3 | 19.2 | 6.3 | 10.5 | 12.9 | 294.4 |
| 10 | 13.3 | 15.1 | 16.7 | 18.4 | 19.4 | 18.7 | Δ | 10.3 | 6.3 | 4.8 | 5.3 | 6.3 | 8.0 | 11.0 | 12.3 | 12.1 | 12.3 | 12.1 | 12.3 | 12.6 | 12.7 | 12.5 | 12.4 | 12.4 | 12.0 | 4.4 | 19.6 | 4.6 | 9.7 | 15.0 | 277.3 |
| 11 | 13.2 | 14.8 | 16.6 | 19.0 | 8.5 | 6.5 | 3.5 | -1.6 | -5.4 | -6.2 | -5.3 | -3.5 | 0.4 | 0.7 | 1.3 | 0.6 | 0.3 | 0.5 | 1.0 | 1.2 | 1.7 | 2.1 | 2.5 | 1.7 | 3.1 | 4.0 | 20.0 | -6.3 | 9.3 | 26.3 | 74.1 |
| 12 | 2.9 | 4.5 | 6.2 | 9.3 | 7.5 | 5.3 | 0.9 | -3.8 | -6.0 | -7.0 | -6.3 | -2.4 | -0.2 | 1.3 | 1.5 | 1.0 | 1.5 | 1.7 | 2.4 | 2.8 | 3.3 | 1.4 | 3.6 | 4.0 | 1.5 | 3.5 | 9.9 | -7.5 | 10.1 | 17.4 | 36.8 |
| 13 | 4.7 | 6.3 | 6.6 | 6.2 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 0.1 | 1.4 | 1.7 | 1.6 | 1.5 | 1.6 | 1.6 | 1.8 | 2.2 | 2.3 | 1.2 | 2.5 | 2.7 | 2.6 | 7.3 | 0.5 | 12.2 | 6.8 | 43.3 |
| 14 | 3.5 | 4.2 | 5.8 | 6.5 | 7.5 | 6.3 | 3.8 | -0.2 | -2.8 | -4.1 | -4.3 | -3.3 | -1.1 | 0.7 | 1.3 | 1.3 | 2.6 | 2.8 | 2.8 | 5.1 | 4.7 | 4.4 | 3.3 | 3.9 | 2.3 | 4.3 | 8.3 | -5.2 | 10.2 | 13.5 | 54.7 |
| 15 | 3.3 | 3.1 | 5.4 | 6.9 | 8.0 | Δ | Δ | Δ | Δ | Δ | Δ | -2.5 | -1.0 | 1.3 | 1.8 | 1.8 | 1.5 | 1.7 | 2.8 | 2.6 | 2.4 | 2.8 | 2.8 | 2.8 | 2.6 | 4.2 | 8.5 | -3.0 | 10.7 | 11.5 | 47.5 |
| 16 | 3.2 | 4.8 | 6.3 | 7.0 | 7.5 | 6.3 | 4.1 | 1.2 | -2.0 | -3.2 | -2.6 | -1.4 | 0.1 | 1.7 | 2.2 | 1.3 | 2.0 | 2.3 | 2.2 | 2.3 | 2.6 | 3.1 | 3.2 | 2.8 | 2.4 | 4.2 | 7.9 | -3.5 | 9.6 | 11.4 | 56.8 |
| 17 | 3.0 | 4.4 | 6.2 | 7.3 | 11.0 | 6.6 | 2.9 | -0.6 | -3.1 | -4.1 | -4.3 | -2.5 | -0.2 | 1.5 | 1.8 | 1.7 | 1.5 | 1.6 | 2.5 | 1.8 | 1.9 | 1.8 | 1.8 | 1.1 | 1.9 | 4.6 | 11.8 | -3.7 | 9.9 | 15.5 | 44.7 |
| 18 | 2.7 | 5.2 | 6.4 | 6.8 | 7.6 | 5.4 | 1.6 | -2.0 | -4.6 | -4.8 | -4.3 | -3.2 | -0.5 | 1.2 | 2.3 | 2.0 | 1.9 | 1.5 | 3.2 | 1.3 | 1.5 | 1.8 | 1.9 | 2.3 | 1.5 | 4.0 | 8.0 | -5.3 | 9.1 | 13.3 | 35.3 |
| 19 | 3.4 | 5.7 | 7.1 | 7.9 | 6.8 | 4.7 | 0 | -4.1 | -6.3 | -6.2 | -4.1 | -2.0 | -0.1 | 1.3 | 0.7 | 0.2 | 0.6 | 1.2 | 1.5 | 5.1 | 4.7 | 4.4 | 3.3 | 3.9 | 2.3 | 3.3 | 8.5 | -6.6 | 8.6 | 15.1 | 24.7 |
| 20 | 3.1 | 5.1 | 6.3 | 9.5 | 4.3 | 5.3 | 6.2 | 9.0 | 9.8 | 9.3 | 10.1 | 9.8 | 10.5 | 10.6 | 10.7 | 10.6 | 9.5 | 9.8 | 2.7 | 12.6 | 15.2 | 16.3 | 16.5 | 15.7 | 9.8 | 23.0 | 17.0 | 4.1 | 4.3 | 12.9 | 235.5 |
| 21 | 12.9 | 10.1 | 6.4 | 4.4 | 5.0 | 6.1 | 8.9 | 10.9 | 10.8 | 10.4 | 10.3 | 10.6 | 9.6 | 10.6 | 11.4 | 11.3 | 9.9 | 9.7 | 10.4 | 12.6 | 15.1 | 17.2 | 18.4 | 14.9 | 10.7 | 22.5 | 18.5 | 5.4 | 4.8 | 13.1 | 257.9 |
| 22 | 14.9 | 11.1 | 7.0 | 4.9 | 6.3 | 6.9 | 8.7 | 9.8 | 9.8 | 9.9 | 9.9 | 9.8 | 9.5 | 9.5 | Δ | Δ | Δ | Δ | 11.6 | 13.8 | 16.4 | 18.1 | 19.0 | 18.9 | 11.2 | 23.1 | 19.4 | 6.0 | 4.3 | 13.4 | 225.8 |
| 23 | 14.3 | 11.0 | 6.5 | 4.7 | 4.7 | 6.3 | 8.1 | 9.5 | 10.3 | 12.0 | 10.1 | 10.4 | 10.2 | 10.4 | 10.8 | 11.2 | 11.2 | 10.8 | 11.6 | 13.6 | 15.7 | 17.5 | 17.7 | 16.9 | 11.0 | 23.0 | 18.1 | 4.5 | 4.6 | 13.6 | 265.5 |
| 24 | 13.8 | 9.6 | 6.8 | 6.0 | 5.2 | 7.6 | 9.0 | 9.5 | 9.5 | 9.7 | 10.3 | 10.5 | 10.6 | 10.4 | 11.4 | 12.1 | 11.0 | 11.3 | 14.0 | 16.4 | 18.8 | 20.0 | 19.1 | 17.1 | 11.6 | 21.3 | 20.2 | 4.5 | 5.2 | 15.7 | 279.7 |
| 25 | 13.1 | 8.4 | 5.9 | 4.1 | 5.3 | 6.5 | 8.5 | 10.0 | 10.8 | 10.4 | 10.3 | 10.2 | 11.1 | 13.9 | 15.8 | 16.5 | 16.4 | 16.9 | 17.0 | 17.2 | 17.4 | 17.2 | 17.4 | 18.2 | 12.4 | 21.6 | 17.9 | 4.9 | 4.0 | 13.0 | 298.5 |
| 26 | Δ | 6.3 | 5.3 | 4.5 | 7.7 | 6.5 | 3.3 | -0.8 | -4.1 | 9.3 | 8.7 | 9.1 | 11.1 | 13.9 | 15.8 | 16.5 | 16.4 | 16.9 | 17.0 | 17.2 | 17.4 | 17.2 | 17.4 | 18.2 | 10.9 | 23.3 | 18.4 | -4.8 | 9.0 | 23.2 | 250.8 |
| 27 | 18.5 | 20.0 | 21.7 | 22.6 | 23.0 | 21.7 | 18.8 | 14.8 | 11.3 | 9.5 | 9.5 | 9.8 | 11.6 | 15.3 | 16.2 | 16.4 | 16.4 | 16.7 | 16.9 | 16.9 | 19.6 | 19.9 | 18.4 | 17.7 | 16.8 | 4.2 | 23.0 | 9.0 | 9.8 | 14.0 | 403.2 |
| 28 | 20.2 | 17.5 | 21.0 | 24.0 | 25.1 | 23.6 | 19.8 | 15.6 | 12.6 | 8.7 | 8.4 | 10.1 | 15.6 | 21.7 | 23.0 | 21.0 | 17.5 | 17.4 | 17.0 | 16.4 | 17.9 | 18.5 | 18.6 | 17.8 | 17.9 | 13.8 | 25.5 | 7.0 | 9.9 | 18.5 | 429.0 |
| 29 | 20.1 | 20.9 | 22.7 | 22.6 | Δ | Δ | 19.3 | 16.2 | 15.2 | 13.8 | 13.9 | 13.8 | 15.6 | 16.7 | 17.5 | 18.1 | 18.5 | 18.4 | 17.9 | 17.6 | 18.7 | 17.9 | 17.5 | 17.5 | 17.7 | 3.2 | 24.8 | 13.3 | 11.5 | 11.5 | 390.4 |
| 31 | 17.9 | 20.0 | 21.8 | 23.9 | 23.3 | 21.2 | 17.9 | 14.9 | 13.1 | 12.1 | 11.2 | 11.5 | 13.7 | 16.1 | 17.3 | 18.6 | 17.6 | 18.9 | 18.4 | 18.0 | 18.2 | 18.3 | 18.3 | 18.4 | 17.5 | 4.7 | 23.5 | 10.9 | 10.4 | 12.6 | 420.6 |
| 31 | 19.4 | 20.5 | 21.7 | 22.5 | 22.6 | 21.1 | 18.5 | 15.1 | 12.6 | 11.3 | 11.6 | 13.1 | 15.4 | 17.4 | 18.1 | 17.0 | 16.2 | 16.4 | 16.9 | 17.4 | 17.6 | 17.9 | 17.7 | 18.0 | 17.3 | 4.1 | 22.8 | 11.1 | 9.5 | 11.7 | 416.0 |
| Среднее по ВСМ дням | 11.6 | 12.1 | 12.9 | 13.7 | 13.6 | 12.5 | 10.0 | 7.4 | 5.4 | 5.1 | 5.6 | 6.5 | 7.9 | 9.7 | 10.3 | 10.1 | 9.9 | 10.0 | 10.4 | 10.8 | 11.6 | 11.8 | 11.9 | 11.7 | 10.0 | | 17.4 | 2.9 | | 14.5 | 242.5 |
| | 347.0 | 375.2 | 399.0 | 425.1 | 395.3 | 350.1 | 280.2 | 214.3 | 157.9 | 148.9 | 161.2 | 194.3 | 242.3 | 301.7 | 310.2 | 303.6 | 297.7 | 302.9 | 323.3 | 336.4 | 359.7 | 366.4 | 367.8 | 363.3 | 310.6 | | 541.0 | 89.1 | | 451.9 | 7327.5 |

Условные обозначения: Δ — п. гасла лампы; > или < — запись вышла за бумагу; □ — остановился час; ∟ — ноль
Причины отсутств. записей. Величины, взятые приближенно с магнитограммы — ()

Обработал *Средина*

Проверил _____

Среднемесячн. 2268 мм

Ведомство ЯН. Каз. ССР
 Н-Казалинск
 Месяц май Год 1970

Широта 45°46' Долгота 62°07'

Элемент Горизонтальная осевая антенна, Н"
 Н 2263 мм Вн 1.07 мм Н 22650 мм

| Время мировое Дни | | | | | | | | | | | | | | | | | | Средн. суточн. | Врем | | | | | Ампл. | | | | | | | | | | | |
|-----------------------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|-------|------|-----|------|-----|-----|------|-------|-----|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | 19 | 20 | 21 | 22 | 23 | | Max | Max | Min | Min | | | | | | | |
| 1 | 64 | 69 | 62 | 48 | 36 | 28 | 25 | 33 | 54 | 62 | 63 | 67 | 70 | 56 | 58 | 67 | 68 | 71 | 73 | 72 | 73 | 68 | 59 | 61 | 58 | 203 | 78 | 19 | 63 | 59 | 1407 | | | | |
| 2 | 65 | 65 | 66 | 54 | 43 | 48 | 55 | 53 | 52 | 66 | 66 | 71 | 72 | 67 | 66 | 67 | 71 | 70 | 74 | 72 | 67 | 69 | 65 | 65 | 64 | 190 | 78 | 39 | 49 | 39 | 1529 | | | | |
| 3 | 68 | 69 | 71 | 65 | 52 | 43 | 40 | 45 | 59 | 74 | 83 | 78 | 67 | 72 | 69 | 64 | 73 | 74 | 72 | 74 | 73 | 72 | 86 | 87 | 68 | 223 | 77 | 39 | 68 | 38 | 1630 | | | | |
| 4 | 77 | 75 | 71 | 60 | 48 | 40 | 37 | 45 | 44 | 68 | 68 | 67 | 71 | 73 | 67 | 67 | 64 | 66 | 70 | 71 | 69 | 68 | 67 | 70 | 63 | 137 | 75 | 33 | 67 | 42 | 1523 | | | | |
| 5 | 69 | 65 | 57 | 48 | 41 | 42 | 53 | 43 | 70 | 62 | 46 | 57 | 67 | 58 | 62 | 66 | 66 | 71 | 74 | 71 | 71 | 70 | 69 | 65 | 61 | 90 | 75 | 38 | 63 | 37 | 1463 | | | | |
| 6 | 66 | 65 | 61 | 54 | 41 | 38 | 40 | 47 | 68 | 72 | 70 | 70 | 69 | 68 | 62 | 62 | 70 | 69 | 73 | 73 | 78 | 79 | 83 | 83 | 65 | 240 | 86 | 37 | 71 | 49 | 1561 | | | | |
| 7 | 84 | 86 | 80 | 72 | 58 | 52 | 54 | 57 | 69 | 78 | 77 | 71 | 75 | 76 | 76 | 77 | 77 | 56 | 78 | 83 | 80 | 78 | 80 | 76 | 73 | 197 | 82 | 51 | 51 | 31 | 1750 | | | | |
| 8 | 78 | 79 | 70 | Δ | 58 | 49 | 43 | 41 | 53 | 68 | 78 | 84 | 83 | 78 | 76 | 77 | 83 | 75 | 76 | 73 | 71 | 70 | 71 | 71 | 69 | 167 | 86 | 38 | 73 | 48 | 1605 | | | | |
| 9 | 72 | 75 | 73 | 64 | 49 | 36 | 34 | 44 | 55 | 63 | 67 | 67 | 72 | 73 | 69 | 68 | 70 | 70 | 73 | 73 | 72 | 72 | 74 | 75 | 65 | 130 | 76 | 32 | 62 | 44 | 1561 | | | | |
| 10 | 76 | 77 | 72 | 63 | 49 | 41 | 49 | 62 | 76 | 84 | 85 | 85 | 84 | 77 | 71 | 71 | 71 | 72 | 73 | 74 | 53 | 76 | 76 | 77 | 70 | 101 | 85 | 39 | 58 | 46 | 1694 | | | | |
| 11 | 79 | 81 | 80 | 76 | 36 | 25 | 24 | 38 | 54 | 64 | 67 | 66 | 67 | 67 | 62 | 60 | 61 | 64 | 66 | 68 | 69 | 69 | 69 | 75 | 62 | 240 | 83 | 1 | 60 | 82 | 1487 | | | | |
| 12 | 76 | 68 | 60 | 48 | 35 | 32 | 44 | 44 | 58 | 74 | 76 | 57 | 60 | 47 | 34 | 36 | 38 | 46 | 43 | 45 | 53 | 55 | 45 | 43 | 50 | 102 | 83 | 29 | 54 | 54 | 1217 | | | | |
| 13 | 45 | 45 | 41 | 31 | 23 | 18 | 23 | 38 | 48 | 46 | Δ | Δ | 43 | 45 | 46 | 48 | 51 | 54 | 55 | 56 | 53 | 55 | 52 | 54 | 44 | 43 | 57 | 17 | 57 | 40 | 970 | | | | |
| 14 | 55 | 61 | 65 | 56 | 42 | 29 | 34 | 19 | 12 | -8 | 60 | 61 | 63 | 56 | 55 | 56 | 56 | 59 | 52 | 39 | 34 | 37 | 41 | 42 | 45 | 127 | 69 | 12 | 79 | 57 | 1076 | | | | |
| 15 | 52 | 56 | 44 | 39 | | | | | | | | | | | | | | | | | | | | | 47 | | | | | | | 191 | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 41 | 49 | 54 | 59 | 59 | 59 | 55 | 55 | 56 | 57 | 56 | 55 | 56 | 57 | 56 | 55 | 55 | 142 | 60 | 42 | 93 | 18 | 824 | | | |
| 27 | 60 | 67 | 67 | 60 | 46 | 40 | 44 | 48 | 46 | 48 | 56 | 67 | 57 | 53 | 53 | 59 | 52 | 43 | 42 | 54 | 35 | 31 | 53 | 45 | 51 | 115 | 72 | 26 | 218 | 46 | 1226 | | | | |
| 28 | 57 | 58 | 47 | 41 | 32 | 16 | 32 | 42 | 46 | 16 | 16 | -1 | -15 | -14 | -34 | -33 | -24 | 0 | -10 | 13 | 19 | 18 | 19 | 45 | 10 | 99 | 54 | -51 | 148 | 105 | 326 | | | | |
| 29 | 18 | 26 | 21 | 11 | Δ | Δ | -21 | -9 | -12 | 16 | 18 | 14 | 13 | 23 | 23 | 26 | 26 | 28 | 52 | 31 | 31 | 28 | 27 | 26 | 18 | 203 | 33 | -22 | 68 | 55 | 416 | | | | |
| 30 | 28 | 33 | 34 | 28 | 15 | 15 | 11 | 18 | 6 | -3 | 10 | 28 | 40 | 34 | 32 | 36 | 33 | 36 | 34 | 38 | 34 | 34 | 36 | 38 | 21 | 122 | 42 | -52 | 97 | 94 | 648 | | | | |
| 31 | 42 | 43 | 44 | 33 | 22 | 14 | 1 | 25 | 39 | 42 | 47 | 52 | 50 | 37 | 36 | 38 | 43 | 45 | 45 | 45 | 46 | 47 | 48 | 52 | 30 | 120 | 55 | 13 | 57 | 42 | 936 | | | | |
| Среднее по ВСМ дн в м | 62 | 63 | 59 | 48 | 38 | 32 | 31 | 37 | 45 | 49 | 52 | 53 | 56 | 53 | 50 | 51 | 52 | 54 | 56 | 56 | 54 | 55 | 56 | 55 | 51 | | 67 | 18 | | 49 | 1217 | | | | |
| | 1231 | 1263 | 1186 | 951 | 726 | 606 | 622 | 733 | 897 | 1033 | 1102 | 1115 | 1167 | 1105 | 1042 | 1067 | 1104 | 1125 | 1172 | 1182 | 1136 | 1152 | 1177 | 1146 | 1089 | | 1406 | 380 | | 1026 | 25040 | | | | |

Трохоцикл
 накладка
 аппаратурк

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

Обработал Сеньковская

Проверил

Ведомство **АН. Каз. ССР**
 Обсерватория **Н-Казалинск**
 Месяц **июль** Год **1970**

Широта **45°46'** Долгота **62°07'**
 Элемент **Склонение D**

Среднемесячн. **6°43'70"**

D **6°30'00"** **ЭД** **0.165** **П** **6°35'70"**

| Время мирное Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время Max | | Время Min | | Ампл | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|--------------|-------|--------------|-------|-------|------|-------|--------|-------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | Max | Max | Min | Min | | | | | | |
| 1 | 18.2 | 18.5 | 19.5 | 21.2 | 20.6 | 19.2 | 18.0 | 15.2 | 12.8 | 11.6 | 11.2 | 11.2 | 13.4 | 15.2 | 15.3 | 14.5 | 15.6 | 14.7 | 15.7 | 16.2 | 16.8 | 16.5 | 16.5 | 17.0 | 16.0 | 4.1 | 22.1 | 10.5 | 11.1 | 11.6 | 384.6 | | |
| 2 | 13.5 | 19.8 | 21.6 | 22.8 | 22.9 | 19.8 | 16.8 | 11.9 | 10.5 | 10.2 | 9.7 | 12.1 | 12.7 | 14.2 | 15.6 | 16.3 | 15.7 | 16.0 | 16.0 | 16.6 | 16.6 | 16.5 | 17.0 | 18.2 | 16.0 | 4.6 | 23.2 | 9.4 | 10.6 | 13.8 | 383.0 | | |
| 3 | 18.2 | 19.6 | 21.8 | 23.6 | 25.2 | 23.1 | Δ | Δ | 13.6 | 12.2 | Δ | Δ | 14.7 | 16.5 | 17.1 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.3 | 16.5 | 11.5 | 17.6 | 17.0 | 4.5 | 25.5 | 12.0 | 9.5 | 13.5 | 352.8 | | |
| 4 | 11.5 | 20.4 | 24.6 | 25.1 | 24.7 | 24.5 | 18.1 | 13.2 | 9.8 | 11.5 | 11.9 | 12.5 | 14.7 | 16.2 | 16.6 | 16.4 | 16.4 | 16.8 | 17.2 | 17.5 | 17.7 | 17.8 | 17.7 | 17.9 | 17.1 | 4.5 | 25.6 | 7.7 | 8.8 | 17.9 | 410.7 | | |
| 5 | 18.5 | 21.2 | 23.6 | 24.6 | 25.2 | 21.3 | 17.5 | 15.2 | 13.4 | 11.9 | 10.8 | 11.4 | 12.8 | 14.2 | 15.6 | 15.7 | 17.0 | 17.4 | 17.2 | 17.3 | 17.5 | 17.9 | 17.8 | 17.8 | 17.2 | 4.5 | 25.1 | 10.5 | 10.7 | 14.6 | 412.8 | | |
| 6 | 17.6 | 19.1 | 20.6 | 22.8 | 24.2 | 24.6 | 20.3 | 17.8 | 16.0 | 13.2 | 11.5 | 12.8 | 15.0 | 16.5 | 15.8 | 15.7 | 15.3 | 15.3 | 15.8 | 16.4 | 17.0 | 17.4 | 17.4 | 17.7 | 17.3 | 4.7 | 25.0 | 10.2 | 10.3 | 14.8 | 415.8 | | |
| 7 | 18.3 | 20.6 | 22.6 | 23.1 | 22.6 | 20.3 | 17.0 | 14.1 | 12.1 | 10.8 | 10.8 | 11.5 | 13.0 | 14.6 | 15.7 | 16.1 | 16.3 | 16.0 | 16.2 | 16.8 | 17.0 | 17.6 | 17.7 | 16.3 | 16.5 | 4.1 | 23.3 | 10.4 | 10.1 | 12.9 | 397.1 | | |
| 8 | 17.4 | 19.3 | 21.1 | 21.8 | 22.0 | 20.8 | 17.7 | 14.5 | 11.6 | 10.7 | 11.0 | 11.2 | 13.0 | 15.6 | 16.4 | 16.5 | 16.8 | 17.1 | 17.1 | 17.1 | 18.3 | 19.3 | 20.1 | 18.1 | 16.8 | 4.8 | 22.1 | 10.5 | 9.4 | 11.6 | 404.5 | | |
| 9 | 19.8 | 20.4 | 21.6 | 24.6 | 25.5 | 21.5 | 19.1 | 17.1 | 14.7 | 12.7 | 11.7 | 11.4 | 9.9 | 15.6 | 19.9 | 18.2 | 19.3 | 17.1 | 16.1 | 20.7 | 22.0 | 21.4 | 18.4 | 17.8 | 18.2 | 4.5 | 25.7 | 8.4 | 12.3 | 17.3 | 436.5 | | |
| 10 | 17.3 | 23.3 | 24.6 | Δ | Δ | 24.5 | 21.1 | 17.0 | 14.4 | 13.0 | 11.8 | 12.4 | 14.2 | 15.7 | 15.7 | 15.1 | 17.0 | 16.1 | 17.2 | 18.8 | 19.0 | 17.4 | 20.7 | 21.4 | 17.6 | 5.2 | 25.4 | 11.5 | 10.5 | 13.9 | 387.7 | | |
| 11 | 21.5 | 21.9 | 22.1 | 23.5 | 24.6 | 23.3 | 20.8 | 17.5 | 14.8 | 13.7 | 12.4 | 11.9 | 13.2 | 14.0 | 15.8 | 15.6 | 16.8 | 17.1 | 16.5 | 17.2 | 17.7 | 17.6 | 19.0 | 19.0 | 17.8 | 4.6 | 24.6 | 11.6 | 11.9 | 13.0 | 427.5 | | |
| 12 | 18.1 | 18.9 | 21.3 | 23.1 | 23.1 | 22.6 | 20.3 | 17.0 | 13.9 | 12.7 | 11.9 | 12.2 | 13.2 | 14.3 | 15.9 | 17.8 | 16.5 | 15.7 | 16.0 | 18.8 | 17.6 | 18.1 | 17.7 | 19.4 | 17.3 | 4.3 | 24.1 | 11.3 | 10.9 | 12.8 | 416.1 | | |
| 13 | 19.3 | 20.8 | 21.8 | 22.7 | 23.1 | 21.9 | 19.0 | 15.3 | 12.7 | 11.8 | 11.1 | 11.4 | 12.8 | 14.7 | 15.4 | 15.2 | 15.7 | 16.6 | 18.0 | 17.3 | 18.6 | 19.5 | 18.2 | 18.5 | 17.1 | 4.5 | 23.5 | 10.9 | 11.1 | 12.6 | 411.4 | | |
| 14 | 18.8 | 20.8 | 22.0 | 22.8 | 21.9 | 20.6 | 19.0 | 15.7 | 12.4 | 10.8 | 11.0 | 12.5 | 15.1 | 15.9 | 15.8 | 15.6 | 15.6 | 15.4 | 16.6 | 17.3 | 17.3 | 17.5 | 17.6 | 16.8 | 16.9 | 4.2 | 22.7 | 10.4 | 10.1 | 12.3 | 404.8 | | |
| 15 | 18.0 | 20.6 | 22.0 | 21.8 | 21.9 | 20.9 | 19.0 | 15.8 | 13.0 | 11.0 | 10.5 | 11.4 | 13.5 | 15.7 | 16.3 | 15.6 | 15.3 | 15.7 | 16.2 | 16.8 | 17.0 | 17.1 | 17.7 | 17.6 | 16.7 | 4.1 | 22.3 | 10.4 | 10.2 | 11.9 | 400.4 | | |
| 16 | 18.1 | 19.5 | 19.6 | 22.0 | 21.8 | 19.8 | 17.6 | 15.0 | 13.5 | 12.8 | 12.5 | 12.4 | 13.9 | 16.0 | 16.0 | 16.0 | 15.3 | 16.0 | 17.3 | 17.2 | 16.8 | 16.9 | 17.0 | 17.3 | 16.7 | 4.5 | 21.9 | 12.1 | 11.3 | 9.8 | 400.3 | | |
| 17 | 18.1 | 20.2 | 21.6 | 20.3 | 19.4 | 17.7 | 15.0 | 12.5 | 11.4 | 9.8 | 10.4 | 11.5 | 12.5 | 14.2 | 15.7 | 14.8 | 15.5 | 16.5 | 16.3 | 16.5 | 16.6 | 18.4 | 17.2 | 19.3 | 15.9 | 4.2 | 19.9 | 9.5 | 10.0 | 10.4 | 381.4 | | |
| 18 | 19.4 | 19.0 | 22.1 | 22.4 | 23.7 | 21.8 | 19.8 | 16.6 | 14.1 | 11.4 | 10.5 | 12.0 | 13.5 | 14.7 | 15.7 | 15.7 | 16.0 | 16.0 | 16.1 | 16.4 | 17.5 | 17.6 | 17.7 | 18.0 | 17.0 | 4.7 | 24.0 | 10.3 | 10.2 | 13.7 | 407.7 | | |
| 19 | 18.6 | 20.8 | 22.3 | 22.8 | 21.6 | 22.0 | 18.1 | 15.5 | 12.5 | 10.0 | 9.3 | 10.0 | 11.9 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 16.6 | 4.2 | 22.3 | 9.1 | 10.2 | 13.2 | 215.4 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Δ | Δ | Δ | Δ | 8.6 | 7.4 | 18.1 | 21.9 | 23.8 | 24.7 | 24.8 | 23.8 | 21.9 | 0.9 | 2.0 | 3.3 | 3.4 | 3.3 | 5.1 | 4.3 | 4.0 | 4.2 | 4.4 | 4.6 | 10.7 | 4.1 | 8.8 | 24.9 | 9.8 | -16.1 | 214.5 | | |
| 24 | 5.3 | 6.9 | 7.7 | 8.5 | 7.2 | 6.6 | 9.2 | 7.3 | 2.9 | 0.3 | 24.3 | 24.6 | 0.6 | 3.2 | 4.8 | 5.3 | 3.9 | 4.2 | 4.6 | 3.8 | 3.8 | 3.6 | 3.3 | 5.4 | 6.6 | 6.9 | 11.0 | 26.0 | 11.5 | -15.0 | 157.3 | | |
| 25 | 5.4 | 8.4 | 9.4 | 6.9 | 9.1 | 12.5 | 14.4 | 15.2 | 15.0 | 11.4 | 11.7 | 10.7 | 11.9 | 9.2 | 8.6 | 6.5 | 3.4 | 3.7 | 4.4 | Δ | Δ | Δ | Δ | Δ | 9.4 | 6.9 | 12.3 | 2.8 | 16.6 | 16.5 | 177.8 | | |
| 26 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 3.7 | 3.2 | 3.9 | 3.9 | 4.6 | 4.7 | 4.8 | 4.5 | 5.6 | 4.3 | 24.0 | 5.8 | 2.7 | 16.2 | 3.1 | 38.9 | | |
| 27 | 6.4 | 8.2 | 9.2 | 9.7 | 10.5 | 9.1 | 6.1 | 3.7 | 0.8 | 0 | 13 | 13 | 26 | 44 | 51 | 64 | 5.3 | 5.0 | 4.2 | 4.0 | 4.3 | 5.5 | 5.6 | 5.4 | 5.2 | 4.7 | 10.9 | 23.8 | 9.3 | -12.9 | 124.1 | | |
| 28 | 6.5 | 8.2 | 8.6 | 8.9 | 7.9 | 6.7 | 5.4 | 3.5 | Δ | Δ | 0 | 23.6 | 23.5 | 1.1 | 2.4 | Δ | Δ | Δ | Δ | Δ | 4.3 | 5.1 | 4.4 | 4.6 | 7.3 | 3.2 | 9.1 | 23.8 | 12.3 | -14.7 | 124.7 | | |
| 29 | 5.0 | 6.1 | 8.4 | 9.5 | 11.2 | 9.6 | 9.1 | Δ | 7.9 | 6.2 | 7.6 | 8.1 | 7.5 | 10.9 | 6.3 | 9.9 | 6.9 | 5.4 | 5.4 | 3.4 | 4.5 | 5.1 | 5.5 | 6.0 | 7.1 | 15.9 | 13.1 | 2.5 | 19.9 | 10.6 | 164.0 | | |
| 30 | 6.0 | 8.9 | 8.8 | 9.5 | 8.7 | 5.9 | 3.9 | 2.1 | 0.5 | Δ | 1.2 | 1.6 | 3.1 | 4.1 | 4.6 | 4.0 | 4.5 | 5.3 | 5.3 | 5.2 | 5.3 | 4.8 | 4.5 | 5.3 | 4.9 | 4.1 | 9.4 | 0.1 | 8.6 | 9.3 | 112.5 | | |
| 31 | 5.9 | 6.1 | 8.7 | 9.0 | 8.9 | 8.1 | 7.2 | 5.3 | 3.1 | 2.0 | 1.5 | 2.0 | 3.3 | 5.3 | 5.9 | 6.2 | 6.1 | 6.4 | 5.8 | 5.8 | 5.3 | 5.4 | 6.1 | 6.3 | 5.7 | 4.3 | 9.2 | 1.4 | 10.3 | 7.8 | 136.0 | | |
| Среднее из всех дней | 14.7 | 16.8 | 18.4 | 18.9 | 18.7 | 17.6 | 15.7 | 13.4 | 11.6 | 10.6 | 10.5 | 11.8 | 12.1 | 12.0 | 12.7 | 12.8 | 12.7 | 13.0 | 13.0 | 13.7 | 13.6 | 13.8 | 13.8 | 14.9 | 13.7 | | | | | | | 335.3 | |
| | 381.3 | 436.5 | 477.6 | 473.0 | 486.1 | 476.1 | 407.6 | 335.9 | 301.2 | 266.4 | 272.4 | 307.5 | 327.1 | 312.9 | 330.0 | 331.9 | 329.8 | 327.3 | 337.8 | 343.1 | 354.2 | 360.3 | 360.2 | 362.8 | 383.5 | | 544.9 | 304.7 | | 240.2 | 8700.3 | | |

Условные обозначения: Δ — п. гласа лампы; > или < — запись вышла за бумагу; — — — — — остаток значения; Δ — ноль;
 Причины отсутствия записи. Величины, в скобках приближенно с магнитограммы — ()

Обработал **Средина**

Проверил _____

Среднемесячн. 22673f

Ведомство **АН. Каз. ССР**
 Обсерватория **Н-Казалинск**
 Месяц **июль** Год **1970**

Широта **45°46'** Долгота **62°07'**

Элемент **Горизонтальная составляющая "H"**
H = 22630 ... **вн = 1.09/мм H = 22657f**

| Время мирное | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время макс | | Время мин | | Σ | | | | |
|---------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|------------|-----|-----------|------|-----|------|------|-------|--|
| | Дни | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | макс | мин | макс | мин | | | | | |
| 1 | 62 | 65 | 64 | 57 | 47 | 46 | 45 | 49 | 53 | 55 | 65 | 58 | 55 | 59 | 38 | 51 | 58 | 64 | 66 | 65 | 61 | 60 | 60 | 63 | 57 | 18.2 | 70 | 34 | 14.8 | 1366 | | |
| 2 | 67 | 68 | 65 | 58 | 43 | 36 | 27 | 11 | 31 | 44 | 44 | 48 | 58 | 58 | 49 | 48 | 56 | 55 | 54 | 54 | 55 | 56 | 55 | 54 | 50 | 1.1 | 70 | 8 | 7.3 | 1194 | | |
| 3 | 57 | 62 | 66 | 61 | 49 | 23 | 16 | Δ | 13 | 24 | Δ | Δ | 46 | 40 | Δ | 40 | 41 | 44 | 45 | 47 | 48 | 44 | 58 | 72 | 43 | 23.2 | 104 | 1 | 9.7 | 896 | | |
| 4 | 49 | 53 | 43 | 17 | -3 | -30 | -30 | -15 | 14 | 19 | 37 | 39 | 38 | 36 | 33 | 32 | 35 | 35 | 36 | 37 | 36 | 35 | 38 | 41 | 26 | 24.2 | 68 | -42 | 6.2 | 625 | | |
| 5 | 44 | 51 | 51 | 41 | 6 | -2 | 4 | 10 | 13 | 25 | 32 | 41 | 44 | 55 | 52 | 49 | 57 | 66 | 50 | 46 | 53 | 58 | 61 | 57 | 40 | 22.8 | 70 | -14 | 5.3 | 964 | | |
| 6 | 61 | 69 | 61 | 44 | 29 | 24 | 21 | 5 | -12 | 17 | 44 | 41 | 44 | 44 | 36 | 44 | 46 | 47 | 48 | 48 | 48 | 47 | 47 | 48 | 40 | 1.0 | 72 | -17 | 8.4 | 951 | | |
| 7 | 43 | 46 | 53 | 42 | 32 | 29 | 35 | 45 | 47 | 53 | 57 | 58 | 58 | 56 | 58 | 58 | 55 | 58 | 59 | 57 | 57 | 55 | 50 | 57 | 50 | 17.4 | 62 | 28 | 5.2 | 1218 | | |
| 8 | 64 | 69 | 60 | 47 | 31 | 21 | 17 | 21 | 31 | 40 | 49 | 50 | 49 | 46 | 49 | 48 | 52 | 48 | 47 | 48 | 44 | 46 | 47 | 76 | 46 | 24.0 | 105 | 16 | 6.7 | 1100 | | |
| 9 | 104 | 98 | 94 | 71 | 33 | 26 | 23 | 24 | 37 | -3 | -27 | -6 | 6 | -17 | -9 | -5 | 5 | 25 | 39 | 1 | 47 | 19 | 19 | 20 | 26 | 03 | 105 | -44 | 10.7 | 624 | | |
| 10 | 79 | 33 | 20 | 11 | -2 | -13 | -16 | -8 | 4 | 11 | 17 | 19 | 19 | 13 | 34 | 43 | 65 | 72 | 45 | 45 | 54 | 66 | 47 | 36 | 29 | 21.2 | 85 | -18 | 7.2 | 694 | | |
| 11 | 46 | 40 | 34 | 31 | 00 | 19 | 9 | 3 | 41 | 22 | 31 | 41 | 42 | 42 | 39 | 42 | 45 | 53 | 47 | 46 | 56 | 56 | 44 | 45 | 36 | 2.11 | 61 | -2 | 6.9 | 874 | | |
| 12 | 45 | 46 | 38 | 43 | 46 | 37 | 31 | 33 | 00 | 29 | 37 | 37 | 38 | 43 | 44 | 42 | 44 | 50 | 58 | 50 | 47 | 49 | 56 | 50 | 41 | 22.3 | 61 | 21 | 9.3 | 993 | | |
| 13 | 58 | 61 | 46 | 31 | 21 | 8 | 11 | 26 | 34 | 33 | 34 | 33 | 43 | 48 | 48 | 54 | 54 | 58 | 45 | 45 | 45 | 51 | 45 | 47 | 41 | 5.8 | 65 | 4 | 17.2 | 979 | | |
| 14 | 42 | 42 | 50 | 48 | 41 | 36 | 33 | 32 | 33 | 42 | 52 | 54 | 59 | 66 | 59 | 56 | 54 | 59 | 66 | 64 | 48 | 45 | 46 | 51 | 49 | 18.8 | 74 | 26 | 8.7 | 1178 | | |
| 15 | 55 | 47 | 46 | 53 | 41 | 32 | 1 | 32 | 35 | 32 | 34 | 43 | 48 | 56 | 52 | 49 | 50 | 54 | 44 | 56 | 55 | 54 | 53 | 55 | 45 | 1.9 | 59 | 25 | 6.6 | 1077 | | |
| 16 | 57 | 58 | 58 | 50 | 42 | 33 | 33 | 40 | 42 | 49 | 54 | 57 | 54 | 49 | 47 | 50 | 57 | 58 | 57 | 53 | 51 | 50 | 53 | 55 | 50 | 160 | 59 | 30 | 6.3 | 1207 | | |
| 17 | 57 | 56 | 48 | 43 | 36 | 72 | 37 | 45 | 57 | 68 | 59 | 59 | 63 | 66 | 63 | 65 | 68 | 62 | 58 | 56 | 58 | 55 | 67 | 50 | 57 | 22.3 | 74 | 30 | 5.8 | 1368 | | |
| 18 | 56 | 57 | 57 | 55 | 46 | 38 | 32 | 34 | 41 | 47 | 54 | 53 | 52 | 54 | 52 | 56 | 55 | 58 | 61 | 61 | 58 | 55 | 56 | 60 | 52 | 19.7 | 62 | 31 | 6.7 | 1248 | | |
| 19 | 60 | 65 | 62 | 56 | 46 | 38 | 33 | 36 | 41 | 45 | 45 | 47 | 57 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 48 | 8.6 | 56 | 55 | 3.6 | 631 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее по ВСМ днем | 58 | 57 | 53 | 45 | 31 | 25 | 19 | 24 | 29 | 34 | 40 | 43 | 46 | 45 | 44 | 46 | 50 | 54 | 51 | 49 | 51 | 50 | 50 | 52 | 43 | | 72 | 8 | 64 | | 1046 | |
| | 1106 | 1086 | 1016 | 859 | 584 | 473 | 362 | 423 | 555 | 652 | 718 | 772 | 873 | 914 | 744 | 822 | 897 | 966 | 925 | 879 | 921 | 901 | 902 | 937 | 826 | | 1379 | 150 | 1229 | | 19187 | |

Условные обозначения: Δ — п. часа лампы; > или < — запись вышла за бумагу; Δ — отклонился час; Δ — причина отсутств. записи. Величины, выделенные с магнитограммы — ()

Обработал **Симковская** Проверил _____

Ведомство АН. Каз. ССР

Широта 45°46' Долгота 62°07'

Среднемесячн. 6°39'50"

Обсерватория Н-Казалинск

Элемент Склонение D

Месяц август Год 1970

D = 6°30'00"

8D = 9.163 Угол D 6°35'70"

| Время мировое Дни | | | | | | | | | | | | | | | | | | Средн. суточн. | | | | | Врем Max | | Врем Min | | Ампл | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-------------|-------|-------------|------|-------|-------|------|-------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | Max | Max | Min | Min | Ампл | | | | |
| 1 | 6.5 | 8.4 | 9.0 | 8.8 | Δ | Δ | 8.5 | 5.9 | 2.7 | 0.2 | 23.7 | 23.7 | 0 | 0.5 | 2.2 | 3.0 | 3.6 | 3.5 | 3.8 | 4.3 | 4.7 | 4.8 | 4.9 | 5.2 | 6.3 | 6.2 | 9.2 | 23.8 | 11.4 | -14.6 | 137.9 |
| 2 | 5.8 | 6.1 | 6.7 | 8.0 | Δ | Δ | 4.1 | 1.2 | 24.2 | 24.4 | 24.0 | 0.4 | 2.1 | 3.4 | 3.8 | 3.4 | 3.5 | 3.5 | 3.7 | 4.2 | 4.6 | 5.0 | 5.2 | 5.3 | 6.9 | 3.5 | 8.2 | 24.6 | 9.2 | -16.4 | 152.6 |
| 3 | 5.8 | 7.4 | 8.4 | 8.8 | 14.0 | 11.5 | 8.6 | 6.3 | 4.8 | 4.3 | 4.8 | 5.7 | 7.3 | 8.2 | 9.0 | 7.9 | 7.7 | 8.2 | 8.8 | 9.3 | 9.7 | 10.0 | 10.2 | 10.6 | 8.2 | 4.6 | 14.2 | 4.1 | 9.2 | 10.1 | 197.3 |
| 4 | 11.3 | Δ | Δ | 14.2 | 14.4 | 13.0 | 10.0 | 6.7 | 5.0 | 4.5 | 4.9 | 4.9 | 5.6 | 6.7 | 7.7 | 7.9 | 8.1 | 8.2 | 8.7 | 9.0 | 9.8 | 10.6 | 10.8 | 11.0 | 8.8 | 4.5 | 14.6 | 4.3 | 9.5 | 10.3 | 193.0 |
| 5 | 10.8 | 12.8 | 14.2 | 14.9 | Δ | Δ | Δ | Δ | Δ | 4.0 | 3.4 | 3.6 | 5.6 | 7.2 | 7.9 | 8.1 | 8.2 | 8.2 | 8.1 | 8.7 | 9.2 | 9.7 | 9.7 | 9.7 | 8.6 | 3.3 | 15.2 | 3.2 | 11.1 | 12.0 | 164.0 |
| 6 | 10.3 | 12.5 | 14.4 | 15.2 | 14.8 | 13.3 | 10.8 | 7.5 | 4.1 | 2.2 | 3.3 | 4.2 | 5.5 | 6.9 | 7.1 | 7.0 | 5.8 | 6.7 | 7.5 | 8.5 | 8.7 | 9.6 | 11.8 | 10.5 | 8.7 | 4.1 | 15.4 | 1.9 | 9.7 | 13.5 | 208.2 |
| 7 | 11.8 | 13.5 | 14.8 | 16.0 | Δ | 15.5 | 13.6 | 10.4 | 7.4 | 4.4 | 3.4 | 2.4 | 3.6 | 5.3 | 6.5 | 6.7 | 6.1 | 6.9 | 7.4 | 8.6 | 8.7 | 10.0 | 10.2 | 8.5 | 8.8 | 5.2 | 15.9 | 2.3 | 10.6 | 13.6 | 202.0 |
| 8 | 11.7 | 12.2 | 13.1 | 16.2 | 14.9 | Δ | Δ | 16.0 | 13.9 | 10.6 | 5.4 | 3.5 | 6.6 | 5.9 | 5.3 | 6.6 | 9.2 | 8.5 | 7.9 | 7.5 | 8.2 | 9.7 | 10.2 | 11.6 | 9.8 | 7.4 | 16.7 | 2.6 | 11.3 | 14.1 | 214.7 |
| 9 | 11.6 | 12.6 | 9.4 | 11.9 | 16.0 | 14.6 | 11.3 | 7.2 | 5.2 | 4.0 | 3.7 | 6.9 | 7.5 | 9.7 | 9.4 | 8.4 | 8.7 | 9.7 | 9.2 | 9.8 | 10.1 | 12.1 | 11.0 | 11.6 | 9.6 | 5.7 | 16.7 | 3.0 | 10.5 | 13.7 | 231.6 |
| 10 | 12.2 | 13.7 | 14.9 | 15.3 | 14.9 | 12.2 | 8.8 | 6.0 | 3.8 | Δ | 4.7 | 5.4 | 9.0 | 9.2 | Δ | Δ | Δ | Δ | 8.7 | 8.9 | 9.4 | 9.4 | 10.1 | 10.6 | 9.8 | 3.2 | 15.9 | 3.0 | 8.9 | 12.9 | 187.2 |
| 11 | 11.7 | 14.0 | 15.7 | 16.3 | 15.8 | 12.3 | 9.0 | 5.9 | 4.0 | 3.8 | 3.6 | 4.9 | 6.9 | 10.0 | 11.0 | 9.2 | 8.5 | 8.8 | 8.7 | 9.8 | 10.2 | 10.2 | 10.4 | 9.2 | 9.2 | 4.4 | 16.3 | 3.4 | 10.9 | 12.9 | 229.9 |
| 12 | 9.9 | 11.5 | 12.3 | 13.2 | 13.2 | 12.8 | 9.5 | 6.1 | 4.2 | 4.1 | 4.2 | 4.7 | 6.2 | 8.2 | 9.2 | 8.5 | 8.7 | 8.7 | 9.3 | 9.5 | 9.8 | 10.6 | 11.0 | 11.3 | 8.7 | 4.7 | 13.4 | 3.8 | 8.9 | 9.6 | 216.7 |
| 13 | 11.9 | 13.9 | 15.5 | 14.9 | 12.6 | 9.7 | 6.4 | 3.9 | 2.2 | 2.2 | 4.1 | 6.1 | 8.9 | 9.3 | 8.8 | 9.0 | 9.6 | 9.3 | 9.3 | 11.3 | 11.3 | 10.7 | 11.8 | 10.8 | 8.9 | 2.6 | 15.7 | 1.5 | 10.1 | 14.2 | 223.5 |
| 14 | 11.5 | 13.6 | 15.9 | 16.7 | 15.7 | 12.5 | 9.2 | 6.4 | 4.2 | 3.3 | 2.7 | 3.5 | 5.8 | 8.0 | 6.8 | 8.0 | 8.7 | 8.7 | 9.5 | 10.2 | 10.2 | 9.6 | 10.3 | 11.0 | 8.9 | 4.2 | 16.8 | 2.6 | 10.6 | 14.2 | 222.0 |
| 15 | 11.5 | 13.2 | 14.9 | 13.9 | 14.2 | 11.3 | 8.0 | 5.2 | 3.5 | 3.2 | 4.0 | 5.0 | 6.2 | 8.0 | 8.7 | 8.2 | 8.7 | 8.7 | 9.1 | 9.7 | 10.6 | 10.6 | 10.0 | 11.0 | 8.7 | 2.7 | 15.5 | 2.8 | 10.1 | 12.7 | 217.4 |
| 16 | 11.0 | 11.4 | 14.0 | 14.1 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 12.6 | 3.2 | 15.3 | 9.4 | 0.9 | 5.9 | 50.5 |
| 17 | Δ | Δ | Δ | Δ | Δ | Δ | 18.0 | 17.8 | 17.0 | 15.4 | Δ | 11.2 | 15.1 | 12.5 | 13.1 | 17.1 | 11.9 | 15.9 | 17.6 | 15.9 | 13.1 | 12.9 | 13.0 | 14.8 | 7.8 | 7.8 | 20.9 | 10.2 | 12.8 | 10.7 | 237.5 |
| 18 | 14.2 | 13.9 | 17.5 | 17.9 | 17.6 | 16.8 | 14.9 | 11.8 | 10.2 | 8.8 | 7.1 | 8.2 | 10.3 | 13.6 | 15.2 | 14.6 | 15.3 | 17.5 | 14.1 | 11.8 | 11.4 | 10.8 | 10.5 | 9.2 | 13.0 | 17.1 | 20.7 | 6.1 | 10.6 | 14.6 | 313.2 |
| 19 | 11.0 | 12.3 | 15.2 | 16.7 | 15.9 | 13.6 | 9.8 | 6.7 | 4.4 | 4.0 | 5.6 | 5.3 | 8.8 | 11.9 | 12.0 | 10.7 | 11.6 | 10.2 | 9.6 | 10.2 | 9.7 | 10.2 | 10.2 | 10.5 | 10.2 | 3.2 | 17.8 | 2.4 | 11.3 | 15.4 | 246.1 |
| 20 | 11.3 | 13.6 | 16.0 | 17.6 | 17.6 | 14.9 | 10.8 | 5.3 | 2.3 | 1.9 | 3.2 | 5.3 | 7.1 | 9.2 | 9.7 | 9.2 | 8.7 | 8.9 | 9.2 | 9.0 | 9.5 | 9.3 | 10.2 | 10.3 | 9.6 | 5.1 | 17.8 | 1.7 | 9.2 | 16.1 | 230.1 |
| 21 | 11.0 | 12.8 | 14.6 | 17.0 | 18.0 | 15.5 | Δ | 8.4 | 5.4 | 4.0 | 4.8 | 6.2 | 7.4 | 9.0 | 9.2 | 9.2 | 10.1 | 9.6 | 9.0 | 9.2 | 9.6 | 9.0 | 9.6 | 9.9 | 9.9 | 4.3 | 18.1 | 3.8 | 9.7 | 14.3 | 228.5 |
| 22 | 11.0 | 13.1 | 15.2 | 16.8 | Δ | 17.0 | 13.8 | 8.5 | 3.8 | 0.9 | 1.0 | 2.2 | 4.6 | 8.3 | 10.2 | 10.3 | 9.7 | 10.0 | 9.2 | 9.3 | 8.5 | 9.6 | 9.8 | 9.9 | 9.2 | 5.2 | 17.6 | 0.5 | 10.1 | 17.1 | 212.7 |
| 23 | 10.2 | 10.0 | 13.0 | 15.8 | 17.5 | 8.0 | 4.6 | 3.4 | 4.3 | 5.8 | 8.0 | 10.2 | 10.1 | 9.3 | 9.5 | 10.2 | 8.9 | 8.7 | 8.8 | 8.7 | 9.8 | 10.2 | 11.0 | 12.6 | 9.5 | 4.6 | 17.8 | 3.1 | 7.2 | 14.7 | 228.6 |
| 24 | 13.9 | 14.4 | Δ | Δ | 14.1 | 11.3 | 8.0 | 5.4 | 4.2 | 4.5 | 5.7 | 7.5 | 9.3 | 10.6 | 10.2 | 9.7 | 9.7 | 8.5 | 8.2 | 7.9 | 7.9 | 7.5 | 7.5 | 8.4 | 8.8 | 3.9 | 14.9 | 4.0 | 9.1 | 10.9 | 194.4 |
| 25 | Δ | 11.9 | 13.4 | 13.7 | 14.6 | 14.0 | 12.1 | 9.9 | 8.1 | 6.9 | 8.2 | 9.5 | 10.1 | 11.0 | 11.9 | 11.9 | 11.7 | 9.7 | 8.4 | 8.2 | 8.4 | 8.4 | 9.2 | 8.0 | 10.4 | 4.8 | 14.9 | 6.4 | 9.1 | 8.5 | 239.2 |
| 26 | 8.8 | 11.0 | 13.1 | 13.6 | 12.9 | 10.2 | 8.4 | 6.3 | 4.6 | 5.6 | 4.3 | 6.1 | 9.9 | 11.8 | 11.0 | 11.5 | 11.6 | 9.5 | 10.3 | 10.0 | 9.5 | 9.7 | 9.3 | 10.0 | 9.5 | 4.2 | 14.4 | 4.0 | 10.7 | 10.4 | 229.0 |
| 27 | 10.6 | 12.6 | 12.9 | 13.7 | 13.8 | 12.3 | 10.2 | 8.1 | 6.2 | 5.3 | 5.4 | 5.5 | 6.9 | 8.8 | 11.9 | 13.8 | 11.3 | 10.8 | 11.6 | 10.2 | 10.4 | 10.9 | 12.3 | 11.0 | 10.3 | 15.3 | 15.2 | 5.3 | 11.2 | 9.9 | 246.5 |
| 28 | 11.3 | 12.6 | 13.7 | 14.7 | 14.5 | 13.3 | 11.0 | 8.2 | 5.5 | 4.3 | 4.8 | 5.6 | 7.0 | 8.0 | 9.8 | 10.1 | 10.5 | 10.5 | 10.5 | 10.6 | 11.0 | 11.2 | 11.9 | 8.4 | 9.9 | 4.4 | 15.1 | 4.0 | 9.8 | 11.1 | 239.0 |
| 29 | 11.0 | 12.0 | 13.1 | 14.4 | 12.0 | 11.3 | 9.2 | 7.1 | 5.4 | 5.0 | 5.8 | 6.0 | 7.9 | 8.6 | 9.3 | 9.9 | 9.2 | 9.2 | 9.2 | 9.0 | 9.0 | 9.7 | 9.1 | 9.3 | 9.2 | 4.1 | 13.0 | 4.8 | 9.3 | 8.2 | 221.7 |
| 31 | 9.1 | 9.8 | 11.8 | 13.2 | 12.8 | 10.5 | 7.8 | 5.3 | 4.6 | 4.3 | 4.8 | Δ | 7.9 | 9.0 | 8.6 | 8.4 | 8.4 | 8.2 | 8.4 | 9.0 | 10.5 | 9.0 | 9.1 | 9.2 | 8.7 | 4.2 | 13.9 | 4.0 | 9.1 | 9.9 | 199.7 |
| 31 | 9.3 | 11.2 | 13.1 | 14.2 | 13.6 | 11.3 | 8.2 | 3.7 | 2.7 | 1.3 | 4.1 | 6.1 | 8.8 | 10.3 | 9.7 | 9.0 | 10.0 | 11.5 | 13.1 | 10.6 | 12.4 | 10.1 | 10.0 | 10.3 | 9.4 | 4.0 | 14.6 | 0.1 | 9.1 | 14.5 | 224.6 |
| Среднее по всем дням | 10.6 | 12.0 | 13.4 | 14.4 | 14.8 | 12.7 | 9.5 | 7.3 | 6.2 | 5.3 | 6.3 | 6.0 | 7.1 | 8.7 | 9.1 | 9.1 | 9.3 | 9.0 | 9.2 | 9.3 | 9.6 | 9.7 | 10.0 | 9.9 | 9.5 | | 15.5 | 5.0 | | 10.5 | 228.5 |
| | 308.0 | 348.0 | 375.8 | 417.7 | 355.4 | 318.7 | 246.6 | 210.8 | 178.7 | 154.8 | 128.1 | 168.9 | 214.1 | 261.0 | 264.1 | 263.5 | 262.9 | 262.3 | 275.2 | 280.6 | 288.7 | 291.3 | 300.2 | 297.9 | 294.9 | | 481.7 | 156.7 | | 325.0 | 6539.3 |

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

Обработал Средина

Проверил _____

Ведомство АН. Каз. ССР

Широта 45°46' Долгота 62°07'

Среднемесячн. 6°37'00"

Обсерватория Н-Казалинск

Элемент Склонение τ

Месяц сентябрь Год 1970

τ = 6°30'00"

δ = 0.153 μ τ = 6°32'80"

| Время мировое Дни | | | | | | | | | | | | | | | | | | Средн. суточн. | | | | | Время max | | Время min | | Σ | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|--------------|-------|--------------|------|-------|-------|------|-------|--------|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | max | max | min | min | | | | | | | | |
| 1 | 7.2 | 8.9 | 10.8 | 11.7 | 11.1 | 9.4 | 6.9 | 4.6 | 9.7 | 10.1 | 10.0 | 11.0 | 9.1 | 1.7 | 4.9 | 6.5 | 6.4 | 7.0 | 7.7 | 7.7 | 11.4 | 8.7 | 9.0 | 8.8 | 8.3 | 20.5 | 12.3 | 12.0 | 11.2 | 0.3 | 200.3 | | | |
| 2 | 8.8 | 10.5 | 12.3 | 13.6 | 11.8 | 9.1 | 5.3 | 8.8 | 11.5 | 13.8 | 13.0 | 10.7 | 8.9 | 6.3 | 6.3 | 6.6 | 6.7 | 7.6 | 7.8 | 7.1 | 6.8 | 6.5 | 5.7 | 6.7 | 8.8 | 3.2 | 14.1 | 14.7 | 9.6 | -0.6 | 212.2 | | | |
| 3 | 6.8 | 7.5 | 9.8 | 12.3 | 11.7 | 10.0 | 6.2 | 9.7 | 12.2 | 12.4 | 11.1 | 8.5 | 5.3 | 6.8 | 5.1 | 6.8 | 6.1 | 6.2 | 5.6 | 6.5 | 6.9 | 6.5 | 7.7 | 8.5 | 8.2 | 3.3 | 12.6 | 13.0 | 8.9 | -0.4 | 196.2 | | | |
| 4 | 8.8 | 9.6 | 11.4 | 12.3 | 12.7 | 10.5 | 7.7 | 5.6 | 9.1 | 10.1 | 10.1 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 9.8 | 4.5 | 13.1 | 10.7 | 10.3 | 2.4 | 107.9 | | | | |
| 5 | Δ | Δ | Δ | Δ | 10.0 | 8.6 | 5.7 | 8.8 | 11.2 | 11.2 | 10.2 | 10.2 | 3.9 | 5.4 | 5.1 | 7.5 | 7.8 | 6.1 | 6.5 | 5.9 | 6.6 | 7.1 | 6.3 | 7.6 | 7.6 | 4.1 | 10.8 | 12.0 | 8.9 | -1.2 | 151.7 | | | |
| 6 | 7.5 | 8.2 | 9.7 | 11.1 | 10.1 | 8.6 | 6.8 | 3.6 | 9.7 | 10.4 | 10.1 | 8.8 | 3.3 | 4.4 | 5.1 | 5.5 | 5.4 | 5.6 | 6.0 | 7.2 | 6.9 | 6.8 | 5.1 | 6.6 | 7.2 | 4.7 | 11.4 | 10.6 | 10.1 | 0.8 | 172.5 | | | |
| 7 | 7.1 | 8.0 | 9.0 | 10.5 | 11.7 | 10.6 | 8.0 | 4.5 | 8.9 | 10.0 | 10.0 | 9.0 | 4.4 | 5.2 | 5.1 | 4.7 | 4.7 | 5.1 | 5.2 | 5.4 | 6.9 | 6.2 | 7.7 | 6.7 | 7.3 | 4.5 | 11.7 | 10.8 | 9.7 | 0.9 | 174.6 | | | |
| 8 | 6.5 | 7.7 | 9.8 | 11.1 | 10.9 | 9.4 | 8.0 | 4.6 | 2.9 | 2.9 | 8.8 | 3.1 | 4.0 | 4.6 | 7.2 | 7.7 | 6.4 | 6.3 | 5.8 | 7.9 | 7.1 | 6.5 | 6.5 | 6.5 | 6.8 | 4.1 | 11.4 | 9.1 | 10.1 | 2.3 | 162.2 | | | |
| 9 | 6.7 | 7.9 | 9.4 | 10.5 | 9.8 | 7.7 | 5.1 | 8.8 | 10.7 | 10.6 | 9.7 | 2.9 | 4.4 | 4.8 | 4.5 | 5.0 | 5.6 | 5.9 | 5.6 | 6.2 | 6.2 | 7.4 | 8.2 | 7.9 | 7.1 | 4.2 | 10.8 | 11.1 | 8.4 | -0.3 | 171.5 | | | |
| 10 | 6.9 | 6.5 | 9.1 | 10.8 | 10.1 | 9.0 | 6.9 | 4.8 | 3.2 | 9.1 | 8.6 | 3.5 | 4.5 | 5.2 | 5.3 | 5.3 | 5.6 | 5.9 | 5.9 | 6.2 | 6.2 | 6.1 | 5.8 | 5.8 | 6.5 | 4.1 | 10.7 | 9.2 | 9.8 | 1.5 | 156.3 | | | |
| 11 | 5.9 | 6.6 | 7.4 | 8.5 | 8.6 | 7.2 | 4.6 | 9.1 | 11.2 | 11.8 | 10.4 | 8.7 | 4.3 | 4.8 | 4.8 | 4.8 | 5.1 | 5.4 | 5.7 | 5.7 | 5.8 | 6.0 | 5.6 | 5.8 | 6.8 | 4.1 | 9.1 | 11.9 | 9.3 | -2.8 | 163.8 | | | |
| 12 | 5.9 | 7.1 | 8.4 | 10.5 | 10.8 | 8.7 | 5.7 | 3.2 | 9.3 | 10.4 | 10.1 | 8.8 | 3.5 | 4.1 | 4.3 | 4.5 | 4.8 | 5.1 | 5.6 | 5.3 | 5.6 | 5.9 | 5.9 | 6.2 | 6.6 | 4.3 | 11.1 | 10.8 | 9.9 | 0.3 | 159.7 | | | |
| 13 | 6.5 | 7.4 | 8.6 | 10.0 | 10.9 | 8.8 | 10.2 | 8.7 | 10.3 | 4.9 | 4.5 | 5.2 | 5.9 | 4.5 | 5.1 | 8.9 | 7.7 | 6.0 | 5.9 | Δ | Δ | 9.1 | 8.5 | Δ | 7.5 | 16.9 | 13.0 | 10.3 | 8.8 | 2.7 | 157.6 | | | |
| 14 | Δ | Δ | Δ | Δ | 10.1 | 8.2 | 5.0 | 8.8 | 10.2 | 10.0 | 8.7 | 6.8 | 6.3 | 7.8 | 10.0 | 10.3 | 7.1 | 6.5 | 6.6 | 6.4 | 7.3 | 7.7 | 7.1 | 7.5 | 7.9 | 4.8 | 12.1 | 10.0 | 8.8 | 2.1 | 158.4 | | | |
| 15 | 7.6 | 8.3 | 6.5 | 9.1 | 8.3 | 6.9 | 4.1 | 3.5 | 9.7 | 10.3 | 8.5 | 5.6 | 6.5 | 5.6 | 5.6 | 6.1 | 5.9 | 6.1 | 6.8 | 6.4 | 6.2 | 5.8 | 6.6 | 6.8 | 6.8 | 4.0 | 9.0 | 10.2 | 8.9 | -1.2 | 162.8 | | | |
| 16 | 6.8 | 7.5 | 8.4 | 10.5 | 10.0 | 8.3 | 5.3 | 3.7 | 8.8 | 9.4 | 8.6 | 3.4 | 5.9 | 5.9 | 5.6 | 5.1 | 5.2 | 5.6 | 6.7 | 6.5 | 6.2 | 6.2 | 5.9 | 6.2 | 6.7 | 4.3 | 10.5 | 9.7 | 9.2 | 0.8 | 161.7 | | | |
| 17 | 6.5 | 6.9 | 8.3 | 8.6 | 8.6 | 7.6 | 4.8 | 8.8 | 9.2 | 9.1 | 8.5 | 3.9 | 4.9 | 4.9 | 5.1 | 6.8 | 5.9 | 5.9 | 6.1 | 5.9 | 6.3 | 6.2 | 5.8 | 6.9 | 6.7 | 4.1 | 9.1 | 9.5 | 8.4 | -0.4 | 160.9 | | | |
| 18 | 6.8 | 6.5 | 7.5 | 7.6 | 7.4 | 6.8 | 4.8 | 3.6 | 8.8 | 9.6 | 8.5 | 3.8 | 4.8 | 5.3 | 6.2 | 7.4 | 5.7 | 6.0 | 7.9 | 5.9 | 5.9 | 5.9 | 6.6 | 7.1 | 6.5 | 18.3 | 8.9 | 9.8 | 9.6 | -0.9 | 156.4 | | | |
| 19 | 6.7 | 7.1 | 8.2 | 9.7 | 9.1 | 8.1 | 6.5 | 5.9 | 4.1 | 8.5 | 9.8 | 3.1 | 4.9 | 6.5 | 6.3 | 5.8 | 7.3 | 6.3 | 8.8 | 7.8 | 5.8 | 7.1 | 5.8 | 6.8 | 6.9 | 5.0 | 9.7 | 10.4 | 10.7 | -0.7 | 166.0 | | | |
| 20 | 6.3 | 6.6 | 8.2 | 9.7 | 10.5 | 10.0 | 7.7 | 5.6 | 3.0 | 3.2 | 9.6 | 3.9 | 4.9 | 6.9 | 6.9 | 6.5 | 5.9 | 6.8 | 6.0 | 6.2 | 6.0 | 6.5 | 6.6 | 4.5 | 6.6 | 4.4 | 11.3 | 10.1 | 10.2 | 1.2 | 158.0 | | | |
| 21 | 7.7 | 6.8 | 6.5 | 9.0 | 9.1 | 8.0 | 6.2 | 4.8 | 3.1 | 8.6 | 8.9 | 2.9 | 7.7 | 9.1 | 7.7 | 6.5 | 6.6 | 6.8 | 4.6 | 7.1 | 6.9 | 7.4 | 6.9 | 7.4 | 6.9 | 13.9 | 10.0 | 9.2 | 8.9 | 0.8 | 166.3 | | | |
| 22 | 6.7 | 6.9 | 7.7 | 8.8 | 9.8 | 8.8 | 6.8 | 3.8 | 10.2 | 10.6 | 9.9 | 8.8 | 4.1 | 5.0 | 5.7 | 5.4 | 6.2 | 7.6 | 7.2 | 6.5 | 6.1 | 6.2 | 4.8 | 5.6 | 7.0 | 3.5 | 10.3 | 11.2 | 9.5 | -0.9 | 169.2 | | | |
| 23 | 5.2 | 4.8 | 7.0 | 9.0 | 10.0 | 8.4 | Δ | 8.6 | 9.8 | 9.1 | Δ | 3.9 | 5.3 | 5.2 | 5.1 | 5.1 | 5.7 | 5.9 | 5.8 | 5.8 | 5.7 | 6.2 | 5.9 | 6.0 | 6.5 | 4.7 | 10.1 | 10.1 | 8.3 | 0 | 143.8 | | | |
| 24 | 5.2 | 6.5 | 8.5 | 10.2 | 10.5 | 9.1 | 6.7 | 4.5 | 9.1 | 9.3 | 9.0 | 3.2 | 4.2 | 4.8 | 4.3 | 4.8 | 5.1 | 5.1 | 5.6 | 6.2 | 5.9 | 5.7 | 5.9 | 6.5 | 6.5 | 4.7 | 10.5 | 9.9 | 9.1 | 0.6 | 155.6 | | | |
| 25 | 6.3 | 6.5 | 8.1 | 10.5 | 10.9 | 8.6 | 5.4 | 8.7 | 9.7 | 9.4 | 8.8 | 3.5 | 4.3 | 4.2 | 4.8 | 5.1 | 5.1 | 5.4 | 7.4 | 6.5 | 5.9 | 6.2 | 6.0 | 5.9 | 6.8 | 4.3 | 11.4 | 4.9 | 8.1 | 6.5 | 163.2 | | | |
| 26 | 5.9 | 6.3 | 8.6 | 10.5 | 10.7 | 10.6 | 8.6 | 7.1 | 4.8 | 3.7 | 4.5 | 4.1 | 4.9 | 6.9 | 8.3 | 11.1 | 7.4 | 8.7 | 9.4 | 7.1 | 6.2 | 4.1 | 5.7 | 3.8 | 7.0 | 15.4 | 13.8 | 3.5 | 9.5 | 10.3 | 169.0 | | | |
| 27 | 3.9 | 4.4 | 6.7 | 8.5 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 5.9 | 3.8 | 8.8 | 9.4 | 11.7 | -0.6 | 23.5 | | | |
| 28 | Δ | Δ | Δ | Δ | 10.7 | 9.4 | 7.4 | 5.1 | 3.6 | 3.2 | 8.5 | 3.2 | 3.8 | 4.2 | 4.5 | 4.8 | 4.8 | 5.2 | 5.6 | 5.9 | 6.0 | 6.2 | 5.9 | 5.9 | 5.7 | 4.7 | 10.8 | 9.1 | 11.3 | 1.7 | 113.9 | | | |
| 29 | 5.9 | 6.0 | 6.8 | 8.3 | 9.6 | 9.9 | 8.8 | 5.9 | 3.9 | 8.8 | 9.2 | 3.0 | 4.1 | 4.4 | 4.4 | 4.6 | 4.9 | 4.9 | 5.3 | 5.4 | 5.6 | 5.5 | 5.3 | 5.8 | 6.1 | 6.0 | 10.9 | 9.5 | 10.3 | 1.4 | 146.0 | | | |
| 31 | 5.7 | 5.9 | 6.5 | 8.5 | 8.5 | 8.8 | 6.6 | 4.3 | 9.3 | 10.7 | 10.5 | 9.9 | 8.6 | 3.3 | 3.7 | 3.6 | 4.1 | 4.8 | 5.5 | 5.6 | 6.1 | 6.0 | 6.0 | 6.5 | 6.6 | 5.3 | 9.1 | 11.2 | 9.4 | -2.1 | 159.0 | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее по всем дням | 6.5 | 7.1 | 8.5 | 10.0 | 10.1 | 8.8 | 6.5 | 6.1 | 8.2 | 9.0 | 9.2 | 5.8 | 5.2 | 5.3 | 5.6 | 6.2 | 5.9 | 6.1 | 6.4 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 7.0 | | 10.9 | 10.1 | | 0.8 | 168.8 | | | |
| | 177.8 | 192.9 | 222.2 | 271.4 | 294.0 | 255.4 | 181.8 | 177.5 | 237.2 | 261.2 | 258.1 | 163.4 | 146.7 | 147.8 | 157.0 | 172.2 | 164.6 | 169.8 | 178.6 | 172.3 | 174.5 | 181.7 | 178.8 | 176.3 | 211.6 | | 328.4 | 303.9 | | 24.5 | 4720.2 | | | |

Условные обозначения: Δ — п. гасла лампы; > или < — запись вышла за бумагу;] — остановились часы; / — иные причины отсутств. записи. Величины, взятые приблизительно с магнитограммы — ()

Обработал Средина

Проверил _____

Среднемесячн. 6°36'30"

Ведомство АН. Каз. ССР

Широта 45°46' Долгота 62°07'

Обсерватория Н-Казалинск

Элемент Склонение D

Месяц Октябрь Год 1970

D 6°30'00"

Эв 0.153 мм D 6°32'50"

| Время микро- | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | | | | | | | | | | | | | | | | | 19 20 21 22 23 | | | | | Средн. суточн. | Время Мак Мин | | Время Мак Мин | | Ямпн | | | |
|------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|-------------------|------------------|-------|------------------|-------|-------|------|-------|--------|
| | Дни | | | | | | | | | | | | | | | | | | | | | | | Мак | Мин | Мак | Мин | | | | |
| 1 | 6.1 | 5.2 | 5.8 | 7.0 | 8.4 | 8.6 | 7.0 | Δ | 8.2 | 9.4 | 9.1 | 7.8 | 3.2 | 3.6 | 3.8 | 4.8 | 4.5 | 4.9 | 5.9 | 8.6 | 8.8 | 7.8 | 6.5 | 6.7 | 6.6 | 5.3 | 9.6 | 10.4 | 10.1 | -0.8 | 151.7 |
| 2 | 4.5 | 6.7 | 7.2 | 8.7 | 9.6 | 9.1 | 7.0 | 4.4 | 8.2 | 10.4 | 9.0 | 7.8 | 2.7 | 3.5 | 3.7 | 4.1 | 4.6 | 4.8 | 6.5 | 6.6 | 6.3 | 5.9 | 5.9 | 6.1 | 6.4 | 5.3 | 9.9 | 11.2 | 9.5 | -1.3 | 153.3 |
| 3 | 7.1 | 7.4 | 8.1 | 9.5 | 9.0 | 7.8 | 5.5 | 3.2 | 8.1 | 9.8 | 8.5 | 2.8 | 3.5 | 3.6 | 4.1 | 5.4 | 6.5 | 5.8 | 6.6 | 5.8 | 4.8 | 7.1 | 7.0 | 4.4 | 6.3 | 4.4 | 9.3 | 9.2 | 10.4 | 0.1 | 151.4 |
| 4 | 7.3 | 8.3 | 7.5 | 11.4 | 4.5 | 6.4 | 3.5 | 2.9 | 7.9 | 9.1 | 7.9 | 6.1 | 4.1 | 7.0 | 5.7 | 4.6 | 5.2 | 5.9 | 5.2 | 5.6 | 6.1 | 6.7 | 6.1 | 5.8 | 6.3 | 3.7 | 13.0 | 9.5 | 9.4 | 3.5 | 150.8 |
| 5 | 6.4 | 6.1 | 6.1 | 7.0 | 8.7 | 9.6 | 8.4 | 5.5 | 3.0 | 7.8 | 8.3 | 2.9 | 4.4 | 4.9 | 4.7 | 4.5 | 5.3 | 5.2 | 5.5 | 4.5 | 5.9 | 6.7 | 6.7 | 6.4 | 6.0 | 5.0 | 9.7 | 8.5 | 10.4 | 1.2 | 144.5 |
| 6 | 6.1 | 5.9 | 6.2 | 7.7 | Δ | Δ | Δ | Δ | Δ | 9.6 | 8.4 | 4.2 | 4.7 | 4.8 | 4.7 | 4.8 | 5.1 | 5.2 | 5.5 | 7.0 | 7.1 | 5.4 | 6.9 | 6.6 | 6.1 | 19.5 | 7.2 | 9.7 | 9.5 | -2.5 | 115.9 |
| 7 | 5.9 | 5.6 | 6.6 | 8.1 | 8.7 | 9.0 | 7.5 | 5.2 | 2.9 | 8.2 | 8.5 | 2.9 | 3.8 | 4.2 | 4.3 | 4.4 | Δ | 5.0 | 5.0 | 5.4 | 5.7 | 5.5 | 5.6 | 5.3 | 5.8 | 5.2 | 9.1 | 8.7 | 10.2 | 0.4 | 133.3 |
| 8 | 5.3 | 5.4 | 6.7 | 9.2 | 10.2 | 9.7 | 7.0 | 3.9 | 7.6 | 8.8 | 8.8 | 2.6 | 3.5 | 3.7 | 3.9 | 4.2 | 4.5 | 4.8 | 5.2 | 5.3 | 5.5 | 5.5 | 5.6 | 5.8 | 5.9 | 4.9 | 10.4 | 9.1 | 10.1 | 1.3 | 142.7 |
| 9 | 5.5 | 5.5 | 6.6 | 8.7 | 10.3 | 9.9 | 7.6 | 4.7 | 7.9 | 10.1 | 11.7 | 8.3 | 3.0 | 3.2 | 3.8 | 4.2 | 4.4 | 4.8 | 4.4 | 5.7 | 5.5 | 5.4 | 5.4 | Δ | 6.4 | 5.6 | 10.7 | 10.7 | 10.0 | 0 | 146.6 |
| 10 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 5.3 | 3.1 | 8.2 | 8.4 | 7.6 | 3.2 | 3.1 | 3.3 | 3.8 | 4.7 | 6.3 | 8.1 | 9.4 | 10.3 | 10.4 | 8.6 | 8.7 | 6.6 | 20.1 | 11.1 | 8.5 | 10.8 | 2.6 | 112.5 |
| 11 | 8.1 | 7.1 | 6.5 | 7.5 | 8.6 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 7.6 | 4.3 | 9.0 | 6.1 | 2.4 | 2.9 | 37.8 | |
| 12 | Δ | Δ | Δ | Δ | 2.9 | 7.3 | 7.1 | 4.9 | Δ | 7.6 | 3.5 | 4.1 | 4.8 | 4.7 | 5.0 | 4.9 | 5.4 | 5.8 | 5.9 | 5.8 | 5.9 | 5.8 | 5.7 | 5.2 | 5.4 | 5.8 | 8.1 | 8.1 | 9.9 | 0 | 102.3 |
| 13 | 5.3 | 5.4 | 5.7 | 6.9 | 8.4 | 8.7 | 6.7 | 4.1 | 8.8 | 9.9 | Δ | 4.4 | 6.1 | 4.9 | 4.9 | 7.0 | 7.5 | 7.0 | 6.7 | 5.7 | 6.2 | 5.4 | 5.7 | 5.6 | 6.4 | 15.8 | 9.9 | 10.0 | 9.5 | -0.1 | 147.0 |
| 14 | 5.5 | 4.7 | 6.1 | 8.2 | 9.6 | 9.6 | 8.1 | 5.3 | 2.7 | 9.5 | 9.0 | 3.2 | 4.4 | 5.2 | 4.7 | 5.5 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 6.3 | 5.5 | 10.0 | 9.9 | 9.9 | 0.1 | 101.3 | |
| 15 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 2.9 | 9.0 | 4.1 | 2.8 | 4.4 | 4.9 | 5.2 | 4.7 | 4.8 | 5.0 | 5.2 | 5.2 | 5.2 | 5.6 | 5.3 | 5.4 | 5.0 | 4.2 | 9.9 | 9.5 | 10.1 | 0.4 | 79.7 |
| 16 | 5.4 | 5.5 | 6.6 | 8.8 | 10.9 | 10.7 | 8.7 | 6.0 | 3.2 | 10.3 | 8.8 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 7.7 | 4.9 | 11.4 | 11.6 | 9.4 | -0.2 | 84.9 | |
| 17 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 19.8 | 17.0 | 3.8 | 9.8 | 13.2 | Δ | |
| 18 | Δ | Δ | Δ | Δ | 11.0 | 12.6 | 9.2 | 6.4 | 5.8 | 3.5 | 3.8 | 5.2 | 5.8 | 6.5 | 6.8 | 8.2 | 6.4 | 8.0 | 7.3 | 7.0 | 7.1 | 5.6 | 5.7 | 7.3 | 7.1 | 4.4 | 14.3 | 3.0 | 10.1 | 11.3 | 142.2 |
| 19 | 6.8 | 6.5 | 6.5 | 7.6 | 9.1 | 8.9 | 7.3 | 6.2 | 5.0 | 2.9 | 3.0 | 4.1 | 5.1 | 6.1 | 6.0 | 5.5 | 8.1 | 6.4 | 6.9 | 6.5 | 6.6 | 6.8 | 6.6 | 6.6 | 6.3 | 4.8 | 9.6 | 0 | 9.9 | 9.6 | 151.1 |
| 20 | 6.7 | 6.4 | 6.8 | 8.1 | 9.2 | 9.0 | 7.7 | 5.8 | 3.5 | 3.4 | 6.4 | 5.2 | 5.8 | 6.0 | 6.0 | 5.6 | 5.6 | 5.6 | 5.9 | 6.1 | 6.1 | 6.4 | 6.2 | 6.5 | 6.3 | 4.9 | 9.4 | 2.6 | 9.2 | 6.8 | 150.2 |
| 21 | 6.4 | 6.2 | 6.7 | 8.1 | 9.6 | 9.9 | 8.5 | 6.2 | 3.2 | 7.9 | 3.0 | 4.1 | 4.6 | 4.5 | 4.5 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 6.2 | 5.3 | 10.2 | 8.2 | 9.3 | 2.0 | 93.4 | |
| 22 | Δ | Δ | Δ | Δ | 10.4 | 9.6 | 5.8 | 4.1 | 7.6 | 3.3 | 4.2 | 5.5 | 5.6 | 6.3 | 6.4 | 9.9 | 10.8 | 11.0 | 12.2 | 13.6 | 11.8 | 10.4 | 8.7 | 7.3 | 8.2 | 19.6 | 14.1 | 8.1 | 8.6 | 6.0 | 164.5 |
| 23 | 5.5 | 6.5 | 7.8 | 9.5 | 9.3 | 7.4 | 4.1 | 8.3 | 9.4 | 9.5 | 8.5 | 3.1 | 4.5 | 2.6 | 4.1 | 7.0 | 8.2 | 10.5 | 11.8 | 13.7 | 15.0 | 11.9 | 8.1 | 10.0 | 8.2 | 20.5 | 15.4 | 10.1 | 9.0 | 5.3 | 196.3 |
| 24 | 5.3 | 5.8 | 6.6 | 9.0 | 10.1 | 10.5 | 7.6 | 4.1 | 4.2 | 8.2 | 3.8 | 5.8 | 6.4 | 8.0 | 6.2 | 6.1 | 6.2 | 6.1 | 6.2 | 7.1 | 6.2 | 5.8 | 5.8 | 5.4 | 6.5 | 5.6 | 10.8 | 8.4 | 9.6 | 2.4 | 156.5 |
| 25 | 5.1 | 5.5 | 6.4 | 8.5 | 10.0 | 9.5 | 7.1 | 4.4 | 7.8 | 8.4 | 7.6 | 3.9 | 5.3 | 6.8 | 5.3 | 5.7 | 6.7 | 6.8 | 6.5 | 6.1 | 5.9 | 5.6 | 5.3 | 5.3 | 6.5 | 4.8 | 10.4 | 8.5 | 9.0 | 1.9 | 155.5 |
| 26 | 5.2 | 5.4 | 6.1 | 8.7 | 10.2 | 9.1 | 5.9 | 2.8 | 9.4 | Δ | Δ | 3.5 | 3.9 | 4.7 | 4.8 | 5.0 | 5.3 | 6.2 | 6.0 | 5.8 | 5.5 | 5.2 | 5.5 | 5.5 | 5.9 | 4.6 | 10.5 | 9.5 | 9.0 | 1.0 | 129.7 |
| 27 | 5.2 | 5.5 | 6.3 | 8.1 | 9.1 | 8.3 | 5.6 | 2.8 | 8.7 | 8.9 | 7.6 | 3.2 | 3.6 | 3.7 | 4.1 | 4.4 | 4.6 | 4.8 | 5.3 | 5.2 | 5.5 | 4.7 | 6.2 | 5.2 | 5.7 | 4.9 | 9.3 | 9.4 | 8.6 | -0.1 | 136.6 |
| 28 | 5.1 | 5.8 | 5.1 | 7.8 | 9.4 | 8.8 | 7.0 | 4.7 | 3.1 | 2.6 | 3.3 | 3.9 | 3.9 | 4.5 | 4.6 | 6.1 | 6.5 | 6.4 | 7.4 | 8.9 | 9.2 | 10.4 | 7.8 | 5.2 | 6.1 | 21.7 | 10.8 | 2.6 | 9.6 | 8.2 | 147.5 |
| 29 | 5.2 | 5.6 | 6.0 | 8.0 | 9.3 | 8.7 | 6.5 | 5.2 | 3.7 | 8.5 | 3.2 | 3.0 | 3.5 | 2.8 | 3.9 | 4.1 | 4.7 | 7.7 | 5.3 | 8.7 | 11.3 | 8.0 | 6.8 | 6.7 | 6.1 | 20.2 | 11.7 | 9.1 | 9.6 | 2.6 | 146.4 |
| 30 | 6.7 | 6.6 | 5.6 | 7.3 | 8.7 | 9.2 | 7.3 | 5.0 | 3.8 | 3.6 | 4.1 | 4.4 | 4.2 | 4.1 | 4.4 | 4.8 | 5.4 | 5.3 | 5.8 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.7 | 4.9 | 9.6 | 2.9 | 9.0 | 6.7 | 136.8 |
| 31 | 5.8 | 5.7 | 6.1 | 7.6 | 9.4 | 8.4 | 6.0 | 3.5 | 2.6 | 3.0 | Δ | Δ | Δ | 4.5 | 4.5 | 5.0 | 4.8 | 5.5 | 5.8 | 6.0 | 6.0 | 6.2 | 6.2 | 6.0 | 5.6 | 4.7 | 9.7 | 7.9 | 8.5 | 1.8 | 118.6 |
| Среднее по РСМ ДЭСМ | 5.9 | 6.0 | 6.5 | 8.3 | 9.2 | 9.1 | 6.9 | 4.8 | 5.6 | 7.6 | 6.6 | 4.5 | 4.4 | 4.7 | 4.8 | 5.4 | 5.8 | 6.2 | 6.5 | 7.0 | 7.1 | 6.8 | 6.4 | 6.2 | 6.3 | | 10.7 | 7.9 | | 2.8 | 152.3 |
| Σ | 147.5 | 150.3 | 161.7 | 207.0 | 247.6 | 236.3 | 179.7 | 124.9 | 152.3 | 211.4 | 172.5 | 122.4 | 118.0 | 132.2 | 133.4 | 144.7 | 145.8 | 160.8 | 168.1 | 181.4 | 185.6 | 176.3 | 166.0 | 155.1 | 191.2 | | 331.1 | 244.8 | | 86.3 | 3981.0 |

Условные обозначения: Δ - п. глаза лампы; > или < - запись вышла за бумагу; - - - - - отклонение в часы; Δ - ...
Причины отсутств. записи: Ветряные, взрывы приблизительно с магнитотряса ()

Обработал Фригина

Проверил

Ведомство АН. Каз. ССР
 Обсерватория Н-Казалинск
 Месяц Октябрь Год 1970

Широта 45°46' Долгота 62°07'

Элемент Горизонтальная составляющая H
H = 22630 + Эн = 106/мм H₀ = 22665

| Время мировое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | | | | | |
|-------------------------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|-------|------|------|-----|------|-------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | max | max | min | min | Амп. | | | |
| 1 | 57 | 59 | 60 | 55 | 44 | 30 | Δ | 27 | 16 | 62 | 67 | 65 | 61 | 57 | 58 | 54 | 59 | 58 | 67 | 62 | 49 | 52 | 54 | 50 | 53 | 186 | 74 | 34 | 6.1 | 40 | 1223 |
| 2 | 54 | 51 | 52 | 49 | 39 | 40 | 44 | 38 | 51 | 60 | 55 | 59 | 57 | 54 | 55 | 55 | 60 | 61 | 51 | 59 | 60 | 58 | 61 | 57 | 53 | 198 | 67 | 23 | 63 | 44 | 1280 |
| 3 | 58 | 57 | 56 | 51 | 44 | 40 | 39 | 42 | 46 | 60 | 64 | 66 | 62 | 60 | 58 | 54 | 49 | 50 | 51 | 62 | 67 | 66 | 54 | 65 | 55 | 238 | 69 | 37 | 60 | 32 | 1321 |
| 4 | 61 | 53 | 56 | 37 | 32 | 32 | 33 | 15 | 21 | 30 | 33 | 38 | 40 | 39 | 48 | 46 | 55 | 57 | 67 | 57 | 55 | 50 | 51 | 55 | 44 | 185 | 76 | 11 | 75 | 66 | 1061 |
| 5 | 53 | 54 | 54 | 58 | 50 | 41 | 22 | 36 | 1 | 42 | 51 | 57 | 57 | 58 | 57 | 55 | 57 | 55 | 56 | 62 | 62 | 59 | 55 | 53 | 50 | 194 | 65 | 13 | 6.7 | 52 | 1205 |
| 6 | 55 | 54 | 56 | 57 | Δ | Δ | Δ | 23 | Δ | Δ | 64 | 62 | 61 | 59 | 58 | 59 | 60 | 61 | 61 | 61 | 63 | 62 | 65 | 59 | 58 | 219 | 69 | 21 | 7.2 | 48 | 1100 |
| 7 | 60 | 61 | 62 | 58 | 54 | 50 | 46 | 45 | 49 | 57 | 64 | Δ | 59 | 58 | 62 | 62 | Δ | 64 | 65 | 64 | 64 | 63 | 65 | 64 | 59 | 219 | 67 | 41 | 7.1 | 26 | 1296 |
| 8 | 63 | 65 | 62 | 57 | 48 | 39 | 69 | 70 | 41 | 53 | 63 | 66 | 64 | 64 | 64 | 64 | 65 | 66 | 66 | 63 | Δ | 65 | 64 | 63 | 58 | 11.0 | 67 | 32 | 7.0 | 35 | 1404 |
| 9 | 64 | 65 | 65 | 63 | 51 | 40 | 30 | 29 | 0 | 22 | 58 | 61 | 64 | 64 | 64 | 63 | 63 | 61 | 61 | 62 | 64 | 65 | 65 | Δ | 54 | 19.5 | 65 | 27 | 7.0 | 38 | 1244 |
| 10 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 39 | 41 | 59 | 68 | 68 | 65 | 67 | 67 | 65 | 63 | 60 | 49 | 44 | 38 | 40 | 48 | 59 | 55 | 13.7 | 72 | 38 | 7.7 | 34 | 940 |
| 11 | 65 | 72 | 66 | 51 | 43 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 59 | Δ | Δ | Δ | Δ | Δ | 297 |
| 12 | Δ | Δ | Δ | Δ | 37 | 39 | 33 | 16 | Δ | 16 | 20 | 24 | 26 | 32 | 43 | 47 | 49 | 50 | 51 | 53 | 54 | 55 | 54 | 55 | 31 | 21 | 57 | 12 | 8.9 | 45 | 754 |
| 13 | 55 | 55 | 57 | 58 | 49 | 38 | 26 | 29 | 45 | 56 | Δ | 50 | 38 | 43 | 48 | 43 | 40 | 39 | 48 | 55 | 49 | 48 | 47 | 47 | 44 | 3.4 | 59 | 24 | 6.4 | 35 | 1063 |
| 14 | 47 | 46 | 54 | 45 | 37 | 31 | 22 | 14 | 19 | 34 | 39 | 70 | 37 | 40 | 45 | 48 | 49 | Δ | Δ | Δ | Δ | Δ | Δ | 40 | 16.7 | 50 | 11 | 7.9 | 39 | 677 | |
| 15 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 31 | 39 | 47 | 53 | 55 | 51 | 49 | 54 | 57 | 59 | 60 | 60 | 58 | 59 | 57 | 57 | 53 | 212 | 62 | 29 | 8.3 | 33 | 846 |
| 16 | 57 | 58 | 58 | 55 | 58 | 38 | 33 | 36 | 42 | 65 | 61 | 44 | 88 | 83 | Δ | Δ | Δ | 87 | 86 | 69 | 74 | 67 | 60 | 61 | 61 | 92 | 82 | -22 | 12.5 | 104 | 1280 |
| 17 | 58 | 55 | 46 | 49 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 52 | Δ | Δ | Δ | Δ | Δ | 208 |
| 18 | Δ | Δ | Δ | Δ | 88 | 27 | 25 | 33 | 29 | -4 | 9 | 6 | 3 | 7 | 9 | 4 | 40 | 21 | 23 | 23 | 28 | 39 | 37 | 33 | 24 | 16.3 | 60 | -40 | 7.6 | 100 | 480 |
| 19 | 70 | 34 | 33 | 70 | 26 | 14 | 9 | 4 | -3 | 20 | 24 | 20 | 14 | 9 | 11 | 19 | 23 | 29 | 41 | 40 | 40 | 38 | 39 | 38 | 28 | 188 | 48 | -12 | 8.3 | 60 | 662 |
| 20 | 38 | 38 | 41 | 39 | 30 | 17 | 7 | 7 | 15 | 16 | 19 | 24 | 15 | 44 | 28 | 30 | 37 | 42 | 42 | 52 | 41 | 43 | 43 | 41 | 31 | 17.3 | 44 | 4 | 7.2 | 40 | 749 |
| 21 | 42 | 42 | 44 | 44 | 41 | 00 | 25 | 50 | 29 | 42 | 45 | 45 | 46 | 47 | 48 | 48 | 49 | 49 | 49 | 49 | 50 | 50 | Δ | Δ | 42 | 21.6 | 51 | 19 | 7.2 | 42 | 934 |
| 22 | Δ | Δ | Δ | Δ | 5 | -5 | 5 | 3 | 13 | 11 | 9 | 10 | 10 | 64 | 74 | 88 | 78 | 32 | 26 | 18 | 15 | 11 | 15 | 55 | 27 | 17.3 | 39 | -20 | 15.2 | 59 | 537 |
| 23 | 22 | 26 | 32 | 25 | 29 | 22 | 13 | 26 | 24 | 33 | 33 | 44 | 54 | 63 | -3 | -6 | -4 | -4 | -5 | 87 | -20 | -12 | 23 | 19 | 22 | 102 | 0 | -25 | 20.5 | 25 | 521 |
| 24 | 19 | 14 | 14 | 8 | 12 | -3 | -1 | 11 | -3 | 14 | 17 | 61 | 10 | 21 | 27 | 29 | 34 | 0 | 45 | 45 | 36 | 69 | 69 | 0 | 23 | 188 | 57 | -14 | 6.1 | 71 | 548 |
| 25 | 40 | 43 | 45 | 41 | 31 | 21 | 10 | 7 | 21 | 69 | 39 | 39 | 25 | 41 | 34 | 36 | 44 | 52 | 44 | 49 | 49 | 48 | 47 | 47 | 38 | 168 | 60 | 4 | 7.3 | 54 | 922 |
| 26 | 48 | 47 | 47 | 45 | 39 | 26 | 20 | 25 | 32 | Δ | Δ | Δ | 33 | 37 | 41 | 44 | 46 | 45 | 48 | 49 | 50 | 51 | 50 | 50 | 42 | 21.3 | 53 | 19 | 6.6 | 34 | 873 |
| 27 | 49 | 50 | 54 | 49 | 42 | 36 | 30 | 30 | 40 | 52 | 60 | 60 | 59 | 57 | 57 | 58 | 57 | 59 | 57 | 59 | 57 | 62 | 54 | 57 | 52 | 21.7 | 70 | 27 | 6.7 | 43 | 1245 |
| 28 | 57 | 57 | 57 | 67 | 51 | 39 | 21 | 22 | 0 | 45 | 45 | 47 | 49 | 48 | 42 | 39 | 39 | 42 | 48 | 65 | 47 | 70 | 26 | 40 | 44 | 19.4 | 73 | 12 | 7.1 | 61 | 1063 |
| 29 | 40 | 39 | 43 | 41 | 32 | 24 | 20 | 24 | 29 | 32 | 32 | 41 | 47 | 39 | 42 | 48 | 48 | 38 | 56 | 57 | 30 | 43 | 48 | 51 | 39 | 191 | 77 | 17 | 6.4 | 60 | 944 |
| 31 | 43 | 41 | 37 | 44 | 69 | 31 | 27 | 23 | 46 | 47 | 28 | 37 | 40 | 54 | 42 | 46 | 57 | 48 | 47 | 49 | 50 | 51 | 51 | 51 | 44 | 167 | 61 | 21 | 7.3 | 40 | 1059 |
| 31 | 51 | 51 | 51 | 47 | 69 | 28 | 25 | 44 | 39 | 0 | 45 | Δ | Δ | 46 | 44 | 45 | 45 | 49 | 49 | 51 | 56 | 51 | 49 | 49 | 45 | 207 | 58 | 24 | 7.1 | 34 | 984 |
| Среднее по всем дням | 49 | 48 | 48 | 47 | 42 | 27 | 25 | 27 | 26 | 38 | 41 | 45 | 44 | 48 | 45 | 46 | 47 | 48 | 50 | 54 | 46 | 44 | 44 | 46 | 44 | 1380 | 57 | 12 | 45 | 1069 | |
| Σ | 1326 | 1287 | 1302 | 1263 | 1150 | 735 | 633 | 768 | 714 | 1032 | 1159 | 1217 | 1239 | 1406 | 1272 | 1294 | 1319 | 1330 | 1409 | 1525 | 1286 | 1423 | 1351 | 1276 | 1380 | 1752 | 367 | 1385 | 28720 | | |

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

Обработал Синьковская Проверил _____

Ведомство АН. Каз. ССР
Обсерватория Н-Казалинск
Месяц ноябрь Год 1970

Широта 45°46' Долгота 62°07'

Элемент Склонение D.

D = 6°30'00" 8D = 0.154 D = 6°33'30"

| Время мирное | Дни | | | | | | | | | | | | | | | | | |
|-----------------|------|------|------|-----|------|------|-----|-----|------|------|-----|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
| 1 | 6.5 | 6.7 | 7.2 | 8.6 | 10.2 | 10.1 | 8.0 | 5.5 | 3.7 | 9.9 | 3.4 | 4.4 | 5.1 | 4.9 | 4.9 | 5.2 | 5.5 | 5.9 |
| 2 | 6.0 | 6.1 | 6.8 | 8.7 | 10.5 | 8.2 | 6.1 | 3.6 | 10.3 | 10.1 | 3.4 | 4.9 | 4.9 | 4.9 | 5.5 | 5.5 | 5.6 | 5.9 |
| 3 | 6.5 | 7.9 | 7.4 | 8.7 | 8.3 | 7.9 | 6.4 | 4.9 | 3.5 | 3.7 | 4.6 | 3.5 | 5.2 | 5.6 | 5.8 | 5.5 | 5.9 | 6.9 |
| 4 | 6.5 | 7.0 | 6.8 | 7.9 | 8.7 | 8.5 | 6.8 | 4.6 | 10.0 | 10.0 | 3.4 | 4.2 | 5.5 | 5.5 | 5.3 | 5.4 | 5.8 | 6.3 |
| 5 | 7.4 | 6.2 | 7.0 | 7.4 | 8.9 | 8.9 | 7.6 | 5.9 | 4.9 | 4.3 | 4.4 | 5.0 | 5.1 | 4.7 | 5.2 | 7.1 | 6.0 | 6.1 |
| 6 | 6.1 | 5.0 | 4.5 | 5.7 | 7.7 | 7.1 | 6.7 | 6.9 | 5.7 | 5.5 | 5.7 | 5.5 | 7.9 | 8.7 | 8.2 | 8.6 | 7.7 | 6.9 |
| 7 | 6.3 | 13.3 | 10.5 | 5.6 | 9.1 | 4.3 | 6.8 | 9.4 | 9.8 | 9.4 | 9.2 | 11.1 | 6.3 | 9.3 | 12.8 | 9.4 | 10.0 | 9.5 |
| 8 | 7.4 | 8.6 | 8.9 | 9.3 | 10.6 | 9.5 | 5.9 | 4.9 | 4.6 | 4.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.9 | 8.2 | 7.0 | 7.0 |
| 9 | 6.2 | 7.0 | 7.6 | 8.6 | 9.8 | 8.6 | 6.8 | 5.2 | 3.7 | 4.8 | 6.3 | 6.4 | 5.9 | 6.1 | 6.4 | 8.8 | 8.2 | 8.3 |
| 10 | 6.5 | 6.8 | 6.5 | 7.5 | 8.8 | 9.1 | 7.9 | 6.4 | 5.5 | 4.9 | 7.3 | 8.2 | 5.8 | 5.5 | 8.3 | 8.9 | 8.5 | 8.9 |
| 11 | 5.8 | 11.5 | 6.1 | 7.0 | 8.6 | 8.4 | 7.1 | 5.8 | 5.8 | 5.8 | 6.8 | 6.4 | 6.8 | 8.1 | 7.6 | 7.5 | 9.2 | 7.9 |
| 12 | Δ | Δ | 7.0 | 7.2 | 8.2 | 8.2 | 7.5 | 6.7 | 6.7 | 6.2 | 6.9 | 7.7 | 6.7 | 9.1 | 9.1 | 7.3 | 7.0 | 6.5 |
| 13 | 6.5 | 6.3 | 6.1 | 6.3 | 8.1 | 8.0 | 7.8 | 6.4 | 5.5 | 5.5 | 6.2 | 7.0 | 7.3 | 9.1 | 7.6 | 7.6 | 7.9 | 8.5 |
| 14 | 5.8 | 5.7 | 6.2 | 7.0 | 7.6 | 7.9 | 7.3 | 6.0 | 4.6 | 4.6 | 5.7 | 6.0 | 6.1 | 6.1 | 6.3 | 6.0 | 7.5 | 7.3 |
| 15 | 6.7 | 6.6 | 6.5 | 6.4 | 7.2 | 8.2 | 7.4 | 5.5 | 4.3 | 4.3 | 4.4 | 4.9 | 5.0 | 5.2 | 5.2 | 5.5 | 5.6 | 5.9 |
| 16 | 6.1 | 6.1 | 6.1 | 6.5 | 7.6 | 7.7 | 6.4 | 4.7 | 4.0 | 3.9 | 4.3 | 4.7 | 5.0 | 4.2 | 3.8 | 3.4 | 4.4 | 7.4 |
| 17 | 5.8 | 5.8 | 6.1 | 6.8 | 7.3 | 7.3 | 6.1 | 4.7 | 10.6 | 10.3 | 4.4 | 5.3 | 5.3 | 5.0 | 4.8 | 4.9 | 5.3 | 5.5 |
| 18 | 5.5 | 5.6 | 6.4 | 6.8 | 8.1 | 7.9 | 7.3 | 5.8 | 4.1 | 4.3 | 4.6 | 4.9 | 4.9 | 3.8 | 10.9 | 7.6 | 7.3 | 6.4 |
| 19 | 12.9 | 11.3 | 7.9 | 6.7 | 5.8 | 6.6 | 8.2 | 7.6 | 6.1 | 6.0 | 6.1 | 6.9 | 7.1 | 7.2 | 7.2 | 7.1 | 7.1 | 7.2 |
| 20 | 6.7 | 6.9 | 7.0 | 7.3 | 8.6 | 9.0 | 8.2 | 6.4 | 4.7 | 4.3 | 5.3 | 5.9 | 6.1 | 5.9 | 5.8 | 5.8 | 5.8 | 5.8 |
| 21 | 5.5 | 5.8 | 5.3 | 5.6 | 7.4 | 8.2 | 7.2 | 7.5 | 7.3 | 9.4 | 9.7 | 10.4 | 10.3 | 16.5 | 12.6 | 11.8 | 11.8 | 10.0 |
| 22 | 6.1 | 5.2 | 5.9 | 4.3 | 7.6 | 8.5 | 7.9 | 6.7 | 6.8 | 5.9 | 7.5 | 6.8 | 7.6 | 8.5 | 8.5 | 9.8 | 11.0 | 12.7 |
| 23 | 7.1 | 6.8 | 6.1 | 6.4 | 8.2 | 8.6 | 8.2 | 7.5 | 6.0 | 5.7 | 6.8 | 6.5 | 6.8 | 6.6 | 10.8 | 10.9 | 16.1 | 11.8 |
| 24 | 7.0 | 7.0 | 7.2 | 7.1 | 8.2 | 6.7 | 5.3 | 4.6 | 4.7 | 4.7 | 5.5 | 5.4 | 5.6 | 5.9 | 5.9 | 5.9 | 7.4 | 8.9 |
| 25 | 6.4 | 5.8 | 5.8 | 6.5 | 6.9 | 7.7 | 7.1 | 5.7 | 3.7 | 3.8 | 4.6 | 4.7 | 5.2 | 5.1 | 5.5 | 6.1 | 6.6 | 9.1 |
| 26 | 5.1 | 5.5 | 6.1 | 6.4 | 8.2 | 9.0 | 7.4 | 5.5 | 5.3 | 10.1 | 4.1 | 5.5 | 5.6 | 5.6 | Δ | 7.6 | 7.0 | 7.2 |
| 27 | 7.6 | 5.9 | 5.8 | 5.9 | 7.3 | 7.9 | 7.2 | 7.3 | 4.4 | 4.0 | 5.3 | 5.3 | 5.9 | 8.3 | 6.1 | 6.1 | 6.4 | 7.3 |
| 28 | 6.1 | 5.7 | 6.1 | 6.7 | 7.9 | 8.4 | 6.7 | 4.2 | 3.9 | 4.6 | 5.8 | 6.2 | 5.6 | 6.6 | 6.4 | 7.9 | 6.6 | 6.4 |
| 29 | 5.9 | 6.1 | 6.3 | 6.7 | 7.3 | 7.6 | 6.7 | 5.5 | 4.6 | 3.8 | 4.6 | 5.0 | 5.4 | 5.5 | 5.5 | 5.5 | 5.5 | 5.9 |
| 30 | 5.5 | 5.5 | 5.6 | 5.8 | 6.8 | 7.6 | 6.9 | 6.1 | 4.8 | 3.8 | 3.5 | 4.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.6 | 5.9 |
| 31 | | | | | | | | | | | | | | | | | | |

| Средн. суточн. | Время | | | | | Средн. суточн. | Время | | | | | | |
|-------------------|-------|------|------|-----|------|-------------------|-------|------|------|------|-------|------|-------|
| | 19 | 20 | 21 | 22 | 23 | | Max | Max | Min | Min | Ампл. | | |
| 6.4 | 6.1 | 6.1 | 6.1 | 6.4 | 6.1 | 6.1 | 6.4 | 5.0 | 10.6 | 10.3 | 8.9 | 0.3 | 152.6 |
| 6.4 | 6.2 | 6.2 | 6.1 | 6.2 | 6.1 | 6.4 | 6.4 | 4.6 | 10.6 | 10.8 | 8.1 | -0.2 | 154.0 |
| 6.6 | 8.2 | 8.7 | 8.7 | 7.7 | 9.2 | 8.0 | 6.6 | 3.8 | 9.2 | 10.2 | 9.1 | -1.0 | 158.7 |
| 6.8 | 6.7 | 6.8 | 7.9 | 7.3 | 8.2 | 7.7 | 6.8 | 5.1 | 9.1 | 10.2 | 8.6 | -1.1 | 162.8 |
| 6.2 | 5.9 | 6.1 | 5.9 | 5.6 | 6.8 | 6.4 | 6.2 | 4.8 | 9.4 | 4.0 | 9.6 | 5.4 | 148.8 |
| 6.6 | 6.7 | 6.4 | 6.5 | 5.3 | 6.9 | 6.8 | 6.6 | 13.0 | 11.6 | 5.1 | 9.1 | 6.5 | 158.7 |
| 8.4 | 6.6 | 4.6 | 5.0 | 8.2 | 8.0 | 6.7 | 8.4 | 14.4 | 14.6 | 16.6 | 1.9 | -2.0 | 201.2 |
| 7.2 | 6.8 | 6.8 | 6.6 | 6.8 | 6.5 | 6.4 | 7.2 | 4.1 | 10.9 | 4.5 | 8.7 | 6.4 | 172.6 |
| 6.9 | 7.3 | 7.3 | 6.1 | 5.9 | 6.8 | 6.7 | 6.9 | 4.8 | 10.0 | 3.6 | 8.7 | 6.4 | 164.8 |
| 7.2 | 7.1 | 7.0 | 7.4 | 6.4 | 6.6 | 6.6 | 7.2 | 15.2 | 11.0 | 4.3 | 9.5 | 6.7 | 172.4 |
| 7.3 | 7.0 | 7.0 | 6.4 | 6.7 | 8.0 | 7.0 | 7.3 | 16.8 | 9.9 | 13.1 | 1.4 | -3.2 | 174.3 |
| 7.2 | 6.4 | 6.4 | 6.5 | 6.7 | 6.7 | 6.7 | 7.2 | 14.1 | 11.1 | 5.0 | 9.3 | 6.1 | 157.4 |
| 7.2 | 8.8 | 8.3 | 8.0 | 8.3 | 6.7 | 6.4 | 7.2 | 13.9 | 9.9 | 5.3 | 9.2 | 4.6 | 174.2 |
| 6.5 | 6.2 | 8.7 | 6.7 | 6.8 | 6.7 | 6.7 | 6.5 | 19.3 | 9.9 | 3.9 | 8.3 | 6.0 | 155.5 |
| 6.2 | 6.3 | 6.7 | 8.6 | 7.9 | 7.2 | 6.4 | 6.2 | 20.3 | 8.9 | 4.1 | 10.2 | 4.8 | 147.9 |
| 5.5 | 6.1 | 6.3 | 5.8 | 6.6 | 5.5 | 6.2 | 5.5 | 5.1 | 8.0 | 10.2 | 15.5 | -2.2 | 132.8 |
| 6.2 | 5.9 | 6.2 | 6.2 | 6.4 | 6.1 | 6.3 | 6.2 | 4.8 | 8.2 | 11.2 | 8.7 | -3.0 | 148.4 |
| 6.8 | 6.9 | 6.7 | 7.1 | 7.9 | 10.7 | 12.2 | 6.8 | 15.7 | 9.0 | 11.5 | 14.5 | -2.5 | 163.7 |
| 7.4 | 7.3 | 7.3 | 7.1 | 7.0 | 6.7 | 6.7 | 7.4 | 0.6 | 13.5 | 5.2 | 7.8 | 8.3 | 177.1 |
| 6.2 | 5.8 | 6.1 | 6.1 | 5.8 | 5.4 | 5.2 | 6.2 | 5.7 | 9.4 | 4.1 | 8.9 | 5.3 | 149.9 |
| 8.4 | 7.8 | 7.2 | 6.7 | 6.3 | 6.1 | 6.3 | 8.4 | 13.6 | 16.5 | 6.1 | 8.6 | 10.4 | 202.7 |
| 8.4 | 13.8 | 12.5 | 11.5 | 9.7 | 8.6 | 7.9 | 8.4 | 18.9 | 15.3 | 5.3 | 9.5 | 10.0 | 201.3 |
| 8.3 | 9.4 | 13.3 | 8.1 | 6.6 | 5.4 | 6.2 | 8.3 | 16.8 | 16.6 | 4.9 | 9.7 | 11.7 | 198.9 |
| 6.8 | 9.1 | 8.8 | 8.7 | 8.8 | 8.6 | 6.1 | 6.8 | 19.0 | 10.6 | 3.4 | 8.5 | 7.2 | 163.1 |
| 6.4 | 10.3 | 8.8 | 7.9 | 8.1 | 6.2 | 6.1 | 6.4 | 18.0 | 12.8 | 10.0 | 8.5 | 2.8 | 153.7 |
| 6.7 | 6.5 | 7.3 | 7.6 | 7.2 | 7.0 | 6.4 | 6.7 | 15.7 | 9.9 | 10.4 | 9.8 | -0.5 | 153.2 |
| 6.5 | 8.5 | 6.9 | 7.7 | 6.4 | 6.2 | 6.8 | 6.5 | 18.1 | 9.4 | 3.4 | 9.1 | 6.0 | 156.8 |
| 6.3 | 6.4 | 6.5 | 6.7 | 6.2 | 6.6 | 6.4 | 6.3 | 15.0 | 10.1 | 3.7 | 10.0 | 6.4 | 150.6 |
| 5.8 | 6.2 | 6.4 | 6.1 | 5.9 | 5.8 | 5.7 | 5.8 | 5.0 | 7.6 | 3.7 | 9.6 | 3.9 | 139.5 |
| 5.6 | 6.0 | 6.1 | 6.1 | 6.1 | 5.7 | 5.8 | 5.6 | 5.3 | 7.7 | 3.4 | 10.5 | 4.3 | 135.7 |

| | | | | | | | | | | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Среднее по всем дням | 6.5 | 6.9 | 6.6 | 6.9 | 8.2 | 8.0 | 7.1 | 5.9 | 5.6 | 6.0 | 5.6 | 4.7 | 6.1 | 6.7 | 7.1 | 7.2 | 7.4 | 7.5 |
| | 189.5 | 199.7 | 198.8 | 207.4 | 245.3 | 241.6 | 212.9 | 177.5 | 169.6 | 178.5 | 166.8 | 180.2 | 182.5 | 200.0 | 205.4 | 215.4 | 221.3 | 225.3 |

| | | | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Среднее по всем дням | 7.3 | 7.3 | 7.1 | 6.9 | 6.9 | 6.7 | 6.8 | 10.7 | 6.9 | 3.8 | 162.2 |
| | 218.3 | 219.5 | 211.9 | 207.2 | 207.1 | 201.3 | 204.4 | 321.3 | 207.5 | 113.8 | 4883.3 |

Словные обозначения: Δ — п. часа лампы; > или < — запись вышла за бумагу; □ — остановились часы; — — — — — отсутствие записи. Величины, взятые приблизительно с магнитограммы — ().

Ведомство АН. Каз. ССР

Широта 45°46' Долгота 62°07'

Обсерватория Н-Казалинск

Элемент Горизонтальная составляющая Н''

Месяц май 1970

Н = 22630. + Вн = 1.04 Ам Н = 22660 Ам

| Время мирное | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время max | max | min | Время min | Ампл. | | | | | |
|----------------------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------------------|--------------|-----|-----|--------------|-------|-----|------|-------|--|--|
| | Дни | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | | | | | | | 23 | | | | |
| 1 | 45 | 44 | 47 | 49 | 46 | 39 | 29 | 35 | 29 | 36 | 41 | 43 | 47 | 44 | 45 | 45 | 46 | 37 | 39 | 50 | 51 | 50 | 50 | 50 | 43 | 208 | 53 | 24 | 77 | 29 | 1037 | | |
| 2 | 52 | 52 | 54 | 50 | 38 | 00 | 28 | 32 | 28 | 33 | 36 | 45 | 35 | 0 | 40 | 43 | 48 | 49 | 49 | 49 | 50 | 49 | 49 | 40 | 218 | 53 | 25 | 88 | 28 | 958 | | | |
| 3 | 50 | 48 | 46 | 44 | 35 | 28 | 26 | 26 | 28 | 34 | 41 | 45 | 44 | 44 | 46 | 41 | 34 | 31 | 33 | 0 | 34 | 50 | 40 | 38 | 37 | 216 | 65 | 25 | 79 | 40 | 886 | | |
| 4 | 44 | 45 | 44 | 43 | 38 | 34 | 28 | 24 | 27 | 36 | 37 | 35 | 36 | 40 | 43 | 45 | 46 | 44 | 47 | 48 | 45 | 51 | 51 | 44 | 40 | 219 | 64 | 37 | 74 | 27 | 975 | | |
| 5 | 40 | 47 | 48 | 53 | 50 | 45 | 37 | 38 | 41 | 48 | 45 | 43 | 42 | 45 | 43 | 37 | 50 | 52 | 48 | 46 | 65 | 65 | 61 | 51 | 47 | 219 | 68 | 34 | 69 | 34 | 1140 | | |
| 6 | 46 | 49 | 49 | 47 | 39 | 36 | 31 | 22 | 14 | 8 | 0 | -2 | -3 | 10 | 4 | 49 | 20 | 27 | 33 | 35 | 37 | 47 | 40 | 38 | 28 | 217 | 52 | -5 | 127 | 57 | 676 | | |
| 7 | 45 | 69 | 61 | 34 | 14 | 21 | 12 | -10 | -51 | -47 | -49 | -24 | -54 | -45 | -45 | -36 | -15 | -4 | 8 | 20 | 28 | 11 | 9 | 11 | -1 | 18 | 85 | -68 | 113 | 153 | -37 | | |
| 8 | 47 | 7 | 4 | 1 | 0 | -4 | -7 | -7 | -2 | 3 | 8 | 8 | 19 | 18 | 13 | 20 | 37 | 36 | 27 | 34 | 28 | 29 | 29 | 29 | 15 | 193 | 36 | -3 | 61 | 40 | 377 | | |
| 9 | 29 | 0 | 33 | 29 | 21 | 11 | 9 | 6 | 8 | 10 | 13 | 18 | 20 | 1 | 29 | 28 | 33 | 26 | 33 | 37 | 36 | 37 | 34 | 35 | 22 | 189 | 44 | 4 | 77 | 40 | 536 | | |
| 10 | 36 | 33 | 1 | 36 | 34 | 17 | 19 | 21 | 35 | 22 | 5 | -3 | 0 | 10 | 19 | 21 | 9 | 23 | 33 | 34 | 0 | 1 | 29 | 0 | 18 | 189 | 42 | -10 | 115 | 52 | 435 | | |
| 11 | 29 | 38 | 36 | 33 | 25 | 18 | 51 | 18 | 9 | 8 | 6 | 3 | 4 | 11 | 12 | 19 | 18 | 38 | 45 | 32 | 28 | 19 | 26 | 29 | 23 | 162 | 53 | -3 | 103 | 56 | 555 | | |
| 12 | Δ | Δ | 34 | 32 | 1 | 31 | 29 | 28 | 25 | 19 | 16 | 18 | 19 | 22 | 24 | 29 | 21 | 38 | 32 | 34 | 36 | 36 | 36 | 37 | 27 | 163 | 46 | 12 | 80 | 34 | 597 | | |
| 13 | 38 | 38 | 39 | 35 | 34 | 32 | 22 | 26 | 32 | 31 | 26 | 20 | 27 | 14 | 12 | 13 | 14 | 14 | 46 | 40 | 25 | 29 | 32 | 33 | 28 | 23 | 40 | 6 | 147 | 34 | 672 | | |
| 14 | 32 | 35 | 33 | 33 | 0 | 25 | 23 | 29 | 37 | 42 | 39 | 33 | 33 | 34 | 36 | 32 | 27 | 27 | 40 | 37 | 39 | 40 | 39 | 41 | 32 | 183 | 47 | 22 | 67 | 25 | 783 | | |
| 15 | 42 | 42 | 43 | 44 | 41 | 36 | 34 | 38 | 40 | 43 | 42 | 40 | 42 | 43 | 42 | 42 | 46 | 49 | 48 | 49 | 51 | 46 | 46 | 47 | 43 | 205 | 54 | 32 | 67 | 22 | 1036 | | |
| 16 | 47 | 50 | 52 | 54 | 50 | 44 | 39 | 38 | 42 | 43 | 43 | 46 | 47 | 53 | 60 | 64 | 52 | 55 | 57 | 56 | 56 | 61 | 60 | 59 | 51 | 177 | 70 | 37 | 73 | 33 | 1228 | | |
| 17 | 51 | 52 | 54 | 57 | 59 | 52 | 48 | 41 | 48 | 56 | 54 | 49 | 49 | 50 | 53 | 51 | 50 | 52 | 49 | 57 | 52 | 50 | 50 | 50 | 51 | 98 | 59 | 35 | 78 | 24 | 1228 | | |
| 18 | 51 | 52 | 56 | 59 | 49 | 51 | 43 | 42 | 50 | 58 | 61 | 58 | 65 | 67 | 45 | 63 | 48 | 34 | 37 | 38 | 39 | 43 | 38 | 46 | 50 | 142 | 78 | -17 | 155 | 95 | 1193 | | |
| 19 | 53 | 65 | 61 | 61 | -1 | 0 | -5 | 0 | 9 | 13 | 9 | 18 | 24 | 23 | 24 | 26 | 0 | 29 | 0 | 31 | 33 | 34 | 37 | 38 | 24 | 240 | 40 | -11 | 70 | 51 | 582 | | |
| 20 | 40 | 41 | 41 | 41 | 39 | 35 | 28 | 27 | 32 | 39 | 42 | 45 | 47 | 49 | 47 | 47 | 47 | 48 | 48 | 48 | 49 | 49 | 48 | 52 | 43 | 232 | 57 | 25 | 69 | 32 | 1029 | | |
| 21 | 49 | 50 | 47 | 43 | 45 | 38 | 34 | 24 | 8 | 9 | -28 | -38 | -59 | -53 | -79 | -60 | -31 | -4 | 2 | 2 | 9 | 11 | 12 | 16 | 2 | 50 | 12 | -92 | 146 | 104 | 47 | | |
| 22 | 43 | 40 | 25 | 32 | 25 | 18 | 16 | 14 | 12 | 8 | 0 | 6 | 5 | -1 | -9 | -1 | -4 | 6 | 7 | 10 | 15 | 19 | 22 | 22 | 13 | 40 | 29 | -11 | 146 | 40 | 330 | | |
| 23 | 21 | 21 | 1 | 22 | 18 | 8 | -4 | -7 | -9 | -7 | -8 | -9 | 8 | 11 | 16 | -36 | -26 | -26 | 7 | 15 | 10 | 21 | 0 | 25 | 3 | 230 | 27 | -50 | 153 | 77 | 72 | | |
| 24 | 20 | 22 | 23 | 0 | 26 | 37 | 39 | 41 | 35 | 0 | 35 | 40 | 45 | 45 | 42 | 36 | 16 | 13 | 14 | 29 | 35 | 32 | 29 | 35 | 28 | 132 | 58 | 8 | 178 | 50 | 689 | | |
| 25 | 37 | 38 | 45 | 51 | 53 | 47 | 37 | 32 | 32 | 29 | 39 | 18 | 40 | 41 | 42 | 47 | 39 | 33 | 41 | 31 | 35 | 42 | 40 | 40 | 38 | 55 | 55 | 26 | 97 | 29 | 929 | | |
| 26 | 36 | 37 | 41 | 46 | 46 | 39 | 33 | 34 | 40 | 42 | 45 | 46 | 48 | 46 | 47 | 48 | 43 | 43 | 44 | 44 | 59 | 46 | 42 | 42 | 43 | 205 | 67 | 32 | 72 | 35 | 1037 | | |
| 27 | 41 | 49 | 46 | 53 | 57 | 49 | 43 | 52 | 53 | 38 | 41 | 37 | 27 | 22 | 29 | 40 | 42 | 47 | 44 | 45 | 47 | 47 | 48 | 47 | 43 | 182 | 62 | 16 | 139 | 46 | 1044 | | |
| 28 | 45 | 43 | 41 | 44 | 42 | 86 | 33 | 47 | 40 | 46 | 42 | 37 | 40 | 34 | 42 | 42 | 36 | 42 | 44 | 47 | 46 | 48 | 45 | 46 | 44 | 91 | 50 | 0 | 148 | 50 | 1058 | | |
| 29 | 48 | 49 | 50 | 49 | 50 | 48 | 38 | 39 | 45 | 48 | 38 | 50 | 44 | 54 | 52 | 50 | 48 | 51 | 51 | 51 | 53 | 53 | 54 | 54 | 48 | 131 | 56 | 36 | 78 | 20 | 1167 | | |
| 31 | 56 | 57 | 57 | 58 | 58 | 52 | 45 | 39 | 37 | 41 | 47 | 49 | 51 | 51 | 49 | 49 | 50 | 52 | 52 | 52 | 52 | 51 | 52 | 52 | 50 | 40 | 60 | 35 | 88 | 25 | 1209 | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Среднее всех дней | 42 | 42 | 40 | 41 | 36 | 32 | 28 | 26 | 26 | 26 | 25 | 26 | 26 | 26 | 27 | 30 | 28 | 32 | 35 | 36 | 38 | 39 | 38 | 38 | 32 | | 53 | 7 | | 46 | 783 | | |
| | 1213 | 1213 | 1212 | 1233 | 1032 | 973 | 838 | 789 | 774 | 789 | 766 | 774 | 793 | 783 | 823 | 894 | 844 | 962 | 1058 | 1092 | 1142 | 1168 | 1148 | 1156 | 973 | | 1582 | 211 | | 1371 | 23468 | | |

Специальные обозначения: Δ — п. гасла лампы; > или < — запись вышла за бумагу; □ — остановились часы; — вынужденные отсутств. записи. Величины, взятые приблизительно с магнитограммы — ().

Обработал Семьковская Проверил

Ведомство АН. Каз. ССР
 Обсерватория Н-Казалинск
 Месяц декабрь Год 1970

Широта 45°46' Долгота 62°07'

Среднемесячн. 6°36'60"

Элемент Склонение D

D = 6°30'00"

ВВ 0.150 D 6°33'60"

| Время мгровое Дни | | | | | | | | | | | | | | | | | | | | | | | Средн. суточн. | Время | | | Время | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 23 | | Max | Max | Min | Max | Min | Ампл | | | | |
| 1 | 6.1 | 6.1 | 6.1 | 6.5 | 7.3 | 7.0 | 5.8 | 4.0 | 11.2 | 10.9 | 4.3 | 5.0 | 5.5 | 5.7 | 5.7 | 5.8 | 5.8 | 5.9 | 5.9 | 6.1 | 6.3 | 6.4 | 6.4 | 6.4 | 6.3 | 5.0 | 7.6 | 11.3 | 8.3 | -3.7 | 152.2 | | |
| 2 | 6.6 | 6.3 | 6.2 | 6.2 | 6.6 | 6.8 | 6.4 | 4.7 | 10.9 | 10.9 | 4.7 | 5.3 | 5.6 | 5.7 | 5.5 | 5.4 | 5.5 | 5.8 | 5.8 | 6.4 | 7.6 | 7.3 | 6.4 | 6.4 | 6.3 | 6.5 | 19.8 | 9.4 | 11.5 | 9.1 | -2.1 | 155.5 | |
| 3 | 6.4 | 5.2 | 5.8 | 6.1 | 6.2 | 6.0 | 5.2 | 4.3 | 4.2 | 4.3 | 5.2 | 5.5 | 5.5 | 5.5 | 5.5 | 5.6 | 6.1 | 5.9 | 5.9 | 6.1 | 6.4 | 6.5 | 6.2 | 6.4 | 6.6 | 5.7 | 23.5 | 6.8 | 4.0 | 8.4 | 2.8 | 136.7 | |
| 4 | 6.1 | 6.4 | 6.4 | 6.7 | 7.3 | 7.3 | 6.5 | 7.0 | 6.0 | 4.3 | 6.4 | 4.9 | 5.4 | 5.5 | 5.0 | 5.2 | 5.3 | 5.4 | 5.4 | 5.5 | 5.8 | 6.7 | 8.0 | 7.9 | 7.0 | 6.2 | 21.5 | 8.5 | 4.0 | 9.1 | 4.5 | 148.0 | |
| 5 | 6.7 | 6.1 | 5.8 | 6.1 | 7.0 | 7.0 | 7.1 | 5.1 | 4.2 | 4.3 | 7.0 | 6.1 | 5.8 | 5.8 | 6.1 | 8.9 | 6.3 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.9 | 6.2 | 15.4 | 9.5 | 3.8 | 9.5 | 5.7 | 148.6 | | |
| 6 | 6.1 | 6.2 | 6.4 | 6.7 | 7.3 | 7.4 | 6.7 | 6.5 | 6.7 | 5.7 | 5.8 | 5.7 | 6.0 | 7.3 | 7.4 | 7.9 | 7.6 | 8.5 | 8.5 | 8.3 | 8.3 | 8.2 | 7.6 | 6.7 | 6.7 | 7.0 | 14.0 | 9.2 | 5.3 | 10.8 | 3.9 | 167.7 | |
| 7 | 6.4 | 6.5 | 6.4 | 5.9 | 5.9 | 6.1 | 5.8 | 5.5 | 5.5 | 5.5 | 5.3 | 5.6 | 7.3 | 6.6 | 7.0 | 7.4 | 7.3 | 7.3 | 7.3 | 7.3 | 7.9 | 8.1 | 5.2 | 6.9 | 5.9 | 6.4 | 19.9 | 9.4 | 3.9 | 21.6 | 5.5 | 154.3 | |
| 8 | 6.1 | 5.2 | 4.7 | 4.7 | 6.4 | 7.5 | 7.6 | 6.7 | 5.7 | 4.6 | 5.2 | 6.1 | 6.8 | 9.1 | 7.3 | 6.8 | 6.9 | 7.5 | 7.5 | 8.4 | 10.6 | 8.8 | 9.2 | 6.3 | 6.4 | 6.8 | 13.7 | 11.5 | 4.4 | 9.5 | 7.1 | 164.6 | |
| 9 | 6.2 | 6.7 | 7.3 | 7.6 | 7.5 | 7.4 | 6.4 | 5.2 | 4.0 | 4.7 | 6.1 | 6.4 | 6.0 | 6.4 | 6.4 | 6.5 | 6.9 | 7.1 | 7.1 | 6.2 | 6.7 | 6.6 | 6.3 | 6.1 | 5.9 | 6.4 | 5.1 | 7.8 | 3.7 | 8.4 | 4.1 | 153.0 | |
| 10 | 6.0 | 6.3 | 6.7 | 7.1 | 8.0 | 8.2 | 7.7 | 5.6 | 4.3 | 4.3 | 4.6 | 5.0 | 6.2 | 6.5 | 6.8 | 7.7 | 7.1 | 6.8 | 6.8 | 6.6 | 7.6 | 6.5 | 6.4 | 6.1 | 5.8 | 6.4 | 5.3 | 8.3 | 4.1 | 9.2 | 4.2 | 153.9 | |
| 11 | 5.7 | 5.9 | 6.2 | 6.5 | 7.0 | 7.4 | 6.9 | 5.8 | 4.7 | 4.4 | 3.9 | 4.9 | 5.6 | 5.7 | 5.8 | 5.7 | 5.8 | 5.8 | 5.8 | 6.2 | 6.0 | 5.8 | 5.6 | 5.5 | 5.2 | 5.8 | 5.6 | 7.6 | 11.2 | 10.6 | -3.6 | 138.0 | |
| 12 | Δ | Δ | 5.3 | 5.6 | 6.4 | 7.2 | 6.8 | 6.2 | 5.0 | 4.6 | 4.4 | 5.2 | 5.2 | 5.3 | 6.0 | 6.4 | 6.4 | 6.5 | 6.5 | 7.0 | 7.0 | 6.7 | 6.7 | 6.9 | 7.2 | 6.1 | 23.2 | 7.5 | 4.0 | 9.1 | 3.5 | 134.0 | |
| 13 | 6.7 | 6.4 | 5.8 | 5.8 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 6.2 | 0.8 | 6.8 | 5.5 | 3.6 | 1.3 | 24.7 | 24.7 | 24.7 |
| 14 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | Δ | 98 | 102 | 100 | 98 | 15.8 | 11.2 | 11.5 | 10.0 | 12.9 | 8.5 | 11.0 | 18.8 | 16.7 | 8.8 | 14.6 | 7.9 | 109.7 | |
| 15 | 9.5 | 7.7 | 7.0 | 8.5 | 8.2 | 9.2 | 7.9 | 7.6 | 7.7 | 7.1 | 7.9 | 7.9 | 7.9 | 9.4 | 8.4 | 9.1 | 8.7 | 8.2 | 8.2 | 9.1 | 8.7 | 8.8 | 8.8 | 8.5 | 8.5 | 8.3 | 15.8 | 10.3 | 7.0 | 9.7 | 3.3 | 200.3 | |
| 16 | 8.6 | 8.2 | 7.7 | 7.9 | 8.2 | 8.2 | 7.0 | 6.0 | 5.4 | 5.2 | 5.4 | 6.3 | 7.0 | 7.3 | 7.2 | 7.0 | 7.1 | 7.4 | 7.4 | 7.6 | Δ | 7.8 | 7.8 | 7.7 | 7.8 | 7.2 | 4.5 | 8.3 | 5.0 | 9.3 | 3.3 | 165.8 | |
| 17 | 8.2 | 7.6 | 7.6 | 7.2 | 7.0 | 7.3 | 6.7 | 6.2 | 5.8 | 5.8 | 6.8 | 7.7 | 7.4 | 7.4 | 7.6 | 7.1 | 7.0 | Δ | Δ | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 11.6 | 7.9 | 5.6 | 9.0 | 2.3 | 160.9 | |
| 18 | 7.0 | 7.0 | 7.1 | 7.6 | 8.0 | 7.9 | 6.8 | 5.6 | 5.3 | 5.4 | 5.9 | 6.7 | 6.8 | 7.2 | 6.8 | 6.5 | 6.4 | 6.7 | 6.7 | 6.4 | 6.2 | 6.1 | 5.5 | 5.7 | 6.6 | 6.6 | 4.8 | 8.3 | 4.8 | 21.9 | 3.5 | 157.3 | |
| 19 | 5.6 | 5.8 | 6.0 | 5.9 | 6.7 | 6.9 | 6.4 | 6.6 | 3.9 | 3.8 | 4.6 | 5.8 | 5.9 | 6.1 | 6.1 | 5.7 | 5.4 | 5.5 | 5.5 | 5.7 | 6.4 | 7.0 | 6.4 | 3.9 | 6.0 | 5.8 | 20.7 | 7.8 | 13.3 | 22.8 | -5.5 | 138.1 | |
| 20 | 6.1 | 5.8 | 6.1 | 6.1 | 8.3 | 8.6 | 7.9 | 7.2 | 6.3 | 5.8 | 6.7 | 6.4 | 6.8 | 7.4 | 7.2 | 6.8 | 6.7 | 6.6 | 6.6 | 6.5 | 7.5 | 7.6 | 6.8 | 6.2 | 6.1 | 6.8 | 5.3 | 8.9 | 5.3 | 10.1 | 3.6 | 163.5 | |
| 21 | 5.9 | 5.9 | 5.8 | 6.3 | 7.3 | 8.0 | 7.6 | 5.9 | 4.9 | 4.3 | 4.9 | 5.6 | 6.5 | 6.4 | 6.5 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 | 6.2 | 6.3 | 7.0 | 7.3 | 6.5 | 6.3 | 5.8 | 8.4 | 4.1 | 9.5 | 4.3 | 150.8 | |
| 22 | 6.6 | 6.4 | 6.0 | 6.7 | 7.6 | 8.2 | 7.9 | 6.6 | 5.3 | 4.4 | 4.4 | 5.6 | 6.5 | 6.4 | 6.4 | 6.8 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.3 | 6.3 | 6.2 | 6.5 | 6.0 | 8.4 | 4.1 | 10.1 | 4.3 | 155.7 | |
| 23 | 6.0 | 5.8 | 5.8 | 5.7 | 7.1 | 7.9 | 7.6 | 6.0 | 4.0 | 4.2 | 4.0 | 5.5 | 6.1 | 5.9 | 6.4 | 7.0 | 7.3 | 6.7 | 6.7 | 6.4 | 6.2 | 6.1 | 6.1 | 6.2 | 7.0 | 6.1 | 6.4 | 8.2 | 10.9 | 8.8 | -2.7 | 147.0 | |
| 24 | 7.1 | 5.9 | 4.4 | 5.5 | 7.7 | 7.7 | 6.9 | 5.0 | 11.2 | 4.1 | 5.8 | 6.9 | 6.8 | 5.9 | 8.0 | 6.9 | 6.1 | 6.5 | 6.5 | 6.7 | 7.4 | 7.6 | 7.9 | 6.9 | 7.0 | 6.7 | 14.8 | 8.6 | 12.4 | 8.5 | -3.8 | 161.9 | |
| 25 | 6.9 | 6.7 | 6.5 | 6.7 | 7.3 | 7.3 | 7.5 | 5.8 | 4.1 | 4.0 | 4.7 | 6.0 | 6.6 | 6.6 | 6.4 | 6.2 | 6.4 | 6.4 | 6.4 | 6.4 | 7.3 | 7.7 | 7.0 | 7.3 | 7.3 | 6.5 | 6.5 | 20.7 | 8.5 | 3.9 | 9.3 | 4.6 | 155.2 |
| 26 | 6.8 | 6.4 | 6.4 | 6.7 | 7.6 | 8.0 | 6.6 | 4.9 | 10.9 | 11.2 | 4.8 | 5.7 | 6.1 | 6.5 | 6.4 | 6.2 | 6.3 | 6.4 | 6.4 | 6.4 | 6.5 | 6.8 | 7.0 | 7.1 | 7.0 | 6.9 | 5.8 | 8.2 | 11.2 | 9.8 | -3.0 | 164.7 | |
| 27 | 6.2 | 6.2 | 5.9 | 5.5 | Δ | 6.1 | 6.1 | 5.2 | 4.1 | 4.4 | 5.3 | 5.4 | 6.0 | 5.4 | 6.1 | 6.4 | 6.1 | 6.8 | 6.8 | 6.4 | 7.0 | 8.0 | 8.6 | 8.7 | 9.5 | 6.4 | 22.5 | 10.8 | 3.7 | 9.6 | 7.1 | 146.4 | |
| 28 | 9.8 | 6.4 | 6.7 | 6.6 | 6.4 | 6.7 | 6.1 | 5.1 | 5.0 | 4.4 | 5.3 | 5.3 | 5.9 | 4.6 | 4.9 | 6.4 | 8.3 | 11.2 | 11.2 | 12.4 | 12.6 | 9.1 | 11.9 | 10.3 | 11.6 | 7.6 | 18.9 | 16.3 | 4.1 | 9.2 | 12.2 | 183.0 | |
| 29 | 9.8 | 9.3 | 7.7 | 6.8 | 7.3 | 7.3 | 6.4 | 5.6 | 5.3 | 5.2 | 5.3 | 5.5 | 5.9 | 6.3 | 6.4 | 5.7 | 5.7 | 5.9 | 5.9 | 7.4 | 6.8 | 6.2 | 6.8 | 6.2 | 7.0 | 6.6 | 1.3 | 9.8 | 4.4 | 8.9 | 5.4 | 157.8 | |
| 31 | 7.0 | 4.1 | 4.1 | 4.5 | 5.8 | 8.2 | 7.9 | 7.1 | 5.5 | 4.7 | 8.7 | 6.0 | 6.3 | 6.6 | 6.5 | 6.7 | 9.1 | 8.3 | 8.3 | 6.7 | 6.7 | 6.3 | 6.4 | 6.4 | 6.0 | 6.5 | 16.9 | 12.0 | 4.2 | 10.0 | 7.8 | 155.6 | |
| 31 | 6.1 | 6.0 | 6.2 | 7.0 | 8.2 | 8.5 | 7.9 | 6.4 | 5.2 | 5.2 | 5.8 | 5.8 | 5.9 | 5.8 | 6.0 | 5.8 | 6.0 | 6.0 | 6.0 | 6.1 | 6.4 | 6.2 | 6.1 | 5.7 | 5.4 | 6.2 | 4.9 | 8.5 | 4.9 | 9.1 | 3.6 | 149.7 | |
| Среднее по ВСМ дням | 6.8 | 6.4 | 6.2 | 6.4 | 7.2 | 7.5 | 6.9 | 5.8 | 5.9 | 5.4 | 5.5 | 5.8 | 6.2 | 6.4 | 6.6 | 6.7 | 6.8 | 6.9 | 6.9 | 7.2 | 7.4 | 7.2 | 7.2 | 7.0 | 6.8 | 6.6 | 207.0 | 9.2 | 6.3 | 2.9 | 158.2 | 158.2 | 158.2 |
| 198.3 | 184.5 | 186.1 | 192.7 | 201.6 | 217.3 | 200.1 | 169.4 | 172.3 | 157.7 | 159.2 | 169.8 | 181.3 | 186.2 | 191.6 | 202.2 | 202.8 | 200.1 | 200.1 | 200.1 | 217.5 | 213.7 | 215.9 | 215.1 | 208.5 | 204.6 | 207.0 | 285.8 | 194.4 | 91.4 | 165.4 | 165.4 | 165.4 | |

Условные обозначения: Δ — п. гасла лампы; > или < — запись вышла за бумагу; — — — — остановился час; — — — — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().

Обработал Средина Проверил _____

