

Ведомство СВ КНИЦ  
 Обсерватория Магадан  
 Месяц Декабрь Год 1979

Широта 60°07' Долгота 151°01'

Элемент Угол склонения  
 $\delta = -12^{\circ}00.0$   $\epsilon_D = 0.482$   $\delta = -13^{\circ}18.5$   
 $B_{11} \epsilon_D = 18.349$   $B_0 = -12^{\circ}59.0$

Время мировое																							Сред. сут.		
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23			
1	69.7	69.9	70.6	71.3	71.1	70.2	70.6	71.8	71.1	73.5	70.6	69.0	65.2	66.2	63.9	65.5	68.2	64.5	67.1	69.1	69.8	72.2	69.6	68.9	69.2
2	69.1	69.5	70.5	71.3	72.0	71.9	71.4	72.9	72.2	68.9	69.5	70.3	70.0	67.2	67.7	68.3	68.1	68.9	70.0	70.1	71.8	68.6	69.0	68.7	70.0
3	69.6	71.6	71.5	71.8	73.5	74.0	74.2	74.4	72.5	70.6	70.4	70.6	70.1	69.1	66.5	68.2	69.0	69.1	69.3	69.7	69.5	69.1	68.2	67.2	70.4
4	67.4	68.4	70.8	72.7	74.0	74.0	72.2	74.4	74.1	76.4	73.7	72.4	71.1	66.5	64.0	61.6	60.5	65.0	69.0	71.6	71.8	70.0	70.2	71.1	70.1
5	71.8	72.5	73.0	72.7	72.5	72.0	72.0	72.8	73.3	73.5	73.1	70.1	69.6	68.1	63.8	65.6	66.3	66.1	68.1	67.2	69.1	70.3	70.0	69.6	70.1
6	69.6	71.0	71.0	71.9	71.7	72.0	71.6	71.4	71.8	71.3	70.6	69.8	69.4	69.3	69.3	69.4	69.4	69.2	69.1	69.0	69.2	70.1	70.0	69.3	70.3
7	69.1	70.1	70.6	71.6	71.6	71.0	70.3	69.6	69.5	69.6	69.1	69.6	69.1	69.1	69.0	68.9	68.4	68.3	68.1	68.1	68.1	68.7	67.6	66.9	69.2
8	67.5	68.7	70.3	71.8	71.5	71.1	71.1	69.6	69.1	69.4	69.2	68.7	68.5	64.8	62.3	65.3	67.4	65.8	66.0	66.3	71.3	70.1	70.4	71.0	68.6
9	70.8	71.6	72.0	72.5	72.0	71.3	70.8	70.5	71.2	70.5	70.3	69.7	69.6	68.2	68.3	68.9	68.8	68.9	68.9	68.6	68.7	68.9	68.4	68.9	69.9
10	68.9	70.0	72.1	72.5	72.3	70.6	70.5	70.5	70.5	70.3	70.1	69.5	69.1	68.6	66.5	65.8	66.9	71.6	68.8	68.9	69.1	69.2	68.7	67.5	69.5
11	68.1	69.6	70.4	71.4	71.6	71.4	70.6	70.3	70.5	70.2	69.8	69.5	69.5	69.2	68.9	68.9	68.2	67.9	68.3	68.6	68.7	68.9	68.4	68.9	69.5
12	68.9	70.3	71.7	73.2	72.7	70.8	70.5	70.6	70.3	70.7	70.1	70.1	69.6	68.9	68.9	67.6	68.2	68.7	67.9	68.4	70.2	69.6	68.2	67.9	69.8
13	68.3	69.5	71.1	72.8	71.9	71.5	70.8	70.1	69.8	69.6	69.5	69.5	69.6	69.0	68.6	68.7	68.7	68.2	67.7	68.2	68.4	67.9	67.4	67.6	69.4
14	68.7	70.5	71.5	72.3	71.8	70.4	70.0	70.0	70.1	69.9	69.9	69.3	69.3	69.1	68.9	68.5	68.2	68.2	68.8	68.7	68.7	68.7	67.6	67.2	69.4
15	67.7	69.1	70.6	72.5	73.7	72.0	70.7	71.8	72.7	72.2	71.6	70.7	69.1	67.7	68.9	68.9	69.4	69.8	64.3	64.2	66.6	70.2	69.2	68.4	69.7
16	71.3	72.2	72.5	72.8	72.3	74.1	72.6	71.1	70.8	70.8	71.1	69.8	68.4	68.9	67.7	66.0	67.4	68.1	68.1	69.0	69.5	67.9	67.1	69.6	70.0
17	71.0	70.7	71.5	73.2	72.9	71.6	72.2	72.7	70.8	71.3	70.2	70.1	68.7	65.7	67.2	68.2	65.5	62.9	66.7	68.2	69.3	69.8	72.3	70.0	69.7
18	69.4	71.1	71.9	73.0	72.7	71.3	70.6	71.1	70.8	70.1	69.8	71.1	68.5	70.5	68.4	69.1	68.9	69.4	69.2	69.0	69.9	70.3	69.0	67.7	70.1
19	68.7	70.1	71.6	72.6	73.2	72.2	70.8	71.3	70.9	70.6	68.9	68.7	69.6	69.6	69.0	67.4	67.8	68.6	71.3	69.1	68.2	71.1	68.4	68.9	69.9
20	69.2	70.3	70.8	70.9	71.6	70.6	70.1	71.0	71.1	71.6	71.6	71.3	69.6	69.1	67.9	64.0	65.8	66.7	68.2	67.4	67.7	68.7	69.6	70.3	69.4
21	70.6	71.1	71.6	71.8	72.0	71.1	70.1	70.1	69.8	70.6	70.5	70.3	71.3	69.1	67.7	66.3	65.0	63.8	62.2	64.5	66.5	67.7	69.1	70.6	68.9
22	70.6	71.0	71.1	71.5	71.8	71.8	70.0	69.8	70.4	70.2	70.5	71.8	70.0	69.7	67.2	67.1	65.7	63.9	63.8	68.9	71.7	70.6	69.8	69.5	69.5
23	69.3	70.1	71.1	71.8	71.1	70.1	69.5	69.6	69.8	70.3	70.3	70.0	69.8	69.8	69.6	69.3	69.1	69.0	68.7	68.7	68.6	68.7	68.4	68.4	69.6
24	69.6	70.9	71.5	71.8	71.5	70.5	70.0	69.3	69.5	69.6	69.8	67.1	70.1	68.9	67.4	66.0	66.0	68.1	68.4	68.2	67.8	69.2	69.8	69.2	69.2
25	70.0	70.8	71.4	71.6	71.2	70.3	69.4	69.3	69.4	69.7	70.0	69.7	69.3	68.8	68.5	68.2	68.2	67.9	68.4	68.5	67.8	67.6	67.7	68.4	69.3
26	68.9	69.5	70.7	71.3	70.6	69.5	69.0	68.7	68.8	69.1	68.9	70.0	69.1	69.2	68.7	68.0	66.4	63.8	65.7	65.3	71.5	70.3	69.1	70.0	68.8
27	71.1	72.4	72.7	71.8	71.9	70.8	70.3	71.9	70.6	71.1	70.6	66.9	65.6	68.2	70.8	64.2	67.5	67.7	69.6	70.1	69.1	69.5	69.5	69.9	69.7
28	70.2	70.7	71.3	72.4	72.9	71.6	70.3	69.8	70.1	71.4	70.1	66.7	68.2	69.7	70.3	68.6	67.5	68.4	69.1	69.4	70.8	71.6	76.3	82.4	70.8
29	76.9	74.9	76.6	76.9	77.1	75.2	74.5	73.9	74.3	71.3	72.2	71.1	69.9	64.8	67.8	58.7	62.0	63.9	67.4	77.0	70.3	77.3	85.7	86.2	72.7
30	81.7	77.2	76.1	77.8	75.4	74.6	74.0	71.1	70.6	72.1	71.1	64.3	69.8	69.8	69.6	66.3	63.1	68.7	71.0	72.9	70.0	69.1	68.7	68.7	71.4
31	69.0	70.1	70.8	71.3	70.8	70.0	69.5	70.1	70.6	70.6	70.6	70.6	69.2	69.9	69.5	68.9	69.0	69.2	70.9	66.9	68.4	73.0	75.3	74.8	70.3
Среднее по всем дням	70.1	70.8	71.6	72.4	72.4	71.6	71.0	71.0	70.9	70.9	70.4	69.6	69.2	68.5	67.8	67.0	67.1	67.4	68.1	68.7	69.3	69.9	70.0	70.1	69.8
Среднее по спокойн. дн.	69.1	70.2	71.2	72.2	71.7	70.7	70.1	69.8	69.8	70.0	69.8	69.8	69.5	69.1	68.9	68.5	68.5	68.4	68.2	68.4	68.6	68.5	67.9	67.8	69.5
Среднее по возмущ. дн.	73.4	72.4	73.2	74.2	74.2	73.4	72.2	74.8	74.9	72.3	74.5	69.3	69.8	68.1	67.8	64.5	63.8	66.0	68.1	72.0	70.9	71.7	74.1	75.6	70.9

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

Обработал А. Сивцова Проверил А. Савангива

БШ ЭД = 0370' 80546и118-III  
 Д = 12059.0

ЭЛЕМЕНТ Угол склонения

Месяц Декабрь Год 1979

Д = -12°00.0

ε<sub>δ</sub> = 0.482' δ = -13°18.5

Время мирное																							Средн. суточн.	Время max	Maxi min	Dni min	Время min	Ампл	Сумма			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23										
1	69.7	69.9	70.6	71.3	71.1	70.2	70.6	71.8	71.1	70.5	70.6	69.0	65.2	66.2	63.9	65.5	68.2	68.5	67.1	69.1	69.8	72.2	69.6	68.9	69.2	14.3	60.9	75.2	9.3	14.3	1659.6	
2	69.7	69.6	70.5	71.3	72.0	71.9	71.4	72.9	72.2	68.9	69.6	70.3	70.0	67.2	67.7	68.3	68.1	68.9	70.0	70.1	71.8	69.6	69.0	68.7	70.0	9.6	61.9	76.3	8.9	14.4	1679.1	
3	69.6	71.6	71.5	71.8	73.5	74.0	74.2	74.4	72.5	70.6	70.4	70.6	70.1	69.1	66.5	68.2	69.0	69.1	69.3	69.7	69.5	69.1	68.2	67.2	70.4	9.3	64.3	76.9	7.4	12.6	1689.7	
4	67.4	68.4	70.8	72.7	74.0	74.0	72.2	74.4	74.1	76.4	73.7	72.4	71.1	66.5	64.0	61.6	60.5	65.0	69.0	71.6	71.8	70.0	70.2	71.1	70.1	16.7	58.0	83.1	9.2	25.1	1682.9	
5	71.8	72.5	73.0	72.7	72.5	72.0	72.0	72.8	73.3	73.5	73.1	70.1	69.6	68.1	63.8	65.6	66.3	66.1	68.1	67.2	69.1	70.3	70.0	69.6	70.1	13.9	60.9	74.4	10.1	13.5	1683.1	
6	69.6	71.0	71.0	71.9	71.7	72.0	71.6	71.4	71.8	71.3	70.6	69.8	69.4	69.3	69.3	69.4	69.4	68.2	69.1	69.0	69.2	70.1	70.0	69.3	70.3	23.2	68.7	72.5	8.8	3.8	1686.4	
7	69.1	70.1	70.6	71.6	71.6	71.0	70.3	69.6	69.5	69.6	69.1	69.6	69.1	69.1	69.0	68.9	68.4	68.3	68.1	68.1	68.1	68.7	67.6	66.9	69.2	22.5	65.7	71.9	3.6	6.2	1662.0	
8	67.5	68.7	70.3	71.8	71.5	71.1	71.1	69.6	69.1	69.4	69.2	68.7	68.5	64.8	62.3	65.3	67.4	65.8	66.0	66.3	71.3	70.1	70.4	71.0	68.6	14.6	60.0	73.2	20.7	13.2	1647.2	
9	70.8	71.6	72.0	72.5	72.0	71.3	70.8	70.5	71.2	70.5	70.3	69.7	69.6	68.2	68.3	68.9	68.8	68.9	68.9	68.6	68.7	68.9	68.4	68.9	69.9	13.5	68.5	73.0	2.1	6.5	1678.3	
10	68.9	70.0	72.1	72.5	72.3	70.6	70.5	70.5	70.5	70.3	70.1	69.5	69.1	68.6	66.5	65.8	66.9	71.6	68.8	68.9	69.1	69.0	68.7	67.5	69.5	15.0	63.6	73.0	17.3	9.4	1668.3	
11	68.1	69.6	70.4	71.4	71.6	71.1	70.6	70.3	70.5	70.2	69.8	69.5	69.5	69.2	68.9	68.9	68.2	67.9	68.3	68.6	68.7	68.9	68.4	68.9	69.5	19.6	66.9	72.7	19.0	5.8	1667.5	
12	68.9	70.3	71.7	73.2	72.7	70.8	70.5	70.6	70.3	70.7	70.1	70.1	69.6	68.9	68.9	67.6	68.2	68.7	67.9	68.1	68.1	68.6	68.2	67.9	69.8	15.4	67.4	73.5	3.8	6.1	1674.0	
13	68.3	69.5	71.1	72.8	71.9	71.5	70.8	70.1	69.8	69.6	69.5	69.5	69.6	69.0	68.6	68.7	68.7	68.9	67.7	68.2	68.4	67.9	67.4	67.6	69.4	20.9	67.1	73.2	3.5	6.1	1664.4	
14	68.7	70.5	71.5	72.3	71.8	70.4	70.0	70.0	70.1	69.9	69.9	69.3	69.3	69.1	68.9	68.5	68.2	68.2	68.8	68.7	68.7	68.7	67.6	67.2	69.4	22.9	66.9	73.0	4.0	6.1	1666.3	
15	67.7	69.1	70.6	72.5	73.7	72.0	70.7	71.8	72.7	72.2	71.6	70.7	69.1	67.7	68.9	68.9	69.4	69.8	64.3	64.2	66.6	70.2	69.2	68.4	69.7	19.2	62.5	72.2	9.7	16.7	1672.0	
16	71.3	72.2	72.5	72.8	72.3	74.1	72.6	71.1	70.8	70.8	71.1	69.8	68.4	68.9	67.7	66.0	67.4	68.1	68.1	69.0	69.5	67.9	67.1	69.6	70.0	15.2	64.5	75.3	5.9	10.8	1679.1	
17	71.0	70.7	71.5	73.2	72.9	71.6	72.2	72.7	70.8	71.3	70.2	70.1	68.7	65.7	67.2	68.2	65.5	62.9	66.7	68.2	69.3	69.8	72.3	70.0	69.7	17.1	59.5	75.2	7.9	15.7	1672.4	
18	69.4	71.1	71.9	73.0	72.7	71.3	70.6	71.1	70.8	70.1	69.8	71.1	68.5	70.5	68.4	69.1	68.9	69.4	69.2	69.0	69.9	70.3	69.0	67.7	70.1	12.8	66.5	73.7	3.8	7.2	1682.8	
19	68.7	70.1	71.6	72.6	73.2	72.2	70.8	71.3	70.9	70.6	68.9	68.7	69.6	69.6	69.0	67.4	67.8	68.6	71.3	69.1	68.2	71.1	68.4	68.9	69.9	15.8	65.8	74.0	4.0	8.2	1678.6	
20	69.2	70.3	70.8	70.9	71.6	70.6	70.1	71.0	71.1	71.6	71.6	71.3	69.6	69.1	67.9	68.0	65.8	66.7	68.2	67.4	67.7	68.7	69.6	70.3	69.4	15.0	62.1	72.0	10.4	9.9	1665.1	
21	70.6	71.1	71.6	71.8	72.0	71.1	70.1	70.1	69.8	70.6	70.5	70.3	71.3	69.1	67.7	66.3	65.0	63.8	62.2	64.5	66.5	67.7	69.1	70.6	68.9	18.4	61.6	72.1	12.0	10.5	1653.4	
22	70.6	71.0	71.1	71.5	71.8	71.8	70.0	69.8	70.4	70.2	70.5	71.8	70.0	69.7	67.2	67.1	65.7	63.9	63.8	68.9	71.7	70.6	69.8	69.5	69.5	17.5	62.4	75.8	10.9	13.4	1668.4	
23	69.3	70.1	71.1	71.8	71.1	70.1	69.5	69.6	69.8	70.3	70.3	70.0	69.8	69.8	69.6	69.3	69.1	69.0	68.7	68.7	68.6	68.7	68.4	68.4	69.6	23.8	67.0	72.2	3.6	5.0	1671.1	
24	69.6	70.9	71.5	71.8	71.5	70.5	70.0	69.3	69.5	60.6	69.8	67.1	70.1	68.9	67.4	66.0	66.0	68.1	68.4	68.2	67.8	69.2	69.8	69.2	69.2	16.6	59.4	75.4	16.1	16.0	1662.2	
25	70.0	70.8	71.4	71.6	71.2	70.3	69.4	69.3	69.4	69.7	70.0	69.7	69.3	68.8	68.5	68.2	68.2	67.9	68.4	68.5	67.8	67.6	67.7	68.4	69.3	22.6	67.1	* 71.6	3.4	4.5	1662.1	
26	68.9	69.5	70.7	71.3	70.6	69.5	69.0	68.7	68.8	69.1	68.9	70.0	69.1	69.2	68.7	68.0	66.4	63.8	65.7	65.3	71.5	70.3	69.1	70.0	68.8	17.6	62.4	74.4	20.7	12.0	1652.1	
27	71.1	72.4	72.7	71.8	71.9	70.8	70.3	71.9	70.6	71.1	70.6	66.9	65.6	68.2	70.8	64.2	67.5	67.7	69.6	70.1	69.1	69.5	69.5	69.9	69.7	15.8	61.5	75.4	8.2	13.9	1673.8	
28	70.2	70.7	71.3	72.4	72.9	71.6	70.3	69.8	70.1	71.4	70.1	66.7	68.2	69.7	70.3	68.6	67.5	68.4	69.1	69.4	70.8	71.6	76.3	82.4	70.8	11.4	60.5	88.2	23.1	27.7	1699.8	
29	76.9	74.9	76.6	76.9	77.1	75.2	74.5	73.9	74.3	71.3	72.2	71.1	69.9	64.8	67.8	58.7	62.0	63.9	67.4	77.0	70.3	77.3	85.7	86.2	72.7	16.5	54.1	89.6	19.5	35.5	1745.9	
30	81.7	77.2	76.1	77.6	75.4	74.6	74.0	71.1	70.6	72.1	71.1	64.3	69.8	69.8	69.6	66.3	63.1	62.7	71.0	72.9	70.0	69.1	68.7	68.7	71.4	11.1	56.3	84.7	0.1	28.4	1713.5	
31	69.0	70.1	70.8	71.3	70.8	70.0	69.5	70.1	70.6	70.6	70.6	70.6	69.8	69.9	69.5	68.9	69.0	67.9	70.9	66.9	68.4	73.0	75.3	74.8	70.3	17.8	64.2	80.8	23.4	16.6	1687.6	
Среднее по всем дням	70.1	70.8	71.6	72.4	72.4	71.6	71.0	71.0	70.9	70.9	70.4	69.6	69.2	68.5	67.8	67.0	67.1	67.4	68.1	68.7	69.3	69.9	70.0	70.1	69.8		63.1	75.8		12.7	1675.8	
Среднее по ст. дням	69.1	70.2	71.2	72.2	71.7	70.7	70.1	69.8	69.8	70.0	69.8	69.8	69.5	69.1	68.9	68.5	68.5	68.4	68.2	68.4	68.6	68.5	67.9	67.8	69.5					5.6		
Среднее по ночам	73.4	72.4	73.2	74.2	74.2	73.4	72.2	71.8	71.9	72.3	71.5	69.3	69.8	68.1	67.8	64.5	63.8	66.0	68.1	72.0	70.9	71.7	74.1	75.6	70.9					2.60		
Сумма по всем дням	2172.7	2195.5	2220.9	2244.6	2242.9	2219.2	2200.8	2201.5	2197.0	2197.0	2183.8	2158.3	2146.5	2122.7	2102.8	2076.8	2058.8	2058.8	2110.1	2129.8	2148.1	2165.7	2168.7	2173.7	2164.4		1956.2	2351.3		39.5		5794.70
Сумма по ст. дням	345.6	350.8	355.9	361.0	358.5	353.7	350.5	349.2	348.8	349.9	349.0	348.9	347.4	345.6	344.6	342.7	342.1	340.8	340.8	341.9	343.1	342.5	339.3	339.9	347.3					27.9		
Сумма по ночам	366.8	362.2	365.9	371.1	371.2	367.2	361.0	359.0	359.5	361.4	357.6	346.3	342.0	340.5	338.9	332.3	328.8	329.1	340.3	359.8	354.6	358.6	370.7	377.9	354.5					130.1		

Условные обозначения: Δ — погасла лампа, > или < — запись вышла за бумагу; □ — остановившаяся запись; Δ — иные причины отсутствия записи. Величинам, взятым приблизительно с магнитограммы — ( )

Обработал *Сивцева* Проверил *Саванцева*

Ведомство СВ КНИЦ  
 Обсерватория Магадан  
 Месяц Декабрь Год 1979

Широта 60°07' Долгота 151°01'

Элемент Горизонтальная составляющая  
H 17900γ EH 210° H 17962  
 5 III EH 210° H 118-III  
Mo e 1-15 = 17900γ  
c 16-31 = 17899γ

Время мировое																							Сред. сут.			
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23				
1	153	150	151	157	161	163	155	147	144	144	139	143	127	132	139	144	155	158	160	162	166	164	161	156	151	
2	152	150	149	149	151	152	151	149	144	154	151	142	153	151	153	159	163	162	164	167	169	172	170	163	156	
3	153	149	145	141	143	144	141	142	134	143	143	152	153	151	153	155	162	164	166	165	165	167	164	159	152	
4	148	141	140	142	144	139	141	138	138	142	128	127	120	109	104	104	107	120	134	140	145	141	139	138	132	
5	137	137	141	147	152	154	155	149	145	144	144	146	151	149	145	137	145	151	149	150	153	153	153	151	147	
6	145	141	143	149	150	153	154	152	153	155	160	161	162	161	161	160	160	160	157	155	157	155	153	147	154	
7	143	143	147	152	162	167	168	167	165	166	166	168	169	168	168	169	168	169	170	169	167	165	160	164	164	
8	153	151	160	170	179	183	181	180	179	172	178	174	161	152	144	143	162	168	161	162	164	155	155	156	164	
9	148	142	145	151	160	163	163	165	164	160	163	164	162	170	162	165	164	166	166	165	165	166	162	155	161	
10	148	146	149	155	158	167	171	170	170	167	169	170	171	171	163	159	150	163	170	169	166	167	163	156	163	
11	149	147	147	151	161	169	170	170	170	170	169	169	168	169	169	169	168	164	164	173	164	162	157	155	164	
12	153	149	151	155	161	167	169	169	167	166	166	164	164	165	165	164	164	164	163	161	164	164	161	152	162	
13	144	142	147	154	162	167	169	171	169	169	167	166	162	159	161	167	168	169	168	167	168	165	164	159	163	
14	153	147	150	155	164	168	167	165	163	165	168	168	169	170	171	172	174	170	164	167	167	168	164	152	164	
15	142	140	144	151	154	162	162	160	154	156	143	154	156	153	156	161	161	166	160	156	159	157	153	139	154	
16	130	133	140	153	155	161	152	157	157	157	155	152	164	155	151	142	152	160	163	169	170	168	166	152	155	
17	150	143	138	142	151	151	153	151	148	154	161	161	155	146	139	152	153	143	147	151	159	163	162	153	151	
18	140	132	138	148	155	157	161	157	160	154	152	156	165	165	162	154	157	160	161	163	164	166	168	161	150	156
19	142	141	143	149	153	154	153	155	155	155	154	165	162	161	162	167	161	157	163	164	164	163	157	148	156	
20	144	141	146	153	160	165	164	160	155	153	151	147	145	142	147	143	152	150	152	150	150	156	159	153	152	
21	147	144	145	151	160	164	165	165	162	162	159	157	154	149	148	147	146	143	137	145	160	163	165	161	154	
22	151	147	147	150	157	157	160	156	149	147	132	137	151	147	147	142	144	138	128	146	151	155	156	153	148	
23	148	147	148	154	160	162	162	162	160	160	160	162	163	164	165	166	167	168	170	170	172	171	170	164	162	
24	155	148	157	157	162	164	163	165	166	164	160	153	154	149	146	145	157	154	164	166	165	165	163	158	158	
25	152	149	152	159	165	169	170	168	166	165	166	167	168	173	175	176	176	175	171	174	178	179	172	164	162	
26	161	157	163	172	178	181	181	180	175	174	178	173	164	169	173	172	169	151	154	151	155	162	152	150	166	
27	147	149	155	160	179	168	165	157	146	157	157	142	148	153	143	142	154	159	157	164	160	162	162	155	156	
28	147	146	151	155	154	160	166	167	165	160	155	184	141	143	154	152	165	151	157	162	162	162	145	153	157	
29	152	151	130	128	132	145	141	142	132	145	144	141	141	141	113	113	113	113	125	127	138	161	179	147	138	137
30	126	127	126	129	137	139	139	132	141	138	126	130	123	133	134	147	151	143	143	157	160	156	160	156	140	140
31	147	144	143	153	164	164	157	156	154	155	155	156	155	157	160	161	162	161	157	160	154	166	165	155	157	157
Среднее по всем дням	147	144	146	151	158	161	160	159	156	157	155	156	165	155	153	152	153	157	157	157	160	162	163	160	154	156
Среднее по спокойн. дн.	148	146	149	155	162	166	168	167	165	165	165	165	165	166	167	168	169	169	168	168	170	169	166	160	164	164
Среднее по возмущ. дн.	145	142	139	141	145	148	149	147	145	146	137	144	135	129	130	132	136	135	138	149	156	159	149	148	143	143

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились  
 часы; Δ или < — причина отсутствия записи; [ ] — взятые приближенно с магнитограммы — [ ]

Обработал А. Сивцева Проверил А. Саванцева

ЭЛЕМЕНТ Горизонтальная составляющая

Б III ЕМ = 2.710 2046 и 118-10  
 № = С1-15 = 17900  
 С16-31 = 17899

Месяц Декабрь Год 1979

H = 17900

ЕМ = 210 H = 17962

Время суток	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 max	Max тит	Mini тит	Время min	Ампл	Сумма		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23									
1	153	150	151	157	161	163	155	147	144	144	139	143	147	132	139	144	155	158	160	162	166	164	161	156	157	17.0	181	124	12.3	57	3631
2	152	150	149	149	151	152	151	149	144	154	151	142	153	151	153	159	163	162	164	167	169	172	170	163	156	9.9	186	136	11.4	50	3740
3	153	149	145	141	143	144	141	142	134	143	143	152	153	151	153	155	162	164	166	165	167	164	159	152	9.4	168	125	10.0	43	3654	
4	148	141	140	142	144	139	141	138	138	142	128	127	120	109	104	104	107	120	134	140	145	141	139	138	132	9.0	169	9.3	15.0	76	3169
5	137	137	141	147	152	154	155	149	145	144	144	146	151	149	145	137	145	151	149	150	153	153	153	151	147	13.9	160	132	15.2	28	3538
6	145	141	143	149	150	153	154	152	153	155	160	161	162	161	161	160	160	160	157	155	157	155	153	147	154	13.1	163	139	1.4	24	3704
7	143	143	147	152	162	167	168	167	165	166	160	168	169	168	168	169	169	168	169	170	169	167	165	160	164	20.1	172	141	1.0	31	3925
8	153	151	160	170	179	183	181	180	179	172	178	174	161	152	144	143	162	168	166	165	166	162	155	156	164	5.7	186	138	15.3	48	3943
9	148	142	145	151	160	163	163	165	164	160	163	164	162	170	162	165	164	166	166	165	166	162	155	161	13.6	178	141	1.2	37	3856	
10	148	146	149	155	158	167	171	170	170	167	169	170	171	171	163	159	150	163	170	169	166	167	163	156	163	13.2	173	142	1.2	31	3908
11	149	147	147	151	161	169	170	170	170	170	169	169	168	169	169	169	168	164	164	173	164	162	157	155	164	19.1	178	145	2.1	33	3924
12	153	149	151	155	161	167	169	169	167	166	166	164	164	165	165	164	164	164	163	161	164	164	161	152	162	10.4	170	148	1.3	22	3888
13	144	142	147	154	162	167	169	171	169	169	167	166	162	159	161	167	168	169	168	167	168	165	164	159	163	7.4	*171	141	1.3	30	3904
14	153	147	150	155	164	168	167	165	163	165	168	168	169	170	171	172	174	170	164	167	167	168	164	152	164	16.7	177	146	1.6	31	3941
15	142	140	144	151	154	162	162	160	154	156	143	154	156	153	156	161	161	166	160	156	159	157	153	139	154	9.6	187	131	10.0	56	3699
16	130	133	140	153	155	161	152	157	157	157	155	152	164	155	151	142	152	160	163	169	170	168	166	152	7.55	12.4	175	126	0.4	49	3714
17	150	143	138	142	151	157	153	151	148	154	161	161	155	146	139	152	153	143	147	151	159	163	162	153	157	21.5	164	136	14.1	28	3626
18	140	132	138	148	155	157	161	157	160	154	152	156	165	162	154	157	160	161	163	164	166	168	161	150	156	12.8	175	130	1.8	45	3741
19	142	141	143	149	153	154	*53	155	155	155	154	165	162	161	162	167	161	157	163	164	164	163	157	7.48	156	15.4	171	140	1.0	31	3748
20	144	141	146	153	160	165	164	160	155	153	151	147	145	142	147	143	152	150	152	150	150	156	159	153	152	5.6	168	137	15.0	31	3638
21	147	144	145	151	160	164	165	165	162	162	159	157	154	149	148	147	146	143	137	145	160	163	165	161	154	21.7	166	132	18.7	34	3699
22	151	147	147	150	157	157	160	156	149	147	132	137	151	147	147	142	144	138	128	146	151	155	156	153	148	5.0	165	112	10.9	53	3548
23	148	147	148	154	160	162	162	162	160	160	160	162	163	164	165	166	167	168	170	170	172	171	170	164	162	20.5	*172	143	1.1	29	3895
24	155	148	157	157	162	164	163	165	166	164	160	153	154	149	146	145	157	154	164	166	165	165	163	158	158	16.0	182	133	15.7	49	3800
25	152	149	152	159	165	169	170	168	166	165	166	167	168	173	175	176	176	175	171	174	178	179	172	164	168	20.9	180	*149	1.4	31	4029
26	161	157	163	172	178	181	181	180	175	174	178	173	164	169	173	172	169	151	154	151	155	162	152	150	166	5.6	183	141	17.7	42	3995
27	147	149	155	160	179	168	165	157	146	157	157	142	148	153	143	142	154	159	157	164	160	162	162	155	156	4.6	187	127	15.7	60	3741
28	147	146	151	155	154	160	166	167	165	160	155	184	141	143	154	152	165	151	157	162	162	162	145	153	157	11.6	214	126	12.7	88	3757
29	152	151	130	128	132	145	141	142	132	145	144	141	141	113	113	113	113	125	127	138	161	179	147	138	137	21.0	189	69	14.9	120	3291
30	126	127	126	129	137	139	139	132	141	138	126	130	123	133	134	147	151	143	143	157	160	156	160	156	140	16.2	176	113	10.4	63	3353
31	147	144	143	153	164	164	157	156	154	155	155	156	155	157	160	161	162	161	157	160	154	166	165	155	157	21.9	191	133	23.1	58	3761
Среднее по всем дням	147	144	146	151	158	161	160	159	156	157	155	156	155	153	152	153	157	157	157	160	162	163	160	154	156		177	131		46	3733
Среднее по ср. дням	147	146	149	155	162	166	168	167	165	165	165	165	165	166	167	168	169	169	168	168	170	169	166	160	164					29	
Среднее по минутам. дн.	145	142	139	141	145	148	149	147	145	146	137	144	135	129	130	132	136	135	138	149	156	159	149	148	143					80	
Сумма по всем дням	4560	4474	4531	4692	4884	4979	4969	4924	4850	4873	4819	4851	4801	4746	4725	4752	4857	4852	4868	4960	5028	5061	4946	4761	4824		5477	4069		1408	115760
Сумма по ср. дням	740	730	745	774	810	832	838	837	827	826	825	827	825	829	834	842	844	844	841	842	851	846	832	799	819					143	
Сумма по минутам. дн.	724	712	694	704	724	740	747	735	725	732	685	719	676	645	652	658	680	673	689	743	779	793	747	738	714					400	

Условные обозначения: Δ - погр. лампа, > или < - запись выплата за бумагу, □ - остановились часы, Δ - иные причины отсутствия записи. Величинный, взятые приблизительно с магнитограммы - ( )

Обработал А. Сивцева Проверил А. Савантсва

Ведомство СВ НКВД  
 Обсерватория Магадан  
 Месяц Декабрь Год 1979

Широта 60°07' Долгота 151°01'

Элемент Вертикальная составляющая  
Z 52500  $\pm$   $\epsilon Z = 1.53'$  Z 52581'  
 Бш  $\epsilon Z = 2.46'$   $Z_0 = 52889$

Время мировое																							Сред. сут.			
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23				
1	95	93	93	91	93	96	96	97	99	102	102	96	93	89	91	91	76	84	90	94	95	96	94	94		
2	99	100	100	99	101	102	102	102	104	104	101	102	102	99	98	96	95	91	90	93	94	95	97	98	98	
3	98	98	96	95	97	99	100	103	105	104	105	101	99	97	93	94	96	96	97	96	97	98	99	98	98	
4	96	95	93	93	96	99	102	108	112	107	114	113	114	110	101	90	84	84	89	94	92	92	92	89	98	
5	98	99	98	97	100	102	103	105	105	108	111	110	106	103	92	93	94	93	96	96	96	98	100	102	100	
6	102	103	100	102	100	100	101	101	102	102	102	100	99	99	98	98	98	98	99	99	99	100	101	99	100	
7	98	99	96	99	99	99	98	97	96	97	97	97	96	96	95	94	94	94	94	94	94	96	98	97	96	
8	96	96	95	96	95	95	94	93	93	93	94	95	99	97	92	93	91	79	85	89	88	90	92	92	93	
9	92	96	98	99	100	99	99	99	98	99	99	98	98	94	91	93	93	94	94	94	94	95	96	98	96	
10	95	93	96	96	98	99	96	96	96	96	96	95	94	95	94	90	87	87	83	85	90	93	96	96	93	
11	99	97	96	93	96	96	95	94	94	95	95	94	94	94	94	93	93	93	90	84	86	90	94	97	94	
12	95	93	94	96	98	96	95	96	95	96	96	96	96	96	96	94	94	94	93	93	93	93	96	97	95	
13	94	93	93	94	97	98	97	96	96	96	96	96	97	99	99	97	96	94	94	93	93	93	95	95	95	
14	95	95	93	94	97	96	94	94	94	94	94	95	93	93	93	93	92	92	91	90	92	94	96	96	94	
15	95	95	94	93	96	99	95	96	99	99	107	104	101	99	98	95	94	87	76	73	81	90	97	98	94	
16	99	99	98	97	99	100	99	99	99	99	100	101	95	96	96	92	93	94	95	94	93	93	96	98	97	
17	97	96	94	96	99	99	100	102	104	104	102	99	98	97	96	84	79	77	83	87	92	94	95	93	94	
18	93	95	99	97	98	100	98	98	98	97	99	99	96	90	90	93	94	94	95	96	96	94	96	98	96	
19	99	99	98	97	96	99	99	99	100	99	99	98	96	95	94	91	89	90	93	91	93	95	94	96	96	
20	96	95	96	96	96	97	96	96	96	96	97	99	100	100	95	89	90	88	88	86	87	90	92	93	94	
21	91	90	95	95	96	96	96	96	95	95	94	96	98	98	98	95	93	90	86	88	90	88	87	87	93	
22	87	89	91	92	93	91	90	90	92	93	97	105	99	96	92	87	81	59	49	73	88	93	93	93	88	
23	93	91	93	93	93	93	93	94	94	94	95	95	94	94	94	94	93	93	93	93	93	93	93	93	93	
24	94	95	96	96	96	96	93	92	93	93	93	93	94	93	93	89	68	84	90	91	91	91	90	90	91	
25	90	93	93	93	94	93	92	91	90	91	91	91	91	91	91	90	90	89	88	89	89	88	87	88	90	90
26	88	86	90	91	92	91	88	87	86	87	88	90	92	93	91	90	87	77	79	79	78	78	84	88	87	
27	89	93	92	92	94	93	92	93	99	99	98	98	98	96	84	69	53	68	84	88	90	91	94	95	89	
28	93	95	94	92	93	96	95	94	94	95	96	93	84	93	94	92	77	83	89	91	92	90	91	93	92	
29	89	87	90	95	103	110	107	107	111	113	105	105	102	97	69	44	37	39	49	36	41	51	63	71	80	
30	79	88	96	102	108	109	110	111	110	110	114	105	112	114	105	84	74	84	86	92	93	96	97	97	99	
31	94	92	95	96	99	97	96	95	95	95	96	96	95	96	96	94	93	90	87	82	85	88	84	88	93	
Среднее по всем дням	94	94	95	95	97	98	97	97	98	98	99	99	98	97	94	90	87	85	87	88	89	91	93	94	94	
Среднее по спокойн. дн.	94	94	94	95	96	96	95	95	94	95	95	95	95	95	95	94	93	93	93	92	92	92	94	94	94	
Среднее по возмущ. дн.	89	91	93	95	99	101	101	102	104	104	105	104	102	102	92	79	71	70	72	77	81	84	87	89	91	

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  иные причины отсутствия записей. Величины, взятые приближенно с магнитограммы — |

Обработал А. Сивцева

Проверил А. Сивангва

Элемент Вертикальная составляющая

БШ  $EZ = 246'$   
 $Z_0 = 52889'$

705464 118-III

Месяц Декабрь Год 1929

$Z = 52500'$

$EZ = 153'$   $Z_0 = 52581'$

Время наблюдения	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 max	Max мин	Mini мин	Время min	Ампл.	Сумма			
1	95	93	93	91	93	96	96	97	99	102	102	102	96	93	89	91	91	76	84	90	94	95	96	97	94	4.1	+102	92	17.3	30	2251	
2	99	100	100	99	101	102	102	102	104	104	101	102	102	99	92	96	95	91	90	93	94	95	97	98	98	9.1	105	89	18.0	16	2364	
3	98	98	96	95	97	99	100	103	105	104	105	101	99	97	93	94	96	96	97	96	97	98	99	98	98	9.0	106	91	14.5	15	2361	
4	96	95	93	93	96	99	102	102	112	107	114	113	114	110	101	90	84	84	89	94	92	92	92	89	98	12.0	116	79	16.8	37	2359	
5	98	99	98	97	100	102	103	105	105	108	111	110	106	103	92	93	94	93	96	96	96	98	100	102	100	11.0	113	90	14.4	23	2405	
6	102	103	100	102	100	100	101	101	102	102	102	102	99	99	98	98	98	98	99	99	99	100	101	99	100	1.5	104	+98	16.0	6	2402	
7	98	99	96	99	99	99	98	97	96	97	97	97	96	96	95	94	94	94	94	94	94	96	98	97	96	5.0	100	+94	19.8	6	2314	
8	96	96	95	96	96	95	94	93	93	94	95	99	97	92	93	91	79	85	89	88	90	92	92	93	93	12.8	101	77	17.8	24	2222	
9	92	96	98	99	100	99	99	99	98	99	99	98	98	94	91	93	93	94	94	94	94	95	96	98	96	4.5	101	+91	14.0	10	2310	
10	95	93	96	96	98	99	96	96	96	96	96	95	94	95	94	90	87	87	83	85	90	93	96	96	93	5.0	+99	82	18.7	17	2242	
11	99	97	96	93	96	96	95	94	94	95	95	94	94	94	94	93	93	93	90	84	86	90	94	97	94	0.8	+99	81	19.5	18	2246	
12	95	93	94	96	98	96	95	96	95	96	96	96	96	96	96	94	94	94	93	93	93	93	96	97	95	4.7	99	92	18.7	7	2281	
13	94	93	93	94	97	98	97	96	96	96	96	96	97	99	99	97	96	94	94	93	93	93	95	95	95	13.4	+99	92	20.8	7	2291	
14	95	95	93	94	97	98	94	94	94	94	95	94	93	93	93	93	92	92	91	90	92	94	96	96	94	4.5	98	+90	18.9	8	2250	
15	95	95	94	93	96	99	95	96	99	99	107	104	101	99	98	95	94	87	76	73	81	90	97	98	94	10.5	109	72	19.2	37	2261	
16	99	99	98	97	99	100	99	99	99	99	100	101	95	96	96	92	93	94	95	94	93	93	96	98	97	11.6	102	91	15.3	11	2324	
17	97	96	94	96	99	99	100	102	104	104	102	99	98	97	96	84	79	77	83	87	92	94	95	93	94	8.1	105	76	16.0	29	2267	
18	93	95	99	97	98	100	98	98	98	97	99	99	96	90	90	93	94	94	95	96	96	94	96	98	96	5.7	101	87	14.2	14	2303	
19	99	99	98	97	96	99	99	99	100	99	99	98	96	95	94	91	89	90	93	91	93	95	94	96	96	7.8	101	87	16.0	14	2299	
20	96	95	96	96	96	97	96	96	96	97	99	100	100	100	95	89	90	88	88	86	87	90	92	93	94	12.0	101	85	19.1	16	2258	
21	91	90	95	95	96	96	96	96	95	95	94	96	98	98	98	95	93	90	86	88	90	88	87	87	93	12.5	99	84	18.5	15	2233	
22	87	89	91	92	93	91	90	90	92	93	97	105	99	96	92	87	81	59	49	73	88	93	93	93	88	11.2	109	38	18.2	71	2113	
23	93	91	93	93	93	93	93	94	94	94	95	95	94	94	94	94	93	93	93	93	93	93	93	93	93	10.4	+95	+91	1.1	4	2241	
24	94	95	96	96	96	96	93	92	93	93	93	93	94	93	93	89	68	84	90	91	91	91	91	90	90	91	3.3	+96	62	16.5	34	2194
25	90	93	93	93	94	93	92	91	90	91	91	91	91	91	90	90	89	88	89	89	88	87	88	90	90	4.0	+94	+87	21.0	7	2172	
26	88	86	90	91	92	91	88	87	86	87	88	90	92	93	91	90	87	77	79	79	78	78	84	88	87	13.1	+93	75	17.5	18	2080	
27	89	93	92	92	94	93	92	93	99	99	98	98	98	96	84	69	53	68	84	88	90	91	94	95	89	8.4	100	44	16.7	56	2142	
28	93	95	94	92	93	96	95	94	94	95	96	93	84	93	94	92	77	83	89	91	92	90	91	93	92	11.3	100	75	16.5	25	2199	
29	89	87	90	95	103	110	107	107	111	113	105	105	102	97	69	44	37	39	49	36	41	51	63	71	80	9.3	115	13	19.9	102	1921	
30	79	88	96	102	108	109	110	111	110	110	114	105	112	114	105	84	74	84	86	92	93	96	97	97	99	10.6	119	69	16.5	50	2576	
31	94	92	95	96	99	97	96	95	95	95	96	96	95	96	96	94	93	90	87	82	85	88	84	88	93	4.8	+99	80	19.5	19	2224	
Среднее по всем дням	94	94	95	95	97	98	97	97	98	98	99	99	98	97	94	90	87	85	87	88	89	91	93	94	94		103	79		24	2254	
Среднее по сп. дням	94	94	94	95	96	96	95	95	94	95	95	95	95	95	95	94	93	93	93	92	92	92	94	94	94					6		
Среднее по безсп. дн.	89	91	93	95	99	101	101	102	104	104	105	104	102	102	92	79	71	70	72	77	81	84	87	89	91					57		
Сумма по всем дням	2918	2928	2945	2957	3012	3035	3011	3021	3044	3053	3076	3061	3028	3003	2900	2781	2682	2650	2690	2719	2773	2824	2882	2912	2910			3180	2434	746	69905	
Сумма по сп. дням	470	469	469	475	481	479	475	474	471	474	475	475	474	476	474	469	466	463	463	462	461	462	470	472	469					31		
Сумма по безсп. дн.	444	454	464	474	493	505	504	510	519	518	526	521	511	510	461	397	353	349	362	386	406	422	436	443	457					285		

БШ ЕТ = 3.27 Часы в сут. III  
 То е 1 по 16 = 55738  
 с 17 по 31 = 557398

Элемент Толная сила

Месяц Декабрь Год 1979

T = 55500<sup>8</sup>

ET = 189 T = 555748

Время измерения	1-17																	19-23					Средн. суточн.	Время макс.	Макс. мин.	Мин. мин.	Время минимум	Англ.	Сумма			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23										
1	107	105	105	105	108	111	109	107	107	110	109	111	100	99	97	100	104	90	99	106	111	111	111	111	106	11.6	112	87	17.3	25	2533	
2	112	111	111	110	113	113	114	113	113	117	112	111	115	112	110	111	111	107	106	110	113	114	116	114	112	9.7	126	104	18.0	22	2689	
3	111	109	105	103	105	106	106	110	109	112	111	112	110	109	105	107	111	112	114	113	114	116	116	112	110	9.3	119	102	3.5	17	2638	
4	108	103	100	101	106	106	111	115	118	116	118	116	114	104	97	81	78	85	95	102	99	95	99	102	103	9.0	125	77	16.5	48	2469	
5	105	105	106	107	113	116	116	116	115	117	120	119	118	115	102	100	104	106	107	108	109	110	113	113	111	103	120	99	15.0	21	2660	
6	112	111	109	113	112	113	113	113	115	115	116	115	115	114	114	113	113	113	113	112	113	114	113	109	113	102	117	108	2.4	9	2713	
7	107	107	107	110	115	118	116	115	114	114	115	115	114	114	113	113	113	113	113	114	113	114	115	112	113	22.4	*118	105	2.2	13	2714	
8	109	108	110	114	117	119	116	115	115	112	116	115	114	110	102	103	107	100	100	106	104	103	105	105	109	5.5	*119	95	18.0	24	2624	
9	103	103	107	111	115	115	115	115	114	113	115	114	113	113	113	107	109	109	112	111	111	112	112	111	111	2.8	117	101	0.6	16	2671	
10	105	103	107	109	112	116	115	115	114	113	113	113	113	114	111	104	100	103	101	103	107	111	111	110	109	5.5	117	98	16.2	19	2623	
11	110	107	106	104	111	114	114	113	113	114	113	113	112	112	112	112	111	109	107	103	101	106	108	111	110	5.1	115	100	19.8	15	2636	
12	108	104	106	108	113	114	113	114	113	114	114	113	113	113	112	111	111	111	109	108	110	110	112	109	111	4.9	116	104*	1.5	12	2663	
13	104	102	104	107	113	116	115	115	114	114	114	113	113	113	113	113	115	114	112	112	111	111	112	110	112	5.1	*116	101	1.4	15	2680	
14	108	105	104	108	114	114	112	111	111	112	114	112	112	112	112	112	112	113	111	108	109	110	112	109	111	4.9	115	104*	1.6	11	2658	
15	103	102	103	105	109	113	111	111	112	114	115	117	115	112	112	110	110	103	92	89	98	104	110	106	107	9.5	122	88	19.4	34	2576	
16	103	104	106	110	113	116	111	114	114	114	114	113	113	110	108	100	106	110	111	113	112	112	113	110	110	12.4	117	99	15.4	18	2650	
17	108	105	102	104	111	112	113	114	115	117	117	115	112	108	104	97	92	87	95	100	107	110	111	106	107	9.2	119	86	17.5	33	2562	
18	102	100	105	108	112	115	114	112	113	111	112	113	114	106	103	108	109	110	111	113	114	112	111	110	110	5.7	116	99	1.2	17	2638	
19	108	107	107	109	110	113	112	114	114	114	113	115	112	111	111	110	104	106	109	108	111	111	109	107	110	11.2	117	104*	16.1	13	2645	
20	105	104	107	109	112	114	113	111	109	111	111	111	110	109	108	100	103	100	101	99	101	104	107	106	107	14.5	118	94	15.0	24	2565	
21	102	100	104	108	111	113	113	113	111	111	110	110	111	110	108	106	104	100	93	100	105	104	103	102	106	5.5	114	91	18.6	23	2552	
22	100	100	101	102	105	104	104	102	101	102	101	111	109	105	101	96	89	68	55	83	100	106	107	104	98	12.0	118	43	18.2	75	2356	
23	102	101	103	105	108	109	109	109	109	110	111	111	111	111	110	111	111	111	112	113	112	113	112	109	109	17.5	113	100	1.1	13	2623	
24	108	105	110	110	111	112	109	109	109	109	108	105	106	104	103	100	83	97	107	109	108	107	107	105	106	5.1	113	76	16.6	37	2541	
25	103	104	106	107	111	112	111	109	108	107	109	109	109	111	110	110	109	109	107	109	109	109	107	106	108	5.6	*112	102	0.7	10	2601	
26	103	100	105	111	113	113	111	108	107	107	110	109	108	111	110	109	105	90	93	92	92	94	98	100	104	4.8	114	85	17.6	29	2499	
27	100	103	105	106	115	110	108	107	108	112	111	106	109	108	94	80	68	82	100	104	107	107	108	108	103	4.6	120	58	16.7	62	2467	
28	103	105	106	104	106	110	112	112	111	109	109	116	93	101	107	105	94	94	103	106	107	106	100	103	105	11.5	128	88	16.9	40	2522	
29	100	99	94	99	108	119	115	115	116	119	115	113	110	96	67	45	39	45	55	46	58	74	75	78	88	9.8	129	28	19.8	101	2100	
30	83	92	99	105	114	115	116	115	117	116	116	107	113	120	112	97	86	94	94	106	108	109	112	111	107	13.6	126	80	0.1	46	2557	
31	104	101	104	109	115	113	110	109	108	108	109	109	108	110	110	109	109	103	101	98	99	104	101	102	106	5.1	117	92	23.0	25	2553	
Среднее по всем дням	105	104	105	107	111	113	112	112	112	112	113	112	111	110	106	103	101	100	101	103	106	107	108	107	107		118	90		28	2581	
Среднее по сл. дням	105	104	105	107	112	114	113	112	112	112	113	112	112	112	112	112	112	111	111	111	111	111	112	109	111					13		
Среднее по формул. дн.	99	100	100	102	108	111	112	112	113	112	112	113	108	105	97	85	77	77	80	89	94	98	99	100	100					62		
Сумма по всем дням	3246	3215	3254	3321	3451	3504	3477	3471	3467	3484	3491	3482	3439	3397	3285	3184	3120	2093	3135	3204	3274	3326	3347	3311	3332		3665	2798		867		79978
Сумма по сл. дням	524	518	526	537	560	569	564	562	558	559	563	561	560	562	558	560	558	557	553	556	555	557	558	546	553					63		
Сумма по формул. дн.	494	499	500	511	539	554	558	559	563	562	559	563	539	526	484	424	386	386	402	443	472	490	493	498	501					310		

Условные обозначения: Δ — погасла лампа, > или < — запись вышла за бумагу; □ — остановился час; Δ илие причины отсутств. записи. Величина, взяты приближенно с магнитограмм — ( )

Обработал Сивуева

Проверил Савангсва

Ведомство

СВКНИИ

Обсерватория

Магадан

Месяц

Декабрь

Год

1979

Широта 60°07'

Долгота 151°01'

Элемент *Полная сила*

T = 55500<sup>o</sup> +

ET = 189<sup>o</sup> T = 55574<sup>o</sup>

БШ ET = 3.2764118 - 111.  
То с 1 по 16 = 55738<sup>o</sup>  
с 17 по 31 = 55739<sup>o</sup>

Время мировое																							ср. сут.		
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23			
1	107	105	105	105	108	111	109	107	107	110	109	111	100	99	97	100	104	90	99	106	111	111	111	111	106
2	112	111	111	110	113	113	114	113	113	117	112	111	115	112	110	111	111	107	106	110	113	114	116	114	112
3	111	109	105	103	105	106	106	110	109	112	111	112	110	109	105	107	111	112	114	113	114	116	116	112	110
4	108	103	100	101	106	106	111	115	118	116	118	116	114	104	97	81	78	85	95	102	99	95	99	102	103
5	105	105	106	107	113	116	116	116	115	117	120	119	118	115	102	100	104	106	107	108	109	110	113	113	111
6	112	111	109	113	112	113	113	113	115	115	116	115	115	114	114	113	113	113	113	112	113	114	113	109	113
7	107	107	107	110	115	118	116	115	114	114	115	115	114	114	113	113	113	113	113	114	113	114	115	112	113
8	109	108	110	114	117	119	116	115	115	112	116	115	114	110	102	103	107	100	100	105	104	103	105	105	109
9	103	103	107	111	115	115	115	115	114	113	115	114	113	113	107	109	109	111	112	111	111	112	112	111	111
10	105	103	107	109	112	116	115	115	114	113	113	113	113	114	111	104	100	103	101	103	107	111	111	110	109
11	110	107	106	104	111	114	114	113	113	114	113	113	112	112	112	112	111	109	107	103	101	106	108	111	110
12	108	104	106	108	113	114	113	114	113	114	114	113	113	113	112	111	111	111	109	108	110	110	112	109	111
13	104	102	104	107	113	116	115	115	114	114	114	113	113	113	113	115	114	113	112	112	111	111	112	110	112
14	108	105	104	108	114	114	112	111	111	112	114	112	112	112	112	112	113	111	108	109	110	112	113	109	111
15	103	102	103	105	109	113	111	111	112	114	115	117	115	112	112	110	110	103	92	89	98	104	110	106	107
16	103	104	106	110	113	116	111	114	114	114	114	113	113	113	110	108	100	106	110	111	113	112	112	110	110
17	108	105	102	104	111	112	113	114	115	117	117	115	112	108	104	97	92	87	95	100	107	110	111	106	107
18	102	100	105	108	112	115	114	112	113	111	112	113	114	106	103	108	109	110	111	113	114	112	111	110	110
19	108	107	107	109	110	113	112	114	114	114	113	115	112	111	111	110	104	106	109	108	111	111	109	107	110
20	105	104	107	109	112	114	113	111	109	111	111	111	110	109	108	100	103	100	101	99	101	104	107	106	107
21	102	100	104	108	111	113	113	113	111	111	110	110	111	110	108	106	104	100	93	100	105	104	103	102	106
22	100	100	101	102	105	104	104	102	101	102	101	111	109	105	101	96	89	68	55	83	100	106	107	104	98
23	102	101	103	105	108	109	109	109	109	110	111	111	111	111	110	111	111	111	112	113	112	113	112	109	109
24	108	105	110	110	111	112	109	109	109	109	109	108	106	104	103	100	83	97	107	109	108	107	107	105	106
25	103	104	106	107	111	112	111	109	108	107	109	109	109	111	110	110	109	109	107	109	109	109	107	106	108
26	103	100	105	111	113	113	111	108	107	107	110	109	108	111	110	109	105	90	93	92	92	94	98	100	104
27	100	103	105	106	115	110	108	107	108	112	111	106	109	108	94	80	68	82	100	104	107	107	108	108	103
28	103	105	106	104	106	110	112	112	111	109	109	116	93	101	107	105	94	94	103	106	107	106	100	103	105
29	100	99	94	99	108	119	115	115	116	119	115	113	110	96	67	45	39	45	55	46	58	74	75	78	88
30	83	92	99	105	114	115	116	115	117	116	116	107	113	120	112	97	86	94	94	106	108	109	112	111	107
31	104	101	104	109	115	113	110	109	108	108	109	109	108	110	110	109	109	103	101	98	99	104	101	102	106
Среднее по всем дням	105	104	105	107	111	113	112	112	112	112	113	112	111	110	106	103	101	100	101	103	106	107	108	107	107
Среднее по спокойн. дн.	105	104	105	107	112	114	113	112	112	112	113	112	112	112	112	112	112	111	111	111	111	111	112	109	111
Среднее по возмущ. дн.	99	100	100	102	108	111	112	112	113	112	112	113	108	105	97	85	77	77	80	89	94	98	99	100	100

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

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Проверил *А. Савангиса*