

Ведомство СВХНЦ
Обсерватория Магадан
Месяц Январь Год 1969

Широта $60^{\circ}07'$ Долгота $151^{\circ}01'$

Среднемесячн. $\delta = 13^{\circ}01.3$

Элемент Угол склонения

$\delta = -12^{\circ}00.0 +$

$\epsilon = 0.469 / \text{мм}_0 =$

$\delta_{01-16} = 13^{\circ}25.3$
 $17-31 = 13^{\circ}25.2$

Время мировое		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни																		
1	62.1	62.1	63.0	62.7	62.0	62.0	62.1	63.1	62.1	62.0	60.0	62.0	61.1	61.1	58.3	59.8	59.9	57.1
2	61.6	61.6	61.8	62.7	63.2	62.2	61.6	61.3	61.1	61.1	61.2	61.6	62.2	61.6	61.7	60.7	60.9	61.0
3	60.8	60.7	61.2	62.1	62.1	61.9	61.3	60.9	60.8	60.9	60.8	60.8	60.8	61.1	59.9	60.1	60.7	60.4
4	59.6	59.6	60.4	62.2	62.7	61.8	61.0	60.8	60.9	61.1	61.7	61.1	61.4	61.1	60.8	60.3	60.1	59.8
5	60.7	60.9	61.1	61.6	61.6	61.3	61.1	61.0	60.9	60.9	60.8	61.1	61.1	60.2	60.7	60.3	60.3	60.2
6	59.7	60.7	61.7	62.5	63.0	62.1	61.3	60.9	60.9	60.9	60.7	61.0	60.9	60.8	60.2	60.2	60.2	60.1
7	60.8	61.3	61.8	61.1	60.3	59.8	59.4	59.8	60.9	62.2	63.3	61.1	61.1	62.7	61.1	60.1	59.5	58.1
8	61.8	62.5	63.5	64.9	62.5	62.1	62.0	62.0	61.3	61.6	61.2	61.2	61.6	61.1	60.9	60.7	60.8	59.2
9	62.3	63.6	64.9	64.8	64.8	63.5	62.4	62.7	61.7	61.6	61.2	61.3	61.1	60.9	61.2	61.1	61.4	60.9
10	61.1	61.8	62.7	63.0	63.2	62.0	61.6	61.2	61.1	60.8	60.9	61.3	59.3	61.6	61.6	60.8	60.1	59.5
11	61.8	62.5	63.5	64.1	63.5	62.8	62.0	61.4	61.4	61.8	60.9	60.7	60.8	60.6	57.9	60.3	60.0	59.8
12	61.3	61.9	62.1	62.2	62.3	62.0	62.0	61.6	61.9	63.6	62.6	62.3	60.2	60.7	57.0	58.8	59.0	56.0
13	61.5	62.4	62.8	63.7	63.4	62.1	61.1	60.8	61.0	61.5	62.1	61.8	61.0	60.7	60.9	60.9	61.0	60.9
14	61.2	63.1	62.9	63.1	63.1	63.0	62.9	62.5	63.1	62.1	59.8	61.9	61.5	61.0	61.0	60.7	60.4	60.0
15	62.5	64.8	64.7	66.2	65.2	63.4	64.0	62.7	61.9	63.7	63.1	61.4	60.8	60.8	61.0	59.9	60.3	60.2
16	60.8	62.9	63.5	65.6	64.5	63.0	62.2	60.7	61.6	61.1	60.0	63.3	59.7	54.6	58.6	60.9	61.0	60.8
17	64.6	64.6	66.9	67.6	66.7	66.7	63.6	62.0	63.0	61.2	61.3	62.2	58.5	61.2	61.1	60.9	59.7	62.2
18	66.4	64.4	62.3	63.6	64.9	64.3	62.5	59.9	61.1	58.3	61.4	47.5	59.8	61.3	61.7	58.3	62.8	61.3
19	62.1	63.1	63.4	64.4	63.7	63.1	62.4	62.1	61.8	56.3	61.1	62.1	61.8	60.9	60.1	60.9	60.7	60.7
20	60.7	61.8	62.6	65.0	65.9	64.0	63.6	61.2	61.8	61.3	60.9	60.9	60.8	63.6	61.3	61.6	58.5	58.7
21	61.9	62.0	62.5	62.5	63.4	62.6	61.1	60.8	61.1	60.8	58.5	61.1	61.1	60.9	60.9	60.9	60.9	60.7
22	60.5	61.1	61.8	62.4	62.0	61.6	61.4	60.9	60.3	59.5	60.5	60.3	60.3	60.8	60.8	60.8	60.7	62.0
23	61.0	62.0	62.5	62.8	63.2	62.5	61.9	61.1	60.5	60.3	60.5	59.7	58.7	60.6	60.2	60.1	58.2	57.7
24	60.6	60.6	60.8	61.8	61.8	61.0	60.9	60.3	60.1	60.0	60.0	60.3	61.1	56.4	57.8	54.1	55.1	55.2
25	64.5	69.3	66.0	64.6	64.1	63.9	63.5	65.0	64.2	60.3	62.0	55.1	48.1	56.8	55.4	61.3	61.6	55.0
26	71.4	69.7	63.2	65.6	64.6	62.5	61.3	60.9	61.0	61.0	61.6	59.2	47.0	57.3	66.9	63.7	61.1	61.1
27	61.8	62.8	64.0	65.0	63.9	63.2	62.0	63.3	62.0	61.2	61.0	61.8	57.6	58.9	60.0	61.6	61.3	59.1
28	64.1	64.2	64.7	64.7	63.3	62.5	61.8	61.3	61.3	61.5	61.8	61.6	61.6	61.3	81.5	81.6	62.0	61.7
29	62.7	63.5	64.2	64.1	63.6	63.2	62.3	61.7	61.3	61.2	61.1	60.9	60.9	61.2	61.5	61.3	61.3	61.1
30	62.8	63.0	63.2	63.4	62.7	62.2	61.6	60.8	61.1	61.6	60.1	62.1	61.8	61.4	61.3	61.1	61.6	61.8
31	61.7	62.6	62.9	62.8	62.2	61.6	61.1	60.5	61.2	62.1	62.7	62.1	63.3	60.2	60.7	58.3	56.4	59.4
СРЕДНЕЕ ПО ВСЕМ ДНЯМ		62.1	62.8	63.0	63.6	63.3	62.6	61.9	61.5	61.4	61.1	61.1	60.7	59.9	60.4	60.5	60.4	59.7

19	20	21	22	23	Средн. суточн.	
58.0	60.7	60.8	61.8	61.8	61.7	61.1
60.9	60.9	60.8	60.7	60.3	60.7	61.4
60.7	61.1	61.1	60.8	60.2	59.8	60.9
60.3	60.7	60.7	60.2	60.3	60.7	60.8
60.1	60.3	60.3	60.3	60.1	59.7	60.7
60.2	60.7	60.7	60.4	60.2	60.3	60.8
58.7	53.8	57.0	59.5	61.2	61.6	60.3
58.8	61.8	60.0	59.4	61.7	63.0	61.5
60.3	60.7	60.2	60.4	59.7	60.3	61.8
60.3	59.8	60.3	61.1	61.3	61.6	61.2
59.9	59.7	59.8	60.2	59.7	60.7	61.1
59.8	61.2	61.5	61.5	61.6	61.3	61.0
61.1	61.0	60.8	60.2	59.0	58.9	61.3
59.8	62.1	58.9	60.1	60.2	59.7	61.4
66.3	60.9	57.2	59.3	59.0	60.0	62.1
60.9	60.4	60.3	60.4	59.8	61.3	61.2
64.3	57.5	61.3	61.2	63.0	63.2	62.7
60.8	61.3	61.8	61.8	62.1	61.3	61.3
65.8	62.1	58.8	61.1	60.6	59.2	61.6
58.6	60.6	60.1	61.4	63.4	63.3	61.7
61.8	61.1	60.9	59.7	59.7	60.1	61.2
60.9	60.6	59.9	60.9	59.7	59.9	60.8
58.7	59.4	59.7	60.7	60.1	59.9	60.5
61.1	59.1	67.6	59.2	59.0	59.9	59.7
61.0	64.6	62.0	61.6	61.1	61.8	61.4
60.9	61.0	59.7	60.9	63.0	61.3	61.9
61.6	58.9	60.7	60.7	59.8	62.4	61.5
61.5	61.5	60.8	60.7	61.6	61.9	62.1
61.6	60.8	60.3	59.8	60.1	60.6	61.7
60.7	60.6	60.9	61.0	60.1	60.8	61.6
60.2	61.0	61.3	61.6	60.3	61.2	61.1
60.8	60.5	60.5	60.6	60.6	60.9	61.3

Вариометр Родрова-1 (I-XII, 1969)

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

Обработал А. Н. Савангива

Проведил Сивцева

Ведомство СВКНИИ
Обсерватория Магадан
Месяц Январь Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. H = 18058

Элемент горизонтальная составляющая

H = 17900

$E_H = 2.08 \mu\text{м} = H_0 \sin 31^\circ = 17971$

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	156	151	147	152	155	155	155	153	153	155	146	155	155	164	155	151	153	148
2	152	146	147	149	150	162	166	165	164	165	164	161	158	157	164	160	161	165
3	157	155	154	157	161	166	168	170	170	170	170	170	170	168	168	166	168	168
4	159	153	149	155	164	168	170	170	168	168	164	159	159	164	166	170	169	168
5	160	159	159	159	159	166	170	170	170	170	169	167	166	166	166	166	168	170
6	157	157	155	160	165	168	168	166	166	166	166	166	165	164	166	166	166	168
7	155	153	159	173	180	184	184	180	175	171	172	164	155	155	159	166	163	157
8	151	153	157	166	162	166	168	164	157	161	164	161	164	161	161	168	164	161
9	146	144	149	161	168	168	166	166	164	164	159	159	159	161	161	159	159	159
10	143	145	157	159	166	169	172	170	166	166	166	164	166	159	160	160	159	156
11	146	147	153	162	168	169	168	168	166	168	170	168	169	164	162	158	162	164
12	156	158	161	164	168	168	172	171	171	171	156	154	153	149	152	136	147	138
13	142	146	149	156	161	164	165	165	165	163	157	153	161	162	163	163	165	166
14	146	149	154	157	159	165	164	159	157	166	156	165	166	165	166	163	159	160
15	134	136	137	149	152	162	167	168	167	167	164	161	160	163	165	161	164	161
16	147	145	150	161	166	172	173	168	169	168	162	161	156	158	145	153	154	157
17	130	139	145	150	152	144	152	161	164	146	157	157	165	164	155	152	157	149
18	157	159	154	154	149	149	156	150	152	156	163	136	152	154	160	156	161	157
19	143	139	149	154	158	159	164	164	161	157	160	155	179	157	157	159	158	156
20	148	149	149	148	153	159	164	163	165	160	160	160	155	164	160	163	161	155
21	157	155	157	154	163	164	163	168	168	161	159	165	165	164	164	164	166	165
22	152	157	153	161	165	170	171	172	168	169	168	166	166	166	167	167	168	170
23	152	153	153	157	164	169	171	172	172	170	168	167	166	168	166	178	176	166
24	167	168	168	168	171	173	176	177	176	174	173	171	168	152	143	127	128	132
25	144	144	157	153	152	154	161	125	125	127	140	124	135	136	112	140	130	135
26	101	120	152	157	157	160	157	158	160	162	161	143	135	141	142	159	155	155
27	143	143	145	153	156	151	148	142	129	133	144	145	134	147	140	150	153	141
28	147	150	149	158	164	164	161	161	159	159	156	156	156	157	157	161	159	159
29	143	144	150	153	158	160	163	164	164	161	161	161	161	161	163	165	167	166
30	155	159	161	164	163	163	163	166	166	149	144	161	167	168	165	164	166	167
31	148	157	153	162	167	167	166	166	162	159	157	157	155	150	143	149	139	144
среднее по всем дням	148	149	152	157	161	164	166	164	163	161	160	158	159	159	157	159	159	158

19	20	21	22	23	Средн. суточн.	
156	158	163	164	164	159	155
167	169	170	168	165	160	161
168	170	170	173	171	166	166
169	170	170	168	168	164	165
168	168	168	168	166	164	166
168	170	170	170	164	159	165
160	145	148	156	157	150	163
158	159	158	157	156	157	161
159	159	157	155	155	148	159
157	157	156	157	154	149	159
161	162	163	164	161	157	162
141	150	153	154	149	144	156
167	167	168	167	159	152	160
157	167	157	155	157	150	159
159	150	156	161	161	157	157
157	160	163	166	159	139	159
168	153	157	149	157	155	152
150	145	158	154	155	154	154
155	153	156	156	157	154	157
150	160	161	164	159	157	158
161	163	164	166	163	158	162
167	166	165	162	157	154	164
172	171	169	168	173	168	167
139	143	148	152	153	145	158
131	138	157	147	148	144	140
155	155	152	146	142	146	148
154	145	146	147	142	142	145
159	157	155	155	153	145	157
168	164	163	164	159	157	160
162	160	161	161	155	149	161
152	158	159	157	149	143	155
159	159	160	160	157	153	158

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

Обработал Плодильская

Проверил Савангеева

Ведомство СВКНЦЦ Широта 60°07' Долгота 151°01' Среднемесячн. Z = 52793°
Обсерватория Магадан Элемент Вертикальная составляющая
Месяц Январь Год 1969 Z = 52700° + Ez = 1-31 = 136 мм $Z_{01-8} = 52770°$
 $9-31 = 52772$

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни																	
1	93	96	97	99	100	99	98	98	98	99	99	100	98	94	88	90	88
2	98	98	98	97	98	97	97	95	94	94	94	94	95	95	94	90	94
3	96	96	95	94	94	94	93	93	93	92	91	90	90	90	90	91	92
4	96	95	94	90	93	95	94	93	92	91	92	93	94	94	93	90	91
5	94	94	92	90	93	94	93	90	90	90	90	90	90	90	90	90	91
6	93	93	93	93	93	93	93	91	91	91	91	90	90	91	90	90	90
7	97	97	96	93	89	89	87	86	86	88	92	97	100	103	101	98	93
8	97	97	94	93	94	95	95	95	96	98	96	95	94	94	94	90	91
9	97	99	101	101	99	98	96	97	96	96	96	96	95	95	94	95	95
10	99	99	97	99	98	99	96	96	95	94	94	94	93	94	95	95	95
11	99	101	102	100	99	98	96	95	95	95	95	94	94	95	94	93	94
12	95	96	98	98	99	98	95	93	93	94	97	102	103	103	91	93	94
13	100	101	101	99	99	98	96	95	94	94	95	96	95	94	95	95	94
14	92	91	91	92	96	97	97	95	96	96	97	96	95	95	94	93	94
15	91	97	101	101	102	101	99	98	97	99	99	101	101	102	100	99	98
16	98	98	95	93	97	98	95	94	95	95	96	100	104	99	96	98	99
17	96	96	98	96	101	101	102	102	101	103	107	108	101	97	96	96	89
18	91	90	92	94	96	99	100	101	100	99	98	97	95	96	95	89	72
19	95	96	99	98	98	99	97	95	96	96	97	101	98	88	92	95	92
20	91	92	93	91	93	94	94	92	94	95	94	95	96	92	88	83	80
21	93	95	95	91	92	94	94	93	92	92	93	94	93	93	92	92	91
22	96	97	95	93	96	98	96	93	92	92	92	91	91	91	91	91	91
23	96	98	96	94	92	95	93	91	90	90	91	91	91	92	92	90	84
24	91	91	89	89	92	92	90	88	87	87	87	88	89	88	83	71	70
25	83	90	92	92	95	95	95	102	117	121	119	109	91	75	84	80	34
26	92	102	96	92	94	96	95	95	94	94	94	99	99	99	95	79	84
27	92	96	99	99	100	101	100	99	103	106	106	98	98	81	83	91	81
28	96	99	98	98	99	99	97	96	95	95	95	95	95	96	96	96	94
29	97	99	100	101	102	100	98	95	95	94	94	94	93	94	94	94	94
30	98	97	96	94	96	96	95	93	93	95	100	100	96	94	93	93	90
31	99	100	99	96	98	98	96	94	92	92	94	95	96	96	95	87	84
Среднее по всем дням	95	96	96	95	96	97	96	95	95	95	96	96	95	94	93	91	89

19	20	21	22	23	Средн. суточн.
88	91	93	94	97	95
94	94	94	95	96	95
93	93	94	94	94	93
92	93	93	94	94	93
90	91	92	93	93	91
91	92	92	93	94	92
89	78	85	90	94	92
91	91	87	89	93	94
95	95	95	95	96	96
95	94	94	95	96	96
94	92	92	92	93	95
98	99	99	98	100	97
94	93	93	93	95	96
92	92	88	90	87	93
85	62	77	87	93	95
99	98	97	96	96	97
73	75	83	84	89	95
73	83	93	94	95	93
90	84	87	90	91	94
82	84	87	90	93	91
91	90	91	92	94	93
89	91	91	94	95	93
87	87	88	90	90	91
72	64	52	49	69	80
53	56	56	80	91	86
94	95	94	96	95	94
87	86	91	97	99	94
94	93	95	96	97	96
94	92	93	95	95	96
91	92	93	96	99	95
89	89	88	90	91	93
88	87	89	91	93	93

Ведомство СВК Н И И
Обсерватория Магадан
Месяц февраль Год 1969

Широта 60°04' Долгота 151°01'

Элемент

Среднемесячн.

D = -13°01'5

D₀ = -13°25'2

D = -12°00'00 +

= 6 D с 1-10 = 0.472/мм с 1/11 - 2.8/11 = 0.469/мм

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни																	
1	61.9	62.5	63.1	63.1	62.6	62.1	61.9	61.6	61.2	61.4	61.3	61.4	61.4	61.6	61.8	61.6	59.9
2	60.5	60.9	62.5	63.8	63.2	61.9	61.2	60.9	60.9	61.4	61.1	61.2	60.7	60.9	62.3	60.9	56.2
3	77.2	84.7	80.5	78.1	75.0	72.5	69.4	61.1	62.3	69.2	67.0	69.2	64.6	54.2	64.4	65.0	63.1
4	63.0	64.2	65.2	64.7	63.9	63.3	62.5	62.7	62.3	62.9	63.9	63.0	62.6	62.5	61.2	60.6	60.1
5	64.7	66.4	66.0	64.9	64.9	64.7	64.0	63.0	63.6	63.4	59.2	62.8	62.9	61.5	60.4	60.4	58.4
6	61.4	61.6	62.7	66.6	66.1	63.4	63.2	61.4	62.9	62.6	60.7	62.4	61.9	61.5	61.1	60.7	60.6
7	61.1	61.6	61.9	62.9	64.1	64.4	63.0	62.6	62.5	62.1	62.3	57.7	62.5	62.1	59.6	59.1	59.5
8	66.3	65.5	64.9	64.5	63.4	63.9	62.1	62.6	62.1	62.1	61.5	61.1	61.1	60.6	60.2	59.3	58.5
9	62.1	63.8	64.4	64.1	63.9	63.1	62.4	61.8	61.1	61.0	60.6	60.5	60.8	60.7	59.3	59.5	59.7
10	61.0	63.3	64.3	64.5	64.0	63.3	62.8	62.1	61.9	60.7	62.4	63.0	60.4	58.8	61.4	60.7	62.6
11	64.6	73.9	72.7	65.8	67.1	66.0	63.8	58.9	65.0	58.2	61.1	52.6	55.1	54.8	52.3	40.3	46.0
12	68.6	67.3	68.3	68.2	67.0	65.8	64.5	63.5	63.1	62.5	62.7	62.2	62.3	62.5	62.7	63.1	62.7
13	64.1	65.2	66.0	66.6	67.4	65.5	64.2	63.9	63.4	61.2	62.7	62.2	61.6	60.4	58.1	58.5	60.5
14	60.6	62.5	64.6	66.4	66.2	65.6	64.1	63.0	61.9	61.8	61.3	60.1	61.3	60.6	61.3	62.4	59.7
15	60.0	61.2	63.5	67.2	66.9	65.9	65.7	63.2	62.7	60.9	54.8	60.5	61.0	59.9	57.1	59.0	59.6
16	61.2	61.8	63.1	64.8	65.8	64.8	64.6	64.1	58.7	61.7	61.8	61.4	61.4	61.6	62.3	61.5	58.4
17	60.8	61.1	62.2	63.4	64.6	64.6	63.7	62.2	61.8	62.1	61.8	61.1	61.0	60.8	60.6	60.0	59.6
18	59.3	60.6	62.2	63.5	64.4	64.4	63.0	61.8	61.4	60.8	60.8	60.8	60.7	60.5	60.3	60.2	60.1
19	58.1	59.2	61.1	62.7	64.6	64.6	62.8	61.8	61.2	61.1	60.6	60.5	54.6	56.6	56.7	59.0	59.5
20	58.5	60.4	62.2	63.2	65.0	64.1	62.8	61.8	61.9	61.7	61.2	60.6	58.8	56.9	58.3	59.4	58.9
21	62.2	62.7	62.6	63.0	63.6	64.6	65.3	63.8	62.2	61.9	61.3	60.7	60.3	60.3	59.7	59.3	59.8
22	58.5	60.3	62.1	63.4	64.6	64.6	63.3	62.3	61.8	61.3	60.8	60.4	58.6	58.8	59.5	59.4	57.5
23	57.1	60.3	61.6	63.3	65.4	65.5	65.0	63.4	61.8	61.3	58.5	58.3	56.8	55.1	59.3	60.6	60.1
24	58.3	61.6	63.5	64.6	64.8	63.9	63.0	61.9	61.7	60.3	60.7	60.3	59.9	59.7	59.9	59.9	59.2
25	58.3	61.2	63.4	64.5	64.2	64.3	63.9	62.7	61.8	60.9	61.0	59.0	60.3	60.3	60.3	60.2	60.3
26	58.5	61.3	63.1	65.3	67.4	65.2	64.1	62.6	63.6	62.7	61.6	61.1	60.3	59.0	59.9	59.9	58.8
27	59.8	61.4	65.0	63.6	65.6	62.5	63.5	64.6	61.5	61.1	60.7	60.8	59.2	56.6	58.7	47.1	47.7
28	62.6	65.0	66.4	66.4	66.2	65.5	65.5	65.0	63.6	62.7	62.7	62.4	61.8	61.7	61.5	59.6	57.0
29																	
30																	
31																	
Среднее по всем дням	61.8	63.6	64.6	65.1	65.4	64.6	63.8	62.5	62.1	61.8	61.3	61.0	60.5	59.7	60.0	59.2	58.7

19	20	21	22	23	Средн. суточн.
60.2	60.6	60.5	60.3	59.8	61.3
58.9	51.8	62.5	61.0	66.1	75.1
77.3	64.3	59.2	76.8	59.5	62.1
58.1	59.3	60.2	60.1	61.6	61.6
60.0	60.2	60.4	60.8	62.1	61.7
61.0	60.7	61.3	60.9	60.0	64.2
59.7	58.8	57.4	59.1	58.6	61.4
59.0	58.9	58.7	58.8	60.0	60.7
60.3	60.7	60.7	60.5	59.3	59.2
59.4	59.2	60.3	65.1	65.2	72.3
49.3	49.0	47.3	44.6	60.6	63.3
62.6	63.4	61.0	60.4	58.9	65.8
61.8	61.5	63.0	64.9	61.4	58.8
60.1	61.6	60.6	59.7	61.7	62.2
61.6	58.7	53.8	56.6	58.8	58.7
59.7	63.2	61.9	61.3	60.6	60.3
60.4	60.5	61.9	60.8	58.9	58.7
59.5	59.1	60.1	59.0	58.0	57.3
59.9	58.9	58.3	59.4	57.3	56.9
58.0	59.3	58.8	58.5	57.5	57.6
60.6	59.9	59.5	59.0	57.9	57.1
60.0	58.5	58.4	57.6	57.1	56.2
59.2	59.2	59.4	58.3	57.1	56.6
60.2	60.1	59.4	58.3	57.3	56.4
60.6	60.6	60.7	58.3	57.6	56.9
60.2	59.4	60.2	58.9	58.5	58.4
64.2	65.3	61.8	61.1	59.9	60.3
61.6	61.3	60.3	59.4	65.2	66.1
60.5	59.8	59.6	60.0	59.9	60.9

Ведомство СВ КНИЖИ

Широта $66^{\circ}07'$ Долгота $151^{\circ}01'$

Элемент Горизонтальная составляющая

$$\underline{H} = \underline{179008} + \epsilon_H = \underline{2.097 \text{ MeV}}_{0.1} \quad H_0 = 179718$$

Дни	время мг. ровос																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	141	141	144	150	159	160	161	164	163	161	163	163	163	164	166	169	169	166
2	149	146	150	158	164	167	166	167	161	159	164	159	158	157	166	183	166	162
3	53	70	83	99	108	111	117	120	123	125	121	119	119	134	118	129	127	118
4	121	123	125	127	144	147	149	148	149	145	150	150	148	145	147	152	150	154
5	148	128	139	140	143	143	147	149	152	152	156	155	147	149	157	150	146	144
6	139	139	140	134	142	151	155	169	165	154	149	157	159	158	157	157	156	155
7	142	143	141	146	156	160	163	157	164	163	160	148	155	155	156	157	149	156
8	157	155	157	157	159	158	157	161	164	163	163	164	166	166	163	163	157	165
9	131	133	141	150	159	163	165	168	167	166	165	164	162	162	163	160	160	162
10	137	142	144	151	157	165	166	164	165	164	161	158	158	162	164	162	172	164
11	128	124	138	149	141	141	135	126	127	95	75	69	38	61	43	38	-24	1
12	102	112	121	125	136	144	145	144	148	146	144	143	141	142	141	140	144	146
13	129	125	123	129	138	142	148	151	149	157	157	150	153	149	146	139	147	148
14	134	131	130	127	145	158	160	158	159	160	156	145	147	150	153	156	154	149
15	139	134	129	120	140	153	161	156	164	157	165	163	166	168	170	162	157	165
16	124	133	140	147	156	151	157	160	157	165	163	159	151	156	159	165	165	157
17	144	144	140	142	151	158	162	163	164	163	161	162	165	163	163	168	165	163
18	141	137	137	144	156	164	168	168	167	167	166	167	167	169	169	169	169	169
19	140	139	143	153	167	178	180	175	175	174	173	170	149	153	155	158	161	169
20	139	141	146	155	158	160	168	170	170	167	166	162	156	159	168	171	183	175
21	136	138	142	148	153	157	147	159	167	168	168	168	167	168	168	169	168	168
22	128	128	133	137	150	161	167	170	172	174	172	171	171	170	170	170	177	168
23	143	142	144	150	161	165	160	165	169	168	161	168	158	148	163	181	175	174
24	139	134	138	147	158	166	174	179	170	173	173	171	171	170	170	170	169	174
25	126	123	127	144	151	159	163	167	170	174	170	171	169	170	170	172	172	174
26	135	135	145	147	142	154	166	185	174	169	175	173	169	171	170	177	173	173
27	149	142	138	156	164	171	185	173	174	174	173	173	178	185	199	152	92	71
28	111	110	114	121	141	151	155	159	166	164	162	164	160	149	160	161	147	140
29																		
30																		
31																		
всего по всем дням	132	132	135	141	150	156	159	161	161	160	158	157	154	155	157	157	152	151

						Средн. суточн.
19	20	21	22	23		
168	164	164	167	162	156	160
150	-58	-29	76	64	64	132
112	127	116	117	129	124	113
148	141	144	135	133	141	142
149	151	151	155	151	145	148
157	155	155	155	150	147	152
158	148	146	150	148	141	152
153	155	157	149	145	135	158
164	163	162	158	150	141	157
160	161	159	183	179	145	160
117	64	68	87	108	101	90
148	150	154	148	143	120	139
153	155	155	156	149	144	145
146	155	159	158	149	148	149
159	154	128	143	147	137	152
158	162	163	164	161	150	155
164	165	166	167	162	150	159
165	162	164	165	161	157	161
169	169	173	169	166	150	163
161	167	168	166	159	146	162
168	169	169	166	157	142	160
175	172	173	171	165	155	162
176	174	175	172	162	148	163
167	169	171	166	157	137	163
174	174	172	166	155	143	161
175	168	166	164	158	156	163
111	141	142	130	122	118	151
156	156	156	142	135	126	146
156	148	148	152	147	138	151

Ведомство СВКНИИ
Обсерватория Магадан
Месяц Февраль Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. Z = 52792

Элемент Вертикальная составл.

Z = 52700 + ε_z = 1.37 = Z₀ с 1/II - 28/II = 52771

Время мировое																							Средн суточн		
	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22		23	
1	91	93	93	93	94	93	93	92	91	90	91	90	90	90	91	90	90	89	87	87	89	91	93	95	91
2	98	100	95	95	97	97	94	93	92	92	92	91	90	91	89	72	82	70	-92	-303	-154	-54	-49	8	41
3	56	75	84	95	105	109	116	121	120	120	120	131	138	103	79	104	106	98	35	-2	28	17	41	78	87
4	90	98	103	105	104	103	102	101	99	100	101	101	101	101	102	100	98	94	93	94	96	95	93	91	99
5	91	95	100	101	103	103	102	100	101	102	101	100	102	104	101	99	97	97	97	97	97	98	98	99	99
6	102	103	100	98	101	105	103	101	101	102	104	101	99	98	97	97	96	96	95	94	95	94	96	94	99
7	92	93	94	95	94	97	97	96	97	96	97	98	100	102	100	98	97	95	88	79	82	91	93	92	94
8	93	95	97	97	96	97	98	98	98	98	98	97	97	96	96	95	94	87	83	90	93	94	95	95	95
9	97	101	102	100	98	97	98	97	96	96	95	95	94	95	94	94	94	94	94	94	94	97	97	95	96
10	97	98	100	101	99	98	97	96	95	96	98	103	101	96	96	94	87	85	90	93	94	92	82	78	94
11	72	83	101	101	102	106	109	113	119	130	138	121	62	55	66	39	72	-41	-18	7	39	30	71	95	68
12	99	104	111	114	114	112	111	109	109	109	108	106	105	105	104	104	104	104	104	102	101	103	106	108	106
13	108	106	105	107	109	110	111	109	108	108	106	105	104	104	101	99	102	102	102	101	101	98	97	98	104
14	101	104	102	103	104	104	105	104	103	102	102	104	105	105	102	97	94	97	97	102	102	104	105	101	102
15	97	96	96	97	103	105	106	102	102	103	101	101	101	98	93	94	94	86	71	59	63	80	90	93	93
16	96	97	97	96	97	99	102	103	102	101	99	98	101	103	97	90	83	85	90	93	95	98	102	104	97
17	104	104	102	101	99	98	100	98	97	97	98	97	97	96	96	94	93	91	93	94	96	98	101	102	98
18	103	104	103	100	97	98	98	97	96	95	94	94	93	93	93	93	92	92	92	92	94	97	98	100	96
19	101	99	97	93	90	91	90	90	90	91	92	93	95	96	93	93	92	89	89	91	93	93	93	93	93
20	91	93	94	92	91	92	93	93	93	93	94	94	97	92	92	93	85	78	82	88	91	94	95	95	91
21	97	96	94	92	90	94	97	97	96	95	95	94	94	93	93	90	89	90	90	90	93	95	95	93	93
22	93	93	94	94	93	93	93	93	93	92	92	92	90	90	90	90	86	85	85	87	90	92	92	91	91
23	92	93	92	91	89	91	95	95	93	93	94	93	93	90	92	87	88	90	90	90	91	93	93	93	92
24	92	93	91	91	90	92	93	92	92	92	91	91	92	91	92	91	90	87	87	90	93	97	101	101	92
25	99	98	98	96	95	96	96	94	93	93	93	92	92	93	92	92	92	92	90	91	93	94	94	91	94
26	88	91	90	90	91	93	93	93	93	95	96	95	95	96	95	92	87	89	84	81	86	90	89	87	91
27	84	83	91	92	90	92	93	94	93	93	93	93	93	89	68	40	18	0	46	72	89	96	101	98	79
28	94	99	105	105	104	104	103	103	101	99	98	98	98	100	95	90	86	85	93	97	98	99	95	87	97
29																									
30																									
31																									
Среднее по всем дням	94	96	98	98	98	99	100	99	99	99	99	99	97	95	93	90	84	82	76	70	79	84	88	91	92

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

Обработал Сивцева

Проверил Затравкина

Ведомство СВКНИИ
Обсерватория Магадан
Месяц март Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. Q = -13°02'4

Элемент Угол склонения

Q = -12°00'00" + 6D = 0.469 / мм

$\alpha_{01-9} = -13^{\circ}25'2$
 $\alpha_{010-31} = -13^{\circ}25'4$

Время мировое																		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	62.9	63.4	65.3	66.0	65.3	65.0	63.3	62.1	61.4	61.5	61.4	61.8	61.7	61.2	60.9	60.3	59.5	61.3
2	67.2	66.5	67.0	68.9	68.4	66.1	65.0	63.2	61.6	61.8	61.6	57.1	55.9	58.3	59.9	61.1	61.2	62.2
3	59.9	62.9	64.7	66.2	66.4	65.2	63.6	62.4	61.7	61.6	61.4	61.1	60.7	60.2	60.1	61.1	60.8	60.9
4	59.9	62.7	65.0	66.1	66.2	65.4	63.8	62.2	61.6	61.4	61.2	61.1	60.9	59.9	60.3	60.1	59.9	59.2
5	60.9	62.2	64.1	65.1	65.0	64.2	62.4	61.3	60.9	60.9	60.7	61.2	60.2	60.2	59.9	58.3	57.8	58.9
6	62.0	62.7	65.0	66.2	66.9	65.9	63.6	62.2	61.8	62.2	59.1	60.0	61.1	61.2	60.2	58.9	57.5	60.7
7	61.4	63.2	67.4	68.6	66.9	66.0	64.6	64.0	64.5	61.8	60.8	60.9	60.7	53.9	50.6	56.4	56.6	59.1
8	63.4	64.4	66.5	66.5	67.4	66.4	64.8	63.8	61.8	61.3	61.6	58.6	59.9	60.7	60.9	60.8	60.7	60.8
9	60.5	62.9	66.0	66.9	68.4	66.9	64.6	63.1	63.5	63.4	62.8	60.5	58.9	57.3	57.1	56.9	58.4	59.2
10	57.3	60.9	63.6	66.3	67.3	67.4	65.9	63.2	62.9	63.2	61.6	61.0	60.5	60.3	60.2	60.1	60.3	60.4
11	58.2	59.9	64.3	66.2	66.6	65.8	65.7	65.0	65.8	65.7	64.3	62.0	59.1	57.3	58.5	57.8	60.4	60.2
12	69.7	68.4	71.6	74.4	73.9	71.3	62.0	66.4	70.1	65.7	61.5	63.2	61.6	60.1	58.6	56.9	54.7	61.0
13	60.9	62.8	65.7	66.4	67.0	67.1	66.2	63.8	62.4	62.0	62.0	62.3	61.1	61.5	60.9	60.5	59.7	59.2
14	61.0	63.2	66.4	68.6	68.7	67.4	66.1	64.3	62.7	61.9	61.5	61.3	61.4	60.6	60.1	57.7	57.8	59.2
15	60.5	65.5	68.3	69.2	69.2	68.5	67.0	66.2	62.9	67.8	64.5	61.8	59.4	58.7	56.3	53.8	56.6	59.4
16	62.5	63.8	64.8	67.1	68.3	70.2	67.0	66.6	64.3	66.2	58.9	63.2	61.5	60.3	61.1	58.9	60.0	59.4
17	60.5	68.9	74.1	70.7	72.1	73.7	68.3	63.3	62.4	62.7	63.1	61.1	49.9	58.2	61.1	61.4	59.6	50.7
18	61.0	64.3	68.0	71.0	71.3	68.9	66.9	64.1	66.4	61.1	58.5	60.5	60.6	60.6	60.6	60.1	61.4	61.8
19	61.2	63.4	65.9	67.6	68.3	67.1	65.2	63.6	63.4	62.5	61.1	61.0	60.5	60.2	60.1	59.9	59.6	59.1
20	65.7	67.1	74.8	68.8	70.1	70.5	69.9	65.7	63.4	65.0	62.2	62.8	62.4	61.8	59.7	59.2	54.7	52.2
21	64.0	67.5	71.3	72.4	71.9	68.7	69.0	65.0	62.7	64.2	61.8	60.1	61.5	61.6	61.0	61.3	61.4	60.8
22	57.7	61.0	66.6	69.0	68.5	66.6	66.1	64.7	65.0	64.8	66.4	62.5	61.8	59.6	58.5	58.7	58.2	59.6
23	60.4	62.6	63.9	65.5	66.6	66.0	64.6	62.7	61.5	61.9	61.8	61.4	60.6	60.3	59.3	55.4	55.2	60.4
24	85.3	78.2	82.0	78.2	79.6	79.2	76.6	79.6	74.9	79.6	82.9	65.2	61.6	63.2	66.1	64.8	64.8	64.0
25	61.7	64.8	67.4	69.3	70.2	69.0	67.9	67.1	65.8	65.3	67.5	64.6	63.6	60.1	56.0	60.7	61.6	65.5
26	62.9	65.2	65.5	68.5	70.3	68.7	66.6	64.1	63.0	62.8	60.5	58.7	61.0	62.0	59.6	59.4	61.8	60.3
27	59.8	60.7	64.4	68.4	69.6	69.2	66.6	63.5	62.2	61.0	61.6	61.6	60.8	60.0	60.0	60.4	60.1	60.5
28	58.5	60.8	64.2	66.9	68.2	68.2	66.2	64.3	62.5	61.8	62.0	61.2	61.0	58.9	58.9	58.5	60.2	59.4
29	56.9	59.1	62.4	65.5	66.9	67.1	65.4	64.0	61.3	62.5	62.0	60.5	57.2	58.7	57.5	58.7	59.4	61.0
30	66.3	61.8	64.1	68.3	69.9	68.0	65.7	63.2	60.8	60.3	61.4	61.8	61.0	60.5	60.7	60.2	59.9	62.0
- 31	59.4	62.0	67.1	68.0	67.6	67.4	66.0	63.8	61.5	59.6	58.8	59.1	59.9	58.0	59.8	57.5	60.8	59.8
Среднее по всем дням	62.2	64.0	67.0	68.3	68.8	68.0	66.0	64.5	63.4	63.3	62.5	61.3	60.3	59.9	59.5	59.2	59.4	59.9

19	20	21	22	23	Средн. суточн.	
57.1	58.9	59.7	59.2	58.1	61.3	61.6
61.8	61.2	60.7	59.7	59.0	59.4	62.3
61.1	61.0	60.2	59.1	57.7	58.0	61.6
58.8	58.4	61.7	64.8	64.0	58.1	61.8
59.0	58.9	58.7	57.3	57.1	57.1	60.5
59.0	58.3	60.2	60.7	58.3	58.9	61.4
58.6	57.1	60.3	56.1	58.9	58.3	60.7
61.4	60.7	60.3	59.4	59.7	62.8	62.3
63.2	60.1	61.9	58.7	56.9	55.7	61.4
60.5	60.5	60.5	59.2	57.7	56.8	61.6
61.7	66.9	65.1	69.0	68.9	71.3	63.6
63.8	63.8	62.1	59.1	57.1	57.7	63.9
62.0	60.9	59.4	61.8	61.8	60.1	62.4
62.0	59.6	57.7	61.3	56.4	58.0	61.9
57.1	59.1	58.7	58.7	60.7	61.4	62.1
59.1	58.8	58.9	58.9	57.9	57.8	62.3
54.4	59.6	63.2	64.8	58.6	59.1	62.6
59.4	60.1	59.0	58.9	58.5	62.2	62.7
58.5	57.7	53.5	53.8	60.5	60.4	61.4
50.1	54.2	54.2	55.8	61.2	61.7	62.2
60.1	58.7	57.7	55.9	57.6	57.2	63.1
60.4	60.5	61.5	57.7	57.7	58.0	62.1
60.1	50.6	76.0	82.6	67.0	75.2	63.4
64.3	64.0	63.1	61.6	60.1	60.1	70.8
65.6	64.8	63.6	63.0	64.4	64.8	64.8
61.5	60.3	59.6	58.7	58.5	57.3	62.4
60.9	61.0	59.4	58.3	56.8	57.4	61.8
60.5	60.0	58.4	57.3	55.9	55.4	61.2
60.5	59.9	60.1	56.8	57.8	63.2	61.0
64.1	57.5	56.9	57.3	56.9	56.3	61.9
64.3	57.1	55.9	56.9	57.1	57.2	61.0
60.4	59.7	60.3	60.1	59.3	59.9	62.4

Ведомство СВКНЦУОбсерватория МагаданМесяц март Год 1969Широта 60°04' Долгота 151°01'Среднемесячн. И = 18050^YЭлемент Горизонтальная составляющаяИ = 17900^Y +ε_И = 2.09^Yмм = И₀ = 17971^Y

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	129	124	121	124	136	146	154	161	163	163	163	163	164	166	166	165	175	185
2	118	122	118	120	135	146	156	161	163	161	160	157	165	154	157	161	162	166
3	128	125	127	137	147	159	164	167	168	168	167	168	168	167	168	169	171	169
4	125	120	125	135	146	159	167	170	169	169	168	168	169	170	170	171	173	171
5	144	129	131	141	155	169	180	180	182	180	176	176	157	164	170	174	172	171
6	134	133	136	143	160	170	170	171	172	172	162	158	163	170	170	182	171	160
7	137	132	130	143	160	158	162	169	169	162	168	171	171	155	147	150	158	155
8	124	133	132	143	146	149	158	162	162	157	160	169	168	164	165	166	165	169
9	139	130	128	144	159	163	167	170	163	159	163	164	160	160	146	164	172	166
10	132	129	140	150	161	172	171	167	172	162	168	167	167	169	170	172	172	172
11	135	128	136	147	162	172	175	171	165	165	175	141	134	144	161	147	160	162
12	88	88	86	99	115	129	142	144	147	143	132	138	147	150	145	142	142	135
13	118	108	112	127	138	153	162	161	163	164	164	157	161	162	162	162	162	151
14	142	142	143	149	156	164	165	172	169	171	170	171	169	169	165	165	155	158
15	129	120	123	137	150	159	165	169	150	160	172	144	143	141	130	124	130	147
16	123	123	127	139	156	161	163	165	161	160	140	163	165	168	174	166	167	171
17	109	88	126	143	161	137	141	157	159	164	161	161	135	137	154	159	155	136
18	107	109	120	129	133	157	153	154	154	144	155	159	162	164	166	168	174	171
19	128	122	123	135	147	159	168	164	157	164	171	172	173	173	175	174	173	174
20	107	99	99	123	139	145	167	160	168	173	163	168	161	162	158	159	147	129
21	98	96	96	126	146	147	173	146	163	160	165	162	166	168	170	165	165	164
22	122	103	101	112	143	160	175	174	167	164	157	170	157	155	158	149	151	153
23	132	121	120	130	147	164	173	173	172	168	174	175	175	175	181	173	151	151
24	-7	-24	42	72	90	128	155	141	175	238	263	229	87	77	83	99	103	108
25	84	79	82	89	103	117	137	134	126	125	147	141	143	141	117	121	125	128
26	112	94	92	102	122	136	154	154	157	156	148	142	148	156	154	149	157	158
27	123	113	102	107	124	143	158	164	159	160	158	162	163	165	165	164	163	164
28	129	121	117	123	136	149	161	167	168	168	168	169	169	168	170	168	176	173
29	134	122	120	127	142	160	164	165	161	153	161	167	165	165	167	163	165	173
30	120	116	112	112	120	147	164	168	166	162	166	167	167	166	168	168	167	171
31	125	109	104	123	147	162	171	175	170	172	177	184	183	176	170	175	185	180
Среднее по всем дням	118	111	115	127	141	153	162	163	163	164	166	165	159	159	159	159	160	159

19	20	21	22	23	Средн. суточн.	
153	158	157	155	144	129	153
165	165	167	163	150	137	157
166	163	164	160	150	138	157
176	176	174	182	188	168	163
170	168	167	157	146	137	162
158	158	159	160	156	147	160
162	142	146	149	140	146	153
167	159	161	159	155	148	156
181	165	159	163	153	142	158
172	175	174	172	163	148	163
161	166	189	165	127	97	154
147	141	155	157	140	128	132
155	160	157	154	145	144	150
167	165	157	150	142	133	159
137	145	147	140	129	124	142
170	168	165	160	149	136	156
130	145	135	139	131	116	141
161	162	158	155	142	138	150
178	176	191	172	145	118	159
121	142	136	124	132	116	142
162	161	157	154	147	142	150
154	150	159	161	156	141	150
175	148	84	4	33	20	138
106	111	115	116	112	100	113
129	133	136	133	123	107	121
156	156	156	156	153	137	142
166	167	165	163	155	144	157
166	168	169	170	160	147	158
169	167	166	164	150	118	155
179	169	164	162	161	149	155
165	174	167	159	149	136	160
159	158	157	157	143	130	150

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\wedge$ иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().Обработал ЗащравкинаПроверил Поддельская

Ведомство СВКНИЦ

Обсерватория Магадан

Месяц март Год 1969

Широта 60°07' Долгота 157°01'

Элемент Вертикальная составляющая

$Z = 52700^{\circ}$

$\varepsilon_Z = 1.9 = 1.37 \text{ мм}_0 = 10.31 = 1.35 \text{ мм}$

$Z_{0 \text{ с } 1-31} = 52741$

Среднемесячн. Z = 52796^{\circ}

Время мировое																							Средн. суточн.		
	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22		23	
1	83	83	88	93	97	99	99	100	97	96	96	95	95	94	94	94	88	71	67	79	87	94	97	96	91
2	97	98	97	98	103	101	100	101	98	98	98	97	93	90	92	93	93	93	93	94	95	98	98	96	96
3	96	98	99	100	101	101	99	98	96	94	94	93	93	93	93	93	89	89	90	93	94	98	101	98	96
4	95	95	94	94	97	98	98	97	94	94	93	93	92	91	91	91	90	89	88	86	87	87	82	77	91
5	79	85	90	93	95	94	93	91	90	89	90	93	101	98	95	91	90	91	90	91	92	92	91	89	91
6	92	93	93	94	94	96	96	95	94	94	98	98	98	96	94	84	78	65	63	79	86	86	87	90	90
7	94	97	97	98	95	94	94	96	97	97	98	97	96	95	86	83	78	53	53	56	57	69	80	81	86
8	84	86	88	90	92	93	97	101	98	99	98	97	92	92	92	92	91	88	88	87	88	87	90	88	92
9	86	86	87	90	93	93	93	96	98	100	99	98	98	98	96	83	78	79	79	73	87	91	91	90	90
10	87	87	89	91	94	91	94	94	95	98	96	94	94	92	91	91	90	90	90	90	91	91	90	90	92
11	88	87	86	87	91	91	93	96	98	102	100	105	109	106	96	87	89	87	87	59	37	39	47	66	85
12	80	97	104	107	114	117	133	133	133	134	115	111	105	102	93	86	67	54	54	72	87	94	95	93	99
13	89	89	94	96	97	99	102	100	99	98	98	98	98	98	97	95	94	93	93	93	93	97	91	89	95
14	86	89	91	96	96	95	95	98	97	95	95	95	95	95	96	92	89	88	88	86	91	93	87	85	92
15	83	85	88	90	90	95	101	108	115	118	112	111	112	109	106	99	98	92	92	91	93	95	97	100	99
16	98	98	98	96	96	99	107	115	127	130	129	116	108	105	90	91	94	95	95	95	95	95	94	95	103
17	94	91	98	98	103	106	108	109	106	109	109	105	106	106	105	102	86	69	69	87	90	83	93	96	97
18	98	99	99	95	99	103	111	118	117	114	110	106	102	98	97	95	92	83	83	91	95	94	92	91	99
19	83	84	87	90	92	95	97	102	104	102	99	97	95	94	94	92	92	92	92	92	90	90	88	80	93
20	82	90	98	101	99	100	108	109	106	106	107	103	100	99	99	98	88	65	65	76	82	85	76	72	92
21	76	83	86	95	102	100	106	112	112	107	106	103	101	98	97	95	94	91	91	90	88	90	93	95	96
22	95	94	98	98	103	103	103	107	110	111	117	114	106	104	100	96	93	95	95	93	86	87	87	86	99
23	87	89	91	91	93	94	97	99	100	99	98	98	97	96	95	91	87	54	54	-28	-55	-68	7	41	68
24	71	75	114	155	125	133	153	196	280	439	466	206	183	158	135	122	118	118	118	119	117	113	110	109	164
25	111	115	113	114	115	115	117	126	137	135	126	121	119	117	95	106	106	99	99	94	99	104	102	95	112
26	98	104	110	111	108	107	109	110	110	108	108	110	108	106	99	97	95	95	95	99	102	104	99	96	103
27	94	90	92	95	98	102	104	106	105	103	103	103	103	102	101	101	99	100	100	100	100	100	99	96	100
28	96	95	91	90	90	93	98	101	102	101	100	99	99	98	98	95	93	91	91	97	98	96	91	86	95
29	88	90	90	91	94	98	101	103	104	105	107	103	99	94	91	79	75	83	83	90	95	95	95	97	94
30	101	98	96	99	102	104	106	106	103	102	102	99	98	98	98	95	94	74	74	69	80	86	81	80	94
31	81	85	88	90	90	94	98	99	99	98	97	95	94	91	90	88	82	71	71	67	77	85	91	94	88
Среднее о всем дням	89	91	95	98	94	100	104	107	110	115	115	105	103	100	97	93	90	84	84	83	84	85	88	88	96

Ведомство СВКНИИ
Обсерватория Магадан

Широта $60^{\circ}07'$ Долгота $151^{\circ}01'$

Среднемесячн. $D = -13^{\circ}01'6''$

D_0 с 1 по 15 = $-13^{\circ}25'4''$
с 16 по 30 = $-13^{\circ}25'3''$

Месяц Апрель Год 1969

Элемент Угол склонение

$D = -12^{\circ}00'0'' + = E_{D_0} = \text{с 1-9 } 0.469\%/^{\circ} \text{ с 10-30 } 0.463\%/^{\circ}$

Время мировое																							Средн. суточн.		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	58.9	62.0	65.9	69.4	70.7	69.1	66.9	64.9	63.7	60.3	60.2	62.0	61.4	60.6	60.5	60.8	59.6	58.1	59.2	57.8	60.5	65.2	62.3	62.3	
2	62.5	66.9	68.8	67.9	67.3	66.3	65.3	63.4	62.4	62.2	61.0	62.4	60.1	59.2	59.8	58.2	55.8	51.2	57.4	65.5	62.0	62.3	63.5	61.8	
3	67.5	69.1	69.0	70.0	69.3	68.4	66.0	63.4	61.3	61.6	61.8	62.0	61.8	61.8	61.4	61.0	62.0	57.7	63.4	60.5	58.0	58.8	59.0	63.1	
4	62.4	65.6	67.5	68.0	68.9	69.1	65.1	63.8	59.7	59.2	60.1	59.0	58.2	59.9	62.0	61.2	61.1	60.6	60.6	63.0	60.1	58.5	56.3	55.9	61.9
5	59.9	63.4	65.3	68.2	68.2	69.1	65.2	63.4	63.8	64.1	63.9	61.3	61.7	61.1	61.5	60.1	60.3	58.7	58.2	57.5	57.3	55.4	56.9	61.8	
6	60.1	58.9	60.9	67.5	68.8	67.4	64.8	63.5	61.5	61.3	60.9	60.8	60.5	59.9	58.8	58.0	60.1	57.7	61.5	56.0	54.9	60.1	61.0	61.0	
7	61.7	65.8	67.3	69.6	71.6	72.9	72.3	66.3	64.3	62.7	61.9	60.4	59.1	58.6	59.2	60.4	58.3	62.0	60.8	57.5	55.6	56.6	56.4	62.4	
8	61.1	64.6	66.6	68.3	68.0	66.8	65.2	63.4	61.4	60.9	60.5	61.2	60.5	58.5	59.6	58.9	58.6	58.1	57.9	58.1	56.9	58.1	58.9	61.3	
9	58.2	61.1	64.8	68.6	70.0	70.3	68.1	64.6	64.1	63.7	62.5	60.6	60.1	59.9	58.1	55.7	55.2	58.3	56.4	57.9	59.4	58.7	59.7	61.4	
10	61.8	62.3	63.7	65.0	66.9	66.6	66.0	64.1	64.8	63.1	62.1	62.8	61.6	60.7	59.1	57.9	58.6	56.0	57.3	56.8	57.2	57.9	58.9	61.1	
11	60.2	62.4	64.8	67.9	67.9	66.5	66.2	67.0	67.4	67.3	65.5	62.3	59.7	60.0	60.4	60.5	60.2	58.8	59.0	57.9	56.6	56.3	57.4	62.2	
12	59.1	60.8	63.0	65.0	66.0	65.9	64.8	63.4	61.6	61.8	61.1	60.9	60.9	60.7	59.1	59.1	59.4	58.2	57.9	57.2	55.4	54.8	55.7	60.5	
13	62.4	63.9	67.6	65.5	66.8	66.9	66.4	63.9	63.0	62.5	62.2	59.9	59.3	61.0	61.3	59.5	57.8	50.2	52.5	58.3	63.9	64.5	64.9	61.7	
14	—	65.8	72.0	68.3	69.4	69.0	66.7	64.1	62.2	62.2	62.2	61.7	60.2	61.8	61.2	60.9	59.0	58.6	58.9	57.6	58.6	61.1	60.5	62.6	
15	62.6	65.6	67.1	70.3	70.8	68.9	67.3	65.7	61.0	58.6	61.3	60.9	59.2	61.1	61.4	60.9	60.2	58.8	58.3	56.0	55.6	56.0	56.5	61.8	
16	57.5	59.8	64.3	68.3	71.1	70.7	67.4	63.1	64.9	62.4	62.1	59.1	54.3	59.6	60.8	59.0	60.1	55.7	55.6	57.1	59.2	60.8	61.1	61.3	
17	67.2	68.0	70.1	67.0	68.0	70.2	67.4	65.1	65.7	62.9	57.8	59.9	62.1	61.1	61.9	59.0	55.9	58.5	54.1	55.1	58.5	59.6	60.7	62.1	
18	65.0	68.9	69.4	68.2	68.0	69.4	66.1	65.2	63.6	61.9	61.0	60.1	57.5	61.0	61.5	60.8	60.6	59.2	59.4	58.5	57.5	60.5	62.7	62.8	
19	62.4	64.3	65.2	66.9	68.3	68.4	66.8	64.5	62.4	61.5	61.2	60.9	60.1	59.3	59.8	60.1	59.6	58.6	57.3	56.9	55.9	57.3	59.1	61.5	
20	60.4	62.1	63.1	64.5	66.8	67.1	66.1	63.9	61.9	61.0	60.8	60.3	59.4	59.8	59.8	59.2	58.5	56.9	56.8	55.5	56.3	58.1	59.5	60.6	
21	63.1	64.3	64.7	66.5	67.8	67.2	65.2	63.1	60.6	59.9	59.8	60.6	60.3	60.1	59.8	59.3	58.5	56.5	56.2	54.9	54.9	53.9	57.1	60.5	
22	58.7	60.4	61.7	63.4	65.0	65.5	65.4	63.3	59.9	60.4	59.8	58.4	58.8	60.1	60.1	59.5	59.4	58.7	57.1	57.3	56.4	55.5	57.3	60.1	
23	60.6	62.4	64.9	66.3	66.6	64.7	62.9	61.8	60.8	59.8	59.8	58.4	57.5	59.5	59.6	59.9	58.6	56.7	56.5	55.7	55.4	55.2	56.5	60.0	
24	59.8	61.8	65.9	67.1	67.6	66.8	65.7	63.8	62.1	61.1	60.6	60.3	59.8	59.4	58.9	58.6	58.7	55.7	55.7	54.7	55.7	56.4	56.9	60.5	
25	59.8	66.7	65.3	66.2	68.0	67.9	65.5	63.0	62.5	61.2	60.2	58.9	58.9	59.4	58.9	58.0	57.8	58.0	57.1	56.7	56.7	56.1	58.7	60.8	
26	59.4	60.8	63.4	64.9	65.5	65.4	64.5	63.0	61.9	60.7	60.7	59.8	59.6	59.4	59.8	59.8	58.2	58.0	59.5	57.1	57.5	59.9	57.8	60.6	
27	59.6	62.6	66.9	65.9	67.5	67.0	65.9	64.7	63.5	60.2	59.8	58.8	60.6	59.2	56.1	58.3	58.6	60.6	55.6	55.6	55.4	55.4	55.7	60.5	
28	57.5	58.7	60.3	61.8	64.0	67.1	69.2	80.7	66.9	77.0	64.9	62.9	66.5	77.9	58.8	64.3	61.7	60.3	61.1	61.2	61.6	61.7	61.7	64.5	
29	64.2	64.7	66.8	67.2	67.3	66.8	65.7	63.9	63.1	62.6	62.2	62.1	61.9	61.6	61.1	60.4	56.9	57.0	60.4	57.2	56.4	57.7	65.9	62.1	
30	67.5	65.5	64.3	68.9	71.9	70.1	68.3	66.7	65.3	56.8	61.4	61.7	60.8	55.7	58.9	58.3	59.6	61.1	62.8	58.7	58.7	60.6	58.5	62.6	
31																									
Среднее по всем дням	61.4	63.6	65.7	67.1	68.1	67.9	66.3	64.7	62.9	62.1	61.3	60.7	60.1	60.5	60.0	59.6	59.0	57.8	58.2	57.6	57.6	58.4	59.2	61.6	

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

Обработал Затравкина

Проверил Сивцева

Ведомство СВКНКИ
Обсерватория Магадан
Месяц апрель Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. HL = 18059^г

Но с 1-15 = 17971^г
с 16-30 = 17972^г

Элемент горизонтальная составляющая
HL = 17900^г + с 1-9 = 2.09^г/мм с 10-30 = 2.06^г/мм

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	127	122	127	135	151	175	187	182	179	182	181	171	165	168	171	168	172
2	127	122	126	140	153	162	171	170	168	169	173	171	172	165	169	174	176
3	76	104	118	111	123	143	158	162	167	167	164	166	164	161	161	159	155
4	114	99	107	125	135	154	161	170	159	155	159	165	156	159	164	166	160
5	109	112	124	138	144	170	163	167	166	165	152	164	166	170	169	166	167
6	125	127	133	142	160	164	181	175	170	172	171	172	172	176	173	169	172
7	110	105	114	118	143	154	160	159	160	163	164	163	155	152	149	162	159
8	117	119	125	144	157	171	179	173	174	172	169	171	176	171	169	167	164
9	126	118	123	144	171	184	171	173	176	165	155	153	156	147	147	139	121
10	130	130	139	154	170	184	181	173	171	164	165	162	166	172	170	164	172
11	135	134	147	154	163	169	189	181	178	171	165	158	156	168	168	163	163
12	134	126	127	136	150	163	169	176	175	172	173	174	178	179	176	176	175
13	123	134	151	154	156	164	175	172	184	195	194	183	194	187	166	155	154
14	100	80	111	140	152	165	168	174	176	174	174	181	173	169	166	169	161
15	126	116	118	122	138	155	175	185	165	184	187	174	157	163	163	162	165
16	127	116	119	130	154	173	184	177	175	178	176	175	163	169	175	168	160
17	108	114	125	139	155	179	167	186	166	165	168	166	164	151	157	153	135
18	109	91	101	132	146	164	167	174	176	172	169	173	173	169	168	168	165
19	134	131	129	137	153	168	178	180	177	175	173	174	178	176	169	170	167
20	119	118	119	131	150	174	178	179	178	179	179	182	185	181	181	180	176
21	138	128	129	139	154	169	182	175	176	173	176	175	179	182	182	179	179
22	133	139	148	160	178	202	215	165	177	177	182	181	175	184	186	186	182
23	139	139	143	154	169	180	181	181	185	186	182	182	183	177	178	180	184
24	145	137	135	146	169	178	182	188	189	188	188	190	189	190	186	185	188
25	125	136	146	154	167	179	184	188	189	189	184	181	181	181	177	175	174
26	142	136	134	146	159	173	182	186	183	183	179	181	183	179	182	185	180
27	147	130	135	155	172	178	182	185	180	181	167	172	185	185	179	177	179
28	156	155	158	172	193	200	189	267	184	188	154	156	153	101	116	139	146
29	127	128	133	140	150	156	159	170	168	163	167	166	169	170	164	159	145
30	124	121	120	113	131	167	155	172	182	159	159	156	165	157	143	142	146
31																	
Среднее по всем дням	126	122	129	140	156	171	176	179	175	174	172	171	171	169	167	167	165

19	20	21	22	23	Средн. суточн.
149	151	163	145	123	158
136	142	142	156	137	153
147	141	156	146	127	144
154	151	159	157	147	149
160	156	154	156	156	155
160	160	166	157	144	161
153	145	156	148	145	147
164	162	160	151	152	159
150	156	143	155	146	150
151	156	152	145	145	159
163	160	163	163	156	162
165	170	170	160	172	163
126	125	110	117	117	154
160	155	149	147	148	156
156	159	158	153	148	155
149	146	135	139	151	155
150	144	149	136	127	148
159	157	155	153	145	154
166	161	165	159	157	162
174	178	172	171	163	166
180	180	175	165	150	166
183	182	178	170	157	174
183	179	174	172	168	172
180	179	177	174	164	174
174	168	164	160	153	169
178	178	175	174	166	171
188	183	178	177	176	173
142	141	137	131	131	157
142	148	148	139	122	150
140	135	142	131	127	144
159	158	158	154	147	159

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

Обработал Сивцева Проверил Годделевская

Ведомство СВКНИИОбсерватория МагаданШирота 60°07' Долгота 151°01'Элемент Вертикальная составл.Среднемес. Z = 52791° Z_0 с 1 по 17/IV = 52771°
с 18 по 30/IV = 52770°Месяц Апрель Год 1969Z = 52700° + $E_z = c1 - 9 \cdot 1.35^\circ = c10 - 30 \cdot 1.34^\circ$

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	95	92	87	86	91	95	99	98	98	100	99	102	107	103	99	96	94	64
2	75	83	87	87	88	90	91	94	95	95	95	98	96	97	95	87	72	53
3	78	87	95	94	98	100	102	102	102	101	99	98	99	99	98	97	92	85
4	91	92	94	96	101	102	102	104	107	108	107	99	94	94	95	95	94	95
5	91	91	90	90	94	98	103	112	110	110	111	107	103	99	97	95	94	88
6	92	91	91	91	94	95	98	101	102	99	97	96	95	95	94	94	91	87
7	82	87	90	88	95	103	115	118	112	108	104	102	103	103	98	92	86	80
8	87	85	79	79	82	84	90	94	97	97	97	97	96	96	95	94	94	94
9	86	87	86	86	89	91	92	95	100	106	112	113	107	104	101	90	88	86
10	92	95	93	91	88	88	92	98	102	104	103	104	102	99	98	93	93	83
11	91	93	93	91	89	91	98	103	111	115	118	117	112	106	101	99	99	
12	97	98	91	84	86	90	92	93	95	95	93	93	95	95	94	93	93	93
13	96	91	92	87	87	92	104	113	110	108	108	111	106	99	98	93	77	63
14	-	79	88	91	91	95	95	98	99	99	98	99	102	99	98	97	95	93
15	87	92	89	92	97	102	105	111	116	118	114	110	111	106	102	98	95	92
16	87	89	91	88	91	94	102	109	108	106	107	107	98	96	96	90	88	82
17	85	87	91	91	88	96	104	114	118	118	114	107	107	103	87	72	71	79
18	90	92	92	94	97	99	107	113	110	105	103	101	97	95	94	94	94	94
19	93	94	91	91	90	91	94	98	98	97	97	95	94	94	94	94	94	94
20	87	89	88	86	83	88	94	98	99	98	97	95	94	94	94	93	92	91
21	79	87	90	86	86	91	95	96	98	97	94	93	92	91	91	90	90	90
22	80	80	77	74	73	75	81	83	88	89	90	90	93	90	88	87	86	87
23	90	91	90	86	84	89	90	91	92	91	90	89	89	90	90	88	88	88
24	77	78	79	77	78	84	89	88	91	90	89	87	87	87	86	86	86	86
25	74	77	74	75	78	82	89	92	90	90	89	89	89	89	87	83	85	86
26	75	74	75	75	77	80	84	86	86	87	87	87	87	87	87	87	86	86
27	73	75	79	78	79	84	89	94	94	94	94	94	91	90	87	86	87	87
28	72	72	72	69	76	77	97	167	213	170	206	142	125	23	97	108	101	99
29	90	88	86	84	86	90	95	98	95	95	97	95	95	96	95	96	91	90
30	78	78	74	75	87	105	116	109	111	117	111	107	102	93	96	65	95	86
31																		
Среднее по всем дням	85	86	86	85	87	91	97	102	105	104	104	101	99	94	95	91	90	86

19	20	21	22	23	Средн. суточн.	
54	27	20	44	59	68	82
57	73	66	58	63	68	82
80	76	76	83	88	90	92
94	90	82	83	86	90	96
87	91	91	90	89	91	97
82	79	71	76	80	80	91
66	58	72	83	86	87	92
93	92	92	87	85	86	91
83	74	80	84	89	88	92
82	84	84	83	83	87	93
99	99	97	96	96	97	101
93	91	91	91	87	87	92
57	36	31	24	39	59	83
90	87	82	79	80	83	92
91	88	88	88	87	85	98
84	86	86	80	79	79	93
71	64	76	76	81	87	91
94	94	91	91	92	92	97
94	92	90	90	89	87	93
90	83	78	73	71	73	89
90	90	89	88	85	81	90
89	87	85	86	87	87	85
88	87	83	81	78	74	87
86	84	82	78	74	74	83
87	87	88	86	78	76	84
86	79	82	70	74	70	82
86	79	78	75	75	74	84
100	102	102	102	98	94	108
91	79	71	71	70	75	88
83	74	73	78	79	79	91
84	80	79	79	80	82	91

х) Солнечные экстремальные сверения.

Обработал СивцеваПроверил Савангеева

Ведомство С.В.Ж.И.И.Обсерватория МагаданШирота 60°04'Долгота 151°01'Среднемесячн. D = -13°01' 4"Элемент Угол склоненияМесяц май Год 1969D = -12°00'00" + $\epsilon_{\text{ср}} = 1-8 = 0.463' / \text{млн лет}$ $\epsilon_{9-31} = 0.467' / \text{млн лет}$ $D_0 = -13^{\circ}25'3"$

Время мировое																							Средн. суточн.		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	61.0	64.2	66.7	69.0	69.6	68.8	66.3	62.6	60.1	60.5	61.2	61.6	61.5	61.2	61.9	62.4	60.1	59.3	58.6	57.1	57.7	57.0	58.3	61.8	
2	61.9	63.9	67.9	69.8	70.3	68.2	64.9	63.3	61.5	58.4	61.4	61.5	59.8	56.1	56.9	59.7	57.1	57.0	56.6	58.2	57.2	59.1	58.8	59.7	61.2
3	61.8	64.4	67.0	69.7	70.9	70.5	67.7	61.6	60.5	63.2	61.2	61.9	60.5	60.0	58.5	62.0	60.0	58.6	54.5	56.3	56.8	59.4	57.8	59.7	61.9
4	59.8	61.8	64.0	67.0	69.3	67.4	65.1	63.1	61.8	60.9	60.6	60.9	60.9	61.0	61.0	58.5	58.6	58.2	57.7	56.1	54.6	54.1	54.5	55.0	60.5
5	60.0	63.5	64.7	66.6	67.6	66.9	65.2	63.2	61.7	61.9	60.8	59.1	57.8	56.8	59.6	60.3	59.6	58.7	57.2	56.4	57.7	54.8	55.2	58.6	60.6
6	61.8	62.6	64.0	66.2	68.0	66.7	66.2	65.5	63.1	61.5	60.8	60.1	60.9	60.6	60.5	61.0	60.6	60.0	59.6	57.4	56.4	55.9	56.8	56.8	61.4
7	60.1	64.6	67.5	69.6	70.0	68.2	67.0	65.9	61.1	60.9	61.5	60.7	60.6	60.5	60.1	59.4	58.9	58.3	57.4	56.8	55.8	55.0	54.6	54.9	61.2
8	57.2	60.0	58.9	66.7	68.1	67.9	67.2	66.1	63.4	61.7	60.2	59.4	59.2	58.3	57.8	57.0	57.2	58.2	56.8	56.0	56.1	56.5	55.7	59.1	60.2
9	59.3	59.8	61.7	65.0	67.2	67.2	66.3	63.2	61.6	61.4	61.5	60.2	59.3	58.8	59.4	59.3	58.4	57.9	56.5	57.3	56.3	54.8	58.9	57.7	60.4
10	58.9	62.6	62.9	67.0	69.1	68.3	66.8	63.9	62.1	62.6	60.1	56.0	58.7	58.7	57.9	58.7	59.5	60.7	56.8	55.9	56.0	56.0	56.3	57.1	60.5
11	58.5	61.1	64.1	66.6	66.6	65.7	64.1	62.2	61.5	58.8	59.2	59.7	60.1	60.1	57.7	59.5	58.9	57.3	56.3	57.3	57.3	56.4	56.3	58.1	60.2
12	62.2	63.4	66.8	68.2	68.0	66.6	64.4	62.0	59.8	60.2	61.2	61.7	61.2	59.9	59.6	59.4	58.9	58.5	54.5	54.5	52.6	54.9	57.7	61.0	60.7
13	64.7	68.9	74.6	71.7	71.8	68.6	68.9	67.8	63.1	64.1	63.3	61.3	56.3	63.8	61.3	59.9	64.5	62.2	57.9	52.2	56.1	57.3	59.9	64.7	63.2
14	67.5	70.5	72.2	71.4	70.0	67.8	67.1	64.3	61.9	58.2	59.4	61.3	61.6	62.1	59.4	58.2	58.1	57.7	55.9	58.9	59.6	58.9	58.9	67.5	62.8
15	79.5	67.5	68.6	82.8	80.5	79.5	76.5	74.6	66.6	60.3	54.9	59.9	80.0	66.1	72.0	53.3	53.8	63.6	55.3	61.9	65.9	69.9	72.7	70.6	68.0
16	62.8	66.6	70.4	69.8	70.8	72.6	71.3	61.5	65.7	61.1	57.9	60.9	64.3	64.5	64.7	64.9	64.1	63.3	61.7	59.6	57.1	56.1	56.9	59.6	63.7
17	64.3	67.8	71.4	72.8	72.2	70.7	67.1	65.2	65.4	62.9	62.2	64.1	61.7	62.0	64.0	62.9	60.8	59.6	57.3	54.9	53.1	51.9	56.2	59.5	62.9
18	61.7	69.6	69.4	69.7	71.3	69.7	66.9	65.9	64.1	62.2	61.7	62.0	62.8	62.6	61.5	60.1	58.3	53.4	53.5	56.1	57.3	55.7	55.9	58.6	62.1
19	61.9	65.3	68.0	69.7	69.4	68.3	66.2	63.8	62.2	61.6	59.9	60.1	58.5	60.1	58.7	60.1	59.5	58.0	56.8	57.3	57.2	57.0	57.3	57.8	61.4
20	60.9	64.5	66.9	69.4	70.8	70.0	66.6	62.9	61.0	61.5	60.4	60.1	60.3	60.3	60.9	60.1	58.9	58.2	56.7	54.5	54.7	55.4	58.9	61.4	61.5
21	65.2	66.0	68.0	69.5	70.6	68.8	68.1	64.4	62.7	58.8	57.1	56.3	60.3	59.6	58.0	61.7	61.0	60.1	58.5	58.2	58.2	58.2	58.0	60.1	62.0
22	62.9	65.6	68.6	70.6	70.1	68.8	65.3	63.3	60.6	58.4	57.5	58.8	59.5	60.8	59.5	61.9	60.5	58.0	57.5	55.3	56.5	57.1	57.3	57.1	61.3
23	58.0	60.2	63.3	66.3	66.8	66.7	64.6	62.5	60.3	58.5	58.5	59.5	58.9	63.3	58.6	60.1	59.6	58.4	56.8	56.6	55.9	56.8	56.6	58.3	60.2
24	61.0	64.7	66.0	67.4	68.8	69.9	67.4	65.2	62.2	61.4	60.3	59.9	59.9	58.0	59.9	58.7	57.8	56.8	55.4	55.1	55.3	56.1	56.6	59.6	61.0
25	63.1	66.1	65.8	67.2	66.9	66.0	64.3	62.4	61.1	60.4	59.6	60.0	60.0	60.1	60.2	60.0	59.6	59.1	56.7	55.6	54.5	56.8	59.4	60.5	61.1
26	62.2	63.4	64.5	65.9	66.5	65.5	64.3	62.4	61.2	60.5	59.9	59.3	60.4	60.6	60.5	60.5	59.6	58.1	57.2	55.8	54.2	55.3	56.2	57.8	60.5
27	60.3	63.6	65.3	66.1	66.5	68.0	64.7	63.3	61.7	60.5	60.3	60.1	60.8	59.5	59.4	59.0	57.5	57.1	56.9	56.6	54.9	54.5	52.9	55.7	60.1
28	59.1	62.8	65.7	66.9	67.1	65.8	64.5	63.1	62.7	61.5	61.5	61.9	60.8	60.8	60.8	59.9	57.5	57.1	56.3	56.6	55.9	56.2	57.7	60.5	60.9
29	61.2	63.7	66.5	68.0	68.3	66.3	64.3	62.1	59.9	59.4	60.5	59.4	60.6	60.3	59.4	58.7	57.7	56.3	55.9	53.9	53.3	53.1	54.0	57.0	60.0
30	61.9	64.2	65.0	65.5	66.1	65.3	63.9	61.0	60.1	60.5	59.9	59.1	58.3	60.5	60.1	59.6	59.6	55.2	54.5	53.3	53.9	55.3	56.6	59.4	60.0
31	60.1	64.1	67.1	68.5	68.5	60.7	66.4	64.7	63.3	61.9	60.8	59.4	58.1	60.3	61.0	60.5	59.0	57.4	57.2	57.3	56.8	57.1	57.1	59.1	61.4
Среднее по всем дням	62.0	64.4	66.5	68.7	69.3	68.2	66.4	64.0	62.1	60.8	60.2	60.2	60.8	60.6	60.4	59.9	59.2	58.5	56.6	56.4	56.3	56.5	57.4	59.4	61.4

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\wedge$ иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().Обработал СаваньеваПроверил Бодельская

Ведомство С.В.Ф.М.И.И.

Обсерватория Магадан

Месяц май Год 1969

Широта 60°04' Долгота 151°01'

Среднемесячн. М = 18060°

Элемент горизонтальная составля.

Н = 17900 + СН = 2.05/мм = Н₀ = 17972/мм

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	113	112	121	134	149	159	164	172	173	165	167	170	171	167	166	166	160	157
2	124	119	123	137	159	165	175	186	186	168	170	171	177	192	178	162	161	164
3	115	114	122	139	158	153	165	174	183	170	170	165	175	170	165	168	171	171
4	131	130	139	160	165	183	180	182	181	181	173	177	180	179	179	172	171	162
5	107	118	137	154	162	182	192	190	184	180	181	184	182	167	161	170	168	169
6	132	128	135	144	157	181	183	181	180	180	181	180	186	178	173	175	171	170
7	136	141	140	149	163	175	196	184	180	181	177	178	180	179	178	178	174	175
8	141	133	135	141	153	171	175	178	187	185	184	185	188	194	196	188	191	194
9	145	142	147	151	159	168	174	186	196	171	174	182	184	180	181	179	179	181
10	164	154	152	152	162	164	171	190	190	188	189	188	193	190	182	183	180	183
11	146	145	145	154	168	177	184	183	180	177	185	185	187	190	191	188	185	183
12	136	128	120	151	165	181	188	188	192	185	186	190	193	192	191	192	193	196
13	161	139	147	163	167	181	186	191	158	174	165	153	154	157	151	145	127	125
14	70	75	104	123	151	153	155	156	166	160	172	170	172	178	178	171	151	153
15	86	98	35	23	104	151	162	184	183	169	174	162	135	61	82	68	60	17
16	61	59	82	96	109	132	144	166	146	171	160	159	154	158	167	164	164	160
17	114	115	118	129	145	154	160	164	170	164	166	177	163	165	161	160	155	146
18	89	95	101	120	130	153	180	166	179	175	161	153	162	166	172	175	169	177
19	116	119	128	141	150	165	180	184	184	183	182	170	177	170	166	168	174	168
20	123	122	123	131	155	172	181	190	184	179	180	181	179	181	189	185	186	194
21	140	143	141	146	158	173	175	177	175	185	171	156	166	175	175	169	169	166
22	133	136	131	138	164	170	186	181	182	176	179	164	165	170	169	162	175	173
23	138	136	145	151	161	164	175	170	173	178	172	172	187	178	173	174	171	165
24	124	126	141	157	178	177	164	175	182	178	184	181	182	192	178	169	172	166
25	114	123	130	140	157	171	172	179	182	183	182	183	184	182	180	177	176	174
26	137	131	134	141	152	171	181	190	190	189	182	184	188	189	190	188	184	182
27	143	150	159	167	171	178	185	192	193	190	188	187	185	185	179	180	184	182
28	142	144	157	169	175	194	193	194	189	190	189	171	174	173	175	175	175	171
29	128	127	139	155	171	184	189	189	193	189	184	196	179	182	185	188	178	173
30	137	148	159	171	183	177	174	195	190	173	182	190	172	174	185	191	164	159
31	144	144	148	159	166	169	180	191	178	171	186	189	174	177	173	175	166	162
Среднее по всем дням	125	126	130	142	157	169	176	182	181	178	177	176	176	174	173	171	166	165

19	20	21	22	23	Средн. суточн.
162	155	152	146	139	153
174	165	152	131	125	158
163	160	155	145	134	156
164	159	163	154	140	164
167	162	162	160	153	163
161	157	159	151	149	164
173	175	173	172	165	170
188	183	180	171	155	173
175	173	171	156	165	171
173	173	167	162	159	173
179	175	170	164	160	173
191	194	190	183	162	177
130	127	110	115	97	146
155	161	161	135	50	141
63	87	91	86	76	100
156	155	147	142	134	138
144	141	139	129	118	146
162	149	152	147	139	150
162	151	146	138	127	157
189	170	162	157	151	167
159	160	148	150	145	161
169	166	165	163	155	163
166	163	159	153	143	163
167	162	156	149	136	163
168	163	153	149	148	163
178	175	168	157	148	170
182	180	177	166	160	176
168	168	161	153	144	170
170	166	158	156	136	168
162	156	151	144	139	167
164	162	152	156	154	166
164	161	156	150	139	160

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

Обработал Падельская

Проверил Сивцова

Ведомство Г. В. Х. М. Ч. И.
Обсерватория Магадан
Месяц май Год 1969

Широта 60°04 Долгота 154°01

Среднемесячн. 20 = 52788

Элемент Вертикальная составля.

2 = 52700 + 62 = 1.34/мм 20 с 1 по 9 = 52770
с 10 по 31 = 52772.5

Время мировое		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни																			
1		79	82	87	93	98	101	100	102	107	106	102	98	95	92	93	91	90	93
2		85	87	87	87	92	96	97	99	101	105	102	97	94	91	82	82	76	85
3		86	85	82	82	87	100	109	109	113	109	108	106	97	88	83	71	71	73
4		79	77	78	75	77	82	87	91	96	97	96	95	94	92	87	84	84	85
5		78	78	79	80	82	86	90	94	93	94	91	91	90	87	90	91	91	91
6		76	80	78	78	80	86	96	100	96	95	94	91	91	87	89	89	90	89
7		76	78	79	79	80	86	90	97	101	102	98	94	93	91	90	90	90	90
8		82	74	72	74	79	85	87	89	90	90	90	88	88	87	87	86	87	88
9		72	74	75	74	79	87	88	94	102	102	98	94	91	90	89	88	87	88
10		61	68	72	75	81	87	87	92	99	96	96	96	90	88	85	85	86	85
11		76	80	81	80	78	84	89	93	95	96	93	91	90	89	88	88	88	88
12		76	77	96	93	84	80	74	75	73	74	74	73	72	84	85	85	86	88
13		71	67	75	79	80	92	104	128	138	123	128	115	103	92	93	76	58	33
14		71	80	94	100	103	115	117	114	112	111	111	107	103	99	93	83	78	87
15		29	45	52	00	117	143	160	183	185	184	168	135	63	32	46	15	-42	-58
16		59	77	95	112	128	138	155	158	120	128	133	119	101	100	100	100	99	99
17		80	87	92	94	102	107	114	120	124	125	120	110	107	106	103	99	97	99
18		79	84	90	87	93	103	118	120	120	128	131	122	110	103	100	96	97	94
19		80	84	88	91	92	99	106	106	101	99	99	100	102	101	93	95	96	96
20		84	83	85	91	93	100	105	103	107	101	99	97	96	95	93	93	93	94
21		76	78	80	85	92	100	107	111	112	112	115	116	109	100	89	92	96	97
22		67	73	77	84	96	101	104	103	102	100	104	110	104	99	89	85	92	95
23		82	84	87	88	89	92	97	100	108	108	108	105	99	87	88	90	92	91
24		71	71	71	75	85	93	99	97	99	97	96	95	94	90	84	85	89	91
25		80	88	90	89	92	96	99	100	98	95	95	93	92	92	91	91	91	90
26		71	73	75	80	88	93	94	94	92	91	90	91	90	89	89	89	89	89
27		80	80	78	74	76	80	85	90	89	89	89	89	89	88	87	88	88	88
28		70	70	71	72	73	81	88	99	101	103	104	100	95	92	90	91	84	85
29		68	70	75	80	86	89	94	96	96	96	93	89	88	89	89	88	86	89
30		74	71	69	72	76	84	88	93	99	99	96	94	96	94	92	89	78	81
31		67	67	71	75	81	92	94	99	103	100	95	93	93	92	89	82	84	85
Среднее по всем дням		74	77	80	83	88	95	101	105	106	105	104	100	94	91	89	86	83	83

19	20	21	22	23	Средн. суточн.	
91	84	87	87	86	84	93
71	68	70	77	84	88	88
73	78	80	83	82	83	89
79	75	74	74	78	79	84
89	87	85	79	75	74	86
88	82	79	77	78	77	86
91	91	90	86	84	85	89
87	84	82	80	78	76	84
87	87	83	78	70	60	85
84	86	84	82	79	76	84
87	85	85	85	76	71	86
86	81	75	75	75	73	80
59	63	53	54	59	66	84
87	80	25	9	8	17	84
-32	-42	-55	-29	1	32	59
99	95	92	88	86	83	107
98	95	94	92	88	79	101
92	88	89	87	83	81	100
98	96	92	87	86	85	95
93	91	86	78	79	76	92
95	96	92	81	71	67	95
96	94	93	92	88	84	93
93	91	85	79	73	72	91
92	90	85	82	83	80	87
90	89	85	79	75	73	90
88	84	80	74	71	74	85
89	89	85	79	72	73	84
85	85	88	84	82	76	86
89	87	80	75	72	74	85
86	84	83	83	80	73	85
85	84	80	73	67	64	84
84	82	77	75	73	73	88

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

Обработал Сивцева

Проверил Затравкина

Ведомство Б.В.Ж.Н.И.И
Обсерватория Магадан
Месяц Июнь Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. $\alpha = -13^{\circ}00'09''$

Элемент Угол склонения

$\alpha_0 = -13^{\circ}25'$

$\delta = -12^{\circ}00'00''$ +

$\epsilon_0 = \epsilon_1 - 10 = 0.463'_{\text{ср.м.}}$ $\epsilon_{11-30} = 0.462'_{\text{ср.м.}}$

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	62.2	65.6	67.0	68.7	68.9	68.0	65.0	61.8	60.4	60.1	59.8	60.1	59.8	60.6	60.8	60.6	59.6	68.9
2	62.0	63.6	64.5	67.5	68.9	68.0	66.8	61.9	61.3	61.3	60.8	60.1	61.0	61.7	61.1	60.5	59.0	57.4
3	61.3	63.8	65.9	67.0	67.0	65.5	64.2	61.9	61.0	59.8	59.5	59.9	60.4	60.6	60.4	58.7	57.2	58.1
4	60.5	63.3	65.7	67.8	68.4	67.8	66.8	64.3	63.0	62.2	60.8	60.6	61.2	60.6	60.4	60.8	59.6	57.3
5	63.5	63.8	65.9	66.9	66.2	66.8	65.6	63.3	61.7	60.8	59.2	59.2	60.4	61.0	60.4	59.6	58.5	56.9
6	59.0	63.4	65.2	67.8	68.2	67.5	66.4	64.1	61.7	60.6	59.6	59.6	60.1	60.5	59.6	59.2	57.8	54.5
7	60.8	63.3	65.9	68.0	69.6	70.1	68.9	65.2	61.6	59.2	58.0	60.8	56.9	58.5	61.0	59.4	57.3	65.2
8	61.5	63.1	67.5	69.4	68.9	68.0	67.9	64.3	62.2	60.2	61.5	60.1	61.0	60.1	59.9	58.7	58.3	55.2
9	62.4	66.6	68.4	68.4	68.9	67.6	65.0	62.6	60.6	59.6	59.6	60.4	59.0	60.4	60.2	57.3	54.1	52.5
10	65.0	66.4	69.5	70.2	69.1	68.6	68.0	64.7	61.7	59.9	60.1	61.0	60.1	60.2	61.1	60.7	59.6	57.4
11	64.1	67.3	68.9	68.5	67.6	66.9	63.7	61.5	58.8	59.5	61.5	62.0	62.3	61.5	61.3	60.1	58.3	56.3
12	59.6	63.7	66.2	70.6	74.3	71.9	67.8	67.1	61.8	60.9	61.6	58.9	61.8	62.7	62.5	61.2	61.2	58.1
13	62.0	64.6	68.4	71.1	71.0	68.5	68.9	66.1	62.6	61.3	61.1	61.5	58.5	59.9	60.3	59.4	57.4	53.9
14	64.4	66.5	69.4	70.6	69.4	69.7	70.3	70.3	65.2	62.0	61.4	61.4	59.9	56.7	60.9	63.2	57.9	57.4
15	62.9	65.9	67.8	68.9	68.9	67.1	65.4	63.7	62.3	60.9	58.4	57.6	58.8	60.6	60.0	61.5	60.9	60.4
16	62.4	62.4	66.6	67.4	66.9	65.8	64.8	61.8	59.9	60.6	62.1	60.6	62.3	62.9	60.7	61.5	61.2	57.2
17	65.5	65.6	68.0	68.2	68.5	68.5	64.8	64.3	62.6	60.6	59.5	60.4	62.0	61.8	61.5	60.9	59.7	58.9
18	62.7	65.5	67.0	68.5	69.7	68.9	66.4	63.1	61.0	59.4	59.7	59.7	60.1	60.6	60.6	60.1	60.1	58.6
19	60.9	63.9	66.0	65.8	66.8	66.4	64.8	62.3	61.0	59.7	62.3	60.7	60.6	60.1	59.7	59.7	58.8	57.2
20	58.8	58.8	65.0	66.3	67.9	67.2	66.9	63.1	59.7	58.6	60.6	60.5	60.3	62.7	62.3	62.0	61.3	59.9
21	61.7	63.9	65.2	65.6	65.4	64.3	63.4	62.2	61.1	59.7	59.7	60.7	60.9	59.0	60.9	60.9	59.2	68.3
22	62.3	64.3	67.1	67.6	67.1	66.0	64.2	62.7	61.9	61.1	60.7	61.2	61.2	60.8	60.4	59.7	58.1	57.3
23	58.6	58.8	60.6	62.7	64.4	65.2	64.3	62.8	62.0	60.1	59.4	60.8	60.9	60.9	59.4	59.9	58.8	56.7
24	61.3	64.7	66.7	68.3	67.5	66.9	65.4	64.6	63.9	62.6	61.4	60.8	60.6	60.9	61.1	58.6	57.7	53.9
25	61.3	62.9	66.4	68.3	68.2	66.9	64.8	64.2	62.4	61.3	61.3	61.5	61.0	58.5	59.2	59.5	56.5	54.9
26	59.9	66.2	67.2	67.0	67.3	66.2	63.7	62.0	60.2	60.7	61.3	59.7	58.6	59.7	57.2	56.0	56.9	57.2
27	60.4	63.0	66.1	67.4	66.6	64.8	63.9	62.0	60.9	59.7	59.2	60.1	60.1	60.9	60.9	59.5	57.9	57.4
28	62.3	65.7	67.1	67.1	66.0	64.8	63.9	62.0	60.9	60.6	59.7	59.9	60.1	60.6	60.5	59.1	58.4	56.7
29	64.8	67.5	68.5	67.1	67.5	65.5	64.6	63.2	61.5	60.1	60.4	60.0	61.1	61.1	60.4	59.2	57.4	55.9
30	63.2	64.3	65.0	66.5	66.7	65.4	63.9	62.1	60.9	60.3	59.8	59.7	60.4	59.9	60.2	58.9	57.3	55.1
31																		
Среднее по всем дням	61.9	64.2	66.6	67.8	68.1	67.2	65.7	63.5	61.5	60.5	60.3	60.3	60.4	60.5	60.5	59.9	58.6	56.9

19	20	21	22	23	Средн. суточн.	
58.6	58.1	56.9	57.1	57.8	59.2	61.5
56.9	52.9	53.6	55.3	57.1	57.8	60.9
54.3	53.6	53.2	53.8	55.5	59.4	60.1
55.7	54.3	55.0	56.6	59.2	62.2	61.4
54.5	53.7	53.8	55.0	55.5	56.2	60.4
53.6	52.4	51.8	54.5	56.9	58.5	60.1
54.1	55.0	56.2	56.6	57.1	58.2	60.7
52.0	55.0	54.1	56.1	60.6	61.7	61.2
53.8	55.4	57.1	57.3	57.1	61.0	60.6
55.7	53.6	52.7	53.4	55.7	58.7	61.4
55.1	53.6	53.0	54.6	55.1	59.5	60.9
57.2	54.3	53.2	53.7	57.2	59.2	61.9
52.4	53.6	57.4	56.0	61.5	60.1	61.3
58.1	58.1	57.8	57.8	58.7	60.9	62.8
60.1	56.3	53.5	53.9	57.4	59.9	61.4
56.3	54.5	54.2	55.3	57.6	63.0	61.2
60.4	54.1	54.1	56.5	58.8	59.2	61.9
53.9	53.0	54.4	55.3	55.5	57.7	60.9
55.6	55.1	55.0	55.0	57.4	58.8	60.5
58.6	58.0	56.3	54.6	55.6	59.5	61.0
57.4	55.3	56.0	56.1	57.8	59.9	60.6
56.4	56.1	55.6	55.7	56.1	57.5	60.9
56.3	55.9	55.5	54.6	57.2	57.6	59.8
53.5	53.1	54.3	53.7	56.0	59.7	60.7
57.8	53.7	54.1	53.5	54.1	56.9	60.1
56.5	55.8	54.1	54.6	56.5	57.4	60.1
55.8	54.8	54.8	55.2	57.6	60.0	60.4
55.3	54.4	55.3	55.8	57.4	60.1	60.6
53.7	53.2	53.6	54.4	56.9	59.5	60.7
53.0	52.6	50.7	52.8	56.5	59.0	59.8
55.6	54.7	54.4	55.2	57.1	59.3	60.9

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

Обработал Сибирева

Проверил Затравкина

Ведомство СВКНИИ
Обсерватория Магадан
Месяц июнь Год 1969

Широта 60°04' Долгота 157°01'

Среднемесячн. Н = 18069°

Элемент Горизонтальная составляющая
Н = 17900° + ЕН = 2.05 мм. = Но 17972

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	145	144	153	160	163	169	169	180	182	178	178	179	181	176	173	171	167
2	134	128	140	152	159	167	179	184	186	178	180	185	178	175	177	173	167
3	132	139	152	163	183	182	188	183	182	184	186	184	184	184	180	166	168
4	147	146	143	154	162	179	195	198	188	188	195	197	186	185	181	178	169
5	142	146	154	152	168	175	182	186	202	201	200	186	186	189	188	180	172
6	138	128	125	137	158	171	185	192	199	197	196	195	194	192	188	184	179
7	150	141	139	158	175	192	192	187	198	203	195	190	182	183	187	184	178
8	126	129	131	146	160	190	197	196	207	210	198	210	209	210	216	216	202
9	146	141	142	159	164	175	194	193	192	197	200	201	190	191	178	173	159
10	107	107	121	151	163	190	178	192	188	184	186	181	187	174	175	172	173
11	139	132	139	147	161	171	175	197	198	179	181	182	183	182	179	177	183
12	123	118	124	137	155	179	179	185	186	160	162	169	175	174	175	172	171
13	123	125	129	138	157	167	168	184	186	184	187	183	191	184	175	163	160
14	121	128	129	142	180	197	228	240	159	185	185	188	207	188	184	164	182
15	132	135	145	154	161	170	178	185	179	182	192	199	177	183	177	183	185
16	134	124	128	137	152	165	183	190	201	175	189	198	197	200	196	188	191
17	118	118	128	156	163	171	192	154	170	185	183	189	194	191	187	185	180
18	129	130	140	152	163	173	174	174	178	175	179	180	179	179	182	182	186
19	123	134	145	161	178	187	196	195	178	180	180	183	185	187	190	193	191
20	156	149	155	158	175	185	171	193	195	186	174	178	183	184	182	180	181
21	138	144	146	156	171	181	175	175	185	192	180	178	181	182	181	175	177
22	136	139	148	160	179	183	184	182	179	181	184	181	182	183	185	180	179
23	145	141	146	159	174	186	185	193	194	193	191	184	187	188	185	179	178
24	124	128	129	144	161	184	192	193	184	178	188	188	182	188	181	174	172
25	144	142	147	153	170	191	182	184	195	184	188	185	188	183	170	173	180
26	117	120	141	163	174	190	188	187	189	192	179	180	182	181	164	157	164
27	140	140	145	156	174	187	190	184	175	183	182	183	181	175	179	184	176
28	132	138	145	159	177	179	183	182	189	187	189	188	189	190	191	184	180
29	142	140	150	162	172	186	189	184	189	192	189	196	187	185	185	182	178
30	142	149	153	163	172	187	188	187	175	187	190	190	189	192	193	189	188
31	4																
Среднее по всем дням	134	134	140	153	167	180	185	188	187	186	186	187	187	185	183	179	173

19	20	21	22	23	Средн. суточн.
166	161	156	156	147	137
168	163	167	164	159	150
167	168	162	156	143	148
163	161	162	165	158	150
170	167	164	162	157	149
180	174	165	160	159	153
176	177	170	158	149	136
169	152	144	149	155	152
140	142	135	140	118	106
163	161	153	155	147	141
184	180	173	160	124	131
168	158	154	143	141	131
143	144	128	125	126	115
164	165	163	147	130	139
174	170	168	160	157	140
177	173	172	165	157	138
172	165	153	146	140	139
175	174	174	163	148	130
189	180	175	160	163	163
178	177	165	155	145	138
175	168	160	154	143	130
178	175	173	168	164	153
166	160	148	141	142	123
157	156	155	145	147	157
150	152	145	136	135	128
162	160	159	155	149	144
172	172	165	151	141	138
177	160	178	163	158	152
173	169	165	160	157	145
182	185	173	160	147	145
169	166	161	154	146	140

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

Обработал Богдановская

Проверил Сивцова

Ведомство СВКНИИОбсерватория МагаданМесяц июнь Год 1969Широта 60°07'Долгота 151°01'Элемент Вертикальная составляющаяСреднемесячн. Z = 52780Z = 52700 +ε = 1.34 м.ч. Z₀ = 52772

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни																	
1	67	65	68	76	79	83	85	90	91	89	88	88	85	84	84	85	84
2	65	61	63	68	76	80	85	91	92	90	85	85	87	88	86	86	85
3	66	71	73	73	77	83	89	88	89	90	92	89	88	88	87	85	87
4	63	68	67	67	73	80	84	88	93	92	92	93	92	91	88	88	85
5	61	61	73	76	76	81	87	89	89	89	93	89	88	86	85	84	84
6	67	69	70	77	79	80	83	85	89	91	88	86	85	85	85	85	84
7	58	56	62	63	71	81	87	89	89	89	93	95	92	92	90	88	87
8	70	68	74	80	81	84	89	87	83	86	87	88	85	84	84	84	81
9	64	66	65	63	68	81	88	89	85	84	88	90	90	89	88	85	77
10	58	56	63	65	72	80	84	98	104	106	99	92	88	87	87	85	85
11	63	63	68	72	79	89	94	99	101	100	92	85	84	84	84	84	86
12	68	68	68	77	92	105	115	120	131	128	111	102	93	91	89	86	82
13	63	63	68	72	87	102	100	99	97	93	92	88	88	86	85	85	85
14	57	57	67	71	78	88	99	117	127	104	93	87	87	90	87	85	83
15	64	66	69	73	76	84	85	86	93	94	93	92	91	92	90	89	89
16	63	61	71	81	87	93	99	103	107	112	103	97	93	89	81	71	84
17	74	76	69	71	76	76	88	99	96	94	94	92	88	84	83	82	81
18	71	76	78	79	81	82	84	88	88	89	89	88	86	85	85	85	85
19	69	74	77	78	80	81	85	88	85	90	88	87	85	84	84	84	85
20	78	78	70	68	77	88	93	96	105	107	104	99	90	84	86	88	89
21	77	71	71	75	82	92	99	97	92	89	90	91	89	86	84	85	86
22	71	71	71	71	79	85	90	89	88	85	85	85	85	84	84	84	84
23	64	62	60	64	72	76	75	77	80	84	84	81	80	80	80	81	77
24	60	62	64	71	76	81	92	97	99	94	90	87	87	84	81	80	79
25	68	66	71	78	82	82	84	85	88	86	84	80	81	77	80	82	76
26	56	61	66	68	71	75	77	80	81	81	83	85	84	83	81	80	81
27	73	67	73	80	81	87	88	85	83	85	86	87	85	85	84	82	81
28	63	60	60	68	76	80	82	84	84	81	83	81	80	79	79	79	80
29	71	69	71	73	76	80	83	84	82	84	84	83	82	81	80	81	80
30	64	63	71	70	68	71	79	84	82	81	82	81	80	79	79	78	78
31																	
Среднее по всем дням	66	66	69	72	78	84	88	92	93	92	90	88	87	85	84	84	83

19	20	21	22	23	Средн. суточн.
80	76	71	68	64	65
76	73	71	68	68	67
80	79	77	73	63	59
84	83	81	70	64	65
81	77	77	76	67	64
80	79	76	74	69	64
84	80	79	77	77	75
70	65	63	62	63	63
57	45	44	40	44	53
73	73	72	69	63	59
81	77	76	74	72	70
75	63	63	63	66	62
77	75	69	59	53	54
85	86	84	72	64	63
81	68	61	60	62	64
85	85	85	76	70	69
73	65	68	69	71	71
81	80	80	83	75	72
81	77	79	82	82	79
90	91	88	83	82	83
84	81	80	76	74	73
83	80	77	73	72	71
74	75	72	64	60	60
71	67	68	69	68	65
63	63	61	56	58	58
81	80	76	73	72	73
81	80	77	74	74	70
76	73	72	71	70	71
77	77	75	71	67	66
76	70	68	68	70	70
78	75	73	70	67	67

Условные обозначения: $\wedge$ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; Δ — иныеОбработал А. ПогорельскаяПроверил Савангеева

Ведомство СВКНИИ

Обсерватория *Магадан*

Широта $60^{\circ}01'$ Долгота $157^{\circ}01'$

Элемен Угол склонения

Среднемесячн. Д = 13°00.6

So $1-7 = 13^{\circ}25.1$
 $8-27 = 13^{\circ}25.3$
 $28-31 = 13^{\circ}25.4$.

Месяц июль Год 1969

$$\phi = -12^{\circ}00.0' + \epsilon_D = 0.462' / 11.4'' =$$

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	63.8	67.8	69.8	69.5	68.6	67.4	66.2	63.2	63.7	62.2	61.9	62.3	61.5	61.8	59.0	58.6	58.5	54.9
2	64.8	66.9	70.6	72.3	70.8	69.1	66.4	63.1	62.3	61.1	60.5	60.5	60.7	60.5	60.0	59.2	58.5	57.4
3	61.1	64.8	67.7	69.7	69.4	69.1	67.1	64.1	61.6	59.8	59.7	60.1	60.3	59.7	59.2	58.3	57.1	56.0
4	63.2	65.7	67.9	69.9	69.7	68.7	66.6	64.3	61.7	60.5	60.1	60.1	60.1	60.0	59.7	58.8	57.8	56.9
5	61.4	64.6	67.7	69.9	70.1	68.5	66.4	64.3	61.4	60.3	60.4	59.6	59.3	59.7	59.0	58.3	57.2	55.4
6	58.3	61.5	63.7	66.4	68.5	67.9	66.0	63.9	62.0	60.7	60.1	59.7	59.0	59.1	58.5	57.4	54.4	54.2
7	59.5	63.7	67.4	69.9	70.4	69.9	66.5	63.5	61.3	60.9	60.1	60.1	61.1	61.1	59.7	57.3	56.7	55.3
8	62.0	65.7	66.8	66.6	66.4	65.8	64.7	62.9	61.7	61.7	61.2	60.9	60.8	60.6	59.4	58.3	57.1	56.1
9	64.5	67.0	70.2	70.1	70.2	69.8	67.6	64.5	61.6	60.6	60.3	60.8	60.7	59.8	58.9	58.7	57.2	55.4
10	61.5	62.4	65.9	68.2	68.6	68.5	66.8	63.3	60.9	60.3	59.3	60.1	60.8	60.7	59.4	57.3	57.1	55.5
11	61.8	63.3	64.9	68.0	68.8	68.2	65.9	63.1	61.3	60.0	59.5	59.9	60.1	60.3	60.3	59.7	59.4	57.5
12	61.2	65.9	68.6	69.1	69.8	69.8	66.8	64.4	60.1	59.4	59.4	60.1	60.2	59.8	60.2	59.8	58.5	55.9
13	65.9	68.4	73.5	73.3	73.7	70.9	66.3	63.1	61.0	59.1	61.2	60.8	60.8	60.3	61.3	61.3	60.2	59.8
14	63.5	66.5	68.1	68.2	68.2	63.6	61.9	61.4	60.3	60.7	61.7	60.5	60.3	60.8	61.4	61.0	60.6	59.3
15	62.1	64.5	67.7	67.2	66.0	64.6	62.6	61.0	60.3	60.8	59.3	59.4	60.8	61.6	61.7	60.8	59.8	58.0
16	62.5	65.3	67.1	68.4	66.7	65.2	64.7	63.3	61.2	60.1	57.5	59.4	61.2	61.0	60.6	61.2	60.3	55.5
17	61.0	62.1	64.8	67.0	68.1	67.4	65.0	62.8	61.1	60.0	59.2	59.8	60.1	60.3	60.3	60.2	59.7	58.8
18	58.8	60.3	62.4	64.9	66.2	65.9	64.7	62.9	61.7	60.7	60.5	60.3	60.8	58.4	59.4	59.7	59.4	58.5
19	58.9	60.8	63.1	65.4	66.2	65.4	64.3	61.8	60.2	59.4	59.3	60.2	60.5	60.3	60.2	59.8	58.9	58.0
20	60.3	62.2	63.3	64.9	64.8	64.5	63.6	62.1	61.5	61.1	59.9	59.3	59.3	59.2	58.5	58.1	56.8	56.3
21	61.8	63.3	64.8	65.8	65.8	65.4	63.5	61.6	60.8	61.0	61.3	60.2	59.5	58.9	57.9	57.1	55.7	55.2
22	62.0	63.7	66.2	65.8	65.3	65.9	66.8	64.7	64.7	62.9	61.6	60.8	60.5	59.8	58.9	58.4	57.9	57.1
23	61.7	61.2	62.0	64.4	64.8	65.4	64.5	63.1	62.0	61.3	59.8	60.5	60.3	60.3	59.8	58.8	58.4	58.4
24	61.7	61.0	60.7	61.7	63.1	63.8	63.3	63.3	62.2	61.3	60.6	60.2	60.2	59.8	59.3	59.2	57.9	58.3
25	61.7	62.6	63.5	65.2	66.5	66.8	66.5	64.7	62.4	61.0	61.0	60.7	60.6	60.2	59.8	59.2	58.5	57.5
26	61.6	61.9	61.5	63.9	64.5	62.5	61.2	60.2	60.0	60.8	60.8	60.2	59.4	58.8	51.5	54.7	54.1	53.2
27	63.7	70.8	73.3	61.4	70.4	72.2	72.7	61.2	64.9	66.0	63.9	63.1	60.7	61.0	62.3	61.6	60.9	59.6
28	64.6	67.5	68.0	67.6	66.8	65.4	64.1	61.6	60.2	62.2	62.2	62.1	61.8	61.6	61.1	60.7	60.4	59.6
29	63.2	65.3	65.3	65.8	66.0	65.8	65.0	63.2	62.1	61.8	61.8	61.8	61.7	61.5	60.4	59.8	58.9	57.8
30	60.2	63.9	64.9	66.0	66.6	65.9	64.3	62.2	61.3	61.6	61.2	60.6	59.6	59.5	58.1	57.4	55.7	57.7
31	63.2	65.4	63.8	63.4	63.9	63.9	63.6	62.4	61.7	61.0	60.8	60.7	61.0	60.4	60.2	60.1	59.2	58.4
Среднее по всем дням	62.0	64.4	66.3	67.1	67.6	66.9	65.3	62.9	61.6	61.0	60.5	60.5	60.4	60.2	59.5	59.1	58.2	57.0

19	20	21	22	23	Средн. суточн.	
52.8	53.9	54.1	53.8	57.2	62.4	61.5
55.6	54.0	52.9	53.8	56.2	58.6	61.5
54.6	55.1	55.3	55.3	56.5	59.7	60.9
55.8	54.9	54.1	53.7	55.9	58.0	61.0
54.0	53.5	52.8	52.1	52.6	55.5	60.2
53.8	52.1	52.4	52.1	52.8	56.5	59.2
52.8	52.3	52.1	52.3	53.2	56.5	60.2
56.1	56.6	55.7	54.9	55.2	60.5	60.7
54.5	53.1	52.5	52.8	54.5	58.0	61.0
53.6	52.9	53.8	54.2	54.7	57.9	60.2
55.7	55.6	57.5	54.5	56.1	58.7	60.8
53.6	53.8	53.1	53.8	61.7	63.8	61.2
58.7	56.6	49.5	52.0	56.6	60.1	62.3
57.1	55.7	55.9	58.8	58.9	60.8	61.5
56.5	54.3	53.3	53.8	55.7	59.4	60.5
57.1	57.8	55.0	55.7	58.0	60.3	61.0
56.3	54.7	55.8	55.2	57.1	58.0	60.6
57.5	56.5	55.5	56.0	57.1	57.5	60.2
56.1	54.7	53.7	53.7	55.9	58.4	59.8
54.6	52.4	52.8	53.3	53.3	56.2	59.1
53.7	52.2	52.8	55.2	56.5	61.2	59.6
56.8	56.8	56.8	56.0	57.0	59.6	61.1
55.9	54.3	55.0	54.9	55.3	60.2	60.1
57.4	57.9	56.9	56.4	57.4	59.4	60.1
56.1	54.2	53.8	54.7	56.0	59.7	60.5
52.9	53.2	53.7	52.8	58.0	60.8	58.4
59.3	62.5	57.9	57.1	58.7	61.2	63.6
58.9	58.3	57.2	56.5	57.1	59.7	61.9
57.2	57.1	55.8	55.3	56.6	58.4	61.2
52.1	50.1	49.3	57.6	55.3	58.0	59.3
57.2	56.6	56.8	56.5	56.3	60.2	60.7
55.6	55.0	54.3	54.5	56.2	59.2	60.6
						187.99

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\overline{\Lambda}$ иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().

Обработал и Н. Савангеева

Проверил Э. Поддельская.

Ведомство СВК Н И И
Обсерватория Магадан
Месяц июль Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. M = 18072°

Элемент Горизонтальная составляющая.

Но с 1-17 = 17972°

M = 17900° +

= 6 M = 2.05°

с 18-31 = 17973°

Время мировое																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	5	16	17	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	5	16	17	
1	145	153	167	193	203	208	227	223	154	188	185	187	182	188	182	179	177	172
2	119	137	145	155	175	188	173	186	192	184	184	185	183	183	180	178	177	175
3	132	127	138	153	170	182	186	190	187	188	189	189	188	185	182	180	180	183
4	134	143	153	163	179	188	191	191	190	188	187	188	190	184	183	183	186	187
5	134	127	134	157	179	192	197	198	196	195	189	192	190	187	187	184	184	183
6	139	142	146	155	173	187	202	206	204	202	204	202	199	203	206	201	196	199
7	137	142	153	167	187	192	197	207	204	200	202	201	195	195	197	185	186	183
8	126	134	143	163	176	171	190	190	193	192	188	184	186	188	186	182	182	180
9	139	137	143	155	169	174	192	200	187	185	189	188	190	183	174	178	174	166
10	146	145	144	158	164	174	185	192	201	192	184	184	180	185	193	167	168	169
11	136	135	140	151	169	184	194	191	188	188	193	194	194	190	189	188	189	187
12	142	137	144	152	159	158	172	174	176	183	189	191	194	197	192	196	200	197
13	147	155	161	175	183	170	168	179	187	179	183	184	190	196	194	190	190	192
14	134	137	144	153	146	174	183	177	170	168	171	189	192	193	194	187	189	185
15	147	149	165	180	184	182	181	179	174	175	182	195	188	186	185	183	185	183
16	141	141	152	158	172	181	182	184	186	187	184	184	188	190	188	194	192	180
17	150	150	152	154	155	161	180	186	186	184	187	186	184	187	184	184	185	180
18	152	140	135	142	159	173	184	184	185	186	189	186	185	187	184	181	182	182
19	164	163	160	161	163	173	176	182	184	188	188	187	186	187	186	182	179	179
20	150	148	149	153	165	173	182	187	189	192	193	197	207	205	210	209	205	199
21	171	169	165	166	171	179	185	195	194	199	203	204	205	208	205	196	186	184
22	155	157	160	168	179	190	184	184	169	183	188	187	186	185	183	183	176	175
23	164	155	154	154	165	178	182	183	185	185	190	186	184	183	180	178	185	184
24	161	165	164	159	161	169	178	171	172	180	183	183	184	187	189	187	181	182
25	164	153	152	155	163	171	175	179	185	187	185	183	183	186	185	183	181	181
26	165	164	168	165	168	176	185	188	186	189	188	193	221	225	198	180	179	181
27	70	79	87	92	97	137	171	183	147	147	154	160	162	155	155	154	154	154
28	123	126	129	135	148	159	168	165	168	169	169	168	168	167	168	168	168	168
29	121	129	141	152	160	169	175	172	172	174	173	176	178	179	178	176	175	175
30	140	142	148	161	182	194	195	205	194	186	186	186	188	190	196	195	195	186
31	125	129	150	167	168	179	182	181	176	175	181	185	183	187	180	181	176	174
в среднем по всем дням	141	142	148	157	167	177	185	187	183	184	186	187	188	189	187	184	183	181

19	20	21	22	23	Средн. суточн.	
162	145	147	146	128	119	173
173	167	166	155	146	141	169
183	183	180	167	150	132	172
185	177	168	162	159	149	175
183	186	181	170	157	147	176
197	191	184	168	156	144	184
172	173	165	155	143	134	178
175	175	168	164	153	149	172
165	158	157	155	147	140	169
173	174	169	157	138	131	170
179	177	175	177	166	153	176
192	187	175	136	143	146	172
177	165	151	158	147	131	173
174	164	166	167	161	151	170
178	177	169	162	156	150	175
175	170	173	170	171	165	175
177	169	167	164	159	157	172
179	174	175	174	167	164	173
178	175	172	164	156	153	174
190	185	181	171	167	165	182
171	165	167	169	158	155	182
171	168	164	174	168	169	175
174	172	167	160	154	153	173
175	169	170	170	173	169	174
179	178	177	174	165	169	175
174	168	166	151	149	102	176
144	141	148	139	131	126	137
166	161	155	145	138	136	156
172	167	172	172	164	153	166
168	160	156	155	150	138	175
172	170	169	163	159	153	169
175	171	168	162	154	147	172

5338

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

Обработал Сивцева. М. И.

Проверил Гордеевская.

Ведомство С.В.Ж.Н.И.И.Обсерватория МагаданШирота 60°07 Долгота 151°01Среднемесячн. 2 = 52775'Элемент Вертикальная составляющаяМесяц июль Год 19692 = 52708' + 62 = 134'/мм = 20 с 1 по 31 = 52772'

Время мировое																		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	60	62	63	62	66	73	77	104	102	92	84	81	82	81	80	79	74	68
2	61	61	57	62	69	72	72	75	77	77	77	76	73	73	73	73	73	72
3	62	51	55	61	59	63	71	78	73	76	73	73	72	72	72	72	72	73
4	70	70	63	60	60	69	76	77	76	73	72	71	70	70	70	70	70	71
5	52	55	56	63	70	74	77	77	77	77	75	73	71	70	70	70	72	72
6	51	49	47	47	58	64	68	73	76	73	69	68	67	67	68	65	65	69
7	47	49	51	54	59	61	62	68	70	69	69	70	69	69	68	69	69	65
8	54	57	53	51	56	63	70	68	65	68	68	68	68	69	69	69	69	67
9	53	46	45	53	63	71	75	79	84	79	74	72	73	73	73	73	73	71
10	58	57	58	60	66	68	70	72	73	75	76	76	74	73	72	68	72	72
11	61	61	63	61	64	70	74	75	76	73	72	71	69	69	69	68	68	70
12	51	53	57	59	68	74	81	86	90	88	81	74	72	70	69	69	69	69
13	59	58	60	66	72	80	84	85	90	90	83	79	76	73	72	70	71	72
14	55	60	62	59	69	77	78	81	80	80	76	76	74	73	71	71	72	72
15	68	68	69	74	79	80	76	76	77	77	78	78	73	72	72	71	71	72
16	64	68	68	72	74	73	72	73	74	76	80	80	76	74	72	72	69	69
17	65	63	63	67	73	77	75	80	79	77	76	74	72	70	69	69	69	69
18	60	59	57	58	62	68	72	71	71	73	76	76	74	70	67	69	70	70
19	59	60	61	62	69	72	70	72	75	73	74	73	71	69	69	68	68	69
20	64	63	62	63	64	64	63	66	69	69	69	68	67	66	66	65	65	65
21	59	53	50	54	60	65	68	69	65	62	63	65	66	67	67	65	64	63
22	68	57	69	68	69	68	71	76	73	71	72	71	69	68	67	67	67	65
23	53	48	49	57	62	63	65	64	65	67	68	69	68	67	66	66	66	65
24	64	60	59	60	60	65	69	69	65	66	67	67	65	65	65	66	65	65
25	52	52	49	56	63	67	70	72	72	72	69	68	67	67	65	66	66	66
26	59	61	60	57	62	66	68	67	63	62	64	64	63	63	64	65	64	64
27	47	57	56	88	99	100	107	148	142	114	99	92	85	81	79	76	74	72
28	61	59	64	73	77	81	84	85	83	82	78	75	73	73	72	71	71	69
29	46	49	56	59	62	63	67	69	71	72	71	70	70	70	69	70	70	70
30	68	69	69	72	69	69	73	74	72	69	69	68	69	69	69	69	67	68
31	52	54	57	54	53	59	64	67	69	69	69	71	72	70	69	69	67	68
Среднее - по всем дням	58	58	58	62	66	70	73	77	77	76	74	73	71	70	70	69	69	69

19	20	21	22	23	Средн. суточн.	
64	60	57	57	57	61	73
69	70	69	67	67	65	70
69	64	63	64	64	65	67
70	68	68	64	59	55	68
69	63	61	61	59	55	67
68	65	61	55	49	51	62
62	60	58	54	53	51	62
64	61	59	60	61	60	63
68	60	58	58	58	59	66
72	69	65	60	60	59	68
68	61	56	51	47	45	65
68	66	62	59	59	55	69
72	63	51	47	48	50	70
71	68	65	65	66	65	70
72	71	67	65	65	66	72
68	66	63	63	67	71	71
69	67	63	61	60	58	69
69	68	61	60	59	57	67
70	68	64	62	61	59	67
65	63	61	60	55	56	64
61	58	53	51	54	61	61
64	63	62	60	56	53	66
61	62	63	62	63	64	63
64	61	59	55	52	53	63
66	65	64	61	60	60	64
63	60	57	50	49	47	61
68	55	57	65	69	65	83
69	69	70	69	65	52	72
69	69	68	64	64	65	66
52	54	51	48	46	49	65
68	67	68	62	58	60	64
67	64	61	59	58	58	67

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\wedge$ иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().Обработал Сивцева М.И.Проверил Зотравкина В.Ф.

Ведомство СВКНИИОбсерватория МагаданШирота 60°07 Долгота 151°01Среднемесячн. Δ = -13°08Месяц Август Год 1969Элемент 1201 склоненияΔ = -12°00'00 + $\epsilon_D = 0.463$ $\Delta_0 = 1-31 = 13^{\circ}25.4$

Время мировое																							Средн. суточн.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
1	61.7	63.8	66.3	68.7	69.8	68.6	66.9	63.5	61.5	60.4	60.4	60.4	60.9	59.9	60.1	60.1	59.2	55.9	55.5	55.0	54.3	53.4	56.2	60.8
2	60.6	63.9	66.1	67.5	67.2	64.9	63.2	61.7	60.8	60.9	61.6	61.6	61.0	60.6	59.6	58.6	56.8	54.1	53.1	51.8	52.8	54.5	57.1	59.8
3	60.9	64.0	65.7	66.8	64.9	64.3	64.0	63.3	61.5	61.7	62.7	61.3	60.1	60.8	60.8	58.3	56.2	52.1	50.2	50.4	57.5	59.8	65.9	60.3
4	68.2	69.9	70.7	70.5	68.9	67.0	65.2	63.8	61.9	61.0	61.7	61.5	61.5	60.7	59.6	59.0	58.6	55.0	54.3	55.2	55.9	57.2	59.2	61.9
5	60.6	62.2	63.5	66.7	67.7	68.2	65.9	64.4	62.1	61.3	60.8	58.7	58.5	60.9	61.3	61.3	60.6	58.7	57.5	56.7	57.1	58.6	60.2	61.4
6	61.5	64.4	69.7	68.8	68.2	66.8	65.9	64.1	62.7	61.8	60.9	60.6	61.3	60.7	60.7	59.8	58.6	56.6	55.6	55.0	54.8	55.8	57.4	61.2
7	60.4	63.5	64.6	66.3	68.0	67.3	65.9	64.1	63.1	61.1	60.9	60.1	59.9	57.6	57.4	59.2	57.1	54.2	55.3	56.0	56.7	58.1	63.5	60.6
8	63.5	66.2	67.5	68.5	67.8	65.5	64.1	63.4	63.0	62.5	62.7	58.6	61.8	61.5	61.3	60.1	59.5	57.2	55.3	54.8	55.8	57.6	58.8	61.5
9	61.5	64.8	64.6	66.9	65.7	63.5	62.5	60.9	60.9	60.4	59.8	58.7	59.4	60.9	57.1	57.9	59.3	58.9	56.0	55.9	57.1	59.2	61.6	60.6
10	61.1	61.0	64.1	66.4	68.2	67.9	67.6	65.1	62.5	57.9	60.1	60.6	60.8	61.2	60.4	59.3	59.3	57.6	56.4	54.3	55.1	57.6	59.8	61.0
11	61.3	61.8	63.9	65.5	65.7	64.6	63.4	62.1	61.0	60.2	61.3	61.2	61.0	60.0	59.3	58.6	58.6	55.3	53.9	55.3	55.2	55.8	56.5	59.9
12	57.3	59.9	67.7	68.4	67.1	66.2	65.4	63.7	60.1	61.1	59.5	54.8	59.4	59.0	58.9	60.4	61.6	56.2	56.2	56.8	58.3	61.0	63.0	60.9
13	55.2	65.0	66.0	66.3	66.8	65.7	64.4	61.8	55.3	55.8	60.8	61.3	61.5	61.6	60.8	60.9	60.1	58.1	55.8	56.7	59.3	59.9	61.3	60.8
14	63.2	64.6	65.7	66.9	67.8	66.3	65.3	61.3	61.3	61.1	60.3	61.1	59.4	58.5	60.7	60.9	61.3	58.0	55.6	55.3	55.8	57.5	60.4	61.2
15	63.2	65.8	67.7	68.2	66.8	64.4	62.7	61.5	60.6	60.9	60.9	60.9	60.2	60.4	59.9	59.9	59.5	57.0	56.0	55.3	54.6	55.8	59.1	60.8
16	61.8	63.8	64.1	64.6	64.6	63.1	61.7	60.7	59.9	59.6	59.4	60.0	60.4	60.2	60.3	59.7	59.1	55.8	53.0	53.7	57.2	59.5	60.2	60.0
17	62.9	66.2	70.4	70.4	68.0	67.0	65.3	63.7	62.5	62.7	61.5	61.2	60.9	60.9	60.6	59.8	59.0	56.8	57.2	55.4	56.6	57.8	59.4	61.8
18	62.0	64.6	68.3	66.4	64.1	63.5	62.2	61.6	60.9	60.3	61.1	60.7	60.6	59.7	54.7	57.8	57.6	54.8	54.1	54.6	55.3	57.1	59.5	59.9
19	60.4	64.1	65.0	66.0	66.7	66.3	64.6	63.0	61.8	60.1	56.1	59.5	58.5	59.7	59.5	59.5	59.2	54.6	56.6	58.8	61.2	61.6	61.0	60.8
20	62.9	65.4	67.8	69.9	69.4	67.1	65.9	61.7	63.3	62.4	63.4	61.8	60.9	58.1	60.7	60.2	59.2	57.4	57.1	56.5	57.6	57.6	59.7	61.9
21	62.0	64.1	65.8	66.9	66.9	64.8	63.4	62.0	60.9	60.4	60.2	59.8	59.5	59.2	58.8	59.6	57.4	57.4	57.0	57.3	57.0	57.4	58.6	60.6
22	63.0	64.4	65.8	66.2	66.6	66.0	64.8	63.0	61.5	60.7	59.7	59.8	59.7	59.0	59.5	58.7	57.9	55.6	55.3	53.7	54.6	54.8	56.5	60.2
23	59.9	63.9	64.6	65.8	69.0	66.9	64.8	63.2	63.1	61.8	58.4	60.0	59.9	60.9	59.3	62.8	59.5	57.0	57.1	57.9	57.4	56.7	58.1	61.2
24	61.8	65.3	64.6	63.9	62.7	62.2	61.8	60.7	60.6	61.1	59.6	60.2	60.4	58.7	58.8	58.1	57.1	56.1	54.4	53.7	54.2	55.8	57.8	59.4
25	62.2	65.0	67.0	67.0	65.8	65.2	63.5	61.5	60.0	59.7	59.7	59.3	59.7	60.1	59.8	59.3	58.8	57.6	56.5	55.1	54.6	56.0	58.7	60.4
26	61.8	63.4	64.6	64.6	64.1	63.2	62.0	60.7	60.2	57.6	56.2	58.6	55.2	58.4	58.7	58.8	58.6	56.0	54.4	53.7	53.0	56.7	57.2	59.0
27	63.0	63.0	67.7	70.6	70.8	68.2	65.6	64.9	64.4	62.7	65.3	60.2	57.5	59.7	60.1	60.4	58.3	60.9	57.9	55.8	56.6	59.2	62.7	62.3
28	66.7	63.3	69.0	69.7	68.7	66.2	65.5	63.4	61.9	61.1	60.7	61.3	61.1	60.4	59.6	59.9	58.7	57.9	56.5	53.7	53.2	56.7	61.1	61.5
29	64.1	66.0	67.2	68.7	68.1	66.0	63.8	61.6	61.0	61.2	61.1	60.7	60.6	60.4	59.7	59.3	58.9	56.6	55.3	53.9	53.7	55.6	57.9	60.8
30	61.3	65.0	67.3	68.7	68.3	66.4	63.5	61.2	59.4	59.7	60.0	59.5	59.7	57.9	58.5	58.8	58.9	58.0	56.0	54.9	55.2	54.7	57.0	60.4
31	60.9	63.8	66.9	68.9	68.1	66.0	63.5	61.2	59.9	60.7	60.9	60.2	60.4	60.2	59.8	59.8	59.3	56.6	54.6	52.8	52.3	55.3	60.7	60.4
Среднее по всем дням	61.8	64.3	66.4	67.4	67.2	65.8	64.3	62.5	61.3	60.7	60.5	60.1	60.0	60.0	59.6	59.6	58.8	56.6	55.5	55.0	55.8	57.2	59.6	60.8

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\wedge$ и иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ().Обработал А. Н. СавангееваПроверил Людмила

Ведомство СВКНИИ
Обсерватория Магадан
Месяц август Год 1969

Широта 60°07' Долгота 151°01'
Элемент горизонтальная составляющая
М = 17900 БМ = 2.05 мм

Среднемесячн. М = 18070
Н с 1-17 = 17973
с 18-31 = 17974

Время мировое																							Средн. суточн.	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
1	142	139	139	151	168	180	185	189	186	186	186	182	181	181	183	182	180	175	173	167	159	153	149	171
2	152	155	158	169	176	183	188	188	185	188	188	191	193	192	197	188	189	190	183	171	166	163	160	179
3	158	153	161	173	180	189	198	200	205	198	192	203	186	189	179	164	165	170	166	153	140	148	148	174
4	138	132	136	144	162	164	181	181	179	184	164	165	175	176	176	173	176	160	151	154	152	150	140	162
5	133	132	137	140	156	160	177	180	180	176	179	182	184	180	180	185	179	171	170	165	154	143	137	165
6	132	131	127	147	166	180	186	183	182	182	183	184	182	183	179	179	174	174	170	163	159	157	154	168
7	154	152	156	164	168	176	183	189	180	195	195	200	200	205	203	197	191	181	177	168	169	168	172	180
8	155	151	154	164	173	175	182	185	175	179	187	175	182	185	184	181	183	173	164	165	165	170	159	172
9	158	153	152	157	168	179	180	175	167	173	174	174	183	180	174	176	181	169	162	157	153	146	141	167
10	137	133	131	146	156	164	180	178	181	167	173	176	179	174	168	163	165	165	165	162	156	150	145	162
11	142	145	154	160	171	174	184	189	188	183	181	184	187	189	193	194	195	189	185	181	173	165	156	177
12	148	143	149	155	166	165	180	187	180	173	184	178	164	180	178	182	181	165	164	158	155	156	149	167
13	147	148	157	164	166	164	170	176	166	168	169	172	173	174	176	172	173	172	165	156	152	147	148	164
14	143	136	139	154	170	172	181	174	183	180	173	172	170	166	173	176	181	180	171	168	162	154	144	167
15	137	140	153	168	183	185	188	174	179	178	176	176	180	181	183	176	180	187	181	173	165	157	149	172
16	144	148	161	173	183	186	185	181	179	179	174	175	183	185	188	189	189	183	179	170	162	165	155	175
17	150	140	145	165	180	187	183	176	174	173	181	185	184	182	180	174	172	163	162	161	157	154	146	168
18	141	141	145	166	177	180	182	186	188	190	188	191	193	197	181	171	180	175	173	171	162	158	159	174
19	156	153	156	160	173	174	174	188	192	187	179	189	187	184	181	189	192	175	173	167	161	150	140	173
20	129	130	139	140	161	173	176	172	175	173	172	176	181	180	171	171	169	170	167	157	155	149	147	163
21	149	145	145	154	158	175	182	182	180	179	180	183	184	186	175	175	172	170	168	170	171	169	153	170
22	149	140	145	152	160	170	183	187	190	190	188	187	187	185	186	185	186	178	176	166	163	162	155	173
23	144	154	152	167	163	164	181	188	188	189	184	182	170	179	175	177	177	170	169	164	158	148	135	169
24	136	144	154	161	172	177	175	186	188	181	190	194	188	183	185	185	185	183	174	170	161	156	146	173
25	142	144	155	175	173	179	177	181	181	181	181	181	182	181	181	181	181	181	177	177	170	163	158	173
26	157	160	163	172	180	184	193	191	191	191	173	168	169	174	183	182	182	182	177	169	158	161	144	174
27	146	145	144	162	139	151	161	174	179	156	160	156	162	168	166	163	163	171	164	159	148	140	133	157
28	131	134	144	155	166	173	172	169	172	173	179	177	176	180	179	184	176	176	170	164	153	143	136	165
29	127	132	147	159	173	185	184	184	180	181	181	185	186	187	183	175	170	175	173	168	159	151	136	169
30	127	128	137	155	177	192	192	183	182	183	185	184	184	189	185	185	179	175	169	161	159	147	132	170
31	126	129	147	165	182	190	193	184	175	179	182	187	183	183	181	181	186	168	165	157	148	138	130	168
Среднее по всем дням	143	142	148	159	169	176	182	183	182	180	180	181	181	183	181	179	179	175	170	165	159	154	147	170
																							5261	

Ведомство СВ КНИИОбсерватория МагаданМесяц август Год 1969Широта 60°07' Долгота 151°01'Элемент Вертикальная составляющаяСреднемесяч. Z = 52773°Z = 52700°δZ = 1.34° с 1-31 = 52772°

Время мировое																								Средн. суточн		
Дни		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	64	60	61	67	73	82	86	88	88	85	84	83	81	79	77	77	78	80	80	77	75	73	77			
2	68	65	66	69	74	78	79	83	82	81	78	77	77	76	77	76	76	76	77	75	73	72	68	66	75	
3	63	65	71	72	75	76	75	77	78	80	79	78	79	79	80	80	80	78	67	63	61	56	49	52	71	
4	56	61	67	73	73	78	88	87	83	84	93	93	87	83	81	79	73	68	67	65	67	68	70	70	76	
5	68	65	64	65	71	75	81	81	80	77	77	80	79	79	78	77	76	76	77	76	72	69	67	65	74	
6	66	68	75	84	86	86	86	85	83	78	77	77	77	77	77	77	76	76	76	77	79	78	74	65	63	77
7	66	69	70	70	71	74	78	80	74	77	76	74	75	73	67	65	64	67	68	66	64	61	56*	57	69	
8	55	59	61	65	69	74	77	80	80	80	79	81	80	77	76	72	72	73	72	70	67	64	65	63	71	
9	62	65	59	59	63	69	74	76	76	75	73	72	72	71	68	68	68	67	67	66	63	59	60	60	67	
10	58	61	61	63	70	76	77	76	80	84	82	77	75	73	72	72	73	73	74	74	73	71	69	65	72	
11	56	59	64	69	76	77	76	75	75	75	75	74	74	73	73	73	73	73	71	69	67	66	67	66	71	
12	61	59	59	63	73	78	85	86	88	85	82	79	74	76	74	73	68	52	57	66	67	65	69	72	71	
13	74	67	66	67	68	72	76	80	86	89	84	80	78	77	75	73	73	75	74	71	68	67	65	68	74	
14	63	59*	61	65	68	73	79	81	81	81	84*	82	79	77	77	77	76	77	76	73	70	66	65	64	73	
15	66	69	75	80	78	81	81	78	77	76	75	74	74	74	74	73	73	74	75	75	76	73	67	69	74	
16	72	74	72	76	79	77	77	76	76	76	76	77	77	76	75	73	71	73	77	76	74	73	71	68	75	
17	66	64	67	73	77	78	79	80	83	84	81	79	78	77	76	75	74	75	76	75	72	69	67	68	75	
18	67	67	70	77	80	81*	79	76	75	76	75	74	73	73	71	71	73	73	72	71	69	64	64	64	72	
19	61	65	66	69	70	71	75	77	80	82	82	80	80	79	77	74	61	53	55	47	39	37	40	53	66	
20	62	68	68	70	76	81	82	89	90	88	85	81	80	76	75	74	74	75	45	43	40	67	68	71	76	
21	72	73	73	72	69	71	73	73	75	75	74	73	73	73	72	71	65	65	71	71	69	69	67	63	71	
22	63	64	63	64	67	70	71	73	73	71	71	74	74	75	74	73	71	69	66	70	71	70	68	63	70	
23	61	65	68	71	73	75	77	77	77	77	80	81	84*	81	77	73	70	72	73	74	75	75	74	72	74	
24	71	71	70	69	70	73	75	74	74	72	73	76	73	76	76	73	72	71	69	69	68	65	62*	62*	71	
25	61	64	68	70	74	77*	76	76	75	75	73	73	72	72	72	72	72	72	73	76	76	71	70	72	72	
26	68	64	67	69	71	75	78	76	70	72	80	80	80	80	78	75	73	73	73	75	71	65	64	65	73	
27	67	60	63	65	74	77	76	77	86	96	92	81	83	81	80	68	67	72	76	71	73	71	69	71	75	
28	75	73	74	77	77	81	86	85	82	81	80	78	77	77	76	73	69	70	68	69	69	67	64	65	75	
29	66	67	65	65	72	77	79	77	71	71	72	73	74	74	74	74	75	76	77	78	79	75	71	72	73	
30	74	73	69	69	74	81	84	79	74	73	73	72	73	72	70	69	69	70	71	71	71	68	64	62*	72	
31	63	62	61	63	72	80	81	82	82	80	77	76	74	74	73	73	71	69	72	76	77	76	73	70	73	
Среднее - по всем дням		65	65	67	69	73	77	79	79	79	79	79	78	77	76	75	73	72	71	72	71	70	67	65	66	73

1) Сомнительные сверен.
Сигнал равенства за сгит окружения при редуцир.

2255

Обсерватория СВКНИИ

Широта $60^{\circ}07'$ Долгота $151^{\circ}01'$

Элемент Угол склонение

Среднемесячн. $\alpha = -13^{\circ}00'00''$

Месяц Сентябрь Год 1969

 $\delta = -12^{\circ}00'00'' +$ $\epsilon_0 = 0.462 \frac{1}{\text{сут}} = \delta_0 \text{ с 1 по 30} = -12^{\circ}85'4''$

Время мировое																							Средн. суточи		
	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22		23	
1	64.9	65.9	66.5	67.8	67.0	65.5	63.6	61.6	60.0	59.7	60.0	60.4	60.0	60.4	60.2	59.4	58.7	57.9	57.0	55.3	53.8	54.3	56.1	60.0	60.7
2	62.9	64.2	64.9	64.9	65.1	63.2	61.8	61.4	61.2	61.1	60.7	60.2	60.2	59.6	59.8	59.1	58.9	58.6	57.7	56.3	55.2	55.4	56.8	59.8	60.4
3	62.5	63.2	64.7	66.0	65.6	64.2	62.8	61.5	61.1	60.9	59.5	60.1	60.4	60.0	59.5	58.6	58.6	57.8	57.0	55.4	54.4	55.6	56.3	59.5	60.2
4	63.0	64.6	65.2	66.0	65.7	65.1	63.3	61.6	60.4	60.0	59.8	59.8	59.3	58.4	58.1	58.4	57.9	56.8	57.5	55.6	54.1	56.1	58.5	61.3	60.3
5	63.1	64.0	64.4	64.4	64.2	63.2	62.8	61.8	61.4	60.9	60.7	59.7	57.1	56.5	51.3	55.6	55.1	58.6	59.5	61.6	62.2	59.1	64.9	68.3	60.8
6	62.5	64.0	67.4	68.8	68.6	67.8	64.0	64.0	61.6	60.7	60.0	55.6	60.1	59.6	60.7	61.2	59.5	60.4	61.4	59.8	57.9	60.7	61.4	61.2	62.3
7	63.5	65.3	66.0	65.3	65.1	64.2	62.8	61.8	62.1	64.6	61.4	56.5	59.8	60.8	60.8	62.6	63.4	59.8	60.4	59.5	60.0	59.7	63.3	66.5	62.3
8	68.8	69.7	70.4	71.1	70.7	66.5	65.7	57.7	61.8	67.6	64.2	63.0	62.6	62.0	60.7	60.0	60.2	60.9	59.8	58.6	59.1	59.8	60.8	64.2	63.6
9	66.3	67.4	68.8	68.1	66.5	64.8	61.4	60.8	62.2	62.3	61.7	60.0	55.2	56.6	58.8	60.0	60.7	58.6	57.3	58.1	58.1	58.3	60.8	64.2	61.5
10	65.3	65.3	66.4	66.5	65.3	64.0	62.6	61.8	61.6	61.3	61.2	61.1	60.9	60.6	58.5	59.1	59.6	58.9	58.9	57.3	55.8	57.9	58.6	60.0	61.2
11	61.7	68.3	70.4	68.3	66.9	66.1	64.4	64.1	63.7	64.2	61.6	60.7	60.0	62.3	59.5	59.8	59.8	59.1	59.3	59.5	55.8	56.6	58.6	61.2	62.2
12	64.2	66.8	66.0	65.6	64.6	62.8	61.6	61.2	61.0	60.4	60.5	59.1	60.2	60.1	60.0	59.8	59.0	59.3	58.9	58.0	57.2	57.6	58.7	59.7	60.9
13	61.2	62.8	63.6	64.4	64.5	63.2	61.5	61.4	60.2	58.9	60.2	60.0	61.1	60.4	60.2	59.7	59.5	59.1	58.1	56.8	55.6	55.8	56.9	58.2	60.1
14	59.8	61.3	63.0	63.3	63.0	62.6	61.9	61.4	60.4	60.0	57.7	59.9	59.8	59.3	59.1	58.1	57.7	55.4	54.0	55.5	60.0	60.7	63.2	65.1	60.1
15	66.7	69.7	72.0	68.8	68.3	68.6	66.9	65.5	66.5	66.3	64.9	60.7	59.8	56.9	57.7	51.7	46.6	45.0	51.0	55.6	56.3	57.7	58.1	61.4	60.9
16	66.9	67.2	69.0	69.2	69.5	67.6	66.0	63.7	63.1	62.1	60.9	61.5	60.9	60.2	60.2	59.8	59.3	60.0	58.7	57.7	57.0	56.9	57.7	59.3	62.3
17	60.7	62.6	64.1	64.6	64.1	63.0	61.7	60.8	60.4	59.8	60.4	61.8	63.2	60.2	56.6	54.9	54.7	54.9	53.3	54.4	52.4	54.2	57.6	59.5	59.2
18	60.5	62.9	64.6	65.5	66.5	66.5	64.0	62.8	62.3	61.3	59.9	55.7	56.6	58.1	56.8	56.8	56.3	65.1	53.7	54.6	59.2	59.2	58.8	62.2	60.0
19	63.5	66.7	68.3	68.1	68.6	65.3	62.3	61.4	61.1	60.7	60.2	60.5	58.6	58.6	59.1	59.5	59.5	58.7	58.4	58.1	58.1	58.1	58.6	60.0	61.3
20	61.4	63.0	64.2	65.7	65.4	64.8	64.6	63.2	58.6	60.9	61.4	60.4	60.4	58.2	60.2	60.2	55.4	61.2	57.5	57.3	57.1	57.3	58.4	59.5	60.7
21	61.2	63.7	65.5	66.7	66.5	64.7	63.0	61.4	58.4	59.1	59.1	59.9	59.8	59.5	59.4	59.3	58.4	58.1	58.1	57.7	57.2	57.7	57.7	59.8	60.5
22	62.6	63.5	64.9	66.3	66.3	65.5	63.0	61.1	60.4	60.7	59.8	60.1	60.0	59.8	59.3	59.1	59.1	59.1	58.9	58.4	57.7	57.8	58.6	59.1	60.9
23	60.3	62.3	64.0	63.7	63.2	62.1	60.9	60.7	60.4	60.0	59.8	59.3	59.1	53.3	52.1	56.6	58.1	57.9	56.8	54.9	60.0	63.2	60.7	62.1	59.6
24	64.2	65.0	64.7	64.4	65.6	64.8	63.7	61.7	61.1	60.6	60.9	60.6	60.5	60.0	60.0	59.5	59.1	58.6	58.2	57.7	57.2	57.2	57.6	59.8	60.9
25	60.7	62.3	62.8	64.0	66.7	65.5	63.6	60.7	60.4	60.1	60.1	66.0	59.8	59.4	56.9	58.1	55.2	57.5	59.3	58.7	57.2	57.5	56.6	59.1	60.3
26	60.8	61.7	62.8	63.7	64.0	63.7	63.2	62.8	61.4	57.5	61.4	61.4	60.7	60.0	59.3	59.1	58.5	58.4	58.3	58.1	57.7	57.6	57.1	58.5	60.3
27	58.6	59.3	61.4	62.8	64.6	64.2	63.2	61.4	60.4	60.1	60.2	60.0	59.5	59.2	58.7	58.6	57.7	57.6	58.8	57.9	58.6	57.8	57.0	57.5	59.8
28	56.8	61.4	62.8	64.2	64.2	63.2	62.3	61.2	59.5	64.1	61.9	53.5	52.4	57.7	48.0	54.1	55.1	59.2	53.7	52.5	54.0	63.0	63.2	62.0	58.8
29	62.9	64.6	66.0	66.5	66.0	65.7	64.7	63.2	53.1	44.1	61.4	58.1	63.2	54.0	67.9	58.6	45.1	49.4	54.0	54.4	59.3	59.5	70.9	94.0	61.1
30	86.3	73.8	79.2	78.7	72.5	69.7	69.9	67.3	45.3	63.9	66.9	61.6	65.3	55.6	60.8	54.6	57.0	59.1	59.3	64.2	63.2	59.7	60.0	60.6	64.8
31																									
Среднее по всем дням	63.7	64.8	66.1	66.4	66.2	64.9	63.4	62.0	60.4	60.8	60.9	59.9	59.9	58.9	58.7	58.4	57.5	57.7	57.5	57.3	57.4	58.1	59.4	62.1	60.9

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; $\square$ — остановились часы; $\bar{\Delta}$ и иные причины отсутств. записи. Величины, взятые приближенно с магнитогаммы — ().

Обработал Сивцева М.И.

Проверил Поддельская З.П.

Ведомство СВКНЦ Среднемесячн. Н = 18065
 Обсерватория Магадан Широта 60°07' Долгота 151°01' Элемент горизонтальная составляющая
 Месяц сентябрь Год 1969 Н = 17904 БН = 2.05 М = 17974

Время мировое																								Средн. суточн.		
Дни		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1		127	142	155	164	165	171	177	179	176	179	179	178	179	178	178	178	177	178	178	175	164	152	140	133	167
2		132	137	147	160	173	182	184	186	184	184	182	181	181	179	179	179	180	178	179	175	167	155	147	141	170
3		140	139	148	162	177	186	190	191	189	187	187	190	180	185	182	182	180	177	183	180	171	163	150	143	173
4		143	143	147	155	167	179	180	179	180	185	186	187	186	188	184	177	177	172	168	168	159	155	154	149	170
5		145	149	157	169	176	189	190	190	183	180	183	183	172	163	134	122	153	161	167	159	157	154	133	133	162
6		143	137	126	123	148	145	147	161	166	162	158	144	162	165	167	169	167	167	169	162	157	147	146	148	154
7		133	124	133	142	154	167	169	169	158	153	162	159	164	164	167	171	175	173	174	165	154	143	125	128	155
8		129	126	134	143	145	152	153	168	155	147	136	157	160	159	169	159	155	161	158	153	148	141	133	125	149
9		122	121	136	152	163	165	150	158	169	169	169	169	177	169	152	145	157	165	158	160	154	149	145	140	155
10		138	140	156	155	161	167	169	169	169	169	167	168	168	171	173	165	166	167	170	167	165	159	154	147	162
11		128	122	136	149	163	159	161	164	160	157	163	166	169	176	164	168	171	170	171	176	156	149	141	137	157
12		135	145	159	170	165	163	171	173	173	168	171	170	173	173	171	171	171	171	173	168	160	150	145	141	164
13		142	141	152	166	169	173	177	177	172	168	173	169	171	173	175	176	175	173	170	169	164	158	153	147	166
14		147	149	152	161	169	171	173	177	178	171	169	169	175	171	171	183	178	176	179	169	161	158	150	129	166
15		113	112	126	145	158	176	176	167	178	172	151	153	154	146	139	134	114	112	133	145	136	126	117	112	141
16		110	124	130	138	159	157	159	156	159	161	164	166	165	167	168	172	169	168	167	164	163	157	153	145	156
17		140	141	150	159	169	176	182	184	186	190	187	185	175	180	178	173	173	172	166	162	160	153	149	148	168
18		142	141	149	156	170	169	178	179	172	173	175	172	178	180	175	173	180	182	169	149	145	145	144	137	164
19		130	125	135	152	159	161	172	176	176	173	171	173	177	176	172	171	175	173	172	169	164	160	155	148	163
20		144	147	154	158	163	166	167	165	163	162	169	172	183	167	169	178	160	167	164	163	159	153	147	141	162
21		130	135	143	158	170	173	178	178	171	178	180	180	179	180	179	180	176	173	172	171	167	166	159	150	168
22		144	143	144	152	159	171	173	174	176	180	179	173	178	179	178	180	180	178	177	172	167	165	162	153	168
23		147	143	150	166	171	176	181	181	184	186	188	192	194	196	178	165	178	188	178	166	160	149	145	144	171
24		144	148	156	169	176	173	180	173	176	178	169	176	175	175	173	173	171	168	167	162	159	155	152	150	167
25		146	148	155	158	151	164	166	176	178	177	176	176	176	177	176	180	163	157	161	161	157	155	150	147	164
26		147	147	147	150	158	166	178	173	177	176	173	177	176	177	177	176	176	173	173	171	165	161	153	148	166
27		145	145	146	153	162	172	180	183	183	181	181	181	182	181	182	181	179	176	173	173	169	164	169	173	171
28		160	162	166	172	177	192	204	200	203	200	196	240	186	155	143	144	150	152	163	133	127	120	129	128	167
29		117	116	128	138	153	176	185	186	167	107	126	172	163	182	132	137	118	134	164	148	139	137	94	37	140
30		63	81	62	104	135	137	146	132	134	109	104	114	101	98	124	114	104	112	108	113	115	128	127	123	112
31																										
Среднее по всем дням		134	136	143	153	163	169	173	174	173	169	169	173	172	171	167	166	165	166	167	162	156	151	144	138	161

Ведомство С.В.Ж.Н.Ц.И.
Обсерватория Магадан
Месяц сентябрь Год 1969

Широта 60°04' Долгота 151°01'

Среднемесячн. 2 = 52743°

Элемент Вертикальная составляющая

2 = 52700° + 62 = 134° = 52834°
20 с 1-2 = 52742°
с 3-30 = 52735°

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	76	73	66	66	71	77	78	77	72	72	72	72	71	71	71	71	71
2	67	69	40	68	68	68	71	73	71	70	70	70	70	70	70	69	69
3	58	58	59	64	66	70	70	70	68	68	69	70	71	70	70	69	69
4	67	71	72	71	73	73	77	76	74	72	71	71	71	71	70	70	70
5	74	75	74	75	76	75	74	71	70	70	71	74	78	75	63	56	44
6	82	81	75	80	87	95	102	95	87	86	87	89	83	82	79	78	76
7	74	74	71	71	74	78	79	83	87	91	87	83	79	79	76	74	67
8	72	67	66	71	79	91	99	119	119	122	113	94	86	83	76	71	75
9	75	71	71	74	77	82	86	83	79	79	79	79	75	68	69	73	63
10	73	70	67	70	78	81	82	79	76	75	75	75	76	75	74	74	74
11	71	75	77	81	83	83	86	89	91	91	86	82	81	71	71	74	75
12	73	75	74	75	78	80	80	77	78	77	77	76	75	74	74	74	74
13	75	77	75	74	74	77	76	74	74	74	74	74	75	74	74	73	73
14	78	78	74	74	74	72	72	74	74	74	74	74	75	74	74	74	71
15	58	70	82	86	84	87	90	90	90	94	105	102	96	90	86	73	51
16	79	80	81	78	80	83	87	86	86	83	83	83	82	81	79	78	77
17	79	76	77	75	72	75	75	73	72	73	74	79	86	84	78	75	75
18	75	71	71	71	75	78	79	79	78	78	78	78	77	75	74	67	66
19	74	76	76	74	74	77	78	78	76	77	78	76	75	73	72	72	71
20	79	80	74	71	74	75	78	79	80	79	79	77	74	70	69	57	59
21	70	72	75	74	74	75	78	76	75	74	73	72	72	71	71	69	67
22	70	67	64	63	67	72	75	78	77	75	75	75	74	72	72	71	71
23	78	73	65	65	70	70	70	68	69	70	70	70	70	69	62	67	59
24	69	70	70	70	70	74	73	73	74	75	75	74	73	72	72	71	71
25	72	73	74	74	72	75	79	82	78	75	74	74	74	73	72	66	55
26	70	67	66	65	67	70	75	75	75	74	74	74	72	71	71	71	70
27	70	69	69	68	70	70	70	71	71	71	70	70	70	70	70	67	67
28	59	58	56	55	58	63	66	66	66	70	71	92	123	98	73	78	63
29	63	66	71	74	74	75	78	83	98	113	138	110	62	57	1	-9	39
30	48	73	95	100	101	102	109	109	112	126	137	90	40	48	26	48	9
31																	
Среднее по всем дням	71	72	72	73	75	77	80	80	80	81	82	79	76	74	69	68	66

19	20	21	22	23	Средн. суточн.
73	73	73	73	73	72
71	73	71	70	68	70
71	72	72	69	67	68
72	74	70	65	67	71
78	76	66	67	70	70
76	75	77	74	70	82
66	59	58	62	66	71
78	79	79	75	74	85
73	75	77	79	79	76
71	71	72	70	70	74
75	68	63	66	70	77
74	75	75	74	75	76
72	74	75	72	72	74
70	69	56	48	45	70
62	76	82	83	81	80
75	77	76	76	76	80
72	64	62	63	66	74
28	45	56	59	65	68
72	72	71	72	74	74
58	68	70	71	72	72
69	70	70	71	72	71
71	72	72	72	74	72
56	58	62	53	53	60
71	73	72	70	70	71
67	69	69	67	67	71
70	71	71	71	70	71
69	69	69	68	66	69
29	43	56	61	56	64
9	18	55	71	66	62
-4	20	44	70	77	71
63	66	68	69	69	70

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

Обработал Кодделоская Проверил Сивцева

Ведомство Б.В.Х.Н.И.И.
Обсерватория Магдан
Месяц октябрь Год 1969

Широта 60°04' Долгота 151°01'

Среднемесячн. Д -13°00'00"
Элемент Угол склонения

Д с 1 по 15 = -12°45'4"
с 15 по 31 = -12°48'0"

Д = -12°00'0" + Е с 1 по 15 = 0.462/мм с 15 по 31 = 0.468/мм

Время мировое																							Средн. суточн.	
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
1	62.5	67.1	68.4	67.8	67.3	66.4	63.5	60.3	63.4	59.4	58.4	61.3	56.2	60.2	60.3	64.3	64.3	60.2	60.3	62.9	65.5	64.2	61.7	62.8
2	-	66.9	68.8	68.1	68.2	68.3	66.0	65.1	64.5	61.1	60.4	57.7	59.2	59.4	53.9	56.8	58.8	64.8	64.1	61.4	62.9	63.4	64.3	60.4
3	62.1	64.1	67.1	68.5	68.2	66.4	63.0	62.7	61.7	59.0	59.1	58.3	58.1	54.0	53.7	50.9	56.2	60.0	63.6	60.4	60.1	59.3	60.1	60.8
4	61.1	65.3	66.6	66.9	66.9	64.5	63.4	62.7	61.7	58.8	60.8	60.3	60.1	60.8	61.4	60.8	61.3	59.7	59.7	59.2	59.2	59.4	60.5	61.9
5	62.0	63.6	64.5	66.4	66.6	65.7	64.1	61.7	61.5	61.1	61.5	60.5	61.5	59.7	60.2	60.6	60.3	60.6	61.1	59.9	59.4	58.6	58.3	61.7
6	59.7	62.5	66.4	68.0	69.0	67.5	65.2	64.8	62.0	60.8	56.0	59.7	59.3	61.3	55.7	61.3	56.3	54.1	55.4	58.0	59.7	59.7	60.1	60.6
7	61.5	63.4	66.0	68.3	67.5	67.5	64.8	61.7	60.6	60.6	61.4	61.5	61.3	60.6	60.4	60.5	60.7	59.7	59.6	59.0	58.8	58.3	57.3	61.7
8	57.4	58.8	61.3	63.6	64.8	64.2	63.1	61.5	61.3	61.3	61.1	60.8	60.7	59.1	58.6	58.1	58.3	61.3	59.0	58.1	58.3	58.5	59.5	60.3
9	59.8	60.8	62.2	63.9	64.8	64.9	63.2	62.5	61.4	61.1	60.6	60.6	60.3	60.6	60.4	60.1	59.5	58.3	58.3	56.9	59.7	61.5	57.0	60.6
10	58.6	60.6	63.3	64.5	68.0	66.0	64.2	62.2	63.4	64.6	58.2	62.5	56.1	57.1	59.0	57.1	55.3	57.4	62.8	63.7	63.6	60.5	60.1	61.1
11	61.5	64.3	65.4	65.3	65.7	65.7	64.6	64.0	62.0	61.3	55.5	61.3	59.7	56.6	58.1	60.9	60.8	57.9	59.4	59.7	60.4	59.7	58.9	61.2
12	60.0	62.9	66.7	64.8	64.4	63.9	62.5	58.3	59.7	63.2	62.4	61.6	59.7	58.8	57.5	53.1	56.9	61.1	59.7	60.2	59.8	59.2	59.2	60.6
13	59.7	60.4	62.2	64.2	64.8	64.3	62.1	61.1	60.7	60.9	60.7	60.7	61.1	59.7	59.2	58.4	57.5	56.5	59.8	57.6	58.1	58.1	58.0	60.1
14	58.8	60.4	62.2	63.4	64.2	63.6	62.0	60.8	60.7	60.7	60.6	60.2	60.1	59.5	58.4	58.3	59.1	60.2	58.6	58.3	57.4	56.9	57.5	60.0
15	59.3	61.3	63.4	64.9	65.3	64.6	63.1	61.5	61.2	61.9	61.8	58.7	59.9	59.3	58.6	58.3	58.6	59.1	58.7	59.5	59.6	58.6	58.4	60.6
16	59.3	61.1	62.7	63.9	64.6	63.8	61.4	60.3	60.6	60.5	60.1	60.2	59.7	59.3	59.0	58.6	57.7	56.2	56.6	55.1	57.1	58.2	59.5	59.6
17	61.8	63.7	64.3	65.2	65.0	64.0	62.4	61.5	61.5	61.3	61.2	60.9	60.5	60.1	59.9	59.4	59.0	58.9	59.2	59.6	59.5	62.5	62.2	61.4
18	62.8	63.2	63.5	65.2	65.7	65.8	64.2	63.7	64.3	64.0	59.3	61.8	60.5	60.3	60.1	59.9	59.6	59.4	59.5	59.2	57.9	58.1	57.7	61.5
19	58.5	59.7	62.5	63.4	62.7	62.7	63.3	62.7	62.9	61.8	62.0	60.8	56.9	59.2	57.3	58.8	59.0	59.1	60.4	59.2	58.6	58.8	59.2	60.4
20	60.5	61.6	62.8	64.8	65.1	64.3	62.7	61.5	61.3	61.2	61.1	60.6	60.4	60.1	59.9	59.6	59.4	59.4	59.6	60.0	59.1	58.0	57.7	60.8
21	58.8	61.4	62.6	63.6	63.9	63.4	62.4	62.4	63.2	63.8	62.7	61.3	60.6	60.1	59.9	57.1	52.9	58.3	57.7	58.5	57.9	59.7	59.5	60.5
22	60.4	62.0	63.0	63.3	64.0	65.4	63.2	62.5	62.1	62.1	61.4	61.0	60.7	59.9	60.5	59.0	60.0	59.9	58.7	59.2	59.3	59.4	59.6	61.2
23	60.6	61.5	62.6	63.0	62.9	63.5	62.5	61.5	61.3	61.0	60.6	60.4	60.4	60.2	60.0	59.4	59.4	58.9	58.7	58.5	61.3	57.4	57.6	60.5
24	59.5	62.7	66.7	67.6	66.2	66.9	65.7	67.0	66.9	66.5	60.6	60.4	60.4	56.4	59.2	58.1	58.7	57.8	60.1	59.1	57.9	58.8	58.2	61.7
25	57.8	59.4	62.3	63.7	64.0	64.1	62.0	61.9	61.6	61.3	60.6	60.5	60.1	59.9	60.0	60.0	59.9	59.7	60.1	60.0	60.5	57.6	57.7	60.7
26	58.7	61.0	63.2	64.1	64.0	63.7	62.8	63.2	62.7	61.3	60.9	60.5	60.0	59.9	59.7	59.5	59.5	59.2	58.9	57.6	56.8	56.2	57.1	60.4
27	59.3	61.8	63.7	64.6	64.4	63.6	62.0	61.4	62.0	61.3	60.6	60.5	59.5	58.3	58.5	58.8	57.7	57.8	58.2	62.9	61.3	57.9	60.4	60.6
28	60.1	63.8	66.6	67.2	65.0	63.3	62.6	62.3	62.0	61.8	61.0	60.6	60.4	60.0	59.3	57.8	56.4	58.6	59.1	57.8	58.5	58.7	58.7	60.8
29	59.9	62.1	64.3	65.1	64.9	63.7	62.3	61.8	61.9	61.4	61.0	60.6	60.2	60.1	59.7	59.8	59.6	59.3	60.9	59.3	58.2	58.2	59.0	61.0
30	60.1	61.1	62.3	63.5	63.9	63.2	62.3	61.4	61.1	60.9	60.8	60.7	60.7	60.5	60.0	59.6	59.4	59.2	59.2	59.2	58.9	58.2	58.5	60.6
31	59.3	60.4	62.0	63.8	64.6	63.2	62.8	63.0	62.4	64.0	62.4	60.6	59.0	59.1	56.4	58.5	58.5	59.9	59.9	59.5	58.8	58.7	58.3	60.6
Среднее по всем дням	58.2	62.2	64.2	65.3	65.4	64.8	63.2	62.2	62.1	61.6	60.5	60.6	59.8	59.4	58.9	58.8	58.4	59.1	59.5	59.4	59.5	59.0	59.1	60.9

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

Обработал Саванчеева Проверил Затворкина

Время-ми- ровое Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.		
1	126	112	118	134	142	145	147	145	147	143	161	146	149	149	152	154	158	159	154	154	150	148	153	143	145
2	-	104	120	140	150	149	145	141	126	161	121	124	132	120	114	93	122	148	155	152	153	155	154	147	136
3	139	128	116	122	140	149	153	149	151	147	152	155	159	114	112	108	120	151	153	152	159	159	151	141	141
4	130	120	129	143	155	155	163	165	164	155	163	158	161	162	172	164	167	171	157	162	161	159	157	151	156
5	138	137	137	147	157	167	169	169	165	162	160	165	177	169	167	170	172	173	174	172	172	171	162	150	162
6	139	134	138	144	157	165	168	164	163	167	163	168	166	171	164	169	173	171	165	162	161	163	154	143	160
7	139	141	137	134	155	167	163	159	163	171	167	169	173	169	170	170	172	171	169	167	169	171	167	155	162
8	143	136	137	141	151	163	173	175	172	176	177	177	175	180	172	175	177	174	171	171	171	173	166	159	166
9	149	143	143	146	153	163	169	171	171	173	174	173	173	173	176	176	176	179	178	183	171	173	181	170	168
10	161	160	149	149	159	156	164	176	172	167	137	148	149	154	160	159	153	157	170	162	171	175	160	150	159
11	139	133	138	145	159	163	163	159	164	163	159	164	159	147	151	162	171	159	157	163	167	165	161	153	157
12	148	133	132	148	163	167	171	151	161	162	161	161	151	134	153	141	144	157	165	163	164	166	165	159	155
13	153	147	146	153	161	169	173	169	176	176	163	161	167	166	171	169	167	166	163	167	171	173	167	157	165
14	151	146	149	157	169	180	182	180	180	180	180	180	180	180	180	174	175	177	175	169	171	169	165	154	171
15	143	139	141	153	164	171	173	175	176	178	173	168	173	176	176	178	179	183	178	174	175	177	176	168	169
16	162	159	158	162	172	179	177	182	186	184	186	184	184	180	175	172	174	163	159	164	173	168	170	161	172
17	152	149	147	153	162	172	174	174	174	174	174	178	180	180	180	181	180	178	178	178	176	173	166	166	171
18	149	139	133	137	149	168	170	167	170	171	180	168	172	174	174	174	174	174	173	173	177	182	180	174	167
19	163	155	155	162	174	180	186	182	168	178	178	174	157	149	164	170	168	173	168	167	166	168	166	154	168
20	151	145	144	148	163	174	177	176	176	176	176	178	178	178	178	178	177	178	174	174	172	170	173	165	170
21	154	151	156	164	171	181	182	184	176	166	172	176	179	178	177	184	162	159	170	166	166	160	155	154	168
22	151	153	155	159	168	170	170	175	174	170	170	173	172	182	176	174	169	175	174	170	170	169	168	164	169
23	163	161	162	164	167	173	176	178	178	177	177	179	180	179	179	180	178	174	175	175	178	176	170	157	173
24	148	149	150	155	164	170	175	178	168	170	174	176	159	166	172	170	167	170	164	169	170	168	159	149	165
25	154	157	157	158	162	162	170	172	171	169	170	173	174	176	176	178	178	178	176	173	162	166	162	149	168
26	139	133	141	151	166	172	178	178	171	176	177	178	178	178	178	180	178	177	176	176	179	175	166	153	169
27	147	146	156	168	176	180	184	187	180	179	176	180	179	176	167	176	175	174	172	171	168	173	168	155	171
28	147	144	146	157	170	174	178	176	174	174	176	176	178	178	178	179	180	167	166	170	161	166	162	153	168
29	147	147	150	155	165	172	174	175	176	176	178	178	179	179	180	179	178	176	174	171	174	171	169	163	170
30	154	149	150	158	167	174	176	175	177	177	177	177	177	177	177	177	176	176	176	176	175	174	171	166	171
31	158	154	153	155	166	172	171	166	157	166	159	147	149	149	151	162	163	166	166	167	170	169	165	157	161
Среднее по всем дням	148	142	143	150	161	168	171	170	169	170	168	168	168	166	167	167	168	169	169	168	169	169	165	156	164

Ведомство С.В.У.ИИИОбсерватория МагаданШирота 60°04 Долгота 151°01Элемент Вертикальная составля.Среднемесячн. 2 = 52773Месяц Октябрь Год 19692 = 52700 +
$$62 = 1.34 \frac{90.22}{1} = \frac{20 \text{ с } 1 \text{ по } 15 = 52735}{20 \text{ с } 16 \text{ по } 31 = 52737}$$

$$C_{22/15} - 8/1 = 7.337 \text{ мм}$$

Время мировое																								Средн. суточн	
Дни		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
1	83	83	86	86	87	87	94	98	95	91	83	82	68	72	75	68	50	53	62	70	71	72	70	71	77
2	-	88	87	87	87	91	99	103	114	107	93	90	71	78	59	22	9	38	57	71	79	82	83	86	77
3	87	87	84	88	90	94	95	91	90	87	87	86	70	62	53	44	46	58	57	69	75	80	82	83	77
4	86	87	85	84	84	87	87	87	84	83	83	83	82	81	76	74	76	68	59	71	74	78	81	82	80
5	82	79	77	78	79	82	84	83	82	82	83	85	79	76	77	76	74	74	72	68	70	70	73	75	78
6	78	79	78	79	83	84	86	87	85	82	82	80	79	72	63	51	43	28	25	36	48	55	63	70	67
7	75	74	74	74	74	78	82	83	82	79	79	79	77	76	76	75	75	74	72	72	74	75	76	77	77
8	75	75	75	72	71	75	77	77	77	77	76	75	75	74	72	72	71	68	68	65	67	69	70	71	73
9	74	72	71	73	72	74	78	78	77	76	76	76	75	75	74	72	72	71	72	71	70	65	59	62	72
10	66	67	68	73	74	76	76	78	79	87	107	103	86	77	78	67	62	59	58	44	40	47	56	63	70
11	66	69	72	71	75	78	82	82	82	83	83	81	82	74	74	73	68	70	73	75	76	75	72	72	75
12	75	79	81	79	78	76	78	79	82	83	85	86	86	83	70	62	66	72	74	75	78	78	75	75	77
13	76	76	74	74	75	79	79	78	77	76	78	83	80	79	78	75	73	71	70	71	70	71	71	72	75
14	74	74	72	70	71	71	73	72	72	72	72	71	71	71	71	71	71	69	68	66	68	70	71	73	71
15	73	75	75	73	74	75	75	75	74	74	74	75	75	74	71	71	70	67	66	67	70	70	70	69	72
16	72	73	73	73	73	73	74	73	72	72	72	72	72	73	73	73	69	60	63	65	60	60	58	60	69
17	63	69	73	74	76	77	76	74	73	73	73	72	70	69	69	68	68	67	67	68	70	71	69	65	71
18	69	72	76	76	76	77	79	78	80	80	80	77	77	76	75	73	73	73	73	73	73	74	74	74	75
19	74	73	76	75	76	75	76	76	77	76	76	77	82	84	80	76	74	71	68	69	72	74	76	73	75
20	73	76	77	76	77	77	77	76	76	74	73	73	73	72	72	72	72	71	71	71	70	72	72	72	74
21	74	76	73	74	74	76	75	74	75	79	80	77	75	73	73	68	60	65	64	66	69	72	68	64	72
22	66	69	71	73	72	75	74	75	75	76	77	76	77	73	67	68	69	68	64	65	68	71	71	72	71
23	73	73	74	75	73	73	73	73	73	72	72	72	72	72	71	71	70	70	69	70	72	73	72	71	72
24	73	75	73	75	78	77	80	80	82	87	84	80	82	80	77	75	73	72	71	73	73	76	74	72	77
25	71	69	70	72	73	75	77	76	76	76	76	73	73	72	72	71	71	71	72	72	74	76	74	73	73
26	72	70	69	72	72	72	73	73	74	74	73	72	71	71	71	70	69	69	70	70	70	71	71	71	71
27	72	68	68	70	70	69	72	71	71	72	72	71	71	71	71	70	71	69	69	69	71	63	64	68	70
28	68	71	70	73	72	72	74	73	73	73	72	72	72	72	72	72	69	61	65	65	64	65	64	65	69
29	66	69	72	72	71	74	73	73	73	72	72	72	70	70	70	69	69	69	70	69	68	68	69	70	70
30	69	70	72	71	69	71	72	72	71	71	71	71	71	71	70	70	69	69	69	69	70	72	72	72	70
31	70	69	71	71	71	72	73	73	75	76	79	80	80	74	71	71	69	72	73	73	74	74	74	75	74
Среднее по всем дням	73	74	75	75	76	77	79	79	79	79	79	78	76	74	72	68	66	66	66	68	69	71	71	72	73

*) Сомнительные экстремальные сверехи.
Случаи равенства за счёт округления
при редукции.

Ведомство СВЮНИИ Среднемесячн. Q -13°00'6
 Обсерватория Магадан Широта 60°07 Долгота 151°01 Элемент Угол склонения
 Месяц ноябрь Год 1969 Q = -12°00'00 = G D = 0.468' / мм Q o c 1-30 = -12°48'0

Время мировое																							Средн. суточн.		
Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	59.3	61.6	62.4	62.6	63.0	62.8	61.8	61.4	61.2	61.0	60.8	60.5	60.5	60.2	59.6	59.3	59.3	59.0	58.8	58.9	58.7	57.9	57.0	56.9	60.2
2	58.6	62.9	63.8	64.7	63.9	63.8	61.9	61.6	62.2	61.8	60.8	61.7	60.7	60.3	56.9	58.6	56.3	55.7	59.1	64.7	59.3	58.6	57.4	61.0	60.7
3	64.0	64.0	63.0	63.6	63.7	64.8	66.1	65.1	60.7	60.0	61.0	60.9	60.8	57.3	61.0	59.1	59.1	60.0	59.5	59.4	61.6	61.9	58.1	58.1	61.4
4	60.0	61.8	62.8	64.7	64.4	62.6	61.9	61.9	61.7	60.5	60.0	60.7	60.2	59.5	60.1	60.7	60.7	60.9	61.4	59.8	59.5	57.9	57.2	58.2	60.8
5	60.5	62.4	63.2	65.2	64.4	63.9	61.9	62.0	61.9	61.2	61.0	60.4	60.1	59.7	58.1	58.1	58.0	58.6	58.6	58.8	58.6	58.1	57.2	57.2	60.4
6	58.6	60.3	61.0	61.4	61.9	61.6	61.4	60.8	60.6	60.8	60.7	60.5	60.1	60.0	59.7	59.5	59.4	59.0	59.1	58.7	57.7	57.6	57.7	56.3	59.8
7	58.5	59.1	61.4	62.6	62.8	64.2	64.6	64.2	62.8	64.4	61.6	59.5	55.7	58.5	60.2	60.0	58.7	59.4	60.5	60.0	61.7	61.9	60.9	61.2	61.0
8	62.2	62.6	62.5	62.4	62.9	62.3	62.1	61.3	61.1	61.4	61.0	61.2	61.3	60.8	59.1	53.8	57.6	60.2	56.0	57.9	61.0	63.3	63.0	64.2	60.9
9	64.0	63.5	63.1	62.6	63.5	63.8	66.2	65.2	63.8	48.8	52.3	61.2	66.3	62.1	61.9	59.5	60.2	62.8	52.7	54.4	58.8	59.7	60.5	61.4	60.8
10	62.4	62.8	63.5	64.0	64.7	63.0	64.0	63.4	62.6	62.1	63.5	60.5	47.1	52.3	63.8	64.7	62.4	60.9	63.2	60.7	58.8	62.8	61.9	61.2	61.5
11	63.1	63.3	63.4	62.8	63.0	62.5	61.6	61.0	60.0	60.2	60.5	61.4	61.6	61.0	59.3	62.7	58.6	59.1	60.5	61.4	61.2	60.0	59.5	59.6	61.1
12	62.8	65.4	63.6	63.1	63.5	62.6	61.8	61.2	61.9	61.2	61.2	62.0	61.3	60.5	60.8	60.8	60.2	60.7	58.8	59.3	59.5	59.5	59.8	60.9	61.4
13	60.8	61.9	62.1	62.6	62.5	61.6	61.2	61.2	61.8	62.6	62.6	61.6	60.5	59.4	58.7	58.7	58.1	57.2	58.8	59.3	59.7	59.5	60.5	60.4	60.6
14	61.2	62.6	62.9	63.3	63.3	62.2	61.6	61.3	61.3	61.1	61.2	61.0	60.7	60.5	60.5	60.4	60.2	60.1	60.0	59.8	59.9	59.7	59.5	59.4	61.0
15	59.7	61.0	62.3	62.8	63.0	62.3	61.2	61.0	60.9	60.9	60.7	60.5	60.4	60.1	60.0	59.7	59.6	59.5	59.5	59.3	59.4	59.6	59.3	58.7	60.5
16	59.3	60.7	60.7	61.4	61.7	61.5	60.7	60.2	60.7	60.9	60.5	60.2	59.9	59.7	59.4	59.3	58.9	59.0	57.5	58.3	58.8	59.0	58.8	57.8	59.8
17	59.1	60.4	61.4	62.6	62.8	61.6	60.6	60.2	59.7	59.6	60.0	60.0	59.9	59.9	59.7	59.7	59.1	57.3	58.1	58.9	59.1	59.1	58.3	58.8	59.8
18	60.0	60.7	61.6	61.4	61.9	61.6	60.7	60.4	60.4	60.0	60.7	60.0	60.5	59.4	59.3	58.7	58.8	61.0	59.5	58.8	59.1	59.1	58.3	58.5	60.0
19	59.6	61.2	61.2	61.6	62.1	62.2	61.6	61.4	61.2	61.1	60.3	60.5	59.3	56.5	58.1	59.0	59.5	60.4	61.2	59.1	62.4	60.7	60.6	61.9	60.5
20	61.2	62.3	62.6	62.8	61.9	61.5	61.9	61.2	61.0	61.6	61.4	60.5	60.2	60.2	60.0	59.4	59.3	59.5	59.6	59.9	60.0	60.0	59.6	58.1	60.7
21	58.3	59.2	60.1	60.9	61.3	61.2	60.3	60.3	60.5	60.4	60.2	60.0	59.5	60.1	57.9	57.7	59.3	59.6	59.4	59.6	59.5	59.4	59.5	59.5	59.7
22	60.2	60.4	61.3	62.7	62.7	62.1	61.2	60.7	60.5	60.1	60.2	59.7	59.3	58.3	57.4	57.9	58.3	58.2	57.4	57.3	58.6	59.1	60.5	60.7	59.8
23	61.2	61.6	62.3	62.4	62.5	61.7	60.7	60.3	60.2	60.3	60.3	60.2	59.9	59.5	59.4	59.1	59.1	58.0	58.2	58.2	58.3	59.3	61.2	60.5	60.2
24	60.7	61.0	61.2	62.1	61.9	60.6	60.2	60.0	60.5	57.7	59.5	61.2	60.0	60.0	58.1	58.0	58.1	61.4	58.3	58.1	59.3	60.3	60.2	60.9	60.0
25	61.9	62.0	61.5	61.3	61.2	61.9	61.9	61.2	62.4	61.4	60.7	57.4	60.2	59.7	60.0	60.0	56.7	56.9	58.1	58.8	58.8	59.1	60.1	61.0	60.2
26	63.1	64.3	64.2	65.6	65.2	62.9	61.6	61.0	60.4	60.5	60.2	60.2	60.2	60.5	60.1	58.9	55.8	49.7	51.3	55.7	58.8	61.2	61.4	61.4	60.2
27	62.1	62.1	61.6	62.1	62.7	65.0	62.4	62.4	59.4	61.0	59.1	61.0	56.7	55.9	58.5	64.4	58.6	62.1	59.4	55.8	60.0	62.1	63.0	65.6	61.0
28	67.5	65.8	65.4	64.2	64.6	62.8	62.7	62.4	59.3	59.5	61.0	60.9	60.5	58.3	60.7	60.7	60.5	60.7	61.2	61.1	58.6	60.7	64.2	60.7	61.8
29	62.1	62.6	62.4	62.6	62.6	61.6	61.6	63.3	61.5	61.2	60.0	59.3	60.4	55.5	58.3	59.3	57.5	59.9	62.8	60.7	66.6	64.0	62.4	64.7	61.4
30	66.1	67.7	69.8	66.3	64.0	63.0	61.5	58.8	58.8	59.3	61.9	62.0	61.9	61.8	61.2	61.2	55.5	55.6	57.9	61.8	61.6	60.5	61.4	62.4	61.8
31																									
Среднее по всем дням	61.3	62.2	62.6	62.9	63.0	62.5	62.0	61.5	61.0	60.4	60.5	60.6	59.8	59.2	59.6	59.6	58.8	59.1	58.9	59.2	59.8	60.1	60.0	60.2	60.6

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

Обработал Сивцева

Проверил Богдальский

Ведомство БВЖИИОбсерватория МагаданШирота 60°07' Долгота 151°01'Среднемесячн. H = 18067Месяц ноябрь Год 1969Элемент Горизонтальная составляющая $H = 17900^\circ + \delta H = 2.04^\circ H_0 = 17970^\circ$

Время мировое																							Средн. суточн		
	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22		23	
1	145	139	141	149	159	164	142	173	143	143	144	175	176	176	178	179	178	180	180	179	177	170	160	169	
2	151	151	156	162	167	171	171	172	167	165	164	172	175	177	177	175	159	157	160	167	171	169	161	142	165
3	144	148	156	157	161	157	162	157	154	163	167	169	169	169	173	174	170	172	171	169	166	163	165	155	163
4	148	143	143	147	159	164	169	166	168	166	153	157	165	169	172	173	173	174	174	171	167	165	159	149	162
5	143	138	142	155	165	170	171	172	171	173	176	180	179	178	179	175	176	175	177	177	179	179	172	167	170
6	159	158	159	166	172	175	176	177	178	179	179	180	180	179	179	179	179	179	178	181	185	183	181	179	176
7	179	173	165	167	164	161	161	159	156	147	155	148	143	163	175	174	173	179	170	173	179	174	171	163	166
8	155	157	158	159	165	167	159	161	165	163	163	166	171	176	172	171	165	176	181	190	168	171	173	163	167
9	162	161	158	159	153	164	135	129	142	135	173	120	146	152	136	121	151	166	163	163	160	157	157	159	151
10	161	158	157	158	156	165	151	159	172	154	150	167	187	161	137	155	159	151	151	151	146	141	151	147	156
11	154	147	147	155	159	163	163	158	167	162	169	176	168	168	174	187	163	161	161	161	167	165	167	163	164
12	149	149	157	159	162	166	170	171	169	162	163	168	166	174	170	170	169	171	164	165	166	166	163	160	165
13	157	155	159	162	169	174	175	173	171	169	169	174	173	167	172	167	162	158	157	161	162	160	157	159	165
14	156	153	151	157	161	167	169	169	171	170	170	171	171	170	169	169	169	168	167	167	167	167	165	161	166
15	155	151	153	159	165	170	173	173	173	173	174	174	174	174	175	175	174	174	172	172	173	173	172	169	170
16	164	164	163	168	175	178	178	177	175	173	175	176	178	179	180	179	179	180	179	177	177	176	175	171	175
17	164	164	167	170	179	182	181	179	180	180	181	179	179	177	176	176	174	174	170	172	173	175	175	171	175
18	165	159	163	167	171	181	179	178	178	178	180	178	175	174	178	177	179	183	174	173	177	178	174	168	174
19	163	163	166	167	172	176	176	175	176	175	176	174	169	172	172	172	173	176	181	179	181	185	177	167	173
20	160	154	154	161	169	173	173	174	175	175	172	173	174	173	174	173	175	175	175	177	177	176	174	168	171
21	161	158	160	165	171	175	176	178	178	177	177	177	176	176	175	175	175	176	176	177	177	176	175	171	173
22	168	163	164	177	182	182	177	180	183	182	182	182	183	184	183	175	176	177	171	167	168	172	175	171	176
23	165	166	168	173	174	181	181	179	180	181	179	180	180	183	182	180	179	174	175	169	175	169	169	169	175
24	165	164	164	168	170	173	174	175	176	168	178	174	173	179	179	172	169	171	173	170	168	170	169	166	171
25	165	167	167	170	174	178	175	170	174	174	177	177	177	177	173	173	188	166	164	161	162	159	163	164	170
26	164	161	149	154	164	169	169	171	171	171	172	173	174	173	173	181	176	152	154	155	168	175	169	167	167
27	170	175	173	174	168	134	148	154	146	123	114	146	161	120	130	142	151	153	162	157	155	155	154	149	151
28	154	148	147	153	158	160	161	155	156	165	168	168	165	165	170	173	172	170	172	171	168	163	169	161	163
29	156	151	150	156	162	165	165	148	155	162	161	169	166	175	162	164	167	151	164	161	170	166	173	162	162
30	136	131	134	139	155	161	157	155	155	152	161	164	163	163	163	166	158	162	155	157	159	162	157	152	155
31																									
Среднее по всем дням	158	156	156	161	166	169	168	167	168	166	168	170	171	171	170	171	170	169	169	169	170	169	168	162	167

1) Солнечные экстремальные свечения.
Случаи равенства за счёт округления при редукции.

Ведомство Б.В.Ж.М.И.

Обсерватория Магадан

Широта 60°07 Долгота 151°01

Среднемесячн. 2 = 52768

Элемент Вертикальный состав воздуха

Месяц ноябрь Год 1969

2 = 52700 + $\delta_2 = 1.35/мм$ = 20 = 52734

Время мировое																								Средн		
Дни		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	суточн		
1		73	74	76	78	77	76	75	73	73	72	72	71	71	71	70	69*	69*	69*	69*	69*	71	73	74	72	
2		74	73	73	72	71	73	73	73	72	73	73	73	72	70	65	49	38	41	52	58	57	65	72	77	66
3		79	78	77	77	79	80	82	85	87	84	80	76	74	73	67	57	55	61	65	68	68	68	67	73	
4		66	68	70	72	73	74	76	75	75	75	77	80	76	73	69	70	70	70	69	67	68	69	72	72	
5		73	73	73	73	73	76*	74	73	73	73	72	72	70	70	69	76	60	65	68	68	68	69	70	69	71
6		69	69	70	68	68	69	69	69	68	68	68	68	68	68	67	68	68	67	67	67	66	66	67	64	68
7		63	61	66	64	67	71	73	73	75	83	81	80	75	75	72	72	70	69	69	69	68	64	61	61	70
8		64	68	69	69	69	71	72	74	74	74	73	72	72	70	68	60	59	50	36	36	36	46	52	59	62
9		62	65	72	69	69	76	92	101	97	95	60	76	72	59	15	34	46	57	51	53	60	66	68	68	63
10		69	72	73	71	72	73	76	80	80	82	91	87	74	81	69	56	42	45	46	34	36	60	70	73	67
11		73	73	74	76*	76*	75	74	73	73	72	74	68	68	69	62	49	53	62	64	69	69	69	69	69	69
12		73	77*	75	74	74	76	74	73	73	73	73	74	74	72	69	69	70	64	63	67	69	70	71	72	72
13		69	68	69	68	69	72	72	71	72	73	74	74	73	74	72	69	68	65*	66	68	70	71	71	70	70
14		70	74	74	74	73	73	72	72	72	72	72	71	70	70	69*	69*	69*	69*	69*	70	71	72	73	74	72
15		73	75	76	74	73	73	73	72	71	70	69	69	69	68	68	68	68	68	68	68	69	69	68	70	
16		66	69	70	69	69	68	69	68	68	68	68	68	68	68	67	66	65	64	64	84	65	67	68	68	67
17		70	72	73*	72	72	70	69	68	68	67	67	67	67	67	67	67	66	66	66	66	67	68	69	71	69
18		72	73*	73*	72	71	71	69	68	69	68	68	68	69	69	69	68	68	62	57	63	65	68	70	72	68
19		72	72	72	71	71	73	71	70	69	69	69	69	70	68	67	66	65	64	59	58	59	53	59	66	67
20		69	69	70	72*	70	70	71	70	70	71	71	70	69	69	69	68	68	68	68	68	67	68	69	71	69
21		71*	71*	70	69	69	70	69	68	68	67	67	67	67	68	65	64	64	65	66	66	66	67	64	68	67
22		68	70	72	68	68	68	65	65	66	66	66	65	65	65	66	66	66	68	65	61	61	61	62	66	66
23		68	71	72	68	68	69	67	66	65	65	65	65	65	65	65	65	65	60	56	57	58	60	63	65	65
24		68	72	72	68	66	68	67	66	66	66	65	66	66	65	59	61	64	65	64	65	66	65	65	65	66
25		66	69	69	68	69	69	69	68	68	69	69	68	68	69	68	63	57	63	65	67	68	68	68	64	67
26		64	64	68	70	73*	73*	72	72	71	70	70	69	68	68	68	68	61	49	44	52	58	60	60	62	65
27		65	68	68	68	69	71	75	76	80	86	87	85	73	53	58	34	29	50	38	40	52	65	72	76	64
28		77	78	80*	77	76	76	75	75	75	75	73	72	71	70	68	68	68	68	69	66	65	67	69	68	72
29		71	77	77	76	76	76	73	75	77	77	77	77	74	72	61	57	60	53	34	37	45	49	58	64	64
30		70	76	80	80	82	82	88*	80	80	81	78	75	73	73	72	63	43	40	72	52	61	66	69	72	70
31																										
Среднее по всем дням		70	71	73	72	72	73	73	73	73	73	72	72	70	69	65	60	60	61	59	60	62	65	64	68	68

*) Сомнительные экстремальные сверенки
Случаи равенства за счет округления при редукции

Ведомство СВ К Н ИИ Среднемесячн. Do = -13°00'2
 Обсерватория Магадан Широта 60°07' Долгота 151°01' Элемент Угол склонения
 Месяц декабрь Год 1969 Do = -12°00'00" = 6 Dec-21 = 0.468/мм с 22-31/II - 0.465/мм
Do с 1-24 = -12°48'0
с 25-31 = -12°48'1

Время мировое																							Средн суточн		
	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22		23	
1	62.9	63.0	62.8	62.9	62.6	61.7	61.2	61.0	61.2	61.4	61.5	60.0	60.5	59.8	59.8	59.6	57.9	58.7	60.7	60.5	61.2	61.1	60.6	60.7	61.0
2	61.7	62.5	62.9	63.0	62.8	61.8	60.9	61.2	59.9	60.7	61.0	60.6	60.0	59.6	61.6	60.0	59.8	59.5	58.9	59.8	59.5	59.6	59.9	60.2	60.7
3	61.0	61.6	62.3	62.6	62.3	61.2	60.5	60.4	60.5	60.5	60.5	60.5	60.2	60.0	59.9	59.6	59.4	59.2	59.3	59.6	60.3	59.8	59.1	59.4	60.4
4	61.4	61.5	62.1	62.8	62.6	61.5	60.3	60.4	60.5	60.7	60.9	60.0	60.4	57.7	56.9	58.3	60.5	58.6	58.6	58.1	59.6	59.3	59.8	60.0	60.1
5	59.8	60.7	61.0	61.4	61.1	60.8	60.0	60.1	60.0	60.5	60.2	55.8	60.6	57.9	55.7	57.2	58.8	51.9	52.5	58.1	66.6	65.5	63.8	63.0	59.7
6	64.2	65.4	66.8	65.1	65.3	66.8	64.2	62.8	61.6	59.4	58.3	58.6	60.7	59.8	57.0	57.9	60.0	60.1	60.2	60.2	62.8	62.6	61.9	61.0	61.8
7	61.1	61.2	61.4	62.1	62.1	61.2	61.0	60.8	61.0	59.2	58.7	60.8	60.7	60.7	60.2	59.8	59.8	59.9	60.0	59.8	59.5	61.8	61.1	59.8	60.6
8	60.0	61.0	61.6	62.1	62.1	61.4	61.1	60.7	61.0	60.9	60.6	60.3	60.0	59.9	59.8	59.3	59.1	60.1	59.6	59.3	60.7	59.8	59.2	60.7	60.4
9	61.2	61.6	62.2	62.1	62.3	61.0	60.6	59.8	60.0	59.8	59.9	59.5	58.1	59.3	57.9	58.9	60.5	58.1	59.3	59.6	59.6	59.8	61.1	60.6	60.1
10	60.9	61.0	61.2	61.9	62.1	61.2	60.5	60.5	60.8	60.9	60.8	60.5	60.0	60.0	60.2	59.9	60.4	59.3	58.8	58.8	61.4	63.8	66.2	63.5	61.0
11	65.8	62.6	63.3	62.3	62.6	62.2	63.1	60.9	61.8	60.9	61.2	60.7	60.0	59.6	59.1	57.7	58.3	58.7	56.8	58.9	60.1	59.8	60.2	60.6	60.7
12	61.9	62.3	63.0	64.9	64.0	62.9	62.2	61.4	60.8	60.1	60.0	60.2	58.4	60.7	60.1	59.9	59.6	59.8	59.7	59.4	59.6	59.7	59.7	59.8	60.8
13	60.6	61.9	62.9	63.3	61.8	60.8	60.0	59.4	60.2	59.9	59.8	59.6	59.6	59.6	59.7	58.9	59.2	58.8	58.6	58.7	58.7	59.6	60.0	60.7	60.1
14	61.1	61.3	61.6	61.9	61.0	60.2	59.7	59.3	59.4	59.7	59.3	59.2	59.8	60.2	59.8	57.3	57.7	58.3	58.1	58.0	58.0	58.4	58.8	59.8	59.5
15	61.1	61.3	61.9	61.6	61.4	60.8	59.8	59.3	59.8	59.8	58.7	60.0	59.9	59.4	58.9	58.6	57.9	58.8	59.8	61.0	58.7	58.0	59.1	59.6	59.8
16	62.4	65.2	63.3	62.9	61.0	61.6	61.1	62.4	60.2	61.2	60.0	57.9	60.2	59.2	58.9	55.5	52.9	59.1	60.0	60.5	62.8	58.4	59.1	59.8	60.2
17	60.4	60.8	61.8	61.8	61.3	60.5	60.2	59.8	60.0	60.2	59.9	60.0	60.4	59.8	59.9	59.5	58.8	58.9	58.5	58.9	59.8	59.6	59.2	59.2	60.0
18	60.0	59.8	60.4	61.7	61.9	61.2	60.2	60.2	60.1	59.8	59.7	59.6	59.4	59.3	59.3	59.5	59.6	59.5	59.1	59.7	59.3	58.8	58.5	58.8	59.8
19	59.5	59.6	60.2	61.6	61.5	60.0	60.0	59.8	59.8	59.6	59.4	59.5	59.6	59.4	58.6	58.7	58.3	58.8	59.0	58.1	58.9	58.9	58.8	58.4	59.4
20	59.3	59.3	59.8	61.0	61.2	61.0	59.8	59.4	59.3	59.3	58.9	58.8	58.9	59.0	59.0	59.1	58.8	58.5	58.9	59.6	59.3	59.3	59.1	59.3	59.4
21	60.2	60.9	61.4	62.2	61.6	60.7	60.0	59.6	59.3	59.4	59.4	59.3	59.3	59.5	59.3	58.9	57.8	58.8	59.0	59.1	59.6	59.4	58.9	58.9	59.7
22	58.8	59.9	60.3	61.2	61.3	61.3	60.1	60.8	61.7	59.3	59.0	59.2	59.7	59.0	57.6	56.6	56.9	58.3	58.9	59.1	59.3	58.9	58.9	59.3	59.4
23	59.9	60.0	60.3	61.0	60.8	60.8	60.0	60.3	61.3	59.9	61.3	61.1	59.9	59.7	58.5	57.8	58.9	59.2	57.6	58.8	59.8	59.4	61.4	62.7	60.0
24	62.1	64.0	62.7	61.6	60.9	59.9	59.9	60.0	59.9	60.3	60.8	58.5	58.2	59.2	60.4	60.1	60.0	59.9	59.4	60.8	59.3	60.8	59.4	59.9	60.3
25	59.8	60.2	60.9	61.6	61.6	61.2	61.5	61.2	59.8	61.8	60.7	60.7	59.9	57.0	59.5	60.2	57.4	59.0	60.0	59.3	59.4	60.0	60.8	62.1	60.3
26	62.1	62.3	61.7	61.7	60.8	60.7	59.8	59.8	60.5	60.4	59.4	58.1	60.2	60.2	59.8	59.0	60.5	55.6	58.4	60.2	59.3	59.4	59.8	60.9	60.0
27	63.0	64.1	63.4	62.0	61.4	60.5	60.0	60.3	60.0	60.0	54.7	56.7	60.2	60.8	60.4	60.2	60.2	61.6	62.1	60.7	60.3	60.3	60.0	59.8	60.5
28	60.2	60.7	61.6	61.6	61.2	60.7	60.4	60.3	60.0	60.3	59.3	59.5	60.6	60.3	59.8	59.8	59.3	61.8	59.0	59.2	59.5	60.2	60.0	59.5	60.2
29	60.9	61.2	61.8	61.8	61.4	60.8	60.1	60.0	60.0	59.8	59.5	60.4	60.2	60.4	60.4	59.8	59.9	60.4	59.8	59.8	59.8	59.6	59.0	59.0	60.2
30	59.0	60.0	61.2	62.0	62.0	61.6	60.3	60.0	59.8	59.7	59.8	60.0	60.1	60.3	60.2	60.7	60.0	60.0	60.0	60.2	59.4	59.3	58.8	58.7	60.1
31	59.0	59.8	61.4	61.6	61.0	60.3	60.0	59.8	59.7	60.0	60.2	60.0	60.0	60.1	60.2	59.9	60.0	60.7	60.1	59.8	59.5	59.9	59.3	59.3	60.1
Среднее по всем дням	61.0	61.5	61.9	62.2	61.8	61.2	60.6	60.4	60.3	60.2	59.8	59.5	59.9	59.6	59.3	59.0	59.1	59.1	59.1	59.5	60.1	60.0	60.0	60.2	60.2

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

Обработал Богдальская Проверил Субарева

Ведомство С.В.Ф.Н.И. Среднемесячн. М = 18073
 Обсерватория Магадан Широта 60°04 Долгота 151°01 Элемент Горизонтальная составляющая
 Месяц декабрь Год 1969 М = 17900 + $E_H = 1 - 4 = 2.04 \text{ } \mu\text{м} = 5 - 31 = 2.05 \text{ } \mu\text{м}$ М₀ = 17940

Время мировое																								Средн суточи		
Дни		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1		149	150	153	155	159	163	164	166	163	161	163	169	163	157	161	162	155	161	162	162	163	164	161	155	160
2		151	149	151	159	163	166	167	165	160	167	167	166	165	163	170	168	169	169	169	169	171	171	170	162	164
3		156	155	161	167	173	176	176	175	175	175	175	175	175	175	177	177	177	176	175	175	176	179	175	173	173
4		166	161	161	167	176	187	189	181	181	179	171	165	168	173	157	165	183	177	176	178	180	177	175	174	
5		169	163	161	169	178	178	171	177	180	176	155	173	179	171	138	150	172	161	161	165	180	175	169	169	166
6		155	151	143	155	161	149	159	163	157	151	169	166	167	182	180	160	159	165	168	167	165	167	171	163	162
7		158	155	159	164	169	171	169	169	169	168	165	169	171	169	169	171	171	172	176	176	173	173	173	170	169
8		166	163	161	164	173	174	173	175	172	173	175	173	173	173	175	175	176	178	176	176	177	180	178	171	173
9		171	169	169	178	184	193	190	184	180	182	181	182	173	173	169	167	169	176	171	171	171	169	171	165	175
10		163	165	165	167	173	176	176	176	173	176	176	173	176	176	177	180	184	182	178	179	188	178	169	156	174
11		166	164	166	163	176	180	177	171	180	176	179	176	180	176	163	167	169	173	163	164	167	167	165	165	171
12		166	165	167	169	177	178	171	172	171	173	173	173	169	173	172	173	173	173	172	171	171	172	169	169	171
13		169	167	168	178	183	182	182	182	180	180	181	181	181	180	179	176	176	173	173	173	173	171	169	176	
14		167	171	175	178	182	186	187	186	186	183	183	182	182	178	176	169	170	171	169	168	176	176	176	173	177
15		172	169	173	180	183	185	185	182	185	178	173	184	183	182	182	182	173	178	146	178	173	175	173	173	178
16		167	169	176	176	176	178	178	169	169	171	171	178	180	173	172	165	153	159	165	167	173	173	171	169	171
17		168	162	165	170	173	178	181	181	178	176	172	170	173	175	175	175	173	170	170	168	173	178	178	175	173
18		165	160	160	167	171	180	180	182	182	182	180	181	181	182	181	180	180	180	180	180	180	178	178	177	177
19		176	178	176	178	182	184	182	182	184	184	183	186	182	180	180	180	178	180	184	188	186	184	184	184	182
20		184	183	182	182	184	190	190	189	190	190	190	188	186	186	184	182	182	181	180	182	181	180	178	184	
21		176	176	176	184	186	186	188	186	186	184	184	184	184	184	184	182	180	179	180	180	180	178	178	182	
22		176	180	179	180	184	190	186	183	178	178	181	182	188	173	176	173	171	176	178	182	184	186	182	179	180
23		178	176	178	180	178	182	178	173	170	149	159	155	165	171	153	163	167	176	171	167	173	169	169	167	169
24		187	158	170	171	171	176	176	177	178	177	169	161	147	155	169	171	173	173	173	180	176	178	173	163	170
25		163	167	167	171	171	167	173	170	161	163	173	172	167	175	165	178	171	173	170	163	165	169	169	165	169
26		164	163	165	170	176	172	171	167	169	169	164	178	176	178	181	180	189	167	173	178	184	177	175	169	173
27		162	167	165	165	169	170	169	167	166	163	153	163	165	171	173	170	169	171	175	173	173	172	169	167	168
28		163	162	165	170	171	173	177	177	177	176	172	169	173	173	178	179	173	180	171	170	173	173	171	167	172
29		165	168	171	173	178	180	180	180	176	171	170	170	176	176	178	179	178	176	178	180	181	181	177	169	175
30		165	163	165	170	175	178	180	180	179	178	176	173	173	176	178	182	180	182	184	186	185	182	180	175	177
31		169	169	175	178	181	185	184	182	180	178	176	172	173	173	176	176	176	181	181	182	181	180	176	176	178
Среднее по всем дням		166	165	167	171	175	178	178	176	175	174	173	174	173	173	172	173	173	174	173	174	176	175	173	170	173

Обработал Затравкина Проверил Сивцева

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

Бедомство СВЖЧМ
Обсерватория Магадан
Месяц декабрь Год 1969

Широта 60°07' Долгота 151°01'

Среднемесячн. Σ₀ = 52765°

Σ₀ с 1-31 = 52737°
за 17/хII - Σ₀ = 52859° БII - Σ₂ = 2,4°

Элемент Вертикальная составляющая
Σ = 52700° Σ с 1-21 = 135°/м с 21-31 = 134°/м

Время мировое	Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	74	76	77	75	75	74	73	72	71	72	72	71	67	68	67	64	59	58
2	77	77	77	75	75	73	72	72	72	72	72	71	71	69	68	65	67	67
3	72	73	74	72	72	72	70	69	68	68	68	68	67	67	66	66	66	66
4	66	71	70	70	72	70	67	66	66	66	67	68	68	65	56	64	60	58
5	67	70	69	68	68	68	66	66	66	66	68	69	64	68	63	64	56	35
6	68	71	76	76	76	80	83	83	80	81	77	73	72	66	49	49	60	65
7	69	70	72	72	72	70	69	69	69	68	68	68	68	68	68	68	68	68
8	66	68	69	69	69	70	69	68	67	67	67	66	66	65	65	65	62	63
9	65	65	65	64	65	65	64	64	64	64	64	64	65	66	65	66	66	64
10	66	67	66	66	68	68	67	66	66	66	65	65	65	65	65	64	64	61
11	61	64	65	65	67	68	68	70	71	70	71	69	68	69	71	70	69	67
12	68	69	69	69	68	68	68	69	69	69	69	68	67	66	65	65	65	65
13	68	69	69	68	68	66	66	65	65	65	66	65	64	64	64	64	64	64
14	67	67	67	66	66	65	64	63	63	63	62	62	62	63	64	64	65	64
15	65	65	66	63	64	65	64	63	62	63	64	64	64	64	63	62	61	61
16	64	68	65	65	67	68	68	68	68	70	71	69	67	64	64	59	51	61
17	64	63	65	67	70	68	67	66	65	65	67	68	67	67	66	65	65	65
18	73	73	71	66	69	69	66	65	64	65	65	65	64	64	64	64	64	64
19	62	63	61	61	64	65	65	64	64	64	64	64	64	64	64	64	64	64
20	58	58	59	60	64	63	62	61	61	61	60	60	60	60	61	61	61	61
21	62	62	63	64	65	64	63	62	62	61	61	61	60	61	61	61	61	60
22	62	62	61	61	62	64	62	61	62	61	62	62	61	63	64	62	64	64
23	62	62	61	59	60	61	61	61	62	65	69	69	69	60	39	53	61	60
24	59	59	62	62	64	64	63	62	62	62	63	65	68	69	68	66	65	65
25	60	62	62	62	63	65	66	66	68	71	70	67	66	62	61	54	53	54
26	65	65	64	63	64	62	63	64	65	65	65	63	63	62	61	61	49	49
27	65	69	67	67	69	69	68	68	66	67	66	66	66	66	63	62	62	61
28	68	66	65	66	67	66	65	63	62	62	62	62	62	62	61	59	58	57
29	65	66	66	67	67	67	65	64	63	63	64	65	64	62	62	62	61	61
30	69	69	66	66	66	65	65	63	63	63	63	63	63	63	62	61	61	62
31	65	65	65	65	65	64	62	61	61	61	61	63	63	63	62	62	62	62
Среднее за все дни	66	67	67	66	67	67	66	66	66	66	66	66	65	65	63	62	62	61

19212223					Средн. суточн.	
62	66	68	69	72	74	70
65	66	65	67	69	72	71
66	66	66	64	64	64	68
62	64	65	65	64	64	66
38	46	45	46	56	64	61
67	66	65	65	67	68	70
68	66	66	67	67	68	69
63	64	65	65	65	66	66
64	65	65	66	65	65	65
62	64	61	57	56	56	64
65	67	67	65	66	66	67
65	65	67	68	67	66	67
64	64	64	65	66	66	66
64	64	64	64	65	65	64
57	56	57	60	61	61	62
63	64	63	62	62	61	65
64	63	65	66	67	70	66
64	63	62	62	63	62	65
64	62	61	61	60	59	63
61	61	61	62	61	61	61
60	60	61	62	64	62	62
63	61	61	62	63	63	62
43	49	51	54	58	60	59
64	62	58	58	57	57	62
54	56	60	63	65	65	62
57	58	56	54	58	62	61
62	63	65	66	67	68	66
56	58	61	63	66	65	62
62	62	63	65	67	68	64
62	61	61	62	64	65	64
61	61	62	62	63	63	62
61	62	62	62	64	64	65