

Ведомство СВН НИИ
 Обсерватория Магадан
 Месяц декабрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Угол склонения $\delta_{\text{III}} = 0.370 / \text{мм}$ $D_{\text{III}} = -12^{\circ}59.0$
 $D = -12^{\circ}00'0'' +$ $\delta_{\text{I}} = 0.482 / \text{мм}$ $D_{\text{I}} = -12^{\circ}78.6$

Время мировое																							Средн. сутки		
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23			
1	66.8	66.8	67.0	66.6	65.9	65.4	64.9	64.6	64.8	64.9	65.1	65.4	64.7	65.3	64.9	64.8	65.8	63.0	64.9	60.6	63.8	66.8	67.8	68.8	65.4
2	72.7	74.9	74.7	77.4	82.5	79.2	78.6	74.8	71.9	67.5	59.6	65.4	62.6	49.7	59.1	65.0	72.6	56.3	58.4	82.2	57.3	66.6	75.2	74.1	69.1
3	72.3	72.5	71.2	69.5	67.5	67.3	67.5	67.8	68.0	67.8	66.7	67.3	64.9	68.8	65.4	66.8	65.9	66.6	66.2	65.8	67.3	66.7	66.6	66.8	67.6
4	66.4	66.4	67.4	68.1	67.8	67.8	67.0	66.8	66.8	66.4	66.4	67.3	66.6	66.4	64.5	63.7	62.4	54.5	52.5	56.4	63.8	69.2	72.8	72.3	65.4
5	70.7	71.7	69.7	70.7	69.7	71.1	73.1	70.2	67.8	61.5	65.9	66.1	66.4	65.9	66.5	66.0	65.2	65.5	65.4	65.8	66.6	66.6	66.2	66.8	67.5
6	67.4	67.9	67.7	66.6	65.6	65.1	64.9	64.6	65.1	65.6	65.6	65.9	65.8	65.8	65.6	65.4	65.6	65.6	65.4	65.9	65.9	65.9	65.7	66.1	65.9
7	66.1	66.2	66.5	66.8	66.6	65.9	64.9	65.1	65.1	65.2	65.1	65.1	65.1	65.1	65.0	64.7	64.8	64.8	64.7	64.6	64.8	64.6	65.4	65.3	65.3
8	64.9	65.4	66.1	66.4	65.9	65.1	64.6	64.7	65.1	65.4	66.4	65.7	65.6	65.4	65.2	65.1	64.9	64.8	64.9	64.9	65.2	65.4	65.4	65.4	65.3
9	65.9	66.1	66.1	65.8	65.8	65.9	66.6	67.0	66.2	65.4	65.3	65.4	65.5	65.4	65.4	65.3	65.3	65.1	65.1	65.1	64.9	65.2	65.1	64.9	65.6
10	65.3	66.0	66.8	67.1	66.6	65.9	65.6	65.8	65.2	64.9	64.9	64.9	65.2	64.2	63.9	64.1	64.3	64.1	63.9	64.0	64.4	64.9	62.3	65.1	65.0
11	64.9	66.8	67.9	67.7	68.3	68.7	74.7	75.7	72.6	69.9	68.3	54.5	48.6	60.0	71.1	63.4	62.3	68.7	68.8	66.8	68.0	72.8	71.5	70.3	67.2
12	70.8	70.6	75.2	76.5	71.6	72.3	67.0	66.6	66.4	66.1	66.4	66.6	64.5	62.7	66.8	66.8	65.6	65.4	65.8	65.8	63.7	65.6	67.0	69.0	67.7
13	69.2	69.0	68.6	67.5	66.4	65.3	66.6	66.8	66.1	65.5	59.0	64.9	66.3	66.1	66.2	62.8	69.0	64.9	65.9	69.2	66.6	65.1	65.7	67.3	66.3
14	67.8	68.0	67.5	66.8	66.0	66.4	65.3	65.4	66.2	66.6	66.1	64.5	66.3	67.5	65.1	67.3	64.8	65.1	65.1	65.8	65.7	65.4	65.4	66.0	66.1
15	66.3	65.9	66.1	66.2	66.2	65.9	65.6	65.9	66.3	66.1	66.1	65.4	63.9	63.9	65.9	66.4	65.5	65.1	65.2	65.7	65.4	65.4	65.2	65.2	65.6
16	65.6	65.9	66.1	66.3	66.4	66.2	65.9	65.9	65.6	55.5	65.8	65.4	65.3	65.3	63.9	61.3	62.5	60.4	60.4	62.8	61.6	63.5	68.4	71.9	64.9
17	74.5	75.0	73.3	72.8	72.3	73.0	68.3	65.9	65.4	65.4	65.6	65.4	65.9	65.5	65.4	65.4	65.6	65.4	65.4	65.1	64.8	65.4	64.9	65.7	67.6
18	66.6	66.8	67.3	66.8	66.8	66.3	65.5	64.9	65.2	65.3	65.5	65.5	66.4	65.4	65.4	65.5	65.9	65.9	65.9	65.6	65.7	65.6	65.1	65.0	65.8
19	65.6	66.1	66.4	66.3	66.0	65.4	64.9	64.9	65.1	65.4	65.3	65.2	65.4	65.6	65.6	65.6	65.6	64.9	64.6	64.6	64.6	64.6	64.4	64.7	65.3
20	65.4	65.9	66.2	65.9	65.4	64.8	64.4	64.4	64.6	65.4	64.4	65.1	65.9	65.1	64.5	63.8	64.4	64.6	65.0	64.7	63.9	64.6	64.9	65.6	65.0
21	65.8	65.5	65.6	65.4	65.4	64.6	64.1	64.4	64.9	65.9	66.0	65.4	65.2	64.9	64.1	61.7	62.8	63.0	64.2	64.0	64.6	65.0	66.4	66.0	64.8
22	68.0	65.8	65.6	66.6	66.9	66.6	65.6	65.3	65.5	65.9	65.7	65.7	65.4	65.6	63.0	64.6	65.3	65.1	65.6	64.9	64.8	64.1	64.1	65.3	65.5
23	65.9	65.1	65.6	65.6	65.1	64.2	63.9	63.8	64.1	64.7	65.4	65.6	65.9	65.4	65.5	64.6	64.8	64.4	64.4	64.5	64.7	65.4	65.7	66.3	65.0
24	66.6	66.5	65.6	65.4	65.1	64.6	64.2	64.7	64.9	65.1	63.8	65.9	65.4	64.6	64.7	64.5	63.9	64.4	64.7	64.4	64.4	64.6	64.9	64.9	64.9
25	65.7	65.9	66.1	66.4	65.8	65.0	64.6	64.8	65.0	65.1	64.8	64.6	64.4	64.4	64.1	63.4	62.8	63.1	64.3	64.6	60.2	61.6	63.8	66.1	64.4
26	66.8	67.5	68.0	67.1	65.9	64.2	64.4	64.3	64.4	64.1	64.9	64.9	64.4	64.3	64.6	64.7	64.9	64.8	66.4	66.7	65.8	65.1	65.0	65.3	65.4
27	65.7	65.9	66.8	67.0	66.8	64.9	63.9	63.9	63.6	64.1	64.6	64.1	64.9	64.1	63.4	64.1	64.6	64.4	64.8	65.4	65.4	65.4	65.1	64.9	64.9
28	65.4	65.8	66.3	66.4	66.1	65.8	65.8	65.4	64.8	65.0	65.6	63.5	65.0	64.6	64.1	64.1	63.7	62.3	61.5	67.0	72.8	67.3	64.4	65.1	65.3
29	68.0	68.9	68.5	68.3	68.1	65.4	64.3	64.3	64.1	63.9	64.1	64.9	65.1	65.1	65.2	65.1	64.9	64.9	64.9	65.5	65.4	65.1	65.6	66.6	65.7
30	67.3	66.6	67.0	66.9	65.8	65.1	65.0	64.9	65.0	65.0	65.1	64.8	65.2	65.5	65.5	65.6	65.4	65.2	65.3	64.9	65.3	64.6	65.4	65.4	65.5
31	65.1	65.7	66.4	66.1	65.1	65.0	64.6	64.3	64.4	65.0	64.3	64.9	64.9	66.8	65.1	65.3	65.4	64.9	64.0	64.5	63.9	65.3	63.4	64.9	65.0
Среднее по всем дням	67.3	65.7	67.7	67.7	67.3	66.7	66.3	66.1	65.8	65.5	65.1	65.0	64.7	64.7	65.0	64.7	65.1	64.1	64.3	65.4	64.9	65.6	66.1	66.7	65.8
Среднее по спокойн. дн.	65.7	66.1	66.5	66.4	66.0	65.5	64.9	64.8	65.0	65.3	65.3	65.3	65.5	65.3	65.1	64.9	65.1	65.0	65.0	64.9	64.8	65.0	65.0	65.2	65.3
Среднее по возмущ. дн.	69.7	70.6	71.2	72.0	71.7	71.3	72.0	70.8	69.0	66.1	63.8	63.5	61.7	60.9	65.8	64.8	66.9	64.2	64.9	70.0	64.4	67.3	69.1	69.5	67.6

Условные обозначения: Δ — погасла лампа; $>$ или $<$ — запись вышла за бумагу; \square — остановились часы; $\bar{\Delta}$ — инд. пр. магн. об. уст. з. В. и т. д., взятые приближенно с магнитограммы.

Обработал Затравкине В. Ф. Проверил Лагульская Э. П.

Ведомство СВКНИИ
 Обсерватория Магадан
 Месяц декабрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Горизонтальная составляющая
H = 17900* БН = 2.12 H = 17964

Время мировое																							CP		
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23			
1	191	191	194	198	201	201	198	196	196	195	195	194	198	193	198	202	192	190	188	184	209	216	209	197	
2	194	192	163	134	145	158	158	149	147	138	120	133	117	124	134	147	133	39	131	88	90	126	132	148	135
3	146	148	159	167	170	170	167	167	167	167	166	170	176	181	184	171	177	176	177	178	177	178	182	179	171
4	177	173	172	175	179	184	187	186	184	182	179	181	179	179	184	188	182	176	182	178	188	179	186	179	181
5	172	169	176	182	174	158	158	168	156	151	167	173	176	177	187	184	185	185	186	183	185	188	187	185	176
6	181	183	186	193	201	201	199	195	192	188	188	189	190	190	189	187	188	191	192	190	191	189	190	190	191
7	187	182	179	185	191	197	194	194	193	195	195	195	195	194	193	194	194	192	194	193	193	194	192	192	192
8	190	190	190	194	199	201	200	199	196	193	190	192	195	195	195	195	196	196	198	199	199	198	194	191	195
9	188	190	194	200	201	195	192	184	187	190	192	192	192	193	194	194	192	192	193	194	195	194	194	190	193
10	186	184	188	194	200	200	199	199	196	196	196	195	195	193	196	200	201	201	202	201	203	212	211	210	198
11	208	202	196	201	201	188	172	152	154	134	76	84	80	84	125	156	140	158	170	165	160	166	169	169	155
12	167	165	162	173	170	170	187	176	174	172	172	170	154	179	172	175	178	177	181	183	174	176	179	183	174
13	179	179	181	189	189	186	181	176	181	181	187	187	178	186	201	178	170	182	176	183	184	182	185	183	183
14	179	178	184	187	188	182	179	186	185	182	186	176	181	188	186	191	188	185	186	186	190	190	190	187	185
15	187	190	190	191	192	192	193	190	182	175	184	182	190	189	188	189	187	188	190	192	191	191	189	186	188
16	184	186	189	190	191	193	192	191	187	184	187	192	194	195	204	198	183	173	176	185	192	199	194	173	189
17	174	169	172	179	181	188	188	187	187	187	186	186	186	186	186	186	184	186	186	185	188	190	194	193	185
18	192	189	189	192	195	195	194	193	192	192	192	190	191	191	192	192	192	192	193	194	194	195	194	192	192
19	190	189	190	192	195	195	195	194	192	192	194	195	194	194	195	196	199	204	204	202	202	201	200	196	196
20	196	196	199	203	206	205	202	201	202	197	193	188	188	186	185	186	188	192	190	195	194	195	196	195	195
21	196	195	199	201	203	203	199	199	199	193	192	194	194	196	200	192	190	196	199	201	201	203	202	196	198
22	196	193	194	192	188	191	196	194	193	193	193	191	189	188	186	190	192	192	194	195	196	200	200	200	193
23	201	201	202	204	205	205	203	202	201	199	195	189	184	193	195	198	198	199	199	198	199	198	194	198	198
24	199	201	199	198	196	199	201	201	202	201	196	191	192	194	196	196	196	194	196	196	196	199	200	202	198
25	202	202	202	203	205	205	203	201	200	200	198	199	199	200	201	200	194	194	194	203	199	194	198	193	200
26	194	196	207	209	211	212	205	203	203	202	202	200	205	201	201	199	196	198	194	201	196	195	193	183	200
27	185	192	199	201	204	205	203	200	198	195	194	195	199	199	195	202	196	196	194	194	194	194	192	188	196
28	185	187	190	196	202	201	199	199	195	193	193	193	199	202	205	205	204	206	196	201	178	205	203	194	197
29	189	187	189	187	193	196	195	196	195	196	199	194	190	194	194	196	196	197	193	194	195	194	190	192	193
30	194	193	192	198	199	198	197	198	195	194	193	192	194	194	194	194	195	196	195	197	197	198	194	191	195
31	188	191	194	199	202	201	202	200	199	196	192	199	196	202	193	199	198	199	196	194	196	193	197	192	197
Среднее по всем дням	187	187	188	191	193	193	192	190	188	186	184	184	183	186	188	190	188	185	189	188	188	191	192	189	188
Среднее по спокойн. дн.	191	189	189	193	197	199	197	196	195	194	193	192	193	192	192	193	194	195	196	197	196	197	195	193	194
Среднее по возмущ. дн.	184	181	176	176	176	172	171	164	162	155	144	149	141	150	164	168	161	148	169	160	159	168	170	174	165

Условные обозначения: — погасла лампа; > или < — запись вышла за бумагу; □ — остановился час; Δ — линия принята отсюда; V — запись, взятая приближенно с магнитограммы — []

Обработал Затравакина Проверил Люддевальская

Ведомство СВ Ю Н И И
 Обсерватория Магадан
 Месяц декабрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Вертикальная составляющая
Z = 52500 ϵZ = 1.53/мм $Z_0 = 52582$

Время мировое Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23	ср.		
1	120	123	123	121	120	119	118	118	118	118	118	119	119	119	118	118	114	109	111	104	105	97	99	101	115
2	106	111	113	115	129	152	186	169	169	170	190	179	165	132	122	121	85	-37	-57	-111	-13	63	102	114	103
3	123	130	133	132	132	130	131	131	131	131	132	131	128	126	116	121	123	124	125	125	125	124	124	126	127
4	128	131	132	131	131	129	127	126	126	127	127	128	129	128	127	125	120	106	88	85	91	94	104	115	119
5	120	123	126	126	128	129	138	143	144	145	140	137	132	129	126	123	124	125	125	124	124	124	123	123	129
6	123	126	125	123	125	123	121	120	120	121	122	123	123	123	123	123	123	122	123	122	122	123	124	123	123
7	124	122	121	123	124	124	123	122	121	121	121	120	120	120	121	121	121	121	120	120	118	120	120	121	121
8	118	118	120	120	121	120	119	119	119	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
9	120	120	122	119	119	120	120	121	123	122	122	120	120	120	120	120	120	120	120	120	120	120	120	120	120
10	122	123	124	125	122	122	121	120	120	120	120	120	119	120	120	119	118	118	118	117	117	115	112	112	119
11	112	114	117	117	119	120	132	154	177	172	198	201	120	114	66	88	92	98	116	123	121	118	109	114	126
12	119	126	131	134	135	140	138	134	134	135	134	132	136	123	126	128	129	128	127	123	120	123	123	125	129
13	127	128	127	127	129	128	126	126	126	127	124	123	124	122	106	103	100	97	103	110	108	114	119	120	118
14	121	123	121	120	123	123	124	124	124	125	124	123	124	120	119	117	114	118	120	121	122	122	122	120	121
15	122	123	123	123	124	124	123	122	122	124	125	124	123	115	118	119	119	120	121	121	121	122	122	121	122
16	123	123	122	121	122	123	123	121	121	122	123	122	121	120	119	109	105	101	103	105	107	111	114	115	116
17	117	119	122	125	129	132	130	128	126	126	126	126	126	126	124	123	123	123	122	122	123	122	120	124	124
18	123	123	123	123	125	124	123	122	121	120	120	120	120	120	120	120	120	120	120	120	120	120	121	123	121
19	123	123	123	121	122	122	120	120	119	119	119	119	119	119	119	119	118	118	117	117	117	117	117	117	119
20	117	117	118	120	120	118	117	117	116	117	117	119	120	120	120	119	119	119	118	118	117	117	117	117	118
21	117	118	117	118	119	118	117	117	117	117	118	117	118	118	117	111	114	115	117	117	117	116	114	114	117
22	115	117	117	117	120	120	118	117	117	118	118	118	119	120	119	120	119	119	119	118	117	117	116	115	118
23	116	116	115	114	115	116	115	114	114	114	114	116	119	121	118	117	117	117	117	117	117	117	117	116	116
24	117	117	115	115	117	117	117	116	116	116	116	119	120	119	118	117	117	118	117	117	117	117	117	115	117
25	115	117	117	115	117	116	114	114	114	116	117	116	117	116	116	114	114	115	116	112	107	110	113	117	115
26	118	119	117	117	117	116	115	115	117	117	118	119	117	117	117	117	117	117	116	113	112	115	118	121	117
27	123	122	121	121	121	120	117	117	116	116	116	116	117	117	115	114	114	112	114	117	117	118	120	122	118
28	122	120	120	120	119	118	117	117	116	117	117	117	117	117	115	114	114	113	113	111	106	103	109	114	115
29	118	120	121	122	123	121	119	118	118	117	117	117	118	118	118	118	117	117	117	117	117	117	118	119	118
30	120	120	119	120	120	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	119	118
31	119	121	121	121	118	117	116	114	115	115	117	116	117	117	113	112	115	116	116	115	116	114	112	113	116
Среднее по всем дням	120	121	121	121	123	123	124	124	124	125	126	126	123	120	117	117	116	111	111	109	112	114	116	118	119
Среднее по сплошн. дн.	121	121	121	121	122	122	120	120	119	119	119	120	120	120	120	120	120	119	119	119	118	119	119	119	120
Среднее по возмущ. дн.	117	120	123	124	128	134	144	145	150	150	157	154	135	124	109	113	106	82	83	74	92	108	115	119	121

Ведомство СВХНЦ
 Обсерватория Магадан
 Месяц декабрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Толная сила
 $T = 55600$

$\epsilon_T = 3.27 / \text{мм}$ $T_m = 55729$
 $\epsilon_T = 1.85 / \text{мм}$ $T = 55624$

Время мировое																							Средн. суточн.		
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23			
1	42	44	45	45	45	43	43	42	42	42	42	42	42	43	41	42	40	32	33	26	26	26	30	31	39
2	30	33	24	18	35	60	88	72	71	72	84	78	57	31	25	29	-11	-142	-134	-209	-118	-32	-6	21	7
3	30	37	43	45	46	44	43	43	43	43	43	45	43	43	35	36	40	41	42	42	42	42	42	43	42
4	45	46	47	47	48	48	47	46	45	44	44	45	45	45	45	45	38	23	10	5	12	13	24	33	37
5	35	36	42	43	43	39	47	55	52	50	52	51	48	46	45	42	43	44	44	42	43	44	43	42	45
6	41	44	44	45	49	49	46	43	42	42	42	43	43	43	43	42	43	44	44	43	44	42	44	45	44
7	44	41	38	42	45	47	45	44	43	44	44	43	43	43	43	43	43	43	43	41	42	42	41	43	43
8	40	40	41	42	45	46	43	43	42	43	43	42	44	43	42	42	43	43	43	44	43	42	41	43	43
9	40	43	44	43	43	42	42	41	42	43	43	43	43	42	43	43	42	42	43	43	43	43	43	42	43
10	42	43	44	47	47	46	45	43	43	43	43	42	42	43	42	43	43	43	42	43	44	41	41	41	43
11	40	41	41	42	43	41	46	61	83	70	79	80	4	-1	-31	0	-1	11	31	35	32	31	25	30	35
12	32	38	42	48	48	53	56	50	49	49	48	46	43	40	41	43	46	44	45	42	36	39	42	42	44
13	45	44	45	48	49	48	43	42	44	44	45	43	41	41	32	21	-16	16	20	28	28	33	39	39	37
14	38	40	41	41	43	42	42	44	43	42	44	40	42	41	39	39	35	38	40	41	48	43	43	42	41
15	42	43	44	44	45	45	45	43	40	39	43	42	43	35	39	40	40	41	43	42	42	43	42	42	42
16	42	42	42	42	43	45	44	42	41	41	43	43	43	42	43	33	24	17	21	25	31	36	37	30	37
17	32	32	36	42	46	51	50	47	46	45	45	45	45	44	43	43	42	42	42	41	42	42	43	42	43
18	44	43	43	44	47	47	45	43	43	42	42	42	42	42	41	42	42	42	43	43	43	42	43	43	43
19	43	43	43	42	44	44	42	42	40	40	41	42	41	41	41	42	42	43	43	42	42	43	42	40	42
20	40	41	42	44	46	44	43	42	41	40	39	39	41	40	39	39	40	41	40	40	39	40	40	39	41
21	40	40	42	42	43	43	42	41	40	39	40	40	40	40	40	33	35	38	40	41	41	41	39	36	40
22	38	39	39	40	40	41	40	39	39	40	40	39	39	40	38	40	40	41	41	41	40	41	40	39	40
23	41	41	40	41	42	42	41	40	39	39	37	36	37	42	41	41	41	41	41	41	41	40	40	40	40
24	42	42	39	38	40	41	41	40	41	41	39	40	42	41	41	41	39	40	41	40	40	41	41	41	40
25	41	41	42	41	42	42	40	38	38	40	40	40	40	40	40	40	39	37	38	38	37	32	33	37	39
26	40	42	43	44	45	43	41	40	42	42	42	42	43	40	40	40	41	40	41	39	38	35	39	41	41
27	41	43	45	46	47	45	42	42	40	39	39	39	41	41	39	40	37	36	37	39	40	41	42	42	41
28	42	40	41	43	43	42	41	41	39	39	39	40	41	41	43	40	39	40	36	36	23	31	35	38	39
29	39	41	42	42	44	44	42	42	41	40	40	39	39	41	41	41	40	40	39	40	40	40	40	39	41
30	42	42	41	42	43	41	40	40	39	39	39	38	39	39	39	39	39	40	40	40	40	41	40	40	40
31	40	43	43	44	43	42	42	39	39	39	38	40	40	38	34	39	39	40	39	38	38	36	36	36	39
Среднее по всем дням	40	41	42	42	44	45	45	44	44	44	45	44	41	40	38	38	36	32	33	30	32	36	38	39	40
Среднее по спокойн. дн.	42	42	41	43	45	46	44	43	42	42	42	42	42	42	41	42	42	42	42	42	42	42	42	41	42
Среднее по возмущ. дн.	36	38	39	40	44	48	56	56	60	57	62	60	39	31	22	27	19	-5	1	-12	-4	23	29	35	34

Условные обозначения: Δ — погасла лампа; \triangleright или \triangleleft — запись вышла за бумагу; \dashv — остановились

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