

Ведомство В.Ю.С.Н.И.И.
 Обсерватория Магадан
 Месяц ноябрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Угол склонения
 $D = -12^{\circ} 00' 0''$ $\delta D = 0.482/мм = D_0 = -13^{\circ} 18.5''$

Время мировое																							сречн.			
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23				
1	66.0	66.6	66.9	67.0	66.7	66.3	65.3	65.3	64.8	65.0	65.3	65.3	64.8	64.5	64.0	64.3	64.4	64.1	63.6	64.0	64.3	64.5	64.5	65.3	65.1	
2	67.3	68.6	68.0	66.9	66.0	65.5	65.1	64.8	65.0	65.5	65.3	65.3	65.4	64.8	64.6	64.1	64.0	63.6	61.6	62.8	63.7	64.5	64.1	64.5	65.0	
3	66.0	67.0	67.7	67.9	67.4	66.5	66.2	65.8	65.0	63.5	64.8	65.0	64.8	64.0	64.8	64.1	63.9	64.3	64.0	63.7	63.6	63.5	63.5	64.5	65.1	
4	66.1	66.7	67.4	67.0	66.7	66.0	65.3	64.5	64.4	64.8	64.8	64.3	63.9	61.9	63.6	63.6	66.9	60.2	58.5	58.9	60.9	61.7	64.5	66.0	64.1	
5	68.9	71.6	72.5	70.3	70.4	69.1	67.7	67.5	67.2	65.8	65.3	66.0	65.5	65.1	64.3	65.3	60.7	63.4	63.6	64.7	64.0	64.5	64.8	67.3	66.5	
6	68.2	68.2	67.7	66.7	66.2	66.2	66.5	67.4	66.5	66.9	66.7	66.0	64.0	58.3	64.0	59.2	62.6	63.4	63.7	63.8	64.6	65.0	65.1	65.5	65.1	
7	66.2	66.3	66.7	66.9	66.9	67.0	67.2	68.8	69.9	68.9	66.5	66.5	64.5	63.7	64.5	64.7	64.8	63.8	63.7	63.6	64.0	64.9	66.5	66.7	66.0	
8	66.7	66.3	65.6	65.8	65.8	65.8	65.3	65.0	65.3	66.7	66.5	66.0	65.2	65.2	64.3	64.1	63.1	62.8	63.2	65.0	64.2	63.8	63.8	64.0	65.0	
9	65.1	65.7	66.3	66.5	66.2	65.6	65.8	65.8	65.3	65.0	65.1	65.1	65.0	64.4	64.1	62.3	64.0	62.9	64.3	63.1	63.8	64.0	64.3	64.5	64.8	
10	64.8	65.0	65.3	65.5	65.5	65.2	64.7	65.0	66.0	66.8	67.2	65.8	64.8	60.0	59.0	56.8	61.6	61.6	62.2	62.1	64.5	64.8	64.3	66.5	64.0	
11	66.6	65.8	65.5	66.3	66.3	65.8	65.3	64.8	65.0	65.3	64.8	64.7	65.0	64.3	63.4	63.4	63.4	63.3	63.6	63.5	63.8	63.8	64.3	64.5	64.7	
12	64.8	66.1	69.1	70.8	69.3	68.7	65.5	66.9	68.9	66.7	64.3	65.2	64.9	61.9	62.6	60.6	65.3	63.1	62.2	63.1	65.3	64.8	64.3	67.2	65.5	
13	69.6	69.6	68.2	70.1	69.6	68.2	66.7	67.4	66.0	57.4	63.6	62.9	63.7	61.9	66.9	62.6	60.3	59.9	61.6	62.3	64.0	67.7	67.4	67.4	65.2	
14	72.2	72.6	70.5	68.9	68.1	67.7	68.2	67.4	65.1	59.2	66.6	70.1	62.3	58.1	61.2	59.5	62.4	72.7	63.1	62.1	65.4	75.0	68.4	77.5	66.8	
15	82.3	71.8	69.9	69.6	68.4	66.5	64.6	64.8	65.8	64.8	55.2	62.9	65.8	65.8	64.3	68.4	68.5	68.2	66.0	61.9	64.0	64.5	66.0	69.1	66.6	
16	72.5	70.6	68.7	67.2	66.5	66.5	63.7	64.8	64.5	64.3	60.4	62.3	65.3	68.9	63.4	64.8	65.3	65.5	66.5	67.1	65.7	65.3	66.7	68.4	66.0	
17	68.4	68.0	68.2	68.3	67.5	66.5	66.1	66.0	65.3	65.3	62.6	66.7	65.8	65.6	65.2	65.0	64.9	64.6	64.5	65.0	65.3	66.9	70.6	66.8	66.2	
18	67.7	67.3	67.6	67.7	67.4	66.7	66.0	65.3	65.1	64.9	66.3	65.7	65.1	64.8	65.3	62.9	63.6	64.3	60.7	61.4	62.6	65.0	65.5	66.0	65.2	
19	66.5	66.9	67.6	67.1	66.7	66.0	66.3	66.5	66.7	66.2	63.6	65.3	65.3	65.3	65.1	64.8	65.3	64.3	64.0	64.0	66.5	66.3	66.1	66.3	65.8	
20	66.7	66.8	67.2	67.1	66.3	65.8	65.2	64.8	65.0	65.1	65.0	65.3	65.3	65.0	64.7	64.8	64.2	64.0	64.3	64.3	64.7	64.8	64.9	65.1	65.3	
21	65.3	65.7	65.7	65.8	65.7	64.8	64.5	64.5	65.0	65.0	65.3	65.1	64.5	63.7	63.6	63.6	63.6	63.4	63.8	64.3	64.3	64.4	64.5	64.3	64.6	
22	64.5	64.8	65.5	65.7	65.7	65.3	64.8	64.3	64.5	64.7	65.0	64.4	64.6	64.3	64.0	64.0	64.0	64.0	64.3	64.2	64.3	64.3	64.3	64.1	64.1	64.6
23	64.7	65.0	65.8	65.8	65.7	64.8	64.2	64.2	64.3	64.3	64.3	64.4	64.3	64.5	64.0	63.6	63.8	63.8	63.8	64.0	64.0	64.0	63.8	63.6	64.4	
24	64.6	65.3	65.5	65.7	65.3	64.7	64.3	64.3	64.3	65.2	65.0	65.1	64.5	64.5	64.2	64.0	63.9	64.2	63.9	64.3	64.3	64.4	64.2	64.0	64.6	
25	64.5	65.8	66.0	66.0	65.6	65.1	64.3	64.5	65.0	65.3	65.3	65.2	63.8	61.3	60.5	60.7	60.9	60.0	61.9	51.3	53.9	62.4	70.3	75.9	63.6	
26	78.8	71.8	71.6	71.1	68.1	67.7	66.0	66.0	66.3	66.5	66.9	60.0	61.4	65.0	66.9	66.6	67.4	64.1	63.1	63.2	63.4	64.2	64.1	64.0	66.4	
27	68.9	69.6	67.7	66.5	66.5	66.2	66.3	66.3	66.1	66.5	66.9	66.5	64.6	65.9	65.6	65.2	64.5	64.9	65.1	65.0	64.5	64.5	65.8	66.5	66.1	
28	66.5	66.5	66.2	66.5	65.8	65.7	64.8	65.6	65.8	64.9	64.9	65.8	65.5	64.9	65.0	64.9	64.2	64.3	64.5	65.0	64.8	64.5	65.5	65.9	65.3	
29	65.9	66.1	66.4	66.6	66.7	65.9	65.6	65.6	65.7	66.0	64.7	65.4	65.4	63.6	64.0	64.0	63.6	64.0	63.4	64.0	64.5	62.9	63.8	65.9	65.0	
30	67.1	66.9	67.5	66.7	65.5	63.9	67.7	68.4	65.5	66.8	65.3	65.3	63.3	63.3	62.9	62.0	62.9	62.8	63.6	63.6	64.9	67.2	66.5	66.4	65.3	
31																										
Среднее по всем дням	67.8	67.5	67.5	67.3	66.8	66.2	65.6	65.7	65.6	65.1	64.8	65.1	64.6	63.8	64.0	63.5	63.9	63.9	63.4	63.2	63.9	64.9	65.4	66.5	65.3	
Среднее по спокойн. дн.	65.1	65.4	65.7	65.9	65.7	65.2	64.9	64.7	64.7	65.2	65.2	65.0	64.7	64.6	64.1	63.6	63.8	63.5	63.9	64.1	64.1	64.1	64.0	64.0	64.7	
Среднее по возмущ. дн.	73.5	70.4	69.9	70.1	68.7	67.8	66.2	66.5	66.4	62.9	63.3	64.2	63.6	62.5	64.4	63.5	64.8	65.6	63.2	62.5	64.4	67.2	66.0	69.0	66.1	

Условные обозначения: — погасла лампа; > или < — запись вышла за бумагу; □ — остановились

Обработал Данилюшкина В.С. Проверил Сивьева И.И.

Ведомство СВУСНИИ
 Обсерватория Магадан
 Месяц ноябрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Н Горизонтальная составляющая
17900 бН 2.12 № = 17964

Время мировое																							Средн.			
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23	194			
1	178	179	184	187	191	198	203	202	200	201	202	201	202	198	195	198	199	200	196	193	192	189	187	182	194	
2	179	186	191	192	195	195	196	196	193	194	195	194	194	193	193	195	196	195	188	187	188	191	188	186	192	
3	182	180	182	189	196	199	194	192	193	195	199	199	199	199	199	197	198	198	195	192	193	192	186	179	193	
4	179	182	186	191	196	198	199	200	199	199	201	202	202	206	203	196	204	199	176	176	185	185	183	181	193	
5	185	175	184	188	188	187	184	183	179	174	179	176	179	187	187	190	187	188	191	194	194	193	191	189	186	
6	190	187	185	187	189	189	190	184	188	190	178	172	181	170	181	187	184	189	191	193	194	198	195	193	187	
7	192	188	185	188	189	187	187	185	177	173	176	174	174	181	191	194	194	193	195	194	198	196	196	193	188	
8	192	194	192	191	188	190	191	187	188	188	186	186	189	194	195	195	193	192	192	194	196	196	193	190	191	
9	189	188	187	189	191	193	199	196	196	199	198	198	196	199	202	195	198	195	196	195	195	195	193	190	195	
10	187	187	188	191	198	203	204	201	192	191	191	194	197	207	191	174	195	194	191	191	192	187	187	184	192	
11	192	195	191	192	196	202	206	204	204	202	202	203	201	201	195	196	196	195	194	194	194	194	199	198	198	
12	199	194	187	184	184	190	200	195	190	188	177	185	193	185	185	177	194	191	189	189	190	196	200	192	190	
13	186	196	192	179	182	188	189	184	176	169	151	155	148	145	147	168	170	167	168	179	184	187	190	185	174	
14	177	181	179	190	188	179	195	156	142	137	155	155	176	149	128	137	166	159	163	181	192	195	179	160	167	
15	178	181	184	181	177	179	183	182	178	196	181	181	177	175	165	179	176	173	177	174	179	183	177	174	178	
16	166	177	181	183	188	188	185	184	179	178	168	173	173	173	179	178	185	179	187	186	191	190	186	184	181	
17	178	174	174	177	184	184	187	187	189	184	183	188	191	192	193	193	193	193	193	193	192	190	194	194	188	
18	188	183	184	190	191	189	188	185	182	171	183	184	190	188	193	191	184	187	183	186	191	171	191	187	186	
19	183	182	185	187	190	189	191	189	188	186	183	181	188	192	190	191	194	198	193	191	189	191	194	193	189	
20	191	188	191	194	195	199	201	199	196	198	195	194	192	193	194	195	196	196	196	199	200	202	202	200	196	
21	194	193	196	201	201	204	203	201	200	194	198	198	196	199	201	199	200	200	199	201	198	199	200	199	199	
22	195	192	192	198	203	203	200	200	201	199	199	198	198	199	198	198	198	196	196	198	200	202	203	199	199	
23	195	194	196	201	204	205	207	205	204	204	203	203	203	202	202	202	202	202	202	202	203	202	203	201	202	
24	196	195	196	199	202	202	204	203	201	201	201	204	204	203	201	198	194	199	198	198	199	199	199	196	200	
25	193	193	196	201	205	206	205	205	202	196	202	203	218	220	216	220	216	211	194	175	178	201	160	153	199	
26	170	173	167	169	168	173	169	162	154	158	157	142	154	173	177	179	188	174	191	200	203	206	207	205	176	
27	190	186	194	196	196	198	191	188	185	185	182	181	180	184	184	185	185	186	185	186	184	184	186	188	187	
28	189	190	194	198	199	195	198	196	192	191	192	196	198	196	194	195	195	194	193	195	195	195	196	195	195	
29	190	186	186	191	193	196	198	194	194	192	191	194	193	196	200	196	191	192	190	191	191	191	192	189	192	
30	189	196	205	212	218	218	210	192	202	191	191	187	177	183	189	185	185	186	186	188	187	189	192	191	194	
31																										
Среднее по всем дням	186	186	188	191	193	194	195	191	189	187	187	187	189	189	189	190	192	191	190	191	192	193	192	188	190	
Среднее по спокойн. дн.	193	193	193	196	198	199	200	198	198	198	197	198	198	199	200	198	197	197	197	197	199	199	198	195	197	
Среднее по возмущ. дн.	178	184	181	181	181	181	186	176	169	166	167	164	170	165	160	168	179	173	178	185	190	193	191	183	177	

Условные обозначения: — погасла лампа; > или < — запись вышла за бумагу; — остановились часы; Δ — данные пропущены; — запись введена, взятые приближенно с магнитограммы

Обработал Коддельская Проверил Данилушкина

Ведомство СВННН
 Обсерватория Магадан
 Месяц ноябрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Вертикальная составляющая
 $Z = 52500^{\circ}$ $GZ = 1.53^{\circ}/\text{мин} = Z_0 = 52582$

Время мировое																							ср.	
Дни	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23		
1	125	126	127	127	126	126	124	123	123	123	123	123	123	123	123	122	122	122	123	123	124	125	126	124
2	126	129	129	127	126	126	124	123	122	120	120	120	121	122	121	122	121	118	120	121	124	125	126	123
3	127	128	131	130	128	126	125	125	124	123	123	122	122	121	121	122	121	119	120	121	123	123	123	124
4	126	128	127	126	125	122	122	122	120	121	121	120	120	120	118	118	108	96	94	99	104	106	110	116
5	115	120	125	126	124	123	126	128	129	130	129	129	129	129	128	126	124	121	121	120	120	121	115	124
6	126	127	127	126	123	122	123	124	125	126	128	132	132	128	120	121	113	117	120	123	123	123	124	124
7	126	129	130	129	128	126	126	127	132	137	138	138	138	136	133	130	127	126	124	123	123	123	125	129
8	129	131	129	128	126	124	125	124	124	126	127	129	129	128	126	126	124	123	122	123	123	122	124	126
9	128	128	128	129	126	124	123	123	123	123	123	122	122	122	121	120	117	119	117	119	117	119	120	122
10	124	126	127	126	123	121	120	120	121	123	124	125	125	123	113	105	99	111	117	119	118	120	119	119
11	122	123	123	123	123	122	121	120	120	120	120	120	120	121	121	121	121	120	120	120	120	120	118	121
12	118	119	120	117	120	121	120	121	126	127	129	130	130	121	119	118	111	109	99	102	106	111	114	117
13	114	119	119	117	124	126	126	127	129	134	130	135	135	132	127	113	76	90	100	108	111	115	120	118
14	126	124	123	126	129	132	132	137	146	147	151	119	119	111	103	59	78	96	77	57	91	89	96	111
15	128	130	129	131	132	131	131	129	128	128	123	118	118	122	120	108	95	97	97	105	111	118	120	120
16	131	135	134	132	132	128	126	126	126	123	125	122	122	116	108	108	115	119	120	122	118	115	118	123
17	127	129	128	127	128	128	127	126	126	126	126	127	127	126	124	123	123	123	122	122	122	123	124	125
18	123	125	126	126	126	126	124	124	125	126	128	126	126	123	122	120	112	110	110	110	112	114	116	120
19	117	120	121	119	120	122	123	122	123	123	123	123	123	123	121	121	120	120	116	116	114	117	116	117
20	119	120	120	120	120	120	120	119	119	119	119	119	119	120	121	121	121	120	120	119	119	117	117	119
21	117	119	120	120	120	120	120	119	119	119	119	119	119	119	119	118	118	117	116	117	117	117	117	118
22	120	123	122	118	118	118	117	117	117	117	117	118	118	119	119	118	118	118	118	118	118	118	118	118
23	120	120	120	118	118	119	118	117	117	117	117	117	117	117	117	117	118	118	119	118	117	118	118	118
24	118	118	118	119	119	118	117	117	117	117	117	117	117	117	116	117	117	117	117	117	117	117	116	117
25	116	118	118	117	117	117	117	117	117	117	117	117	117	117	115	117	118	117	115	111	73	66	63	107
26	101	113	122	124	126	128	127	127	129	129	129	124	124	119	119	121	123	123	120	120	120	119	118	122
27	124	126	123	121	120	121	121	121	122	123	125	126	126	126	125	123	123	123	122	120	120	119	120	122
28	124	126	124	120	121	122	120	120	121	122	123	123	123	122	121	120	120	120	120	120	120	120	121	121
29	122	123	122	123	121	120	120	119	120	120	121	121	121	122	120	117	114	114	114	117	117	116	111	118
30	117	120	120	117	117	114	116	118	120	123	124	126	126	119	119	117	116	117	117	118	118	119	120	119
31																								
Среднее по всем дням	122	124	124	124	124	123	123	123	124	124	125	124	124	122	120	117	115	116	115	115	115	116	116	118
Среднее по спокойн. дн.	123	124	123	122	121	121	120	120	120	120	120	121	121	121	120	120	119	119	119	118	119	119	120	121
Среднее по возмущ. дн.	117	121	123	123	126	128	127	128	132	133	132	125	125	121	118	104	97	103	99	98	108	110	114	118

Условные обозначения: Δ — погасла лампа; \times или \leftarrow — запись вышла за бумагу; \sim — остановились часы; Δ и \leftarrow — приняты отсчеты записи В. и П. П., взятые приближенно с магнитограммы — []

Обработал Лоддельская З.Т. Проверил Данилушкина

Ведомство ВВС НКВД
 Обсерватория Магадан
 Месяц ноябрь Год 1977

Широта 60°07' Долгота 151°01'

Элемент Глобная сила
 $T = 55600^{\circ}$ $\sigma T = 1.85^{\circ}$ $T_0 = 55624^{\circ}$

Время мировое																							средн.	
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	46	47	48	49	50	49	48	48	48	49	47	46	47	47	46	45	45	45	45	45	44	47
2	44	49	51	49	50	49	47	46	43	43	42	43	42	43	44	43	42	39	41	43	46	46	47	45
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30	39	42	45	46	47	45	44	41	46	44	45	46	43	38	38	35	36	36	38	39	39	41	41	41
31																								
Среднее по всем дням	42	44	45	45	46	45	46	44	44	44	44	44	43	41	38	37	38	37	36	37	38	39	40	40
Среднее по спокойн. дн.	45	46	46	45	45	45	45	44	44	44	44	45	44	44	44	43	42	42	43	43	43	44	44	43
Среднее по возмущ. дн.	35	41	41	42	44	46	47	44	45	46	45	38	36	31	17	13	22	18	18	29	33	37	38	39