

Ведомство Академия Наук СССР

Обсерватория Катрони (Иркутск)

Широта

Долгота

Элемент склонение

Месяц сентябрь Год 1961

$\delta = -1^{\circ}00'0''$

$\epsilon = 0^{\circ}980' \delta_0 = -2^{\circ}02'1''$

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	58.9	59.5	61.1	63.7	67.5	69.5	70.2	70.0	67.4	66.4	57.5	59.6	63.7	64.1	62.3	59.6	63.4	63.0
2	56.2	57.1	59.6	63.6	67.2	69.4	70.5	68.5	67.0	62.3	59.6	60.6	59.8	60.6	61.8	63.4	62.7	62.6
3	59.6	58.2	59.2	61.8	64.8	66.6	67.6	67.0	65.6	63.8	62.1	62.6	62.7	63.0	62.9	63.0	62.7	61.6
4	56.7	58.2	61.5	64.6	66.4	67.1	68.0	66.7	65.2	63.2	62.0	59.6	61.6	63.5	63.6	63.5	63.4	62.7
5	58.8	59.8	63.6	65.6	66.6	67.7	68.0	66.8	65.6	64.6	63.4	63.4	60.7	61.1	60.0	61.3	62.0	62.5
6	57.8	58.6	61.5	65.5	68.0	68.5	68.6	67.8	66.0	64.0	62.6	62.1	62.2	63.5	63.5	63.6	63.1	62.9
7	57.2	59.2	61.7	63.4	64.8	66.7	67.6	66.5	65.0	63.6	63.0	63.5	63.7	63.9	63.6	63.4	63.1	62.7
8	57.6	57.8	60.1	63.1	65.6	67.6	67.5	66.1	63.7	62.2	61.8	62.1	63.6	63.8	64.1	64.0	63.6	62.6
9	55.7	55.8	58.2	62.1	65.0	67.1	68.4	66.5	65.6	64.1	64.2	64.3	64.1	63.7	63.6	63.1	62.1	60.7
10	57.0	57.7	61.6	64.5	65.7	66.6	67.1	66.6	65.1	63.6	63.1	63.6	64.0	64.0	63.2	62.5	62.1	61.2
11	57.2	57.6	59.7	62.6	65.5	68.0	68.6	67.5	66.4	65.0	65.0	64.1	63.8	65.0	64.4	63.6	62.1	60.8
12	57.8	58.8	62.0	65.6	69.4	70.5	69.0	67.4	64.7	63.9	63.1	63.1	62.8	63.1	63.4	63.4	63.5	62.6
13	58.9	60.0	63.2	67.1	70.5	72.5	72.0	70.0	67.1	64.8	63.6	63.7	63.7	64.0	63.9	62.7	61.6	60.6
14	57.2	58.2	60.4	63.6	66.4	69.3	69.2	68.6	67.6	66.0	64.8	64.4	52.8	54.7	62.0	63.6	62.4	61.4
15	59.2	59.7	61.9	63.9	66.5	67.6	67.6	66.5	65.1	63.1	61.6	62.1	62.7	62.5	62.6	63.4	63.4	63.1
16	59.3	59.7	61.3	63.7	65.5	67.0	66.6	66.6	65.0	64.0	62.6	60.6	62.6	60.6	61.1	63.0	63.1	62.6
17	60.1	64.0	67.6	67.5	67.3	68.5	69.4	68.5	66.5	64.6	63.4	61.5	61.2	62.4	62.7	63.0	63.2	62.2
18	60.6	61.6	63.7	66.1	67.0	66.6	66.5	66.5	65.0	63.6	62.8	63.0	62.8	63.1	61.4	60.6	61.5	62.4
19	58.7	58.5	59.7	62.6	64.0	64.6	65.5	65.6	65.1	63.8	63.7	63.7	63.6	63.5	63.5	63.6	63.4	62.7
20	59.8	60.6	62.3	64.6	66.7	68.0	67.0	66.6	66.0	65.0	63.6	63.6	63.2	63.6	63.0	61.9	61.1	60.5
21	59.2	60.5	62.6	65.0	66.5	67.0	67.0	65.7	65.1	64.6	64.1	64.5	64.4	64.3	63.7	63.1	62.7	62.0
22	60.5	60.6	62.1	64.0	65.6	65.9	66.0	65.6	65.0	64.2	63.7	64.6	64.2	64.1	63.7	63.4	61.6	61.8
23	59.5	60.1	61.8	64.4	65.6	66.4	66.2	65.4	64.6	63.5	62.9	63.1	63.4	63.6	63.5	62.9	62.6	61.8
24	60.6	60.6	61.6	63.2	64.5	66.4	67.5	66.4	64.8	64.0	60.6	56.2	64.6	63.6	48.4	55.8	58.7	62.6
25	60.6	60.6	62.7	63.6	68.1	68.0	67.6	64.5	64.6	60.0	59.2	61.7	56.7	58.3	60.7	62.1	62.0	62.6
26	61.6	61.8	61.9	64.1	66.5	68.8	68.6	67.5	64.1	59.6	58.8	60.6	62.1	62.5	61.5	62.7	61.6	65.1
27	63.8	63.7	65.5	67.0	66.5	66.6	66.0	62.6	62.7	60.5	57.8	52.3	57.9	62.8	63.5	62.0	62.2	65.6
28	60.6	60.1	61.0	62.1	63.7	65.6	66.8	67.2	66.4	64.7	64.4	64.4	64.5	64.1	64.0	63.5	63.1	62.6
29	60.6	60.0	60.6	61.8	63.6	65.6	66.5	66.4	65.0	63.6	63.6	63.5	63.7	64.0	63.7	63.5	62.5	60.6
30	61.5	61.1	60.7	62.3	64.5	66.5	67.0	67.0	66.4	64.6	63.7	63.8	63.1	61.1	62.7	63.2	63.2	62.7
31																		

19	20	21	22	23	Средн. суточн.	
68.0	67.0	63.5	64.0	62.5	59.6	63.8
63.6	63.2	63.4	61.2	60.5	60.2	62.7
61.6	60.8	60.8	60.5	59.5	57.6	62.3
62.1	61.8	61.6	61.3	60.2	59.1	62.7
62.7	62.6	64.0	62.6	59.6	58.2	63.0
62.1	61.6	61.2	60.6	59.6	57.8	63.0
62.6	61.6	61.5	61.1	59.8	58.4	62.8
62.1	62.0	60.1	60.6	59.2	56.8	62.4
61.0	60.7	60.6	59.6	58.7	57.8	62.2
61.7	61.6	60.6	60.6	59.6	57.8	62.5
61.8	61.2	60.6	60.4	57.8	57.9	62.8
62.7	62.6	62.1	60.6	59.6	60.8	63.4
59.2	58.8	58.8	59.7	59.0	57.7	63.5
61.7	63.6	62.5	60.1	62.2	62.1	62.7
63.0	62.4	62.1	62.0	61.0	59.7	63.0
60.7	60.7	62.7	62.1	60.6	59.6	62.6
62.8	62.0	62.0	61.6	61.1	60.6	63.9
62.6	62.6	62.2	61.6	60.8	60.1	63.1
62.6	62.2	62.1	61.6	61.3	60.6	62.8
60.5	62.1	61.1	58.8	60.0	59.6	62.9
61.6	61.0	61.0	61.1	61.2	61.0	63.3
62.0	60.7	61.5	61.1	60.7	59.8	63.0
61.7	61.0	60.8	61.2	61.3	61.3	62.9
60.8	59.6	59.2	65.1	67.0	62.1	61.8
62.7	63.8	64.4	63.4	62.7	63.4	62.7
64.0	62.5	64.7	62.6	62.6	62.6	63.3
61.6	61.6	62.8	63.6	62.0	61.4	62.6
62.6	62.0	62.7	61.3	61.5	61.6	63.4
61.6	61.6	61.6	61.6	61.6	61.6	62.9
63.0	62.5	65.3	72.3	70.7	66.5	64.4
62.2	61.9	61.9	61.8	61.1	60.1	62.9

С 1-го по всец 1961 59.1 59.7 61.7 64.1 66.2 67.5 67.8 66.8 65.4 63.7 62.4 62.2 62.3 62.7 62.4 62.6 62.5 62.3

Ведомство Академия Наук СССР

Обсерватория Татроны (Иркутск) Широта

Долгота

Элемент Горизонтальная составляющая

Месяц сентябрь Год 1961

$H = 19300$

$\epsilon_H = 5.45\% \text{ на } H = 19313$

Дня	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	суточи		
1	133	123	124	124	118	101	106	134	156	146	156	156	160	162	168	178	172	162	166	181	161	162	162	149	148
2	135	123	113	109	124	148	162	168	174	150	156	156	162	171	162	177	168	168	169	169	168	162	162	156	155
3	140	138	128	128	121	128	140	160	172	172	157	157	162	167	166	168	171	173	172	166	166	166	162	156	156
4	146	133	128	134	140	151	168	171	174	168	166	171	168	166	168	172	172	178	178	178	174	172	168	168	163
5	150	124	124	129	150	162	167	162	177	177	172	162	168	168	168	162	160	161	168	166	171	173	168	162	160
6	150	133	120	118	133	157	174	184	184	178	168	168	168	172	174	174	177	180	180	180	179	178	177	168	166
7	152	135	128	134	140	156	173	183	184	184	182	180	182	182	179	182	184	188	189	184	184	187	183	178	172
8	166	151	140	140	155	168	183	198	195	189	182	179	182	184	184	190	193	195	195	200	190	188	190	184	180
9	172	156	146	152	161	172	178	178	184	171	161	166	173	178	174	172	174	168	172	170	171	167	162	156	168
10	145	136	138	150	158	166	179	188	189	189	184	184	182	182	182	179	179	178	178	182	178	178	177	168	173
11	151	140	140	146	162	168	188	195	196	189	193	188	189	188	189	184	172	168	155	149	149	158	158	156	170
12	145	139	133	124	128	136	136	146	172	166	167	149	146	148	158	166	168	162	166	166	160	162	160	151	152
13	146	135	128	128	145	167	178	182	179	178	173	177	179	182	184	195	209	190	190	172	168	162	166	172	170
14	166	157	150	149	140	140	166	174	162	179	172	182	168	158	129	151	156	159	162	162	177	160	146	151	159
15	151	146	129	124	130	148	157	168	160	155	146	138	146	162	168	162	162	166	162	163	166	166	162	156	154
16	144	134	124	124	140	151	168	179	182	182	172	166	162	162	171	168	177	178	173	173	173	177	167	162	163
17	146	122	113	117	129	151	156	157	162	167	162	155	158	158	161	161	166	168	166	166	166	161	157	156	153
18	146	138	129	134	146	156	168	173	173	173	172	172	174	172	166	157	158	167	172	171	171	171	171	166	162
19	156	149	141	140	149	160	172	183	184	179	177	177	172	172	170	173	174	179	182	177	177	174	174	173	169
20	162	158	149	150	162	174	178	178	168	160	160	162	162	162	162	166	173	179	182	188	188	177	178	173	169
21	162	155	151	157	166	177	179	187	188	188	183	178	177	178	178	181	184	183	182	179	179	179	179	178	176
22	167	158	151	156	168	183	194	200	204	204	198	190	179	178	186	184	182	184	183	172	173	178	174	172	180
23	162	158	151	155	162	177	186	194	196	193	187	184	184	186	188	188	189	194	189	189	188	188	189	190	182
24	187	182	173	172	178	194	205	204	190	178	155	146	184	182	177	144	129	179	156	162	151	146	168	146	170
25	135	128	106	102	113	134	127	146	146	138	136	135	151	141	140	172	157	160	162	166	167	162	151	150	143
26	140	124	124	128	144	156	168	179	172	157	151	137	146	162	177	157	155	160	162	159	158	162	166	152	154
27	144	127	123	118	124	139	155	150	146	133	106	117	155	136	146	150	158	173	167	160	161	162	162	157	145
28	150	140	134	134	140	155	168	174	177	172	168	172	174	174	174	172	172	172	173	172	180	172	173	166	165
29	166	160	146	144	146	156	162	172	172	168	160	156	156	166	172	172	184	182	177	178	173	173	177	174	166
30	166	160	155	146	146	150	157	171	174	172	168	162	158	172	172	178	178	177	182	183	179	285	200	111	171
31																									
С. далее по всем дням	153	142	135	136	144	156	167	175	176	172	166	164	168	169	170	171	172	174	174	173	172	174	170	162	164

Ведомство Академия Наук СССР

Обсерватория Татроки (Иркутск)

Широта

Долгота

Элемент Вертикальная составляющая

Месяц сентябрь Год 1961

Z = 57300 + ...

$\frac{\delta Z}{Z} = 3.47/1000 Z = 57391$

Дата	Время																	Средн. суточн.							
	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	39	39	34	31	32	36	46	52	52	56	63	53	47	46	46	44	42	43	40	36	36	39	34	36	43
2	34	32	32	30	35	40	44	48	52	54	55	51	48	45	46	42	42	42	44	42	43	42	46	45	43
3	45	41	38	35	32	36	44	44	45	46	46	46	46	46	44	45	45	44	42	42	43	44	47	46	43
4	43	40	39	37	36	32	36	40	44	43	45	44	44	44	44	43	42	42	42	42	42	42	46	46	42
5	44	44	46	44	40	40	46	45	46	46	46	44	44	44	44	42	44	44	44	44	42	40	42	44	44
6	42	39	35	34	37	42	46	46	46	46	46	44	42	43	42	42	42	42	42	42	40	42	46	46	42
7	45	44	43	39	38	40	43	44	44	41	40	40	39	39	40	41	41	41	40	40	40	40	42	44	41
8	45	46	44	41	39	39	39	40	41	39	36	36	38	39	39	39	40	39	39	39	36	38	40	40	40
9	40	38	34	30	28	28	30	33	37	44	43	42	42	42	41	40	42	42	40	40	40	39	40	40	38
10	35	32	32	32	32	32	33	34	39	39	39	38	38	38	40	40	40	40	40	38	38	39	42	40	37
11	37	35	34	30	27	22	22	26	30	33	35	36	38	39	39	39	39	38	35	36	36	33	36	34	34
12	34	32	28	26	26	28	32	42	41	42	44	44	46	47	47	45	45	44	42	42	40	41	42	44	39
13	44	44	40	39	38	38	38	40	42	41	39	39	39	39	39	40	39	38	36	35	38	39	40	40	39
14	38	34	31	30	27	31	34	34	38	42	41	41	44	40	46	47	47	46	45	44	40	40	41	40	39
15	40	36	30	30	33	37	36	39	45	48	48	47	47	46	41	40	40	42	42	41	42	42	40	40	41
16	45	43	44	40	36	36	39	40	40	42	40	40	42	42	41	41	41	42	40	40	40	38	40	43	41
17	41	40	40	42	40	38	38	41	43	44	44	43	44	44	44	44	44	43	43	41	42	42	43	42	42
18	40	39	40	45	44	40	40	42	44	44	43	42	42	41	42	42	44	44	43	42	42	42	43	45	42
19	45	42	40	38	39	40	40	40	39	38	38	39	40	40	40	41	42	42	40	40	40	40	40	40	40
20	40	40	40	39	32	32	35	35	39	41	40	40	42	42	44	44	44	41	42	40	40	36	35	39	39
21	39	37	32	30	30	32	34	36	36	36	37	38	38	39	39	39	39	39	39	38	38	37	36	36	36
22	37	34	34	35	34	32	33	33	33	34	34	34	36	38	40	40	40	40	39	39	38	38	38	37	36
23	35	33	32	32	32	34	35	37	36	36	35	35	36	36	36	36	38	36	36	36	34	34	34	34	35
24	32	32	33	32	30	28	30	30	32	36	40	42	44	40	40	32	40	35	32	32	33	34	36	32	36
25	39	37	32	33	32	34	38	46	47	51	51	50	46	44	45	42	42	42	42	42	40	40	38	39	42
26	40	36	34	33	32	32	36	38	40	42	44	45	46	45	40	37	38	36	36	36	39	39	39	40	38
27	42	39	38	34	38	40	43	48	49	52	56	60	51	50	50	48	48	42	40	40	42	42	42	44	45
28	46	42	40	38	33	30	30	34	39	40	40	41	40	40	40	40	40	40	40	40	40	39	40	40	39
29	38	38	35	34	34	33	30	32	38	42	40	42	42	42	42	42	41	36	38	38	38	38	39	40	38
30	41	40	40	40	36	31	30	30	32	39	40	40	41	41	40	40	40	40	40	38	38	38	23	-4	3
31																									
Средн. по всем дням	40	38	36	35	34	34	37	39	41	43	43	43	42	42	42	41	42	41	40	40	39	39	39	40	40