

Ведомство НН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент склонениеСреднемесячн. D = 9°00.8'Месяц январь Год 1968D = 9°00.0 + ...E_D = 0.357/мм; D₀ = 8°54.4', 8°54.7'

Время мировое																							Средн. суточн.		
Дн ^м	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	1.2	-2.8	-4.7	-4.8	-1.6	-0.6	-0.8	-2.4	-1.4	-1.0	1.3	2.6	1.0	2.2	4.2	5.0	3.8	1.4	1.7	2.9	3.6	2.0	2.8	1.0	0.7
2	0.6	0.7	1.2	1.4	3.1	2.6	1.0	1.0	-0.1	2.8	7.1	4.6	4.2	5.4	5.2	5.6	11.5	8.3	6.4	7.5	7.4	7.2	3.8	3.4	4.2
3	2.2	0.8	-0.4	0.1	0.4	0.2	-0.1	-1.2	1.4	1.4	1.3	0.9	1.4	1.6	1.8	2.0	1.6	1.7	2.2	2.3	2.2	2.0	2.0	0.6	1.2
4	3.1	2.4	2.6	2.0	1.0	0.4	-0.9	-1.6	-1.2	0.0	1.2	0.2	0.2	0.6	1.0	1.3	1.5	2.7	3.6	4.9	4.2	5.4	6.7	1.5	1.8
5	3.4	1.7	1.8	1.3	-0.1	-1.5	-3.0	-4.1	-2.7	-1.0	0.2	0.2	0.9	0.7	1.0	3.6	2.3	1.6	1.6	2.0	4.5	5.2	5.9	5.8	1.3
6	4.2	3.0	-0.1	1.7	-0.2	-0.6	-2.8	-3.4	-3.8	-1.9	0.6	0.5	0.6	2.2	8.6	2.8	4.7	3.2	3.8	2.8	-1.1	2.2	3.0	1.3	1.3
7	-0.1	0.6	1.1	1.8	1.4	0.2	-1.3	-1.2	-0.5	0.0	0.2	0.6	0.9	1.4	0.9	1.3	0.5	0.6	1.2	0.8	1.0	0.9	-0.4	1.1	0.5
8	1.2	1.6	1.8	1.6	0.3	-0.9	-1.9	-2.4	-1.6	0.2	1.6	0.0	-0.2	0.0	0.6	1.7	0.5	1.3	0.6	0.9	1.0	0.8	0.6	0.5	0.4
9	0.4	0.4	1.2	1.3	1.2	1.3	0.6	-0.5	-0.8	-0.8	-0.4	-0.8	-0.5	0.0	-0.4	-0.2	-0.1	2.2	1.0	0.9	1.3	1.4	2.0	2.0	0.5
10	0.9	1.2	1.3	1.2	0.6	0.2	-0.2	-2.8	-2.7	-0.9	-0.6	-1.6	-1.4	-0.4	-0.4	-0.4	0.2	0.5	1.3	1.6	1.3	0.9	0.9	0.6	0.1
11	0.9	0.6	1.0	0.9	0.5	0.2	-0.5	-2.1	-2.6	-1.2	-0.8	-0.6	-0.4	-2.3	-0.3	-0.6	1.7	5.2	8.1	3.6	3.6	2.2	7.8	7.0	1.3
12	3.4	1.6	1.4	-0.2	0.2	-1.7	-1.9	-2.3	-1.4	-0.4	0.2	0.2	1.3	-0.9	-0.4	3.4	3.7	2.7	1.1	7.4	7.0	6.0	2.5	0.0	1.4
13	-0.8	0.6	0.8	0.4	0.6	-1.4	-0.8	-0.2	-0.4	-0.7	0.3	-0.8	-0.6	-0.2	0.2	1.3	1.2	2.3	2.7	2.7	2.8	5.3	6.7	4.2	1.1
14	2.1	0.3	1.2	0.9	-1.8	-0.8	-0.1	-0.8	-0.8	-1.0	0.3	-0.1	-1.4	-0.4	0.6	1.5	1.4	1.6	2.7	3.4	7.2	5.2	3.3	1.8	1.1
15	1.3	0.1	0.0	0.6	0.0	-0.9	-0.8	-0.8	-1.6	-1.3	-0.2	-0.2	-0.3	-1.9	1.0	1.4	3.6	3.4	4.1	6.8	6.4	8.1	6.1	6.2	1.7
16	0.9	1.2	0.6	0.9	0.7	0.6	0.0	-1.3	-1.5	-0.2	0.4	-0.2	-0.2	0.0	1.2	0.3	1.3	4.8	5.3	2.4	2.4	2.0	0.0	1.4	1.0
17	0.8	0.2	0.2	0.8	-1.4	-1.5	-2.2	-0.5	-0.1	0.9	0.8	0.6	0.6	0.8	0.0	5.2	1.5	1.6	1.4	-0.7	0.2	2.8	2.2	1.6	0.7
18	-1.3	-2.6	1.2	-0.2	0.0	-0.5	-0.5	-0.5	-0.9	0.6	0.9	1.4	1.6	0.8	3.8	1.9	0.2	0.4	-0.2	0.2	0.2	0.2	0.2	0.2	0.3
19	0.1	0.0	0.9	0.6	0.2	0.2	0.3	0.6	-2.1	-0.8	0.2	2.5	0.0	0.0	1.4	1.2	6.0	5.8	3.8	2.3	1.6	-0.4	0.0	-3.6	0.9
20	-2.8	-1.0	0.2	1.6	1.6	-0.1	-0.8	-0.3	-1.0	-1.0	4.0	0.6	-0.2	3.2	3.7	0.9	0.8	1.3	1.1	2.9	2.3	0.9	0.4	-0.2	0.8
21	-0.5	-0.2	0.4	1.2	0.7	0.2	-0.4	-1.1	-0.9	0.0	1.3	1.2	1.6	2.3	2.4	1.4	1.0	0.4	0.2	0.2	0.4	0.4	-0.2	0.5	0.5
22	-1.4	-0.4	0.6	1.3	0.6	-0.4	-0.9	-3.0	-3.2	-1.8	0.0	0.2	-0.4	-0.2	2.4	4.9	4.0	0.3	0.8	0.3	-0.5	-0.2	0.2	0.0	0.1
23	-0.4	-0.8	-0.4	1.6	1.5	0.1	-0.2	0.9	0.0	0.2	0.2	0.2	-0.3	0.2	-0.2	0.9	3.4	2.6	1.9	1.9	-3.7	-2.0	0.4	0.2	0.3
24	-0.5	-1.0	0.2	2.0	1.8	0.4	-1.4	-2.1	-3.5	-1.4	-1.4	-1.2	4.0	0.2	0.2	3.8	2.1	1.4	1.3	0.0	0.6	0.6	-0.9	-1.0	0.2
25	-0.2	-0.2	0.2	1.4	1.4	0.6	0.2	-0.8	-1.2	-0.9	-0.5	0.0	-0.5	-0.7	2.0	0.8	0.2	-0.2	-0.2	0.3	0.8	-0.9	0.3	0.1	0.1
26	-0.4	-1.2	-0.2	-0.2	-0.8	-1.5	-2.4	-1.6	-0.9	-0.9	-0.7	-0.4	0.4	1.6	1.6	9.6	7.8	5.0	1.4	0.3	0.9	1.0	0.2	-0.2	0.8
27	-0.1	-0.2	0.9	1.3	0.9	-0.4	-0.8	-0.3	-0.2	-0.6	-0.8	-0.5	-0.4	-0.3	-0.2	1.0	2.4	2.2	1.8	4.1	2.0	-0.8	-2.1	2.0	0.5
28	-1.6	-6.2	-1.4	1.0	1.8	1.4	0.2	-1.3	-1.7	-0.6	-0.1	0.2	-0.5	-0.7	-0.1	-0.7	1.7	3.3	4.0	-0.6	3.7	2.1	3.4	-2.4	0.2
29	-4.4	-4.2	-3.9	-2.3	-0.7	-0.1	0.1	-0.3	-0.7	-1.4	-1.9	-1.4	-0.6	-0.9	-0.6	-0.2	-0.2	0.7	4.0	5.5	3.7	5.7	3.7	2.4	0.1
30	1.8	1.6	-1.2	-0.4	-0.8	0.3	-1.0	-0.3	-0.2	-0.2	-0.4	0.0	0.6	0.2	-0.5	-0.2	2.0	0.9	2.2	2.2	1.6	1.0	0.5	0.6	0.4
31	0.7	0.2	-1.0	1.4	0.8	0.0	-2.2	-4.6	-3.9	-3.3	-1.9	-1.2	-1.1	-0.6	1.4	1.6	0.4	0.1	0.2	0.2	0.2	0.2	0.1	-0.3	-0.5
Среднее по всем дням	0.5	-0.1	0.2	0.7	0.4	-0.1	-0.8	-1.3	-1.4	-0.6	0.4	0.2	0.3	0.4	1.4	2.0	2.3	2.2	2.3	2.3	2.2	2.2	2.0	1.2	0.8

Вариометр Н-Боброва (I-XII, 1968)Обработал ТросековаПроверил Федотова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Среднемесячн. H = 17156Месяц январь Год 1968Элемент горизонтальная составляющаяH = 17060 + ... ; $\epsilon_H = 2.36\% H_0 = 17068$

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	36	57	65	42	53	53	52	62	62	60	68	44	40	38	48	46	55	74	78	79	65	67	74	79	58
2	81	84	88	85	81	79	70	48	33	10	10	-8	36	38	21	19	59	32	41	68	56	52	53	58	50
3	62	66	65	65	64	62	63	72	79	76	74	78	80	82	82	81	84	84	84	84	82	84	86	85	76
4	91	91	87	76	72	76	84	92	96	96	88	88	89	90	93	95	93	93	88	86	86	92	82	75	88
5	86	88	88	84	86	86	91	98	102	110	108	104	102	105	96	88	93	100	102	102	100	92	84	74	95
6	82	92	98	97	91	91	99	95	102	100	102	95	92	93	122	105	81	84	84	83	89	94	88	90	94
7	95	98	94	86	82	86	92	94	98	100	100	100	100	100	93	98	102	96	98	100	100	102	104	102	97
8	100	101	96	91	84	81	84	91	93	100	98	104	102	102	104	112	118	100	102	102	102	105	106	107	99
9	107	108	105	102	98	94	98	99	102	105	107	108	108	109	109	106	107	114	107	107	107	107	107	106	105
10	105	108	105	100	91	86	86	95	104	106	102	105	104	98	100	100	106	106	106	107	106	102	102	105	101
11	107	106	105	102	96	94	96	100	105	108	109	109	115	118	114	92	97	100	106	88	88	100	96	88	102
12	88	92	82	80	88	84	84	88	95	100	100	98	98	96	94	98	80	92	108	78	94	86	87	95	91
13	98	95	91	90	86	80	85	88	84	81	80	81	88	91	92	94	100	100	100	100	100	104	98	88	91
14	94	95	88	87	87	87	88	88	90	89	90	92	95	92	98	100	108	104	102	120	93	94	97	90	94
15	93	90	92	96	100	102	100	96	98	97	97	96	91	76	84	94	92	92	95	86	79	88	100	81	92
16	89	86	87	90	90	88	90	92	95	98	97	91	96	95	98	100	110	118	81	92	90	97	104	100	95
17	102	106	102	95	88	90	98	98	85	98	97	97	88	100	98	114	101	100	100	116	114	113	106	106	100
18	98	97	103	102	102	98	88	95	101	106	96	96	95	92	102	102	100	107	108	108	110	111	112	101	101
19	112	112	110	106	102	100	98	98	102	94	98	98	108	106	100	100	134	104	90	100	102	100	98	109	103
20	112	106	102	96	94	96	96	92	94	96	94	93	86	93	92	96	102	102	108	114	104	104	105	106	99
21	107	106	103	100	92	93	84	75	85	96	95	98	97	94	94	104	112	110	109	109	112	110	108	109	100
22	109	111	110	104	95	97	98	106	108	112	110	108	108	102	109	109	98	98	107	104	104	105	105	108	105
23	110	110	105	105	100	98	96	102	104	105	106	107	109	110	112	106	109	112	109	104	118	110	110	110	107
24	109	110	108	110	108	105	102	100	104	98	107	107	100	102	102	112	111	106	112	130	117	102	102	105	107
25	108	108	102	102	100	100	100	108	114	114	111	108	108	107	109	109	114	114	113	116	113	119	112	113	109
26	112	110	110	107	110	109	109	112	107	106	109	106	100	98	112	132	76	88	98	106	112	108	107	104	106
27	106	105	112	112	109	104	102	102	104	107	106	107	104	100	105	106	111	101	118	106	100	100	108	112	106
28	102	108	96	92	89	85	86	86	92	94	100	101	102	100	96	102	97	93	102	105	104	96	105	102	97
29	106	104	93	95	95	96	95	86	94	92	92	95	97	99	98	103	104	103	108	94	96	110	92	102	98
30	98	85	88	91	86	86	92	95	98	95	96	98	101	100	102	100	120	105	105	102	100	114	116	99	99
31	114	108	102	101	93	90	90	92	94	95	102	105	102	100	111	107	108	106	107	110	108	110	109	105	103
Среднее по всем дням	97	98	96	93	91	90	90	92	94	95	95	94	95	94	96	98	100	98	99	100	98	99	99	98	96

Обработал ЗгороваПроверил Тросекова

Ведомство АН СССР
Обсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'

Среднемесячн. $\bar{z} = 56636^{\circ}$

Элемент вертикальная составляющая

Месяц январь Год 1968

$\bar{z} = 56620^{\circ} + \dots$; $\epsilon_z = 1.47^{\circ}/\text{мм}; \bar{z}_0 = 56635^{\circ}$

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	0	-4	-1	11	13	18	20	23	28	31	31	40	40	44	42	41	37	30	29	25	21	20	18	19	25
2	21	23	25	25	23	19	15	24	40	53	72	86	58	60	59	58	35	36	37	29	26	22	19	19	37
3	20	22	25	29	29	30	22	26	29	27	28	28	28	27	26	26	25	24	24	24	22	21	19	25	
4	19	20	22	23	22	22	19	17	18	21	22	21	24	24	24	22	21	21	20	22	21	16	16	16	20
5	17	18	21	20	18	20	20	19	18	16	18	18	20	20	24	27	25	22	20	19	20	19	20	20	20
6	20	16	16	15	16	16	13	11	19	21	20	19	22	25	21	15	18	21	21	21	16	14	15	17	18
7	18	18	20	19	18	18	17	17	17	19	18	19	21	20	20	20	17	19	19	18	18	15	14	17	18
8	14	16	18	21	25	23	19	16	19	19	17	16	18	18	18	18	12	15	16	16	15	15	14	14	17
9	14	15	19	21	24	22	17	17	15	16	17	14	15	16	16	16	16	14	13	14	14	14	14	14	16
10	14	12	14	14	18	19	13	8	13	15	14	14	14	17	19	18	18	16	15	15	15	16	16	15	15
11	15	15	16	15	15	17	15	12	13	14	15	15	14	17	21	27	28	28	20	21	20	12	13	14	17
12	16	17	18	19	19	22	21	19	21	19	21	19	22	22	22	24	26	25	16	19	16	16	17	14	20
13	14	17	18	19	19	21	18	21	20	22	25	22	24	24	25	26	23	22	21	19	16	14	12	11	20
14	12	12	14	15	17	18	13	14	19	19	20	19	19	22	21	20	18	16	17	11	12	13	9	10	16
15	14	15	15	14	12	11	14	16	15	16	18	18	21	27	28	25	24	22	20	20	18	16	9	10	17
16	11	13	17	19	20	23	20	13	13	15	15	16	19	21	21	21	19	18	21	21	21	17	12	14	18
17	15	16	18	19	19	18	17	14	18	20	19	18	21	20	20	19	16	18	17	11	8	9	12	13	16
18	13	12	10	10	14	18	19	12	12	14	14	18	19	20	20	17	16	15	15	14	13	13	12	13	15
19	13	13	13	13	16	18	19	18	16	16	17	17	15	15	17	17	11	11	13	12	10	11	5	2	14
20	1	4	10	14	14	13	11	19	11	13	20	17	19	21	21	19	16	14	12	9	8	11	13	13	13
21	14	14	17	17	12	11	12	14	13	16	18	16	17	19	21	18	14	13	13	13	13	12	12	13	15
22	14	14	13	18	18	17	16	11	11	13	14	12	13	13	15	15	14	11	10	9	10	10	12	11	13
23	12	12	15	15	13	9	11	11	12	12	13	13	13	14	15	16	15	13	12	12	5	5	8	9	12
24	11	12	14	10	10	11	11	9	10	12	14	13	16	14	16	15	12	12	9	0	-1	2	6	9	11
25	10	11	14	16	14	12	13	12	9	11	11	12	12	14	13	11	11	11	9	8	8	6	8	8	11
26	9	11	11	8	5	6	10	10	12	12	11	12	14	14	13	3	9	10	11	11	11	11	11	11	10
27	10	11	12	9	4	6	7	7	9	12	12	12	13	13	13	13	12	12	8	6	7	5	0	-2	9
28	3	2	6	11	13	13	13	12	13	16	19	17	11	14	14	14	14	14	11	-1	4	6	5	3	10
29	-6	-6	0	6	6	10	14	13	17	17	18	18	18	17	18	18	17	17	17	15	15	9	9	4	12
30	3	7	8	6	6	6	8	11	8	10	15	15	14	13	13	15	12	11	13	12	12	12	10	9	10
31	8	8	10	10	8	3	8	7	6	11	14	14	13	14	14	13	12	12	11	10	11	11	9	9	10
Среднее по всем дням	12	12	15	16	15	16	15	14	16	18	19	20	20	21	21	20	18	18	16	15	14	13	12	12	16

Обработал Вгорова

Проверил Просекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Элемент склонениеСреднемесячн. D = 9°00.1'Месяц февраль Год 1968D = 9°00.0' + ...;E_D = 0.357/мм; D₀ = 8°57.3'; 8°57.0'; 8°56.9'

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	-0.7	-0.4	-0.3	0.5	1.4	0.7	0.5	-0.9	3.1	-3.2	-1.6	-1.3	-1.6	-2.0	-1.7	-0.6	-0.2	0.3	2.0	2.7	1.2	1.7	2.3	3.7	0.0
2	3.0	-0.4	1.2	2.4	2.4	0.7	-1.7	-2.7	-3.6	-2.5	-1.8	-0.8	-0.2	0.5	0.7	2.0	0.2	4.6	2.7	4.4	8.0	5.2	3.4	4.0	1.3
3	0.0	1.4	1.7	2.0	1.2	-1.3	-2.0	-0.6	-1.2	-1.7	-2.2	-0.2	-1.2	-0.4	-0.5	2.1	7.3	4.8	2.0	1.4	2.4	1.4	1.0	3.2	0.9
4	2.4	-1.5	-0.8	2.2	2.2	-0.1	-1.2	-4.8	-4.5	-1.6	3.0	-1.7	-0.4	-0.1	0.7	2.1	0.7	1.6	1.2	1.6	1.6	1.9	1.6	1.6	0.3
5	1.6	1.4	1.2	1.6	1.6	0.4	-0.9	-2.4	-2.2	-1.5	-1.8	-0.4	0.0	1.2	0.5	0.8	0.8	-0.2	0.2	1.0	1.4	2.7	0.4	1.9	0.4
6	1.4	1.2	1.6	2.7	2.7	0.9	-0.6	-1.0	-1.4	-1.6	-1.1	-0.6	-0.6	-0.6	-0.6	-0.4	-0.2	-0.2	0.2	0.4	0.5	0.4	-0.2	0.5	0.1
7	0.4	0.8	1.2	2.3	2.3	1.2	-0.6	-2.4	-2.5	-3.4	-2.7	-1.6	-1.0	-1.1	-1.0	-1.1	-0.4	-1.2	0.2	0.1	0.4	2.2	2.5	0.8	-0.2
8	1.6	0.5	-0.5	1.2	1.0	0.5	-0.4	-1.6	-2.7	-2.5	-1.6	-1.6	-0.1	-0.4	-0.6	-0.5	0.1	1.3	1.6	3.4	2.8	1.1	2.0	1.5	0.3
9	0.6	-1.4	-1.0	-0.9	0.0	-0.5	-0.5	-1.9	-3.2	-2.6	-1.9	-0.5	1.0	2.0	-0.2	0.7	1.3	2.2	4.2	5.0	6.3	5.0	3.6	5.6	1.0
10	2.7	-1.3	-0.1	1.8	-0.7	-2.3	-3.5	-3.3	-3.0	-0.7	0.1	-2.6	1.3	0.2	-0.1	-0.1	-0.7	13.1	4.7	5.9	6.4	3.1	-2.0	11.6	1.3
11	5.4	-2.0	-1.6	-1.5	-1.9	-5.5	-4.8	-2.7	-2.5	0.2	0.2	5.9	20.6	8.3	9.9	9.5	6.6	8.1	5.6	1.6	-1.0	3.0	6.4	3.7	3.0
12	3.4	1.4	0.2	1.8	2.3	1.3	0.7	-2.2	-1.6	-2.6	-1.6	-0.8	-0.4	0.6	0.6	0.9	0.6	3.2	1.6	1.3	0.6	0.2	-0.1	-0.1	0.5
13	-0.2	-0.1	0.0	1.6	3.0	1.8	1.6	-0.6	-1.3	-0.7	-0.3	0.6	7.0	2.2	0.5	0.8	9.5	4.7	0.2	-0.2	-0.6	-1.0	-1.6	-1.6	1.1
14	-1.6	-1.4	0.2	1.6	1.4	-0.1	-1.8	-3.0	-3.5	-3.3	-2.8	-2.4	-1.5	-1.6	-1.6	-1.2	-1.4	-1.2	-0.9	-1.0	-1.0	-1.8	-2.3	-0.7	-1.4
15	-1.1	-1.0	-0.5	0.6	1.4	-0.1	-0.9	-2.6	-5.0	-4.6	-0.1	-1.3	-1.2	10.6	7.7	4.4	5.0	-1.0	-1.1	0.2	1.0	0.6	-2.0	-3.0	0.2
16	-2.0	-1.3	-1.4	-0.2	0.4	-1.0	-2.0	-2.0	-2.3	-1.8	1.5	1.8	0.8	1.4	2.6	1.9	-0.3	0.3	-2.5	0.1	-1.3	0.4	0.1	-2.5	-0.4
17	-4.0	-1.0	-0.6	0.0	0.5	-0.2	-0.8	-1.7	-1.6	-0.8	-0.2	-1.1	8.0	-1.6	2.4	0.8	0.0	0.8	-0.2	0.0	-5.7	-3.0	0.5	-1.4	-0.5
18	-1.0	-1.3	-0.6	-0.1	-0.2	-2.1	-2.4	-1.7	-2.0	-0.4	2.6	-0.2	1.8	4.3	3.9	1.9	4.0	5.1	4.9	3.8	0.1	-1.0	-1.5	-0.2	0.7
19	-4.7	-3.9	-5.2	-2.6	-0.2	-1.2	-2.4	-2.9	-3.4	-2.5	-1.6	-1.5	-0.8	-0.7	0.0	-0.3	-0.3	-0.2	-0.2	-0.4	-0.2	-0.2	0.0	-0.2	-1.5
20	-0.3	-0.6	0.5	1.6	1.5	0.2	-0.6	-1.3	-3.1	-2.0	-2.5	0.6	2.6	4.8	6.0	3.7	6.4	5.6	2.1	1.5	2.0	-7.0	-4.0	-1.0	0.7
21	-5.2	-3.8	0.0	1.2	1.8	-0.2	-1.3	-3.2	-4.0	-1.3	-1.5	2.3	-1.2	-1.2	3.8	1.9	-0.2	2.1	0.8	-2.2	1.9	0.8	1.7	0.6	-0.3
22	0.1	-0.5	0.6	2.4	3.0	1.6	-0.2	-2.0	-3.8	-4.2	-1.6	0.9	-1.6	-1.0	-0.6	1.0	0.5	0.4	-0.6	-1.0	-1.1	-1.2	-1.3	-1.4	-0.5
23	-1.4	-1.0	0.1	2.4	3.6	1.9	-0.6	-2.5	-4.0	-4.2	-2.4	-2.1	-1.3	-1.6	-1.3	-0.8	2.4	0.6	-0.2	-0.9	-2.0	-2.1	-1.8	-1.3	-0.9
24	-1.3	-0.7	0.6	2.6	2.4	1.0	-1.1	-3.1	-4.4	-3.8	-2.8	-2.0	-1.7	-1.4	-0.8	0.2	0.0	-0.5	0.5	0.0	-0.9	-1.3	-1.1	-1.0	-0.9
25	-1.0	-0.6	0.5	2.6	3.4	1.9	-1.2	-3.3	-4.2	-4.2	-3.1	-2.4	-1.7	-1.3	-1.2	-0.2	0.1	-0.2	-0.2	-0.2	-0.3	-0.6	-0.7	-0.6	-0.8
26	-0.9	-0.6	0.1	2.5	1.9	-0.6	-2.6	-4.5	-4.9	-4.8	-3.8	-3.1	-2.6	-2.4	-2.4	-2.4	-2.2	-1.5	-1.0	-0.4	0.1	1.0	0.1	0.1	-1.5
27	-2.1	-1.0	0.7	3.5	3.8	2.1	-0.6	-3.1	-4.2	-4.5	-4.2	-3.9	-3.1	-3.2	-3.0	-0.9	-2.0	-1.8	-1.6	-1.7	5.6	7.2	4.0	4.7	-0.4
28	3.0	1.3	-1.7	0.8	-0.2	-1.2	-2.4	-4.2	-5.2	-5.6	-5.2	-4.6	4.2	-0.9	-1.4	6.1	3.3	4.0	7.0	8.7	11.1	8.5	2.1	4.4	1.3
29	2.5	1.7	-1.8	-1.8	-0.2	0.0	-1.7	-2.9	-3.0	-3.0	-2.0	-1.1	3.5	0.2	-0.5	-0.2	2.4	0.8	1.4	4.2	3.4	0.1	0.7	0.1	0.1
30																									
31																									
Среднее по всем дням	0.0	-0.6	-0.2	1.2	1.4	0.0	-1.2	-2.4	-3.2	-2.6	-1.5	-0.9	1.0	0.5	0.7	1.1	1.5	1.9	1.2	1.4	1.5	0.9	0.5	1.1	0.1

Обработал КросековаПроверил Вгорова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент горизонтальная составляющаяСреднемесячн. H = 14156⁸Месяц февраль Год 1968H= 14060⁸ + ... $\varepsilon_H = 2.36\%$; $H_0 = 14068$; 14067⁸

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	108	110	116	121	118	108	104	106	112	114	117	114	110	112	112	111	108	114	105	105	108	102	108	111	
2	96	108	107	100	97	93	93	94	98	86	96	102	97	93	95	105	100	96	98	88	91	98	95	98	
3	100	84	84	79	76	79	86	84	86	92	88	90	94	96	90	116	92	91	102	94	96	100	95	91	
4	93	98	98	100	85	74	68	69	80	81	68	53	72	75	82	86	98	93	95	96	94	96	98	85	
5	98	98	98	97	92	89	88	92	95	93	94	92	94	105	105	98	107	112	112	98	102	100	102	98	
6	98	98	95	96	96	98	100	100	105	106	106	103	104	105	105	105	106	103	103	106	105	106	107	103	
7	107	107	104	102	95	91	94	105	110	114	114	114	114	114	114	112	110	115	116	124	114	116	113	110	
8	116	108	108	114	110	100	99	103	102	96	100	98	98	98	98	118	108	104	112	98	116	108	98	105	
9	96	86	82	74	68	66	67	74	74	70	68	70	92	89	92	94	92	98	91	92	88	106	90	84	
10	94	90	88	80	84	76	78	86	88	82	88	86	88	98	100	105	110	124	76	76	69	55	72	87	
11	76	77	69	62	40	54	51	52	50	44	-4	4	42	22	16	22	34	62	61	72	74	65	66	49	
12	68	58	64	63	56	53	58	72	80	85	79	78	78	80	84	86	90	98	98	94	98	98	98	80	
13	100	102	102	104	96	86	68	68	68	71	84	86	71	78	92	98	148	94	100	100	100	102	101	92	
14	100	102	102	98	96	91	88	90	98	100	102	106	107	110	112	110	112	116	114	117	114	120	114	106	
15	114	119	124	125	116	109	109	107	118	108	72	70	78	77	82	73	73	92	92	95	94	92	94	98	
16	97	102	106	108	106	104	99	98	104	105	95	86	83	99	94	122	101	108	107	108	108	108	98	102	
17	99	101	101	105	100	96	91	94	97	97	102	94	106	92	100	100	102	116	120	112	120	96	97	102	
18	97	100	100	100	99	102	104	92	72	72	70	66	74	88	73	87	99	107	92	98	104	97	104	92	
19	88	96	94	93	83	78	79	84	99	102	100	99	99	98	99	100	103	105	105	104	106	106	106	97	
20	103	101	104	105	104	99	92	86	83	83	86	88	82	73	83	80	87	96	88	89	97	94	96	91	
21	78	82	83	78	73	75	71	80	90	78	78	98	94	90	106	95	92	96	102	104	118	106	100	90	
22	96	96	97	96	97	78	87	94	94	92	92	98	99	101	102	114	122	108	108	111	108	108	110	101	
23	112	113	113	110	99	86	82	86	96	101	106	108	111	111	110	111	122	111	111	113	114	110	110	107	
24	112	114	114	108	101	90	84	86	88	100	100	101	108	108	111	112	113	113	114	113	110	111	111	106	
25	112	113	113	113	108	101	96	87	88	96	103	108	110	110	110	115	110	113	125	114	112	115	118	108	
26	119	118	114	111	100	97	92	94	97	104	110	114	115	115	115	118	120	118	118	124	113	114	111	111	
27	120	126	125	123	110	100	99	102	107	106	111	111	115	119	123	117	118	123	121	130	103	104	92	114	
28	99	94	96	101	102	96	97	97	106	114	117	108	80	71	52	53	82	72	57	66	52	70	72	85	
29	65	71	84	75	71	66	60	61	59	73	69	68	79	94	87	96	108	95	94	87	89	94	92	81	
30																									
31																									
Среднее по всем дням	99	99	99	98	92	88	85	88	91	92	90	90	93	94	95	99	102	103	103	101	101	101	100	99	96

Обработал БгороваПроверил Тросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Месяц февраль Год 1968Среднемесячн. $\bar{z} = 56633^{\circ}$ Элемент вертикальная составляющая $\bar{z} = 56620^{\circ} + \dots$ $E_z = 1.47^{\circ}/\text{мм}; \bar{z}_0 = 56635^{\circ}$

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	9	8	8	9	4	2	3	4	3	6	8	9	12	13	14	14	14	12	10	10	9	10	6	9
2	8	8	9	8	6	3	4	5	8	15	15	14	17	18	20	18	16	12	12	13	14	6	0	10
3	-4	4	12	15	16	15	10	9	10	15	18	17	14	17	18	11	14	14	14	10	11	11	9	9
4	12	11	13	17	14	12	10	12	14	24	32	29	27	24	24	20	16	17	16	15	16	15	14	14
5	14	13	14	17	14	13	14	11	9	10	15	16	16	14	14	15	13	11	9	7	4	3	5	5
6	9	11	14	18	16	14	12	10	9	10	9	11	12	12	12	12	11	12	12	11	12	11	11	12
7	12	11	14	17	18	14	11	11	11	13	10	11	10	10	10	10	11	9	9	9	8	9	10	9
8	7	9	11	13	15	13	5	2	5	9	11	15	15	15	17	12	11	11	12	6	8	3	-2	2
9	3	5	11	18	14	15	14	11	17	22	27	28	27	24	21	20	19	18	16	15	12	10	2	3
10	6	9	11	12	12	12	11	12	14	20	22	21	24	19	17	15	14	14	-13	-8	2	15	-9	-20
11	-9	-9	2	6	8	9	15	18	26	49	64	79	83	48	50	44	34	25	19	22	14	6	9	8
12	9	12	11	13	12	12	14	9	11	15	18	23	22	23	22	22	20	19	13	14	15	16	16	16
13	15	15	16	16	14	13	14	18	17	20	21	24	33	28	22	21	19	12	15	15	14	14	14	14
14	14	15	15	14	16	15	14	11	12	12	15	17	15	14	14	14	14	14	13	12	12	12	10	10
15	11	10	10	8	1	-1	1	5	6	12	26	28	27	37	30	28	26	0	3	8	12	13	11	11
16	14	13	14	16	12	7	7	6	8	13	19	21	24	20	21	11	14	16	11	9	11	11	12	11
17	9	10	12	14	12	8	8	9	10	14	14	19	23	18	22	21	19	17	12	6	2	-6	-1	5
18	8	10	12	12	8	4	6	9	14	23	31	30	28	25	25	22	18	9	3	9	9	3	9	8
19	9	10	9	12	12	8	9	10	9	9	13	15	14	15	15	15	13	13	13	11	11	11	12	14
20	14	15	17	14	11	4	0	2	11	28	26	30	31	36	36	25	22	16	10	8	3	-4	-1	0
21	3	6	14	16	11	12	15	15	12	17	24	24	19	21	19	18	15	14	14	6	5	-3	0	4
22	8	11	15	17	14	12	12	11	6	9	13	19	17	14	14	13	8	8	9	10	11	11	11	9
23	9	12	13	15	13	7	8	8	6	8	13	13	11	12	12	12	9	9	9	9	9	7	6	9
24	10	12	16	17	12	10	8	10	11	12	13	15	13	12	12	12	11	10	10	9	8	9	9	9
25	11	11	13	11	6	3	1	2	-1	3	9	11	11	11	11	11	11	11	11	5	6	8	8	8
26	8	10	12	9	5	4	6	8	8	8	12	11	10	10	10	10	9	9	9	10	5	6	5	5
27	5	7	10	11	9	6	2	2	0	1	6	9	9	9	9	11	10	10	9	7	-3	-4	-6	-3
28	0	3	6	7	4	1	-1	-1	-3	2	8	15	32	36	52	56	40	34	36	32	16	10	-1	5
29	12	14	16	20	18	19	18	19	20	23	28	31	28	22	21	19	14	14	15	12	12	15	15	14
30																								
31																								
Среднее по всем дням	8	10	12	14	11	9	9	9	10	15	19	21	22	20	20	18	16	14	11	10	9	8	6	7
																								13

Обработал ВзороваПроверил Просекова

Исследование АН СССР
 Обсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15' Элемент склонение
 Месяц март Год 1968 $D = 9^{\circ}00.0' + \dots$; $E_D = 0.358'/\text{мм}$; $D_0 = 8^{\circ}56.9'; 8^{\circ}57.6'; 8^{\circ}57.2'$
 Среднемесячн. $D = 8^{\circ}59.7'$

Время мирное Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	0.9	-0.6	1.8	3.4	4.1	2.4	0.8	-2.0	-4.1	-4.6	-4.1	-2.6	-1.4	-1.8	-0.2	1.9	6.6	4.1
2	0.2	0.4	2.0	1.9	1.0	0.2	-2.6	-3.5	-3.8	-4.6	-3.2	-3.0	-1.8	-0.4	0.1	-1.0	-0.4	1.4
3	2.4	2.4	3.7	4.0	3.3	1.6	-1.8	-4.6	-4.8	-1.0	-2.7	-2.2	-3.2	-1.0	-0.4	0.1	0.8	4.8
4	3.7	2.4	4.0	3.4	2.0	-0.4	-3.8	-6.5	-6.4	-5.2	-4.2	-4.0	-3.1	-2.4	0.6	1.9	5.0	5.3
5	5.0	3.7	1.4	2.6	1.1	-2.5	-4.6	-5.7	-6.4	-5.6	-3.2	-0.2	-2.0	-5.6	-0.2	0.8	-0.1	0.1
6	1.0	1.8	2.5	3.1	2.6	0.6	-2.0	-3.3	-4.5	-4.3	-3.4	-2.0	-1.6	-1.6	-1.1	-1.0	-0.7	-0.1
7	1.2	1.6	2.4	3.6	3.2	1.4	-1.8	-2.9	-3.5	-3.2	-2.8	-2.6	-1.8	-1.8	-1.7	-0.6	-0.6	0.4
8	0.1	-0.4	1.6	1.8	1.2	-0.2	-2.5	-3.8	-4.6	-4.4	-3.7	-2.8	-1.7	-1.6	-1.6	-1.6	-1.6	-0.3
9	-0.2	0.2	1.5	3.0	2.4	0.1	-3.0	-5.8	-5.9	-4.7	-3.8	-2.8	-2.0	-2.0	-1.8	-1.4	-1.5	-1.0
10	1.2	0.8	2.2	3.0	3.2	-0.4	-2.8	-5.1	-5.2	-5.6	-5.6	-4.9	-3.5	-2.0	2.8	5.4	4.5	1.9
11	0.1	1.2	2.6	2.6	2.4	-0.4	-3.0	-5.0	-6.2	-5.3	-3.9	-2.6	-2.2	-2.2	-2.3	-1.6	-1.6	-1.2
12	-0.6	-0.2	1.0	2.0	3.0	1.0	-3.2	-6.8	-7.6	-6.3	-3.2	-1.1	-1.3	-0.6	-0.4	-0.2	0.2	2.0
13	-0.6	0.0	0.8	1.6	0.8	-1.6	-4.4	-7.0	-6.8	-5.6	-4.0	-2.1	-2.0	-2.2	-2.3	-2.4	-2.7	-1.7
14	-0.5	0.8	1.6	2.2	1.6	-2.2	-5.4	-8.1	-7.2	-5.0	-3.3	-2.3	-1.9	-1.4	1.5	4.9	5.8	5.3
15	0.8	1.2	2.4	3.6	2.0	-0.4	-1.3	-2.0	-4.3	-3.7	2.2	0.7	3.5	6.4	-0.5	-0.1	1.3	1.4
16	-1.0	-0.3	1.5	2.2	3.3	1.2	-2.4	-5.2	-4.2	-3.8	-2.4	-2.3	10.0	7.9	-1.8	-0.5	-0.2	0.9
17	-0.3	2.9	5.2	5.8	5.2	3.0	0.7	-3.0	-3.2	-3.6	-2.4	-0.5	1.6	0.6	-0.4	-0.8	-0.9	-0.8
18	-0.7	0.8	1.5	4.0	3.4	0.5	-2.2	-5.2	-6.0	-5.5	-4.0	-2.4	-0.8	-1.3	-0.9	-0.3	1.4	-0.8
19	-0.7	0.0	1.6	3.0	3.0	1.0	-2.0	-3.9	-4.6	-5.0	-3.9	2.2	-0.8	-0.3	0.4	-0.3	1.1	5.0
20	-0.2	1.2	1.9	1.5	2.1	1.6	-0.7	-2.6	-3.6	-4.7	(2.2)	(1.0)	(2.4)	(1.3)	(1.2)	(-1.2)	(0.8)	(-1.8)
21	(-0.7)	(1.6)	(4.0)	(3.4)	3.8	2.2	-1.0	-4.0	-4.2	-3.7	-3.0	-2.4	-1.6	0.2	1.7	2.2	-0.1	-1.0
22	-0.7	0.8	3.8	4.8	6.0	3.5	0.4	-2.6	-4.2	-5.0	-4.0	-1.9	1.2	0.4	-0.1	0.6	0.0	-1.0
23	-1.0	1.1	3.8	5.3	5.4	1.7	-2.0	-5.7	-6.7	-6.8	-5.0	-3.4	-2.8	-3.2	-1.4	0.4	-1.2	-2.0
24	0.8	2.4	4.3	5.0	4.4	1.8	-2.1	-6.7	-9.0	-7.0	-3.0	-2.9	1.6	0.0	0.8	2.2	2.0	1.8
25	0.8	1.0	0.8	4.4	6.0	2.0	-1.1	-2.8	-3.2	-4.9	-3.8	-3.2	1.0	1.7	-1.4	-0.8	1.2	1.1
26	0.7	1.8	4.7	6.3	6.2	4.6	0.6	-3.4	-5.8	-5.8	-1.7	0.4	1.4	-1.4	0.4	0.4	3.1	1.8
27	-2.0	0.0	2.5	5.3	4.6	1.2	-1.8	-6.5	-7.5	-7.7	-4.3	-2.4	-1.6	-1.0	0.6	4.7	4.2	0.0
28	0.8	4.3	6.6	8.0	6.2	5.4	0.6	-4.5	-5.8	-6.4	-4.5	-3.4	-1.0	-0.3	-1.6	-1.4	-1.1	-0.6
29	0.8	3.8	4.7	2.4	2.6	2.4	0.4	3.0	-4.9	-5.6	-5.0	-3.0	-1.8	3.1	2.6	2.4	-0.2	-0.2
30	1.4	-3.1	0.8	4.7	3.4	1.7	-2.8	-5.0	-6.4	-6.0	-5.2	-2.5	0.8	-1.0	-0.8	3.7	5.7	7.1
31	2.8	4.4	5.4	6.4	4.5	2.2	-2.5	-4.8	-6.5	-6.8	-5.4	-3.4	-1.9	-1.4	-0.2	0.8	-1.0	-0.2
Среднее по всем дням	0.4	1.2	2.7	3.7	3.4	1.1	-1.9	-4.5	-5.4	-5.1	-3.5	-2.1	-0.7	-0.4	-0.3	0.6	0.9	1.0

19	20	21	22	23	Средн. суточн.
0.5	-0.6	-0.4	-0.1	-0.1	0.2
1.2	0.7	1.8	2.7	2.4	2.6
6.6	5.0	5.5	1.6	3.3	4.0
0.2	3.7	3.1	6.0	0.1	4.7
2.3	-0.6	3.2	4.8	1.9	2.0
1.5	1.2	2.2	-0.4	1.2	1.6
0.8	0.8	1.2	1.2	1.4	0.8
0.2	0.6	1.4	0.8	0.6	0.4
-0.2	-0.2	0.0	-0.2	-0.2	-1.0
1.7	-0.2	1.4	0.8	2.1	0.1
-1.2	-1.0	-1.1	-1.8	-1.5	-1.4
1.6	3.2	6.1	3.9	0.2	-1.6
-1.5	-1.7	-1.3	-1.2	-1.0	-1.0
1.4	-2.6	-1.7	2.6	-4.0	-2.8
-2.9	2.8	2.8	-5.2	-3.4	0.0
0.1	-0.6	-1.3	-2.2	-6.8	-5.6
-0.7	-0.8	-0.7	-0.4	-0.9	-3.4
0.6	0.4	0.2	0.4	0.0	0.1
0.1	0.1	0.4	-0.2	0.1	-0.4
(-1.2)	(-1.2)	(-1.3)	(-1.1)	(-2.4)	(-2.5)
-2.0	-1.6	-0.3	-0.6	-0.7	-0.6
-1.0	-1.0	-1.4	-1.4	-1.0	-1.0
-2.4	-1.2	0.2	-2.5	-1.8	0.2
1.7	0.9	-1.3	-2.9	0.0	0.0
1.3	-2.4	0.6	-1.0	-4.1	-0.6
4.4	0.0	-0.6	-0.6	-3.2	-2.6
2.2	4.6	3.4	3.4	-2.5	-2.4
1.4	0.8	0.0	-0.7	-4.2	0.0
0.1	0.1	0.2	0.4	-2.8	-1.6
8.8	1.5	2.3	3.4	1.1	2.6
-1.0	1.2	-2.8	3.1	-1.7	-4.2
0.8	0.4	0.7	0.4	-1.0	-0.4

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Среднемесячн. H = 17160Месяц март Год 1968Элемент горизонтальная составляющаяH = 17060 + ...; $E_H = 2.36\%$; $H_0 = 17067$

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	99	97	106	99	84	73	71	80	85	85	89	86	90	85	80	76	68	84	96	93	95	94	95	97	88
2	99	102	105	92	92	89	82	76	81	86	84	89	100	101	102	97	97	99	94	101	109	87	94	92	94
3	88	94	91	91	85	85	86	83	87	93	93	94	89	88	78	91	99	88	100	80	82	91	90	82	89
4	80	82	80	78	70	72	76	85	91	84	83	80	80	88	87	84	81	83	96	92	107	91	92	97	85
5	101	95	90	88	80	85	90	96	86	74	65	70	55	87	74	80	92	94	100	94	100	85	93	97	86
6	86	86	87	85	81	81	85	88	89	97	97	95	97	100	104	105	105	105	103	93	97	96	101	101	95
7	103	104	104	101	95	94	97	99	101	106	102	99	105	102	102	104	109	105	106	111	110	106	104	104	103
8	106	109	115	111	102	95	98	99	106	111	111	108	112	113	113	114	111	109	106	107	110	119	108	110	108
9	111	113	110	108	101	99	99	104	109	111	114	116	115	116	115	114	115	115	114	115	113	112	111	111	111
10	117	120	120	113	94	91	95	104	104	106	114	115	110	109	97	77	97	106	106	103	102	102	104	107	105
11	110	111	115	106	97	79	77	88	100	100	104	106	106	109	111	111	112	113	113	113	117	115	118	118	106
12	115	118	118	116	106	95	95	104	114	120	106	95	87	92	92	97	108	108	103	106	98	101	104	107	104
13	109	110	108	106	97	91	96	113	117	123	122	120	118	117	118	120	123	120	120	122	124	123	118	113	114
14	115	118	125	120	108	111	114	127	130	112	101	94	99	99	108	97	107	140	120	130	125	119	120	119	115
15	115	106	107	101	85	76	65	67	83	86	94	97	82	104	101	108	118	127	126	111	103	99	101	104	99
16	97	93	101	92	74	71	78	79	76	87	95	94	68	99	99	103	106	108	113	118	108	100	94	89	93
17	104	104	104	96	70	71	75	84	90	107	109	108	108	113	110	111	113	115	118	121	117	112	111	110	103
18	118	118	109	104	87	74	75	80	83	97	103	107	109	111	114	111	115	129	114	115	115	115	116	114	106
19	116	120	118	111	104	97	94	88	99	107	104	111	108	111	124	118	114	131	116	110	109	113	113	116	110
20	116	114	106	85	99	99	99	99	106	113	(110)	(102)	(99)	(119)	(125)	(110)	(112)	(112)	(113)	(117)	(117)	(111)	(111)	(111)	(109)
21	(111)	(115)	(107)	(101)	86	85	91	92	99	106	113	114	115	113	112	113	108	117	121	120	114	116	115	117	(108)
22	117	118	114	110	99	93	87	88	95	104	108	106	107	107	111	111	107	112	113	113	116	117	115	118	108
23	118	118	113	104	90	84	83	91	101	112	113	113	117	114	113	114	116	123	132	137	130	122	135	121	113
24	120	127	126	105	83	66	64	52	64	85	97	97	101	100	100	94	101	95	94	106	112	108	104	112	96
25	109	101	99	93	83	74	66	69	73	87	93	104	92	104	104	114	131	112	109	112	106	106	104	107	98
26	114	115	111	99	88	72	65	79	94	102	89	91	95	98	110	114	106	111	124	113	105	109	108	107	101
27	114	107	102	87	67	41	40	50	78	87	95	102	100	106	112	109	97	103	112	120	110	100	100	105	94
28	108	111	109	87	58	62	64	64	64	88	103	106	96	103	107	109	112	113	117	115	105	104	105	107	97
29	113	111	98	75	71	65	62	61	63	64	77	77	101	111	97	91	104	108	119	112	107	103	112	107	92
30	108	88	111	103	74	54	33	62	83	87	96	98	109	114	114	109	112	74	73	82	93	86	85	91	89
31	98	97	94	77	65	58	65	62	68	98	108	111	106	100	100	97	104	118	129	126	102	106	99	107	96
Среднее по всем дням	108	107	107	98	86	80	80	84	91	98	100	100	99	104	104	103	106	109	110	110	108	105	106	106	100

Обработал ТросековаПроверил Редомова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Среднемесячн. z = 56629^{*}Месяц март Год 1968Элемент вертикальная составляющаяz = 56620^{*} + ...; $E_z = 1.48$ мм; $z_0 = 56635$; 56632^{*}

Время мировое																							Средн. суточн.		
Дн ^м	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	11	11	17	18	19	12	8	6	9	17	21	24	23	24	27	31	30	24	17	17	16	16	15	16	18
2	15	13	14	12	11	4	6	10	10	14	21	22	17	18	18	18	18	20	18	17	12	11	11	10	14
3	13	14	17	16	12	6	3	0	6	14	15	21	22	26	30	26	22	24	8	12	14	8	8	11	14
4	14	14	13	9	6	6	1	3	6	15	27	28	28	26	28	29	28	24	14	14	8	8	2	3	15
5	3	4	7	6	4	2	2	4	11	18	28	37	42	35	28	25	20	18	16	15	9	10	8	7	15
6	10	12	13	14	10	6	1	3	8	9	14	18	15	14	13	13	14	13	12	13	11	9	7	8	11
7	9	11	11	9	4	2	2	4	6	8	11	10	11	12	12	12	10	10	9	8	6	7	8	6	8
8	5	6	6	6	3	-2	-1	2	3	6	8	10	9	7	7	8	8	8	9	9	8	3	4	5	6
9	6	7	8	7	3	-2	-3	2	3	5	5	8	6	6	6	6	6	6	5	5	4	5	5	4	5
10	3	3	4	2	-1	-4	-5	-3	-4	-2	4	8	9	11	18	24	22	14	13	11	7	7	8	9	7
11	10	12	12	10	7	5	3	2	5	8	10	12	11	10	10	11	9	9	10	9	9	7	5	6	8
12	8	8	10	12	8	3	-1	-1	2	6	12	16	18	18	19	16	15	10	9	3	0	0	3	6	8
13	11	12	13	12	9	4	0	-2	-2	3	7	8	8	8	8	6	6	8	8	6	6	5	5	6	6
14	4	6	9	8	6	2	-6	-8	-5	8	14	12	13	19	18	19	18	1	3	-2	-4	-16	-14	-12	4
15	-3	5	7	8	9	6	6	16	16	15	22	25	26	24	17	15	12	5	-9	-12	-13	-16	-8	-3	7
16	6	12	12	12	5	2	2	0	6	9	15	20	39	25	19	16	14	12	11	4	8	8	2	0	11
17	7	11	13	14	12	12	9	3	2	8	10	13	13	12	12	12	10	10	9	7	6	7	9	8	10
18	5	11	11	10	10	9	3	-2	0	4	9	11	12	12	10	10	11	3	5	4	8	8	6	6	7
19	5	7	8	7	2	-2	-2	-2	2	8	18	20	16	14	12	10	11	6	2	6	8	8	8	9	8
20	10	11	12	12	8	5	4	1	2	4	(12)	(20)	(19)	(12)	(9)	(11)	(10)	(8)	(8)	(8)	(6)	(7)	(5)	(3)	(9)
21	(6)	(10)	(12)	(15)	(11)	7	3	9	9	12	12	13	13	14	14	12	12	7	3	2	4	6	6	6	(9)
22	11	12	15	12	5	3	1	0	-1	3	8	10	14	12	11	10	10	9	8	7	5	6	6	7	8
23	9	10	12	10	6	4	-2	0	1	4	7	8	8	9	9	9	8	6	5	2	1	-2	-8	-4	5
24	2	6	8	10	11	4	2	6	8	16	21	22	25	19	19	21	19	12	11	8	2	-7	3	6	11
25	8	11	12	15	12	5	2	3	9	10	14	17	24	20	16	14	8	7	8	1	-1	1	0	5	9
26	9	14	17	18	16	10	6	4	6	12	22	24	24	19	18	13	14	10	6	0	5	7	5	3	12
27	2	3	8	12	12	9	8	10	13	15	19	19	15	12	14	15	14	14	9	4	-6	-4	-2	1	9
28	11	16	16	14	9	5	2	2	4	9	14	16	16	16	12	10	9	8	8	4	7	6	4	8	9
29	13	16	16	18	16	10	7	1	-1	11	20	25	24	21	22	19	16	16	9	8	10	9	5	3	13
30	5	7	2	2	4	6	7	3	2	5	14	21	20	16	14	19	12	5	6	-6	-10	0	4	10	7
31	11	14	16	14	10	8	2	2	2	3	12	14	17	19	18	16	14	6	-2	-7	-8	-6	-5	-13	7
Среднее по всем дням	8	10	11	11	8	5	2	3	4	9	14	17	18	16	16	15	14	11	8	6	4	4	4	5	9

Обработал ВгороваПроверил Редотова

Ведомство АН СССР

Обсерватория Ключи (Новосибирск)

Месяц апрель Год 1968

Широта 54°51' Долгота 83°15'

Элемент склонение

Среднемесячн. D = 8°59.0'

D = 9°00'00" + ...; ε_D = 0.358'/мин; D₀ = 8°57.2'; 8°57.5'

Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.		
Дни																									
1	-3.8	-4.9	0.3	3.1	0.2	0.8	-0.5	-5.4	-6.4	-6.4	-4.0	-2.4	0.3	0.8	0.9	2.4	0.1	0.2	0.4	-0.1	-0.1	-3.9	0.8	0.5	-1.1
2	2.0	1.8	5.1	6.0	5.1	1.5	-2.8	-5.0	-6.4	-5.7	-4.3	-1.0	-1.4	-0.4	0.6	-0.4	-0.7	-1.4	-3.2	-2.9	0.4	0.7	0.7	-0.6	-0.5
3	2.0	3.6	5.8	5.8	0.8	0.4	-1.8	-4.3	-6.8	-8.0	-5.0	-3.3	-2.3	-0.7	-0.2	1.1	0.4	-0.4	-0.7	-0.7	0.0	0.0	0.0	-0.4	-0.6
4	0.0	-1.0	0.0	1.8	2.7	0.7	-2.0	-4.8	-6.7	-6.1	-4.4	-2.4	-1.1	-0.6	-0.4	0.4	0.4	0.8	0.0	0.0	0.4	-0.3	-0.4	0.0	-1.0
5	0.7	1.0	1.4	2.3	2.6	1.0	-1.8	-5.1	-7.2	-7.2	-5.8	-4.3	-2.6	-2.5	-2.9	0.9	-1.0	1.1	8.2	6.3	14.8	11.0	2.6	-2.0	0.5
6	2.9	4.2	4.3	3.6	3.8	1.1	-0.9	-1.6	-0.6	-4.3	-5.4	-2.3	1.0	0.8	1.0	3.1	1.8	-0.8	2.4	0.8	-4.3	-0.8	-0.4	0.7	0.7
7	1.6	3.4	5.2	6.5	5.0	3.0	-0.7	-5.7	-5.8	-6.8	-5.8	-2.8	-2.0	0.4	1.8	0.0	-0.8	-1.1	-1.0	-0.3	0.0	0.0	0.1	0.5	-0.2
8	0.5	1.1	2.8	3.8	4.0	2.1	-1.3	-5.6	-7.4	-7.0	-5.0	-2.6	-0.7	-1.3	-0.8	-0.6	-0.3	-0.4	-0.4	-0.4	-0.4	-0.2	-0.4	-0.1	-0.9
9	0.4	1.8	3.6	5.0	4.4	2.3	-0.4	-4.3	-6.8	-6.8	-5.7	-4.0	-3.2	-3.2	-3.2	-2.6	-2.4	-1.4	-1.4	-0.8	-0.4	0.0	-0.4	0.4	-1.2
10	1.0	1.4	2.6	2.9	1.8	1.4	-1.8	-5.0	-6.8	-7.0	-5.6	-4.0	-2.5	-2.7	-2.1	-1.8	-1.4	-1.4	-1.3	1.4	0.7	-0.4	-0.8	0.8	-1.3
11	1.6	3.6	4.7	2.5	0.7	-0.6	-2.6	-5.4	-7.6	-7.5	-7.1	-6.8	-5.4	-4.3	-4.2	-4.4	-3.2	-2.1	-4.1	-0.8	0.4	0.6	0.0	-0.2	-2.1
12	0.6	2.5	3.6	4.2	3.6	0.7	-3.4	-7.0	-8.7	-7.1	-6.1	-4.6	-3.9	-4.3	-4.6	-5.1	-3.6	-2.5	-0.8	-2.3	-0.2	-3.0	-4.3	-1.4	-2.4
13	0.7	1.4	4.5	2.3	0.0	-0.6	-3.6	-5.7	-7.3	-7.2	-4.6	-3.0	-2.4	-2.0	1.1	2.8	4.5	3.0	-1.6	-1.0	-1.6	-4.8	-0.6	1.8	-1.0
14	3.1	3.6	3.6	2.0	1.3	-0.9	-2.7	-5.4	-6.8	-6.8	-6.4	-2.7	1.3	-1.8	-1.9	-1.4	5.4	2.7	1.1	-2.6	-0.4	0.0	-0.6	-0.5	-0.7
15	2.2	4.3	5.2	4.7	3.6	1.2	-2.0	-5.7	-7.9	-7.1	-6.4	-5.2	-0.9	1.2	-0.7	3.1	3.2	0.4	2.1	0.6	-1.2	-1.2	-3.9	-2.5	-0.5
16	-0.4	1.6	3.2	3.8	3.3	1.8	-1.0	-4.2	-6.0	-4.8	-4.2	-3.3	-2.1	-1.3	-1.0	-1.0	-2.1	-1.8	-0.8	-0.4	-2.4	-2.9	1.6	1.2	-1.0
17	1.2	2.8	4.7	5.2	3.6	-0.4	-4.0	-7.0	-8.2	-7.6	-4.0	-2.9	-2.8	1.0	-0.6	-0.8	-1.0	1.8	1.8	0.7	-0.6	-1.6	-2.5	0.0	-0.9
18	1.2	2.9	4.7	5.8	5.1	2.0	-2.3	-7.7	-9.0	-7.4	-4.6	-3.6	-2.4	-2.5	-1.0	-0.3	-1.0	-2.5	-3.4	-2.4	-1.3	-1.0	0.0	-0.7	-1.3
19	-0.2	1.4	2.8	3.1	1.8	-1.6	-4.6	-7.6	-8.9	-7.6	-5.7	-4.3	-3.0	-2.8	-2.0	-1.4	-0.8	-1.2	-1.4	-1.4	-1.3	-1.1	-0.6	0.2	-2.0
20	1.8	3.9	4.8	5.4	3.6	1.0	-1.4	-4.4	-5.7	-6.2	-5.4	-3.8	-2.1	-2.0	-1.8	-1.8	-1.8	-1.4	-1.0	-1.2	-0.8	-0.7	-0.3	0.4	-0.9
21	2.1	3.8	5.0	5.2	3.8	0.2	-4.6	-7.1	-7.9	-7.5	-5.7	-4.3	-2.3	-1.8	-2.6	-2.4	-2.1	-1.6	2.1	-0.7	0.6	-0.4	-0.1	0.7	-1.4
22	0.6	1.8	2.6	2.5	0.7	-1.8	-4.3	-7.0	-8.6	-8.6	-7.2	-5.7	-3.2	-2.5	0.7	2.2	0.1	-0.5	0.4	0.7	1.0	2.9	3.6	4.3	-1.1
23	3.0	-1.1	2.4	4.4	3.6	1.1	-2.4	-5.0	-8.2	-8.2	-6.8	-5.2	-2.5	-1.5	-1.0	-1.0	-1.4	-0.8	0.6	2.2	-0.2	0.4	1.1	0.0	-1.1
24	0.8	2.5	3.8	4.4	3.7	-0.8	-2.5	-6.0	-8.4	-8.6	-6.1	-4.8	-2.6	-2.1	-1.8	1.1	-0.5	-0.4	0.4	-0.2	-0.4	-1.1	-0.4	0.4	-1.2
25	1.7	2.9	4.3	5.2	3.9	0.0	-3.9	-8.4	-9.7	-9.8	-8.0	-5.4	-3.8	-2.6	-2.4	-1.4	-0.7	-0.2	-1.0	-0.4	0.0	-2.6	0.6	-0.4	-1.8
26	-2.2	-0.4	2.2	5.4	4.1	1.4	-3.6	-7.5	-8.7	-7.0	-5.3	-2.5	0.0	0.6	3.4	0.7	2.3	-0.1	0.7	-1.2	3.5	2.7	-2.7	-1.2	-0.6
27	-1.8	3.4	6.8	7.7	4.4	1.2	-3.4	-8.6	-9.0	-7.5	-5.2	-2.8	-0.7	-0.4	0.1	0.2	0.2	-0.4	0.0	2.1	-0.4	-0.5	0.1	1.4	-0.5
28	3.9	6.1	4.6	5.6	3.4	-1.8	-5.6	-8.2	-9.1	-8.0	-4.3	-3.3	-1.4	-1.4	-0.4	0.7	-0.2	-1.0	-0.4	-1.2	-1.3	-0.4	-0.8	0.4	-1.0
29	1.8	3.3	5.8	5.7	3.0	-1.8	-5.8	-7.9	-7.6	-7.9	-6.2	-4.0	-0.4	1.4	-0.4	1.8	0.4	-0.4	-0.4	-0.6	-1.8	-2.6	-0.6	-0.5	-1.1
30	0.7	3.3	4.8	5.4	4.0	0.6	-2.6	-6.6	-8.0	-8.2	-6.4	-4.6	-2.8	-1.3	-2.2	-0.8	-0.7	-0.1	-0.2	-0.2	-0.6	-1.1	0.4	3.2	-1.0
31																									
Среднее по всем дням	1.0	2.2	3.8	4.4	3.1	0.5	-2.7	-6.0	-7.4	-7.2	-5.6	-3.7	-1.7	-1.3	-1.0	-0.2	-0.2	-0.5	-0.1	-0.2	0.0	-0.4	-0.3	0.2	-1.0

Среднемесячн. $H = 17169^{\circ}$

Ведомство АН СССР
Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент горизонтальная составляющая

Месяц апрель Год 1968

$H = 17060^{\circ} + \dots$; $E_n = 236^{\circ}/\text{мм}$; $H_0 = 17068^{\circ}$

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	101	81	83	61	60	60	51	64	69	73	98	94	88	90	100	106	100	104	124	99	100	109	101	99	88
2	94	93	93	72	65	58	54	75	95	107	116	111	114	112	125	107	107	112	116	129	117	118	110	114	101
3	104	99	88	71	56	63	67	74	83	96	101	110	105	105	97	97	105	107	110	112	112	114	112	116	96
4	121	107	98	86	70	67	68	75	85	96	103	102	105	105	104	102	109	106	112	112	108	108	112	109	99
5	108	113	110	99	93	87	87	93	100	103	110	110	109	120	130	124	123	130	154	126	72	66	73	65	104
6	71	71	68	60	61	47	55	40	35	50	63	70	88	83	83	91	97	102	92	97	106	101	104	96	76
7	98	98	91	81	69	69	70	71	81	92	98	104	102	104	120	116	112	112	115	113	111	111	114	126	98
8	117	119	110	104	91	81	80	86	97	109	112	108	102	109	111	114	114	114	114	114	114	114	114	115	107
9	116	116	110	102	92	88	88	98	111	118	121	119	120	121	124	126	127	128	132	135	135	126	121	124	117
10	122	121	116	105	100	97	96	100	107	114	114	112	113	114	120	121	125	126	135	120	120	122	124	126	115
11	122	119	106	98	98	101	105	107	113	118	118	116	115	126	133	144	142	143	145	149	135	130	130	133	123
12	131	122	118	103	100	98	106	110	131	135	142	133	136	144	144	151	143	133	138	150	129	131	122	130	128
13	133	124	112	72	75	88	91	95	102	105	109	92	103	101	113	113	119	110	128	121	117	123	117	121	108
14	117	113	95	85	82	75	83	96	107	110	119	99	80	99	112	114	124	114	109	121	116	116	115	116	105
15	121	121	114	100	88	84	88	93	104	96	99	111	116	128	126	118	130	124	118	114	119	115	111	110	110
16	114	112	105	96	88	84	93	98	103	104	116	120	119	123	121	116	123	124	124	125	122	138	119	118	113
17	122	119	111	96	91	86	86	88	103	108	117	126	117	120	132	121	123	126	113	109	113	114	112	119	111
18	124	122	119	110	100	88	79	96	108	118	116	117	111	117	121	121	119	125	125	124	122	119	120	125	114
19	131	129	119	106	96	90	95	104	120	126	128	129	126	124	123	126	127	126	126	126	126	126	127	129	120
20	132	132	124	110	102	99	97	107	119	126	128	126	124	124	124	124	124	125	126	126	126	127	127	130	121
21	131	128	121	110	105	110	118	129	133	133	131	128	123	122	124	128	129	128	136	136	140	138	140	138	127
22	140	138	135	120	116	109	104	101	105	116	127	129	124	123	124	129	122	124	126	131	132	116	114	114	122
23	110	120	119	100	81	71	74	91	111	113	128	129	119	117	114	113	119	122	126	126	121	115	117	119	111
24	114	112	108	91	82	83	96	105	110	112	111	114	116	118	124	128	125	122	119	118	116	119	121	120	112
25	121	121	113	102	91	88	91	102	113	126	128	130	130	128	131	125	122	119	123	125	128	126	124	124	118
26	139	136	129	108	99	87	84	98	108	116	121	130	106	111	116	122	111	116	114	115	108	106	100	112	112
27	107	107	100	88	76	75	82	89	72	80	108	118	113	108	110	110	114	115	123	136	101	105	107	112	102
28	110	102	83	78	43	63	60	78	100	107	113	120	114	115	118	111	111	111	122	114	115	109	115	110	101
29	109	110	99	88	69	61	78	83	98	102	111	116	119	127	116	121	119	110	112	114	114	120	133	131	107
30	131	123	108	96	84	78	84	95	100	119	123	124	118	116	119	119	119	118	118	120	121	122	119	122	112
31																									
Среднее по всем дням	117	114	107	93	84	81	84	91	101	108	114	115	112	115	119	119	120	119	122	122	117	117	116	117	109

Обработал Редикова

Проверил Тросекова

Ведомство АН СССР
Обсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'
Месяц апрель Год 1968

Элемент вертикальная составляющая

$\bar{X} = 56620^{\circ} + \dots$; $E_{\bar{X}} = 1.48^{\circ}/\text{мм}$; $\bar{X}_0 = 56635^{\circ}$

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	-10	-3	-1	2	2	5	2	2	10	14	18	24	25	26	21	16	12	12	2	3	4	-4	2	8	8
2	11	15	14	14	14	9	5	4	6	8	16	16	16	14	11	12	12	10	8	0	0	-2	-1	-2	9
3	5	10	12	14	15	16	12	7	8	12	16	19	19	22	23	21	16	14	12	10	10	10	9	6	13
4	5	6	6	10	10	6	5	10	12	14	16	18	18	17	16	15	15	15	12	11	10	10	6	6	11
5	8	6	6	6	6	8	0	-4	-3	3	8	12	12	12	11	15	14	15	9	-12	-21	-36	-37	-4	1
6	10	18	20	20	20	12	10	16	24	19	22	28	39	28	26	22	11	3	4	5	-1	3	4	8	15
7	11	12	10	9	9	4	-3	-4	3	6	13	17	18	18	12	10	11	10	10	10	9	9	9	9	9
8	11	14	17	18	18	14	4	-1	2	5	8	12	13	12	12	8	8	8	8	8	8	8	9	10	10
9	12	12	12	15	13	10	3	-4	-6	-3	8	11	10	9	8	8	6	5	5	5	6	6	6	6	7
10	8	10	9	11	9	4	-1	-6	-4	-2	2	7	8	8	8	6	6	8	0	2	3	4	2	3	4
11	5	6	5	3	2	0	-5	-10	-9	-6	-1	8	6	4	4	3	4	3	4	3	3	3	2	3	2
12	6	6	5	5	2	0	-9	-16	-15	-10	-4	-2	-2	-2	-1	-2	0	3	2	-1	0	0	-3	-4	-2
13	-3	-1	-1	2	3	-1	-10	-15	-9	-1	9	16	15	15	14	14	10	9	-2	1	2	-8	-7	-1	2
14	-3	-2	-1	2	1	0	-4	-12	-9	-5	6	22	30	18	12	10	8	5	2	-4	2	4	4	5	4
15	5	4	2	2	3	-5	-13	-14	-10	-2	6	6	8	10	8	9	5	3	2	2	-1	-2	1	2	1
16	2	1	2	0	-3	-7	-17	-18	-10	-6	0	9	8	8	8	6	6	5	3	4	2	-10	-7	-3	-1
17	0	5	6	4	-6	-12	-19	-18	-12	-8	6	9	8	10	4	4	3	3	3	2	3	4	3	3	0
18	4	3	0	0	-3	-10	-13	-12	-7	3	9	12	9	8	6	6	5	3	0	0	2	2	3	2	1
19	3	4	6	8	6	2	-7	-10	-4	0	7	10	8	4	5	3	2	2	2	2	2	2	3	6	3
20	4	4	5	4	3	-2	-15	-18	-13	-7	-2	1	2	2	2	2	2	2	0	0	0	0	0	2	-1
21	5	5	4	2	-6	-14	-20	-26	-20	-12	-4	1	5	3	2	2	0	0	0	-1	-1	0	1	2	-3
22	0	0	-3	-4	-9	-12	-16	-16	-9	-7	-1	5	5	4	4	3	3	3	3	0	-4	-4	-1	1	-3
23	0	-5	-4	-4	-4	-6	-9	-8	-8	-5	4	10	9	9	8	6	4	3	2	-4	-6	-4	-3	-2	-1
24	-1	0	0	2	-1	-5	-8	-8	-6	-1	4	6	9	6	4	4	2	1	2	2	2	2	2	3	1
25	3	8	8	8	2	-3	-8	-10	-10	-6	0	2	6	3	2	3	5	3	2	2	0	-9	-9	-8	0
26	-12	-9	-7	-8	-14	-18	-20	-17	-7	-7	-4	2	8	10	10	-7	0	8	8	-12	-16	-14	-18	-10	-6
27	-9	-1	2	3	0	-4	-12	-8	-2	8	9	13	14	11	10	10	8	7	6	-2	-2	-3	3	5	3
28	8	11	10	6	0	-2	-5	-6	-10	0	10	12	10	3	2	2	2	2	2	2	-2	-2	6	2	3
29	4	5	10	11	4	12	13	5	6	8	12	16	17	16	12	10	6	6	6	6	6	-2	-5	-6	7
30	-4	2	2	2	-3	-4	-8	-6	-2	5	6	8	10	8	5	5	4	6	5	4	5	4	2	4	3
31																									
Среднее по всем дням	3	5	5	6	3	0	-6	-7	-4	1	7	11	12	10	9	8	6	6	4	2	1	-1	0	2	3

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Элемент СКЛОНЕНИЕСреднемесячн. $D = 8^{\circ}58.9'$ Месяц май Год 1968 $D = 9^{\circ}00.0' + \dots$; $E_D = 0.358'/\text{мм}$; $D_0 = 8^{\circ}57.5'$; $8^{\circ}57.2'$

Время мировое Дни																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	4.5	4.4	6.1	6.4	3.7	2.0	-1.4	-4.3	-6.4	-6.8	-6.2	-4.5	-3.2	-1.1	1.4	3.3	-1.0	-0.2	1.4	1.4	0.9	6.1	-0.2	4.5	0.4
2	6.1	4.9	4.0	3.4	0	-3.8	-6.4	-8.6	-8.1	-5.6	-3.0	-3.4	-2.1	-1.4	1.4	-1.1	-2.5	-1.9	-1.4	-1.1	-1.2	-0.7	0.0	1.1	-1.3
3	2.7	2.1	4.6	5.8	4.8	2.2	-3.2	-6.0	-7.8	-7.1	-4.7	-3.1	-0.8	-1.4	0.4	0.7	-1.7	-1.4	-1.7	-1.7	-1.4	-0.9	-0.2	1.4	-0.8
4	2.9	5.5	6.6	6.5	4.6	0.8	-2.9	-6.6	-8.4	-8.2	-6.5	-4.6	-2.4	-1.7	-2.4	-1.6	-1.1	-0.6	-0.6	-1.0	-1.4	-0.4	-0.4	1.5	-0.9
5	3.2	4.3	5.5	5.2	4.0	1.4	-2.2	-7.4	-9.0	-8.0	-5.7	-4.2	-3.2	-1.4	-1.7	-1.8	-1.4	-1.8	-1.5	-1.6	-1.1	-0.7	0.0	0.8	-1.2
6	2.4	3.6	4.3	4.0	1.5	-1.0	-4.0	-6.8	-8.1	-7.3	-6.4	-5.7	-4.4	-3.9	-3.4	-3.6	-4.5	-3.3	-2.3	-1.6	-0.7	-0.5	0.2	1.0	-2.1
7	3.0	4.9	4.9	3.9	2.0	0.6	-1.0	-11.5	-9.8	-6.0	-6.6	-4.4	-2.5	3.6	0.4	1.1	3.0	1.2	-0.4	0.7	1.8	2.4	5.8	6.8	0.2
8	5.6	8.6	8.6	7.6	5.4	2.0	-1.8	-3.6	-4.6	-4.8	-2.9	-1.4	-0.4	-0.6	-0.8	-0.7	-1.3	-0.6	-0.5	0.1	-0.2	0.2	-0.4	0.6	0.6
9	1.8	1.4	2.8	0.4	0.4	-2.8	-5.7	-7.5	-8.5	-6.0	-4.4	-1.0	2.5	3.0	2.6	1.6	3.6	1.0	2.5	3.0	-0.6	4.8	5.1	6.0	0.2
10	5.7	6.6	5.8	7.0	2.2	-1.0	-3.4	-7.5	-9.8	-8.9	-6.6	-5.0	-2.9	-2.5	-1.9	-3.0	-3.1	-1.8	-1.1	-0.6	0.1	0.7	1.0	1.8	-1.2
11	4.0	4.1	2.8	1.8	0.9	-0.8	-5.5	-6.4	-5.4	-5.0	-5.8	-3.6	-2.5	-1.3	1.4	-1.4	-2.2	-1.4	-1.6	-1.6	-1.4	-2.0	-1.1	0.7	-1.4
12	1.8	3.2	2.2	2.0	2.1	-0.7	-5.7	-8.9	-10.0	-8.0	-3.4	1.1	0.4	1.2	-0.6	-1.0	-1.5	-1.8	-1.8	-1.8	-4.4	-2.3	-0.1	2.1	-1.5
13	3.3	1.8	2.5	0.8	-2.4	-6.0	-8.4	-9.9	-10.1	-7.8	-4.9	-3.8	-2.7	-1.4	-3.2	-0.6	1.0	-1.0	-0.6	-2.8	-2.8	-1.4	0.2	2.8	-2.4
14	5.4	6.3	6.2	6.2	2.9	-1.0	-4.4	-7.8	-9.6	-7.4	-5.6	-3.5	-1.7	-1.2	-0.2	-2.2	-2.8	-2.2	-3.2	-3.0	-0.2	0.4	0.9	1.8	-1.1
15	4.2	5.8	6.3	4.4	2.0	-0.2	-4.0	-7.1	-7.2	-6.7	-6.4	-4.9	-3.4	-2.8	-2.7	-2.7	-2.4	-2.2	-2.0	-1.4	-1.0	-1.0	-1.2	1.3	-1.5
16	3.7	5.4	3.2	4.2	0.6	-0.7	-3.0	-8.0	-9.2	-9.4	-7.8	-5.2	-2.1	-0.7	1.5	1.0	0.9	1.9	1.6	1.5	1.5	0.5	1.2	2.6	-0.6
17	3.3	4.0	3.7	2.4	0.2	-1.8	-3.5	-6.2	-8.2	-7.8	-6.0	-4.6	-2.1	-1.6	-1.3	-2.8	-2.7	-1.7	1.8	2.0	1.1	-1.2	0.0	4.0	-1.2
18	5.2	6.5	5.0	3.2	-0.4	-5.2	-7.3	-10.1	-11.4	-10.4	-8.2	-6.2	-4.7	-4.6	-4.2	1.1	1.8	2.8	-1.2	-0.4	0.8	-0.4	-0.8	2.2	-2.0
19	5.1	6.4	7.4	6.2	2.9	-0.6	-3.7	-7.8	-8.2	-7.1	-6.4	-5.4	-3.2	-2.4	-3.0	-2.4	-3.8	-1.4	1.0	0.8	1.8	-0.8	1.6	3.4	-0.8
20	4.6	-1.8	-1.2	4.4	1.6	0.1	-0.8	-3.6	-6.0	-6.9	-5.4	-3.5	-2.8	-2.0	-1.0	-0.9	0.0	-0.4	-0.7	-0.7	-0.5	0.8	0.2	0.8	-1.1
21	2.4	4.0	7.6	7.2	7.0	2.4	-2.2	-5.8	-6.6	-8.6	-7.8	-6.4	-3.6	-1.7	1.9	4.6	0.1	3.4	2.4	5.8	5.5	-0.3	-2.0	2.8	0.5
22	2.2	2.5	2.8	6.2	6.3	2.4	-1.9	-5.4	-7.8	-7.5	-5.8	-2.5	-1.4	-1.0	0.2	0.5	-1.4	0.2	-1.0	-0.9	-0.8	-0.1	-0.6	1.2	-0.6
23	3.6	6.0	4.0	4.6	4.2	0.2	-4.2	-7.3	-9.4	-9.2	-7.6	-4.4	-2.2	-1.5	-1.4	-2.0	-1.7	-1.6	0.0	0.2	-0.1	-1.0	-5.1	-4.0	-1.7
24	-2.4	4.2	4.4	8.0	6.0	3.4	-1.0	4.6	-7.4	-7.8	-5.1	-2.8	0.2	1.8	-0.3	-0.2	-0.8	-1.4	-1.4	-1.0	-0.7	-0.2	1.2	2.3	-0.2
25	4.2	5.8	5.8	5.8	2.8	-1.6	-5.6	-9.2	-11.0	-10.0	-8.2	-6.0	-4.2	-3.4	-2.3	0.4	0.1	-1.0	-1.4	-1.6	-1.7	0.1	1.6	3.2	-1.6
26	4.4	6.0	6.8	6.2	4.4	-0.5	-3.2	-5.2	-6.4	-7.4	-7.8	-6.6	-3.8	-2.4	-1.9	-2.2	-2.4	-2.4	-1.5	-1.2	-0.6	-0.2	1.5	3.0	-1.0
27	4.5	6.2	6.3	5.0	1.6	-2.4	-5.3	-7.2	-9.6	-9.6	-8.5	-6.5	-4.9	-3.4	-3.6	-3.5	-3.3	-3.2	-2.3	-1.7	-1.6	-0.7	0.4	2.0	-2.1
28	5.8	7.9	7.4	4.8	0.6	-5.2	-9.2	-11.4	-11.8	-10.4	-7.6	-4.6	-4.8	-4.8	-4.0	-4.2	-3.6	-3.2	-4.2	-4.0	-1.4	-0.6	0.2	2.2	-2.8
29	4.4	6.1	5.8	4.0	0.4	-3.6	-7.4	-10.1	-11.4	-11.4	-7.6	-4.2	-2.0	-1.0	-1.0	-0.4	-1.7	-0.8	-1.9	-2.3	-1.4	-0.1	1.4	4.0	-1.8
30	4.2	7.4	8.3	5.2	-0.6	-1.9	-4.6	-7.8	-9.2	-8.7	-6.4	-4.6	-2.2	0.0	-0.4	-2.1	-2.6	-1.9	-1.8	-2.2	-3.2	-4.6	1.1	2.2	-1.5
31	3.7	2.2	3.4	1.5	-0.6	-2.9	-5.6	-7.0	-8.2	-9.0	-7.6	-4.8	-2.8	-2.3	-3.6	-2.8	-2.8	-1.8	-2.4	-2.0	-1.0	-1.3	0.4	1.9	-2.3
Среднее по всем дням	3.7	4.7	5.0	4.7	2.3	-0.8	-4.1	-7.3	-8.5	-7.9	-6.2	-4.2	-2.4	-1.4	-1.1	-0.9	-1.3	-1.0	-0.9	-0.7	-0.5	-0.2	0.4	2.2	-1.1

Обработал ВзгороваПроверил Тиросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Среднемесячн. H = 17171Месяц май Год 1968Элемент горизонтальная составляющаяH = 14060 + ...; $E_H = 2.36\%$; $H_0 = 14068$

Время мировое Дни																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	120	118	113	103	93	91	96	102	110	114	125	130	119	124	120	127	116	117	108	107	114	138	120	128	115
2	104	95	87	86	86	90	95	107	110	107	103	103	108	110	120	112	118	124	120	122	128	129	131	131	109
3	128	120	114	98	74	54	70	95	105	118	120	122	118	118	122	128	128	126	128	129	130	128	128	134	114
4	134	126	114	104	93	88	90	96	100	115	124	130	128	125	124	124	126	124	122	119	120	122	126	126	117
5	128	126	116	102	88	88	96	107	118	122	118	120	124	124	121	121	124	128	126	127	124	125	127	129	118
6	132	128	122	110	102	104	110	114	119	126	130	132	134	133	133	138	152	147	143	135	135	135	136	138	129
7	144	134	139	146	146	106	68	58	92	94	73	75	85	98	77	74	76	100	91	85	80	88	92	91	96
8	100	102	97	81	67	60	60	73	94	109	112	107	107	107	104	104	109	112	114	114	106	102	102	108	98
9	104	97	80	72	61	62	69	88	92	86	95	121	108	105	90	102	98	98	102	93	101	96	85	93	92
10	95	95	94	74	65	76	88	100	112	119	124	126	119	124	124	131	133	133	130	128	128	128	138	141	114
11	142	127	109	95	88	86	76	104	106	118	124	128	130	124	123	130	128	131	129	131	133	132	132	128	119
12	100	94	90	62	50	41	54	100	109	114	117	124	108	120	124	117	120	123	128	128	129	127	130	133	106
13	124	104	100	91	67	74	95	112	124	128	124	121	121	120	118	135	133	131	124	122	118	119	124	130	115
14	124	112	92	86	80	72	76	88	114	126	136	146	135	131	122	123	122	124	128	126	122	124	124	126	115
15	126	119	100	90	78	81	84	86	97	109	124	128	125	124	124	124	126	129	131	134	128	127	126	120	114
16	116	110	100	98	84	84	88	93	99	119	112	114	120	111	119	126	112	107	112	114	114	116	122	124	109
17	124	114	99	78	70	78	96	105	114	118	119	122	120	127	130	134	133	132	119	117	120	124	128	131	115
18	124	112	94	76	75	74	84	102	109	118	127	131	130	130	139	135	120	101	108	108	108	107	108	117	110
19	116	112	102	88	86	88	92	96	98	121	128	133	128	123	124	126	130	123	110	108	116	116	116	124	113
20	116	98	89	93	68	74	75	66	72	84	101	122	112	114	112	117	126	118	118	118	117	120	116	118	103
21	114	102	96	90	80	76	78	82	78	106	105	119	137	124	104	126	107	98	86	88	84	84	97	102	98
22	100	98	75	58	58	48	58	75	92	102	116	128	121	118	116	112	112	113	107	105	107	109	109	112	98
23	118	100	95	94	81	73	74	88	95	104	119	121	119	118	114	116	121	122	115	106	108	112	110	105	105
24	98	98	80	81	76	65	54	55	69	95	106	119	124	121	109	111	112	116	114	119	105	107	110	115	98
25	115	112	98	76	56	53	70	87	105	117	121	114	114	118	124	128	124	114	120	121	117	114	117	120	106
26	121	115	104	90	78	79	94	105	107	114	122	126	130	121	121	120	119	119	119	119	120	122	129	133	114
27	130	118	106	95	86	86	100	105	115	128	134	140	134	132	132	133	133	138	135	134	133	136	136	142	123
28	145	134	119	106	98	94	95	112	121	131	135	136	135	134	126	134	138	128	132	131	124	122	130	133	125
29	132	122	107	90	82	77	81	88	95	98	102	116	126	124	122	119	126	126	122	124	121	124	136	134	112
30	134	122	100	87	79	80	82	90	98	112	116	133	133	131	124	126	128	123	124	128	126	126	128	130	115
31	120	110	102	93	86	88	98	102	106	110	128	131	120	129	128	130	135	134	130	129	130	132	137	138	118
Среднее по всем дням	120	112	101	91	80	77	82	93	102	112	117	123	122	121	119	122	122	121	119	118	118	119	121	124	111

Обработал ТросековаПроверил Редотова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Среднемесячн. $\bar{Z} = 56620^{\circ}$ Месяц май Год 1968Элемент вертикальная составляющая $\bar{Z} = 56620^{\circ} + \dots$; $E_x = 1.47^{\circ}/\text{мм}$; $\bar{Z}_0 = 56633^{\circ}$

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	1	4	3	-2	-3	-5	-9	-6	-5	-3	2	9	9	9	10	6	4	4	4	5	3	-9	-21	-23	-1
2	-18	-10	-5	-3	-13	-19	20	-14	-6	9	16	16	12	10	8	3	2	1	1	-1	-1	4	4	1	
3	3	-2	-3	-3	-5	-8	18	-27	-22	-11	-1	4	8	6	3	1	-2	-1	0	0	-2	-2	0	1	-2
4	1	5	3	3	-3	-8	-16	-14	-7	0	3	5	5	2	0	-3	-3	-3	-2	-1	0	-1	2	2	-1
5	4	5	2	2	-4	-12	-20	-19	-14	-10	-2	1	2	2	1	0	1	-1	0	-2	1	1	2	2	-2
6	1	3	6	0	-11	-16	-24	-24	-19	-14	-6	-5	-2	-2	-3	-5	-5	-4	-4	-4	-2	-2	-2	1	-6
7	3	2	-3	-14	-16	-24	-21	-17	3	27	36	39	46	45	44	26	19	18	13	12	10	6	9	9	11
8	7	7	7	9	-3	-6	-12	-13	-9	0	9	14	12	7	5	4	4	3	2	0	1	3	3	3	2
9	-3	-2	1	0	-5	-9	-17	-14	-5	3	14	23	30	29	23	16	14	11	9	7	-5	-5	3	6	5
10	6	9	10	3	0	-3	-10	-8	-8	-3	4	6	5	5	3	0	0	1	1	0	1	1	0	2	1
11	3	1	-2	-2	-6	-13	-15	-16	-8	-2	-2	3	6	6	7	2	1	0	1	1	0	0	1	2	-1
12	5	6	1	-8	-12	-11	-8	-9	-8	0	13	22	16	12	7	5	3	3	2	1	-4	-5	1	2	-1
13	2	3	4	1	-2	-6	-8	-4	-2	7	17	11	9	6	4	3	0	-2	0	1	-2	1	4	4	2
14	6	6	2	-2	-7	-14	-14	-14	-11	-4	3	11	10	9	8	4	3	2	0	-3	-2	0	3	4	0
15	0	1	1	-2	-9	-17	-18	-15	-7	-3	2	3	3	2	1	-1	-1	0	0	0	0	0	0	-1	-2
16	-3	-4	-4	-4	-11	-19	-25	-25	-21	-9	2	12	18	20	17	8	7	4	4	1	1	4	4	3	-1
17	1	7	7	1	-8	-12	-14	-13	-12	-8	3	8	12	12	11	3	4	3	4	1	0	-6	-8	1	0
18	-2	-1	-3	-5	-3	-5	-10	-12	-9	-4	2	6	7	4	1	8	7	7	0	1	4	3	1	1	0
19	6	5	0	-7	-9	-9	-9	-13	-10	-6	-3	1	8	7	6	4	0	0	0	2	1	-3	-2	6	-1
20	4	0	-2	-7	-8	-12	-12	-6	-2	6	11	14	12	13	11	8	6	4	5	4	1	-1	-4	-8	2
21	-6	-6	-3	1	-3	-9	-19	-18	-13	-6	0	7	16	18	19	15	3	5	7	5	1	-6	-14	-8	-1
22	-8	-6	4	7	7	0	-6	-7	-2	3	11	18	15	12	9	7	4	4	3	4	5	6	4	1	4
23	1	3	4	3	-1	-3	-2	2	6	10	16	19	14	13	9	4	4	4	4	3	3	3	1	-5	5
24	-5	-2	0	-8	-12	-8	-5	2	5	4	13	21	20	16	9	4	4	2	1	-2	1	3	4	2	3
25	3	1	1	1	-6	-16	-18	-8	-1	2	6	6	9	6	4	4	4	3	3	1	-1	3	6	4	1
26	0	3	4	3	-2	-4	-10	-18	-15	-6	-2	3	9	7	2	0	0	1	1	1	1	3	4	4	0
27	2	-2	-4	-6	-11	-9	-14	-19	-21	-15	-8	-4	0	-1	-2	-4	-4	-3	-3	-3	-3	-1	0	-2	-6
28	-2	-6	-9	-10	-17	-23	-24	-24	-15	-9	-5	-3	1	-2	-4	-5	-3	-1	-2	-6	-3	-2	0	-2	-7
29	-2	-3	-2	-3	-4	-4	-8	-6	-1	3	3	11	12	9	7	6	4	3	3	0	0	2	1	-1	1
30	-2	-5	-6	-6	-7	-7	-10	-7	-5	-7	1	6	6	6	2	0	-1	1	0	-1	-1	-4	-1	-1	-2
31	1	2	1	1	-4	-6	-6	-9	-8	-5	-2	10	12	11	4	-1	-1	-1	-3	-3	-2	-2	1	0	0
Среднее по всем дням	0	1	0	-2	-6	-10	-11	-13	-8	-2	5	10	11	10	7	4	2	2	2	1	0	0	0	0	0

Обработал ГросековаПроверил Редотова

Среднемесячн. $D = 8^{\circ}58.3'$

Ведомство АН СССР

Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент склонение

Месяц июнь Год 1968

$D = 9^{\circ}00.0' + \dots$ $E_D = 0.360''/мм; D_0 = 8^{\circ}57.2'$

Время мировое 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	3.8	5.2	5.6	5.2	1.6	-1.9	-5.0	-8.2	-10.6	-10.0	-8.0	-6.9	-4.4	-3.8	-3.2	-3.0	-2.8	-0.6	1.1	-0.3	1.2	1.0	0.8	-1.0	-1.8
2	1.8	2.6	3.9	4.6	-0.1	-3.1	-8.2	-9.2	-9.2	-9.3	-7.4	-5.0	-3.6	-2.8	-1.2	-2.1	-3.7	-3.8	-2.1	0.8	0.4	1.6	3.0	5.2	-2.0
3	5.8	6.6	6.8	5.8	2.8	-2.4	-7.2	-11.8	-12.0	-9.6	-8.2	-4.0	-3.2	-2.6	-3.5	-3.2	-1.9	-1.8	-1.5	-2.8	-1.6	-3.5	0.6	2.4	-2.1
4	3.7	5.4	6.9	4.9	3.5	-0.1	-4.1	-8.2	-9.6	-8.6	-7.1	-5.0	-2.4	-2.1	-0.6	-0.1	-1.2	-0.6	-0.8	-0.7	-0.3	0.0	-2.0	0.2	-1.2
5	2.4	4.8	7.1	6.9	4.0	-0.4	-4.0	-6.2	-8.4	-9.3	-9.3	-6.9	-4.6	-2.4	-2.0	-1.9	-1.7	-0.4	-0.6	-0.7	1.0	-0.8	0.4	1.9	-1.4
6	2.7	4.0	5.3	5.3	3.3	-0.2	-4.0	-6.9	-8.8	-9.0	-7.8	-6.0	-3.2	-0.6	-1.4	-2.2	-2.8	-2.2	-1.7	-1.8	-1.3	-0.2	0.9	3.1	-1.5
7	4.8	6.4	5.2	4.8	1.0	-1.3	-4.2	-8.0	-9.2	-9.1	-8.4	-4.6	-2.0	-2.4	-3.1	-1.9	-0.9	-2.3	-2.6	-2.2	-1.6	0.1	1.4	2.6	-1.6
8	4.8	5.8	5.4	2.4	-0.8	-5.4	-8.2	-9.7	-10.4	-9.5	-7.1	-5.3	-3.4	-2.7	-3.6	-2.8	0.8	-0.3	-1.3	-1.2	-0.4	0.2	1.9	3.0	-2.0
9	5.3	5.6	4.9	3.7	2.2	-4.2	-6.9	-9.3	-11.0	-13.0	-10.0	-6.2	-4.1	-3.3	-3.3	-2.6	-2.0	-1.8	-0.6	-0.7	-1.0	-0.6	-1.0	3.0	-2.4
10	2.6	-1.2	-0.1	2.3	2.7	-2.8	-2.9	-4.1	-4.8	-6.6	-7.9	-4.7	1.2	0.1	-0.6	1.5	-3.2	-1.3	0.0	0.1	0.1	0.2	-3.8	-3.5	-1.5
11	4.4	3.8	1.2	11.0	4.2	-3.0	-1.6	-6.8	-13.2	-14.1	-9.2	-5.4	-4.4	1.1	-1.4	-7.5	0.3	-0.4	-1.2	-0.5	-2.2	2.3	6.2	3.3	-1.4
12	6.8	7.9	6.9	1.7	-1.0	-0.6	-0.4	-4.4	-5.9	-5.3	-7.8	-4.6	-1.4	1.4	4.8	1.4	0.8	2.8	0.2	-3.0	0.1	-1.7	0.4	1.8	0.0
13	3.3	4.9	6.1	5.1	1.2	-1.6	-5.7	-7.0	-7.8	-8.5	-5.8	-1.1	5.2	4.1	5.1	5.5	2.3	4.2	2.3	5.9	0.7	1.2	2.1	5.8	1.1
14	8.2	7.7	8.4	8.7	5.3	1.4	-4.7	-7.6	-8.8	-9.7	-8.8	-7.9	-2.4	1.7	2.6	3.1	-0.4	-1.1	-0.9	1.0	0.1	0.7	2.1	2.7	0.1
15	5.1	7.7	8.4	7.3	4.4	-0.2	-4.6	-8.2	-10.6	-11.1	-8.3	-4.6	-3.5	-2.3	-2.2	-2.6	-2.4	-2.2	-1.3	-0.6	0.0	0.5	2.0	2.6	-1.1
16	4.0	6.6	7.3	5.9	3.0	-1.4	-5.0	-9.3	-11.8	-12.9	-9.8	-7.0	-4.7	-2.4	-2.4	-1.1	-1.8	-2.5	-1.7	-1.3	-0.6	-5.3	-1.6	2.1	-2.2
17	4.5	3.8	4.1	5.6	-0.4	-3.7	-8.1	-8.3	-10.4	-6.6	-3.5	-3.0	-2.8	-2.0	-2.4	-3.0	-3.2	-3.5	-2.9	-2.5	-2.4	-0.7	1.5	2.3	-2.0
18	4.4	4.5	4.4	3.8	2.8	-1.4	-4.8	-9.0	-9.6	-8.5	-6.2	-1.7	-0.3	-0.6	-0.9	-1.5	-4.0	-1.7	-1.3	-3.2	-0.4	2.0	2.6	4.0	-1.1
19	4.7	6.0	4.4	3.1	-0.3	-2.7	-6.8	-8.0	-7.2	-6.6	-5.4	-4.0	-2.3	-2.1	1.0	-2.3	-3.3	-1.0	-0.8	-1.0	-2.4	1.2	2.6	3.3	-1.2
20	6.1	5.8	6.9	5.9	3.5	-0.2	-4.1	-7.4	-8.1	-7.5	-5.1	-4.4	-5.3	-5.3	-4.9	-4.2	-4.6	-2.8	-2.7	-1.2	-1.0	0.4	1.9	3.3	-1.5
21	4.1	4.1	3.9	3.7	1.4	-2.0	-4.8	-4.6	-4.9	-4.6	-4.0	-3.0	-3.5	-3.2	-3.5	-3.4	-3.0	-3.1	-2.6	-2.8	-2.3	-1.8	-1.3	0.1	-1.7
22	2.0	2.6	2.3	1.2	0.4	-3.9	-5.7	-9.0	-10.8	-10.0	-7.7	-6.2	-3.0	-3.3	-3.7	-3.9	-4.0	-4.0	-3.5	-2.8	-2.4	-1.0	-0.3	2.6	-3.1
23	5.0	6.8	6.6	3.7	-0.2	-3.7	-5.3	-6.8	-7.7	-7.8	-6.5	-5.3	-4.0	-3.1	-2.8	-3.2	-4.1	-3.5	-2.8	-1.3	-0.9	0.4	1.8	2.6	-1.8
24	5.8	6.9	5.1	3.9	1.2	-2.3	-5.3	-7.5	-8.7	-8.6	-7.8	-6.0	-4.2	-3.8	-3.5	-3.3	-3.5	-3.3	-2.8	-2.4	-2.2	-2.1	-0.7	1.3	-2.2
25	3.2	4.0	4.4	3.7	2.1	0.1	-2.7	-6.8	-9.3	-8.9	-8.2	-7.0	-4.9	-4.2	-3.6	-3.4	-3.9	-3.5	-3.3	-2.4	-1.8	-1.4	-0.6	-0.3	-2.4
26	2.6	0.8	2.6	3.1	2.7	-0.5	-4.5	-8.2	-11.8	-12.9	-12.6	-9.0	-3.1	-3.2	-3.3	-3.6	-2.8	-3.0	-2.8	-2.7	-2.1	-2.6	-1.2	0.5	-3.2
27	2.3	2.8	2.2	2.1	0.7	-2.1	-7.7	-11.6	-13.2	-13.6	-10.3	-6.9	-2.6	-2.6	-2.4	-2.4	-2.1	-2.9	-3.1	-3.2	-2.9	-2.5	1.2	2.3	-3.3
28	4.0	4.9	5.8	4.4	2.1	-0.9	-5.2	-7.9	-9.6	-10.6	-9.4	-5.9	-3.8	-3.5	-3.9	-3.9	-3.1	-3.3	-3.1	-1.6	-0.5	-0.6	1.0	2.8	-1.7
29	4.3	5.9	5.2	4.6	1.0	-3.5	-6.0	-8.6	-9.7	-10.3	-9.3	-7.0	-5.0	-4.7	-3.9	-3.3	-3.9	-2.7	-1.9	-2.4	3.9	3.8	1.4	1.2	-2.1
30	4.7	8.0	6.7	3.0	1.7	-1.0	-4.5	-5.6	-6.0	-6.6	-6.9	-6.0	-4.0	-3.2	-3.1	-3.9	-4.2	-2.5	-2.4	-2.8	-1.2	0.7	1.8	-0.3	-1.6
31																									
Среднее по всем дням	4.2	5.0	5.1	4.6	1.9	-1.8	-5.1	-7.8	-9.3	-9.3	-7.8	-5.0	-3.0	-2.1	-1.9	-2.2	-2.3	-1.8	-1.6	-1.3	-0.9	-0.3	0.8	2.0	-1.7

* - по II серии Боброва

Обработал Боброва

Проверил Гросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент горизонтальная составляющаяМесяц июнь Год 1968 $H = 17060^{\circ} + \dots$ $E_H = 2.36^{\circ}/\text{мм}; H_0 = 17068^{\circ}$

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	136	128	124	108	91	88	94	102	126	130	131	131	135	133	146	133	132	142	140	120	121	122	125	119	123
2	124	106	93	86	70	72	70	83	86	102	112	130	128	126	132	128	126	128	136	124	122	126	131	126	111
3	126	116	102	95	83	75	78	94	102	114	130	116	127	118	124	133	148	121	116	116	119	119	121	120	113
4	121	114	100	93	86	86	100	106	105	118	126	124	133	134	132	126	127	132	125	124	124	120	122	126	117
5	133	128	114	106	93	93	96	107	108	112	122	128	125	126	126	126	129	131	127	124	121	126	131	138	120
6	138	132	121	108	102	98	95	98	110	126	132	138	133	131	122	122	120	118	118	122	128	126	133	138	121
7	135	124	118	113	112	108	107	113	106	102	129	131	132	124	128	140	129	128	128	130	132	135	144	149	125
8	148	136	126	113	104	100	112	112	116	122	130	136	131	130	136	152	140	135	142	144	147	144	147	153	132
9	154	140	120	103	91	84	99	112	123	138	136	132	134	136	135	130	131	134	139	126	124	126	124	126	125
10	120	105	100	92	84	70	74	78	98	86	111	128	124	110	118	126	128	112	112	115	115	120	136	122	108
11	100	84	84	62	2	51	55	68	68	76	62	88	64	65	132	100	93	98	104	118	120	86	88	90	82
12	98	91	59	50	42	39	48	55	74	93	86	90	109	130	104	100	93	96	96	90	96	96	100	103	85
13	102	89	52	36	11	6	24	65	60	57	67	116	126	118	108	90	98	86	96	97	103	89	91	99	78
14	105	101	92	78	64	61	64	79	72	80	98	118	102	104	102	94	93	96	96	88	88	94	94	95	90
15	106	108	100	84	62	52	52	58	80	100	108	112	116	112	113	116	126	124	116	120	114	115	122	126	102
16	134	128	109	88	72	60	68	84	96	112	114	129	107	104	118	126	112	112	110	103	105	108	108	110	105
17	105	103	102	79	60	73	62	70	100	97	102	90	98	100	103	109	112	115	116	113	110	110	110	115	98
18	110	98	88	77	70	64	61	66	70	98	118	126	124	111	116	122	128	122	115	106	108	106	113	115	101
19	110	91	84	80	65	69	94	98	110	110	121	115	114	116	126	116	116	120	112	112	115	112	119	119	106
20	113	103	92	78	70	62	86	102	108	119	119	124	124	124	128	131	132	130	128	126	119	118	124	132	112
21	131	118	110	102	98	100	103	112	124	127	130	134	136	134	132	129	129	130	131	134	132	132	134	134	124
22	131	122	116	104	96	96	94	110	114	98	110	122	122	120	118	118	117	119	122	117	122	116	118	128	114
23	130	122	108	89	84	78	80	94	110	122	134	138	125	126	124	120	124	124	124	122	121	126	132	136	116
24	136	131	118	98	81	74	79	96	108	116	125	129	128	126	128	128	128	129	130	129	127	131	135	141	119
25	144	138	126	106	94	91	87	91	98	112	124	136	134	129	126	126	137	139	140	138	143	144	152	150	125
26	139	132	136	122	105	88	94	98	118	134	142	158	124	124	132	136	134	136	136	136	139	143	145	154	129
27	150	136	122	110	93	84	88	90	104	118	122	122	139	138	138	140	141	137	136	138	130	134	136	136	124
28	136	130	124	108	95	81	84	98	106	120	139	142	142	140	134	128	135	131	129	125	122	128	134	134	123
29	138	138	126	110	94	88	96	105	115	124	134	136	142	140	134	137	138	128	134	134	139	121	125	136	125
30	134	126	101	108	98	88	96	103	110	117	120	121	128	132	129	128	130	129	122	122	122	120	125	117	118
31																									
Среднее по всем дням	126	117	106	93	79	76	81	92	101	109	118	125	124	122	125	124	124	123	122	120	121	120	124	126	112

* - по II серии Боброва

Обработал ТюсековаПроверил Редомова

Среднемесячн. $\bar{Z} = 56619^{\circ}$

Ведомство АН СССР

Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент вертикальная составляющая

Месяц июнь Год 1968

$\bar{Z} = 56620^{\circ} + \dots$; $\varepsilon_z = 1.48^{\circ}/\text{мм}$; $\bar{Z}_0 = 56633^{\circ}$

Время мировое																							Средн. суточн.		
Дн ^м	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	-2	-5	0	-2	-8	-12	-14	-15	-15	-10	1	1	10	5	5	7	4	0	-5	-7	-2	-2	-2	-10	-3
2	-11	-14	-14	-12	-12	-9	-14	-18	-10	0	6	12	10	4	4	3	0	0	-2	-4	-5	-5	-7	-5	-4
3	-5	0	-4	-12	-20	-20	-14	-9	-7	-4	8	14	19	19	10	5	-1	-1	0	0	1	-3	0	3	-1
4	3	4	4	3	-1	-1	-5	-2	3	2	4	3	5	7	7	4	1	0	0	-1	-1	1	-2	-4	1
5	-5	1	3	1	-2	-6	-14	-12	-8	-9	-6	0	3	2	0	-2	-2	-3	-3	-2	-2	-1	0	-3	-3
6	-2	1	0	-3	-4	-11	-15	-14	-14	-10	-1	6	10	8	5	0	-2	-3	-3	-2	-2	-1	0	0	-2
7	-1	-3	-6	-9	-15	-14	-22	-24	-15	-12	-3	2	12	9	1	0	1	0	0	-2	-1	0	4	4	-4
8	3	-6	-11	-10	-7	-2	-3	-3	1	2	4	5	4	0	-4	-3	1	0	-1	-2	-4	-2	0	0	-1
9	-4	-6	-3	-4	-8	-17	-18	-19	-18	-12	-3	2	1	0	-2	-5	-5	-5	-6	-7	-6	-11	-10	-6	-7
10	-8	-11	-11	-12	-15	-20	-18	-8	6	0	4	22	31	28	22	16	5	3	1	0	-3	-7	-17	-29	-1
11	-24	-24	-21	-19	-23	-16	-10	-11	4	44	58	75	58	37	23	8	12	10	6	0	-18	-6	-5	-11	6
12	-14	-15	-15	-14	-8	-9	-10	-4	6	19	27	37	42	43	34	20	12	6	1	-6	-1	-5	-3	5	6
13	10	12	9	6	3	3	2	-1	10	20	44	57	62	50	42	32	18	14	7	0	-4	-5	4	9	17
14	8	10	6	-4	-11	-10	-11	-6	15	26	37	50	57	54	44	28	17	14	12	11	10	6	7	10	16
15	12	14	16	9	7	-2	-7	-5	-2	-1	6	12	13	12	7	3	3	3	3	2	2	4	3	-3	5
16	-2	3	6	7	6	0	-4	-5	-4	-3	7	18	22	16	10	7	4	3	3	1	0	-14	-8	-3	3
17	2	4	9	6	2	-8	-7	2	13	19	30	22	16	12	7	1	2	2	0	-1	0	4	4	2	6
18	3	-2	-3	-2	-5	-12	-12	-8	-2	1	9	11	10	8	10	6	1	-2	-3	-4	-2	1	3	3	0
19	4	0	0	3	0	-2	-6	3	9	11	9	11	17	12	11	4	2	1	0	1	-6	-6	-10	-6	3
20	-3	-6	-5	-2	-8	-12	-19	-14	-6	-8	-9	-10	-3	1	0	-2	-2	-2	-2	-2	-1	0	0	-1	-5
21	-2	-3	-5	-5	-6	-6	-12	-9	-8	-11	-7	-1	1	1	0	-4	-5	-5	-5	-5	-4	-2	-2	-3	-4
22	-6	-8	-11	-12	-18	-19	-25	-15	-8	0	6	13	28	22	11	6	1	0	0	0	-1	-2	-4	-4	-2
23	-5	-8	-8	-11	-9	-10	-11	-11	-11	-11	-4	1	4	4	1	0	-2	-3	-1	-1	-1	1	3	3	-4
24	-2	-9	-12	-13	-18	-23	-19	-14	-5	-9	-8	1	4	4	0	-2	-3	-4	-2	-4	-3	0	3	0	-6
25	-3	-3	-5	-2	-4	-8	-15	-14	-8	-6	0	3	3	4	1	-2	-4	-5	-5	-5	-5	-4	-2	-2	-4
26	2	-2	-2	-2	-6	-8	-10	-12	-12	-8	4	11	12	5	1	-2	-3	-4	-2	-3	-3	-3	-4	-8	-2
27	-12	-12	-8	-13	-13	-7	-14	-15	-13	-9	0	2	8	3	0	0	-4	-6	-6	-6	-6	-5	-5	-5	-6
28	-11	-10	-10	-11	-12	-11	-10	-12	-12	-12	-4	1	8	3	-1	-3	-5	-5	-5	-4	-4	-5	-2	-4	-6
29	-8	-8	-8	-10	-11	-19	-22	-14	-11	-8	-5	-3	-2	-2	-2	-4	-5	-4	-7	-7	-11	-12	-8	-14	-8
30	-11	-15	-12	-14	-15	-15	-16	-13	-4	-3	-2	-3	-2	0	-1	-4	-5	-5	-5	-8	-9	-8	-8	-7	-8
31																									
Среднее по всем дням	-3	-4	-4	-5	-8	-10	-12	-10	-4	0	7	12	15	12	8	4	1	0	-1	-2	-3	-3	-2	-3	-1

* - по II серии Боброва

Обработал Боброва

Проверил Гросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'Элемент склонениеСреднемесячн. D = 8°57.8'Месяц июль Год 1968D = 9°00.0' + ...; $\varepsilon_p = \frac{0.360}{\text{мм}}$
 $\varepsilon_p = \frac{0.359}{\text{мм}}; D_0 = 8°57.2'; 8°57.5'$

Время мировое Дни																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	1.2	3.2	5.2	4.8	2.4	-1.0	-4.2	-6.0	-9.0	-9.3	-8.8	-6.2	-2.8	-1.4	-0.8	-1.4	-2.8	-3.0	-3.2	-1.6	-1.4	-0.9	0.4	1.0	-1.9
2	3.0	3.8	-0.2	2.0	0.8	-1.6	-4.3	-6.0	-7.0	-7.5	-7.8	-6.2	-5.0	-3.2	-2.4	-2.5	-2.0	-2.4	-2.5	-2.8	-1.2	-0.4	0.5	-1.0	-2.3
3	3.7	5.3	3.5	3.6	1.5	-1.7	-3.4	-6.8	-7.8	-8.2	-7.6	-6.1	-4.6	-3.9	-3.5	-3.5	-3.4	-1.8	-2.8	-3.0	-2.4	-0.2	0.7	2.2	-2.1
4	4.0	5.0	5.0	2.8	0.1	-4.8	-6.4	-7.5	-9.8	-8.2	-5.7	-5.0	-2.2	-1.0	-1.4	-2.6	-3.4	-3.2	-3.0	-2.4	-3.2	-1.4	1.5	1.6	-2.1
5	3.0	5.1	4.4	3.4	1.1	-2.0	-4.3	-7.3	-10.0	-8.2	-6.8	-5.6	-3.2	-2.8	-3.2	-1.7	-1.2	-2.5	-2.4	-1.4	-1.1	-1.2	0.1	1.0	-2.0
6	2.2	3.4	4.4	5.2	3.3	0.4	-4.0	-7.5	-7.5	-7.2	-6.5	-4.2	-3.4	-2.8	-2.8	-2.8	-3.1	-3.3	-3.2	-3.5	-3.6	-2.4	-1.3	0.8	-2.1
7	3.7	4.5	4.0	3.6	0.6	-3.8	-7.3	-9.4	-8.0	-8.0	-7.6	-6.7	-4.6	-3.8	-3.2	-2.3	-3.2	-3.2	-2.6	-2.0	-2.1	-1.4	0.1	1.9	-2.5
8	2.7	3.3	4.2	2.0	0.5	-1.1	-4.5	-7.6	-9.3	-7.2	-7.1	-5.6	-4.2	-3.2	-3.2	-3.7	-4.2	-3.6	-3.2	-2.8	-2.1	-1.0	0.1	1.6	-2.5
9	3.6	5.2	5.3	3.5	1.0	-3.8	-7.6	-9.2	-9.6	-8.2	-7.2	-5.7	-3.9	-3.2	-3.6	-3.9	-4.6	-4.6	-3.3	-2.4	-2.4	-1.9	-0.2	1.4	-2.7
10	4.4	5.0	3.0	3.7	3.4	-6.0	-9.8	-11.4	-11.8	-10.6	-9.3	-6.4	-0.4	4.0	-2.2	-4.2	-3.8	-2.8	-2.1	-0.1	2.9	2.0	0.8	3.5	-2.0
11	6.4	7.6	7.2	3.4	1.4	-1.2	-6.2	-9.2	-9.4	-9.4	-8.6	-5.0	-3.0	-2.2	-2.3	-3.2	-2.8	-2.6	-1.8	-1.4	0.1	0.8	0.7	0.3	-1.7
12	0.4	1.4	2.6	4.4	3.2	1.5	-3.6	-7.4	-10.0	-11.2	-10.8	-7.8	-5.0	-3.0	-2.6	-2.4	-0.7	-1.6	-1.8	-1.4	-0.1	-0.3	0.7	2.2	-2.2
13	4.4	7.8	9.0	8.7	6.4	0.7	-3.4	-6.2	-7.6	-7.7	-7.5	-5.8	-3.4	-2.3	-1.8	-1.6	-3.0	-2.7	0.2	0.9	2.7	0.6	-1.1	2.9	-0.4
14	5.2	1.0	-1.8	3.3	0.6	0.6	-3.5	-7.2	-8.3	-7.9	-6.9	-4.7	-1.6	-1.8	-2.5	-3.0	-2.8	-2.4	-1.2	1.3	0.4	0.7	1.4	2.6	-1.6
15	5.4	7.9	8.8	8.8	6.0	0.9	-3.9	-7.6	-9.3	-9.3	-7.8	-5.0	-2.5	-2.0	-1.9	-2.4	-2.9	-2.6	-2.0	-1.1	-2.5	-2.1	-0.3	1.5	-1.1
16	2.6	5.0	6.1	5.7	1.7	-2.5	-5.4	-7.0	-9.0	-9.1	-8.0	-6.1	-3.4	-2.0	-0.3	-2.0	-1.4	-2.2	-3.0	-2.9	-2.1	-0.7	0.4	1.2	-1.8
17	2.4	4.3	5.7	5.6	3.3	-0.4	-4.8	-8.4	-10.4	-10.2	-7.5	-3.4	0.6	-1.0	-2.8	-3.2	-3.4	-3.0	-3.2	-2.3	-2.5	-1.4	-0.8	1.1	-1.9
18	3.0	5.2	6.8	5.8	1.2	-2.6	-5.0	-8.2	-9.8	-10.2	-9.0	-6.1	-3.4	-1.8	-0.6	0.6	-2.0	-3.6	-2.5	-2.3	-2.7	-1.6	-0.2	0.6	-2.0
19	2.8	5.6	6.6	5.5	1.5	-1.6	-5.4	-10.4	-11.8	-9.4	-7.1	-4.6	-3.0	-4.0	-3.2	-3.6	-1.2	-3.2	-3.2	-3.0	-3.0	-5.4	-1.6	1.4	-2.6
20	3.1	5.1	5.2	3.4	-0.1	-3.4	-6.9	-9.6	-9.9	-9.3	-7.8	-5.7	-4.2	-3.9	-3.5	-3.4	-3.2	-3.2	-2.9	-2.4	-1.5	-1.4	-0.1	0.8	-2.6
21	1.7	3.5	4.0	4.0	1.8	-0.3	-4.3	-8.6	-11.4	-11.2	-9.6	-6.0	-3.2	-2.9	-3.8	-3.4	-4.0	-4.0	-3.0	-1.1	-2.2	-2.1	-2.5	1.6	-2.8
22	3.2	3.2	3.4	5.0	4.2	0.3	-4.6	-6.4	-7.0	-5.4	-5.0	-2.2	-0.2	-0.4	-2.4	1.5	-2.9	-3.2	-1.0	-3.1	-1.2	-0.3	1.0	1.1	-1.1
23	2.9	4.0	3.1	1.0	-1.2	-2.5	-4.0	-7.4	-8.7	-9.4	-7.4	-6.3	-3.4	-2.8	-2.4	-0.2	-3.3	-2.9	-2.4	-2.5	-2.3	-2.2	-0.8	0.9	-2.5
24	3.6	5.1	7.2	6.2	3.0	-2.2	-6.7	-10.4	-9.8	-8.2	-5.8	-3.8	-3.2	-3.6	-3.4	-3.4	-3.2	-3.2	-2.6	-2.2	-2.2	-1.8	-0.3	2.0	-2.0
25	3.8	5.8	5.7	4.2	-0.2	-3.6	-6.8	-7.9	-9.2	-8.6	-7.6	-7.0	-6.8	-5.1	-3.5	-3.8	-3.1	-4.0	-2.7	-1.4	-1.2	-0.8	0.6	2.2	-2.5
26	3.8	5.2	6.3	4.7	-0.8	-5.0	-7.5	-10.6	-11.1	-9.8	-6.3	-6.4	-3.0	-3.3	-4.2	-5.5	-3.6	-4.6	-4.0	-2.0	1.1	-1.4	-2.4	1.6	-3.0
27	4.2	4.4	5.8	3.2	-1.7	-6.2	-9.8	-12.6	-12.4	-9.8	-8.6	-5.2	-3.0	0.4	-1.8	-2.5	-3.7	-3.5	-2.7	-1.4	-1.2	0.2	1.8	3.6	-2.6
28	5.0	6.8	6.1	5.8	2.2	-2.1	-3.9	-6.6	-7.5	-6.9	-6.2	-3.7	-2.2	-2.2	-2.0	-1.9	-2.0	-2.6	-2.6	-5.6	-2.3	-0.6	0.4	2.2	-1.4
29	3.7	5.0	4.9	1.9	-2.6	-5.2	-7.9	-9.6	-11.0	-10.4	-8.7	-4.8	-2.2	-2.6	-3.0	-3.6	-3.8	-3.4	-3.2	-3.2	-3.2	-2.2	-1.1	0.7	-3.1
30	3.7	5.4	5.8	2.0	-2.3	-7.8	-10.4	-11.6	-11.2	-9.0	-8.0	-5.3	-2.9	-3.0	-3.6	-3.6	-3.9	-3.5	-3.2	-2.8	-4.4	-3.6	-1.2	1.1	-3.5
31	3.6	3.6	5.1	4.1	0.0	-4.4	-7.2	-9.4	-8.8	-7.6	-6.4	-3.0	-2.5	-2.8	-3.2	-3.0	-3.6	-3.7	-2.6	-2.4	-1.9	-2.0	-1.1	0.8	-2.4
Среднее по всем дням	3.4	4.7	4.9	4.2	1.4	-2.3	-5.6	-8.4	-9.5	-8.8	-7.6	-5.3	-3.2	-2.4	-2.6	-2.7	-3.0	-3.1	-2.6	-2.1	-1.6	-1.2	-0.1	1.5	-2.2

Обработал ГросековаПроверил Федотова

Ведомство АН СССРОбсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$ Среднемесячн. $H = 17176^{\circ}$ Месяц июль Год 1968Элемент горизонтальная составляющая $H = 17060^{\circ} + \dots$ $\epsilon_H = 2.36\%/мн; H_0 = 17068^{\circ}$

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	121	110	100	74	60	74	84	84	100	109	116	120	120	122	118	116	118	118	128	118	116	121	124	120	108
2	123	107	106	106	102	101	100	99	99	100	110	124	126	132	127	131	123	122	124	119	120	125	128	127	116
3	130	114	92	90	82	64	64	81	98	115	122	125	131	127	132	137	133	125	124	124	125	122	126	130	113
4	130	120	104	90	76	69	78	76	77	100	114	127	123	124	128	130	132	130	130	120	104	90	76	69	78
5	123	116	104	85	83	81	80	89	100	99	113	122	127	130	129	133	127	125	132	132	128	130	138	140	115
6	140	131	119	108	92	81	90	102	116	114	132	120	132	132	127	133	130	132	132	132	129	130	138	138	122
7	138	131	118	108	99	91	86	101	106	115	114	122	126	126	126	134	134	131	128	126	127	132	137	134	120
8	132	122	110	101	94	80	91	103	106	120	121	130	133	133	132	134	133	137	135	132	131	132	136	140	122
9	140	132	120	108	97	86	86	99	109	135	135	131	130	127	133	135	139	145	146	148	151	150	165	161	130
10	158	150	132	116	104	75	88	104	110	119	100	112	140	111	107	114	116	116	142	129	124	128	128	130	119
11	126	105	95	76	74	74	72	86	106	119	133	138	135	128	124	126	124	123	120	127	126	124	126	118	113
12	119	108	98	96	84	81	75	80	88	105	124	133	134	132	128	133	126	122	119	119	119	124	130	135	113
13	134	121	109	95	73	65	74	84	102	114	120	128	126	124	121	120	159	162	140	124	107	107	102	100	113
14	88	49	41	40	52	65	60	62	73	86	107	118	114	125	122	120	120	120	128	108	100	103	108	108	92
15	112	101	94	91	74	71	68	71	76	95	112	120	126	126	122	122	124	124	126	122	122	118	122	126	107
16	122	118	114	102	83	60	72	83	94	100	115	128	125	126	128	126	138	150	133	128	119	120	126	133	114
17	136	130	114	96	84	77	80	94	108	121	127	139	138	131	126	127	126	126	127	128	128	126	130	130	119
18	128	116	99	79	80	81	85	88	98	105	114	133	126	134	135	120	126	126	120	120	124	126	131	134	114
19	133	122	100	77	65	74	74	86	87	100	122	119	128	128	135	136	138	131	133	133	132	135	131	126	114
20	119	116	112	103	97	86	92	104	112	126	133	138	132	132	131	128	128	132	132	133	131	136	131	133	122
21	131	126	122	112	104	99	100	102	112	131	142	140	132	132	128	134	133	135	126	126	132	134	138	142	126
22	141	122	119	118	108	85	85	94	110	99	102	118	114	110	126	122	120	122	130	126	118	116	121	128	115
23	128	114	94	82	82	86	82	88	92	119	128	120	122	128	129	132	128	127	126	128	128	126	124	124	114
24	124	116	105	96	85	75	82	95	115	124	127	128	130	124	122	124	124	126	126	124	122	124	128	135	116
25	132	121	112	105	98	94	98	106	126	131	132	143	150	137	144	136	138	141	138	140	138	140	138	145	128
26	142	130	108	88	88	94	109	122	128	128	108	134	125	136	127	136	135	136	136	127	122	120	127	130	122
27	110	100	87	72	72	74	82	102	112	120	125	128	124	135	133	124	124	124	123	124	119	118	124	127	112
28	121	114	102	95	92	86	93	92	100	110	116	130	132	132	135	138	131	133	129	124	124	126	124	122	117
29	124	116	112	102	91	82	88	100	112	119	123	130	134	132	132	128	131	134	132	130	128	126	128	128	119
30	126	119	107	95	83	76	93	113	128	127	132	139	136	132	138	134	133	133	134	134	131	130	126	132	122
31	129	127	115	102	88	88	98	109	117	134	138	132	126	126	126	126	130	135	133	133	131	131	131	134	122
Среднее по всем дням	128	117	105	94	85	80	84	94	104	114	121	128	129	128	128	129	130	130	130	127	125	126	129	130	116

Обработал БгороваПроверил Гросеков

Среднемесячн. $\bar{z} = 56614$

Ведомство АН СССР

Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент вертикальная составляющая

Месяц июль Год 1968

$\bar{z} = 56620 + \dots$; $E_z = 1.48/\text{мм}$; $\bar{z}_0 = 56633$; 56632

Время мировое днч																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	-6	-6	-3	-6	-5	-10	-15	-9	-8	-5	5	13	13	7	3	0	-3	-3	-6	-6	-6	-6	-3	-3	
2	-8	-9	-8	-9	-14	-14	-19	-14	-11	-4	-2	-2	2	1	0	-1	0	-4	-4	-6	-7	-6	-3	-4	-6
3	-4	-4	-7	-13	-18	-20	-16	-8	2	-4	-6	0	-4	-4	-3	-3	-5	-1	-5	-6	-3	-1	2	1	-6
4	-1	-2	-2	-4	-2	-7	-10	-7	-2	-1	1	3	11	10	4	-1	-3	-4	-5	-8	-9	-4	-3	-1	-2
5	-2	-9	-11	-11	-10	-11	-11	-8	-8	-2	5	4	2	0	-2	-2	-4	-5	-4	-4	-2	-2	-1	-2	-4
6	-2	0	-2	-5	-7	-9	-13	-17	-24	-20	-12	-6	0	0	-2	-3	-3	-5	-6	-5	-6	-5	-2	-3	-7
7	-4	-7	-8	-9	-12	-8	-5	-6	-2	2	2	0	2	-2	-6	-6	-9	-8	-8	-7	-4	-3	-1	-2	-5
8	-6	-8	-12	-16	-18	-20	-22	-24	-22	-12	-2	-2	-6	-6	-4	-6	-6	-8	-8	-6	-6	-4	-2	-4	-10
9	-4	-6	-7	-5	-5	-9	-7	-9	-15	-13	-7	-4	-3	-3	-5	-6	-6	-6	-8	-8	-7	-6	-6	-6	-7
10	-8	-4	-16	-13	-12	-6	-14	-12	-9	5	9	14	21	32	16	6	2	1	-4	-7	-7	-7	-19	-18	-2
11	-18	-18	-22	-25	-26	-25	-27	-30	-18	-12	-4	-1	4	6	1	-2	-2	-1	-2	-5	-6	-4	-8	-10	-11
12	-12	-9	-6	-7	-9	-6	-7	-4	-8	-8	1	6	10	8	0	-1	-1	-4	-4	-4	-4	-4	-1	0	-3
13	2	3	0	-8	-14	-17	-24	-23	-18	-14	-7	-2	0	2	-2	-4	-4	-6	-3	-6	-16	-15	-15	-12	-8
14	-4	-3	-7	-4	-4	-4	-9	-7	-3	2	8	12	10	8	6	2	2	1	-3	-5	-2	0	0	0	0
15	2	4	5	3	-3	-6	-12	-13	-12	-6	2	8	8	2	-1	-2	-2	-4	-4	-5	-5	-6	-3	-3	-2
16	4	4	3	4	0	-9	-20	-25	-24	-20	-8	0	-1	-2	-2	-4	-4	-8	-8	-6	-5	-4	-1	-2	-6
17	0	2	0	-3	-3	-9	-16	-16	-10	3	6	6	6	2	-4	-6	-7	-6	-7	-7	-9	-8	-5	-6	-4
18	-1	0	-6	-9	-8	-4	-9	-12	-9	-7	2	6	6	3	4	2	-4	-4	-6	-6	-6	-4	-3	-3	-3
19	-4	-4	-6	-12	-17	-17	-22	-24	-22	-10	2	1	0	-4	-6	-6	-9	-9	-8	-8	-11	-13	-12	-10	-10
20	-12	-13	-10	-12	-15	-16	-15	-10	-10	-11	-3	-2	-6	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-7	-9
21	-9	-12	-10	-9	-12	-15	-26	-19	-15	-16	-18	-13	-5	-5	-6	-7	-7	-7	-6	-6	-6	-5	-6	-6	-10
22	-6	-6	-10	-15	-12	-16	-16	-13	-3	6	13	18	16	12	3	2	-1	-3	-5	-10	-9	-6	-2	-2	-3
23	2	1	-2	-2	1	3	-2	2	2	-3	2	6	3	4	0	1	-1	-3	-4	-4	-5	-4	-2	-2	0
24	3	3	-5	-7	-12	-18	-13	-13	-16	-7	-1	0	-3	-5	-6	-6	-6	-5	-6	-7	-5	-4	-3	-2	-6
25	-2	1	-1	-7	-10	-11	-10	-5	-4	-3	-2	-1	-4	-4	-4	-4	-5	-5	-6	-7	-7	-7	-5	-4	-5
26	-4	-3	-3	-12	-20	-17	-20	-25	-19	-12	-5	-9	-4	0	-2	-5	-5	-6	-6	-7	-7	-7	-10	-8	-9
27	-3	-4	-6	-9	-16	-18	-16	-12	-10	-4	3	9	8	7	0	-2	-3	-4	-4	-6	-5	-3	-1	-1	-4
28	-1	-2	-5	-9	-16	-16	-21	-20	-14	-7	-5	0	2	-3	-5	-6	-4	-5	-6	-7	-7	-6	-5	-3	-7
29	0	0	-5	-9	-13	-16	-22	-21	-16	-12	-4	-2	-4	-7	-6	-7	-8	-8	-9	-8	-8	-8	-6	-5	-8
30	-1	-3	-3	-4	-8	-14	-15	-16	-15	-7	-3	-3	-5	-7	-8	-9	-7	-7	-8	-8	-9	-10	-8	-9	-8
31	-8	-8	-12	-16	-19	-19	-21	-25	-19	-13	-2	3	-1	-6	-7	-7	-7	-9	-8	-8	-8	-9	-6	-4	-10
Среднее по всем дням	-4	-4	-6	-8	-11	-12	-15	-14	-12	-7	-1	2	2	1	-2	-3	-4	-5	-6	-6	-7	-6	-5	-5	-6

Обработал Гросекова

Проверил Вгорова

Ведомство АН СССР
Обсерватория Ключи (Новосибирск)

Широта 54°51' Долгота 83°15'

Элемент склонение

Среднемесячн. D = 8°57.4'

Месяц август Год 1968

D = 9°00.0' + ...; $\varepsilon_D = 0.359'/\text{млн}$; $D_0 = 8°57.5'$; $8°57.1'$

Время мировое																							Средн. суточн.	
Дн ^ч	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23		
1	2.5	3.6	4.4	3.4	0.6	-3.0	-6.4	-9.0	-9.1	-8.0	-6.7	-5.0	-3.2	-3.0	-2.2	-2.0	-2.8	2.9	2.8	2.6	2.2	-0.8	0.4	-2.5
2	2.3	4.0	4.0	3.4	-0.4	-4.7	-5.7	-8.3	-10.0	-9.7	-7.5	-4.0	-2.6	-2.4	-2.9	-3.1	-3.0	2.9	3.0	3.2	-1.9	-2.2	0.4	-2.8
3	2.5	3.6	3.2	3.9	-2.4	-4.3	-5.4	-6.8	-7.0	-7.2	-6.3	-5.0	-3.3	-3.7	-5.0	-4.7	-2.4	3.4	2.6	2.5	-1.1	0.6	1.6	-2.5
4	2.8	3.5	3.4	2.0	-0.2	-3.5	-5.8	-7.2	-7.1	-5.6	-5.4	-4.8	-3.6	-3.8	-4.1	-3.9	-3.9	2.9	2.3	2.3	1.7	0.0	0.4	-2.5
5	3.1	3.6	4.6	3.0	-0.3	-3.6	-5.2	-6.6	-8.2	-7.5	-5.2	-7.0	-5.0	-3.3	-4.5	-4.8	-5.2	4.0	3.1	2.6	2.4	-1.0	0.8	-2.8
6	3.8	4.6	4.8	-0.4	-4.2	-6.9	-8.9	-9.9	-9.8	-9.8	-7.6	-5.4	-5.4	-5.4	-5.2	-5.4	-5.1	3.0	2.1	4.7	0.2	1.8	1.8	-3.6
7	4.2	3.9	0.4	2.0	-1.0	-5.0	-9.0	-10.8	-9.6	-6.9	-6.2	-2.9	0.4	-1.8	-3.4	-3.8	-5.4	3.5	3.2	-1.8	-0.2	0.2	2.1	-2.7
8	3.5	4.8	2.8	3.6	0.0	-4.6	-9.0	-9.2	-8.0	-6.5	-5.1	-4.0	-2.4	-2.0	-2.5	-3.3	-4.0	2.9	2.4	2.3	-1.0	-0.4	3.5	-2.3
9	4.3	7.5	4.3	2.6	-1.8	-6.1	-9.4	-10.8	-10.8	-9.3	-8.1	-5.3	-1.9	-3.3	-3.8	-4.3	-3.6	1.5	3.2	1.3	-1.2	-0.4	0.1	-2.9
10	5.3	5.8	5.3	2.5	-1.6	-4.9	-8.6	-11.7	-11.4	-9.2	-5.6	-2.2	-1.9	-3.2	-3.6	-4.0	-3.3	3.0	2.9	3.0	-1.5	1.0	3.0	-2.6
11	5.2	5.0	3.4	2.7	-1.4	-6.2	-9.0	-8.8	-9.0	-8.2	-6.0	-4.0	-2.5	-2.8	-3.8	-3.8	-4.0	2.8	2.6	-1.8	-2.0	-0.6	1.9	-2.7
12	4.6	4.9	4.0	2.2	-1.5	-5.2	-7.6	-8.5	-8.0	-6.8	-6.0	-4.7	-4.1	-4.0	-4.0	-3.8	-3.7	3.6	3.1	2.2	-1.1	-0.2	1.6	-2.7
13	3.2	4.6	4.6	4.6	0.0	-5.4	-8.6	-9.9	-9.7	-8.3	-7.2	-5.9	-3.9	-4.0	-4.3	-2.2	-2.6	2.4	3.3	2.9	-1.1	-1.0	-1.8	-2.9
14	-2.8	3.6	3.5	4.0	-0.4	-1.8	-6.5	-11.1	-12.6	-9.4	-7.0	-4.5	1.0	0.4	-1.4	-2.9	-4.3	-1.6	-2.8	-1.6	-3.6	-4.8	-1.6	-3.0
15	2.5	4.3	3.8	4.8	0.4	-3.2	-5.8	-7.2	-8.6	-5.1	-4.3	-4.0	-1.8	2.2	-0.6	2.2	0.1	-1.2	-0.6	-2.2	-4.3	1.5	1.8	-1.1
16	2.0	3.7	6.2	5.1	3.0	-5.2	-6.2	-5.6	-6.0	-4.1	-4.0	-5.2	-3.4	-2.2	0.2	4.6	1.8	2.4	4.8	-7.0	5.8	0.6	3.2	-1.3
17	-0.9	3.4	5.0	1.0	-2.3	-4.4	-6.8	-8.0	-9.6	-5.0	-5.6	-4.0	2.8	7.6	7.0	3.3	-0.4	-4.5	-2.9	-2.6	-5.4	-0.4	1.0	-1.4
18	5.2	6.1	6.8	5.3	0.0	-4.5	-6.6	-7.6	-6.8	-5.1	-2.2	-1.6	-0.7	1.4	1.6	-0.2	-3.2	-4.8	-2.6	-3.4	-5.0	-1.6	0.4	-1.4
19	-0.1	1.8	2.6	2.0	-1.4	-4.3	-7.5	-8.3	-7.8	-7.6	-4.0	-4.7	-3.6	-4.3	-3.7	-3.3	-2.9	2.2	2.5	3.0	-1.6	-1.1	0.7	-2.9
20	2.8	4.6	4.2	1.8	-3.4	-8.6	-10.1	-10.6	-10.1	-8.3	-5.8	-3.5	-1.4	-2.0	-0.7	-0.9	-2.2	4.0	4.0	-3.4	-1.8	-0.4	0.0	-3.0
21	4.4	5.5	5.0	2.2	-1.8	-7.0	-9.8	-10.4	-9.4	-8.9	-6.1	-4.3	-3.0	-3.0	-3.8	-4.0	-4.0	2.4	2.2	-2.0	-2.2	-1.5	-0.2	-3.0
22	2.6	4.7	5.6	3.8	-0.9	-5.0	-8.6	-10.2	-9.4	-7.6	-5.9	-3.8	-2.9	-3.5	-3.6	-3.7	-3.9	2.9	3.0	2.8	-3.0	-4.0	-1.8	-3.0
23	2.8	5.0	5.0	3.0	-2.2	-7.9	-9.4	-10.2	-9.8	-8.2	-6.2	-4.7	-2.4	-2.4	-2.3	-2.0	-1.6	2.4	0.0	-3.6	-1.6	0.2	3.4	-2.5
24	6.2	7.9	4.7	4.0	0.0	-3.8	-13.5	-15.5	-14.6	-9.7	-8.4	-3.4	-2.8	-3.4	-3.4	-3.3	-3.3	3.3	2.4	-2.0	-3.6	0.2	2.5	-3.1
25	5.2	6.8	6.6	3.2	-0.2	-3.8	-7.2	-9.8	-10.0	-7.0	-4.5	-2.8	-1.8	-2.5	-2.9	-3.4	-3.4	3.1	3.8	2.2	-0.8	0.7	2.2	-2.0
26	4.6	4.9	3.8	1.4	-2.9	-7.0	-10.4	-12.2	-10.8	-7.2	-5.8	-3.6	-2.0	-2.1	-1.5	-2.7	-4.0	2.9	2.6	3.0	-2.2	-0.6	0.4	-3.0
27	2.6	5.2	5.8	2.5	-0.4	-3.4	-7.4	-9.4	-9.0	-8.4	-5.6	-3.2	-2.9	-3.4	-4.4	-4.4	-4.0	3.6	2.9	2.5	-2.5	-1.2	0.2	-2.7
28	3.3	3.8	3.8	1.8	-2.0	-5.8	-9.6	-10.6	-10.0	-7.9	-5.8	-4.0	-3.6	-3.6	-4.0	-4.3	-3.6	3.0	2.2	-1.8	-1.5	-1.2	0.3	-3.1
29	3.0	4.9	4.9	4.0	1.0	-2.9	-7.6	-10.2	-10.4	-9.3	-6.6	-4.7	-3.4	-3.8	-4.0	-4.4	-4.6	3.6	2.9	2.9	-2.5	-1.9	-0.6	-3.0
30	2.2	3.9	4.0	3.3	0.8	-3.2	-6.8	-9.6	-10.1	-9.8	-8.3	-6.2	-4.6	-4.3	-4.0	-4.2	-4.2	3.3	2.8	2.6	2.2	-1.4	-0.4	-3.2
31	1.8	4.3	5.8	5.0	1.0	-3.8	-7.4	-10.5	-10.8	-10.1	-7.0	-3.9	-3.4	-1.4	3.8	3.2	3.8	-1.8	-4.0	-2.9	2.2	-1.5	-0.4	-1.7
Среднее по всем дням	3.1	4.6	4.4	3.0	-0.8	-4.8	-7.9	-9.5	-9.5	-7.8	-6.0	-4.3	-2.6	-2.4	-2.5	-2.6	-3.0	-3.0	-2.8	-2.7	-2.2	-0.7	0.9	-2.6

Обработал Федотова

Проверил Гросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент горизонтальная составляющаяСреднемесячн. H = 17177⁸Месяц август Год 1968H = 17060⁸ + ...; $\epsilon_H = 236/\text{мм}$; H₀ = 17068⁸; 17069⁸

Время мировое Дни																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	134	127	118	109	102	103	110	116	113	110	109	119	127	131	132	132	131	131	128	128	128	128	130	122	
2	131	126	120	108	100	96	109	115	117	116	116	119	125	128	128	126	126	128	131	132	130	127	133	122	
3	138	131	122	93	98	112	118	114	114	109	114	120	131	136	144	143	151	148	148	148	140	139	145	129	
4	138	126	120	106	96	92	98	114	114	112	122	131	131	132	133	134	135	136	138	138	137	135	138	125	
5	139	134	126	112	103	103	109	116	117	114	116	116	140	129	137	138	142	132	140	144	152	150	151	130	
6	144	134	113	89	92	101	112	122	133	126	123	130	134	137	138	137	134	141	136	135	134	131	134	127	
7	121	108	109	102	103	91	98	101	113	121	136	136	128	121	125	133	136	126	125	127	126	126	129	120	
8	122	110	106	96	83	73	73	102	119	130	129	131	130	130	120	127	127	130	132	129	127	126	129	117	
9	128	119	99	96	92	90	98	111	115	117	121	132	128	130	129	135	139	140	125	130	132	123	127	120	
10	125	115	105	91	82	82	89	100	122	126	132	128	129	126	126	130	132	132	125	127	127	129	127	118	
11	125	112	101	96	90	92	98	112	118	121	124	132	128	128	127	128	131	129	128	130	129	129	127	119	
12	123	113	110	103	98	100	101	115	125	125	130	133	134	133	132	134	131	134	135	136	134	129	131	124	
13	133	127	118	105	99	99	108	123	131	128	132	135	139	136	147	145	138	129	132	136	139	139	138	129	
14	139	132	103	93	82	76	75	101	103	108	116	128	115	127	135	125	128	134	156	127	121	124	118	116	
15	135	125	106	92	56	70	90	82	90	103	115	110	122	144	123	124	120	116	114	115	116	116	111	109	
16	104	90	92	80	45	47	72	77	99	110	103	113	116	124	113	120	129	126	107	120	125	108	110	102	
17	75	102	102	60	37	44	70	80	90	101	97	112	133	140	108	106	119	109	114	110	106	103	110	98	
18	105	108	94	72	41	50	78	82	104	106	117	118	114	121	133	117	120	123	125	120	119	117	118	105	
19	108	106	98	86	73	75	85	85	92	101	119	121	125	127	127	125	124	129	122	130	121	119	121	110	
20	114	103	93	83	74	83	94	103	117	126	124	124	122	128	135	128	122	121	120	117	115	118	116	112	
21	120	113	103	87	78	77	90	105	124	133	130	126	125	124	124	124	127	126	126	126	125	125	127	116	
22	129	123	108	88	79	83	93	112	127	130	134	134	123	125	125	127	131	130	127	134	132	129	117	119	
23	123	118	105	88	75	84	99	108	112	117	121	123	122	120	116	117	115	126	124	127	120	121	121	113	
24	122	108	106	101	93	54	55	91	109	108	115	109	110	115	109	113	116	120	118	115	113	116	115	106	
25	115	107	98	90	82	84	96	110	124	133	132	128	123	120	120	122	127	126	126	128	120	117	117	115	
26	122	113	101	83	75	82	99	110	114	117	132	134	133	131	127	124	122	124	125	122	121	123	124	116	
27	129	126	108	96	91	99	108	110	124	132	127	132	134	129	130	130	129	129	132	132	128	127	127	122	
28	132	126	114	103	95	90	106	120	132	139	143	143	137	134	134	136	133	132	132	132	132	127	129	126	
29	130	121	108	98	95	96	103	113	120	132	138	141	136	133	131	134	135	134	133	132	131	130	129	124	
30	132	127	116	103	96	97	103	106	118	127	132	136	137	136	136	134	136	136	134	134	134	131	130	125	
31	134	129	117	110	106	103	113	130	135	138	132	130	116	101	98	97	81	94	103	127	111	113	115	115	
Среднее по всем дням	125	118	108	94	84	85	95	106	116	120	124	126	127	128	127	127	128	128	128	129	127	125	125	127	117

Обработал БогороваПроверил Тросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Среднемесячн. $\bar{z} = 56611^{\circ}$ Элемент вертикальная составляющаяМесяц август Год 1968 $\bar{z} = 56620^{\circ} + \dots$; $\varepsilon_z = 1.48^{\circ}/\text{мм}$; $\bar{z}_0 = 56632^{\circ}$

Время мировое 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	-4	-5	-3	-5	-16	-22	-24	-26	-18	-10	-2	-1	-4	-7	-6	-7	-9	-10	-9	-10	-10	-8	-6	-10	
2	-7	-10	-11	-12	-17	-26	-34	-28	-20	-18	-16	-8	-6	-8	-8	-9	-10	-10	-10	-12	-12	-9	-6	-13	
3	-4	-4	-4	-4	-13	-10	-13	-12	-10	-12	-5	-1	-2	-4	-6	-7	-6	-7	-8	-8	-8	-8	-6	-7	
4	-3	-4	-6	-11	-14	-16	-15	-14	-14	-12	-12	-11	-9	-9	-9	-10	-10	-12	-11	-10	-12	-10	-9	-10	
5	-6	-6	-11	-18	-24	-18	-16	-18	-18	-13	-3	-6	-4	0	-3	-2	-10	-8	-9	-9	-10	-9	-9	-10	
6	-8	-12	-10	-14	-21	-20	-19	-20	-20	-16	-10	-4	-4	-6	-6	-6	-7	-9	-9	-10	-14	-12	-6	-11	
7	-3	-10	-18	-16	-20	-22	-20	-17	-7	-4	2	9	9	2	-4	-5	-12	-9	-8	-9	-8	-10	-6	-8	
8	-5	-4	-14	-14	-15	-22	-22	-20	-11	-10	-9	-6	-7	-6	-10	-9	-10	-10	-10	-10	-10	-11	-9	-11	
9	-6	-10	-9	-10	-19	-22	-23	-15	-12	-10	-8	-1	-6	-10	-10	-10	-10	-10	-11	-12	-17	-14	-8	-11	
10	-7	-10	-12	-16	-19	-20	-20	-18	-10	-8	-10	-8	-10	-12	-12	-12	-12	-12	-10	-10	-10	-12	-10	-12	
11	-7	-7	-9	-12	-18	-14	-11	-12	-6	-4	-2	-2	-6	-7	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	
12	-6	-9	-10	-16	-24	-30	-32	-28	-22	-20	-14	-9	-10	-12	-12	-12	-12	-12	-12	-12	-16	-13	-12	-15	
13	-10	-12	-12	-18	-20	-24	-23	-20	-15	-10	-8	-8	-10	-12	-12	-10	-8	-7	-8	-8	-16	-16	-14	-13	
14	-20	-18	-20	-26	-22	-18	-18	-16	-5	4	8	12	13	3	0	-4	-6	-8	-17	-13	-13	-14	-14	-9	
15	-12	-15	-15	-18	-18	-16	-18	-18	-10	1	7	11	12	14	6	0	-5	-6	-7	-8	-11	-18	-15	-7	
16	-10	-10	-17	-16	-15	-19	-24	-21	-14	-13	-9	-6	-6	-2	2	2	-3	-18	-18	-16	-29	-36	-15	-13	
17	-10	-15	-14	-12	-14	-12	-8	-2	-6	1	2	9	14	13	2	2	-10	-11	-12	-10	-9	-12	-9	-5	
18	-4	-8	-12	-14	-10	-12	-15	-12	-4	-3	0	5	2	6	2	-1	-4	-6	-13	-11	-13	-16	-9	-6	
19	-4	-6	-14	-16	-18	-20	-17	-10	-2	5	8	6	0	-5	-5	-7	-7	-10	-8	-8	-8	-7	-4	-7	
20	-3	-4	-7	-11	-16	-12	-12	-12	-4	-2	3	2	-4	-9	-6	-7	-7	-8	-7	-7	-7	-7	-6	-7	
21	-3	-4	-7	-10	-16	-19	-18	-16	-13	-10	-6	-4	-6	-9	-10	-9	-9	-9	-9	-10	-10	-9	-6	-9	
22	-5	-4	-4	-4	-11	-15	-16	-16	-10	-4	-4	-2	-6	-12	-11	-10	-10	-9	-9	-11	-10	-9	-9	-9	
23	-6	-9	-14	-20	-24	-22	-20	-18	-10	-10	-6	4	2	-3	-4	-6	-5	-8	-7	-8	-11	-11	-9	-10	
24	-4	-8	-16	-18	-18	-16	-15	-15	-10	1	4	12	4	-3	-4	-4	-6	-5	-8	-8	-8	-9	-6	-7	
25	2	0	-4	-6	-7	-9	-10	-11	-7	-3	-1	0	-6	-10	-10	-10	-10	-10	-10	-10	-10	-10	-6	-7	
26	-3	-4	-10	-14	-17	-19	-15	-11	-2	2	0	-2	-8	-8	-8	-8	-8	-8	-9	-9	-9	-8	-6	-8	
27	-2	-4	-6	-8	-12	-18	-18	-12	-6	2	4	2	-6	-13	-10	-10	-10	-10	-10	-9	-10	-10	-9	-8	
28	-6	-8	-9	-11	-13	-13	-13	-12	-7	-10	-9	-10	-10	-12	-12	-12	-12	-12	-12	-12	-12	-13	-11	-11	
29	-6	-6	-8	-16	-22	-22	-19	-15	-13	-11	-8	-7	-8	-11	-12	-12	-11	-12	-11	-12	-12	-12	-11	-12	
30	-6	-6	-7	-12	-18	-18	-17	-18	-16	-13	-12	-8	-10	-11	-12	-14	-12	-12	-12	-12	-14	-14	-14	-12	
31	-11	-8	-9	-12	-18	-22	-20	-20	-19	-18	-14	-2	3	10	13	10	2	-2	-11	-17	-16	-11	-7	-8	
Среднее по всем дням	-6	-8	-10	-13	-17	-18	-18	-16	-11	-7	-4	-1	-3	-5	-6	-7	-8	-9	-10	-10	-12	-12	-9	-6	-9

Обработал ВороваПроверил Гросекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент склонениеСреднемесячн. D = 8°56.8'Месяц сентябрь Год 1968D = 9°00.0' + ...; $\varepsilon_D = 0.358/\text{мм}; D_0 = 8°57.1'; 8°56.5'$

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	1.0	1.9	2.2	2.0	-0.6	-2.9	-6.0	-9.0	-9.9	-7.6	-3.8	-2.7	-1.8	-2.0	-2.4	-1.9	-1.3	-2.8	-2.4	-3.2	-3.6	-3.5	-2.5	-2.3	-2.7
2	0.2	2.3	3.3	3.0	-0.5	-4.1	-7.2	-8.8	-8.8	-6.6	-4.3	-2.3	-6.0	3.2	-2.7	-2.6	-3.9	3.5	-3.9	-2.7	-1.0	-0.5	1.0	0.7	-2.6
3	3.2	4.0	3.0	0.6	-3.0	-6.1	-7.4	-7.3	-9.4	-9.9	-7.6	-8.2	-5.6	-5.1	-5.0	-4.9	1.0	-2.4	-2.2	-2.0	0.0	-3.6	0.7	0.3	-3.2
4	0.4	0.8	3.0	1.8	-0.5	-2.4	-6.1	-8.3	-9.2	-8.3	-4.7	0.7	-1.1	-2.5	-1.4	-0.4	-3.0	-2.8	-3.1	-3.0	-2.3	-1.8	-2.0	-0.2	-2.4
5	1.3	2.9	3.6	1.1	-1.1	-5.8	-11.4	-11.0	-11.2	-9.2	-5.8	-3.5	-2.1	-2.7	-5.4	-4.6	-4.1	-4.0	-3.9	-2.8	-3.8	-1.2	-0.3	0.6	-3.5
6	0.9	2.1	1.0	0.4	-2.5	-5.1	-7.2	-7.6	-7.9	-7.1	-5.4	-4.4	-4.2	-3.9	-4.8	-5.6	-5.6	-1.6	-3.1	-2.7	-1.4	4.4	4.7	6.8	-2.5
7	4.6	3.8	3.2	1.3	-2.8	-6.4	-9.6	-9.6	-7.8	-6.6	-4.9	-4.0	-4.8	-5.3	-5.6	-5.3	-3.7	-2.9	-1.4	1.5	2.8	3.0	7.2	6.5	-1.9
8	4.8	1.0	3.9	0.1	-3.9	-3.1	-6.7	-7.1	-6.7	-4.6	-2.4	2.2	4.4	0.8	0.7	-4.8	3.2	0.4	0.8	-1.0	-1.1	-0.6	-0.3	0.4	-0.8
9	-0.8	1.5	1.9	0.9	-2.0	-4.3	-6.8	-6.8	-6.4	-4.6	-4.3	-3.6	-1.8	-4.6	-3.5	-3.3	-3.1	-3.5	-3.0	-4.4	-2.7	-1.3	-0.6	-1.0	-2.8
10	-0.3	1.5	1.8	1.1	-1.3	-3.6	-7.8	-9.8	-9.2	-7.3	-4.6	-4.0	-4.2	-3.9	-4.0	-3.7	-1.8	-2.1	-3.4	-3.1	-3.5	-3.7	-3.1	-2.1	-3.4
11	-0.9	-0.1	0.2	0.4	-1.0	-5.2	-9.2	-10.8	-10.5	-9.0	-5.9	-4.4	-4.0	-3.5	-3.6	-3.8	-3.9	-3.7	-3.5	-3.0	-3.4	-3.5	-3.2	-2.1	-4.1
12	-0.3	2.7	3.7	3.0	-1.0	-3.6	-6.6	-8.0	-11.4	-12.0	-7.9	-7.3	-3.3	-0.3	6.9	2.5	0.1	-0.4	-2.6	-4.2	-1.0	-2.4	-3.7	-3.2	-2.5
13	-3.9	-4.8	-1.1	1.5	-1.4	-2.3	-5.0	-8.9	-9.2	-9.0	-7.4	-4.6	-0.7	-1.2	2.2	3.0	4.0	-1.4	-3.1	-7.4	-2.0	-1.9	-6.7	-4.2	-3.1
14	4.0	-2.9	0.1	-3.0	-1.4	-2.8	-7.4	-7.7	-10.3	-10.2	-3.9	-1.1	3.7	1.4	-2.5	-2.9	-2.5	-5.3	-2.6	-3.3	-5.4	-3.4	-1.0	-0.9	-3.0
15	-1.0	-0.1	-1.1	-2.6	-1.0	-3.1	-6.6	-8.0	-9.6	-9.6	-6.7	-2.8	-1.7	-0.6	-1.3	5.8	-1.4	-1.7	-6.6	-0.3	-2.8	-2.8	-3.0	-3.0	-3.0
16	-0.8	1.1	1.3	0.7	-2.0	-3.6	-5.5	-7.0	-7.4	-6.8	-4.9	-4.3	-2.6	-2.1	-2.5	-3.1	-3.7	-3.1	-4.0	-3.6	-3.5	-3.2	-2.9	-2.5	-3.2
17	-1.3	1.1	2.6	3.3	1.9	-2.9	-6.9	-8.9	-9.2	-8.5	-6.0	-4.8	-3.8	-3.8	-3.9	-4.4	-4.0	-3.2	-1.9	-2.6	-3.0	-3.5	-3.4	-2.8	-3.3
18	-1.2	0.7	1.6	2.0	-0.3	-3.8	-6.7	-8.4	-8.6	-8.1	-7.2	-5.8	-4.7	-4.3	-3.5	-3.7	-3.9	-3.1	-3.5	-3.9	-4.0	-2.9	-3.2	-3.0	-3.7
19	-2.4	-0.1	2.2	2.1	-1.6	-6.0	-7.2	-9.9	-10.8	-8.5	-5.4	-5.8	-4.9	-4.6	-4.2	-3.3	-4.0	-3.5	-3.1	-3.1	-2.4	-2.6	-1.9	-1.3	-3.8
20	-0.4	0.1	1.5	-0.3	-2.6	-4.8	-8.1	-9.7	-9.4	-7.4	-5.6	-4.6	-4.6	-4.7	-4.6	-4.3	-4.2	-3.6	-3.6	-2.8	-2.4	-2.0	-1.0	-1.1	-3.8
21	-0.4	-0.1	0.4	-0.1	-1.6	-5.3	-10.2	-11.7	-9.9	-7.6	-5.4	-4.8	-3.8	-5.5	-4.8	-1.6	-1.4	-1.7	-2.8	-2.5	-3.8	-2.3	-2.0	-1.8	-3.8
22	-0.7	-2.3	-1.0	0.4	-0.2	-3.1	-6.4	-10.0	-9.1	-7.9	-6.2	-5.2	-3.6	-5.4	-2.4	-3.3	-3.1	-4.0	-3.9	-3.1	-4.0	-3.2	-6.5	-2.8	-4.0
23	-0.3	-2.3	-2.8	-3.9	-2.4	-2.4	-4.9	-7.4	-9.8	-6.7	-5.6	-5.3	-3.9	0.3	1.4	6.2	-1.4	-1.8	-2.2	-2.5	-2.1	-1.7	-1.4	-1.8	-2.7
24	-1.6	-0.6	1.0	1.4	0.4	-2.8	-4.9	-7.6	-9.2	-7.2	-6.4	-4.6	-4.1	-4.2	-4.0	-4.0	-3.4	-3.4	-3.3	-3.9	-2.6	-2.0	-2.3	-2.0	-3.4
25	-1.2	0.6	1.1	1.0	-1.7	-4.0	-6.7	-9.5	-10.1	-8.9	-6.8	-5.9	-4.9	-5.2	-5.0	-4.9	-4.3	-3.9	-3.9	-3.4	-3.1	-3.0	-2.6	-2.6	-4.1
26	-1.9	-1.0	0.2	0.1	-0.3	-2.4	-5.5	-6.8	-7.8	-8.8	-7.4	-6.6	-5.8	-5.4	-5.3	-3.2	-3.2	-3.9	-3.8	-3.1	-2.9	-2.6	-2.9	-2.7	-3.9
27	-2.6	-1.4	-0.3	0.5	0.1	-0.7	-3.9	-6.0	-8.2	-9.5	-8.8	-6.8	-5.7	-5.3	-5.0	-4.6	-4.3	-4.1	-3.3	-3.6	-3.4	-3.5	-2.9	-3.4	-4.0
28	-2.9	-2.0	0.4	1.4	0.4	-2.0	-4.7	-7.2	-9.7	-10.3	-7.8	-5.0	-5.3	-5.1	-4.0	-3.5	-4.2	-3.0	-3.8	-4.9	-3.2	-3.7	-2.4	-2.5	-4.0
29	-2.1	-1.7	-1.0	0.3	-0.3	-1.8	-3.9	-5.7	-8.9	-9.9	-10.4	-8.1	-6.7	-5.9	-5.5	-4.7	-3.1	-3.6	-1.4	-1.0	-4.2	-3.7	-1.9	-2.1	-4.0
30	-2.6	-1.4	1.1	2.1	1.5	-1.1	-4.3	-8.1	-9.3	-10.6	-8.0	-7.0	-6.2	-6.4	-5.7	-3.1	-2.6	-3.5	-3.9	-3.8	-2.9	0.1	-0.7	-3.1	-3.7
31																									
Среднее по всем дням	-0.3	0.2	1.2	0.7	-1.1	-3.6	-6.7	-8.4	-9.2	-8.3	-6.0	-4.5	-3.5	-3.5	-3.0	-2.6	-2.6	-2.9	-3.1	-3.0	-2.6	-2.1	-1.7	-1.3	-3.2

Обработал РедотоваПроверил Троссекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент горизонтальная составляющаяМесяц сентябрь Год 1968 $H = 14060^{\circ} + \dots$; $\varepsilon_n = 2.38^{\circ}/\text{мм}$; $H_0 = 14069^{\circ}; 14040^{\circ}$

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	114	108	100	94	84	80	79	82	106	110	99	106	108	106	114	118	126	123	126	123	123	122	108	
2	120	114	104	96	92	92	99	110	113	116	120	114	128	118	132	130	126	132	127	123	122	121	128	117
3	136	130	118	116	98	104	108	108	130	121	122	136	126	126	128	128	148	121	128	122	131	123	128	123
4	124	116	111	92	74	76	89	99	126	126	116	110	114	112	133	135	122	121	124	118	115	114	123	113
5	124	115	104	89	88	79	94	104	130	125	129	127	117	134	129	131	136	131	129	130	127	124	119	119
6	112	112	102	96	90	80	84	101	119	131	131	128	124	127	136	136	144	124	129	131	156	112	127	120
7	115	112	100	88	82	90	102	122	138	147	139	131	139	122	128	130	128	126	117	115	108	104	101	117
8	90	64	50	39	34	32	36	43	49	94	90	84	88	76	62	76	61	82	84	91	82	100	100	70
9	91	88	86	86	79	84	91	98	98	98	97	97	106	108	114	114	114	111	116	119	120	119	114	103
10	108	99	84	72	69	70	81	96	112	125	118	112	122	124	122	124	110	118	120	120	122	119	117	107
11	117	109	96	88	76	72	84	102	112	124	121	119	121	120	120	119	122	126	124	124	127	129	128	113
12	128	124	110	92	82	80	80	82	106	106	110	101	108	98	110	108	110	126	122	115	117	115	110	107
13	104	118	97	79	70	53	58	82	91	104	110	104	85	79	95	98	95	128	121	111	112	104	112	96
14	112	93	64	55	67	68	61	46	90	98	103	91	118	118	98	121	128	117	118	122	128	110	118	98
15	110	104	66	70	70	74	70	77	100	112	119	119	117	103	123	133	112	118	106	110	109	110	105	102
16	105	104	94	72	72	79	86	94	102	112	113	116	115	128	123	128	122	124	122	118	115	115	118	108
17	116	110	96	93	88	87	90	98	119	122	123	126	120	122	124	124	124	124	118	119	119	119	119	114
18	118	112	105	96	93	93	106	117	128	127	126	125	124	124	124	119	119	120	124	124	125	124	124	117
19	125	124	123	104	84	88	94	98	109	108	115	118	118	120	124	124	119	120	121	121	120	120	120	114
20	115	110	99	74	84	92	103	110	120	129	129	127	124	124	127	124	124	128	128	126	127	122	122	116
21	121	118	113	101	98	90	89	115	128	134	131	128	126	108	123	138	140	124	127	127	126	128	127	120
22	122	118	112	105	100	100	104	115	122	130	130	128	110	111	126	132	126	132	129	136	131	129	122	121
23	124	118	89	74	88	100	96	94	104	91	106	112	115	110	124	96	90	106	109	110	108	110	110	104
24	110	108	100	92	88	88	94	106	117	124	126	120	119	120	120	120	121	122	130	122	115	118	118	113
25	115	112	107	100	94	92	96	104	114	124	126	126	125	127	127	128	127	126	128	129	130	128	130	118
26	127	124	117	108	101	96	98	96	108	127	134	135	134	135	135	137	131	132	132	133	133	133	131	124
27	133	129	124	118	106	103	108	110	115	122	126	126	126	128	130	130	131	132	132	130	130	130	133	124
28	139	140	135	129	122	114	110	108	114	127	128	128	130	130	131	128	130	141	142	137	134	139	134	129
29	129	131	130	129	120	105	102	103	112	114	117	121	128	132	134	134	138	141	130	136	138	138	139	126
30	136	138	132	124	116	109	109	110	114	127	129	128	129	128	134	140	143	136	142	136	131	132	134	129
31																								
Среднее по всем дням	118	113	102	92	87	86	90	98	112	118	119	118	119	117	122	123	122	124	123	123	123	120	121	113

Обработал ЗгороваПроверил Редотова

Среднемесячн. $\bar{z} = 56612^{\circ}$

Ведомство АН СССР

Обсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'

Элемент вертикальная составляющая

Месяц сентябрь Год 1968

$\bar{z} = 56620^{\circ} + \dots$; $\epsilon_z = 1.49^{\circ}/\text{мм}$; $\bar{z}_0 = 56633^{\circ}$

Время мировое 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	-3	-2	-5	-7	-8	-8	-12	-11	-6	-2	7	8	6	2	-2	-2	-6	-7	-8	-8	-8	-7	-6	-4
2	-5	-4	-7	-9	-14	-14	-13	-13	-8	-4	4	6	4	4	-2	-2	-4	-4	-7	-10	-8	-8	-8	-6
3	-9	-9	-12	-16	-18	-16	-15	-16	-11	-6	-3	0	-5	-8	-8	-8	-12	-12	-9	-9	-10	-17	-12	-6
4	-10	-6	-8	-6	-8	-9	-15	-18	-12	0	3	8	6	1	-3	-8	-10	-9	-10	-10	-10	-9	-9	-6
5	-6	-6	-9	-10	-9	-8	-15	-17	-12	-6	0	-3	-5	-9	-10	-9	-11	-14	-11	-11	-14	-14	-12	-7
6	-7	-8	-11	-12	-11	-8	-9	-10	-9	-5	-5	-6	-10	-10	-12	-10	-10	-14	-11	-11	-11	-20	-20	-21
7	-20	-16	-12	-14	-14	-12	-15	-17	-14	-11	-7	-7	-10	-12	-11	-10	-8	-8	-8	-6	-5	-8	-11	-19
8	-30	-36	-33	-30	-20	-17	-10	-7	6	34	38	39	38	25	27	14	14	-2	-2	2	4	4	4	6
9	6	4	4	4	0	-8	-14	-12	-6	-5	-2	-2	1	-3	-2	-2	-2	-5	-5	-7	-7	-8	-6	-4
10	0	3	2	2	-4	-11	-15	-14	-10	-7	-3	-4	-6	-6	-5	-5	-4	-4	-5	-6	-7	-8	-7	-6
11	-4	-1	-1	-1	-6	-12	-16	-15	-9	-1	2	0	-4	-6	-6	-7	-8	-9	-9	-9	-9	-9	-8	-6
12	-2	-2	-2	-6	-9	-12	-12	-8	-3	1	6	5	10	13	14	2	-1	-8	-15	-18	-14	-10	-10	-8
13	-8	-17	-15	-12	-16	-12	-17	-11	-6	-2	3	18	29	28	22	14	10	-2	-17	-22	-14	-9	-9	-8
14	-8	-6	-5	-6	-9	-10	-11	-6	-4	2	14	18	12	9	9	-1	-6	-12	-10	-9	-16	-19	-14	-8
15	-6	-2	-2	-2	-4	-8	-14	-10	-8	-6	-2	5	6	4	-2	-3	-6	-8	-19	-12	-11	-10	-8	-5
16	-2	-2	0	0	-2	-6	-9	-6	-4	-1	4	4	1	-3	-5	-7	-7	-9	-11	-10	-10	-8	-10	-7
17	-3	0	2	0	-8	-12	-12	-9	-2	-1	1	0	-4	-5	-6	-6	-8	-8	-10	-11	-10	-11	-9	-8
18	-2	0	1	-2	-6	-14	-20	-16	-15	-15	-11	-8	-8	-9	-9	-8	-8	-8	-8	-9	-9	-10	-9	-8
19	-8	-6	-5	-5	-6	-11	-12	-11	-9	3	-2	-2	-3	-6	-6	-6	-7	-8	-8	-9	-9	-10	-10	-9
20	-6	-6	-4	-6	-12	-20	-26	-22	-17	-14	-11	-12	-11	-11	-11	-11	-12	-12	-12	-12	-14	-14	-14	-11
21	-10	-9	-11	-10	-11	-14	-17	-17	-14	-14	-12	-11	-8	-6	-6	-6	-15	-11	-12	-12	-14	-14	-14	-11
22	-10	-8	-8	-8	-12	-17	-24	-24	-17	-14	-10	-10	-5	-5	-5	-11	-12	-12	-12	-10	-15	-18	-23	-22
23	-16	-12	-6	0	-6	-10	-11	-8	-7	6	8	4	-2	-2	-5	-5	-6	-10	-8	-8	-8	-9	-9	-9
24	-6	-2	-2	0	-2	-6	-12	-14	-12	-8	-7	-7	-9	-9	-9	-9	-11	-11	-9	-12	-13	-12	-11	-10
25	-6	-6	-6	-8	-11	-11	-16	-17	-20	-14	-8	-7	-9	-8	-9	-9	-9	-10	-10	-11	-11	-11	-12	-11
26	-8	-6	-7	-8	-11	-16	-17	-18	-19	-16	-11	-11	-12	-12	-14	-12	-11	-11	-13	-14	-14	-15	-15	-14
27	-12	-10	-11	-11	-9	-14	-22	-26	-24	-21	-20	-14	-14	-14	-14	-14	-14	-14	-15	-15	-15	-15	-14	-15
28	-14	-12	-11	-11	-14	-20	-22	-17	-14	-9	-11	-9	-11	-12	-12	-11	-11	-12	-15	-20	-20	-18	-18	-17
29	-16	-14	-16	-18	-18	-15	-17	-18	-22	-24	-20	-15	-14	-15	-15	-14	-14	-14	-15	-17	-21	-22	-22	-20
30	-18	-15	-15	-17	-20	-23	-23	-27	-29	-24	-20	-15	-14	-14	-15	-15	-19	-18	-17	-18	-16	-20	-20	-21
31																								
Среднее по всем дням	-8	-7	-7	-8	-10	-12	-15	-14	-11	-6	-2	-1	-2	-3	-4	-6	-8	-10	-11	-11	-11	-12	-12	-10

Обработал Просекова

Проверил Ворова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51'Долгота 83°15'Элемент СКЛОНЕНИЕСреднемесячн. D = 8°56.9Месяц октябрь Год 1968D = 9°00.0 + ...; $E_D = 0.359\%$; $D_0 = 8°56.5; 8°56.8$

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	-5.8	-3.7	-0.8	-2.4	0.0	-1.0	-3.9	-7.4	-10.0	-10.5	-8.2	-6.8	-6.0	-6.0	-4.6	-4.9	-3.5	-0.3	-3.7	-2.5	-1.0	-0.8	-0.7	-3.0	-2.3	-2.0
2	-3.2	-8.2	-3.0	1.9	2.8	-3.4	-5.0	-4.4	-6.1	-7.0	-3.7	-3.6	-4.6	0.6	9.7	2.6	0.2	-3.6	-2.1	-1.9	-1.8	-1.4	-1.6	-1.4	-3.4	
3	-2.8	-1.4	-8.0	-0.3	-0.2	-0.9	-4.8	-6.8	-4.7	-6.6	-2.7	-3.2	-2.4	-1.1	-1.9	-2.5	-3.0	-2.2	-1.7	-2.2	-2.3	-2.2	-2.4	-2.8	-2.8	
4	-1.4	-0.2	1.7	2.0	0.6	-1.9	-5.0	-7.4	-8.6	-6.9	-5.0	-4.3	-4.0	-3.9	-3.1	-1.8	-2.7	-2.4	-2.6	-2.4	-2.4	-2.1	-2.4	-2.6	-2.8	
5	-2.6	-1.8	0.0	0.8	1.6	-0.7	-3.2	-6.3	-6.8	-4.8	-4.3	-4.0	-3.6	-3.2	-4.4	-3.9	-3.2	-3.2	-2.8	-4.3	-3.6	-2.5	-3.4	-3.9	-3.5	
6	-2.2	-0.6	0.7	1.6	0.7	-0.9	-3.6	-6.4	-7.2	-7.7	-7.1	-6.0	-5.2	-4.8	-4.6	-3.8	-3.0	-2.9	-6.8	-3.0	2.0	-3.8	-2.8	-2.7	-3.0	
7	-3.2	-1.0	0.8	1.9	0.2	-1.0	-3.8	-3.8	-4.6	-5.8	-5.7	-5.2	-4.4	-3.7	-3.9	-3.9	-3.9	-4.3	-3.2	-4.0	-3.8	-3.6	-3.6	-3.8	-3.2	
8	-5.2	-2.0	0.5	1.8	2.4	0.3	-2.1	-5.4	-7.4	-7.8	-6.6	-4.6	-4.3	-3.8	-3.6	-1.8	-1.8	-2.8	-2.8	-3.3	-3.6	-3.8	-5.4	-5.6	-3.8	
9	-3.6	-3.0	-1.3	0.2	1.4	-1.0	-3.9	-8.0	-9.3	-8.9	-6.8	-4.8	-3.9	-4.6	-1.9	-1.8	-3.2	-3.0	-4.0	-3.8	-3.8	-3.6	-3.8	-3.8	-3.5	
10	-4.8	-1.8	0.4	2.2	0.8	-1.4	-4.6	-7.3	-7.8	-6.3	-4.6	-3.8	-4.1	-3.9	-3.9	-3.4	-4.1	-3.8	-4.2	-4.2	-3.8	-3.8	-4.1	-4.4	-3.6	
11	-3.2	-1.4	1.8	2.5	2.4	-0.2	-3.4	-7.1	-8.8	-7.5	-5.8	-4.6	-4.6	-5.0	-4.8	-4.9	-4.3	-4.3	0.4	2.7	3.8	3.8	-5.6	-1.2	-2.0	
12	-4.1	-5.5	-4.3	-1.0	-0.8	-3.6	-3.1	-7.6	-10.2	-10.8	-6.8	-1.4	-3.2	-2.6	0.8	1.1	-0.6	10.6	-3.8	-3.2	-3.5	-4.3	-7.4	-4.0	-2.6	
13	-0.6	-2.1	-2.5	-0.4	-2.0	-1.2	-4.6	-4.5	-4.8	-2.9	-2.3	-2.5	3.6	-1.4	-1.1	-1.2	-2.6	-4.4	-4.4	-4.3	-2.0	-5.2	-6.0	-2.9	-2.6	
14	-2.0	-0.3	1.4	1.1	-0.1	-2.6	-4.6	-5.5	-6.1	-5.0	-4.6	-3.0	2.2	-1.6	-2.4	-3.2	0.0	-1.4	-2.5	-3.0	-3.2	-3.8	-2.8	-2.5	-3.1	
15	-2.6	-1.8	-0.2	0.4	-0.4	-2.3	-3.8	-5.4	-6.5	-5.8	-5.0	-5.0	-4.5	-3.2	-3.2	-2.6	-3.1	-1.8	-3.6	-3.4	3.2	-2.8	-2.6	-2.8	-3.1	
16	-2.4	-1.8	-0.3	0.6	0.0	-2.0	-4.9	-6.8	-6.7	-6.8	-5.5	-4.8	-4.0	-3.6	0.6	-1.0	-3.1	-3.8	-2.8	-2.5	-2.4	-2.7	-2.4	-1.6	-3.4	
17	-2.9	-3.2	-1.0	-0.2	-0.3	-2.8	-5.0	-7.5	-8.2	-6.8	-5.0	-4.6	-4.5	-3.8	-2.2	-3.5	-3.8	-3.1	-2.8	-3.4	-2.8	-3.2	-2.9	-3.6	-3.6	
18	-2.1	-1.9	-1.3	-0.8	-1.2	-2.8	-3.9	-6.4	-6.9	-6.2	-5.3	-4.6	-4.6	-4.3	-4.0	-4.2	-3.8	-3.3	-4.0	-0.1	-0.3	1.8	-2.4	-3.8	-3.6	
19	-3.6	-3.2	-2.1	-1.0	-1.6	-2.8	-5.3	-6.8	-7.2	-6.4	-5.4	-5.0	-3.6	-5.4	-5.2	-4.8	-4.4	-4.0	-2.3	-3.2	-3.1	-2.8	-2.8	-2.7	-3.4	
20	-3.3	-2.3	-1.4	-0.3	-1.0	-3.2	-5.5	-5.4	-6.2	-6.8	-5.2	-5.4	-4.3	-2.6	-3.9	-4.3	-2.5	-0.5	-3.0	-3.2	-2.9	-3.0	-2.6	-3.1	-3.6	
21	-2.8	-2.7	-1.2	0.0	0.0	-2.0	-3.9	-5.4	-6.8	-6.8	-6.1	-5.4	-4.8	-4.8	-4.4	-4.2	-3.6	-3.2	-3.1	-2.6	-2.2	2.2	-2.5	-2.9	-3.5	
22	-3.0	-2.2	-1.4	-0.4	-1.2	-2.5	-4.4	-6.6	-7.5	-6.8	-5.6	-5.6	-5.0	-4.8	-4.4	-4.8	-4.1	-3.3	-2.8	-3.2	-3.0	-3.2	-3.4	-3.8	-3.9	
23	-3.0	-2.7	-1.9	-1.0	-0.8	-2.6	-4.4	-6.3	-6.9	-6.2	-5.4	-5.4	-5.2	-5.0	-4.9	-4.8	-4.4	-4.0	1.6	2.5	-0.7	-1.2	-2.6	-2.6	-3.7	
24	-3.7	-2.8	-1.8	-1.1	-2.2	-3.9	-7.1	-9.0	-8.6	-7.0	-6.4	-6.8	-6.4	-5.6	-5.6	-4.3	-3.8	-0.6	-3.2	-2.6	-3.6	-4.2	-4.2	-4.2	-3.8	
25	-2.5	-1.8	0.4	0.0	-1.0	-2.4	-5.7	-7.9	-7.1	-8.3	-6.6	-6.2	-4.4	-0.6	-3.3	-3.6	-3.8	-3.4	-3.2	-1.8	-1.4	-2.2	-2.6	-2.4	-3.9	
26	-4.2	-3.2	-1.9	-1.2	-1.4	-2.8	-4.8	-6.8	-7.2	-5.5	-5.7	-6.4	-6.0	-5.7	-5.1	-4.3	-4.2	-3.6	-2.6	-3.2	-3.0	-3.4	-3.1	-3.6	-3.8	
27	-3.6	-2.5	-0.7	0.0	-1.4	-3.2	-4.6	-6.3	-6.1	-5.4	-5.8	-6.1	-6.0	-5.7	-3.4	-3.6	-3.8	-3.6	-3.4	-3.5	-3.6	-4.0	-4.3	-6.0	-4.3	
28	-4.2	-2.6	-1.3	-0.6	-1.4	-3.6	-6.1	-6.9	-7.1	-6.2	-5.8	-6.0	-5.6	-5.2	-4.6	-3.9	-3.4	-3.3	6.4	3.3	-4.6	0.5	-0.6	-0.6	-2.8	
29	-5.4	-2.4	-1.3	0.0	-1.2	-3.8	-6.0	-8.0	-8.0	-8.0	-7.7	-6.8	-10.2	-7.5	-7.6	-6.4	0.4	19.0	-2.4	-3.1	-5.6	-3.8	-3.9	-5.0	-2.0	
30	-0.7	0.0	0.8	0.6	-0.4	-2.6	-4.4	-4.8	-4.8	-3.9	-1.9	-1.8	-1.2	3.6	0.8	-0.3	-1.2	-1.4	15.3	14.0	4.6	5.2	3.3	2.0	1.2	
31	-1.0	-8.4	-4.8	-2.4	-3.5	-3.1	-4.2	-5.0	-3.1	-4.2	-8.1	6.8	-6.3	2.0	18.8	2.1	4.3	15.6	-1.9	-1.7	-2.2	-2.2	-3.1	-2.9	-3.1	
Среднее по всем дням	-3.4	-3.0	-1.1	0.1	-0.3	-2.2	-4.5	-6.4	-7.0	-6.6	-5.5	-4.4	-4.2	-3.5	-2.3	-3.0	-2.7	-1.2								

Обработал ПросениоваПроверил Федотова

Ведомство АН СССРОбсерватория Иючи (Новосибирск)Широта 54°51'Долгота 83°15'Элемент горизонтальная составляющаяСреднемесячн. H = 17170^δМесяц октябрь Год 1968H = 17100^δ + ...; $E_H = \frac{2.36}{2.37} \text{ мм.}$ H₀ = 17070^δ; 17069^δ.

Время мировое Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	99	98	83	60	54	51	43	48	58	64	66	81	81	81	74	81	88	87
2	66	65	70	71	36	1	5	38	55	50	30	26	34	50	52	48	49	64
3	56	30	46	35	38	4	15	20	24	27	41	62	62	55	56	62	64	66
4	70	70	64	55	42	35	37	51	67	74	76	74	74	75	72	76	77	78
5	78	78	74	66	54	48	50	55	63	68	77	74	74	77	78	77	77	77
6	76	76	71	64	60	58	79	91	97	95	92	88	81	86	86	90	86	86
7	90	88	84	64	70	57	55	36	50	60	67	73	77	78	84	84	93	102
8	72	86	86	75	64	50	47	48	55	64	70	74	77	78	77	76	76	82
9	78	81	76	77	65	55	50	57	69	80	86	88	86	86	84	91	83	90
10	88	86	90	81	68	58	53	57	69	76	86	88	85	84	86	87	88	88
11	97	96	92	85	69	58	56	62	77	88	91	89	87	87	89	92	92	96
12	96	73	77	60	41	21	34	34	16	40	28	48	45	42	60	56	62	98
13	44	35	35	38	19	17	23	27	35	35	48	48	70	55	88	67	68	79
14	72	61	49	38	28	35	42	43	47	59	62	63	74	73	64	87	66	66
15	73	70	66	59	52	49	52	59	68	68	68	70	72	74	75	78	81	82
16	80	80	77	68	53	54	52	52	58	70	74	76	80	76	77	82	86	91
17	81	83	85	81	70	65	66	72	73	70	72	74	75	80	93	93	80	84
18	80	80	80	80	65	60	61	67	67	72	78	77	77	77	78	80	82	84
19	82	83	82	73	70	66	70	77	84	86	89	83	76	88	90	88	89	89
20	72	70	67	63	60	59	61	54	54	59	68	68	73	85	79	80	77	74
21	77	80	82	82	79	74	68	69	73	76	79	82	82	84	84	84	82	82
22	84	84	83	77	70	64	63	67	73	77	81	85	86	86	86	87	87	85
23	87	87	86	82	76	76	78	86	92	92	90	90	90	90	91	93	92	92
24	101	100	99	95	85	70	75	85	94	96	93	92	94	89	88	87	92	83
25	79	79	78	72	60	60	68	72	71	54	50	49	56	66	66	74	80	80
26	88	88	87	83	74	64	64	65	66	66	73	80	86	88	89	86	88	87
27	90	90	87	81	76	70	66	67	75	88	85	84	85	84	82	83	85	86
28	86	84	77	67	59	57	64	71	87	90	90	90	90	87	85	85	90	90
29	92	80	82	76	71	58	69	86	94	114	102	100	87	87	90	90	84	65
30	37	38	44	47	44	41	43	47	49	53	44	47	41	33	64	60	60	64
31	64	70	50	31	24	29	23	21	24	71	54	19	33	36	23	92	146	107
Среднее по всем дням	79	76	74	67	58	50	53	58	64	70	71	72	74	75	76	75	73	76

19	20	21	22	23	Средн. суточн.	
76	74	76	76	77	74	73
68	62	58	58	55	53	48
69	69	69	67	67	68	49
71	71	74	74	76	76	67
77	79	79	78	78	78	71
85	90	90	86	88	88	83
97	82	77	77	81	81	75
83	88	89	82	79	77	73
84	86	87	80	78	83	78
89	90	90	89	89	96	82
97	96	99	97	97	96	87
85	56	73	42	46	49	53
72	72	72	67	75	80	53
71	75	73	68	65	70	60
77	78	78	77	80	80	70
91	95	94	87	84	84	76
85	82	92	88	83	86	80
86	89	89	90	81	78	77
93	91	77	69	69	68	80
75	79	81	80	80	78	71
84	83	83	84	85	85	80
86	85	85	85	86	87	81
94	95	94	94	96	97	89
82	69	75	70	71	75	86
82	85	84	84	84	87	72
93	91	86	86	85	89	81
92	88	86	85	84	84	83
89	90	90	96	94	81	83
33	43	75	41	37	36	75
67	67	65	72	74	65	53
-72	-95	-73	-37	-32	-22	-6
76	74	76	74	74	74	70

Обработал ЕгороваПроверил Просениова

Ведомство АН СССРОбсерватория Иючи (Новосибирск)Широта 54°51' Долгота 83°15'Среднемесячн. Z = 56608^dЭлемент вертикальная составляющаяМесяц октябрь Год 1968Z = 56600^d + ...; $\epsilon_z = \frac{149}{148} \text{ мм.}$; $Z_0 = 56633$ ^d

Время мировое Дн ^ч																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	2	1	2	4	6	5	2	0	4	11	11	9	9	10	12	11	9	8	5	5	4	2	2	2	6
2	6	4	9	11	9	8	10	12	9	15	33	40	37	38	37	24	21	15	7	6	9	11	8	6	16
3	6	2	5	10	4	6	6	14	26	33	34	22	18	17	16	14	14	13	12	12	12	12	12	14	
4	14	18	19	16	12	13	9	8	10	14	16	15	15	13	13	12	11	8	10	9	10	11	9	10	12
5	10	14	18	18	16	9	3	7	10	13	11	11	11	10	11	10	9	10	9	9	8	9	9	9	11
6	12	15	15	13	11	10	5	1	-2	-1	6	6	8	8	8	8	8	8	8	5	4	5	4	6	7
7	7	12	14	14	8	3	-3	-4	-4	0	8	8	9	8	7	8	6	5	1	-6	-2	-3	0	4	4
8	8	11	14	15	14	12	8	6	7	11	14	15	11	12	10	10	10	8	8	6	4	5	6	6	10
9	8	12	14	14	12	10	3	2	4	11	13	11	7	6	9	6	6	5	4	5	5	5	4	2	7
10	3	8	9	9	8	8	9	9	10	13	14	9	8	8	8	7	6	5	5	5	5	5	4	4	7
11	6	10	13	13	5	1	1	2	5	8	9	6	5	5	5	6	5	5	5	5	3	3	4	4	6
12	7	12	8	11	11	14	12	8	12	18	32	34	34	34	28	24	21	3	-12	-16	-16	-7	-8	-8	11
13	2	10	11	12	12	13	9	10	16	28	28	24	22	18	12	10	6	2	3	4	5	5	2	-2	11
14	1	6	10	13	12	9	5	6	10	12	12	15	16	12	14	10	11	9	6	3	6	5	4	7	9
15	8	14	18	20	17	18	15	16	14	15	16	14	12	9	11	10	7	6	6	6	6	6	7	6	12
16	7	12	14	14	10	8	8	9	10	8	9	9	8	8	12	10	10	8	7	8	6	7	5	6	9
17	8	11	12	9	6	6	6	2	2	6	9	9	8	8	7	5	6	6	6	6	3	1	2	2	6
18	2	5	5	4	8	6	3	5	6	8	9	8	8	8	9	8	7	8	6	6	5	3	5	4	6
19	3	4	4	4	6	6	3	3	5	2	4	6	8	5	6	6	5	5	4	3	-4	-1	0	1	4
20	3	6	7	6	8	5	5	5	5	8	9	10	9	8	8	8	9	9	7	6	6	6	6	5	7
21	5	6	8	7	3	0	-2	-3	-2	-1	3	5	6	6	5	6	6	6	5	5	5	5	6	6	4
22	5	6	9	7	3	0	-3	-5	-3	1	7	6	5	5	6	5	6	6	6	6	5	5	4	4	4
23	5	5	5	5	2	-3	-3	-2	-1	2	3	2	3	2	3	3	3	3	2	1	1	1	2	2	2
24	1	2	4	5	2	0	-2	-6	-2	3	4	4	2	3	5	6	6	8	3	3	4	5	5	5	3
25	5	7	7	6	2	2	2	1	5	10	14	15	15	16	14	13	8	7	5	5	4	2	2	2	7
26	4	6	8	6	5	3	7	5	8	8	7	7	5	4	6	6	5	4	4	2	4	3	3	4	5
27	4	5	8	6	2	3	6	5	6	4	2	2	4	5	8	7	7	5	4	2	2	2	3	4	4
28	4	8	11	12	10	9	11	7	5	5	3	5	3	3	5	6	2	2	2	2	2	1	1	1	5
29	-2	0	6	8	2	2	3	3	2	-2	0	2	6	8	10	11	9	18	8	11	-4	2	7	9	5
30	14	15	16	12	10	8	6	6	11	14	18	17	22	24	17	12	12	10	8	8	6	4	2	3	11
31	0	4	10	16	16	16	19	24	28	20	28	73	44	60	50	4	-11	36	48	32	-10	-6	30	33	24
Среднее по всем дням	5	8	10	10	8	7	5	5	7	10	12	14	12	12	12	9	8	8	7	5	3	4	5	5	8

Обработал ЕгороваПроверил Просекова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Элемент СКЛОНЕНИЕ

Среднемесячн.

 $D = 8^{\circ}57.3'$ Месяц ноябрь Год 1968 $D = 9^{\circ}00.0' + \dots$ $\varepsilon_0 = 0.359'/\text{мм}$
 $\varepsilon_0 = 0.360'/\text{мм}; D_0 = 8^{\circ}56.8'$

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	1.8	-3.0	-3.0	-1.4	-1.1	-0.7	-0.6	-1.6	-1.8	-1.4	-0.6	2.6	20.6	24.1	4.3	21.0	9.6	7.8	2.7	7.2	1.6	16.1	12.8	-0.2	4.9
2	3.5	-7.0	-1.6	-3.5	-0.4	-2.6	-3.3	-0.8	1.6	3.3	2.1	4.6	7.4	8.4	9.0	-2.5	4.8	3.4	-0.6	0.2	-0.3	3.1	-4.6	-10.2	0.6
3	-11.4	-14.0	-2.4	0.6	-0.4	-2.3	-1.8	-2.7	-2.8	-1.5	-1.6	-1.9	1.3	8.1	2.0	-1.2	-1.6	3.4	4.2	1.3	-3.1	-2.0	-0.6	-0.3	-1.3
4	-0.7	-0.5	1.1	2.0	0.9	0	-2.9	-2.2	-2.2	-0.8	0	-0.6	8.8	-1.0	-3.6	-1.8	-1.5	-1.5	-1.4	-0.8	-6.0	-3.9	-1.8	-0.8	-0.9
5	-1.0	-0.7	0.4	0.5	0.2	-1.2	-2.1	-3.2	-3.0	-2.2	-2.9	-2.4	-0.3	-1.9	-2.2	-1.9	-2.0	-2.2	-2.4	-2.6	-3.2	-4.3	-2.2	-2.4	-1.9
6	-2.4	-1.8	-0.8	-0.2	-0.8	-2.6	-3.9	-5.0	-5.4	-4.4	-3.2	-2.8	-3.0	-3.0	-2.9	-2.4	-2.6	-2.8	-5.0	-0.8	-0.2	-1.0	-3.2	-7.1	-2.8
7	-3.8	-4.6	-4.2	-3.0	-1.6	-1.8	-3.2	-4.9	-5.1	-4.0	-3.6	-1.6	-2.0	4.5	-1.8	-3.9	-3.3	-2.7	-2.2	-2.1	-2.2	-2.4	-2.1	-2.7	-2.7
8	-2.6	-2.4	-2.3	-1.8	-2.4	-3.2	-4.4	-5.3	-5.1	-3.5	-3.6	-3.6	-2.3	-0.5	2.2	3.2	1.6	0.9	-2.1	-1.9	-0.5	-1.3	-3.2	-6.3	-2.1
9	-6.4	-7.2	-5.0	-5.0	-4.6	-4.2	-3.6	-4.0	-4.9	-5.7	-2.3	-1.8	-3.2	-0.4	-3.4	0.6	-2.5	-2.0	-3.0	-5.8	-2.4	-2.1	-2.5	-3.0	-3.5
10	-2.9	-2.4	-1.8	-0.6	-1.8	-2.6	-3.6	-4.0	-5.2	-3.2	-2.6	-2.6	-2.6	-2.8	-2.8	4.2	1.4	1.4	-0.3	-1.2	-1.9	-2.5	-2.8	-3.9	-2.2
11	-3.8	-5.4	-4.6	-1.6	-2.4	-2.8	-3.9	-3.9	-4.5	-5.4	-3.2	-3.7	0.2	0.2	-1.5	-2.1	-2.7	-2.2	-2.4	-2.8	-2.8	-2.9	-3.0	-3.6	-3.0
12	-5.3	-3.1	-2.4	-0.2	-0.2	-1.8	-3.2	-4.6	-5.2	-4.6	-3.6	-3.6	-3.3	-3.6	-3.6	-3.6	-2.8	-2.8	-2.8	-3.1	-3.1	-3.2	-3.6	-3.9	-3.2
13	-3.9	-3.4	-3.2	-2.0	-2.2	-3.4	-4.4	-5.4	-6.4	-6.0	-5.7	-5.0	-5.0	-5.0	-4.3	-3.4	-3.0	-2.6	-1.9	-1.4	-2.4	-1.7	-2.6	-3.0	-3.6
14	-3.0	-2.4	-1.8	-1.8	-2.6	-4.2	-5.2	-6.2	-6.0	-4.9	-4.5	-4.6	-4.4	-4.6	-4.6	-4.5	-3.5	-3.2	-2.8	-2.8	-2.9	-3.8	-3.7	-3.6	-3.8
15	-3.3	-3.2	-2.5	-1.6	-2.3	-4.0	-4.3	-5.2	-6.2	-4.6	-4.4	-4.2	-4.3	-4.2	-4.2	-3.7	-3.8	-3.2	-3.6	-3.2	-3.0	-3.2	-2.8	-3.2	-3.7
16	-3.2	-3.0	-2.8	-2.4	-3.1	-4.3	-5.4	-5.7	-4.6	-4.6	-5.3	-5.4	-6.0	-8.6	-7.0	-6.0	-3.1	0.2	-1.4	-1.9	-1.6	-3.6	-2.8	-3.0	-3.9
17	-2.8	-2.8	-3.2	-2.6	-3.9	-5.4	-6.8	-6.4	-5.8	-4.4	-4.4	-4.0	-2.4	-5.9	-4.4	-2.0	1.9	4.0	5.5	6.5	8.2	11.8	4.4	3.9	-0.9
18	-1.2	-6.6	-4.1	-4.0	-5.6	-5.4	-4.0	-3.8	-5.3	-3.6	-4.8	-4.8	-3.2	-3.0	-2.6	-2.2	-0.7	-0.2	1.5	4.0	-0.7	-1.8	-3.3	-3.2	-2.9
19	-2.2	-3.2	-3.1	-1.2	-1.6	-2.4	-4.0	-4.6	-4.5	-4.4	-4.4	-3.2	-2.3	-3.5	-3.6	-2.3	-3.2	-2.8	-2.4	-2.3	-2.6	-2.8	-3.2	-3.4	-3.0
20	-3.2	-3.2	-3.0	-1.9	-1.8	-2.5	-3.4	-4.6	-5.7	-8.2	-7.2	-7.9	-7.2	-8.4	-0.5	0.2	-1.6	-1.3	-1.4	0.6	0	-1.0	-1.9	-3.2	-3.3
21	-3.3	-3.6	-3.2	-2.8	-2.8	-3.3	-4.5	-5.0	-4.4	-3.9	-4.3	-3.6	-3.2	-2.8	-3.3	-3.1	-1.3	-0.4	1.8	0.8	-0.3	-0.8	-3.2	-2.4	-2.6
22	-3.5	-3.2	-2.6	-2.1	-2.7	-3.2	-3.6	-5.4	-4.5	-4.3	-3.6	-3.8	-4.0	-3.8	-3.8	-3.9	-3.6	-3.1	-2.8	-2.8	-1.8	-0.7	-3.3	-2.1	-3.3
23	-3.6	-3.6	-4.3	-4.3	-4.4	-3.6	-3.6	-4.4	-4.6	-4.2	-3.8	-3.6	-3.4	-3.8	-3.9	-3.8	-4.0	-3.8	-3.6	-3.4	-3.2	-3.2	-3.4	-3.6	-3.8
24	-4.2	-4.0	-4.5	-3.9	-3.7	-4.2	-5.0	-6.0	-6.0	-5.2	-4.6	-4.6	-4.3	-4.4	-4.4	-4.2	-5.0	-4.4	-2.8	-2.6	-3.0	-3.2	-2.9	-3.6	-4.2
25	-3.6	-4.6	-4.0	-4.2	-5.0	-5.4	-5.9	-5.8	-6.1	-5.4	-4.8	-4.6	-5.0	-2.8	-3.8	-3.2	-3.1	-3.6	-3.0	-3.2	-2.2	-2.1	-2.1	-2.8	-4.0
26	-3.2	-3.2	-4.0	-4.3	-4.5	-5.0	-5.4	-5.6	-5.2	-5.2	-4.6	-4.2	-5.0	-4.8	-3.0	-2.4	-2.9	-3.9	-1.0	-1.3	-1.4	-1.8	-2.4	-3.6	-3.7
27	-3.7	-5.2	-7.8	-5.6	-5.2	-4.7	-4.4	-3.6	-3.8	-3.9	-4.3	-4.3	-4.4	-4.2	-4.2	-1.4	-2.6	-3.2	-2.3	-0.3	-0.3	-1.0	-1.3	-1.8	-3.5
28	-3.0	-3.1	-3.2	-3.6	-4.7	-5.4	-5.7	-4.7	-5.2	-4.6	-3.8	-5.4	-3.8	-4.0	-4.0	-3.4	-3.2	-2.8	1.4	-1.6	-2.8	-3.2	-4.4	-5.0	-3.7
29	-5.0	-4.6	-4.0	-3.8	-4.4	-5.0	-5.0	-5.1	-4.6	-4.5	-3.9	-3.7	-4.3	-4.3	-2.4	-2.0	-3.9	-3.9	-4.0	-3.8	-4.0	-4.1	-4.2	-4.4	-4.1
30	-4.0	-3.8	-3.2	-3.2	-3.6	-4.3	-4.4	-4.6	-4.6	-4.1	-3.9	-3.9	-3.9	-3.7	-3.9	-4.0	-4.0	-3.6	-4.2	-4.2	-4.4	-4.0	-4.1	-4.6	-4.0
31																									
Среднее по всем дням	-3.2	-4.0	-3.0	-2.3	-2.6	-3.4	-4.0	-4.5	-4.6	-4.0	-3.6	-3.3	-1.6	-1.7	-2.4	-1.8	-1.8	-1.4	-1.4	-1.2	-1.7	-1.2	-2.1	-3.2	-2.7

* - по грубой серии Боброва

Обработал БгороваПроверил Федотова

Среднемесячн. $H = 17162^{\circ}$

Ведомство АН СССР

Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент горизонтальная составляющая

Месяц ноябрь Год 1968

$H = 17100^{\circ} + \dots$; $\epsilon_H = 2.37^{\circ}/\text{мм}$; $H_0 = 17069^{\circ}; 17067^{\circ}$

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	-28	-44	-18	-9	-14	-10	1	14	22	36	32	6	88	-30	-24	58	-30	-4	-5	-25	-28	-19	-155	-134	-13	
2	-49	-18	-51	-44	-44	-45	-32	-26	-20	1	-4	-8	36	12	11	21	13	37	36	38	41	39	50	7	0	
3	-5	-26	7	5	2	-4	3	17	28	34	41	41	38	58	26	55	30	33	43	29	33	43	38	41	25	
4	42	42	38	32	24	1	19	18	19	32	34	56	77	30	50	38	48	52	49	55	51	45	48	47	39	
5	47	46	43	41	41	38	38	34	30	36	42	46	52	55	55	53	53	54	56	57	58	61	58	60	48	
6	60	60	54	48	46	46	46	50	55	58	60	60	66	66	63	64	66	68	75	74	68	64	69	72	61	
7	68	49	47	48	36	22	20	31	40	38	34	32	44	80	60	62	62	63	64	66	69	68	66	66	51	
8	66	64	65	60	55	50	50	45	52	45	40	40	41	53	64	40	44	55	60	62	62	61	60	58	54	
9	60	60	66	66	62	64	65	54	45	30	35	57	39	45	66	47	62	60	63	66	64	62	64	68	57	
10	66	68	66	62	53	52	52	52	52	52	52	43	50	52	60	76	58	56	57	61	62	61	63	61	58	
11	58	60	65	54	52	49	50	35	36	43	43	38	46	72	51	62	64	64	66	68	70	70	69	69	56	
12	74	74	70	66	60	57	60	60	63	66	69	66	65	69	71	72	76	76	75	76	76	75	76	77	70	
13	80	81	82	81	76	71	71	71	78	76	72	74	75	76	78	76	78	76	78	77	80	79	74	77	77	
14	74	74	76	77	74	72	75	80	81	82	82	82	82	83	82	80	78	80	82	80	79	80	83	85	79	
15	85	87	88	88	88	81	84	82	87	82	80	80	78	78	78	80	80	80	80	80	80	80	79	79	82	
16	79	78	74	73	72	74	82	86	86	96	96	103	100	85	103	88	89	100	93	88	72	76	70	78	85	
17	74	60	62	64	62	62	63	78	76	74	74	70	76	65	36	64	20	27	60	38	62	66	54	55	60	
18	45	41	41	31	24	32	37	34	30	32	42	45	55	57	61	64	76	80	66	66	64	64	76	64	51	
19	60	56	56	52	49	52	58	62	61	66	64	62	60	64	69	77	72	72	72	73	74	74	74	76	65	
20	78	79	76	74	72	73	74	78	80	93	92	92	89	73	43	28	54	48	48	52	52	52	56	58	67	
21	58	59	64	68	69	67	69	69	70	73	72	72	69	69	69	67	80	64	64	64	65	64	72	66	68	
22	62	62	64	64	64	65	69	71	73	73	77	78	76	73	73	76	78	78	78	80	77	73	78	77	72	
23	74	73	78	78	83	84	84	80	78	76	75	74	74	80	81	81	80	82	82	80	80	80	80	84	79	
24	87	90	87	88	89	89	91	95	97	96	92	91	88	88	88	98	92	90	91	87	87	90	90	90	90	
25	80	80	82	86	86	86	92	97	97	90	85	84	80	77	73	77	77	80	78	95	81	77	77	75	83	
26	75	75	74	76	79	82	85	86	87	85	81	82	83	81	75	69	78	83	81	74	75	78	80	78	79	
27	77	75	76	82	84	86	89	88	82	80	78	80	78	80	80	80	82	81	79	78	79	90	77	77	81	
28	70	71	74	75	79	86	87	88	87	75	60	55	62	75	76	76	76	81	81	72	80	85	81	81	76	
29	81	89	88	89	80	93	94	94	88	82	78	80	78	77	80	86	85	84	86	84	85	84	84	84	85	
30	84	84	85	88	86	89	89	89	87	84	83	83	80	80	80	81	83	87	84	80	82	80	80	80	84	
31																										
Среднее по всем дням	59	58	59	59	56	55	59	60	62	63	62	62	68	64	63	67	63	66	67	66	66	67	62	62	62	62

Обработал Вгорова

Проверил Тросеков

Ведомство АН СССР
Обсерватория Ключи (Новосибирск) Широта 54°51' Долгота 83°15'

Среднемесячн. $\bar{Z} = 56613^{\circ}$

Месяц ноябрь Год 1968

Элемент вертикальная составляющая

$\bar{Z} = 56600^{\circ} + \dots$; $E_z = 1.48^{\circ}/\text{мн}$; $Z_0 = 56633^{\circ}; 56639^{\circ}$

Время мировое Дн ^н																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	24	21	19	20	26	31	34	34	30	28	28	38	30	80	65	30	40	39	2	-28	-21	-72	-151	-103	10
2	-50	-22	-13	6	24	40	46	54	54	57	50	48	36	36	37	24	27	21	22	21	19	16	-6	-21	22
3	-19	-13	3	15	20	26	30	28	28	28	27	24	28	26	30	22	14	18	15	16	14	9	12	15	17
4	17	22	27	30	28	31	30	32	35	34	36	32	30	32	26	26	24	23	22	17	6	11	14	18	25
5	20	20	21	20	16	17	18	15	16	23	27	24	24	20	21	22	20	19	19	18	18	14	18	17	19
6	20	22	24	26	21	20	20	20	18	19	19	20	18	18	18	17	16	16	9	9	9	11	10	6	17
7	6	14	17	16	18	18	22	23	22	24	28	29	28	20	19	18	18	18	16	15	14	14	14	14	19
8	13	14	14	14	13	14	16	15	15	20	20	23	26	23	20	20	21	18	15	15	12	12	8	8	16
9	9	10	14	14	10	12	12	15	16	20	27	22	26	26	18	20	13	12	11	8	10	12	12	12	15
10	14	15	18	19	16	17	20	18	20	20	20	21	22	21	20	14	14	14	14	14	12	12	11	11	16
11	11	14	16	15	12	12	12	12	20	24	24	26	29	20	22	20	18	15	15	15	14	13	13	14	17
12	12	13	17	16	10	11	9	9	10	14	15	13	14	13	14	13	13	10	10	11	10	11	10	10	12
13	9	11	11	12	8	7	5	4	7	11	14	13	11	12	12	12	11	11	10	11	8	6	8	9	10
14	9	9	7	5	0	1	3	5	9	9	9	8	8	8	8	9	11	10	8	8	9	7	6	6	7
15	6	6	6	5	5	9	6	6	7	7	8	7	8	8	8	8	8	8	8	6	6	7	6	6	7
16	8	8	9	12	9	6	5	6	7	5	4	4	5	11	11	12	16	14	12	10	10	5	5	4	8
17	2	9	9	6	6	10	11	10	11	10	12	11	14	16	29	18	22	26	12	5	-3	-14	-11	-7	9
18	-2	2	4	6	8	11	13	16	20	26	23	23	21	18	17	17	16	14	13	11	11	8	-1	0	12
19	4	8	11	12	11	12	12	12	14	14	14	16	17	17	15	14	12	12	10	10	10	9	9	8	12
20	8	8	8	11	11	8	5	2	4	6	7	7	9	18	38	41	30	28	21	13	13	14	13	12	14
21	18	17	17	17	18	18	18	17	19	20	20	20	20	19	20	20	20	18	18	18	17	17	11	11	18
22	13	15	17	16	14	12	10	9	9	14	15	15	16	17	17	17	16	15	14	13	12	12	9	11	14
23	11	11	9	8	3	5	4	4	8	12	14	15	15	14	14	13	14	12	14	14	13	12	13	13	11
24	12	12	13	12	10	8	5	6	8	10	13	12	14	14	14	14	14	14	14	15	14	14	12	10	12
25	11	10	8	10	7	9	7	7	8	9	10	10	13	15	16	16	14	12	11	6	6	7	6	8	10
26	8	8	10	10	6	2	-1	-1	1	3	7	8	8	10	12	14	13	8	8	8	8	7	6	7	7
27	6	6	3	2	3	3	2	2	3	4	8	8	9	8	8	10	8	9	8	6	3	0	1	3	5
28	4	5	8	7	2	1	2	2	6	8	10	11	13	11	11	10	9	8	9	9	8	6	5	5	7
29	5	4	4	2	0	4	5	7	6	7	8	8	8	8	8	6	7	7	7	7	6	6	6	7	6
30	7	8	7	4	4	4	3	1	2	6	7	7	8	7	7	7	6	6	6	6	6	6	5	5	6
31																									
Среднее по всем дням	7	10	11	12	11	13	13	13	14	16	17	17	18	19	19	17	16	15	12	10	9	6	2	4	13

Обработал Федотова

Проверил Тросехова

Ведомство АН СССРОбсерватория Ключи (Новосибирск)Широта 54°51' Долгота 83°15'Среднемесячн. D = 8°56.3Элемент СИЛОНЕНИЕМесяц декабрь Год 1968D = 9°00.0 + ...; $E_D = \frac{0.357}{0.360 \sin \omega}$; D = 8°56.8; 8°55.2; 8°54.8

Время мировое Дни																							Средн. суточн.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	-3.9	-3.8	-2.8	-2.8	-3.6	-3.7	-3.8	-4.2	-4.2	-4.1	-3.7	-3.5	-3.2	-3.1	0.4	1.2	-0.6	-2.4	-2.0	-2.6	-3.6	-3.8	-4.2	-4.7	-3.0
2	-4.9	-4.6	-3.9	-3.2	-3.2	-3.7	-4.2	-5.1	-4.8	-4.2	-3.4	-3.8	-4.0	-2.8	-3.2	-2.1	-2.6	-0.3	-3.1	-1.7	-2.7	-3.6	-4.3	-5.0	-3.5
3	-5.3	-5.0	-4.2	-3.1	-4.1	-5.0	-3.8	-4.8	-4.6	-3.4	-4.4	-4.1	-2.1	0.4	-1.3	-0.2	3.8	1.3	1.0	-1.3	1.7	1.3	-5.2	-1.1	-2.2
4	-4.2	-5.0	-4.2	-3.9	-3.5	-3.1	-2.8	-3.0	-1.8	-3.2	-2.3	-1.5	0.2	-1.6	-1.5	-1.6	4.1	-1.4	-1.2	-7.0	-0.4	-0.9	-1.8	-4.9	-2.4
5	-4.8	-4.6	-4.8	-5.0	-4.9	-2.4	-2.7	-3.4	-1.2	6.2	-2.6	-2.9	4.1	-2.5	-1.8	-1.3	-2.7	-1.3	-1.1	-3.0	0.7	-1.1	-1.0	-1.9	-1.9
6	-3.6	-4.6	-5.3	-4.7	-4.4	-3.8	-3.9	-3.5	-2.7	-1.6	-1.2	-2.7	-2.7	-2.9	-2.7	-3.2	-4.1	-3.8	-3.6	-3.3	-3.6	-3.0	-2.8	-2.8	-3.4
7	-2.9	-3.0	-3.4	-4.5	-4.4	-3.8	-3.7	-4.1	-3.2	-2.7	-2.8	-2.3	-2.1	-3.2	-3.4	-3.5	-3.4	-6.5	-3.3	-3.2	-3.7	-3.9	-2.7	-2.8	-3.4
8	-3.4	-4.2	-4.4	-5.5	-5.3	-4.8	-4.1	-3.5	-2.0	-1.6	-2.1	-2.4	-2.5	1.3	-2.6	-3.2	-3.6	-3.8	-2.7	-1.2	-1.0	-1.1	-4.7	-1.2	-2.9
9	-3.2	-3.0	-3.4	-4.1	-4.2	-4.1	-4.7	-5.2	-4.5	-3.5	-3.2	-3.4	-3.5	-3.3	-3.9	-3.4	-4.0	-4.0	-2.7	-1.2	-0.2	-1.2	-2.9	-4.4	-3.4
10	-4.8	-3.1	-4.0	-3.2	-5.4	-6.0	-5.7	-4.4	-4.4	-4.2	-4.9	-4.8	-3.2	-3.4	-3.3	-3.1	-3.0	-3.3	-3.4	-3.0	-2.0	-3.7	-1.6	-2.9	-3.8
11	-4.1	-4.1	-3.4	-3.3	-4.4	-5.4	-5.9	-6.3	-5.2	-4.5	-4.3	-4.0	-3.7	-3.5	-3.8	-3.8	-1.9	-2.6	1.0	-1.4	-3.4	-3.7	-3.4	-3.3	-3.7
12	-4.1	-4.1	-5.4	-5.4	-5.4	-4.7	-5.1	-4.6	-4.5	-4.3	-3.7	-4.1	-4.1	-3.9	-3.8	-3.6	4.1	-3.7	-3.3	-3.5	-3.2	-2.9	-3.0	-3.1	-4.1
13	-3.8	-3.5	-2.9	-3.2	-3.8	-5.3	-5.8	-5.6	-4.4	-4.1	-4.4	-3.7	-3.9	-3.5	-3.8	-3.5	-2.6	-3.3	-6.5	-2.5	-2.7	-2.4	-2.3	-2.9	-3.8
14	-3.3	-2.7	-2.4	-1.8	-2.0	-2.7	-4.4	-4.8	-4.1	-4.2	-3.9	-3.7	-4.3	-4.0	-3.5	-3.8	-3.7	-3.4	-4.1	-4.0	-3.8	-4.0	-3.8	-4.1	-3.6
15	-4.2	-4.0	-3.8	-3.5	-4.1	-4.6	-5.0	-4.3	-5.0	-5.2	-5.0	-4.6	-4.0	-4.4	-4.6	-4.2	-4.0	-3.8	-3.7	-2.9	-3.0	-1.6	-3.2	-4.0	-4.0
16	-4.4	-4.8	-4.6	-3.5	-4.0	-6.0	-7.5	-6.2	-5.6	-4.8	-4.5	-4.1	-4.4	-2.6	-4.0	-3.8	-4.1	-1.9	-2.6	-2.7	-4.2	-1.0	-1.2	-2.6	-4.0
17	-3.9	-3.6	-3.6	-3.7	-4.0	-4.4	-5.0	-5.8	-5.5	-4.7	-4.3	-3.9	-3.9	-4.0	-4.3	-4.2	-4.0	-3.7	-3.5	-3.4	-3.7	-4.0	-4.4	-4.8	-4.3
18	-4.9	-4.8	-6.0	-4.8	-4.3	-4.8	-5.2	-5.3	-4.9	-4.8	-4.4	-4.4	-4.9	-5.1	-4.1	-4.1	-3.9	-4.4	-2.9	-2.8	0.2	-0.9	-0.9	-2.7	-4.0
19	-2.4	-4.9	-4.0	-3.7	-3.6	-5.1	-5.2	-5.8	-4.6	-4.5	-4.1	-4.4	-1.2	-4.5	-4.5	-4.1	-4.2	-2.9	0.6	3.3	2.9	-2.6	-4.8	-1.9	-3.7
20	-3.2	-4.0	-4.3	-3.7	-3.8	-4.4	-4.8	-5.1	-3.7	-4.2	-4.4	-4.8	-4.5	-4.5	-4.6	-4.4	-4.5	-4.2	-4.4	-4.1	-4.2	-4.3	-5.0	-4.8	-4.3
21	-5.5	-5.9	-5.0	-5.2	-5.1	-4.6	-5.2	-6.3	-5.2	-4.0	-4.4	-3.5	-3.2	-5.7	-5.3	-4.8	-1.3	0.2	-2.3	-1.6	-4.1	-4.9	-5.7	0.8	-4.1
22	-3.9	-3.1	-5.0	-7.1	-5.4	-5.6	-4.7	-5.4	-4.5	-3.6	-3.4	-4.1	-4.0	-3.3	-1.9	-3.4	-3.5	-3.2	-3.4	-3.8	-3.6	-3.4	-3.6	-3.8	-4.0
23	-4.0	-4.1	-4.1	-3.4	-3.9	-4.8	-5.6	-6.3	-5.6	-4.1	-4.4	-4.2	-4.5	-4.1	-5.2	-3.4	-3.7	-7.9	-4.3	-1.6	-4.7	-6.0	0.9	-2.3	-4.2
24	-2.6	-3.1	-3.5	-4.0	-5.7	-6.1	-5.9	-6.5	-3.8	-3.1	-3.6	-3.9	-4.3	-3.6	-2.5	-2.8	-3.0	-4.7	-4.3	-4.0	-4.0	-3.8	-5.0	-10.6	-4.4
25	-3.3	-4.0	-4.6	-5.2	-11.1	-10.9	-9.7	-6.6	-4.5	-3.4	-4.1	-4.1	-4.1	-4.2	-4.5	-3.8	-3.8	-3.4	-3.8	-3.8	-3.2	-3.2	-4.0	-4.2	-4.9
26	-4.1	-4.1	-4.4	-4.9	-5.2	-5.9	-7.0	-7.0	-6.0	-4.8	-4.2	-4.0	-4.0	-4.2	-4.4	-4.2	-4.3	-4.5	-4.5	-4.8	-4.6	-4.5	-4.9	-5.1	-4.8
27	-5.0	-4.7	-4.6	-4.9	-6.0	-6.6	-6.5	-7.1	-4.9	-2.0	-2.0	-2.1	0.3	3.0	-0.6	-2.2	-2.9	-4.1	-4.4	-4.9	-4.8	-5.0	-5.0	-5.0	-3.8
28	-4.9	-4.0	-2.8	-2.3	-2.4	-3.9	-5.2	-5.6	-5.2	-4.4	-4.4	-4.5	-4.0	-2.6	-4.8	-2.7	-4.2	-3.8	-5.1	-4.4	-5.2	-5.6	-7.2	-6.7	-4.4
29	-5.2	-4.0	-3.4	-1.6	-1.7	-2.9	-5.0	-6.0	-5.9	-4.7	-4.6	-4.9	-2.8	-2.7	-2.7	-2.0	-0.4	0.9	-1.3	-2.0	-7.0	-5.6	-7.3	-3.7	-3.6
30	-4.1	-4.4	-3.3	-1.6	-1.0	-2.9	-4.0	-5.1	-5.2	-5.3	-4.2	-4.6	-0.4	-3.4	-3.6	-3.8	-4.0	-2.5	-2.3	-5.9	-5.0	-5.0	-4.6	-6.0	-3.8
31	-7.2	-4.9	-4.9	-4.0	-3.4	-3.7	-3.9	-5.0	-5.6	-5.0	-4.5	-5.0	-5.4	-5.2	-5.0	0.3	-2.7	0.3	2.6	1.5	-0.4	-3.1	-7.2	-4.1	-3.6
Среднее по всем дням	-4.2	-4.1	-4.1	-3.9	-4.3	-4.7	-5.0	-5.2	-4.4	-3.6	-3.8	-3.8	-3.0	-3.1	-3.4	-3.0	-2.8	-3.0	-2.7	-3.0	-3.0	-3.2	-3.8	-3.8	-3.7

Обработал ЕгороваПроверил Просенива

Среднемесячн. $H = 17175^{\circ}$

Ведомство АН СССР
Обсерватория Ключи (Новосибирск) Широта $54^{\circ}51'$ Долгота $83^{\circ}15'$

Элемент горизонтальная составляющая

Месяц декабрь Год 1968

$H = 17100^{\circ} + \dots$; $\epsilon_H = 2.37^{\circ}/\text{мм}$; $H_0 = 17067^{\circ}, 17059^{\circ}$

Время мировое																							Средн. суточн.		
Дн ^м	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	82	79	80	80	78	80	82	84	82	71	64	58	57	56	51	56	54	84	72	74	78	80	80	80	73
2	82	84	86	88	86	86	88	87	80	74	65	68	66	62	62	66	68	82	84	80	82	82	81	82	78
3	85	89	95	86	70	80	89	88	78	59	59	57	43	44	58	50	48	44	58	66	58	57	58	78	67
4	60	60	72	76	78	82	78	59	51	52	43	42	62	44	48	76	56	56	60	69	68	68	65	59	62
5	68	66	67	68	65	72	86	88	55	26	42	53	38	54	56	59	56	58	55	68	61	62	59	55	60
6	55	50	61	60	61	72	76	76	68	66	66	67	66	68	68	70	71	71	71	71	71	71	72	70	67
7	66	66	66	66	68	68	73	78	80	80	78	76	71	74	72	70	69	68	66	68	72	75	74	74	72
8	74	74	71	76	74	74	72	73	68	68	64	58	56	59	68	69	72	72	76	70	68	67	70	68	69
9	68	65	67	68	74	74	71	76	81	78	78	78	75	74	71	70	78	72	71	64	64	64	70	72	72
10	84	80	82	80	74	78	80	75	66	65	64	59	60	74	74	74	74	74	75	76	74	80	75	71	74
11	74	70	71	70	70	72	78	84	84	83	80	80	82	82	81	84	80	68	89	79	77	82	83	80	78
12	74	69	71	79	82	81	76	76	78	78	79	77	76	77	74	70	76	74	76	88	78	76	76	75	76
13	74	74	74	70	67	70	76	80	84	86	83	84	80	80	80	74	66	74	76	76	68	70	72	72	75
14	74	74	71	69	67	66	71	76	80	80	75	78	80	76	73	76	78	78	80	80	80	79	80	82	76
15	84	81	78	76	74	74	76	80	88	85	84	84	86	94	94	82	83	84	84	85	99	80	82	86	83
16	90	92	86	80	73	68	72	80	84	80	78	80	76	92	74	80	78	78	78	79	91	78	76	76	80
17	76	82	78	76	76	76	76	82	88	85	83	82	80	84	85	85	84	83	84	82	82	84	86	86	82
18	88	86	85	88	82	80	80	86	90	90	85	85	88	90	78	82	83	86	81	94	82	69	73	78	84
19	80	82	85	84	82	76	74	78	85	82	78	78	72	80	82	80	82	97	71	72	79	80	86	83	80
20	80	83	84	83	80	78	80	84	88	82	80	80	84	84	85	86	86	84	85	84	84	86	88	88	84
21	84	84	84	82	79	79	82	91	94	90	84	77	74	80	82	85	82	76	69	74	84	74	88	72	81
22	74	82	80	80	78	75	74	78	80	80	75	73	72	74	82	83	72	92	77	78	78	78	78	78	78
23	78	78	79	80	76	70	74	86	89	84	74	74	76	68	76	60	76	92	82	76	67	74	80	68	77
24	72	73	70	68	65	66	73	78	81	80	78	76	73	74	80	88	88	74	76	79	80	78	76	86	76
25	88	82	86	50	36	54	106	92	96	82	100	95	87	87	84	72	74	72	80	80	80	76	72	79	80
26	79	78	76	72	71	70	76	84	90	93	92	88	88	88	88	85	84	84	84	88	86	86	88	92	84
27	89	84	82	78	78	76	75	81	82	58	45	41	40	48	64	70	68	72	74	74	76	76	74	76	70
28	78	80	76	64	60	60	64	71	80	83	80	78	74	87	84	86	81	74	85	78	78	78	80	86	77
29	88	88	88	83	74	70	68	72	78	79	80	78	68	64	71	74	76	73	70	69	73	70	78	80	76
30	83	86	80	72	65	60	59	66	74	69	71	65	67	64	71	78	78	74	74	76	80	76	78	78	73
31	88	80	79	76	74	68	66	72	76	82	80	80	80	81	78	74	70	66	68	64	63	64	74	76	74
Среднее по всем дням	78	77	78	75	72	73	76	79	80	76	74	73	71	73	74	75	74	75	75	76	76	75	77	77	75

Обработал Бгорова

Проверил Тросекова

Ведомство АН СССР
Обсерватория Илючи (Новосибирск) Широта 54°51' Долгота 83°15'

Среднемесячн. $\bar{Z} = 56610^{\delta}$

Элемент вертикальная составляющая

Месяц декабрь Год 1968

$\bar{Z} = 56600^{\delta} + \dots$; $\epsilon_z = 1.52^{\delta}/\text{мм}$; $Z_0 = 56639^{\delta}, 56554^{\delta}, 56551^{\delta}, 56547^{\delta}, 56561^{\delta}$

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	4	6	7	7	3	3	3	2	5	9	12	11	14	16	19	15	16	4	5	6	6	5	6	8	
2	6	7	6	3	2	0	-2	-4	-1	3	8	8	10	12	12	12	10	5	4	5	4	3	3	4	5
3	5	6	7	8	10	10	6	0	2	10	12	14	20	28	18	16	19	18	15	4	4	4	-4	-1	10
4	2	8	8	6	5	6	3	3	7	14	18	20	21	22	22	15	13	12	12	2	4	6	5	7	10
5	8	9	8	10	14	15	10	6	12	24	21	18	28	22	20	16	17	16	12	2	1	-2	-3	-1	12
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31	14	15	19	20	20	20	14	14	14	18	16	16	17	17	19	22	20	21	20	18	18	16	9	12	17
Среднее по всем дням	6	7	9	10	11	11	9	9	10	11	11	12	14	14	13	12	12	10	10	8	7	7	6	6	10