

Ведомство СибУЗЛМР

Широта Долгота

Элемент Склонение

Обсерватория Иркутск

Месяц декабрь Год 1978

$D = -2^{\circ}00'00'' +$   $E_D = 0.55/24 D = -2^{\circ}29.2'$

Время мн-ровое Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.		
1	21.6	20.8	19.6	18.8	20.2	21.6	23.1	23.4	23.4	22.8	22.4	20.4	22.3	22.0	21.2	20.4	19.8	19.8	20.6	21.4	21.8	22.2	22.4	22.7	21.4
2	Q 21.9	20.5	19.2	19.6	21.0	21.8	22.6	22.6	22.4	21.7	21.6	21.8	21.6	21.6	21.6	21.4	21.4	21.4	21.4	21.5	21.6	21.2	21.4	21.4	21.4
3	21.0	20.7	20.0	20.6	21.0	22.3	23.2	23.2	23.6	22.0	21.8	21.8	21.7	21.6	21.6	21.8	21.6	19.8	20.7	21.2	21.6	21.8	20.6	20.3	21.5
4	20.6	19.8	18.8	18.4	20.6	22.2	24.2	24.0	22.8	21.8	23.2	23.0	23.3	22.0	21.2	20.4	17.5	18.0	19.4	20.2	22.0	20.4	20.4	20.4	21.0
5	21.2	21.2	20.6	20.6	22.4	22.9	22.6	22.6	22.6	22.1	22.0	22.0	21.8	21.6	21.4	21.4	21.1	20.8	21.1	20.4	19.6	20.0	21.4	20.4	21.4
6	21.0	20.3	19.6	20.1	21.7	23.4	24.0	23.9	22.4	22.1	22.3	21.8	21.9	21.9	21.5	21.2	20.8	20.1	19.6	19.2	19.4	19.6	20.6	20.7	21.2
7	Q 20.9	20.2	19.7	19.9	21.2	22.3	23.1	23.4	22.9	22.4	22.2	21.8	21.6	21.6	21.4	21.0	21.0	21.6	20.8	20.7	20.9	21.1	21.3	21.3	21.4
8	21.0	20.1	19.0	19.4	21.0	22.3	23.2	23.4	22.9	22.3	22.3	21.2	22.0	21.5	21.3	21.2	20.8	20.8	20.6	20.6	20.7	20.4	20.6	21.0	21.2
9	Q 21.0	20.2	19.6	20.4	21.8	23.2	24.0	24.0	23.3	22.3	22.3	22.0	21.8	21.8	21.0	20.6	21.0	21.1	21.0	20.9	20.9	20.9	21.2	21.2	21.6
10	Q 21.1	19.8	19.2	19.6	21.0	22.4	23.6	23.7	22.6	21.9	21.8	21.7	21.7	21.4	21.2	21.0	21.0	20.9	21.0	21.2	21.1	21.5	21.8	21.8	21.4
11	Q 21.6	20.6	20.1	19.9	21.2	21.2	21.8	22.4	22.6	21.8	21.5	21.6	21.6	21.5	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.4	21.5	21.5	21.3
12	21.4	21.0	20.0	20.0	20.8	21.2	22.0	22.4	22.0	21.2	21.2	22.2	22.3	21.8	21.2	21.4	21.5	21.2	21.4	21.0	19.8	21.2	21.8	22.0	21.3
13	22.0	22.1	23.9	22.9	22.6	22.3	23.0	22.9	22.8	22.6	22.4	22.4	22.0	21.8	21.5	21.2	21.0	20.8	20.5	20.6	20.6	20.6	21.0	21.1	21.9
14	D 20.7	20.4	21.1	21.2	21.8	21.8	21.4	22.1	22.6	24.2	22.6	23.2	22.2	21.5	21.0	20.2	18.8	20.1	19.6	19.2	19.4	19.3	20.8	21.8	21.1
15	D 21.6	21.6	22.0	23.6	25.3	25.9	23.8	23.2	23.6	23.2	23.2	21.5	17.8	21.7	20.8	18.8	20.6	19.2	19.3	18.8	18.8	20.3	21.5	21.8	21.6
16	22.3	21.6	22.2	22.1	21.4	21.1	22.0	22.0	22.2	21.7	19.4	21.9	22.1	21.8	21.6	21.2	20.8	18.8	14.5	14.9	18.9	20.5	21.2	22.2	20.8
17	22.1	21.2	20.5	21.0	20.8	21.2	21.6	21.2	22.0	22.0	22.0	21.8	21.8	21.8	21.5	21.6	21.6	21.4	21.4	21.4	21.1	21.6	21.6	22.0	21.5
18	D 23.0	21.8	20.6	20.2	20.1	20.4	21.1	21.3	21.2	22.1	21.2	17.9	11.2	14.4	13.0	15.4	16.0	21.6	16.4	15.8	24.0	21.3	21.1	24.8	19.4
19	24.0	23.2	23.6	23.6	22.7	22.1	21.8	22.1	22.6	21.9	21.0	20.8	19.8	19.0	15.5	18.4	20.1	18.3	18.3	20.2	20.8	22.7	21.8	21.8	21.1
20	D 23.6	25.0	25.0	22.0	22.0	21.8	22.7	22.6	21.8	17.5	20.3	18.5	12.5	18.6	16.8	18.4	21.0	20.8	21.6	22.0	26.6	24.8	21.4	21.0	21.2
21	21.6	22.4	21.8	22.2	22.0	22.4	22.6	21.8	21.6	21.2	20.6	18.9	20.5	21.2	21.2	21.1	21.1	21.8	20.8	21.1	21.8	21.6	21.2	21.8	21.4
22	21.8	21.0	20.1	23.2	25.0	24.3	22.6	21.5	20.7	21.0	20.8	17.4	19.6	18.8	20.2	15.0	18.9	21.8	22.0	20.6	21.9	23.7	22.4	22.4	21.1
23	21.8	21.0	20.1	20.0	20.4	21.9	23.0	23.4	23.4	22.4	22.0	21.6	21.5	21.0	19.9	19.3	19.9	20.6	20.2	21.1	21.6	21.6	21.5	21.5	21.3
24	21.0	20.0	18.8	19.0	19.9	21.8	23.4	23.7	23.0	22.3	21.9	20.7	21.4	21.2	21.2	21.2	20.7	21.2	21.6	21.8	22.2	22.0	22.3	23.2	21.5
25	22.0	20.8	20.6	19.9	19.9	21.6	23.3	23.6	23.3	21.8	23.5	23.8	22.3	22.0	10.8	17.6	20.2	22.4	22.6	23.2	23.6	23.4	22.8	22.6	21.6
26	21.8	20.8	20.3	20.5	20.6	21.6	23.0	23.7	24.6	24.5	23.0	22.2	21.4	21.5	19.9	20.4	21.0	20.4	20.2	21.8	22.6	22.4	21.6	21.8	21.7
27	25.5	26.2	21.4	20.7	20.4	22.0	23.4	23.7	23.7	23.2	22.0	21.8	21.5	19.4	20.8	20.3	20.3	20.4	18.6	20.0	20.8	21.8	21.8	22.0	21.7
28	21.8	21.8	20.5	21.2	22.1	23.0	24.0	24.2	23.0	22.0	21.7	21.7	21.3	21.4	21.4	21.9	19.6	14.6	16.8	18.9	21.2	21.2	21.2	21.4	21.2
29	21.2	20.8	21.8	23.4	24.1	23.1	23.6	23.6	24.1	22.6	23.2	24.2	24.2	22.4	21.8	21.5	19.5	23.5	16.4	17.6	19.6	17.4	19.0	23.7	21.8
30	D 21.2	21.0	20.8	26.7	25.2	23.8	23.2	24.7	23.5	23.4	22.8	22.3	22.0	18.4	20.2	20.0	22.1	21.8	21.0	21.0	20.8	19.1	21.0	23.7	22.3
31	24.1	23.8	19.6	19.7	21.3	22.6	21.9	23.4	23.7	22.9	22.5	22.0	21.8	20.8	18.0	20.1	21.0	21.2	22.6	23.2	22.3	22.4	23.1	23.3	22.0
Среднее по всем дням	21.9	21.3	20.6	21.0	21.7	22.3	22.9	23.0	22.8	22.2	22.0	21.5	21.0	20.9	20.1	20.2	20.4	20.5	20.1	20.6	21.3	21.3	21.4	21.9	21.4
среднее по оп. дням	21.3	20.3	19.6	19.9	21.2	22.2	23.0	23.2	22.8	22.0	21.9	21.8	21.7	21.6	21.3	21.1	21.1	21.0	21.1	21.1	21.1	21.3	21.4	21.4	21.4
среднее по возм. дням	22.0	22.0	21.9	22.7	22.9	22.7	22.4	22.8	22.5	22.1	22.0	20.7	17.1	18.9	18.4	18.6	19.7	20.7	19.6	20.3	21.9	21.0	21.2	22.6	21.1

Обработал Михалюкова

Проверил Талалаевская







Ведомство СибНИЗМИР

Широта Долгота

Элемент Вертикальная скорость

Обсерватория Иркутск

Месяц декабрь Год 1978

Z = 56840

EZ =  $2.5\% \text{ от } Z = 568498$

Время мн-ровое Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.
1	85	88	87	84	84	81	81	84	85	88	88	90	93	92	94	91	91	88	88	88	87	88	88
2 Q	87	89	87	84	79	76	79	81	84	86	85	84	85	84	84	85	85	84	84	84	84	84	84
3	84	85	85	82	81	79	83	84	85	84	84	85	84	84	84	84	85	84	84	85	84	82	84
4	84	85	84	80	82	79	79	82	82	81	82	83	86	88	89	89	89	89	87	86	85	83	83
5	84	84	84	83	82	83	83	83	82	84	84	84	85	84	84	84	84	84	84	85	84	81	80
6	81	82	83	82	81	84	85	87	85	84	83	84	83	84	84	84	85	85	84	83	82	82	83
7 Q	84	84	85	84	83	80	79	82	84	84	84	84	84	84	84	84	84	84	84	84	82	82	83
8	84	84	83	81	77	77	77	79	83	84	83	84	84	83	84	84	84	84	84	84	82	83	82
9 Q	84	84	86	84	82	81	81	83	83	84	83	84	83	84	84	83	83	83	82	83	81	82	82
10 Q	83	84	84	84	82	80	81	83	82	82	82	82	82	83	82	82	81	82	82	82	82	82	81
11 Q	82	84	78	75	74	75	77	80	83	82	81	82	81	83	82	81	81	79	79	79	79	79	79
12	81	81	80	79	77	74	74	73	77	77	76	77	78	79	82	82	82	81	81	80	78	78	80
13	80	81	81	80	78	73	74	76	79	82	82	83	82	82	84	82	83	81	82	82	82	80	79
14 D	78	79	71	72	71	66	71	85	82	87	92	89	92	93	93	91	89	89	90	90	89	86	86
15 D	84	82	78	82	86	86	84	86	90	94	94	96	96	98	96	93	89	89	89	87	87	86	86
16	85	85	83	84	87	84	86	86	86	87	91	91	90	89	89	89	89	87	82	78	86	88	
17	90	86	83	82	81	79	81	84	86	86	87	88	88	88	88	86	87	87	86	87	85	85	
18 D	82	83	83	88	88	83	81	84	93	91	96	98	103	104	97	96	83	74	78	80	79	82	
19	86	85	86	91	92	88	89	91	91	94	94	96	97	93	88	93	92	85	84	84	83	84	
20 D	87	89	84	86	86	85	88	90	91	82	93	94	95	92	92	91	82	86	89	89	85	78	
21	85	87	87	86	87	88	89	91	90	90	90	93	93	91	90	89	87	86	86	86	86	85	
22	85	86	84	83	85	87	85	84	86	88	89	90	92	95	95	91	90	85	83	83	83	86	
23	85	85	85	84	87	86	87	89	89	88	87	87	87	86	87	85	85	83	82	84	84	84	
24	86	89	85	83	80	80	82	87	86	85	85	84	84	84	84	84	84	84	84	84	84	83	
25	85	89	88	82	75	71	77	81	84	84	85	87	92	97	90	93	97	93	90	90	90	89	
26	91	93	91	88	84	84	88	92	94	94	94	94	93	92	91	91	91	88	87	89	88	88	
27	91	92	89	89	89	89	91	93	96	96	93	93	93	94	96	95	92	91	83	86	88	89	
28	94	93	92	91	90	89	88	89	91	91	90	89	89	89	90	94	87	84	82	82	89	90	
29	94	92	85	83	84	87	87	89	92	91	92	92	95	98	94	94	95	71	86	84	83	85	
30 D	88	86	86	87	86	87	87	87	91	91	91	92	92	94	90	92	91	88	88	80	74	77	
31	79	80	82	88	89	88	88	89	90	90	89	91	91	91	91	90	89	89	87	83	84	85	
Среднее по всем дням	85	86	84	84	83	82	83	85	87	87	87	88	89	89	88	88	87	85	84	84	84	84	84
Фазис по ст. фаз	84	85	84	82	80	78	79	82	84	83	83	83	84	83	83	83	83	82	82	82	82	82	82
Фазис по без. фаз	84	84	80	83	83	81	82	86	89	89	93	94	96	96	94	93	87	85	87	85	83	82	83

Обработал Михаленкова

Проверил Каримова



Ведомство СибУЗММР

Широта

Долгота

Элемент

Температура

Обсерватория Иркутск

Месяц декабрь Год 1948

$T = 60120^{\circ} +$

$E_{T} = 30\% T = 60137^{\circ}$

Время мин. ровое Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.					
1	80	82	78	75	73	72	73	74	72	74	74	75	78	79	81	80	80	78	77	78	78	80	81	77				
2 Q	81	82	78	75	69	64	69	72	76	78	78	78	78	77	78	78	78	78	78	78	78	76	77	76				
3	78	78	76	72	70	68	73	76	78	78	76	78	78	78	78	78	78	78	78	78	79	78	76	76				
4	78	81	79	75	73	70	73	78	78	78	77	72	76	81	81	80	78	78	78	77	76	75	74	73	77			
5	76	75	73	74	73	74	77	78	77	78	76	77	78	76	78	78	78	78	78	78	78	76	76	76	76			
6	73	75	74	73	73	75	78	80	80	78	78	78	78	80	78	78	78	78	78	78	78	76	75	74	77			
7 Q	77	78	78	75	73	70	70	73	76	76	76	78	78	78	78	78	78	78	78	78	78	76	76	76	76			
8	78	78	78	73	69	68	69	72	76	76	75	76	77	77	78	78	78	78	78	78	78	76	75	74	75			
9 Q	75	76	75	75	70	70	72	76	76	76	76	76	77	78	78	76	76	76	76	76	76	75	76	75	75			
10 Q	77	78	78	75	73	72	73	76	76	76	75	76	76	76	76	75	75	75	75	75	75	75	75	75	75			
11 Q	76	78	75	72	70	69	73	75	78	78	76	76	76	76	76	77	76	75	75	75	75	75	75	75	75			
12	78	78	78	75	73	70	70	70	74	75	74	77	74	70	74	75	76	76	76	76	76	74	75	76	77	75		
13	76	76	74	74	71	64	67	68	70	73	73	75	75	75	75	75	76	76	76	76	76	74	74	74	74	73		
14 D	73	75	75	78	75	80	58	70	70	65	74	70	74	76	78	78	78	77	77	77	77	76	75	74	73	73		
15 D	75	77	64	63	64	71	66	66	66	71	74	75	75	78	80	78	77	77	77	77	77	76	75	74	72	72		
16	74	75	71	75	75	72	74	72	72	71	75	78	78	80	78	78	78	78	78	78	78	76	75	74	72	72		
17	77	76	69	68	70	69	70	71	74	75	76	76	77	78	78	78	78	78	78	78	78	76	75	74	72	72		
18 D	78	76	77	79	81	74	70	67	72	72	74	73	74	66	68	68	65	59	59	59	59	59	59	59	59	59		
19	72	72	69	72	74	72	72	74	74	74	76	78	82	84	70	72	79	71	71	71	71	73	73	73	73	73		
20 D	74	76	70	70	70	66	76	75	78	78	78	78	84	78	78	77	69	71	71	71	71	73	73	73	73	73		
21	75	75	71	70	71	74	75	77	78	78	78	78	80	79	79	78	80	80	80	80	80	78	78	78	78	78		
22	80	80	76	74	75	80	80	75	75	75	77	76	76	78	81	78	76	76	76	76	76	74	74	74	74	74		
23	79	80	79	74	72	72	74	78	80	80	78	78	78	78	79	76	76	78	78	78	78	76	76	76	76	76		
24	80	82	78	74	70	70	74	78	82	80	78	78	78	78	78	76	76	78	78	78	78	76	76	76	76	76		
25	80	82	80	76	70	64	70	76	76	74	74	74	82	76	78	66	76	76	76	76	76	74	74	74	74	74		
26	80	80	78	75	69	66	70	74	77	78	80	82	80	78	79	78	78	78	78	78	78	76	76	76	76	76		
27	80	80	74	72	67	70	73	77	79	80	80	80	80	80	82	82	82	82	82	82	82	80	80	80	80	80		
28	84	86	84	82	80	81	79	80	82	84	84	82	83	82	82	84	76	67	67	67	67	67	67	67	67	67		
29	80	79	72	69	70	75	78	79	84	82	82	82	84	86	84	84	93	60	60	60	60	60	60	60	60	60		
30 D	78	78	72	70	70	71	77	76	79	80	79	81	81	88	82	80	84	82	82	82	82	80	84	82	82	82		
31	68	68	68	72	73	74	76	78	80	80	80	80	80	80	82	80	79	79	79	79	79	79	79	79	79	79		
Среднее по всем дням	77	78	75	73	72	71	73	75	76	76	77	77	78	78	78	77	78	76	76	76	76	75	75	76	76	76		
среднее по ст. декад	77	78	77	74	71	69	71	74	76	77	76	77	77	77	77	77	77	76	76	76	76	76	76	76	76	76		
среднее по вс. декад	76	76	72	72	72	68	69	71	73	73	76	75	78	77	77	76	75	75	75	75	75	73	73	69	71	70	71	73

Обработал Михаленкова

Проверил Харитенкова