

Ведомство АХУССР  
 Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. 2 = 2°00.5

Элемент Склонение

Месяц Январь Год 1963

2 = 10 + 0

Дни	Время миро ое																	Средн. суточн.					10670 III		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1.	61.4	61.2	60.4	60.7	60.3	61.1	61.2	61.0	60.9	59.4	58.1	58.6	59.1	60.0	60.1	59.9	60.1	61.0	61.8	62.3	61.8	61.4	61.2	60.9	60.6
2	60.3	60.3	60.3	60.1	60.3	60.3	60.4	61.0	60.3	59.1	58.1	58.3	59.1	60.1	60.1	60.1	60.0	60.3	60.1	60.3	60.4	60.3	60.3	60.1	60.0
3	60.1	59.6	59.4	59.2	59.1	60.0	59.9	60.1	60.0	58.8	57.3	58.0	59.2	59.4	60.0	60.0	60.1	60.1	60.1	60.1	60.4	60.4	60.6	60.7	59.7
4	60.3	60.0	59.4	59.2	59.2	60.0	60.3	61.1	60.6	59.3	58.2	58.1	58.1	59.1	60.1	61.2	59.6	61.8	62.3	63.2	62.3	61.2	61.2	60.3	60.3
5	60.1	59.9	59.9	60.0	60.1	60.3	61.5	62.3	62.3	60.1	58.1	58.0	58.6	59.1	59.6	60.1	60.7	61.2	60.8	60.8	60.7	60.7	60.1	60.1	60.2
6	60.1	60.1	60.1	60.1	60.4	61.2	61.8	62.1	61.2	60.0	58.2	58.2	58.4	59.1	60.0	60.0	60.1	60.1	60.1	60.1	60.3	60.3	60.1	59.7	60.1
7	59.6	58.9	59.1	59.1	59.2	59.7	60.4	61.2	61.1	60.3	59.1	58.6	58.6	58.6	59.2	59.1	59.8	63.3	61.3	61.4	61.2	61.1	61.1	60.8	60.1
8	60.3	60.1	60.0	60.0	60.1	60.7	62.3	62.4	61.5	60.8	59.2	58.8	59.1	59.1	59.6	60.0	60.0	60.1	60.3	61.0	61.8	61.2	61.2	60.9	60.4
9	60.1	60.1	60.0	59.9	59.8	60.1	61.0	61.2	61.1	60.4	59.9	58.6	58.1	59.1	59.3	59.4	60.1	60.1	60.8	60.8	60.7	60.7	60.4	60.4	60.1
10	60.1	60.0	60.1	60.1	60.1	60.1	61.0	62.3	61.8	60.7	59.1	58.5	58.2	58.8	59.1	59.2	60.0	60.1	60.3	60.7	60.7	60.3	60.3	60.3	60.1
11	60.1	60.1	59.8	59.8	59.6	60.1	61.1	61.5	61.1	60.1	59.1	58.2	58.1	59.4	58.2	59.0	59.0	59.6	63.5	65.0	62.5	61.8	61.5	61.2	60.4
12	60.1	60.1	60.1	60.1	60.0	60.1	60.7	60.7	59.4	59.2	58.9	58.2	58.5	59.3	60.0	60.0	59.9	59.5	60.1	60.5	61.2	62.5	62.2	61.1	60.1
13	60.3	62.3	59.1	57.0	54.9	57.0	59.2	58.8	59.1	58.7	59.4	61.2	58.2	59.9	62.3	63.3	60.8	64.8	64.3	62.4	62.3	61.8	62.2	59.1	60.4
14	61.2	59.7	59.6	59.1	59.1	59.1	60.1	61.4	60.8	61.2	60.0	62.3	59.1	59.6	62.3	63.1	67.5	64.8	64.3	67.5	64.6	63.3	60.4	60.6	61.7
15	58.1	59.2	60.1	59.6	57.0	57.0	59.2	60.1	60.0	60.1	58.2	59.3	60.1	61.2	63.3	61.2	61.1	61.4	62.3	63.0	62.4	62.5	62.3	60.4	60.4
16	59.1	55.9	60.1	61.1	60.9	61.1	61.2	61.6	60.7	59.0	59.0	59.1	61.1	60.4	64.8	67.2	62.4	61.2	60.9	62.5	66.4	64.8	62.4	60.1	61.4
17	60.9	60.3	60.3	60.1	60.1	61.2	60.5	61.1	62.3	61.1	59.5	60.0	60.0	61.2	62.1	60.7	61.2	67.6	62.2	61.4	61.2	61.7	60.3	60.3	61.1
18	60.3	59.1	59.1	60.0	59.2	60.0	61.7	62.3	62.4	61.2	60.0	59.1	59.2	60.3	61.8	60.1	61.2	62.3	61.4	60.7	61.2	62.3	63.2	60.1	60.8
19	59.2	60.0	61.1	60.3	60.3	60.7	62.2	62.5	62.2	62.3	59.7	58.2	58.3	60.3	64.2	62.3	61.2	64.3	63.3	62.8	63.3	64.3	62.4	62.8	61.6
20	61.2	60.1	60.1	60.1	60.4	61.1	61.2	60.3	60.0	59.0	58.5	58.2	58.6	60.1	61.5	61.2	60.3	60.3	60.2	61.1	61.6	61.7	61.2	61.1	60.4
21	60.4	60.5	60.5	60.3	60.8	61.3	62.2	62.1	61.9	60.8	59.1	58.5	59.1	59.3	60.1	60.3	60.6	60.6	60.6	61.2	61.2	60.7	60.1	60.1	60.5
22	60.0	59.4	59.9	60.1	60.1	60.1	61.4	62.1	61.2	60.7	59.1	58.3	59.0	59.6	60.1	60.3	60.3	60.3	61.1	61.1	61.2	60.8	60.6	60.6	60.3
23	59.3	60.1	60.0	60.1	59.7	60.3	61.2	61.4	61.2	59.8	58.1	58.2	59.3	60.0	60.1	60.3	60.3	60.1	61.0	61.5	61.5	61.2	60.1	60.1	60.2
24	60.0	59.3	59.3	59.3	59.9	60.1	61.2	61.4	61.4	59.6	58.1	59.1	59.6	60.0	59.6	60.0	60.0	60.3	61.7	62.3	64.3	66.4	63.2	61.2	60.7
25	61.0	60.3	60.4	60.1	60.1	61.2	61.8	61.2	60.4	59.1	58.2	58.5	59.4	60.3	60.7	60.3	61.2	61.4	62.4	62.3	62.1	61.1	60.4	60.4	60.6
26	60.1	60.1	60.1	60.1	60.1	60.7	61.2	60.8	59.9	58.8	58.1	59.0	60.1	60.1	60.1	60.1	60.1	60.1	60.3	61.1	60.3	60.3	60.3	60.3	60.1
27	60.0	60.0	60.0	60.0	60.1	60.7	61.2	61.2	60.5	59.3	59.1	59.6	60.8	61.0	60.1	60.1	60.0	60.1	60.6	60.4	60.3	60.3	60.1	60.1	60.2
28	60.0	60.0	60.0	59.8	60.1	60.8	61.2	61.2	60.3	59.3	58.7	59.3	60.7	61.1	60.1	60.1	60.1	60.1	60.1	60.5	60.5	60.1	60.1	60.1	60.2
29	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.1	58.5	57.0	55.9	56.9	59.1	60.1	59.3	59.1	59.1	59.3	60.0	62.2	64.3	64.3	65.9	61.1	60.1
30	61.2	61.2	60.9	60.9	59.4	58.9	59.1	58.1	57.6	58.8	57.2	57.6	58.1	61.5	58.1	56.9	59.1	61.7	62.3	61.2	65.9	68.5	66.5	67.6	60.8
31	71.7	71.6	68.8	62.7	58.0	54.9	55.8	57.0	58.1	57.9	58.1	59.1	61.7	63.9	65.8	65.6	67.8	66.6	69.0	67.4	63.3	62.3	62.4	62.4	63.0
Средн. по всем дням	60.5	60.3	60.3	60.0	59.6	60.0	60.8	61.0	60.6	59.7	58.6	58.8	59.2	60.0	60.7	60.7	60.8	61.4	61.6	61.9	62.0	61.9	61.4	60.8	60.5

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ и причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Таршин

Проверил В.Манд

Ведомство АЧУССР

Среднемесячн. H = 21315

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Январь Год 1963

H = 21000 + \_\_\_\_\_ = \_\_\_\_\_

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	суточн.		
1	310	309	311	312	316	318	321	314	309	314	319	325	327	322	313	305	296	303	308	309	310	310	311	314	313
2	315	316	316	318	319	321	322	319	315	316	323	326	330	331	329	327	323	321	325	324	326	326	326	324	322
3	323	324	327	329	332	331	331	321	316	319	321	325	329	328	327	327	325	326	324	325	326	325	324	321	325
4	324	329	328	329	332	335	336	329	324	327	334	338	341	335	322	303	284	287	288	298	309	312	315	316	320
5	319	321	322	324	327	328	327	319	307	306	314	316	315	314	316	318	315	316	317	319	321	321	327	324	319
6	325	325	326	327	328	328	324	318	312	311	315	320	326	331	332	331	329	328	328	328	328	328	327	327	325
7	324	324	333	327	330	333	342	343	338	330	325	322	325	327	325	316	301	301	303	311	314	315	315	314	322
8	314	315	317	318	321	324	326	318	315	313	319	325	324	322	320	321	323	322	321	320	329	331	326	321	321
9	321	321	322	324	327	334	339	335	327	325	327	326	324	325	325	322	323	325	326	328	328	326	324	323	326
10	326	326	324	326	326	332	334	331	326	321	321	324	324	319	315	318	321	322	324	324	324	324	324	324	324
11	325	324	325	327	327	329	338	344	340	338	341	345	344	344	333	331	325	318	298	288	309	317	312	317	327
12	317	318	320	317	319	327	331	328	324	317	322	323	321	325	322	323	323	320	320	323	327	340	331	330	324
13	321	333	335	330	351	348	337	335	319	310	307	298	311	309	303	311	309	292	309	303	311	318	324	334	319
14	323	318	321	316	324	316	324	318	311	301	288	292	311	301	282	277	322	311	296	332	311	303	310	310	309
15	318	321	310	312	302	310	302	307	294	275	289	297	306	297	299	309	303	309	312	305	327	315	313	308	306
16	313	326	323	313	315	317	315	305	292	300	302	305	308	313	300	299	297	302	310	309	341	306	305	313	310
17	313	307	310	309	315	305	302	306	295	308	310	315	317	312	310	315	309	320	308	305	310	310	319	313	310
18	311	313	315	319	323	322	318	308	297	297	292	303	310	310	314	316	307	313	310	316	321	317	323	324	312
19	312	310	312	312	310	313	311	309	296	291	301	310	311	301	278	294	296	319	307	299	304	330	318	314	307
20	306	306	307	311	311	315	313	303	295	300	304	307	308	312	315	316	315	315	313	311	308	308	308	308	309
21	310	312	310	310	313	317	318	316	311	308	311	311	312	315	315	312	312	314	315	315	315	318	316	315	313
22	314	316	318	318	320	328	330	320	315	312	310	310	314	320	323	317	314	312	312	312	312	312	313	314	312
23	320	325	325	324	323	328	328	318	315	315	318	317	315	317	318	315	317	315	313	315	312	312	322	318	319
24	318	319	319	322	325	328	331	326	322	324	320	322	328	328	328	328	328	308	312	307	297	305	304	302	319
25	307	308	309	307	309	312	315	317	310	309	309	310	312	310	305	304	299	307	317	317	309	312	312	312	310
26	314	314	314	315	317	317	317	314	310	311	317	319	321	319	314	314	316	316	317	317	315	317	316	317	316
27	319	319	321	322	323	327	325	321	315	316	315	317	319	319	320	321	320	319	319	319	318	317	317	317	319
28	318	318	321	321	322	320	320	315	312	316	324	324	322	320	318	316	315	316	318	318	318	319	321	320	319
29	320	321	323	324	325	324	323	317	311	316	328	336	335	330	325	319	317	317	322	318	309	304	300	314	320
30	314	307	310	319	322	330	330	330	317	289	299	296	273	286	276	261	268	288	312	308	295	275	270	294	299
31	295	327	329	324	324	303	277	258	245	242	243	248	244	220	187	209	219	196	211	240	267	278	282	283	260
Средн. по всем дням	316	318	319	320	322	323	323	318	311	309	312	315	316	315	310	310	309	309	310	312	315	315	315	316	315

Вариометр Эшенгаген

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитогаммы — ( ).

Обработал А. Сидоров

Проверил В. Сидоров

Ведомство АИУСС

Обсерватория Одесская

Месяц Январь Год 1963

Широта 46°47' Долгота 30°53'

Среднемесячн.  $\Sigma = 43155^+$

Элемент Вертикальная составляющая

$\Sigma = 43000^+$

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	158	158	158	157	158	158	158	158	158	155	155	157	158	158	157	158	160	161
2	157	157	157	157	157	157	157	158	159	155	154	155	158	157	155	155	155	155
3	154	154	154	154	154	154	154	154	155	153	155	155	155	155	155	155	155	155
4	155	153	153	153	153	152	152	152	152	153	153	153	151	151	151	154	158	164
5	157	156	156	156	156	156	155	154	152	151	153	156	155	158	158	157	158	158
6	155	155	155	155	155	155	155	154	154	153	154	155	156	155	155	155	154	154
7	153	154	152	152	152	152	153	150	149	151	152	154	155	156	155	155	157	160
8	155	155	155	155	157	157	157	154	153	155	155	155	156	157	156	156	155	155
9	154	154	155	154	155	153	152	149	149	147	146	149	152	154	154	154	155	155
10	152	152	152	152	152	152	152	149	146	147	148	149	149	151	154	155	155	155
11	152	152	152	152	152	152	152	149	148	146	144	146	146	147	148	149	150	152
12	155	155	155	154	155	153	149	146	148	148	147	147	152	154	155	155	155	155
13	152	148	150	149	151	146	146	146	143	145	148	152	155	154	157	158	157	157
14	147	149	149	152	152	153	152	149	149	150	149	159	161	158	158	163	163	158
15	158	152	153	155	156	156	155	154	155	157	158	159	161	161	163	164	161	161
16	158	155	149	152	155	155	152	149	149	152	151	157	159	161	157	159	163	162
17	152	155	155	155	155	155	155	149	150	155	151	155	156	157	158	158	156	159
18	155	157	155	155	155	155	155	152	156	155	156	161	161	159	159	158	157	160
19	148	152	154	155	156	158	156	156	155	154	154	154	156	157	158	165	164	165
20	156	158	158	158	158	158	154	151	152	152	152	155	158	157	160	159	158	158
21	157	157	157	157	157	157	154	151	151	148	148	153	156	156	156	156	156	156
22	155	157	155	155	156	156	154	152	154	153	152	154	157	157	154	154	155	155
23	156	153	154	153	154	154	151	150	146	141	145	149	154	154	154	154	156	155
24	154	154	154	154	154	153	150	148	147	147	148	154	157	154	154	153	153	153
25	154	154	154	156	157	156	154	154	153	151	151	154	154	154	156	157	157	159
26	156	156	156	156	156	156	154	153	151	151	151	154	154	153	154	155	155	155
27	154	154	154	154	154	154	154	151	148	146	148	152	154	152	154	154	154	154
28	153	153	153	153	153	153	152	150	147	150	152	153	153	150	152	153	153	155
29	153	153	153	153	153	153	150	149	147	146	147	150	153	150	147	150	152	153
30	152	152	153	152	152	151	149	149	148	146	155	157	158	162	158	163	167	170
31	155	152	148	148	148	146	146	152	155	161	161	170	175	175	184	195	191	190
С. дней по всем дням	154	154	154	154	154	154	153	151	151	151	151	154	156	156	156	158	158	159

19	20	21	22	23	Средн. суточн.
161	160	159	158	158	158
155	155	155	155	154	154
155	155	155	154	153	152
164	164	163	160	158	158
158	158	157	157	155	155
155	155	154	154	154	154
161	161	158	158	157	157
156	156	156	155	154	153
155	154	153	152	152	152
155	155	153	153	153	152
152	158	161	158	156	156
155	155	155	155	152	150
161	159	160	156	157	150
158	160	152	155	156	157
161	160	158	156	155	157
161	158	157	150	153	155
158	158	158	157	157	155
159	160	156	155	152	153
161	163	161	161	155	155
158	158	158	157	158	158
156	156	156	156	156	156
157	157	156	156	156	155
154	154	154	154	154	152
155	155	156	157	158	154
158	156	156	157	157	157
155	154	155	155	154	154
154	154	154	154	154	154
155	155	155	153	153	153
153	153	153	154	154	156
167	161	157	162	164	161
188	188	183	177	173	170
158	158	157	156	156	155

Вариометр Эрелманна

Обработал А. Сидоренко

Проверил А. Сидоренко

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Л — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Ведомство АЖУССР

Среднемесячн. 2 = 2° 00'

Обсерватория Одесская

Широта 46° 47' Долгота 30° 53'

Элемент Склонение

10670 III

Месяц Февраль Год 1963

$\delta = 1^\circ +$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	62.3	62.6	62.4	62.3	62.3	62.3	61.5	61.2	60.0	58.1	57.8	58.3	61.4	62.9	62.3	62.5	62.8	63.4	64.2	63.3	63.5	63.3	59.0	61.2	61.7
2	61.4	61.2	61.2	60.7	60.8	61.2	61.0	60.6	60.1	59.7	59.1	59.6	61.0	61.8	61.2	60.3	60.1	60.1	60.3	60.3	62.0	61.1	61.1	61.1	60.7
3	60.7	60.4	60.1	60.4	61.2	62.3	61.7	61.1	59.1	57.8	57.0	57.2	58.6	60.1	61.2	60.7	61.2	61.5	61.5	61.4	61.4	61.1	60.3	60.3	60.3
4	60.1	60.1	60.1	60.3	61.1	62.3	62.4	61.7	60.6	60.0	58.8	58.8	59.1	59.2	59.3	59.3	59.3	60.0	61.2	61.1	62.4	62.1	61.2	60.4	60.5
5	60.1	60.1	60.1	60.1	60.3	61.9	63.1	62.4	61.4	60.1	59.1	57.9	58.2	59.1	59.1	59.1	60.1	60.3	60.6	60.8	61.4	62.0	61.2	61.1	60.4
6	60.3	60.1	60.0	59.6	59.9	60.4	62.2	61.7	60.9	60.1	59.5	58.4	58.4	58.9	58.6	58.6	59.1	60.1	60.3	61.2	61.2	61.2	61.2	60.7	60.1
7	60.3	60.1	59.6	59.3	59.9	60.1	60.3	60.7	60.1	60.3	60.0	59.2	59.1	59.1	58.8	59.1	59.3	60.0	60.1	60.7	61.7	62.2	62.3	61.2	60.1
8	60.9	60.3	60.1	60.1	60.1	60.1	60.1	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.1	59.7	59.9	59.9	60.1	60.1	60.3	60.3	60.3	60.3	60.4
9	60.0	60.0	60.0	59.8	59.8	59.3	59.2	59.2	59.0	58.2	58.2	59.1	59.4	59.8	59.1	58.9	58.9	58.3	59.1	59.2	59.3	61.1	64.1	69.5	59.9
10	70.7	63.6	59.9	60.1	60.1	62.0	60.3	60.0	58.4	58.5	58.8	58.2	61.4	63.8	61.5	61.2	65.0	63.3	65.4	67.0	64.2	59.0	62.7	60.1	61.9
11	59.0	59.0	61.2	61.2	61.2	60.4	60.1	60.1	60.1	59.3	60.8	60.1	60.9	61.6	61.2	63.3	66.0	62.3	61.4	64.3	63.3	63.2	61.2	59.1	61.3
12	60.1	57.0	57.0	59.9	60.1	59.2	60.1	59.3	60.1	59.0	58.0	59.0	60.4	62.3	62.3	60.7	60.6	61.2	63.5	63.3	63.2	62.2	60.1	60.0	60.4
13	59.0	60.1	59.6	59.6	60.1	60.1	61.1	59.9	60.9	60.0	60.1	61.2	63.8	62.2	61.5	66.0	67.5	63.4	62.3	65.6	64.5	62.3	61.1	58.6	61.7
14	59.2	61.2	61.2	61.1	61.2	61.2	61.2	60.6	60.3	59.0	58.6	58.1	59.2	61.2	63.4	62.5	62.5	61.2	61.2	61.1	60.4	61.0	61.0	61.0	60.8
15	60.8	61.1	61.0	60.3	60.3	60.3	60.3	60.1	59.6	59.2	59.2	60.1	61.4	63.3	62.5	60.3	60.7	61.2	62.0	60.9	60.9	60.9	60.7	60.7	60.7
16	61.1	61.1	61.0	61.0	60.7	60.7	60.1	59.4	59.1	59.1	59.2	59.1	59.6	60.4	60.1	60.3	62.3	61.2	60.1	60.3	60.4	60.4	60.4	60.4	60.4
17	60.3	60.3	60.3	60.3	60.7	60.3	60.1	60.1	60.0	58.8	59.3	59.3	60.0	60.0	59.3	59.2	60.0	60.3	60.1	60.3	60.3	60.3	60.4	60.3	60.1
18	60.3	60.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	58.3	58.1	58.1	58.2	59.1	59.4	59.3	60.8	60.3	60.1	60.0	60.3	60.3	60.3	60.1	59.8
19	60.1	60.1	60.1	60.1	60.1	59.8	59.8	59.8	59.8	59.8	59.2	59.1	59.2	59.3	59.3	59.1	59.1	59.2	59.6	59.6	59.6	60.0	60.0	60.0	59.7
20	59.9	59.9	59.9	59.9	60.1	59.2	59.0	59.0	59.0	58.2	58.2	58.1	58.9	58.7	58.2	58.7	58.8	58.8	59.3	61.3	61.7	62.7	64.3	62.3	59.8
21	61.4	61.2	61.2	61.2	61.1	60.7	60.1	59.7	59.1	59.1	59.1	59.8	60.1	60.6	60.1	60.0	62.3	62.0	61.4	61.4	61.2	61.8	62.3	61.2	60.8
22	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.6	60.3	59.1	58.2	58.3	59.2	60.0	60.0	59.5	59.8	60.0	62.2	61.5	61.1	60.3	60.6	60.6	60.1
23	60.1	60.1	60.1	60.1	60.0	60.0	60.0	60.0	59.4	59.0	58.6	59.1	60.1	60.1	60.1	60.0	62.2	61.0	61.2	60.9	60.9	60.9	60.8	60.8	60.2
24	60.3	60.3	60.1	60.3	60.3	60.4	61.1	61.4	60.4	59.2	58.6	58.5	59.1	59.8	60.0	59.3	59.3	59.6	60.1	60.4	60.4	60.4	60.5	61.2	60.0
25	61.2	60.1	60.3	61.1	60.9	60.7	61.2	61.2	61.1	59.0	59.1	58.7	59.2	60.1	60.1	60.1	60.1	60.1	60.1	60.6	60.4	60.4	60.4	60.4	60.3
26	60.3	60.3	60.3	60.3	60.3	61.1	61.1	61.1	60.3	58.9	58.1	58.3	59.2	59.6	60.1	60.1	60.3	60.3	60.3	60.3	60.7	60.7	60.7	60.7	60.1
27	60.6	60.7	60.7	60.7	60.7	60.7	61.2	61.4	60.3	59.2	58.7	58.7	59.1	59.7	59.6	59.6	60.0	60.0	60.1	60.1	60.5	60.5	60.6	60.3	60.2
28	60.3	60.3	60.8	60.8	60.1	61.1	61.2	61.2	60.0	59.1	58.2	58.1	58.2	59.1	59.1	59.5	59.5	59.5	60.1	60.3	60.4	60.4	60.9	62.3	60.0
29																									
30																									
31																									
Среднее по всем дням	60.7	60.4	60.3	60.4	60.5	60.6	60.7	60.5	60.0	59.2	58.9	58.9	59.8	60.5	60.3	60.2	61.0	60.7	61.0	61.3	61.3	61.1	61.1	60.9	60.4

Вариометр Эшнхгагена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отстутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сидоров

Проверил В. М. М.

Ведомство АНУ ССР

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. H = 21316<sup>h</sup>

Месяц Февраль Год 1963

Элемент Горизонтальная составляющая

H = 21000<sup>h</sup> +

Дни	Время																	Средн. суточн.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23				
1	287	287	286	288	290	290	292	294	290	295	292	294	297	276	272	273	271	269	274	278	280	294	310	297	286	
2	299	302	303	307	303	294	291	289	291	295	303	310	314	315	313	312	312	313	312	310	314	308	307	307	305	
3	309	309	310	310	309	302	294	287	284	290	304	312	319	321	315	313	308	308	312	314	316	315	315	315	308	
4	316	317	318	319	320	315	312	307	305	305	307	313	318	324	328	325	324	315	302	307	322	318	315	315	315	
5	315	316	317	318	319	317	314	310	305	302	302	301	300	302	302	302	310	317	318	318	316	318	318	317	311	
6	317	318	317	318	323	328	326	323	322	321	321	323	320	315	311	312	310	315	317	320	318	320	318	318	319	
7	318	318	320	323	325	328	333	332	329	326	328	322	316	314	315	318	320	320	320	321	323	319	317	317	322	
8	317	318	318	320	322	327	331	331	331	331	333	331	330	324	318	320	321	323	323	323	322	322	322	323	324	
9	325	326	327	328	328	330	333	334	334	342	347	348	348	344	336	332	336	339	331	336	341	336	334	294	334	
10	258	273	292	302	300	302	295	279	287	286	287	287	253	265	275	277	284	286	282	305	296	313	300	292	286	
11	295	295	298	298	296	285	300	305	303	290	295	302	292	306	298	292	311	305	303	313	322	306	306	309	301	
12	308	306	317	318	305	306	292	293	279	305	313	315	313	309	309	313	312	315	319	319	316	320	321	319	310	
13	318	313	305	305	304	308	287	292	297	300	305	300	290	296	308	311	305	310	307	345	305	300	316	324	306	
14	324	310	305	305	300	303	311	305	272	311	314	317	318	306	303	307	317	313	313	325	329	317	315	319	311	
15	313	313	313	316	318	316	318	320	317	318	318	313	311	300	305	313	312	313	316	313	313	314	314	316	314	
16	312	312	312	311	312	312	314	314	314	316	316	317	318	315	313	307	306	308	313	315	317	317	317	317	314	
17	317	318	318	318	318	322	326	328	326	327	333	334	329	325	322	320	320	320	322	322	323	323	321	319	321	323
18	321	322	323	322	323	326	333	335	330	328	330	335	334	330	324	320	320	322	322	323	322	324	324	325	326	
19	323	323	323	324	324	329	329	332	334	332	332	332	332	333	327	324	323	323	326	327	329	329	329	328	328	
20	328	328	329	336	334	339	341	341	339	333	329	331	331	324	318	317	321	322	325	322	318	312	318	323	327	
21	311	312	317	318	319	320	320	316	315	314	320	325	321	316	314	311	305	299	302	313	315	315	315	314	314	
22	315	316	315	317	318	320	320	320	313	315	320	325	320	320	318	318	315	318	315	321	318	328	323	320	319	
23	320	323	325	328	330	331	335	332	332	333	336	331	320	325	319	313	301	309	315	320	319	320	320	320	323	
24	320	321	321	320	322	328	329	331	331	328	328	329	330	326	323	322	322	321	322	322	323	326	325	323	325	
25	322	323	322	321	321	322	323	325	325	324	327	331	330	322	319	315	314	317	319	323	323	324	322	322	322	
26	322	322	322	323	327	329	329	330	325	320	320	322	321	317	314	306	312	314	319	319	319	319	321	319	320	
27	320	321	322	322	325	327	327	327	327	329	335	335	333	329	325	324	322	321	321	322	324	323	322	327	325	
28	325	326	324	324	327	331	335	338	335	324	328	333	336	334	322	322	325	327	327	327	327	330	328	319	328	
29																										
30																										
31																										
С. средне по всем дням	313	314	315	316	316	317	318	317	314	316	319	320	318	315	313	312	313	314	314	319	318	318	318	316	316	

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∩ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сидорин

Проверил С. С.

Ведомство АНУССР

Среднемесячн.  $\bar{Z} = 43/55^+$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Февраль Год 1963

$\bar{Z} = 43000^{\circ} +$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	170	167	167	167	167	165	166	167	167	166	165	167	169	167	169	170	170	170	170	170	169	164	167	168	167
2	162	162	161	162	161	163	164	167	169	168	167	167	167	164	161	160	161	161	160	160	160	159	159	159	163
3	159	158	158	158	160	160	160	161	162	164	164	163	164	161	157	158	158	160	160	160	159	158	158	158	160
4	157	157	157	157	158	158	155	155	155	157	158	161	159	159	158	157	156	157	158	161	160	158	158	158	158
5	157	156	156	156	156	156	154	150	148	148	148	150	154	156	158	158	157	158	157	157	156	156	156	156	155
6	155	155	155	155	155	155	152	146	146	149	151	153	155	155	155	156	157	157	156	156	155	155	155	155	154
7	154	154	154	154	154	154	154	154	152	152	150	149	151	153	154	154	154	154	154	154	154	154	154	154	153
8	154	154	154	154	154	153	155	155	156	155	155	153	153	154	153	155	155	155	155	155	155	155	155	155	154
9	153	153	153	153	152	152	151	151	149	149	149	148	149	148	146	147	149	149	149	149	149	149	149	149	150
10	154	167	159	155	155	155	153	151	154	152	155	157	160	173	170	169	165	167	164	167	163	157	155	158	160
11	158	158	159	160	161	160	161	161	158	155	156	157	158	162	161	161	164	161	161	161	161	161	161	161	159
12	158	160	155	154	155	157	156	158	161	163	164	163	161	162	161	160	160	160	160	160	160	160	160	160	159
13	152	155	155	155	157	158	158	164	167	168	167	167	167	170	164	164	160	165	159	161	152	158	161	157	161
14	152	152	155	157	158	159	158	155	157	164	159	158	158	159	160	161	161	160	161	159	158	157	158	158	158
15	157	157	158	158	158	157	158	158	158	158	160	159	161	161	161	161	161	160	160	161	160	160	160	160	159
16	158	158	158	158	158	158	158	158	157	155	157	157	158	156	156	157	158	160	160	160	160	160	160	160	158
17	157	157	157	157	157	157	157	157	157	157	157	157	158	158	158	156	156	157	157	157	157	157	157	157	157
18	155	155	155	155	155	155	156	153	148	147	150	152	154	154	152	154	155	155	155	155	155	155	155	155	154
19	155	154	154	154	154	152	152	152	151	149	148	151	150	150	149	151	152	152	152	152	152	152	152	152	152
20	152	152	152	152	149	150	146	146	144	142	143	144	145	146	147	149	152	152	152	152	152	152	152	152	149
21	152	154	155	155	154	153	153	152	150	152	155	155	155	155	154	154	155	158	158	158	158	158	158	158	155
22	155	155	155	155	155	154	155	152	150	150	152	153	155	156	155	155	155	155	155	155	155	155	155	155	154
23	154	154	153	153	152	152	153	152	148	147	147	148	149	149	149	151	152	157	155	155	155	155	154	154	152
24	153	153	152	152	153	152	152	152	149	148	145	145	147	149	149	149	149	152	152	152	152	152	152	152	151
25	152	152	151	152	151	152	152	149	146	145	148	149	149	150	150	151	152	152	152	152	152	152	152	152	151
26	152	152	152	152	152	151	149	147	145	143	142	143	146	149	150	152	153	154	154	154	153	153	153	153	150
27	152	152	152	152	152	152	152	149	147	146	146	146	148	149	149	149	149	151	151	152	152	152	152	152	150
28	151	151	151	151	151	149	148	146	140	139	142	142	145	146	146	148	149	149	149	149	149	149	149	149	147
29																									
30																									
31																									
Среднее по всем дням	155	156	155	155	156	155	155	154	153	153	154	154	155	156	155	156	156	157	157	157	156	155	155	155	155

Вариометр Эдельмана

Обработал А.Тарасов

Проверил А.Сидоров

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\bar{\Delta}$  — причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Ведомство АХУССР

Среднемесячн.  $\bar{\theta} = 1^{\circ}60'4$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Склощение

10670 III

Месяц Март Год 1963

$\theta = 1^{\circ} +$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	62.7	62.3	62.3	62.3	61.9	60.4	61.3	61.5	58.1	57.5	56.2	55.9	57.2	58.4	59.4	60.6	64.3	62.5	61.3	61.3	61.3	62.3	61.4	60.2	60.5
2	60.2	61.2	60.8	60.9	60.5	61.2	61.7	62.0	61.3	60.2	58.7	58.1	58.4	59.9	59.4	59.5	59.7	60.2	60.2	60.4	60.8	60.4	60.4	60.7	60.3
3	60.7	60.4	60.4	60.4	59.7	61.2	62.2	61.5	59.8	58.7	57.1	57.8	58.4	59.2	59.9	59.7	59.7	59.5	60.0	60.4	60.8	61.4	60.2	60.9	60.0
4	60.5	60.6	60.6	60.8	60.5	60.5	60.8	60.5	59.7	58.3	57.1	57.1	58.3	59.3	60.4	59.7	59.6	59.3	59.4	60.5	60.5	60.8	61.3	61.3	59.9
5	61.3	61.3	61.0	61.0	60.5	61.5	63.1	63.3	60.5	58.1	56.2	56.2	57.1	58.1	59.3	59.2	59.0	59.3	60.0	60.0	60.9	62.2	61.4	61.3	60.1
6	61.2	61.3	61.5	62.0	61.4	61.1	62.1	62.7	62.3	60.2	58.4	58.1	58.1	59.2	60.0	60.1	60.1	60.5	60.2	62.4	64.2	62.3	61.3	60.9	61.0
7	60.7	61.0	61.0	60.4	61.2	61.2	62.1	62.3	61.3	59.8	58.4	58.0	58.1	59.1	59.3	59.2	59.2	59.0	59.0	59.3	60.7	62.1	64.2	67.8	60.6
8	62.8	60.4	60.0	61.3	61.4	61.4	61.5	59.2	58.4	59.1	55.9	55.7	56.1	59.1	60.1	61.5	62.5	64.0	60.3	65.9	64.5	62.3	62.3	61.3	61.1
9	61.3	60.2	61.3	60.7	59.8	60.2	61.5	61.5	59.4	58.4	57.2	58.0	58.5	60.2	60.6	59.7	59.8	61.3	61.2	61.3	62.3	61.3	60.1	61.7	60.3
10	62.3	60.2	60.2	61.2	60.9	61.6	61.5	61.0	60.8	59.8	58.4	57.8	61.1	62.3	66.5	68.5	62.3	69.6	62.3	62.5	61.8	60.2	64.0	61.3	62.0
11	57.1	62.4	62.4	61.4	60.6	62.3	63.0	63.3	61.9	59.6	59.0	58.5	59.0	59.8	60.6	62.3	61.3	61.3	61.0	64.0	62.4	62.7	62.8	60.8	61.2
12	60.4	61.3	60.2	60.5	60.6	61.5	63.3	63.5	61.8	59.2	58.7	58.1	59.3	62.0	63.3	64.5	61.3	60.7	61.3	62.3	62.2	61.3	61.3	61.3	61.2
13	61.3	61.3	61.3	61.5	61.5	62.3	62.8	62.0	59.8	59.1	58.7	58.0	58.3	59.5	62.3	61.3	59.8	60.2	61.0	61.3	61.3	61.3	61.3	60.9	60.8
14	61.3	60.8	61.3	61.2	60.9	60.8	62.2	62.6	62.2	60.0	58.1	57.2	57.6	58.7	59.7	60.2	60.2	60.2	61.0	61.2	61.2	61.0	61.0	61.0	60.5
15	60.6	60.6	60.2	60.2	60.2	61.3	62.4	62.5	60.4	58.0	56.8	57.1	57.6	58.9	60.1	60.2	60.2	60.2	61.2	61.2	61.2	61.2	61.2	61.0	60.2
16	60.8	60.8	60.8	60.8	61.2	62.2	63.2	63.9	62.0	59.4	58.0	57.5	58.1	59.0	60.7	60.7	60.2	60.2	60.2	60.2	60.2	60.2	60.5	60.5	60.5
17	61.0	61.0	61.0	61.0	60.9	61.6	63.0	63.4	62.0	59.3	57.1	56.5	56.5	57.2	58.7	59.2	59.4	59.5	60.0	60.6	61.7	62.2	60.1	61.7	60.2
18	61.1	61.2	61.7	62.0	61.4	62.3	63.5	64.0	62.2	59.2	57.5	58.4	58.2	56.9	58.2	60.1	60.3	61.2	60.3	60.3	60.5	62.2	62.0	61.3	60.5
19	61.3	61.1	61.7	61.3	62.4	63.2	63.4	63.4	61.3	58.2	56.5	56.2	57.0	58.2	59.6	61.3	61.1	60.1	60.5	61.5	61.3	61.3	59.8	60.3	60.5
20	61.2	61.0	61.2	61.3	61.4	63.0	64.3	64.2	61.7	59.0	57.0	56.6	57.0	58.2	59.2	59.2	59.2	59.1	59.1	59.3	60.0	62.2	61.3	61.2	60.3
21	60.3	60.1	60.1	59.6	60.1	61.4	63.4	64.3	61.2	57.2	56.0	55.9	56.9	58.3	60.3	61.2	60.4	61.0	61.2	61.2	61.2	61.2	61.2	61.2	60.1
22	60.1	60.1	60.1	60.9	61.2	62.1	63.4	64.0	62.4	60.6	59.1	58.0	57.4	57.5	58.3	60.0	58.8	58.8	59.0	59.2	59.5	60.1	60.6	60.1	60.1
23	60.1	60.7	60.3	60.1	60.1	61.2	62.6	63.5	61.9	58.3	56.0	54.4	55.1	56.4	59.4	60.4	60.0	59.4	59.3	60.1	61.2	61.2	61.4	61.2	59.8
24	61.2	61.2	61.2	61.2	61.2	62.2	63.4	63.4	62.2	60.0	57.1	56.4	56.4	58.2	60.1	60.1	60.1	60.6	61.3	60.8	60.3	60.8	61.2	59.3	60.4
25	60.3	60.3	60.3	60.4	61.2	62.2	64.0	63.4	60.9	57.6	56.3	56.2	57.2	58.8	60.1	60.0	59.2	60.3	60.1	60.1	60.1	60.1	60.1	60.1	60.0
26	60.7	60.6	60.8	60.9	61.2	62.1	63.6	64.3	62.3	60.1	57.7	56.7	57.0	58.2	60.0	60.4	60.3	60.1	61.2	62.2	62.2	60.7	60.3	60.3	60.6
27	60.2	60.2	60.2	60.4	61.1	62.1	62.9	62.9	61.2	58.6	56.9	56.8	57.1	58.3	59.6	60.9	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.1
28	60.3	60.3	60.3	60.3	60.4	61.2	62.4	62.8	61.2	58.7	56.0	54.9	54.9	56.5	58.2	59.1	59.1	59.1	60.1	60.3	60.6	60.3	60.7	60.9	59.5
29	60.3	60.3	60.9	60.4	60.4	62.2	63.4	63.2	61.1	57.9	55.1	54.9	55.4	57.3	59.2	60.1	60.1	60.1	60.1	60.4	60.7	61.0	61.0	61.0	59.9
30	61.3	62.0	62.0	61.6	61.6	62.4	63.5	63.7	62.2	59.6	57.2	56.3	57.1	58.9	60.1	60.1	60.1	60.1	60.3	60.4	60.6	60.6	60.5	60.5	60.5
31	60.9	60.9	60.9	61.2	61.3	62.4	64.0	64.0	62.0	59.1	56.8	56.5	57.4	58.4	59.4	60.1	60.1	60.1	60.4	60.4	60.4	60.1	60.9	62.2	60.4
Средн. по всем дням	60.8	60.9	60.9	60.9	60.9	61.7	62.8	62.8	61.1	59.0	57.3	56.8	57.4	58.7	60.1	60.6	60.2	60.6	60.8	61.0	61.2	61.2	61.1	61.1	60.4

Вариометр Эшнгазена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановился час;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сидоренко

Проверил А. Сидоренко

Ведомство Алусер

Среднемесячн.  $H = 21318^*$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Горизонтальная составляющая

Месяц Март Год 1963

$H = 21000^*$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	суточн.		
1	310	312	309	320	323	327	333	323	318	313	315	312	307	306	309	308	302	312	312	314	316	321	315	322	315
2	319	314	313	314	319	326	327	329	324	319	324	327	324	324	318	317	315	319	321	319	319	322	322	322	321
3	319	319	319	322	325	327	325	331	327	321	327	325	324	329	323	319	319	325	327	322	320	325	329	326	324
4	321	318	321	321	323	321	321	321	320	315	318	322	329	327	322	317	313	312	315	320	320	320	319	318	320
5	318	318	318	321	323	321	318	318	317	313	316	318	325	324	318	318	316	318	321	320	321	329	326	321	320
6	317	320	318	318	320	324	330	329	321	328	326	323	323	323	319	315	317	316	315	315	315	316	316	315	320
7	314	314	315	316	316	314	316	319	320	325	327	330	330	327	323	322	324	329	337	332	319	318	340	319	323
8	308	308	319	332	321	330	332	311	316	318	324	284	282	300	282	271	279	275	324	297	309	319	300	318	307
9	308	310	303	308	300	302	314	314	315	318	324	325	321	311	308	308	306	310	314	310	314	324	325	308	312
10	306	307	308	314	308	308	293	300	295	283	279	295	285	267	265	279	280	324	321	312	332	340	316	316	301
11	326	315	292	291	289	299	307	300	299	301	307	315	317	313	299	297	302	307	304	321	331	307	302	313	306
12	312	307	299	312	310	310	309	306	305	307	305	313	309	307	300	301	299	305	305	313	313	309	307	307	307
13	307	307	307	309	311	315	318	321	313	310	307	312	311	307	292	297	304	307	312	310	315	314	310	310	309
14	312	312	308	310	314	317	321	325	323	321	317	316	317	315	310	312	312	313	313	315	315	315	315	315	315
15	315	315	315	315	318	318	319	319	315	313	319	325	326	323	315	313	313	313	315	315	315	317	318	317	317
16	320	318	319	320	321	323	325	325	326	321	319	323	325	325	321	318	318	318	320	322	323	323	323	322	322
17	321	321	321	323	325	326	327	326	325	323	323	331	331	331	326	320	310	311	310	315	325	315	329	317	322
18	317	318	318	320	323	322	323	313	301	299	299	313	317	312	299	289	295	299	315	318	316	318	309	315	311
19	315	315	313	318	325	323	325	318	317	315	313	315	318	317	317	309	310	315	315	307	307	310	323	323	316
20	319	319	319	320	318	318	320	317	316	317	315	318	323	323	323	325	326	329	331	331	327	327	318	322	322
21	321	319	320	321	323	323	321	307	313	319	320	323	323	321	318	318	319	320	323	323	323	323	323	322	320
22	323	323	323	323	323	326	329	329	326	326	326	329	329	329	329	326	329	334	336	336	334	332	331	331	328
23	330	328	328	331	334	335	340	328	328	335	322	326	335	320	293	301	314	322	322	322	319	319	319	317	304
24	317	316	317	319	322	322	324	323	322	322	319	320	322	324	321	317	318	317	321	321	322	322	326	326	321
25	321	321	322	323	321	324	319	316	321	329	334	339	339	329	320	318	323	327	327	323	324	324	327	325	325
26	324	324	323	325	327	327	324	317	311	309	311	319	326	327	321	320	317	318	323	319	316	319	321	321	320
27	320	319	320	322	323	323	323	320	320	321	326	328	328	326	319	315	316	318	320	318	320	320	320	322	321
28	323	323	324	328	331	335	333	328	322	326	333	338	336	333	331	327	327	329	330	328	329	332	328	328	329
29	330	326	326	328	332	336	335	333	331	325	320	318	316	321	320	320	321	322	322	322	320	325	323	320	325
30	323	320	320	321	322	323	322	319	320	320	321	325	325	321	320	320	319	320	323	320	320	324	325	323	322
31	323	324	324	324	323	325	325	324	325	325	329	327	325	319	316	314	317	319	321	321	322	322	332	341	324
Средн. по всем дням	318	317	316	319	320	322	323	320	318	317	318	320	321	319	313	311	312	315	320	319	320	321	320	320	318

Вариометр Эшнелгагена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. А. А. А.

Проверил А. А. А.



Среднемесячн.  $\bar{z} = 43151$

Ведомство АНУССР

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Вертикальная составляющая

Месяц Март Год 1963

$\bar{z} = 43000$

Дня	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	149	150	150	151	148	150	145	142	138	141	145	148	148	151	152	152	154	157	156	154	155	152	152	152	150
2	151	151	151	151	151	151	150	147	142	142	142	143	143	145	145	147	150	151	151	151	151	151	151	151	148
3	151	151	151	151	150	151	151	145	136	133	140	144	148	150	148	148	150	151	151	151	151	152	150	148	148
4	148	149	150	151	150	149	148	143	139	141	146	148	152	152	151	150	151	151	152	153	151	151	151	151	149
5	151	151	151	151	150	151	151	142	133	134	139	145	147	148	149	148	150	151	151	151	152	151	148	149	148
6	150	150	150	150	150	150	150	146	139	137	139	142	142	146	148	149	150	151	151	152	151	151	151	151	148
7	151	151	151	151	150	151	150	145	141	143	144	147	148	148	147	148	148	150	150	148	148	151	142	148	148
8	151	151	152	148	145	148	145	142	137	138	142	142	142	151	154	157	160	164	165	165	161	155	154	157	152
9	153	155	154	156	155	157	157	148	143	142	145	148	150	153	153	154	154	156	155	155	155	157	150	149	152
10	151	154	153	151	151	154	154	156	145	148	153	157	163	170	175	178	175	170	155	161	154	151	143	151	157
11	146	143	147	153	157	159	158	153	151	150	152	153	155	155	157	157	158	160	159	158	155	153	155	157	154
12	154	154	155	155	155	157	158	152	147	149	152	157	155	158	158	161	160	160	158	159	157	157	157	158	156
13	157	157	158	157	158	158	155	146	146	149	151	151	150	155	155	163	161	160	160	159	158	157	157	157	156
14	157	157	156	156	155	155	152	148	142	140	142	143	145	149	152	155	155	155	155	155	155	155	155	155	152
15	154	154	154	154	154	154	154	147	140	139	143	146	152	152	152	152	154	154	154	154	154	154	154	154	151
16	154	154	154	154	154	157	157	151	144	143	145	147	149	152	152	150	152	154	154	154	154	154	154	154	152
17	152	152	153	152	152	154	154	149	142	142	142	143	146	148	151	151	152	155	156	157	155	152	154	151	151
18	152	152	152	152	152	152	153	149	143	140	144	149	152	153	156	158	161	161	161	158	158	158	157	158	153
19	156	156	155	156	154	153	153	147	145	143	145	149	150	152	155	155	157	158	157	157	158	158	160	152	153
20	154	155	154	155	155	156	155	154	149	144	144	145	149	151	153	152	152	152	154	154	154	153	153	153	152
21	154	154	154	154	153	152	150	144	140	141	146	148	149	152	154	154	153	154	154	154	154	154	154	154	151
22	154	154	153	154	154	155	154	149	143	137	139	140	143	146	149	149	152	152	152	152	151	152	152	152	149
23	152	151	152	152	152	155	152	146	142	140	138	140	145	149	155	158	158	158	156	155	155	156	155	155	151
24	155	155	155	155	155	155	154	149	143	141	140	143	146	149	152	152	152	153	155	155	155	155	154	155	151
25	152	153	154	154	154	154	152	143	131	129	131	137	142	146	151	152	152	152	152	152	152	152	152	152	148
26	152	152	152	152	154	155	155	155	150	146	145	146	149	152	154	153	153	155	154	154	154	154	154	154	152
27	154	154	154	154	154	154	153	149	143	140	137	137	142	146	151	152	154	154	154	154	154	154	153	153	150
28	154	154	153	152	153	154	154	149	143	140	140	143	146	149	141	149	152	152	152	152	152	152	152	152	150
29	152	152	152	152	152	153	149	145	140	135	136	137	143	151	152	152	152	153	153	153	154	154	154	154	149
30	152	152	152	152	152	152	152	151	145	140	142	145	149	150	151	152	152	152	154	154	154	154	153	152	151
31	153	152	152	152	152	152	149	146	140	134	139	140	146	149	152	151	152	154	154	154	154	155	154	150	149
С. еднее по всем дням	152	153	153	153	153	153	152	148	142	141	143	145	148	151	153	154	155	155	155	155	155	154	153	153	151

Вариометр Эдельмана

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\bar{\wedge}$  — причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Таран

Проверил А.Сидор

Ведомство АХУССР  
 Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. D = 1°604

10671 III

Месяц Апрель Год 1963

Элемент Склонение

D = 1° +

Дни	Врем. мндо ос.																	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	63.1	63.0	62.2	62.1	62.1	61.0	63.0	63.1	61.9	60.2	59.0	57.9	57.1	57.7	58.2	59.0	60.0	60.6	60.5	61.0	61.0	61.0	61.0	60.9	60.7
2	61.0	61.0	61.3	61.1	61.8	63.1	64.3	65.2	63.1	59.1	56.6	55.9	56.9	58.1	59.5	59.9	60.0	61.1	64.1	62.1	61.4	61.4	61.1	60.7	60.8
3	59.1	60.5	61.1	61.2	62.1	63.1	63.1	61.6	60.5	58.9	56.9	56.0	56.5	57.1	58.8	59.3	60.0	60.4	60.4	60.0	60.0	60.5	60.5	60.7	59.9
4	61.2	61.2	61.2	61.2	61.8	62.5	63.1	62.2	60.2	57.9	55.9	55.3	55.0	56.4	57.9	58.1	58.1	59.2	63.1	66.6	61.5	60.3	61.0	60.2	60.0
5	61.2	61.3	62.5	62.0	60.2	61.1	62.2	62.0	61.2	59.1	58.2	57.0	57.8	59.1	60.0	63.3	61.8	61.4	63.3	61.3	61.2	61.8	59.4	58.9	60.7
6	60.5	61.1	62.0	62.1	63.1	64.2	64.4	62.1	61.1	58.9	56.9	58.2	57.0	58.4	62.1	61.1	61.1	62.1	61.2	62.1	61.1	59.2	59.0	61.1	60.8
7	61.2	62.2	61.1	61.1	61.4	63.1	63.4	62.3	60.0	58.7	56.0	55.9	56.8	58.5	60.0	62.2	63.1	61.7	60.2	60.2	60.8	60.8	60.8	58.2	60.3
8	60.9	61.2	61.3	61.6	62.2	63.3	64.1	63.1	61.1	59.1	58.1	57.4	57.3	58.1	59.0	59.3	60.3	61.1	62.1	61.0	61.1	61.0	61.0	61.0	60.7
9	61.2	61.1	61.1	61.3	62.0	62.6	64.2	63.4	61.6	60.0	57.9	57.1	57.8	58.8	59.5	60.2	61.1	63.4	62.1	61.0	60.9	61.1	61.1	61.1	60.9
10	61.1	61.1	61.1	61.3	62.1	63.6	64.2	63.3	61.3	58.9	56.0	55.0	55.9	57.9	59.0	60.2	61.1	61.1	61.1	61.0	61.0	60.9	60.9	60.9	60.4
11	61.1	61.1	61.1	61.1	61.6	63.0	64.1	63.3	61.1	57.9	54.8	53.7	54.0	56.0	58.2	60.0	60.2	60.3	60.2	60.3	60.9	60.9	60.8	61.1	59.9
12	60.2	61.1	61.2	61.3	62.1	63.6	64.3	63.7	62.0	57.9	54.8	53.0	54.0	55.8	57.9	60.0	60.0	60.2	61.1	62.1	63.7	63.1	62.0	61.1	60.3
13	61.1	61.1	61.1	61.1	62.3	64.2	65.2	64.3	62.3	60.0	56.4	53.0	52.7	54.8	56.9	57.8	60.0	61.0	63.0	62.3	61.6	63.8	64.2	64.0	60.6
14	61.3	62.5	63.1	63.1	64.1	64.1	63.9	63.1	61.1	58.5	56.0	55.3	55.9	57.6	57.7	59.1	59.8	59.3	60.0	60.8	62.1	60.0	62.1	61.6	60.5
15	61.1	61.0	58.1	61.0	63.1	64.2	63.3	62.1	59.1	57.0	55.9	54.7	56.0	57.9	58.9	59.8	60.7	60.2	60.5	61.1	61.1	61.1	60.8	61.0	60.0
16	59.9	61.2	61.6	61.6	63.0	64.2	64.5	63.7	61.6	59.0	56.1	55.8	56.0	57.7	59.0	60.0	60.0	60.2	60.2	60.0	60.6	61.1	61.2	62.1	60.4
17	62.1	62.2	62.1	61.8	62.3	64.1	64.4	64.1	62.1	59.3	56.4	55.9	55.9	56.9	58.1	59.1	59.9	61.1	61.1	61.1	60.5	60.5	61.3	61.7	60.6
18	62.2	62.2	62.2	62.3	63.1	64.2	65.2	64.7	63.0	60.0	56.3	55.4	55.6	56.1	57.3	59.0	58.1	60.0	64.2	62.2	63.3	63.3	63.1	62.1	61.0
19	60.0	61.2	62.1	62.4	63.3	64.4	63.0	62.1	60.2	57.9	55.9	56.2	56.9	57.1	57.4	57.9	58.5	60.7	61.2	59.4	60.0	60.2	60.2	60.3	59.9
20	58.9	61.6	62.1	62.2	62.9	63.7	64.2	63.3	60.8	58.1	56.8	55.9	56.4	58.5	60.0	62.0	61.1	61.1	61.0	61.1	61.1	61.2	61.6	61.6	60.7
21	61.3	61.6	61.9	62.3	63.1	64.2	63.6	62.0	59.1	56.9	54.8	55.9	57.3	59.0	60.0	60.3	60.3	61.3	62.1	61.1	60.6	60.6	61.0	61.1	60.5
22	61.1	60.3	61.1	62.2	63.8	65.2	65.2	64.0	61.6	58.1	55.9	54.8	55.9	57.9	59.2	61.1	61.1	61.1	62.1	61.7	63.4	63.3	61.1	61.1	60.9
23	61.2	61.1	61.1	61.0	62.1	64.3	64.4	62.3	59.1	57.0	56.3	56.2	56.9	58.8	60.0	61.1	61.1	61.1	61.2	61.1	61.1	61.1	61.2	61.2	60.5
24	61.2	61.4	62.1	62.1	63.1	64.2	64.2	62.6	60.9	58.2	56.7	56.9	57.8	59.0	59.2	60.0	60.0	60.0	60.0	60.2	60.6	61.2	61.2	61.2	60.6
25	61.0	61.0	61.3	62.1	63.0	64.1	64.1	63.1	61.1	56.9	54.8	54.3	55.8	57.7	59.0	59.9	60.0	60.0	61.0	61.2	61.1	61.2	62.1	61.2	60.3
26	60.2	61.2	62.1	62.8	62.2	64.1	65.2	63.7	61.1	58.2	55.9	55.3	55.7	57.9	59.1	60.0	60.2	60.0	60.2	61.0	60.9	61.2	62.3	62.2	60.5
27	62.2	62.2	62.4	63.9	64.2	65.1	64.2	62.3	58.9	54.2	51.9	52.5	54.0	55.9	57.3	58.4	59.0	60.0	61.1	64.0	62.1	61.2	61.2	61.5	60.0
28	61.5	61.5	61.9	62.3	63.0	63.3	63.0	61.2	59.1	57.1	55.8	55.3	55.9	56.9	57.1	58.2	59.7	59.9	59.9	60.0	60.0	60.3	60.7	61.0	59.8
29	61.1	61.9	62.1	62.6	62.2	62.1	62.1	61.3	60.0	58.3	56.8	55.9	56.9	57.0	57.3	59.1	59.2	59.5	60.0	60.0	60.7	60.7	60.7	61.0	59.9
30	61.1	61.3	61.6	62.3	63.1	64.1	64.2	63.1	61.1	58.3	56.0	55.7	55.9	56.9	57.9	56.0	54.8	57.0	55.9	58.9	65.5	64.2	61.1	62.0	59.9
31																									
Среднее по всем дням	61.0	61.3	61.6	61.9	62.5	63.6	63.9	62.9	60.9	58.3	56.2	55.6	56.1	57.5	58.7	59.7	60.0	60.5	61.1	61.2	61.4	61.3	61.2	61.1	60.4

Вариометр Эшнелгаген

Обработал А.Тодина

Проверил М.М.

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Ведомство АЖУССР

Обсерватория Одесская

Месяц Апрель Год 1963

Широта 46°47' Долгота 30°53'

Среднемесячн. H = 21320

Элемент Горизонтальная составляющая

H = 21000 +

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	326	318	320	321	326	331	334	328	322	318	318	318	315	309	310	312	315	315	318	317	317	320	320	321	320
2	320	322	318	322	326	323	318	312	312	320	328	329	327	322	318	320	322	323	320	315	316	318	318	320	320
3	323	322	322	326	323	321	320	318	314	315	326	328	326	323	323	325	319	320	323	325	326	327	328	328	323
4	328	326	326	328	329	331	338	326	330	336	348	346	347	349	307	304	310	322	312	355	328	328	328	326	330
5	346	324	304	312	301	304	310	308	306	302	299	308	303	303	299	294	300	306	336	333	320	320	327	323	312
6	312	307	307	309	312	309	304	298	278	309	312	302	319	311	298	312	302	304	314	315	323	333	331	320	310
7	312	315	318	321	320	328	323	314	318	307	320	315	305	310	310	297	304	312	316	319	319	319	320	326	315
8	320	316	317	317	317	320	318	312	314	314	314	317	319	320	321	320	317	315	320	328	320	320	318	321	318
9	320	320	320	320	315	320	319	313	322	329	333	326	325	319	319	319	315	317	320	319	318	322	318	318	320
10	317	316	318	318	320	320	314	311	313	315	314	312	315	316	319	318	318	319	319	318	323	320	323	325	318
11	326	326	324	326	328	329	325	317	314	316	315	328	330	328	326	323	320	322	325	325	325	324	325	322	324
12	333	335	328	329	333	333	324	321	318	321	320	329	335	333	322	318	323	320	323	325	315	312	312	315	324
13	314	317	316	320	322	324	325	320	319	311	310	311	310	311	313	302	301	300	294	298	311	309	303	308	311
14	324	314	309	312	316	314	308	301	298	299	303	319	314	310	298	274	284	306	316	313	322	332	319	324	310
15	327	319	308	317	318	309	298	282	301	309	319	317	311	309	310	311	311	313	317	324	319	314	317	316	312
16	317	317	314	319	319	318	311	306	308	314	321	326	330	327	327	324	319	317	319	323	330	328	324	319	320
17	319	317	311	320	320	317	313	311	309	317	322	325	326	327	325	324	325	319	320	325	326	327	324	322	320
18	319	317	320	325	325	322	319	317	314	311	321	324	319	323	323	332	321	316	318	317	316	339	313	312	320
19	321	318	314	319	320	311	317	318	326	336	342	334	320	320	324	329	324	316	321	323	319	319	319	323	322
20	333	323	322	324	321	319	306	299	305	313	321	324	321	304	298	295	301	310	318	317	316	318	316	316	314
21	317	318	318	318	313	310	310	310	316	326	326	326	318	313	310	313	316	318	313	316	318	318	320	321	317
22	318	326	322	318	315	308	302	301	309	321	331	336	330	326	323	315	315	317	315	315	319	325	318	319	318
23	317	316	315	310	310	309	304	302	300	315	316	312	308	301	299	302	308	312	315	313	315	316	315	314	310
24	315	315	315	317	315	311	307	307	312	318	329	331	329	326	321	320	321	326	330	327	328	328	328	326	321
25	331	329	331	329	329	325	321	321	321	334	342	342	332	331	331	331	326	330	330	328	328	326	326	322	322
26	328	324	323	320	321	318	318	319	323	326	331	329	329	331	329	326	324	327	328	328	331	345	334	336	327
27	334	331	333	334	333	322	313	298	291	302	318	326	311	310	321	320	323	324	324	316	318	320	321	319	319
28	321	322	324	326	325	323	320	318	326	334	349	339	334	333	334	334	329	331	333	329	327	327	326	328	328
29	329	330	331	331	331	331	329	331	337	339	344	342	333	333	331	328	329	333	332	333	336	332	331	331	333
30	331	329	330	331	331	333	331	332	339	344	351	348	347	340	339	368	382	384	353	347	304	297	318	318	339
31																									
Средн. по всем дням	323	321	319	321	321	320	317	312	314	319	324	326	323	321	318	317	317	320	321	323	321	323	321	321	320

Вариометр Эшентгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∟ — иные причины отсутств. записи. Величины, взятые приблизительно с магнитограммы — ( ).

Обработал А. Соловьев

Проверил О. Ковалев

Ведомство АНУССФ

Среднемесячн.  $Z = 43150^*$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Апрель Год 1963

$Z = 43000^{\delta} +$

Время миро ос	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	147	148	150	150	150	153	147	145	140	139	140	145	145	150	152	152	153	153	154	153	153	153	149		
2	153	153	152	153	153	155	154	149	140	132	130	139	147	151	152	152	152	153	155	155	155	155	150		
3	155	152	153	153	154	152	148	143	138	137	139	143	146	148	150	152	151	153	155	155	153	153	150		
4	152	152	152	151	152	150	145	137	138	136	134	132	139	142	150	155	155	155	155	160	150	153	155	148	
5	150	140	145	155	153	158	158	155	150	148	145	153	157	160	165	160	166	162	155	155	153	155	155	155	
6	150	153	155	157	157	155	148	143	142	148	143	144	150	152	153	157	156	158	155	158	157	152	150	152	
7	152	154	154	153	155	155	150	145	147	140	140	143	150	157	158	158	162	160	155	158	156	156	157	153	
8	150	153	155	154	155	155	150	147	145	143	143	145	150	152	152	153	154	155	155	155	153	153	155	151	
9	154	154	154	155	155	155	152	148	147	143	145	148	153	155	155	155	155	155	155	155	154	154	153	153	
10	154	154	155	155	155	157	155	150	142	137	138	145	148	150	155	154	153	153	155	155	154	155	153	152	
11	153	153	153	153	153	154	150	147	142	130	121	129	137	145	150	153	151	153	155	153	153	153	152	148	
12	155	148	150	152	153	153	153	150	143	130	125	130	140	148	150	151	152	153	155	155	153	155	155	148	
13	154	154	154	155	155	155	154	151	145	134	133	140	148	155	158	159	160	163	155	164	164	160	160	154	
14	160	152	153	156	158	156	150	146	145	140	137	138	145	153	160	165	167	168	155	160	158	155	152	154	154
15	150	150	152	152	153	152	150	147	145	135	137	143	150	155	155	156	155	157	155	155	156	155	155	151	
16	155	153	155	155	158	158	154	152	145	139	135	139	145	148	152	154	155	155	155	156	155	153	153	151	
17	153	152	153	153	153	153	152	149	143	138	137	142	145	149	152	155	155	155	155	157	156	155	153	151	
18	152	153	153	153	152	153	150	146	142	135	138	143	144	147	150	155	155	157	155	156	157	153	150	150	
19	155	150	152	153	150	153	155	151	149	145	142	142	145	148	150	152	150	150	155	154	153	153	155	151	
20	154	149	150	152	151	151	150	147	148	140	137	141	147	150	154	157	160	159	155	156	155	155	155	151	
21	155	154	154	155	153	153	153	150	147	147	148	152	154	155	155	155	153	153	155	155	155	154	153	153	
22	151	153	148	150	152	152	148	147	146	143	143	148	148	148	150	150	150	152	155	154	153	150	150	150	
23	152	152	150	153	154	152	150	150	147	145	145	148	153	155	157	155	155	155	155	155	155	154	154	152	
24	154	154	155	155	155	155	153	150	148	142	143	150	150	148	149	150	150	151	155	153	153	153	152	151	151
25	151	150	150	150	152	150	148	147	139	133	132	137	143	145	148	150	149	150	155	151	152	152	150	153	147
26	152	150	150	153	154	150	150	147	142	132	134	136	142	143	148	150	150	150	155	152	153	150	147	149	147
27	148	148	150	150	150	150	150	143	140	140	139	143	145	150	152	155	153	155	155	155	156	155	155	150	
28	153	153	153	155	154	153	151	145	140	132	127	129	135	142	147	150	148	150	155	150	150	150	150	147	
29	150	150	151	151	150	148	145	145	141	137	135	137	137	139	145	146	148	150	155	150	150	149	148	148	146
30	150	150	150	150	150	150	149	147	143	138	137	137	137	137	138	143	149	150	155	150	147	153	157	151	147
31																									
С. днее/ по всем дням	152	151	152	153	153	153	151	147	144	139	137	141	146	149	152	154	154	155	155	155	154	154	153	153	150

Вариометр Эшенгагена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Терещук Проверил В. Клань

Ведомство АЖУСР

Широта 46°47' Долгота 30°53'

Среднемесячн. D = 1°61.0

10671 III

Обсерватория Одесская

Элемент Склонение

Месяц Май Год 1963

D = 1° + = 0

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.		
1	62.3	62.1	60.2	63.0	65.1	66.3	66.3	62.3	60.0	57.9	56.9	57.0	56.9	59.1	60.0	60.0	64.1	62.2	61.1	60.9	61.1	62.1	59.0	61.2	61.1
2	62.3	60.0	60.9	63.1	63.3	63.3	64.1	63.1	60.9	56.9	57.0	56.4	57.9	57.9	61.1	61.5	62.1	63.0	61.1	61.6	61.1	60.8	58.2	60.5	60.8
3	62.0	63.3	62.1	64.0	64.2	64.3	63.4	62.3	60.3	58.2	57.0	56.9	58.1	58.9	59.2	60.0	62.3	62.2	61.1	61.1	62.2	62.7	61.5	62.1	61.2
4	61.3	60.2	61.2	63.1	64.2	65.9	65.4	64.1	61.3	58.3	57.9	58.1	58.1	58.2	60.0	61.2	61.4	62.9	61.8	62.2	61.3	62.1	59.9	60.2	61.3
5	61.3	61.8	62.1	63.1	62.3	64.1	64.1	62.9	60.3	59.0	57.5	56.9	58.3	59.4	60.0	61.1	61.1	63.1	61.1	60.6	60.3	61.1	61.1	61.3	61.0
6	61.3	61.4	61.0	61.6	60.9	62.1	63.1	61.1	58.2	55.9	54.8	54.0	55.8	57.8	59.1	61.1	60.7	61.0	61.0	61.1	62.2	62.1	61.3	61.2	60.0
7	61.4	61.4	62.0	63.2	63.8	65.2	65.2	63.5	60.8	56.2	55.2	56.0	57.2	59.1	60.0	60.4	61.0	60.4	61.4	62.2	62.2	61.7	61.3	60.7	60.9
8	60.4	61.7	63.0	64.2	64.4	65.3	65.3	63.2	60.3	58.0	56.0	54.0	56.0	57.9	59.3	60.3	61.0	60.7	60.7	60.3	61.2	61.1	61.4	61.7	60.7
9	61.3	61.7	62.2	63.1	64.4	65.7	65.5	61.9	59.1	57.0	55.3	54.9	56.1	59.0	60.1	61.2	61.2	61.2	61.1	62.3	63.2	61.3	61.4	61.4	60.9
10	62.3	62.3	62.2	63.9	65.7	66.6	65.4	63.1	59.9	57.0	55.0	55.0	56.1	56.9	58.1	60.0	61.4	62.5	60.5	62.3	61.3	62.3	63.3	63.0	61.1
11	62.8	61.9	62.4	63.6	65.4	65.7	65.6	63.6	61.2	58.1	57.1	56.2	57.1	58.7	59.2	60.5	61.3	60.4	60.4	61.3	62.1	61.3	61.8	63.0	61.3
12	63.3	61.3	63.2	65.4	66.4	66.5	65.4	63.3	60.7	57.6	55.2	55.0	56.1	56.1	57.1	58.1	60.0	59.2	60.2	61.3	61.3	62.3	62.3	62.3	60.8
13	61.3	60.8	62.9	64.4	64.4	65.6	64.4	63.6	60.2	56.2	56.1	56.0	57.2	57.3	60.2	61.4	61.3	61.3	61.2	61.3	61.2	62.2	61.2	62.3	61.0
14	62.3	64.2	65.4	65.4	64.2	64.5	64.7	62.3	60.0	57.9	55.9	55.5	56.3	58.3	60.2	61.3	61.4	61.3	61.0	61.2	61.0	60.4	60.2	61.3	61.1
15	62.2	62.3	63.3	64.8	65.4	66.0	65.7	65.2	61.3	57.6	55.3	54.1	55.7	58.1	59.9	61.3	62.0	61.3	62.3	62.4	61.7	61.4	62.3	62.3	61.4
16	62.3	60.4	62.1	64.2	65.8	66.5	66.4	64.1	61.3	59.3	57.1	56.2	57.1	57.7	59.0	60.2	61.0	61.0	61.3	61.3	61.3	61.3	62.0	62.0	61.3
17	62.3	62.3	62.3	62.4	63.9	64.4	63.5	62.3	59.5	57.0	56.0	55.9	56.8	56.1	56.7	58.1	59.2	60.2	61.2	61.2	61.2	61.2	61.4	61.6	60.3
18	61.7	61.9	62.4	64.4	65.7	65.9	64.4	62.2	60.0	58.4	58.1	58.1	57.6	57.3	58.1	58.6	59.6	60.2	61.2	61.2	61.3	61.3	61.5	61.5	60.9
19	61.5	61.6	62.7	64.4	65.3	65.4	64.5	62.3	60.2	59.2	58.3	58.1	58.1	59.2	60.1	60.2	61.1	61.3	61.3	60.7	61.4	63.3	62.8	62.4	61.5
20	64.6	65.4	63.5	63.3	64.4	65.4	64.6	63.3	60.9	57.8	55.5	55.9	57.1	59.2	60.5	61.3	61.3	61.1	60.5	60.5	60.5	61.2	61.2	61.2	61.3
21	61.3	61.6	62.5	64.4	65.3	64.4	63.3	61.5	59.6	58.6	57.5	57.2	58.3	58.4	58.5	59.2	59.3	60.2	60.5	62.3	62.3	61.5	61.3	61.3	60.8
22	61.5	61.5	62.3	63.3	63.9	64.4	64.4	62.6	59.8	56.7	55.3	55.3	55.6	56.5	58.6	60.2	60.7	60.2	60.2	60.4	60.5	61.2	61.1	61.2	60.3
23	61.3	61.3	62.3	64.2	65.4	65.5	64.8	62.3	58.8	56.8	55.2	55.1	56.0	57.3	59.1	60.3	61.0	60.5	60.7	61.2	61.1	61.2	61.2	61.3	60.6
24	61.4	62.2	63.3	65.4	65.6	65.4	64.3	62.4	60.7	58.8	57.0	56.1	55.3	57.1	59.1	60.4	60.4	60.2	60.0	60.3	60.0	60.3	60.5	61.3	60.7
25	61.3	61.3	62.5	64.4	65.2	65.0	64.5	62.1	59.5	57.3	55.2	54.1	55.2	57.0	57.4	60.0	60.3	60.4	60.3	61.1	62.0	61.3	61.3	61.3	60.4
26	61.3	63.9	64.6	66.2	66.3	65.4	63.5	62.2	59.8	57.3	57.2	56.4	57.2	57.3	59.2	60.3	60.8	60.5	60.8	61.3	61.3	62.1	62.3	61.2	61.2
27	61.4	62.3	63.3	64.5	65.5	65.4	64.6	63.5	61.3	59.8	57.3	57.1	56.4	57.3	59.0	60.0	60.3	60.4	60.2	59.5	59.2	59.9	60.3	60.3	60.8
28	61.3	63.1	62.3	61.3	62.3	63.3	63.5	62.2	61.4	60.5	58.8	56.5	55.6	57.0	58.2	59.8	59.8	60.5	61.6	61.4	61.5	62.1	61.4	62.2	60.7
29	62.3	61.6	60.2	60.8	62.2	63.9	63.5	62.3	61.0	60.4	59.5	58.3	58.1	58.9	60.6	61.5	61.4	61.3	61.3	62.0	61.4	61.4	61.9	61.9	61.2
30	61.6	62.3	63.3	63.5	65.4	64.9	63.3	63.0	61.4	60.3	59.0	59.2	59.2	60.1	60.8	61.7	62.2	61.3	62.2	62.2	61.8	61.8	62.0	62.2	61.9
31	61.8	62.3	63.3	65.5	67.3	67.4	66.4	64.4	62.3	60.1	57.3	57.3	58.2	60.5	61.0	61.4	61.8	60.8	60.4	60.7	62.2	61.4	63.3	63.3	62.1
Среднее по всем дням	61.8	62.0	62.5	63.8	64.6	65.2	64.6	62.8	60.4	58.1	56.7	56.2	56.9	58.1	59.3	60.4	61.0	61.0	61.0	61.3	61.4	61.5	61.3	61.6	61.0

Вакуметр Эшенгагена Эдельмана

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановилась часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Яценко

Проверил В. Минд

Ведомство АНУССР

Среднемесячн. H = 21322'

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Май Год 1963

H = 21000 + 0

Дни	Время мирное																	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	316	323	318	326	305	310	309	291	287	289	297	315	309	306	316	302	295	307	308	312	313	318	317	309	
2	310	308	316	310	313	304	294	312	313	302	279	292	308	306	308	318	316	339	316	316	321	319	343	339	313
3	341	331	325	326	320	316	314	312	323	319	321	318	310	305	313	318	316	318	317	321	321	322	322	320	
4	312	313	319	310	308	290	279	268	266	276	301	311	311	308	303	304	307	324	319	313	314	317	322	322	305
5	327	312	317	312	310	309	299	296	304	310	322	329	319	317	317	320	317	328	322	322	324	322	320	320	316
6	320	318	317	314	302	302	297	292	296	309	322	322	318	315	315	315	315	318	322	324	330	322	320	319	314
7	322	322	322	320	317	312	304	307	315	326	333	335	329	325	322	324	322	324	328	328	329	324	325	330	323
8	334	329	326	326	318	308	300	296	282	298	315	328	323	320	323	321	322	323	331	335	330	345	336	329	321
9	326	331	331	334	329	321	289	295	305	308	314	325	314	313	318	316	316	323	327	326	323	320	319	333	319
10	318	322	323	328	313	305	292	285	303	313	323	334	334	324	318	313	308	332	323	332	334	327	334	324	319
11	323	329	320	311	301	298	295	300	305	307	308	313	300	318	327	318	322	323	326	325	339	326	325	336	316
12	321	329	328	326	316	300	283	277	284	307	321	318	314	318	308	316	324	334	331	328	337	329	321	323	316
13	331	336	341	336	313	295	305	291	295	294	302	292	296	298	305	315	313	316	328	334	325	328	330	328	314
14	336	328	323	318	319	318	294	298	298	300	308	311	316	316	318	313	313	316	323	321	318	329	331	324	316
15	323	321	323	321	318	305	300	304	311	319	325	329	322	318	318	313	318	318	324	323	318	320	318	315	318
16	317	317	322	319	313	306	306	306	309	316	319	322	322	319	319	321	319	323	326	325	323	323	322	322	318
17	322	322	323	324	322	316	314	316	323	330	335	326	324	329	324	319	322	323	333	328	329	329	326	324	324
18	324	327	329	324	319	314	316	319	329	338	337	335	337	332	330	327	332	330	332	332	330	328	328	328	328
19	330	331	333	336	331	328	325	325	333	340	345	345	336	325	328	322	324	328	324	333	324	317	315	322	329
20	321	320	319	327	330	323	318	313	310	317	328	333	328	320	320	323	328	331	333	333	333	333	333	333	325
21	331	328	331	330	321	320	316	320	332	343	352	348	341	339	337	333	333	339	336	341	331	330	333	333	333
22	333	333	336	336	328	320	313	308	313	327	346	351	348	343	338	333	331	333	333	333	335	335	335	335	332
23	335	335	338	337	328	323	317	312	312	322	343	354	354	348	334	334	331	335	336	338	338	336	335	335	334
24	336	336	338	336	333	325	315	309	310	325	338	341	342	333	331	331	335	341	343	336	338	336	335	335	334
25	347	352	349	352	349	339	329	334	342	346	357	355	339	339	321	326	336	337	339	341	340	335	336	336	341
26	342	344	339	339	329	320	314	310	308	316	326	332	334	331	327	321	326	327	333	334	334	334	326	333	328
27	332	330	333	332	326	319	314	311	316	327	334	333	334	334	339	341	329	331	339	342	357	355	349	349	334
28	350	347	341	339	344	334	328	308	303	302	308	308	312	315	316	319	329	329	334	334	334	332	337	334	327
29	334	332	332	324	334	326	301	301	308	308	317	324	326	321	318	321	322	324	332	332	329	326	326	326	322
30	328	326	319	319	314	298	291	308	311	314	316	321	326	321	321	321	320	320	327	327	328	323	321	321	318
31	324	326	326	323	316	308	306	311	313	324	334	332	329	319	316	318	323	332	339	337	334	328	332	328	324
Среднее по всем дням	328	328	328	326	321	313	306	304	308	315	323	327	324	322	321	321	321	327	329	329	329	328	329	329	322

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∩ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сагун

Проверил В. Шев

Ведомство АНУССР

Среднемесячн.  $\bar{Z} = 43149^*$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Май Год 1963

$\bar{Z} = 43000^*$

Дни	Время мирное																	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	152	155	154	142	149	150	147	147	147	145	142	145	147	152	159	158	157	162	158	157	157	156	152	149	152
2	150	152	151	153	151	150	147	146	142	136	137	147	156	156	160	162	157	157	153	155	154	153	155	147	151
3	147	147	151	152	151	150	147	140	135	134	138	140	145	150	152	155	152	155	155	154	153	152	152	147	148
4	149	149	148	150	152	147	150	145	144	149	150	150	152	152	153	155	157	159	155	154	155	155	152	152	151
5	148	148	152	150	154	150	147	143	142	136	134	137	140	146	149	152	152	153	154	152	152	152	152	152	148
6	153	153	153	151	151	149	144	140	141	140	142	143	148	151	153	155	153	153	153	153	153	151	152	152	149
7	153	153	153	153	152	153	152	146	145	143	139	143	146	148	149	152	151	151	151	151	152	152	151	153	150
8	151	148	150	153	153	151	151	151	151	148	148	149	148	150	156	155	152	151	153	151	151	153	148	148	151
9	150	151	151	153	149	144	139	143	146	145	143	148	150	153	156	155	153	153	153	151	151	153	153	151	150
10	148	151	151	150	148	148	141	135	136	130	134	142	148	152	154	156	157	158	153	154	149	150	148	148	148
11	148	148	146	148	149	148	148	143	137	135	135	140	146	151	154	154	156	153	153	153	153	151	151	148	148
12	148	151	148	150	148	147	143	138	134	135	138	143	146	151	153	156	156	155	154	154	153	150	148	151	148
13	153	148	146	145	146	148	148	143	143	138	140	143	153	156	158	160	155	153	155	153	148	151	148	147	149
14	148	144	148	151	153	151	151	153	148	148	148	148	143	146	151	151	151	153	154	153	153	153	151	148	150
15	149	152	154	154	157	157	152	144	141	136	136	144	151	154	156	154	154	152	152	152	153	152	152	152	150
16	152	154	152	152	152	151	149	144	142	141	139	141	140	144	149	152	152	151	151	151	151	152	151	151	148
17	151	152	154	154	151	151	152	147	144	139	136	135	136	146	149	151	151	151	154	152	151	151	151	150	148
18	151	152	154	153	151	152	154	154	147	139	136	138	142	146	146	145	149	148	149	149	149	149	149	149	148
19	150	150	150	150	147	143	143	142	138	137	134	133	136	137	142	143	146	149	149	150	150	150	151	148	144
20	146	149	151	154	150	150	146	142	146	146	146	146	146	149	150	151	151	151	151	151	149	149	149	149	149
21	150	151	152	152	151	150	149	145	144	141	139	136	137	142	142	144	145	147	150	149	149	150	151	150	146
22	150	149	151	151	151	152	152	150	147	139	135	136	141	147	150	148	147	147	145	150	149	149	148	149	147
23	150	150	152	153	151	150	150	144	135	132	132	135	137	140	145	145	146	148	148	148	148	148	148	148	145
24	148	148	151	151	148	146	142	139	135	135	133	133	138	140	145	148	148	148	146	146	146	146	146	146	144
25	147	149	149	151	147	142	136	128	121	121	125	128	131	151	151	152	151	150	149	149	147	148	149	149	143
26	150	143	145	147	143	145	149	150	143	144	148	147	145	147	152	155	155	152	151	150	150	148	148	150	148
27	149	150	154	155	150	149	149	149	145	143	145	146	145	146	151	155	152	151	153	151	153	150	151	149	150
28	147	147	152	152	144	144	144	140	141	147	144	139	144	147	153	154	155	152	152	152	152	152	152	152	148
29	150	152	155	149	149	145	142	147	147	142	139	139	149	157	158	158	156	155	155	155	153	152	152	153	150
30	154	153	156	156	153	153	158	153	145	140	140	146	150	153	160	159	154	153	154	154	153	153	153	153	152
31	154	154	156	156	152	152	149	144	140	142	144	145	148	152	157	157	156	154	154	153	153	153	153	153	151
Средн. по всем дням	150	150	151	151	150	149	147	144	142	140	139	141	145	149	152	153	152	152	152	152	151	151	151	150	149

Вариометр Эшенгагена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Тодман

Проверил В.Минин

Ведомство АЖУССР  
 Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. Q = 1°61.7

10671 III

Месяц Июнь Год 1963

Элемент Склощение

Q = 10 +

Время мирое ос	1																	19					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	31	
1	62.2	61.2	62.6	64.9	66.0	66.0	65.3	63.4	60.9	59.1	59.0	57.2	59.0	59.2	59.8	60.5	61.2	60.4	60.3	61.1	61.1	61.2	61.8	61.3	61.4	
2	61.0	61.3	62.8	64.3	65.2	65.1	64.3	62.3	61.2	59.9	58.0	58.0	59.1	59.7	60.4	61.2	61.2	61.1	61.2	62.3	61.2	61.1	61.2	61.2	61.4	
3	61.2	62.2	63.2	64.9	65.2	65.3	63.9	62.4	60.9	58.9	57.0	56.6	58.0	59.9	60.8	60.8	60.8	60.9	61.0	61.2	61.2	61.4	61.6	61.6	61.3	
4	61.9	62.1	62.3	64.3	66.0	66.3	65.1	62.6	60.1	58.9	58.3	58.3	58.8	59.8	60.8	61.4	61.8	61.8	61.2	61.0	61.2	61.2	61.2	61.6	61.6	
5	61.6	62.1	63.0	64.1	64.5	64.4	65.0	63.9	61.0	58.2	57.0	56.2	57.2	58.0	59.4	60.5	60.5	60.5	60.8	61.0	61.0	61.0	61.2	61.4	61.0	
6	61.5	61.5	62.7	64.3	64.5	64.0	64.2	63.4	61.2	58.0	55.7	54.8	55.4	57.0	57.9	58.0	57.9	57.0	57.4	61.4	61.4	65.3	66.6	67.0	69.4	61.1
7	73.0	72.6	68.4	66.4	66.0	68.3	70.1	67.0	62.0	59.0	56.0	54.6	54.9	56.6	60.0	61.1	63.2	62.7	64.0	63.2	62.1	62.2	60.1	62.2	63.2	
8	62.4	63.9	64.5	66.1	67.2	67.4	67.2	64.5	61.2	57.7	56.3	56.2	56.9	58.0	59.1	60.6	61.2	61.2	61.2	62.9	62.9	62.1	61.0	62.9	61.9	
9	64.4	63.2	64.3	65.5	67.1	67.4	67.3	65.3	62.4	59.8	56.9	56.6	56.8	57.1	59.2	60.9	62.0	62.2	61.9	62.0	61.8	61.8	61.8	61.8	62.1	
10	61.2	62.0	63.2	64.7	66.3	66.8	66.9	66.3	62.4	59.1	57.1	56.3	56.9	57.7	59.2	61.2	62.1	62.3	61.8	61.3	62.1	63.0	62.4	62.8	61.9	
11	62.7	62.3	63.2	65.1	67.2	66.4	66.0	65.3	62.8	59.2	56.8	55.8	56.2	57.9	59.9	60.8	61.0	62.2	62.3	61.4	61.2	61.3	60.9	61.4	61.6	
12	62.2	62.6	64.2	66.0	67.4	68.4	69.1	66.5	63.2	59.9	57.4	56.8	57.0	57.1	59.0	60.4	61.2	62.2	62.2	62.0	61.9	61.9	61.9	62.2	62.2	
13	62.3	62.8	62.6	64.2	66.2	66.8	67.2	65.3	61.8	59.1	57.1	56.0	56.0	58.2	59.3	60.1	60.8	61.0	61.0	61.2	61.3	61.3	61.3	61.3	61.4	
14	60.4	61.1	63.2	65.3	67.2	67.3	66.3	65.0	62.2	59.3	57.9	58.2	58.4	59.1	60.3	61.0	60.1	60.3	60.8	61.0	60.9	61.2	61.4	62.2	61.7	
15	62.0	62.0	63.0	65.0	67.1	67.4	65.2	64.2	62.2	61.0	60.3	59.1	59.1	59.1	59.3	60.8	60.9	61.1	61.2	62.2	63.2	64.1	62.2	62.2	62.2	
16	62.2	62.3	63.2	64.4	66.1	66.1	65.1	64.3	62.8	61.2	60.0	59.2	59.1	59.7	60.0	60.0	60.1	60.8	60.3	60.9	61.2	61.2	61.2	61.2	61.8	
17	61.4	62.4	63.2	65.5	66.4	66.2	65.0	63.1	61.2	58.9	57.6	56.1	56.0	57.0	59.1	60.9	62.1	63.2	63.2	63.2	62.3	62.0	62.1	62.6	61.7	
18	63.2	63.2	64.2	64.3	64.2	64.2	62.4	61.7	61.2	60.5	58.3	57.1	56.0	57.9	60.8	59.9	61.2	62.0	63.0	66.3	65.3	67.3	67.4	67.4	62.5	
19	66.5	65.1	65.3	65.2	66.2	66.5	65.2	63.2	61.4	60.1	59.1	59.0	58.0	59.2	59.9	60.3	60.1	59.3	61.1	62.6	61.2	62.9	62.1	62.2	62.2	
20	62.8	64.1	66.1	67.3	67.4	67.4	66.4	65.1	62.4	60.4	58.8	57.0	56.1	57.1	58.9	60.1	61.1	61.7	61.3	61.2	62.1	62.1	62.2	62.4	62.1	
21	61.3	62.3	64.1	65.1	65.6	65.4	65.3	63.3	60.8	59.1	58.1	56.4	57.2	58.3	59.4	60.2	60.4	60.4	60.4	60.4	61.2	61.3	61.3	61.4	61.2	
22	61.5	62.2	63.2	65.4	67.5	67.4	66.1	64.3	62.3	60.2	57.9	56.1	56.3	57.9	59.2	60.3	61.3	60.6	61.3	61.1	61.3	61.3	61.6	62.2	61.6	
23	62.3	62.4	63.3	65.3	65.6	65.4	65.4	63.5	61.3	59.4	58.4	58.1	57.3	58.3	60.2	60.5	61.0	60.5	60.3	60.6	61.3	61.3	61.3	61.5	61.4	
24	62.3	62.4	63.2	64.3	64.5	64.3	63.3	61.3	59.2	57.1	55.8	55.0	55.9	56.7	58.3	59.1	58.9	59.1	58.4	59.5	60.4	61.2	61.1	61.5	60.1	
25	63.2	62.3	63.3	64.6	65.4	64.3	63.5	61.4	61.3	59.7	59.1	59.0	58.7	59.0	60.3	59.2	59.2	59.4	59.2	59.2	63.3	66.4	64.4	66.4	61.7	
26	64.4	60.2	62.4	64.3	63.5	67.5	66.6	64.4	62.3	59.5	59.4	59.0	59.1	59.5	60.4	60.5	60.8	60.8	60.8	61.3	61.5	61.4	62.4	63.2	61.9	
27	63.3	63.3	62.4	62.4	63.3	63.5	64.4	64.7	62.1	60.1	58.0	57.5	58.0	57.5	58.6	60.1	60.6	60.3	60.6	62.1	62.4	62.1	61.8	60.6	61.2	
28	61.2	61.6	63.7	64.8	66.3	66.8	65.8	63.7	62.7	61.1	58.4	56.9	56.7	58.0	59.4	60.4	60.5	62.1	62.0	61.0	61.1	61.5	61.7	61.6	61.6	
29	61.1	61.6	62.7	64.6	65.8	66.3	65.8	64.7	62.1	60.0	58.0	57.0	57.8	58.0	59.5	60.5	61.3	62.2	63.0	62.1	61.5	61.3	61.6	60.7	61.6	
30	61.0	60.9	62.1	64.2	65.3	66.7	66.3	64.2	62.1	59.0	57.1	57.8	57.9	59.0	60.1	61.6	60.6	60.1	61.1	62.1	62.7	62.7	61.6	61.1	61.6	
31																										
Среднее по всем дням	62.6	62.6	63.5	64.9	65.9	66.2	65.7	64.0	61.7	59.4	57.8	57.1	57.4	58.2	59.6	60.4	60.8	61.0	61.1	61.6	61.9	62.2	62.0	62.4	61.7	

Вариометр Эшнхагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Логина

Проверил А. Логина



Ведомство АНУССР

Среднемесячн.  $\bar{H} = 21322^*$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Горизонтальная составляющая

Месяц Июнь Год 1963

$H = 21000 +$

Дни	Время мир. ое																	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	331	332	337	337	330	332	324	323	323	313	312	318	329	332	321	313	315	317	324	327	327	329	326	322	325
2	322	321	325	326	322	308	310	308	320	331	339	333	313	314	317	308	320	328	327	331	332	329	331	332	323
3	328	325	326	328	324	315	311	314	318	331	337	331	331	329	320	317	318	324	329	329	326	328	327	326	325
4	326	326	329	327	320	315	313	303	318	333	342	343	338	331	323	324	322	327	329	329	326	330	329	330	326
5	330	330	332	330	323	309	303	301	305	317	332	338	339	335	334	330	327	330	332	333	332	334	334	334	327
6	334	337	342	343	335	324	320	319	316	322	336	345	353	356	358	356	353	363	367	368	372	363	335	309	343
7	317	325	299	306	292	281	260	250	263	278	281	288	293	298	309	294	291	304	317	301	307	319	334	312	297
8	312	312	312	315	309	296	281	279	281	280	288	308	314	319	314	301	305	317	323	327	322	322	338	335	309
9	328	318	320	317	313	297	289	284	287	297	307	307	320	320	319	311	310	317	320	320	323	322	319	320	312
10	320	320	322	326	323	314	310	302	305	310	313	318	319	328	331	328	322	320	328	336	333	333	330	331	322
11	332	330	329	333	318	312	315	310	308	315	320	327	336	333	330	330	333	333	330	331	331	333	336	333	327
12	336	331	333	327	320	305	295	295	302	310	315	317	322	323	328	327	326	327	331	333	328	327	328	328	321
13	325	325	332	338	333	325	315	302	299	301	310	320	323	321	326	325	326	328	326	328	321	321	323	321	323
14	328	327	331	333	328	320	310	302	308	320	329	326	325	322	320	326	331	333	330	331	330	329	330	330	325
15	333	333	333	333	326	307	312	315	320	325	328	325	321	320	320	315	315	323	331	336	339	329	331	331	325
16	331	331	333	335	333	328	326	324	326	328	328	324	320	323	326	328	330	323	326	326	331	331	331	328	328
17	326	331	330	328	323	320	316	320	326	318	318	320	315	308	294	289	296	302	299	307	310	320	321	326	315
18	326	328	328	326	323	315	315	313	318	328	335	333	328	309	320	324	318	305	301	308	305	297	306	310	317
19	314	319	320	314	312	304	302	302	308	323	328	323	320	315	315	319	330	331	333	328	335	341	341	332	321
20	331	341	344	325	326	310	295	289	293	295	297	302	317	315	315	313	316	328	326	332	331	326	325	325	317
21	329	326	326	324	314	305	296	300	300	308	330	333	333	331	326	326	328	328	333	331	331	333	333	333	323
22	331	328	328	329	323	315	310	302	300	302	308	313	321	325	328	326	326	328	331	330	328	329	328	328	322
23	326	326	326	328	322	315	313	310	314	318	322	322	328	328	330	326	322	329	334	335	333	330	330	331	325
24	331	329	331	331	329	320	313	315	315	322	339	344	342	336	342	330	310	318	333	337	338	336	341	341	330
25	341	341	348	333	332	308	289	302	315	310	315	310	309	303	315	333	336	336	344	339	333	330	323	328	324
26	326	343	333	317	289	291	286	269	261	297	315	320	318	309	310	308	318	323	329	325	330	336	331	328	313
27	328	329	326	324	314	302	302	296	290	307	305	306	302	305	311	322	328	327	324	336	331	326	328	330	317
28	329	326	328	329	323	314	313	310	293	308	320	320	320	320	330	312	321	331	333	325	328	326	328	324	321
29	326	326	333	333	330	323	315	306	310	320	329	333	332	325	325	330	311	323	333	326	325	326	326	328	325
30	329	331	323	322	317	305	292	289	297	309	315	315	320	320	322	333	330	329	336	341	320	320	325	325	319
31																									
Среднее о всех днях	328	328	329	327	321	311	305	302	305	313	320	322	323	322	323	321	321	325	329	330	329	329	329	327	322

Вариометр Ишенигагена

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Ладенко

Проверил В. Мамон

Ведомство АНУССР

Среднемесячн.  $Z = 43156^r$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Июль Год 1963

$Z = 43000^{\circ} +$

Дни	Время м.г.о.с.																	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	153	155	155	155	153	155	153	151	147	144	144	144	147	153	153	153	155	156	157	157	157	157	153	155	153
2	155	156	157	159	159	154	150	147	148	141	143	144	147	159	163	162	161	160	158	157	155	155	155	155	154
3	155	155	157	157	153	152	153	153	148	144	141	141	145	153	157	157	153	153	157	155	155	155	153	153	152
4	153	155	157	157	157	157	157	153	149	147	141	138	142	150	156	157	157	157	153	153	153	153	153	153	152
5	153	153	157	157	157	151	148	144	141	138	139	141	144	148	151	153	152	152	152	151	151	151	152	152	150
6	152	153	157	157	153	151	151	150	144	141	141	139	144	147	152	155	153	152	153	153	150	150	149	150	150
7	157	148	150	148	147	150	149	148	141	141	144	150	157	166	176	178	176	174	170	166	167	167	163	156	158
8	160	162	164	164	164	166	165	163	164	160	157	157	160	165	169	167	166	166	164	164	163	163	161	153	163
9	151	157	160	157	157	157	160	157	153	153	154	153	160	163	166	166	165	163	162	162	160	160	160	160	159
10	160	160	162	163	163	160	157	152	147	146	146	147	153	157	157	160	161	162	163	163	160	160	160	160	157
11	160	160	160	160	157	160	160	157	154	153	150	142	144	150	160	163	163	160	158	160	160	160	158	157	157
12	157	157	160	160	160	160	159	157	154	152	150	153	155	156	160	163	163	160	163	160	160	160	160	160	158
13	159	160	160	157	160	157	152	147	142	141	147	148	150	150	157	157	157	157	157	157	159	159	157	157	154
14	157	157	157	158	156	153	153	153	150	149	149	150	150	153	160	165	160	157	158	158	157	157	157	157	155
15	157	157	157	157	150	153	157	157	156	147	147	142	141	150	160	161	163	160	160	160	160	157	160	157	155
16	157	157	160	160	161	161	157	150	144	147	144	144	147	154	160	162	160	159	157	157	158	157	157	157	155
17	157	157	160	160	157	157	157	155	152	150	152	154	164	170	174	177	180	177	175	172	170	169	162	162	163
18	162	164	164	164	159	155	158	154	153	153	149	154	155	158	169	172	172	172	173	172	166	166	166	163	162
19	163	166	167	166	159	160	163	158	150	150	150	150	152	153	160	163	163	166	166	166	167	166	163	160	160
20	157	157	150	150	151	145	144	145	143	143	138	138	144	153	163	166	165	164	163	163	160	160	161	161	154
21	162	160	163	163	159	161	160	157	145	145	153	153	153	151	157	160	160	160	160	160	160	160	160	158	158
22	159	160	160	160	154	150	147	144	142	143	141	141	145	153	158	160	160	160	160	160	158	158	157	157	154
23	157	159	160	159	157	153	147	153	157	153	150	145	147	153	161	160	157	157	157	157	157	157	157	157	155
24	157	157	160	157	154	157	157	157	150	146	145	145	144	147	158	160	160	160	160	160	158	158	160	157	155
25	158	161	161	158	158	154	157	154	148	146	154	151	148	151	158	167	165	161	161	161	158	157	158	154	157
26	154	154	148	151	152	155	155	152	151	155	157	160	157	158	163	165	165	165	165	165	164	164	163	158	158
27	160	159	160	160	160	158	151	142	139	140	142	146	152	159	163	163	164	163	163	163	157	158	158	160	156
28	157	157	157	160	157	154	156	154	154	156	151	148	148	154	164	165	168	167	163	161	160	161	160	160	158
29	160	160	162	160	157	155	155	154	156	156	154	154	154	154	159	167	163	166	166	163	163	163	160	161	159
30	160	157	158	160	157	154	156	154	154	156	151	149	157	159	163	164	163	163	163	163	157	156	160	160	159
31																									
Средн. по всем дням	157	158	159	158	157	156	155	152	149	148	147	147	150	155	161	163	162	162	161	160	159	159	158	157	156

Вариометр Эрельмана

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Лодкин

Проверил Э. Мант

Среднемесячн.  $\bar{D} = 1^{\circ}61.2$

Ведомство АНУССР

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Обсерватория Одесская

Элемент Склонение

Месяц Июль Год 1963

$\bar{D} = 1^{\circ} +$

Дни	Время мира ое																						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	61.0	62.5	62.1	63.0	64.0	64.3	64.0	62.1	60.9	58.9	57.8	58.0	58.7	58.9	59.9	61.0	61.0	60.7	60.9	60.9	61.7	61.7	61.7	61.1	
2	61.9	61.9	62.7	64.1	65.8	67.2	67.2	65.6	62.8	60.7	58.3	56.0	55.7	55.8	57.7	59.6	59.9	59.9	60.3	60.7	60.9	61.1	61.1	61.2	61.2
3	62.0	62.0	62.1	63.9	65.2	65.1	64.2	63.1	61.1	58.8	56.8	55.9	56.1	56.9	57.9	59.5	60.0	59.7	59.7	60.0	60.2	60.7	60.8	61.1	60.5
4	61.4	62.1	63.2	64.4	65.8	65.3	65.3	64.5	62.2	60.1	58.0	58.0	57.0	57.0	57.1	58.0	58.3	59.1	60.4	63.2	64.6	66.5	67.5	64.4	61.8
5	64.3	65.3	66.4	66.6	67.4	66.4	65.3	63.4	62.3	60.7	58.0	56.5	55.4	56.0	57.1	58.9	59.7	59.9	60.9	61.0	61.2	62.4	62.2	65.3	61.8
6	64.9	63.2	62.4	65.1	67.0	63.5	64.3	64.2	61.2	59.3	58.0	57.8	57.2	58.8	59.1	60.0	60.1	61.0	61.2	61.9	61.2	61.6	61.2	61.2	61.5
7	62.3	62.4	63.0	64.3	65.7	65.3	64.3	62.6	61.0	59.1	56.0	56.0	57.0	57.1	59.1	62.1	61.2	60.1	59.9	60.0	60.1	61.0	62.2	62.1	61.0
8	63.2	63.0	62.2	64.5	65.3	64.2	64.4	63.6	61.2	59.8	57.8	57.4	57.0	56.9	57.2	59.8	59.9	60.6	60.8	61.2	61.2	62.2	63.0	65.3	61.3
9	64.2	61.8	62.2	64.9	64.3	65.2	64.7	62.8	61.1	59.1	57.2	56.9	57.0	57.0	57.9	60.0	60.9	61.1	61.1	60.9	61.3	62.7	62.8	61.2	61.2
10	62.2	62.4	63.1	64.0	64.5	64.5	65.0	63.2	61.2	58.0	57.0	56.3	56.9	58.3	59.1	61.0	62.1	61.3	61.1	61.5	62.2	62.2	64.3	62.7	61.4
11	62.1	62.1	63.0	64.3	65.3	65.2	64.2	62.9	61.1	59.8	58.0	57.0	56.9	57.7	59.0	60.1	60.7	61.2	61.2	61.2	62.0	62.2	62.2	62.4	61.3
12	63.1	63.1	63.1	63.4	64.7	65.2	64.7	64.2	62.2	59.9	58.0	57.0	58.0	58.7	59.2	60.0	60.1	61.0	60.6	60.6	60.9	60.9	61.2	61.9	61.3
13	62.2	62.0	62.6	65.3	65.8	65.3	65.2	63.4	61.2	59.1	57.0	56.1	56.6	57.1	59.1	60.4	60.9	60.9	61.0	61.0	60.7	61.1	61.2	61.2	61.1
14	61.6	62.2	63.1	64.2	65.2	65.3	65.0	63.6	61.2	58.8	57.0	56.0	54.9	55.9	57.0	58.7	60.0	59.4	59.7	60.1	60.4	60.4	60.4	61.2	60.5
15	61.2	61.7	62.7	64.3	65.0	64.5	64.3	63.4	62.1	59.9	58.8	58.0	58.0	59.0	60.0	60.3	60.0	60.0	60.1	60.5	60.8	60.1	61.2	61.3	61.1
16	61.2	62.1	61.4	64.2	64.3	64.3	63.2	61.9	60.0	57.9	57.0	57.9	58.0	58.0	58.0	58.5	59.1	60.0	60.1	60.1	60.1	60.1	61.2	62.2	60.4
17	62.2	59.9	61.0	62.6	63.5	61.0	61.2	61.7	61.1	58.9	56.9	56.9	56.2	57.0	59.1	61.0	62.2	61.9	61.1	60.3	60.9	61.3	62.2	63.1	60.6
18	64.3	64.3	64.3	65.3	65.3	65.3	64.2	63.5	62.2	59.6	58.0	57.1	57.8	58.2	59.1	60.1	60.7	60.4	59.6	59.6	60.7	62.0	63.5	64.5	61.6
19	64.3	64.3	64.3	65.2	65.3	64.5	62.3	61.4	59.9	57.9	56.8	56.5	57.1	59.0	60.5	61.3	61.3	61.3	61.6	62.1	61.3	61.4	62.0	62.2	61.4
20	62.2	62.9	63.2	65.1	66.2	65.5	64.5	62.6	60.1	59.0	58.0	57.0	57.0	58.0	58.9	58.2	57.7	58.0	58.7	59.3	60.1	60.9	61.2	61.3	60.6
21	61.2	61.4	62.0	63.1	62.2	61.3	61.3	59.7	57.0	56.8	56.9	56.0	56.0	59.0	59.1	61.1	63.5	61.3	61.2	62.9	61.2	61.4	61.5	62.2	60.4
22	62.3	63.1	64.3	65.9	66.4	66.3	64.3	61.2	59.3	59.1	59.0	56.1	56.0	57.0	61.0	61.3	63.1	64.2	62.2	61.3	61.2	61.4	61.8	61.6	61.6
23	61.1	61.9	63.2	65.2	65.1	64.2	62.1	61.2	61.2	59.9	58.0	57.1	57.1	58.0	58.0	59.2	60.1	60.5	62.2	62.0	61.5	62.1	63.1	59.3	61.0
24	62.3	61.3	60.8	60.1	62.0	62.2	63.7	63.2	61.2	60.1	59.0	57.0	58.2	61.4	60.6	61.2	62.4	62.2	61.6	61.2	61.2	62.2	61.2	62.2	61.2
25	62.3	63.0	62.6	62.2	63.2	64.9	64.2	64.3	62.4	61.0	59.1	57.2	58.0	59.1	60.1	61.2	61.3	62.3	61.8	61.2	61.2	62.2	63.2	62.2	61.7
26	63.2	62.3	62.5	64.3	64.5	65.3	66.4	64.1	62.2	60.6	58.6	58.3	57.0	57.9	59.1	60.0	61.2	61.1	61.2	62.6	63.1	62.3	61.6	61.2	61.7
27	59.9	58.5	62.2	63.2	63.1	64.3	65.1	63.0	62.1	60.1	57.1	56.2	56.9	57.9	59.1	61.3	61.4	61.2	61.0	61.1	61.2	61.8	60.1	62.1	60.8
28	62.1	61.6	63.9	65.0	65.6	64.9	63.6	62.2	61.2	60.1	58.4	58.0	58.8	59.4	60.8	61.2	61.6	62.1	61.2	61.2	61.2	61.8	61.6	62.0	61.6
29	62.2	62.2	62.3	63.6	64.4	65.3	66.0	64.5	62.2	60.0	58.0	57.0	56.5	57.0	58.0	59.4	59.3	59.1	59.3	60.4	61.4	62.7	62.2	61.3	61.0
30	62.2	62.2	62.3	60.6	61.2	64.3	63.5	62.7	61.2	60.5	59.1	56.7	54.8	55.8	57.0	58.0	59.1	59.7	60.6	64.9	64.9	65.5	64.3	64.4	61.1
31	61.0	61.5	63.9	64.9	65.3	65.3	65.3	65.3	62.2	59.1	57.0	54.9	56.1	57.9	58.0	59.2	60.0	59.9	61.8	61.1	62.1	62.1	63.1	61.1	61.2
Средн. по всем дням	62.3	62.3	62.8	64.1	64.8	64.7	64.3	63.1	61.2	59.4	57.8	56.9	56.9	57.8	58.8	60.1	60.6	60.7	60.8	61.2	61.4	61.9	62.2	62.2	61.2

Вариометр Эмента гев

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитогаммы — ( ).

Обработал А. Сташев

Проверил Мельсон

Бедомство АНУССР

Широта 46°47' Долгота 30°53'

Среднемесячн. H = 21320'

Обсерватория Одесская

Элемент Горизонтальная составляющая

Месяц Июль Год 1963

H = 21000'

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	324	324	325	326	321	308	306	309	313	324	331	331	325	326	326	321	321	322	326	329	329	326	326	325	323
2	324	324	326	326	321	323	321	313	308	318	323	326	321	320	323	326	330	332	335	333	330	329	332	331	325
3	331	330	331	330	325	319	317	319	323	324	322	335	334	332	329	326	324	327	332	334	335	337	335	334	329
4	336	336	338	334	327	321	319	329	339	347	355	352	347	328	326	315	321	333	334	344	334	319	329	320	333
5	328	329	329	341	341	321	300	298	302	319	324	326	322	321	319	318	321	324	324	328	323	326	345	323	323
6	322	324	342	338	295	307	308	282	282	300	310	316	312	307	308	306	317	321	331	329	325	322	318	320	315
7	321	321	325	326	319	313	311	309	303	292	301	303	323	327	319	328	323	322	326	325	326	324	323	329	318
8	329	326	329	329	322	315	305	296	298	313	316	321	327	322	332	330	326	327	334	333	334	339	352	334	325
9	326	325	322	325	309	303	285	287	291	295	310	313	315	313	316	319	326	326	327	328	328	324	321	321	315
10	323	326	326	321	318	313	298	303	303	310	315	321	322	319	326	326	329	329	330	330	307	335	324	321	320
11	321	323	329	326	317	310	298	300	308	308	312	316	322	323	324	323	329	332	329	329	330	324	325	323	320
12	324	323	324	327	327	317	310	304	308	313	320	326	332	329	324	326	330	333	334	332	332	334	335	332	325
13	331	334	338	337	331	319	313	308	306	310	320	328	331	329	323	323	321	324	329	332	336	333	331	330	326
14	329	328	331	332	329	329	326	324	324	333	337	335	332	328	337	329	329	337	342	343	342	342	341	337	333
15	338	336	336	334	336	337	339	338	332	329	329	326	327	329	332	329	333	333	334	333	334	345	349	350	335
16	347	341	346	339	339	334	337	334	333	331	334	331	324	321	333	337	339	339	338	339	339	339	336	339	336
17	336	334	344	337	225	332	326	314	302	290	280	282	279	283	289	282	287	302	315	315	321	318	318	324	310
18	314	315	319	322	321	315	306	304	310	313	314	311	308	313	318	313	306	313	321	329	329	326	321	320	316
19	313	316	319	321	313	300	300	306	311	317	324	320	318	320	319	321	324	326	326	336	328	326	326	326	319
20	326	326	326	326	321	321	324	327	326	326	337	347	347	340	341	342	345	344	349	347	335	330	330	334	334
21	335	334	336	337	330	326	321	326	345	351	329	322	285	303	300	305	287	307	305	319	316	313	313	316	319
22	315	316	317	318	315	305	284	282	282	300	329	330	315	318	315	316	306	311	308	313	319	321	321	320	312
23	321	321	324	322	326	312	294	297	311	322	324	324	315	316	309	303	311	299	316	320	332	326	324	339	317
24	326	321	330	312	310	287	272	281	282	271	290	303	294	308	324	323	313	321	311	310	313	323	321	317	307
25	319	319	321	321	313	294	290	280	290	309	319	328	328	326	313	308	313	313	321	321	321	329	324	324	314
26	321	322	322	322	321	313	302	290	287	300	304	306	318	304	306	315	315	323	325	327	324	324	319	325	314
27	327	332	329	316	298	293	287	272	274	290	302	310	313	309	303	303	316	318	321	321	319	321	324	318	309
28	310	321	319	318	315	311	296	293	296	298	313	321	320	313	310	308	308	315	319	319	320	319	319	319	312
29	319	321	324	326	319	310	308	308	309	313	319	321	319	316	319	325	325	329	333	330	333	332	326	331	321
30	336	337	334	332	335	334	326	298	277	303	306	298	283	280	295	317	322	319	324	324	358	320	313	317	316
31	334	337	323	313	300	295	289	295	302	306	303	303	288	309	317	316	321	328	320	321	326	332	323	326	314
Среднее по всем дням	326	327	329	327	321	314	307	304	306	312	318	320	318	317	319	319	320	324	326	328	329	328	328	327	320

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитогаммы — ( ).

Обработал А.Тодуш

Проверил Шалов

Среднемесячн.  $\bar{Z} = 43156^{\circ}$

Ведомство АЖУССР

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Июль Год 1963

$\bar{Z} = 43000^{\circ}$

Дни	Время																	Средн. суточн.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23				
1	158	159	159	159	157	154	157	155	154	151	152	151	151	156	157	157	157	159	159	157	157	157	157	156		
2	158	159	160	161	156	155	152	150	147	145	148	148	147	152	157	158	158	155	155	156	156	156	156	154		
3	156	157	158	157	153	152	151	145	137	135	135	139	142	148	157	155	155	155	155	155	155	155	155	151		
4	156	157	159	160	156	154	146	143	146	141	144	137	146	146	154	156	158	160	163	161	154	154	156	158	153	
5	160	160	159	162	157	150	152	151	150	147	142	145	150	155	160	160	159	160	159	160	159	159	161	152	155	
6	157	161	162	153	153	158	149	146	148	152	153	152	153	156	163	165	166	163	164	161	161	161	160	161	157	
7	161	162	163	162	159	157	157	158	151	143	148	146	153	158	163	169	166	163	162	162	161	161	161	161	159	
8	158	161	163	163	161	163	161	158	155	155	152	150	152	155	162	166	166	164	163	161	162	160	158	151	159	
9	156	159	159	159	159	157	156	157	156	154	154	154	153	157	159	159	162	162	161	161	161	160	159	161	158	
10	160	159	161	161	160	159	159	160	161	159	152	147	149	154	162	163	163	160	162	161	161	161	159	156	157	159
11	159	161	162	163	164	162	159	158	159	157	154	152	154	152	159	163	162	161	161	161	160	159	159	159	159	159
12	159	159	161	162	159	157	160	159	154	156	153	151	147	154	157	160	162	161	161	161	160	159	159	159	158	158
13	157	159	161	159	154	149	150	151	151	151	149	145	149	151	159	161	161	158	159	159	159	157	157	157	155	
14	157	157	159	159	158	159	156	152	147	147	149	144	143	146	154	156	157	157	158	157	157	154	154	154	154	154
15	156	154	157	159	156	152	149	147	146	144	141	143	146	154	156	154	154	154	154	154	154	154	156	154	154	152
16	154	154	156	149	149	146	146	144	139	139	141	144	144	146	154	154	157	155	156	156	156	156	156	156	154	150
17	156	158	157	154	152	154	151	151	149	145	142	151	161	169	174	175	177	174	172	168	166	164	163	161	160	160
18	158	161	163	161	159	154	151	154	149	141	142	147	149	156	161	166	165	166	166	164	161	161	161	156	157	157
19	160	161	163	162	158	155	151	151	151	146	144	143	146	155	159	158	158	159	159	159	159	159	159	159	155	155
20	157	157	159	157	151	146	148	148	148	149	143	137	136	143	148	150	151	151	151	151	151	151	151	151	150	150
21	154	155	157	157	154	152	149	150	146	139	139	147	150	160	165	170	173	169	167	165	162	162	162	162	157	157
22	162	162	164	162	160	157	154	157	155	154	147	137	136	153	164	169	173	170	167	166	165	162	162	162	159	159
23	162	161	162	165	162	158	158	154	152	147	143	145	151	158	161	163	165	165	167	166	165	165	158	158	156	158
24	153	155	158	154	156	158	158	160	153	151	156	158	156	168	174	175	176	171	166	165	165	163	161	160	161	161
25	161	161	163	163	158	158	160	155	159	156	153	151	144	149	158	161	163	163	165	163	163	162	158	160	159	159
26	155	158	162	163	161	153	153	157	157	158	158	151	151	153	162	163	163	161	158	156	158	158	158	158	158	158
27	159	154	152	157	155	157	157	154	157	154	153	147	149	158	169	169	167	163	161	159	159	159	161	156	158	158
28	158	159	157	160	155	155	155	150	147	147	152	150	150	155	160	160	163	163	161	160	160	160	160	160	157	157
29	160	160	162	162	160	159	157	152	149	145	144	144	146	150	158	160	160	158	160	160	160	160	158	158	158	156
30	155	153	157	158	157	152	150	140	144	144	145	147	150	158	162	165	163	163	164	165	160	152	158	160	155	155
31	163	153	155	155	155	150	145	143	145	140	145	152	150	160	163	161	162	160	160	160	160	160	157	162	155	155
Среднее по всем дням	158	158	160	159	157	155	153	152	150	148	148	147	149	154	160	162	163	161	161	161	161	159	158	158	158	156

Вариометр Эмента

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\wedge$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Торина

Проверил Клеветин

Ведомство АНУССР

Среднемесячн.  $\bar{\Phi} = 1^{\circ} 61.2'$

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Склонение

Месяц Август Год 1963

$\Phi = 1^{\circ} +$

Дни	Время миро ое																						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	60.3	63.2	62.2	63.1	64.3	64.3	62.9	62.4	61.2	58.9	58.0	57.2	57.0	57.0	59.8	61.3	62.3	62.8	61.2	61.8	61.9	62.7	61.8	62.2	61.2	
2	62.2	61.4	62.3	64.0	65.2	65.0	63.0	61.9	61.0	59.9	59.1	58.0	57.5	57.7	59.1	61.0	60.6	60.1	61.3	62.2	63.1	62.4	62.2	60.5	61.3	
3	61.8	61.8	62.2	63.9	65.2	66.4	65.7	63.0	60.1	57.2	56.6	56.6	57.0	58.0	59.2	60.5	60.1	59.8	59.9	61.0	61.6	62.2	62.4	62.3	61.0	
4	61.2	62.2	64.0	64.3	65.1	65.2	64.2	61.2	58.9	56.4	54.9	55.1	57.0	60.1	61.3	62.2	62.3	61.1	60.1	61.2	64.0	63.0	62.9	62.2	61.3	
5	61.2	62.2	63.2	63.2	65.2	64.3	63.2	61.2	58.3	56.1	56.7	57.2	59.1	59.0	60.0	60.0	59.3	59.1	59.3	60.8	61.2	62.9	63.4	62.3	60.8	
6	63.4	63.4	63.4	64.1	63.2	64.2	63.5	61.4	59.1	57.7	57.0	57.2	57.0	57.7	59.2	61.2	62.1	63.4	61.2	60.9	61.2	61.3	61.8	62.2	61.1	
7	61.1	60.6	61.2	64.9	64.3	64.3	64.3	62.9	60.1	57.0	55.2	54.2	54.9	58.2	59.8	61.0	61.0	60.9	60.9	61.0	61.1	61.1	61.3	61.3	60.5	
8	61.2	61.2	62.8	64.3	65.0	65.6	64.3	62.4	60.1	57.7	56.0	54.9	55.1	56.1	58.2	60.1	61.2	61.0	61.0	61.0	61.0	61.2	61.2	61.2	60.6	
9	61.1	61.0	61.2	63.5	64.3	66.6	66.1	63.9	61.5	59.1	57.0	55.7	56.0	57.0	58.3	60.1	61.2	61.1	61.2	61.1	61.2	61.2	61.3	61.3	60.9	
10	61.9	62.2	62.5	64.3	66.2	66.4	64.4	62.3	60.1	58.0	66.1	55.7	56.8	57.1	57.5	63.2	60.8	60.1	60.3	60.1	60.5	60.5	60.9	60.9	61.2	
11	61.2	61.2	62.2	64.2	65.2	66.0	66.0	64.0	60.5	57.2	55.5	54.8	55.9	57.8	59.8	61.2	61.2	60.7	60.4	61.0	61.2	61.9	60.9	61.2	60.9	
12	61.4	61.4	62.2	64.2	65.3	66.0	65.2	63.0	59.9	57.2	55.8	55.5	56.6	58.3	59.7	61.2	60.6	60.8	61.0	61.0	61.0	61.3	61.2	61.2	60.9	
13	61.8	61.7	62.2	62.4	62.7	62.3	62.0	60.6	58.0	56.0	54.9	55.1	56.0	57.2	58.8	60.0	60.0	60.1	60.1	61.1	61.2	61.2	61.6	62.1	60.0	
14	62.7	62.2	62.3	64.3	64.3	64.0	63.5	62.1	60.5	59.2	58.0	58.0	59.0	59.9	60.1	60.1	59.2	59.8	60.0	60.1	60.8	60.8	61.1	61.2	61.0	
15	61.5	61.4	62.2	63.2	64.3	65.0	64.3	63.2	60.4	58.8	57.0	56.9	57.0	58.0	59.1	59.8	59.1	58.2	61.4	61.3	62.4	65.0	64.9	62.9	61.1	
16	62.4	62.6	62.3	64.0	65.0	65.2	63.4	61.2	59.2	57.3	56.2	56.8	57.5	58.3	59.3	60.3	60.3	61.1	60.5	61.2	61.0	61.4	61.4	61.4	60.8	
17	61.4	61.3	62.2	63.5	64.3	64.3	63.2	62.1	59.7	57.0	57.0	57.2	59.0	60.1	60.9	60.9	60.4	59.1	59.1	60.1	61.0	62.2	61.4	61.8	60.8	
18	62.2	61.8	61.4	62.6	63.4	62.4	61.8	59.9	58.0	55.4	55.6	57.1	55.9	56.0	60.8	61.4	61.6	60.6	61.2	61.2	61.8	64.2	62.2	62.2	60.4	
19	62.2	62.2	63.8	64.3	64.9	64.6	63.0	61.2	59.3	58.2	58.0	58.0	59.2	59.5	60.1	61.4	59.9	61.2	62.2	62.2	63.8	69.6	70.8	69.5	63.1	
20	67.0	61.2	56.0	62.2	64.8	64.3	61.9	61.0	60.3	59.1	59.1	58.0	63.1	61.8	62.2	63.0	65.3	62.5	62.2	62.2	62.2	63.0	62.8	62.1	61.9	
21	59.1	62.2	63.2	62.4	65.3	65.3	64.3	62.2	59.1	58.0	57.5	57.0	59.1	60.1	62.2	63.4	61.9	61.2	61.3	61.2	61.2	61.0	61.8	63.2	61.4	
22	63.1	63.1	63.2	64.3	65.3	66.0	64.5	62.4	60.1	57.2	56.1	57.0	58.3	60.1	62.2	62.3	62.2	62.2	61.2	61.0	61.2	62.2	62.2	62.0	61.6	
23	63.2	64.4	61.5	62.3	64.2	64.3	62.2	61.2	60.1	59.1	58.0	58.2	59.1	60.1	62.2	63.0	62.3	61.4	61.2	61.7	61.7	62.2	62.2	62.2	61.6	
24	62.4	60.3	63.2	65.3	65.3	66.3	65.0	63.4	61.2	60.3	59.1	58.5	58.0	58.8	61.1	62.2	61.7	61.3	62.2	62.3	62.2	61.3	62.2	62.2	61.9	
25	62.5	62.7	63.2	64.3	65.3	64.6	64.0	62.2	60.1	58.0	57.0	57.0	57.0	58.0	59.1	59.2	59.2	59.2	60.3	61.2	62.4	62.4	62.4	62.2	61.0	
26	63.2	61.3	63.4	64.3	65.3	65.3	64.3	62.2	60.1	57.1	56.0	56.2	57.0	57.2	58.0	59.2	60.1	60.1	62.8	61.2	61.0	61.3	62.0	62.2	60.9	
27	63.2	63.2	63.5	64.4	65.1	65.3	64.3	62.2	60.1	57.9	56.1	56.1	57.5	59.0	59.1	61.2	62.2	62.2	62.8	62.8	62.2	60.1	63.2	63.4	62.8	61.5
28	63.2	63.2	64.0	64.9	65.5	64.6	63.2	62.0	59.8	57.8	57.0	58.0	58.3	59.7	60.8	61.2	61.0	63.5	60.9	64.5	60.1	63.6	63.2	62.4	61.9	
29	63.2	63.2	62.7	64.3	65.3	66.3	65.0	61.2	57.8	56.1	65.6	65.3	58.0	59.1	60.1	60.8	60.1	60.1	60.9	63.1	61.9	61.8	62.3	63.2	62.0	
30	62.3	63.2	64.2	64.5	65.3	65.1	64.0	62.3	60.4	58.2	57.1	57.0	58.3	59.8	61.2	62.2	64.2	61.8	62.0	64.0	62.2	62.0	62.0	61.2	61.9	
31	61.0	62.2	63.2	64.4	65.3	65.3	64.3	62.2	60.8	58.0	57.2	57.6	57.2	59.2	61.6	63.2	67.4	64.8	60.6	60.3	61.2	61.3	62.2	59.2	61.7	
Средн. по всем дням	62.1	62.1	62.5	63.9	64.8	65.0	63.9	62.1	59.9	57.8	57.4	57.0	57.6	58.6	60.0	61.2	61.3	61.0	61.4	61.6	61.7	62.3	62.4	62.1	61.2	

Вариометр Эшнхагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∟ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Тарасов

Проверил Шабалин

Ведомство АНУССР

Среднемесячн. H = 21313

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Август Год 1963

H = 21000 + \_\_\_\_\_ = \_\_\_\_\_

Дни	Время милл.°се																	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	326	319	316	324	318	302	303	300	306	316	316	317	308	303	298	302	306	317	321	326	326	330	320	320	314
2	318	316	313	316	305	284	264	286	297	306	311	319	316	313	311	311	321	326	331	332	340	322	317	321	312
3	325	322	316	307	304	296	290	286	293	309	322	330	335	327	322	319	322	325	327	330	336	325	322	314	317
4	319	320	320	315	309	299	288	278	291	301	314	312	309	295	309	298	304	317	322	322	327	318	314	322	309
5	330	319	317	314	299	294	292	291	296	296	315	314	321	332	327	323	318	319	324	324	335	331	327	321	316
6	318	319	317	321	306	292	292	302	313	321	326	326	330	321	315	310	320	328	327	323	327	341	330	323	319
7	324	324	329	316	316	307	298	289	285	290	307	322	327	319	322	315	318	323	329	327	327	326	325	327	316
8	329	324	329	322	316	303	298	293	286	299	316	329	333	329	321	314	314	321	327	329	329	332	332	329	319
9	327	337	337	326	309	299	290	291	290	298	309	313	307	305	310	316	318	323	324	328	327	335	335	337	316
10	330	331	336	335	327	310	294	283	286	300	316	320	320	313	317	310	312	319	320	327	327	328	328	328	317
11	328	328	328	328	323	312	304	299	302	310	317	321	323	323	320	316	315	317	319	324	323	330	328	325	319
12	325	326	327	328	325	307	294	289	297	307	317	325	326	328	333	325	328	329	330	328	335	330	325	325	321
13	325	325	325	327	321	312	306	304	315	324	328	327	323	323	325	328	328	331	332	333	329	325	325	327	324
14	325	326	331	329	324	315	307	300	303	313	326	334	337	334	331	334	334	333	338	339	339	339	339	338	328
15	338	339	340	338	334	330	325	316	318	326	336	338	345	336	338	340	335	332	336	332	319	333	327	327	332
16	330	327	324	325	319	314	309	309	312	319	329	332	333	332	330	327	327	327	328	328	327	326	322	323	324
17	325	335	337	335	326	312	303	303	309	318	319	332	332	327	327	328	332	335	340	332	340	329	331	324	326
18	322	322	319	325	324	309	296	301	306	312	309	304	314	267	252	291	303	312	316	316	318	325	332	316	309
19	315	314	312	311	304	300	298	298	301	309	314	317	316	314	312	314	314	317	314	309	302	306	288	309	309
20	324	286	299	316	288	249	239	234	260	262	273	264	275	280	280	280	304	291	293	298	306	319	314	306	285
21	314	314	298	301	293	293	283	250	260	267	293	304	296	293	283	304	304	307	309	306	310	314	310	307	296
22	303	304	304	306	304	299	291	278	278	306	314	317	319	311	304	301	301	314	317	319	314	308	312	324	306
23	321	327	319	306	285	280	266	275	270	267	259	254	259	263	279	300	301	301	304	304	305	306	309	311	290
24	311	319	319	307	303	295	288	278	271	271	282	293	298	298	293	300	309	310	311	311	317	322	319	322	302
25	322	319	311	308	300	295	293	296	305	313	322	320	323	321	319	322	324	324	325	327	330	332	324	324	317
26	314	319	319	318	311	296	293	301	308	309	317	317	317	319	318	314	317	324	323	323	322	320	325	329	316
27	326	322	321	317	315	306	300	300	311	319	325	321	319	316	311	310	319	317	314	304	341	318	314	319	316
28	311	313	316	317	308	303	293	297	307	306	280	271	283	297	306	309	314	323	351	317	325	331	318	306	308
29	309	309	309	311	301	294	289	286	285	279	288	311	310	317	298	308	313	319	319	316	320	324	314	318	306
30	318	317	315	312	307	300	298	297	303	312	320	316	318	312	309	310	310	318	319	328	325	318	320	326	314
31	326	319	309	309	308	298	280	279	293	306	316	322	319	300	286	289	334	316	311	318	319	319	324	334	310
С. дансе по всем дням	322	321	320	318	311	300	292	290	295	303	311	314	316	312	310	312	317	320	323	322	325	325	322	322	313

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Гадина

Проверил И. А. Сидоров

Ведомство АНУССР

Среднемесячн.  $\bar{Z} = 43160^{\circ}$

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Вертикальная составляющая

Месяц Август Год 1963

$\bar{Z} = 43000^{\circ} + \dots = \dots$

Время мирое ос. 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	153	155	160	159	157	160	159	151	148	152	155	155	150	152	160	169	172	169	166	166	161		160	158	160
2	160	160	162	163	160	157	157	153	144	145	150	147	150	155	160	160	161	160	160	161	160	157	158	157	157	
3	154	157	158	160	157	157	157	150	141	137	141	141	144	148	157	158	152	158	164	163	161	161	161	160	154	
4	163	159	160	160	160	157	153	148	147	144	144	150	157	163	172	169	169	166	164	163	161	161	161	163	159	
5	160	157	162	163	157	158	156	150	145	147	150	147	153	157	160	161	160	163	163	163	162	157	157	160	157	
6	160	162	163	163	160	160	157	157	157	155	155	154	156	158	162	163	163	163	164	163	163	163	157	158	160	
7	160	159	157	157	163	166	166	169	165	163	163	159	153	156	162	162	161	161	162	161	160	160	160	161	161	
8	160	160	161	162	163	163	163	163	157	153	147	148	157	160	160	163	163	163	162	162	160	160	160	160	160	
9	160	162	161	161	163	160	158	159	157	157	157	158	157	157	160	163	163	163	163	163	163	163	162	160	160	
10	160	160	163	163	162	160	157	157	155	155	155	155	157	160	165	166	163	163	163	163	163	163	163	163	161	
11	161	161	163	163	163	163	162	157	153	150	149	150	153	156	160	163	160	160	163	163	163	163	160	160	159	
12	160	160	163	164	163	161	160	160	157	157	157	156	157	157	159	157	157	157	159	159	160	157	159	159	159	
13	160	160	160	160	158	157	153	147	141	141	141	147	153	157	160	160	157	157	158	158	158	158	159	159	155	
14	160	160	160	160	160	158	153	153	153	153	155	153	154	153	153	156	157	157	159	157	157	157	157	157	156	
15	157	157	157	156	153	153	153	154	153	144	145	145	146	147	147	150	150	154	157	157	157	157	159	157	153	
16	159	158	160	160	157	154	150	150	150	150	153	157	153	156	158	159	159	160	160	160	160	160	160	160	157	
17	160	160	160	160	159	160	157	150	147	147	147	150	153	155	157	157	157	157	160	158	160	157	157	157	156	
18	159	159	162	162	156	152	149	149	152	153	146	144	156	162	178	179	175	171	168	168	167	165	162	162	161	
19	164	162	164	164	163	161	161	158	156	155	158	161	158	161	161	163	161	164	167	161	162	161	158	158	161	
20	153	153	160	150	154	149	150	147	152	155	160	163	173	176	173	173	178	173	173	173	173	169	166	166	163	
21	162	159	160	165	162	162	164	160	165	166	168	172	172	172	172	176	172	169	168	168	167	167	164	162	166	
22	164	166	167	168	168	166	164	167	168	167	162	158	158	157	161	164	164	166	164	164	164	164	166	161	164	
23	160	158	161	158	161	164	167	167	164	167	164	157	161	170	174	177	173	171	171	170	168	168	168	168	166	
24	166	164	161	161	164	164	164	166	164	164	161	158	161	163	167	168	167	167	165	165	167	167	164	164	164	
25	164	164	164	164	164	167	167	161	158	153	151	149	152	152	158	158	158	161	161	161	161	161	159	161	160	
26	159	161	161	161	160	161	161	158	152	149	148	148	152	153	158	158	161	161	161	161	161	161	161	161	158	
27	158	158	161	161	161	160	160	158	152	145	142	148	151	155	161	161	164	164	165	168	167	167	164	164	158	
28	161	163	164	161	161	162	162	163	157	152	155	163	171	165	167	168	167	167	166	166	164	164	164	164	162	
29	160	161	161	163	161	161	161	161	155	155	158	164	164	171	167	167	164	164	164	164	164	164	163	161	163	162
30	164	162	163	164	161	161	161	158	158	157	152	152	158	158	161	161	164	166	164	164	165	161	163	164	161	
31	158	158	160	161	160	157	155	155	153	152	151	153	158	161	170	174	175	167	167	165	164	164	162	162	161	
Среднее по всем дням	160	160	161	161	160	160	159	157	154	153	153	154	156	159	163	164	164	163	163	163	163	161	160	161	160	

Вариометр Зейделя

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∟ — линии точности отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сидоров

Проверил И. Сидоров



Среднемесячн.  $\bar{\theta} = 1^{\circ}62'3$

Ведомство АНУССР

Обсерватория Одесская

Широта  $46^{\circ}47'$  Долгота  $30^{\circ}53'$

Элемент Склонение.

Месяц Сентябрь Год 1963

$\theta = 1^{\circ} +$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	61.2	63.4	64.3	65.0	65.3	65.3	63.2	60.1	57.0	56.0	56.9	57.3	57.6	60.4	60.1	61.0	61.2	61.2	61.3	62.1	62.2	62.0	62.0	61.3	61.1
2	62.2	62.2	63.2	64.0	64.3	64.7	64.0	62.2	59.2	57.7	57.8	58.9	59.9	61.1	61.2	61.0	60.4	60.4	61.2	62.2	61.1	61.3	61.8	62.2	61.4
3	63.2	63.1	63.2	64.0	64.3	64.3	63.2	61.0	58.0	56.0	56.0	56.7	58.0	59.9	62.4	62.2	61.1	61.2	61.1	61.1	62.2	62.2	62.2	62.2	61.2
4	62.2	62.4	63.2	64.0	64.3	64.4	63.2	61.2	59.8	57.8	57.0	57.8	59.0	59.8	60.1	60.6	60.9	61.1	61.2	61.3	61.3	63.0	64.1	65.3	61.5
5	63.2	62.2	63.4	64.0	64.4	64.4	63.0	60.1	58.0	56.8	56.8	58.0	58.4	58.9	58.4	59.1	59.0	59.8	60.5	61.2	62.0	62.8	62.1	61.0	60.8
6	62.9	64.2	64.2	65.0	65.3	65.1	63.4	61.2	59.9	58.0	57.0	58.0	59.1	60.0	60.4	61.1	61.2	61.2	61.3	61.4	62.0	62.0	61.2	61.8	61.6
7	62.2	62.2	62.2	63.1	64.1	64.1	63.0	61.9	60.0	58.7	57.5	57.0	57.9	59.0	59.9	60.0	59.9	60.0	60.0	60.3	61.2	62.0	63.0	62.2	60.9
8	62.3	62.2	62.1	63.0	66.0	67.4	64.2	62.8	61.0	58.8	55.9	54.8	55.1	57.9	59.2	61.1	61.7	62.0	62.0	62.0	62.1	62.1	62.1	62.1	61.2
9	62.0	62.1	61.7	61.2	63.1	66.1	65.1	63.0	59.0	56.9	55.9	55.9	56.9	59.8	61.2	60.8	60.2	60.4	61.0	61.2	62.3	62.8	62.8	62.7	61.0
10	62.8	62.8	63.0	63.0	64.2	65.1	64.1	62.1	60.2	59.0	57.0	56.9	57.8	58.9	59.1	60.0	60.0	60.0	60.8	61.1	61.1	62.0	62.8	63.3	61.1
11	63.1	61.2	63.9	63.1	64.2	65.2	65.2	64.2	61.7	59.7	55.9	56.9	59.0	59.1	61.1	61.1	62.1	65.2	64.0	65.1	64.2	63.1	62.1	62.1	62.2
12	62.1	61.1	62.0	63.9	64.5	65.2	64.2	62.1	60.9	58.3	56.8	56.9	57.8	60.7	61.2	60.9	60.9	62.1	61.1	61.9	62.1	62.1	62.1	62.1	61.4
13	62.1	62.1	62.5	62.5	63.1	63.1	63.1	62.5	60.3	58.2	56.9	56.1	57.4	59.0	59.8	59.9	59.8	60.0	60.0	60.0	61.1	63.3	61.3	61.2	60.6
14	61.1	62.1	62.0	63.3	61.1	60.8	59.0	64.0	63.0	55.2	56.1	55.6	54.8	56.5	62.1	64.8	71.5	65.2	66.6	64.4	63.4	62.0	63.1	63.5	61.7
15	64.0	62.7	63.8	65.2	66.0	66.0	65.1	62.6	61.1	59.0	56.9	59.0	60.3	61.2	61.0	62.1	64.0	65.2	66.4	66.5	65.0	66.3	66.2	63.9	63.3
16	64.3	64.1	64.1	63.1	64.0	63.9	64.6	64.1	62.8	61.0	59.4	61.0	61.0	60.9	63.1	68.0	64.2	62.1	64.2	65.5	64.1	64.1	64.4	63.0	63.4
17	64.0	63.0	62.2	62.2	63.1	64.4	62.8	61.0	60.0	60.0	59.8	61.1	61.0	61.1	62.1	65.2	62.4	63.8	68.3	64.2	63.1	63.1	62.7	62.1	62.6
18	63.6	64.2	64.1	64.0	64.9	65.2	65.1	62.8	61.0	59.0	56.9	57.5	59.0	60.0	61.2	63.0	66.9	65.2	63.1	62.8	62.9	62.2	62.2	61.1	62.4
19	60.4	62.9	62.9	62.9	62.5	64.1	62.9	63.1	61.1	57.7	56.9	57.9	61.0	60.3	63.0	65.1	65.4	67.9	66.1	64.2	64.5	62.8	62.1	62.1	62.5
20	61.6	60.0	62.0	63.1	64.2	64.8	63.3	62.1	59.8	57.5	56.9	56.9	58.2	60.0	64.2	64.2	62.2	60.0	61.8	62.8	64.2	65.4	66.1	67.3	62.1
21	66.0	65.2	64.9	64.4	64.0	65.0	64.9	63.9	60.2	58.9	56.9	57.7	59.0	59.8	60.0	62.0	61.1	67.5	69.2	61.1	66.3	65.0	62.0	63.4	62.8
22	64.8	65.4	66.4	66.0	57.6	50.4	60.3	62.1	60.2	63.3	61.7	60.2	60.0	61.1	63.0	64.8	63.3	63.3	64.3	67.2	71.3	72.3	68.0	70.0	63.6
23	82.9	78.7	76.7	64.2	70.4	66.4	67.4	67.0	65.0	62.1	60.3	60.9	61.1	63.4	64.3	64.0	65.0	63.1	62.8	63.0	63.1	64.0	64.1	64.1	66.0
24	64.3	64.9	65.2	65.2	66.3	67.1	67.1	66.0	64.2	62.3	60.2	59.0	58.9	60.0	61.1	62.1	63.1	63.1	63.4	68.1	69.1	69.5	72.5	72.5	64.8
25	74.6	69.4	65.2	63.8	66.3	66.2	66.0	65.2	65.2	60.8	59.7	58.8	58.2	60.3	62.7	66.2	65.2	64.6	62.9	62.1	61.2	62.7	64.0	63.3	63.9
26	63.1	63.1	63.9	63.0	57.7	58.1	63.4	66.5	63.1	60.0	58.8	59.0	60.0	61.1	61.3	62.2	65.2	66.4	63.8	62.1	62.1	63.3	65.2	64.2	62.4
27	65.2	64.4	64.0	62.8	64.0	65.1	65.2	64.2	62.0	60.0	58.9	57.9	58.9	60.8	62.1	61.1	61.9	62.8	62.1	63.1	70.2	65.4	67.0	66.3	63.1
28	68.3	67.3	65.0	61.1	64.2	60.9	61.0	62.1	62.1	61.1	59.2	59.0	60.0	67.5	66.8	69.5	64.9	64.9	62.1	65.2	62.0	65.7	60.8	61.2	63.4
29	64.0	63.6	63.1	63.1	63.6	64.7	65.0	65.0	64.9	62.1	61.1	59.0	60.7	59.7	60.0	62.1	61.4	63.0	62.9	64.5	64.2	62.1	62.9	62.8	62.7
30	-	-	-	-	63.4	63.9	64.4	64.2	62.2	61.1	60.3	60.0	60.0	60.8	60.8	61.3	61.2	61.3	61.4	62.0	62.0	62.3	62.2	62.1	61.8
31																									
Среднее по всем дням	64.3	63.9	63.9	63.6	64.0	64.0	63.9	63.0	61.1	59.1	57.9	58.1	58.9	60.3	61.4	62.5	62.6	62.9	62.9	63.0	63.5	63.6	63.5	63.4	62.3

Вариометр Ишечгагеча

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановились часы;  $\bar{\Delta}$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Тодина

Проверил М.А.Сели

Ведомство АНУССР

Среднемесячн. H = 21297<sup>8</sup>

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Сентябрь Год 1963

H = 21000 + 0 = 0

Дни	Время мирое ое																	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	324	314	311	302	301	295	285	284	281	275	293	318	311	310	324	319	306	315	317	315	314	313	314	307	
2	317	315	312	309	303	297	291	294	306	314	320	323	325	323	320	319	317	320	321	326	333	343	333	325	317
3	320	325	323	320	315	307	294	287	297	307	318	326	330	325	319	319	317	315	317	315	324	345	312	315	315
4	316	317	315	313	303	298	294	293	298	309	323	329	326	325	321	323	323	324	326	326	332	325	326	313	317
5	314	318	316	313	307	299	291	295	304	313	324	328	338	334	331	328	324	322	324	327	322	328	329	330	319
6	335	326	317	318	317	311	297	292	295	305	309	313	315	314	317	316	313	320	324	324	325	330	332	330	316
7	321	321	321	321	317	313	302	296	299	308	314	322	327	329	328	327	327	328	333	335	335	341	331	328	322
8	325	322	325	325	322	311	311	301	304	314	313	299	276	288	309	313	311	307	311	311	313	314	316	316	311
9	322	322	320	321	313	297	297	291	296	302	315	316	313	295	295	313	317	321	322	321	320	325	316	316	312
10	317	321	321	318	315	310	305	294	294	306	315	316	317	319	324	327	324	324	328	327	327	329	335	323	318
11	312	318	317	316	315	306	295	292	297	289	301	306	315	317	310	315	304	303	310	329	309	306	320	314	309
12	320	315	318	307	308	291	286	288	286	305	309	317	322	313	314	315	315	318	320	318	317	327	315	313	311
13	315	315	312	312	307	301	295	295	308	317	319	324	328	328	328	324	327	331	333	335	334	329	328	326	310
14	338	321	322	322	312	328	304	248	239	253	244	253	211	210	187	210	243	255	272	302	282	287	291	286	272
15	287	287	287	286	280	253	251	264	276	280	287	275	279	259	281	287	302	313	290	307	295	292	299	292	284
16	290	296	295	287	283	287	271	259	267	278	281	262	273	288	285	305	293	296	310	337	295	302	313	302	290
17	320	293	298	298	285	276	242	237	251	246	246	254	274	269	277	281	286	291	335	293	289	294	299	300	281
18	295	291	289	294	295	291	285	282	279	288	303	291	294	290	293	280	303	280	283	291	294	297	300	307	291
19	311	300	297	306	295	293	289	273	275	280	262	266	286	286	266	261	268	280	293	287	311	301	298	298	287
20	299	308	305	303	299	283	277	277	278	281	288	296	303	297	279	277	280	286	303	303	302	297	296	296	292
21	300	300	307	297	293	291	277	272	286	292	302	308	306	306	319	283	283	248	266	294	294	294	308	308	293
22	305	302	311	308	288	214	226	217	212	261	262	251	263	252	260	265	289	279	317	332	320	297	274	234	272
23	277	206	274	303	211	194	194	184	192	197	216	241	253	263	260	254	263	275	283	286	282	276	269	269	247
24	268	268	267	264	268	269	262	260	260	257	269	276	277	276	278	280	276	282	279	279	268	280	283	317	273
25	280	273	348	311	267	257	240	227	218	228	246	260	262	263	263	263	280	300	291	303	308	299	289	288	274
26	288	287	288	292	277	291	286	290	281	280	271	269	272	274	285	291	294	325	289	290	299	300	302	300	288
27	289	285	284	289	294	293	291	286	282	281	290	296	295	289	292	294	301	304	307	332	367	299	316	346	300
28	289	284	279	298	281	287	280	273	266	275	281	277	263	261	263	287	281	280	320	296	307	301	288	294	284
29	293	284	289	285	287	287	286	277	271	281	272	278	277	286	281	298	300	292	319	303	298	307	315	307	291
30	304	309	311	302	304	306	292	288	296	298	296	304	301	301	299	298	304	307	307	307	306	304	304	306	302
31																									
Среднее по всем дням	306	301	306	305	295	288	280	274	276	284	290	293	294	293	294	296	299	301	308	312	311	308	308	307	297

Вариометр Эшнгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал И. Стадиной

Проверил И. Шевкин

Ведомство АНУССР

Среднемесячн.  $\bar{Z} = 43166^+$

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Вертикальная составляющая

Месяц Сентябрь Год 1963

$Z_0 = 43000^+$

Дни	Время миро ое																						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	155	155	160	160	161	158	155	152	152	158	160	161	159	160	161	161	161	164	164	164	164	164	162	160	
2	160	160	161	160	161	161	161	158	158	155	153	153	153	154	158	158	158	160	161	161	158	155	155	158	
3	158	158	158	158	160	158	156	158	158	158	158	161	161	158	161	161	161	161	161	162	161	161	162	160	
4	161	161	161	161	158	158	155	155	155	155	155	153	153	153	155	155	157	158	158	158	160	158	158	157	
5	161	161	158	161	161	158	155	155	152	153	155	152	153	152	155	155	158	158	159	161	161	159	159	158	157
6	155	152	158	158	158	155	152	152	148	148	148	152	158	156	157	157	158	161	161	159	161	161	158	156	156
7	158	158	160	158	158	155	154	154	155	155	155	155	152	152	154	155	155	158	158	158	157	155	155	156	156
8	158	158	160	158	158	157	158	155	155	155	153	152	158	161	165	164	164	164	164	164	164	164	163	160	160
9	161	161	164	161	161	161	161	155	148	147	152	153	155	161	167	164	161	162	162	162	162	161	161	159	159
10	163	161	161	161	161	161	161	158	157	155	152	153	155	158	158	158	160	161	161	161	161	160	157	159	159
11	158	161	158	161	161	161	158	158	158	152	152	152	156	158	161	164	164	171	167	164	158	164	164	164	160
12	161	161	161	158	161	161	161	158	158	158	155	155	156	158	161	161	161	164	164	164	163	163	161	162	160
13	162	162	161	161	159	161	163	164	164	161	155	152	153	155	158	157	158	158	159	160	160	158	161	159	159
14	151	152	156	154	156	159	153	153	156	162	169	183	182	210	210	213	216	200	197	188	172	180	169	172	176
15	175	175	175	175	172	169	172	175	172	170	172	172	185	191	194	188	186	181	172	174	172	172	166	162	176
16	169	167	169	170	172	172	169	169	169	169	171	178	184	181	178	181	178	178	178	170	169	171	169	165	173
17	160	160	167	167	167	170	170	172	169	170	176	189	189	182	182	182	182	179	179	168	173	173	175	173	174
18	170	170	171	171	173	173	173	173	167	162	164	162	167	170	176	178	179	176	179	179	179	176	176	176	173
19	169	166	169	169	172	175	170	166	158	156	156	169	178	178	178	184	185	181	178	178	175	172	172	172	172
20	172	172	169	171	172	174	175	172	169	162	161	163	165	169	172	178	178	180	178	175	172	172	172	169	171
21	170	170	170	169	175	175	172	169	159	156	161	165	166	169	175	178	185	181	207	188	181	184	181	175	174
22	171	171	171	168	175	160	168	165	171	174	174	174	177	177	177	184	184	184	184	176	180	184	177	142	174
23	108	101	130	114	139	159	166	168	171	174	177	180	187	187	183	181	180	184	181	180	180	179	180	180	165
24	180	180	180	180	184	184	184	177	168	165	165	165	169	174	177	180	180	180	180	180	177	176	165	155	175
25	146	152	155	133	146	157	160	160	158	162	170	174	174	177	179	183	187	184	177	177	171	170	171	171	166
26	174	174	174	174	177	175	177	178	165	165	165	168	174	180	183	180	177	177	173	174	177	171	174	168	174
27	168	171	171	174	174	177	177	171	160	158	159	165	169	174	177	177	174	175	174	177	167	167	168	158	170
28	149	160	162	168	160	174	168	168	168	169	168	165	169	187	193	190	185	184	187	171	176	168	172	169	172
29	171	171	173	174	175	177	177	174	168	159	158	158	160	171	174	176	176	176	177	171	174	176	169	165	171
30	168	-	-	-	168	171	168	170	167	162	164	165	166	171	171	171	171	171	171	171	171	171	171	171	169
31																									
Среднее по всем дням	161	161	164	162	164	166	165	164	161	160	161	163	166	169	172	172	173	172	172	170	169	168	167	164	166

Вариометр Эдельмана

Условные обозначения:  $\Delta$  — погасла лампа;  $>$  или  $<$  — запись вышла за бумагу;  $\square$  — остановился час;  $\bar{\wedge}$  — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Тарнопольский

Проверил И.Савин

Ведомство АЖУССР

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. Δ = 1°61'9

Месяц Октябрь Год 1963

Элемент Склонение

Δ = 1° +

11056-Ш

Дни	Время мира ос																	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	62.1	62.3	62.4	62.1	62.9	64.2	64.4	64.2	62.4	61.1	59.2	59.0	59.7	61.0	61.3	61.1	62.0	62.0	62.3	62.1	62.1	62.1	62.1	61.9	
2	62.1	62.1	62.1	62.1	63.1	64.2	64.9	64.3	62.2	59.2	57.2	56.9	57.9	59.2	60.8	60.8	61.1	61.7	61.8	62.1	62.1	61.7	61.7	61.7	61.4
3	61.6	61.7	61.7	61.1	61.7	63.1	64.4	64.1	62.1	59.7	58.1	58.1	59.0	60.2	61.1	60.8	60.9	61.1	61.2	61.7	62.1	62.1	62.1	62.0	61.3
4	62.0	61.8	61.1	60.8	61.7	63.1	63.8	63.1	61.9	59.7	57.9	57.9	57.8	57.9	59.2	59.2	59.1	61.1	61.8	61.8	62.1	62.8	63.0	63.0	61.0
5	62.2	62.5	62.8	62.3	62.3	63.3	64.2	64.2	61.3	59.0	57.1	56.9	57.9	59.0	59.8	59.8	60.7	61.1	62.1	63.1	62.1	62.3	62.2	62.2	61.3
6	62.2	62.2	62.0	62.1	62.1	63.1	64.2	63.3	61.1	59.0	57.4	57.4	58.6	59.7	61.1	61.1	61.1	62.0	62.0	61.8	61.7	62.1	62.1	62.2	61.3
7	62.1	61.8	61.9	61.9	62.1	63.1	64.0	63.4	62.1	59.6	57.8	56.8	57.0	58.9	59.8	59.8	61.0	60.2	61.1	61.2	61.8	64.2	64.3	63.1	61.2
8	63.1	63.9	63.1	60.5	60.8	62.2	64.1	64.1	63.1	60.2	58.7	56.9	58.7	59.2	60.8	61.8	64.9	62.2	61.2	61.1	62.0	61.3	62.1	62.1	61.6
9	62.2	62.2	62.1	62.1	62.0	62.2	62.9	63.0	61.9	58.9	56.7	55.8	56.8	58.9	60.1	60.1	60.7	61.0	62.1	62.0	62.0	62.5	60.9	61.9	60.9
10	63.2	62.1	61.9	61.9	61.9	62.0	62.9	63.2	62.2	59.4	57.7	56.8	57.7	58.7	59.9	59.9	60.2	61.0	63.0	63.0	62.0	63.8	63.0	63.0	61.3
11	62.1	62.1	62.1	62.1	62.0	62.1	63.0	64.1	59.9	57.6	55.0	54.7	56.0	60.8	61.9	64.1	67.2	64.0	63.2	64.1	63.3	63.0	62.7	64.1	61.7
12	63.3	64.0	63.0	62.5	62.0	63.0	63.0	62.9	60.7	58.9	57.8	57.7	61.0	67.2	62.1	64.1	66.4	67.2	65.0	63.0	64.1	63.8	63.0	62.1	62.8
13	62.5	62.1	62.6	62.2	62.5	62.5	64.2	64.0	61.6	61.0	59.8	59.0	61.0	60.4	63.0	63.0	62.0	62.1	63.0	63.0	63.0	61.0	59.9	64.1	62.1
14	61.0	63.0	63.7	63.0	62.1	62.0	61.1	61.1	59.9	59.8	58.8	61.0	63.0	65.0	66.2	66.2	68.2	68.0	64.0	61.0	62.5	62.2	62.9	61.9	62.8
15	61.7	60.1	60.7	62.0	62.9	62.1	63.2	62.1	60.7	58.8	56.8	57.8	59.9	60.3	62.0	61.0	61.1	61.1	62.0	61.0	62.1	63.0	61.0	64.1	61.1
16	62.0	61.1	61.2	61.0	62.0	62.5	62.8	62.3	60.8	58.0	57.3	58.1	60.2	61.0	63.0	63.0	64.1	63.0	64.6	63.5	61.4	62.0	62.0	62.0	61.6
17	61.9	62.0	62.0	62.1	62.1	62.1	62.8	63.0	62.0	60.1	58.9	58.9	60.5	61.4	61.7	61.7	62.9	62.1	62.1	62.0	62.0	62.0	62.0	62.0	61.7
18	62.7	62.7	62.0	61.4	62.0	62.1	62.9	63.0	61.8	58.9	57.8	58.4	59.9	62.0	63.0	63.0	62.1	62.5	64.0	64.0	63.0	62.5	63.0	63.0	62.0
19	62.5	62.5	62.5	61.4	61.4	62.0	62.0	62.1	60.4	58.2	57.2	58.8	60.2	61.0	61.0	61.3	62.8	62.9	62.0	63.0	63.0	63.2	62.5	62.5	61.5
20	63.0	62.9	61.5	62.0	62.2	62.9	63.2	63.7	62.0	58.4	56.5	56.8	57.8	62.0	58.9	59.9	60.9	64.1	64.5	64.4	65.1	65.7	66.6	65.1	62.1
21	63.0	62.5	62.2	62.0	63.0	62.2	62.5	62.6	62.0	59.5	57.7	57.7	58.2	59.8	61.0	61.0	61.2	61.2	61.7	61.8	61.8	61.8	61.4	61.7	61.2
22	61.6	61.4	61.4	61.1	61.9	62.5	63.7	64.1	62.7	59.6	57.8	57.8	58.9	59.2	59.9	59.9	59.9	60.4	61.0	61.0	61.0	61.5	61.5	61.5	60.9
23	61.1	61.1	61.1	61.0	61.0	62.1	63.5	63.8	62.0	58.9	57.7	56.9	57.8	58.9	60.1	60.1	61.0	61.0	61.1	61.1	62.8	63.3	63.3	64.1	61.0
24	68.1	68.2	68.2	65.1	63.2	64.2	63.2	63.0	62.0	57.7	54.7	59.9	59.8	59.9	59.9	59.9	62.0	65.1	65.1	67.2	65.1	67.2	62.2	64.6	63.1
25	64.8	60.5	64.3	64.1	64.1	64.1	64.2	65.6	64.2	62.0	59.9	59.0	59.3	60.9	61.0	61.0	61.7	62.0	63.0	62.2	64.2	65.7	64.1	63.3	62.7
26	63.6	63.4	61.1	62.0	62.1	63.2	64.2	65.0	63.2	61.1	59.8	58.9	60.1	62.0	61.1	61.5	62.0	63.2	62.5	62.6	62.6	62.6	62.2	62.0	62.2
27	62.1	62.0	62.0	62.0	62.1	63.0	63.8	63.3	62.0	59.8	58.1	58.4	59.9	61.0	61.0	61.1	61.1	61.4	62.7	63.0	62.5	62.1	62.1	62.1	61.6
28	62.0	62.0	62.0	62.0	62.8	63.7	64.1	63.7	61.1	59.4	57.8	58.9	59.9	61.0	61.0	61.2	61.9	64.2	66.2	65.1	63.7	63.7	64.1	63.2	62.9
29	63.7	62.5	60.5	60.1	59.1	60.1	61.1	62.1	61.2	60.2	59.9	59.9	60.9	62.0	63.0	62.1	78.8	62.9	77.6	80.2	84.9	83.7	72.9	68.2	66.2
30	56.8	57.3	60.1	62.5	63.0	64.6	65.0	65.1	64.2	63.0	62.9	62.0	61.9	61.9	62.0	62.0	62.0	62.1	62.6	63.0	63.1	63.1	63.1	63.1	62.4
31	63.2	63.0	62.2	62.1	62.0	62.9	63.0	63.0	62.0	59.9	59.3	59.9	61.0	61.4	61.1	61.1	61.0	61.4	62.0	62.5	63.0	63.0	63.0	63.0	61.9
Средн. по всем дням	62.4	62.2	62.2	62.0	62.1	62.8	63.4	63.4	61.8	59.6	58.0	58.2	59.3	60.7	61.2	61.4	62.6	62.4	63.2	63.2	63.4	63.6	62.9	62.9	61.9

Вариометр Эшнгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∟ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А.Тодуш

Проверил В.В.В.

Ведомство АЖУСР

Среднемесячн. H = 21303<sup>o</sup>

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Октябрь Год 1963

H = 21000 +

Дни	Время миро ое																						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	304	302	303	304	305	302	298	292	290	296	305	309	312	308	301	303	304	301	302	301	303	305	301	302	
2	301	303	304	307	306	303	298	295	298	306	311	316	315	309	311	311	312	313	313	314	317	312	315	315	309
3	313	311	313	314	313	310	305	300	292	293	305	310	310	307	302	299	302	313	313	313	319	317	314	314	309
4	313	311	311	317	319	310	308	305	300	299	302	310	316	311	300	291	296	308	312	313	313	312	313	312	308
5	310	319	316	317	323	321	323	319	315	304	297	321	323	319	312	309	308	309	319	333	319	321	319	315	316
6	315	314	318	321	317	315	305	306	306	306	310	312	317	317	317	315	312	305	311	317	317	317	317	314	313
7	316	321	325	322	321	319	312	308	304	306	309	319	325	325	319	317	300	304	312	320	321	333	344	321	318
8	316	314	311	308	316	315	303	295	295	295	295	303	297	297	302	297	322	314	306	311	313	316	313	311	307
9	311	311	310	311	311	310	313	307	303	306	311	320	322	321	320	316	317	314	314	313	312	313	320	323	314
10	310	312	317	320	323	331	338	331	314	309	309	314	312	308	309	312	315	312	309	311	321	322	317	311	316
11	311	312	312	314	315	314	310	295	295	308	306	282	272	278	296	297	300	306	297	300	305	307	322	314	303
12	317	309	339	314	306	304	284	289	289	287	286	280	275	271	267	273	306	286	282	293	353	308	294	298	296
13	303	300	300	296	286	283	281	290	289	294	310	308	300	308	292	303	303	308	317	337	311	340	350	320	305
14	325	325	295	295	295	282	261	258	272	272	292	280	272	269	286	275	264	277	291	313	313	303	300	305	288
15	306	303	306	301	295	283	278	283	289	298	297	293	303	300	300	308	308	309	311	331	311	311	328	317	303
16	300	306	308	300	306	300	283	271	275	277	292	297	287	286	279	282	292	322	297	295	308	309	306	306	295
17	303	304	306	310	306	302	303	298	295	295	303	306	306	306	303	303	303	303	303	303	303	305	305	306	303
18	307	307	309	312	312	312	304	301	296	298	307	309	308	308	301	296	298	301	294	293	298	304	307	306	304
19	309	312	312	312	318	310	301	291	288	296	303	304	301	296	290	287	294	301	307	304	304	309	308	312	303
20	312	310	313	315	312	310	301	290	288	298	307	309	294	284	287	304	304	303	304	298	298	307	318	320	304
21	313	315	320	323	304	307	307	308	302	299	301	312	315	312	305	303	307	310	309	312	315	318	318	318	311
22	317	319	321	323	328	326	323	318	310	313	315	321	326	329	329	326	327	326	329	329	329	329	326	324	323
23	324	323	326	329	330	332	331	324	318	318	323	328	331	326	323	323	323	326	326	327	315	313	312	309	323
24	312	319	312	301	273	265	268	248	221	218	185	254	259	247	234	233	254	264	262	257	268	282	298	279	263
25	273	279	279	282	284	283	284	279	279	283	287	293	290	287	290	293	296	292	296	299	307	312	299	295	289
26	297	296	295	301	304	304	296	284	284	287	289	290	294	295	295	299	298	301	301	302	302	307	307	309	297
27	307	307	308	309	308	304	304	304	300	301	306	308	309	309	304	310	309	309	309	317	315	309	307	307	308
28	307	309	309	312	312	309	302	298	297	301	306	307	315	312	309	309	307	296	301	296	301	300	301	301	305
29	304	304	307	318	318	312	304	301	298	299	296	298	299	285	273	282	278	257	203	207	226	220	243	240	278
30	248	223	237	247	251	253	248	259	279	285	285	289	284	279	279	284	286	286	290	290	287	290	288	287	272
31	287	290	291	296	304	301	298	296	289	293	290	299	299	296	296	297	296	299	299	300	299	299	298	296	296
Среднее по всем дням	306	306	308	308	307	304	299	295	293	295	298	303	303	300	298	299	302	302	301	305	307	308	310	307	303

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. А. Агапкин Проверил В. М. Мельник

Ведомство АЛУССУ

Среднемесячн.  $\bar{Z} = 93171^+$

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Вертикальная составляющая

Месяц Октябрь Год 1963

$\bar{Z} = 43000 +$

Время миро ое	1																	19					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	171	171	171	171	171	171	171	168	164	161	160	160	162	165	168	168	169	171	171	171	171	171	171	168	
2	171	171	171	171	171	172	171	168	163	157	158	157	160	164	166	166	168	168	168	168	168	168	168	167	
3	167	168	168	168	169	170	170	166	155	152	153	158	163	168	168	168	170	170	170	170	170	170	170	166	
4	168	168	168	168	168	170	169	163	153	152	152	155	161	164	165	169	171	172	171	171	170	170	170	166	
5	170	169	169	169	169	170	169	161	153	150	150	153	153	159	162	166	168	169	169	169	169	169	169	164	
6	167	167	169	167	169	169	172	170	168	159	157	156	158	160	162	163	166	169	169	169	168	168	167	166	
7	169	169	166	166	168	169	172	166	162	157	155	154	158	160	162	165	168	172	172	172	169	169	162	159	165
8	162	163	165	166	167	169	169	166	158	152	149	154	159	166	168	169	172	169	169	169	169	169	169	165	165
9	169	169	169	169	168	169	169	165	159	156	153	155	159	161	163	163	166	166	166	166	166	166	166	165	165
10	164	166	166	166	166	166	166	159	150	150	150	152	156	163	168	166	168	168	168	168	168	168	168	163	163
11	166	166	166	167	168	169	167	156	147	142	150	159	169	172	175	172	173	173	172	172	172	172	167	166	
12	163	164	163	156	164	168	168	166	159	159	166	168	172	188	185	184	188	172	172	172	172	172	172	170	
13	172	172	171	172	174	175	175	169	166	164	164	164	166	171	169	175	172	172	172	172	172	172	153	169	
14	156	150	156	162	168	172	177	180	175	169	172	176	185	186	188	182	183	183	183	183	183	183	174	174	
15	172	172	172	172	175	177	178	175	169	169	169	169	172	173	175	175	175	175	175	175	175	175	163	172	
16	168	169	168	169	172	172	175	172	169	164	163	166	172	178	178	179	181	178	178	178	178	178	172	172	
17	172	172	172	172	172	175	176	172	168	167	169	172	174	173	172	172	172	174	174	174	174	174	172	172	
18	172	172	172	172	172	174	174	172	165	159	159	162	166	169	170	172	174	173	173	173	173	173	170	170	
19	174	172	172	172	175	177	179	175	167	169	170	169	171	172	175	175	178	178	178	178	178	178	174	174	
20	172	172	173	171	172	176	175	171	171	168	165	166	168	179	178	178	176	177	177	177	177	177	168	173	
21	169	169	169	169	169	175	175	173	170	166	166	166	169	172	172	172	172	172	172	172	172	172	169	170	
22	169	169	170	170	169	169	170	166	157	158	159	164	169	169	169	169	168	168	168	168	168	168	166	167	
23	166	166	166	166	166	166	169	168	162	162	164	164	165	165	166	166	166	166	166	166	166	166	166	166	
24	169	166	158	162	163	169	178	169	172	178	185	197	194	194	194	198	199	197	197	197	197	197	183	183	
25	180	178	176	179	181	181	178	172	170	169	167	169	172	176	178	178	178	178	178	178	178	178	176	176	
26	178	177	178	176	177	178	175	175	175	175	173	174	176	178	178	178	178	178	178	178	178	178	175	177	
27	175	175	175	175	175	177	176	172	169	169	169	172	175	175	174	174	174	174	174	174	174	174	172	174	
28	172	173	172	173	174	175	172	172	168	169	169	170	172	172	172	172	172	172	172	172	172	172	173	172	
29	173	173	173	173	173	174	174	177	171	170	174	178	179	179	182	185	179	179	179	179	179	179	151	154	
30	163	160	179	185	189	189	189	190	186	180	180	185	185	185	186	186	186	185	185	185	185	185	183	183	
31	184	184	183	183	185	187	186	185	178	176	176	174	179	180	180	180	180	180	180	180	180	180	181	181	
Среднее по всем дням	170	169	170	170	172	173	174	170	165	163	163	166	169	172	173	174	175	174	174	174	174	174	169	171	

Вариометр Эшенгагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановился час; / — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. Сидоренко

Проверил А. Сидоренко

Ведомство АН УССР

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Среднемесячн. 2 = 1° 61.8

Элемент Склонение

11056-11

Месяц Ноябрь Год 1963

2 = 1° +

Дня	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
1	62.8	62.8	62.8	62.0	62.5	63.0	63.0	63.0	62.9	61.0	59.7	59.2	60.2	61.0	60.9	60.4	62.2	63.2	64.1	63.3	63.3	64.0	63.7	64.1	62.3
2	63.7	63.8	62.5	62.0	62.6	62.6	63.2	63.5	62.9	60.1	58.8	58.9	59.5	61.0	60.9	61.5	68.2	65.1	63.0	64.7	64.7	64.2	63.2	62.8	62.6
3	60.8	61.0	62.5	62.1	61.0	61.9	62.0	62.9	62.7	61.1	59.0	59.1	59.9	61.0	61.2	61.0	61.2	61.2	63.0	64.3	64.3	62.0	62.0	62.5	61.7
4	62.1	62.0	62.0	61.9	62.1	62.4	63.5	63.8	61.2	59.9	59.4	59.9	61.0	61.7	62.0	61.1	61.5	61.5	63.0	63.6	64.1	63.2	63.0	62.2	62.0
5	62.0	62.0	62.0	62.0	62.0	62.9	63.9	64.0	62.0	59.1	58.2	58.9	60.1	61.0	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	61.6
6	61.2	61.0	60.3	61.0	61.4	62.0	63.0	63.0	61.1	58.9	58.0	58.9	59.9	61.1	62.1	62.1	61.2	62.0	64.7	65.1	66.8	64.1	62.5	62.2	61.8
7	61.7	61.2	59.8	60.3	60.4	59.9	60.6	61.8	60.8	58.9	59.4	61.0	60.2	62.1	64.2	67.0	71.4	70.3	73.4	68.2	68.0	66.2	64.1	63.4	63.5
8	62.7	63.0	60.9	61.9	61.7	61.0	61.0	59.9	62.0	61.0	59.9	59.7	64.1	63.0	63.0	64.6	68.1	65.1	64.6	64.8	64.2	62.2	64.8	63.2	62.7
9	60.8	58.9	58.3	61.0	61.9	62.1	62.9	64.0	62.4	61.0	60.9	60.6	65.1	65.1	61.7	65.1	65.1	65.1	64.3	67.2	72.4	65.9	63.6	65.0	63.4
10	61.0	60.2	57.8	59.2	61.4	62.5	62.6	62.7	61.6	61.2	60.7	59.8	61.9	63.0	61.9	65.1	66.2	65.3	65.1	64.2	62.7	62.6	65.1	59.6	62.2
11	61.6	61.0	59.9	59.0	60.2	61.9	62.3	62.2	62.0	61.0	60.1	61.0	60.3	60.5	61.0	61.5	64.1	62.2	63.0	66.4	64.1	63.0	62.4	61.1	61.7
12	62.0	62.0	61.1	60.9	59.9	61.0	62.0	62.4	62.5	61.0	60.7	61.0	60.3	61.0	61.2	64.1	65.1	64.7	63.0	63.4	63.0	63.0	62.9	62.0	62.1
13	62.0	62.0	62.0	61.6	62.0	62.9	63.0	63.0	62.0	61.2	61.0	60.6	61.1	61.3	62.0	63.0	62.0	62.0	62.1	62.8	62.9	62.9	62.1	62.0	62.1
14	62.0	61.5	61.5	61.5	61.1	61.0	62.0	62.1	62.1	61.5	60.5	60.1	60.9	61.0	61.0	61.0	61.0	61.8	62.0	62.1	62.5	62.9	63.0	62.5	61.6
15	62.0	61.2	61.0	61.0	61.1	61.9	62.0	62.1	62.0	61.0	59.9	59.9	60.6	61.0	61.9	61.6	61.2	61.5	62.0	62.1	62.1	62.6	62.0	62.0	61.5
16	61.4	61.1	60.8	60.9	61.0	61.0	62.1	62.2	62.0	61.0	60.4	60.1	61.0	61.0	61.2	61.2	61.2	61.4	62.0	62.0	62.0	62.0	61.5	61.5	61.4
17	61.0	61.0	60.9	60.9	60.9	61.0	61.0	61.0	60.9	58.8	57.9	58.0	58.8	58.3	55.9	56.7	58.3	63.1	59.8	60.8	61.8	62.8	62.8	62.8	60.2
18	62.4	62.4	62.1	62.1	62.8	62.9	63.4	62.3	61.0	60.4	59.8	60.1	60.9	61.0	61.0	61.0	61.3	61.3	61.8	62.5	62.0	62.1	62.1	62.1	61.7
19	61.9	61.9	61.9	61.9	61.9	62.4	62.9	62.8	61.9	61.0	60.9	60.9	60.9	61.0	60.9	60.9	60.9	61.1	61.9	61.9	61.9	61.9	61.9	62.0	61.6
20	61.9	61.9	61.8	61.9	62.1	61.9	62.0	61.9	60.9	59.8	59.8	59.8	60.4	60.9	60.9	60.9	60.9	61.0	61.9	61.9	61.9	61.9	61.6	61.6	61.3
21	61.1	61.1	61.1	61.1	61.6	61.6	61.8	61.1	59.8	58.9	59.0	59.8	60.2	60.8	61.0	60.9	60.9	60.9	61.8	61.9	62.0	62.0	62.0	62.0	61.0
22	61.8	61.8	61.8	61.8	61.9	61.9	61.3	61.7	60.8	59.8	59.3	59.8	60.4	60.3	60.3	60.0	60.7	62.9	62.1	62.9	62.8	62.8	62.1	62.0	61.6
23	62.1	61.1	61.6	62.1	61.9	61.9	61.9	62.3	61.9	60.1	59.8	59.8	60.4	60.9	60.9	60.3	60.9	61.0	61.1	61.9	63.2	62.0	62.0	61.9	61.4
24	61.9	61.9	61.1	60.4	60.0	60.9	60.5	59.8	59.3	59.4	59.0	59.0	59.8	60.8	60.3	60.4	64.8	65.0	65.0	67.1	68.1	67.1	69.2	66.1	62.4
25	62.7	59.3	61.1	61.0	61.4	60.2	61.9	61.9	61.0	60.9	60.9	60.9	61.3	62.7	62.4	62.8	62.9	62.4	63.1	62.6	62.1	62.1	62.1	61.9	61.7
26	61.9	61.9	61.8	61.8	61.8	62.0	62.7	62.8	61.9	60.9	60.8	60.8	60.9	61.0	61.1	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.3	61.7
27	61.1	61.1	61.1	61.1	61.2	61.4	62.7	62.3	61.6	60.9	59.8	59.8	60.4	60.9	61.1	61.4	61.4	61.4	61.6	61.8	62.8	63.7	63.2	62.0	61.5
28	61.1	61.1	61.1	61.5	60.1	61.8	61.9	61.9	61.0	60.0	59.0	58.8	59.8	60.9	60.9	61.0	61.4	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.1
29	61.4	61.4	60.9	60.9	61.0	60.9	61.1	61.0	60.4	59.4	58.9	59.4	59.4	60.0	59.8	59.6	60.9	60.9	61.0	61.7	62.4	64.0	64.0	62.9	61.0
30	61.9	61.9	61.9	61.9	61.9	61.5	61.3	61.5	60.2	59.0	59.0	59.3	62.9	60.9	60.0	60.9	62.0	62.6	64.0	63.9	62.9	62.9	61.9	61.9	61.6
31																									
Среднее по всем дням	61.8	61.5	61.2	61.3	61.4	61.7	62.2	62.2	61.5	60.3	59.7	59.8	60.8	61.2	61.1	61.7	62.7	62.7	63.1	63.4	63.6	63.1	62.9	62.4	61.8

Вариометр Эшнхагена

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Л — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Тагирова

Проверил Колман

Ведомство АЛУССР

Среднемесячн. 4 = 21307

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Ноябрь Год 1963

H = 21000 + - = -

Дни	Время мгн. ое																	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	297	297	298	299	302	300	301	299	297	297	300	302	302	301	294	291	302	298	289	291	300	303	306	302	299
2	298	298	302	310	312	309	304	298	294	297	304	312	308	308	300	293	310	276	288	300	314	304	297	299	301
3	307	304	307	309	300	307	298	286	274	282	296	302	300	297	305	307	308	308	303	301	302	322	316	307	302
4	308	307	307	307	308	305	305	303	302	302	308	314	311	308	308	311	311	309	315	319	316	310	305	310	309
5	308	307	308	311	312	308	302	299	295	297	302	310	313	311	308	310	312	313	314	314	315	315	315	316	309
6	319	319	321	322	323	328	325	316	310	306	304	307	313	302	279	286	298	309	307	307	313	314	319	307	311
7	310	312	316	319	316	297	311	307	310	303	273	254	257	263	271	293	270	246	263	304	330	285	285	291	291
8	295	302	284	304	305	286	260	272	287	289	288	272	260	280	272	274	291	310	291	296	332	329	300	298	291
9	297	310	308	310	304	305	299	280	291	290	299	302	279	269	279	282	286	292	305	302	305	308	305	298	296
10	300	305	304	311	306	301	302	298	297	274	272	288	286	290	297	308	308	295	310	294	313	308	310	319	300
11	310	301	301	307	310	301	298	287	283	289	290	300	305	307	305	301	300	307	297	324	310	310	308	318	303
12	310	310	310	310	313	312	313	303	295	287	284	296	301	301	301	291	275	281	307	303	302	304	305	308	301
13	303	303	304	307	306	309	307	305	300	300	300	300	300	295	300	304	301	302	303	306	309	309	311	314	304
14	309	308	309	314	315	320	319	314	308	303	303	306	308	308	309	309	311	313	313	313	313	313	312	310	311
15	311	312	312	316	319	322	321	314	306	303	304	303	303	304	305	306	306	309	312	313	314	314	313	314	311
16	313	313	314	316	318	319	315	311	309	309	313	313	312	311	312	314	316	315	316	315	314	313	314	318	314
17	318	317	318	320	323	322	317	315	313	338	338	326	325	330	297	260	269	274	288	312	309	303	304	306	310
18	303	303	304	307	303	299	294	289	286	289	296	304	306	307	310	311	311	311	311	310	310	310	310	310	304
19	312	313	313	312	313	314	312	309	305	306	311	314	313	312	312	312	315	315	316	316	318	317	317	313	313
20	311	313	318	325	319	318	317	311	308	309	314	317	319	317	313	314	316	317	318	318	316	316	317	317	316
21	317	316	317	318	320	323	324	323	323	322	321	323	322	317	310	311	311	311	311	313	314	314	314	313	317
22	311	313	314	317	321	322	326	324	320	317	311	314	323	330	331	331	322	303	288	297	302	303	309	310	315
23	310	316	322	317	317	322	324	319	306	310	323	328	324	316	314	311	312	315	316	311	317	314	313	314	316
24	313	314	313	322	333	337	334	325	316	310	303	300	292	267	269	265	255	267	268	267	295	303	306	306	299
25	289	300	303	302	300	298	302	296	292	280	281	292	287	286	292	299	297	299	306	308	309	309	309	309	298
26	310	310	311	314	316	317	319	319	310	309	311	313	310	307	308	310	310	310	310	313	311	311	312	310	312
27	311	314	316	318	320	320	319	311	307	302	305	311	313	313	312	313	319	320	319	320	314	310	313	315	314
28	317	318	318	316	327	329	324	321	319	313	315	316	316	319	320	316	318	319	320	318	317	317	317	316	319
29	317	316	316	320	325	327	327	327	329	329	328	321	321	319	310	303	318	324	327	324	320	315	327	311	321
30	312	315	312	315	317	320	329	325	326	324	320	306	264	304	314	307	304	307	305	309	308	308	313	312	311
31																									
Средн. по всем дням	308	310	310	313	314	313	312	307	304	303	304	306	303	303	302	301	303	302	305	308	312	310	310	310	307

Вариометр Ишенигагена

Обработал А. Сидор

Проверил А. Сидор

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; ∩ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).



Ведомство АНУССР

Среднемесячн.  $\bar{Z} = 43177^*$

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Вертикальная составляющая

Месяц Ноябрь Год 1963

$\bar{Z} = 43000 +$

Дни	Время м.г.ч.о.е.																	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	180	180	180	180	180	182	182	179	173	173	176	179	182	182	182	182	181	182	185	183	183	182	179	180	
2	179	179	181	181	179	182	182	179	172	173	175	175	177	179	179	179	182	182	189	186	185	178	179	180	180
3	180	178	179	179	179	179	178	176	173	176	179	180	181	182	182	182	179	179	179	180	179	182	178	176	179
4	177	177	177	178	179	179	179	177	172	170	173	175	176	176	176	178	177	177	178	186	185	173	173	176	182
5	176	176	177	177	177	179	179	176	170	173	175	176	177	177	177	178	178	178	186	185	173	173	176	182	181
6	176	176	173	173	175	176	176	173	168	169	173	176	178	178	178	185	185	182	194	189	178	170	179	181	181
7	176	176	176	176	176	178	179	173	170	169	170	181	189	192	191	192	189	185	186	185	173	173	176	182	182
8	176	173	177	179	178	179	183	187	185	179	177	179	182	193	191	192	192	186	186	179	176	182	173	173	181
9	178	176	174	174	176	179	179	178	179	176	179	182	182	191	192	192	190	189	186	179	176	182	173	173	181
10	176	174	173	173	173	176	176	176	176	171	179	184	185	188	185	182	182	184	179	181	182	178	176	179	179
11	172	173	176	176	176	176	178	176	179	179	179	183	182	183	182	179	180	182	182	182	179	178	179	176	179
12	176	176	178	179	179	179	179	179	182	182	182	185	185	182	182	179	182	188	188	182	182	182	181	181	181
13	179	179	179	180	179	179	179	178	178	178	178	177	179	179	179	180	181	181	182	182	181	179	179	178	179
14	177	177	179	179	178	177	177	173	169	169	169	172	176	176	178	178	177	177	177	177	177	177	176	176	176
15	176	176	177	176	176	176	178	175	172	172	173	176	177	178	178	178	178	178	177	177	176	176	176	176	176
16	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
17	176	176	175	175	176	176	176	176	173	176	170	180	172	173	173	186	194	196	199	192	186	183	183	182	180
18	180	180	181	180	180	181	181	180	181	181	180	181	182	181	180	180	180	180	180	180	180	180	180	180	180
19	178	179	176	178	178	178	177	176	173	173	173	176	178	178	177	177	178	178	177	177	176	176	176	176	177
20	176	176	176	175	173	174	173	173	170	170	173	176	176	176	176	176	176	176	176	176	176	176	176	176	175
21	173	173	173	173	173	172	170	167	168	170	172	173	174	173	173	175	176	176	176	176	176	176	176	175	173
22	175	175	174	175	173	172	170	169	169	169	170	170	172	170	170	170	170	170	176	180	179	179	178	176	173
23	176	176	173	172	173	172	170	163	165	167	170	173	173	172	173	173	175	175	173	173	176	173	173	173	172
24	173	173	173	173	173	170	170	169	170	172	173	176	176	183	186	189	189	193	192	189	188	179	170	173	178
25	175	176	175	176	177	177	175	173	173	173	178	180	180	183	185	184	183	183	182	181	179	179	178	178	178
26	176	176	176	176	176	176	173	170	172	173	174	175	176	176	176	176	176	176	176	176	176	176	176	176	175
27	176	176	176	176	176	176	175	173	173	176	176	178	176	176	176	176	176	176	174	174	173	174	175	173	175
28	173	173	173	175	174	173	170	169	166	166	169	173	175	175	173	173	173	173	173	173	173	173	173	173	172
29	173	173	173	173	173	173	173	168	165	166	169	172	173	173	173	174	175	175	173	173	173	173	172	170	172
30	173	170	172	173	173	173	170	167	165	166	166	169	173	181	176	176	176	176	177	176	176	176	176	173	173
31																									
Среднее по всем дням	176	176	176	176	176	176	176	174	173	173	174	177	178	179	179	180	180	181	180	180	179	177	176	176	177

Вариометр Зенит

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановился час; ∞ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( ).

Обработал А. А. Гринь Проверил В. В. В.

Ведомство АНУССР

Обсерватория Одесская

Месяц Декабрь Год 1963

Широта 46°44' Долгота 30°53'

Среднемесячн. D = 1°61.7

Элемент Склонение

11056-10

D = 1° + = 0

Дни	Время																	Средн. суточн.												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	61.5	60.9	60.5	60.6	61.1	60.8	60.4	60.8	60.3	60.0	60.0	60.0	60.6	61.3	61.3	62.1	61.3	61.3	62.4	62.4	61.9	62.4	62.4	62.4	61.2					
2	61.3	61.3	60.8	60.8	60.4	60.8	61.7	61.5	60.4	59.8	59.2	59.3	59.8	60.3	61.8	62.4	60.8	61.8	64.2	63.7	62.9	62.4	62.4	61.8	61.3					
3	61.3	60.8	58.2	59.8	60.3	59.8	60.3	61.3	60.0	60.3	60.0	61.8	63.4	63.4	66.7	63.4	66.0	67.6	65.5	66.3	65.0	59.8	64.5	63.4	62.5					
4	63.0	61.8	61.3	60.3	60.9	61.1	62.9	62.4	61.3	61.5	61.0	60.3	61.0	62.4	63.0	66.8	66.1	66.5	62.4	62.4	60.9	66.0	67.6	62.8	62.7					
5	61.8	62.9	62.4	61.0	61.2	60.6	60.3	60.4	60.8	61.3	62.4	61.8	61.3	61.3	68.6	63.4	65.0	64.1	66.1	65.6	63.9	66.0	64.8	62.8	62.9					
6	60.9	60.6	61.3	60.8	60.9	60.8	60.8	61.3	61.3	61.8	61.3	60.8	63.9	63.9	64.4	62.7	63.4	62.4	61.9	64.9	63.4	62.9	62.3	62.4	62.1					
7	61.8	59.8	59.8	60.3	60.8	61.1	61.9	62.4	61.8	62.4	62.4	61.9	66.0	64.2	62.4	65.0	63.1	62.9	62.9	62.7	62.9	62.9	62.9	61.6	62.3					
8	59.8	61.2	60.9	60.8	60.6	59.8	59.2	60.3	60.8	60.8	60.8	61.3	62.9	62.4	62.8	65.0	63.4	63.0	62.4	63.8	62.9	61.3	62.4	61.9	61.7					
9	61.7	61.3	61.3	61.1	61.3	61.3	61.8	62.9	61.4	62.0	62.4	60.8	60.8	61.3	63.4	63.4	61.3	61.3	61.8	61.8	61.9	61.8	61.8	61.5	61.7					
10	61.3	60.9	60.9	60.8	60.9	61.0	61.3	61.9	61.5	61.0	60.3	60.0	60.2	60.6	61.0	61.1	61.3	61.3	61.3	61.8	61.5	61.5	61.3	61.3	61.1					
11	60.9	60.8	60.3	60.3	60.7	61.2	62.0	62.4	61.9	61.3	60.3	59.8	60.3	60.8	60.9	61.2	61.3	61.3	61.9	61.8	61.3	61.3	61.3	61.2	61.1					
12	60.8	60.3	60.8	60.8	61.0	61.1	61.8	61.9	61.3	60.8	60.3	60.6	60.8	60.8	61.0	61.3	61.3	61.3	61.8	61.9	62.9	61.8	61.3	61.8	61.2					
13	62.8	61.3	60.8	60.3	60.7	61.5	61.8	61.8	61.3	60.8	60.4	59.9	60.4	60.8	60.8	60.9	61.3	61.5	61.8	62.4	62.9	62.9	62.4	62.4	61.4					
14	61.8	61.3	61.3	60.8	61.3	61.3	61.8	62.4	61.8	60.8	60.1	60.0	59.8	60.3	59.8	58.2	60.9	61.8	62.4	65.0	66.7	65.2	62.9	62.4	61.7					
15	61.1	61.6	61.3	60.8	61.1	61.7	61.9	61.8	60.8	60.2	59.8	59.3	60.3	61.0	60.8	61.2	62.1	62.7	62.4	62.4	62.4	62.2	61.8	62.4	61.4					
16	62.2	61.3	62.4	61.3	61.5	61.7	62.4	62.7	61.8	61.3	60.8	60.3	61.1	61.8	61.3	62.4	61.8	61.5	62.7	62.9	62.4	62.4	62.9	62.9	61.9					
17	62.4	62.0	61.4	61.3	61.3	61.8	62.4	61.8	61.3	60.9	60.8	60.8	61.3	61.3	61.3	61.3	61.3	61.6	61.9	62.4	62.9	62.0	61.8	61.8	61.6					
18	61.3	61.3	61.3	61.3	61.3	61.5	61.6	61.3	60.8	60.3	59.8	59.8	59.8	60.3	60.4	60.4	60.8	60.4	60.8	61.0	61.5	61.8	62.0	61.6	60.9					
19	61.5	61.3	61.1	60.9	61.0	61.3	61.8	61.8	61.3	60.3	58.7	58.7	59.8	60.3	60.8	60.8	60.8	60.9	61.7	61.8	61.8	62.4	65.0	65.6	61.3					
20	64.4	62.4	61.3	60.9	60.8	60.8	61.3	57.7	58.8	58.6	59.2	60.3	60.5	61.3	60.8	61.8	64.5	62.8	62.9	66.5	67.6	63.9	63.4	62.4	61.9					
21	61.8	61.3	60.8	60.3	60.8	61.3	61.5	60.7	60.5	59.8	59.3	60.1	60.5	61.3	61.8	61.3	62.4	64.4	62.4	62.9	62.3	61.8	63.0	64.2	61.5					
22	61.9	61.5	61.3	60.8	60.8	60.3	60.9	60.8	60.3	59.8	59.3	60.3	61.5	63.4	62.4	62.4	62.9	63.4	67.6	64.8	63.4	62.4	61.3	60.3	61.8					
23	61.3	61.3	61.3	61.3	61.3	61.6	62.2	61.6	61.3	59.8	59.8	60.3	61.0	61.3	61.3	61.8	63.9	64.4	63.4	63.9	62.4	62.9	62.9	60.8	61.8					
24	60.8	61.8	61.8	62.2	61.9	62.4	62.9	62.6	61.3	60.3	59.3	59.8	60.8	61.8	61.5	61.8	62.3	65.5	62.9	62.4	62.4	62.9	62.4	61.3	61.9					
25	61.1	61.0	60.9	60.8	61.0	61.3	61.8	61.8	61.1	59.8	60.1	60.8	61.5	61.5	61.7	61.5	61.8	61.9	61.8	61.8	61.8	61.8	61.4	61.3	61.3					
26	61.3	61.2	61.1	60.8	61.2	61.7	62.4	61.8	60.9	60.6	59.8	59.2	60.4	61.3	61.3	61.8	61.3	61.8	61.8	62.0	62.4	62.5	62.7	62.4	61.4					
27	61.9	61.3	60.8	60.3	60.6	60.9	61.3	62.4	62.4	61.4	59.8	59.8	59.8	60.5	60.3	60.6	60.8	61.3	61.4	62.4	61.5	61.8	61.3	61.2	61.1					
28	60.7	60.8	60.8	60.8	60.3	60.8	61.3	61.8	60.8	60.5	60.3	59.8	60.2	60.8	60.8	60.3	60.3	61.3	62.4	62.9	65.0	64.2	61.9	60.6	61.2					
29	61.1	60.1	59.0	61.5	61.3	61.3	61.4	61.8	60.9	60.5	59.2	60.8	61.1	61.3	62.9	62.9	66.0	62.5	63.4	64.4	63.4	62.9	63.4	63.0	61.9					
30	62.9	62.9	61.3	61.8	61.3	61.8	62.4	62.9	62.4	61.3	60.3	60.3	60.8	61.3	61.3	62.9	61.5	61.8	62.7	62.4	62.9	62.9	62.9	62.7	62.0					
31	62.4	61.8	61.3	61.3	61.3	61.1	61.5	62.4	62.4	62.0	60.3	59.8	60.8	61.8	61.8	61.5	61.4	61.7	62.0	62.4	62.4	62.4	62.4	62.4	61.7					
С. чаще по всем дням	61.6	61.3	61.0	60.9	61.0	61.1	61.6	61.7	61.1	60.7	60.2	60.3	61.0	61.5	61.9	62.1	62.3	62.5	62.7	63.1	62.9	62.6	62.7	62.1	61.7					

Вагнометр Эдельмана

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Сидоров

Проверил В. Иванов

Ведомство АНУССР

Среднемесячн. H = 21315<sup>h</sup>

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Горизонтальная составляющая

Месяц Декабрь Год 1963

H = 21000 + = =

Дни	Время мирое ос																						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	309	311	313	317	319	323	323	321	321	319	319	319	319	315	311	307	313	315	317	319	319	317	319	321	317
2	317	318	324	321	323	329	327	323	321	318	317	319	318	313	301	299	295	295	282	301	310	315	317	321	314
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Среднее по всем дням	315	314	316	320	321	323	323	319	315	316	319	317	313	309	307	308	308	311	312	316	317	316	316	317	315

Вариометр Электронная

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановились часы; L — линии причины отсутств. записи. Величины, взятые приближенно с магнитограммы — ( )

Обработал А. Тагирова

Проверил К. Иванов

Среднемесячн.  $\Sigma = 43175^+$

Ведомство АНУССР

Обсерватория Одесская

Широта 46°47' Долгота 30°53'

Элемент Вертикальная составляющая

Месяц Декабрь Год 1963

$\Sigma = 43000 +$

Дни	Время																	Средн. суточн.							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23			
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Среднее по всем дням	174	173	174	174	174	174	173	172	173	173	173	174	176	176	177	177	177	178	177	177	175	175	174	174	175

Вариометр Эдельмана

Условные обозначения: Δ — погасла лампа; > или < — запись вышла за бумагу; □ — остановился час; Λ — иные причины отсутств. записи. Величины, взятые приближенно с магнитогаммы — ( ).

Обработал Л. Тагирова

Проверил В. Уман