Среднемесячн. $D = 2°00'5$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение

Месяц Январь Год 1970 $D =$ 1° + = °

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	60.5	60.3	60.2	60.4	60.9	60.7	61.3	61.1	60.1	58.0	57.3	58.4	59.4	59.6	59.4	58.8	60.5	60.9	60.1	59.6	60.1	60.9	62.2	61.9	60.1
2	62.0	60.8	59.8	58.4	59.2	58.6	59.5	60.7	59.2	58.2	58.2	58.9	59.6	62.1	60.9	60.9	61.7	63.6	62.2	63.9	63.6	63.8	62.8	62.2	60.9
3	61.1	60.5	60.3	59.8	60.9	61.5	61.0	61.4	60.6	59.7	59.7	60.1	60.7	61.7	60.9	60.6	60.9	61.3	61.0	61.1	61.1	61.6	61.3	61.1	60.8
4	61.1	60.8	60.7	60.7	61.1	61.7	61.8	60.9	60.1	58.8	58.3	59.4	60.7	60.8	60.8	61.3	61.1	60.9	60.8	60.8	60.9	61.7	61.3	61.1	60.7
5	60.7	60.5	60.2	60.4	60.8	61.5	61.3	60.7	59.6	58.4	58.0	59.0	60.0	60.0	59.6	59.4	59.6	60.2	60.5	60.5	60.5	61.2	61.1	60.7	60.2
6	63.0	61.7	61.3	61.1	61.3	61.4	61.5	61.5	60.3	59.9	60.1	61.1	61.7	61.3	60.9	60.7	60.5	60.5	61.7	61.3	61.1	60.9	60.7	60.9	61.1
7	60.4	60.7	60.3	60.4	60.7	60.9	60.7	60.1	59.4	59.0	59.2	60.2	60.6	60.3	59.9	59.8	59.6	60.3	61.8	62.6	62.6	62.2	61.3	60.9	60.6
8	60.9	60.3	60.1	60.3	60.1	60.9	61.4	62.0	61.7	60.7	60.4	59.8	59.6	58.7	59.0	58.8	58.6	59.8	60.5	60.8	60.9	60.7	61.1	61.5	60.4
9	62.1	62.6	61.3	59.8	59.8	60.5	60.8	60.9	60.5	59.8	59.8	59.5	59.8	60.3	59.9	59.6	60.5	60.9	61.1	61.3	61.3	61.5	61.3	60.9	60.7
10	61.9	61.3	59.2	60.3	60.1	60.5	61.1	62.0	62.0	61.4	60.1	59.6	59.6	60.2	59.6	59.6	59.8	60.3	60.9	60.9	61.1	61.0	60.7	60.7	60.6
11	60.8	61.2	61.1	61.0	60.9	60.7	60.7	60.2	60.5	60.3	59.8	59.5	60.1	59.6	59.8	59.4	59.8	60.2	60.5	60.9	61.1	61.1	61.5	62.2	60.5
12	60.1	61.3	61.4	60.9	61.0	60.7	60.5	60.6	60.2	59.5	59.4	59.6	60.5	59.8	59.4	59.4	59.4	61.1	61.0	60.9	61.4	63.8	62.2	61.5	60.6
13	61.1	60.7	60.3	60.7	61.1	61.0	59.8	59.6	59.4	59.4	59.4	59.6	60.3	59.5	59.0	59.4	60.1	60.5	60.7	60.9	60.9	60.9	61.1	60.7	60.3
14	60.5	60.7	60.8	60.6	61.1	61.9	61.9	61.3	60.1	58.3	57.7	57.5	58.4	59.2	59.0	59.2	59.9	60.4	60.7	60.8	60.6	60.9	61.3	60.9	60.2
15	62.3	62.4	61.5	61.0	60.9	61.3	60.8	59.8	58.4	57.5	57.7	58.2	59.5	59.9	59.4	59.4	59.9	60.3	59.8	60.3	60.3	60.9	61.2	61.5	60.2
16	61.7	61.3	61.7	61.2	61.5	61.7	62.0	60.9	59.0	58.2	59.4	58.6	60.3	59.1	59.7	61.5	64.0	64.7	64.0	65.9	67.0	65.7	65.9	67.0	62.2
17	66.2	64.0	61.7	62.2	60.7	62.2	61.7	61.3	60.1	59.6	58.6	59.2	59.2	60.0	60.1	60.1	60.3	60.3	60.7	61.3	61.4	61.3	61.3	61.1	61.0
18	61.2	60.3	61.1	61.7	62.0	62.5	62.8	61.9	61.1	59.4	58.4	59.3	59.2	59.2	59.2	59.6	59.4	60.3	60.5	60.9	60.9	61.1	61.4	60.9	60.6
19	60.5	60.7	60.7	60.5	60.3	60.7	61.4	61.5	61.3	60.5	59.0	58.2	58.8	59.2	59.7	60.5	59.9	60.1	60.9	60.9	61.2	60.7	62.6	61.7	60.5
20	61.1	61.1	60.5	60.5	60.6	61.1	62.0	61.9	61.5	60.7	59.7	59.0	59.4	59.8	59.4	58.8	59.0	59.6	60.3	61.1	64.0	63.0	61.5	60.5	60.7
21	60.1	60.2	59.8	59.6	59.6	60.3	61.5	62.4	61.7	61.1	58.6	57.9	57.9	59.0	59.4	59.0	59.6	60.3	60.5	61.5	62.0	61.5	61.3	60.9	60.2
22	59.2	60.9	60.7	60.5	60.7	61.3	62.4	62.4	61.6	60.9	60.3	59.6	59.6	59.2	59.4	59.6	60.7	60.9	60.5	60.9	61.1	61.0	60.9	60.2	60.6
23	59.8	59.8	58.8	58.6	59.6	59.8	60.3	60.5	59.8	59.1	58.2	57.7	58.1	58.8	58.8	59.2	59.6	60.0	60.3	60.5	60.9	60.8	61.3	60.9	59.6
24	60.4	60.3	60.6	60.5	60.7	61.5	61.9	61.8	60.5	59.8	59.2	58.4	58.6	58.6	59.0	59.4	60.1	60.3	60.9	60.9	61.4	62.2	62.2	61.3	60.4
25	60.9	60.5	60.3	60.3	60.7	61.0	61.3	61.4	60.7	59.8	58.6	58.8	59.4	59.8	59.5	59.5	59.8	60.3	60.5	60.7	60.9	60.9	60.8	60.7	60.3
26	60.7	60.5	60.3	60.3	60.7	61.0	61.3	61.1	61.3	61.7	60.3	59.6	60.3	60.3	59.7	59.8	59.9	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5
27	60.5	60.7	60.5	60.6	60.9	61.1	61.1	60.8	60.3	59.0	57.8	57.8	58.6	58.7	58.6	58.8	59.6	59.6	60.3	61.3	62.1	62.4	61.7	61.5	60.2
28	62.1	61.1	60.7	60.7	60.9	61.3	61.1	60.5	60.1	59.2	58.2	58.6	58.6	58.6	58.4	58.4	58.4	58.8	59.4	60.9	60.6	60.3	59.8	59.2	59.8
29	60.5	60.5	60.3	59.8	60.3	60.1	59.6	58.8	59.2	59.0	59.0	59.0	59.2	59.4	59.2	59.6	59.8	59.8	59.8	59.8	60.1	60.1	59.8	59.6	59.7
30	61.2	61.0	60.3	59.6	59.6	59.8	59.6	59.0	59.2	59.4	59.8	59.4	58.8	59.0	58.8	59.2	60.0	59.6	59.9	60.5	60.1	60.9	61.1	60.9	59.9
31	60.7	60.5	60.9	61.1	60.7	60.7	59.4	59.0	59.0	58.9	58.6	59.4	60.5	60.7	60.1	59.6	59.8	60.0	60.5	60.9	60.9	60.9	60.8	60.9	60.2
Среднее во всем дне	61.1	60.9	60.6	60.4	60.6	61.0	61.1	60.9	60.3	59.5	59.0	59.1	59.6	59.8	59.6	59.6	60.1	60.5	60.7	61.1	61.4	61.5	61.4	61.2	60.5

Вариометр Боброва (I-XII, 1970)

Среднемесячн. $H = 21367^{\pm}$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Январь Год 1970 $H = 21000 + = {}_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	371	373	376	377	374	374	374	366	364	366	377	383	380	370	370	365	348	347	361	379	382	376	371	377	371
2	371	367	374	383	383	378	377	356	340	352	362	354	328	316	323	314	328	368	365	384	375	342	352	362	356
3	353	348	356	358	362	360	364	357	353	356	360	365	360	356	354	354	354	356	360	361	360	368	364	363	358
4	364	365	368	366	366	364	363	356	350	348	358	368	374	370	364	365	362	364	368	366	365	366	366	361	364
5	360	364	365	368	374	376	383	380	371	361	366	377	377	370	364	366	371	373	375	374	371	368	365	374	371
6	359	360	364	366	366	366	371	370	364	366	373	372	368	360	365	368	370	366	360	360	360	365	365	365	365
7	366	368	367	371	371	370	370	370	371	371	376	379	380	377	376	377	372	365	349	339	347	358	356	362	367
8	359	363	366	371	372	372	369	365	360	359	364	371	377	372	374	377	374	366	376	371	377	377	374	371	370
9	380	369	371	374	373	371	374	372	364	366	372	374	370	365	364	365	364	362	362	365	370	370	373	370	369
10	371	362	364	370	373	377	382	376	365	362	371	373	373	369	368	368	368	369	374	373	371	372	373	372	371
11	371	366	365	367	370	374	379	382	378	378	383	382	378	373	370	376	377	377	375	371	371	369	372	366	374
12	368	371	367	366	369	365	366	365	364	365	372	376	377	371	369	371	369	366	366	367	366	376	361	359	368
13	362	365	369	370	371	366	368	372	373	372	376	377	375	368	363	359	363	376	377	375	374	371	368	365	370
14	367	371	370	366	368	365	360	354	353	356	362	370	372	370	365	366	371	374	376	375	378	378	372	382	368
15	376	371	364	366	371	377	370	365	362	365	372	382	385	383	379	378	376	378	374	374	372	370	366	365	373
16	365	367	377	374	369	363	357	347	346	347	336	329	331	323	317	314	326	312	322	321	330	332	341	346	341
17	356	354	354	356	348	348	342	338	340	338	342	347	348	348	349	353	353	354	356	354	355	358	356	359	350
18	359	366	365	364	359	358	348	347	339	341	346	353	356	357	359	365	362	366	366	365	364	361	364	364	358
19	368	368	371	374	374	375	374	371	362	360	364	368	368	368	362	358	362	365	370	371	365	379	371	365	368
20	366	369	368	368	368	369	371	372	370	369	372	368	365	352	348	366	366	368	372	359	359	359	361	365	365
21	367	368	372	375	377	378	381	380	368	358	359	365	366	354	364	370	370	370	369	368	366	372	368	366	369
22	371	371	370	370	371	371	373	369	367	366	367	369	370	371	368	365	364	368	365	367	368	368	368	371	369
23	371	372	373	382	381	378	376	370	365	366	368	371	369	367	372	372	370	371	372	372	370	369	377	371	372
24	371	370	370	370	370	369	368	358	353	347	343	347	348	350	357	357	356	360	362	368	367	384	370	365	362
25	366	366	367	370	371	371	371	366	362	362	370	373	372	368	368	369	368	367	369	371	371	374	372	373	369
26	372	373	373	374	376	374	371	369	367	371	375	378	374	371	368	368	368	370	372	374	372	374	372	373	372
27	372	374	374	377	375	374	371	370	366	371	378	384	383	377	368	366	366	362	365	366	364	360	365	369	371
28	372	372	371	371	370	366	366	368	371	374	381	380	378	382	383	389	390	386	374	364	370	374	374	381	375
29	384	380	380	380	383	383	382	377	372	375	377	377	374	372	372	374	374	372	376	382	382	382	383	383	378
30	388	380	380	383	383	382	378	385	390	392	385	384	379	378	377	370	352	363	374	365	366	373	373	374	377
31	378	382	383	371	364	362	362	360	359	362	370	376	377	377	373	377	374	371	365	365	370	370	371	371	370
Среднее по всем дням	369	368	369	371	371	370	370	366	362	363	367	370	369	365	364	365	364	366	367	367	367	368	367	368	367

Среднемесячн. Z = 43278

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Январь Год 1970 Z = 43000 + = 0 =

Время мировое

День	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	277	277	276	276	276	279	277	276	272	268	274	275	275	274	275	277	276	284	284	283	279	277	276	276	277
2	275	277	278	280	275	277	280	276	282	280	282	277	277	284	286	289	293	291	286	282	272	274	281	275	280
3	277	279	281	281	281	281	280	278	279	277	277	276	276	276	282	282	282	283	283	282	281	282	280	279	280
4	280	280	280	280	279	279	275	277	281	282	281	280	277	274	276	280	280	281	281	280	278	278	279	278	279
5	280	280	280	280	280	279	279	275	273	273	277	277	276	274	276	280	279	280	277	277	276	277	279	278	278
6	275	280	280	280	279	276	276	276	276	275	275	274	273	273	279	279	280	279	279	280	281	280	280	279	278
7	280	277	277	277	276	276	275	275	277	280	281	280	279	276	276	277	277	277	278	282	285	284	283	281	279
8	280	280	280	280	279	279	277	277	279	280	276	275	273	273	276	277	279	278	280	280	278	277	276	276	278
9	277	272	275	276	275	275	274	276	275	274	272	273	273	275	277	278	280	280	281	281	281	279	279	277	276
10	275	276	277	277	277	277	277	276	272	266	266	267	271	272	274	276	278	279	280	277	277	277	276	276	275
11	277	277	277	278	278	278	277	283	284	285	282	280	277	277	277	278	278	278	277	277	278	278	278	277	279
12	281	276	276	277	277	276	276	280	283	281	277	278	277	275	276	277	278	278	282	281	281	280	278	280	278
13	280	280	280	278	278	278	278	280	283	286	286	283	280	277	277	279	282	282	280	278	277	277	277	278	280
14	278	278	277	277	278	278	276	277	277	278	283	282	279	276	277	279	281	281	279	278	278	277	276	278	278
15	274	275	275	277	277	277	275	276	280	282	283	285	282	277	274	275	277	278	277	277	278	278	278	280	278
16	280	279	277	276	276	277	276	278	281	282	284	287	287	287	287	289	291	293	294	292	290	288	287	283	284
17	282	280	281	275	281	278	282	285	288	285	283	282	284	283	283	285	285	286	286	285	285	285	284	284	283
18	283	284	281	281	281	281	280	281	282	281	278	281	282	282	282	283	283	283	283	282	282	282	282	282	282
19	282	281	281	281	280	278	278	277	276	278	278	280	278	278	278	281	282	282	282	281	281	282	275	278	280
20	280	280	278	280	281	281	277	275	273	272	272	272	274	273	281	283	282	282	282	278	283	280	282	282	278
21	281	281	281	281	280	280	281	277	274	274	272	271	274	277	282	280	280	281	281	280	280	281	277	278	278
22	280	277	278	280	280	280	278	276	275	275	275	275	276	276	276	277	278	281	280	280	280	280	278	278	278
23	278	278	280	277	276	276	277	276	276	277	275	277	277	278	278	277	277	278	278	278	277	278	278	276	277
24	277	277	277	278	279	281	281	282	282	280	278	283	282	284	284	282	283	284	283	283	282	282	276	278	281
25	278	279	280	279	279	278	281	278	274	272	271	274	276	275	276	278	278	278	280	280	278	278	277	277	277
26	278	278	277	277	277	276	275	276	276	276	273	271	271	272	274	277	277	278	278	278	277	277	277	277	276
27	277	277	278	277	277	277	277	275	274	275	271	271	269	270	272	276	277	280	281	281	279	280	281	280	276
28	278	278	278	278	277	276	273	273	275	277	275	272	272	272	273	274	274	274	274	276	278	277	277	277	275
29	273	274	274	275	275	275	274	276	276	276	274	272	271	272	274	276	276	276	278	277	276	276	275	275	275
30	272	272	274	274	275	273	271	273	272	270	267	268	268	269	272	274	275	281	282	281	282	283	280	278	274
31	277	275	273	271	274	274	274	277	283	287	286	285	282	277	274	277	277	277	277	280	278	278	278	277	278
Среднее по часам	278	278	278	278	278	278	277	277	278	278	277	277	276	276	278	279	280	281	281	280	280	279	279	278	278

$\vartheta = 2°00.3$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение

Месяц Февраль Год 1970 D = 1° + = 0 =

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	60.9	60.9	60.1	60.5	60.1	60.7	61.1	60.7	60.3	59.8	59.0	59.0	59.2	59.2	59.2	59.2	59.6	59.6	59.8	60.1	60.1	60.5	62.3	65.6	60.3
2	64.1	61.3	61.3	61.5	60.8	60.5	59.6	58.8	58.8	58.9	58.2	59.4	60.7	61.3	59.6	59.2	59.9	61.7	62.2	63.8	61.9	61.5	63.2	62.6	60.9
3	63.1	63.6	60.6	60.2	60.7	60.7	60.7	59.8	59.2	59.6	60.1	60.9	61.3	61.3	60.6	60.1	60.1	60.3	60.5	60.7	60.7	60.9	60.7	60.5	60.7
4	60.5	60.5	60.7	60.7	60.7	61.1	61.5	60.7	60.1	60.7	60.5	58.6	59.4	60.9	60.1	60.3	60.9	64.7	63.0	62.2	61.5	60.3	60.9	61.3	60.9
5	61.3	61.5	60.9	61.1	62.2	61.7	61.9	61.1	60.3	59.2	59.0	59.2	58.9	59.6	60.6	60.0	60.3	60.7	60.9	60.9	60.9	60.9	60.7	61.7	60.6
6	61.7	61.7	61.3	61.3	61.7	61.1	60.3	59.5	59.4	59.8	59.8	60.2	60.7	60.6	60.1	60.1	60.2	60.3	60.5	61.1	60.9	60.9	60.9	60.7	60.6
7	60.6	60.6	60.5	60.7	60.9	60.7	60.5	60.7	59.4	58.4	58.1	58.6	59.5	60.2	60.1	59.2	60.3	60.3	60.5	60.7	60.8	60.8	60.9	60.9	60.2
8	60.9	60.9	60.9	60.9	60.9	60.9	61.3	61.3	60.9	60.3	59.8	59.6	60.4	60.7	59.9	59.4	59.4	60.0	60.1	60.7	61.0	61.1	60.9	60.7	60.5
9	60.8	60.9	60.7	60.8	61.1	61.1	61.7	62.2	61.3	59.6	58.2	57.8	58.2	58.6	58.6	58.6	59.0	59.2	59.8	60.3	60.3	60.3	60.3	60.1	60.0
10	59.9	59.9	60.1	60.2	60.5	60.8	60.7	60.5	59.2	57.9	57.1	57.1	58.6	60.1	59.6	60.5	60.1	60.5	62.2	61.1	60.9	60.9	60.9	60.7	60.0
11	60.7	60.9	61.1	61.2	61.3	60.9	60.5	59.8	59.1	59.0	58.9	58.4	59.2	59.8	59.8	60.1	60.1	60.1	60.1	60.5	60.5	60.4	60.5	60.5	60.1
12	60.4	60.6	60.9	61.1	61.5	62.0	61.8	61.5	60.9	59.6	59.0	59.0	59.8	60.3	59.2	58.6	58.6	58.7	59.4	59.6	59.8	59.9	60.3	60.3	60.1
13	60.5	60.6	60.7	60.6	60.7	60.3	60.7	61.1	60.6	59.0	58.2	58.1	58.5	58.8	58.5	58.3	58.5	58.7	59.4	59.8	60.1	60.1	60.1	59.9	59.7
14	60.1	59.8	59.6	58.8	60.5	60.7	62.0	62.8	62.2	59.8	58.4	58.8	59.2	59.6	60.2	60.5	61.3	61.1	60.4	60.3	60.7	60.7	60.5	60.4	60.4
15	60.3	60.3	60.1	60.8	60.9	60.9	61.7	62.2	60.3	58.6	58.4	58.6	58.8	59.4	59.8	60.1	60.1	60.7	61.1	62.6	60.7	60.5	60.7	60.9	60.4
16	60.5	60.3	60.1	60.1	60.3	60.8	62.0	62.3	60.5	58.2	56.9	57.3	58.0	59.0	59.0	58.8	59.2	59.4	59.6	60.0	60.3	60.5	61.1	61.5	59.8
17	60.7	60.7	60.5	60.5	60.7	61.1	62.0	62.1	60.9	59.1	58.2	57.3	57.3	57.1	58.0	58.4	59.4	60.0	61.7	63.8	63.4	63.2	60.1	60.9	60.3
18	60.7	61.5	60.7	60.9	61.2	61.5	62.2	62.4	61.5	59.8	58.1	57.3	58.2	59.6	63.0	60.1	59.4	60.3	61.5	60.9	61.1	61.1	60.5	61.1	60.6
19	60.8	60.3	60.9	61.0	61.3	61.6	62.4	62.8	62.2	60.7	59.8	59.4	59.2	59.0	59.0	59.2	59.6	60.0	60.0	60.1	60.5	60.5	60.5	60.5	60.5
20	60.7	60.7	60.9	60.9	61.3	61.7	62.6	62.8	61.5	58.6	57.9	57.6	58.0	59.2	59.4	59.0	59.2	59.6	60.1	60.7	60.7	60.7	60.7	60.7	60.2
21	60.5	60.8	60.9	61.1	61.3	61.7	62.6	63.0	61.6	58.6	56.9	56.3	57.3	58.5	59.2	59.0	59.0	59.4	59.9	60.5	60.7	60.6	60.5	60.5	60.0
22	60.8	60.9	61.0	61.1	61.3	62.0	63.1	63.6	62.1	59.4	57.2	56.4	56.7	58.0	58.8	59.0	59.2	59.8	60.3	60.7	60.7	60.7	60.5	60.3	60.2
23	60.3	60.3	60.3	60.7	61.2	62.4	62.6	62.0	60.3	58.6	57.8	57.5	57.8	58.2	58.3	58.3	58.8	59.0	59.4	59.8	59.6	59.6	59.4	59.4	59.6
24	59.5	59.6	59.6	59.2	59.8	61.1	62.8	63.4	61.5	59.8	57.8	56.9	56.3	56.9	58.2	59.8	63.4	59.4	60.7	60.0	60.5	60.8	60.8	60.7	59.9
25	60.8	60.5	60.7	60.9	61.2	61.7	62.9	63.0	61.3	59.4	57.8	57.1	57.5	58.8	59.4	59.8	60.3	59.8	59.8	60.0	60.1	60.2	60.1	60.0	60.1
26	59.8	59.6	60.1	60.8	61.2	62.0	62.8	63.2	62.1	59.2	56.9	56.5	57.1	55.0	58.8	61.1	61.1	61.1	61.1	61.0	61.1	61.1	61.1	60.9	60.2
27	61.0	61.1	61.1	61.4	61.6	62.0	63.0	63.8	62.8	60.3	58.8	57.5	58.0	58.8	59.8	60.3	61.1	61.7	61.4	60.9	61.9	64.7	64.5	64.5	61.3
28	62.6	61.5	62.2	61.7	62.6	64.0	64.5	64.9	63.8	59.6	57.3	56.9	57.1	57.4	58.4	59.0	59.0	61.1	62.0	61.5	61.3	61.3	61.5	62.2	61.0
29																									
30																									
31																									
Среднее по всем дням	60.9	60.8	60.7	60.7	61.1	61.3	61.8	61.9	60.9	59.3	58.4	58.1	58.6	59.1	59.5	59.5	59.9	60.3	60.6	60.9	60.8	60.9	60.9	61.1	60.3

Среднемесячн. H = 21370°

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальной составляющей

Месяц Февраль Год 1970 H = 21000 + = 0=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	371	371	377	376	372	374	374	371	366	366	376	377	378	378	380	379	378	378	380	379	383	378	381	372	376
2	358	366	367	366	365	371	377	376	374	372	367	353	348	360	370	365	358	360	352	347	365	362	361	396	365
3	373	365	365	366	365	366	370	372	374	376	376	372	372	375	368	366	365	366	368	368	368	366	368	370	369
4	368	371	371	368	372	371	368	370	362	350	360	370	365	345	350	359	347	353	364	358	358	371	368	370	363
5	364	361	368	370	366	364	365	362	360	365	372	376	376	361	352	364	364	364	370	370	370	376	384	380	368
6	366	364	364	365	365	367	371	374	370	370	370	372	372	368	365	366	369	369	370	366	368	368	368	369	368
7	370	370	371	371	371	371	374	372	370	370	372	378	378	377	374	372	372	372	372	372	373	372	372	372	372
8	373	372	372	372	375	376	378	377	374	377	383	390	390	386	378	374	372	370	371	372	373	374	374	375	376
9	374	372	374	375	376	377	371	369	368	370	371	376	382	383	376	372	372	372	372	378	382	382	382	383	375
10	383	382	382	382	380	378	382	377	380	385	386	389	389	386	382	366	352	348	342	365	366	371	369	371	375
11	371	371	371	371	372	376	378	380	378	377	380	388	389	383	377	371	366	369	370	368	371	372	374	374	375
12	375	376	377	377	377	374	372	371	374	378	384	390	392	387	380	378	382	380	377	380	380	380	379	378	379
13	379	382	383	386	384	378	380	377	376	371	372	377	379	377	378	384	384	384	380	380	380	382	381	382	380
14	382	382	380	388	388	380	375	368	360	358	352	341	359	355	348	343	348	354	366	371	370	372	372	371	366
15	371	371	373	380	372	374	366	359	353	350	345	359	372	370	367	366	366	362	365	377	374	378	378	374	368
16	372	374	376	377	380	382	380	376	368	368	375	376	374	371	360	364	371	376	374	374	374	376	372	374	374
17	373	374	376	376	377	377	372	365	360	358	356	365	378	382	376	366	365	360	362	352	360	370	374	365	368
18	361	364	362	368	365	366	365	358	354	353	358	360	365	356	350	359	365	365	368	371	366	366	380	374	363
19	364	366	366	369	372	375	374	371	368	366	365	366	366	365	365	366	370	372	374	376	374	372	372	374	370
20	374	374	374	374	374	374	372	372	366	367	368	376	380	377	368	366	371	372	372	371	372	374	376	377	373
21	378	377	377	377	379	382	378	376	368	370	375	380	383	382	378	375	374	375	377	376	378	377	377	376	377
22	375	375	376	378	380	379	372	358	350	353	360	371	377	377	374	371	372	374	376	375	373	374	376	376	372
23	376	379	380	382	382	377	371	369	362	360	363	370	378	382	383	380	378	380	381	381	390	389	386	384	378
24	386	387	385	390	395	392	387	382	374	374	382	385	388	390	389	366	348	351	355	370	374	371	371	372	378
25	376	376	377	378	378	383	380	371	369	364	364	370	376	377	374	370	369	374	377	378	378	378	378	375	375
26	377	378	380	377	378	381	377	366	359	350	352	356	356	334	329	329	348	352	354	356	356	359	359	361	359
27	361	359	359	360	364	366	370	365	362	359	354	354	356	353	352	353	352	348	358	370	371	371	350	360	359
28	365	371	366	354	354	353	352	348	347	350	347	346	348	340	348	347	356	350	356	363	364	366	364	375	355
29																									
30																									
31																									
Среднее по всем дням	372	372	373	374	374	374	373	370	366	365	367	371	374	371	368	366	366	366	368	370	372	373	373	374	370

Среднемесячн. Z = 43277^{8}

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Февраль Год 1970 Z = 43000 + = 0=

Время мировое / Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	278	277	276	276	277	275	275	277	279	278	278	278	278	277	275	274	275	275	276	276	276	275	276	272	276
2	275	278	277	276	278	277	276	276	278	282	281	282	282	281	281	281	281	282	280	282	287	276	277	280	279
3	270	273	277	277	277	276	276	277	281	283	284	281	278	278	277	278	279	280	280	280	278	278	278	278	278
4	277	277	276	277	278	278	280	282	281	285	284	278	276	277	283	284	283	284	285	284	284	283	280	280	281
5	278	280	280	277	276	278	278	281	282	282	280	278	277	275	278	281	282	281	282	280	280	280	278	274	279
6	275	277	278	278	278	278	281	284	286	288	288	287	283	280	280	282	281	281	281	280	281	280	280	280	281
7	278	278	278	278	278	277	280	284	285	283	279	274	276	275	275	277	278	278	278	278	278	277	278	278	278
8	277	277	277	278	278	279	283	284	285	284	282	281	279	278	276	277	277	277	280	280	279	278	278	278	279
9	277	277	277	277	277	276	280	280	276	276	280	279	277	276	274	276	277	278	279	280	278	276	276	276	277
10	275	275	275	275	275	276	278	278	280	277	273	272	274	274	273	273	277	282	284	285	282	281	280	280	277
11	278	277	277	277	276	275	273	271	272	274	274	271	271	274	275	276	277	278	278	278	278	278	277	277	276
12	277	277	277	277	277	278	280	282	282	276	274	277	275	273	269	273	274	275	276	276	276	276	275	275	276
13	276	276	275	275	274	275	275	271	268	265	267	269	271	273	273	272	274	274	274	275	275	275	275	275	273
14	275	275	275	276	272	273	277	278	278	278	277	280	280	277	281	283	284	285	285	282	281	281	279	278	279
15	278	278	279	277	277	277	277	276	276	277	278	283	282	277	274	277	278	278	281	281	280	279	278	277	278
16	277	277	277	277	277	278	280	275	268	267	269	269	272	274	274	277	277	278	278	277	277	277	277	276	275
17	277	277	277	276	276	275	275	272	268	268	267	268	270	269	267	272	276	281	283	277	284	277	278	274	274
18	277	278	280	280	278	279	281	277	272	274	278	278	280	278	277	283	281	280	280	281	280	280	280	274	279
19	276	277	277	278	278	278	278	276	271	269	265	260	263	268	273	275	277	278	278	278	277	277	277	277	274
20	277	277	277	277	277	278	280	277	272	270	268	268	270	272	272	275	276	277	277	277	278	277	277	277	275
21	277	276	276	276	276	276	275	270	266	267	270	270	269	272	272	272	275	275	276	276	276	276	276	276	274
22	276	276	276	276	277	278	280	276	271	270	270	270	271	273	274	275	276	276	276	276	276	276	276	276	275
23	276	276	276	276	275	273	269	264	263	265	263	265	268	271	272	272	273	274	274	275	275	273	273	273	271
24	273	273	274	275	273	275	277	275	274	274	274	269	267	269	269	270	276	284	285	283	281	278	278	278	275
25	278	277	276	276	275	275	272	269	266	271	274	273	275	276	273	273	276	277	277	276	276	276	276	275	274
26	276	277	274	274	274	275	276	274	267	264	271	273	275	282	285	288	287	285	284	283	282	282	282	282	278
27	281	281	281	282	282	283	283	276	268	266	270	276	277	278	277	282	283	283	285	284	281	276	278	281	279
28	277	276	271	275	278	281	281	273	268	267	268	271	276	278	282	281	285	285	288	285	284	283	282	283	278
29																									
30																									
31																									
Среднее по всем дням	276	277	277	277	277	277	278	276	274	274	274	274	275	275	275	277	278	279	280	279	279	278	278	277	277

Среднемесячн. $D = 2°01.1$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Склонение

Месяц Март. Год 1970 $D =$ 1° + = $\sigma =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	63.8	63.4	63.2	63.8	63.0	64.5	64.7	62.6	63.4	61.1	58.2	55.6	55.6	58.0	59.8	61.1	60.7	61.3	61.7	62.0	62.4	63.0	62.4	63.5	61.6
2	63.0	63.0	62.4	62.8	62.8	60.8	64.0	64.0	62.1	59.2	57.1	57.1	57.3	58.0	59.6	60.3	59.8	62.0	60.5	60.5	60.9	61.3	61.5	61.3	60.9
3	61.7	61.5	61.5	61.3	61.4	62.6	63.8	64.7	64.0	62.0	58.8	57.5	56.5	57.1	59.2	59.6	60.1	64.7	63.8	64.3	63.6	62.2	62.6	61.5	61.5
4	61.3	61.3	61.0	61.4	61.5	62.6	63.8	64.5	62.4	59.0	55.6	55.2	57.1	57.3	61.3	61.3	63.2	62.4	63.8	64.3	63.8	64.3	62.6	60.3	61.3
5	61.3	62.8	61.5	61.3	61.5	63.0	64.7	64.7	62.3	61.1	58.0	55.9	55.5	55.6	56.3	56.5	57.1	58.1	66.4	63.0	65.5	65.7	64.0	64.8	61.1
6	63.6	62.4	61.5	61.5	61.2	62.0	63.2	63.8	61.5	58.8	58.4	58.4	57.1	58.2	60.1	60.5	64.0	65.1	65.1	65.9	70.9	68.5	69.1	60.3	62.5
7	62.1	64.9	62.2	61.9	61.0	63.8	65.5	66.6	65.6	62.6	60.1	56.3	57.6	57.4	63.6	65.9	61.9	62.6	65.7	67.2	62.8	61.7	61.3	60.9	62.6
8	63.2	61.3	59.2	56.3	53.8	57.5	61.7	64.0	62.2	61.6	59.2	58.4	58.4	61.7	65.8	54.4	62.6	59.4	67.4	75.9	78.6	90.0	79.8	74.3	64.4
9	69.3	68.5	65.7	62.0	67.8	68.5	68.7	68.9	67.8	65.1	63.1	60.7	60.7	63.0	64.3	66.2	70.4	71.4	64.7	64.0	64.4	62.6	62.8	60.7	65.5
10	62.4	63.6	63.4	63.6	63.6	64.9	66.8	67.4	65.7	64.6	61.3	59.6	58.4	59.2	60.3	61.1	62.4	63.0	64.3	64.5	64.0	63.0	62.2	62.0	63.0
11	62.0	62.1	62.1	62.2	62.3	64.0	66.3	68.2	68.0	65.3	61.7	58.6	58.1	58.8	60.7	60.9	61.0	61.3	61.7	61.7	62.4	62.8	62.4	62.4	62.4
12	61.5	61.3	61.1	60.5	61.6	63.0	65.3	66.8	65.9	63.2	59.8	57.5	56.5	57.1	58.4	59.9	60.3	60.5	60.9	61.1	60.9	61.1	61.3	61.3	61.1
13	61.3	61.5	61.5	61.5	61.5	62.6	64.7	65.5	63.8	59.6	57.5	56.5	55.6	57.1	59.8	60.5	60.1	60.1	60.5	62.4	63.4	61.7	61.1	61.1	60.9
14	60.9	61.1	60.7	61.3	61.3	62.6	64.5	65.5	63.8	61.1	58.2	56.3	55.9	57.1	58.7	59.4	59.6	59.8	60.2	60.5	60.7	60.8	60.9	61.1	60.5
15	60.9	60.0	60.7	60.7	60.5	61.7	65.1	66.8	65.3	61.1	58.8	56.7	56.1	57.3	59.8	62.2	60.9	60.5	60.7	61.3	61.3	60.9	60.7	60.9	60.9
16	61.1	61.2	61.4	61.4	62.0	63.8	65.7	66.3	64.5	62.2	58.6	57.1	55.9	57.1	59.6	59.6	59.6	59.6	59.8	60.1	60.3	60.7	60.7	60.6	60.8
17	60.7	60.9	60.9	60.9	61.5	63.2	65.2	65.3	62.9	59.8	56.7	54.6	54.8	56.6	58.2	58.6	59.4	60.7	62.6	61.3	60.3	59.8	60.3	60.5	60.2
18	59.6	60.1	60.9	61.1	62.0	63.6	65.3	66.0	64.0	59.8	56.5	55.0	55.3	57.1	59.0	60.3	61.9	61.1	61.0	61.1	60.8	60.7	59.8	60.9	60.5
19	60.5	60.5	60.7	61.1	61.9	63.8	66.4	66.8	64.0	60.3	56.7	55.6	55.9	57.3	59.2	59.8	60.1	60.1	60.5	60.3	60.5	62.0	61.1	60.3	60.6
20	60.1	60.7	60.9	61.3	61.9	63.6	65.5	66.2	63.6	59.8	56.5	55.3	55.6	57.1	59.0	59.6	59.4	60.0	60.5	62.6	61.1	60.5	60.5	60.1	60.5
21	60.1	60.5	60.9	61.1	62.0	63.6	65.7	66.6	64.3	60.3	56.5	54.4	54.2	55.9	58.4	60.0	60.5	60.7	60.7	60.5	60.5	60.3	60.1	59.9	60.3
22	60.0	60.0	60.3	60.7	61.2	63.2	65.0	65.3	63.0	58.0	54.2	52.5	53.2	55.4	58.0	59.2	59.4	59.8	60.1	60.1	59.8	59.8	59.8	59.8	59.5
23	59.8	60.1	60.5	60.7	61.5	63.8	65.3	65.1	63.0	58.8	55.6	54.2	54.4	56.7	58.4	59.3	59.2	59.4	60.1	60.5	60.3	60.5	60.5	60.3	59.9
24	60.3	60.5	60.7	61.1	62.6	65.0	67.2	67.4	63.4	59.6	56.8	55.2	55.4	56.6	58.0	58.8	58.6	59.0	59.2	59.4	59.6	60.0	60.0	59.9	60.2
25	60.1	60.3	60.5	61.3	62.5	64.9	66.2	65.5	62.4	58.6	55.7	54.0	52.7	54.8	57.8	59.2	58.8	59.0	59.4	59.4	59.8	59.8	59.8	59.6	59.7
26	59.9	60.1	60.3	60.7	62.2	64.7	67.2	67.4	65.5	61.5	57.3	54.6	54.2	55.2	57.1	59.0	59.4	59.4	59.8	60.0	60.1	60.3	60.3	60.3	60.3
27	60.3	60.5	60.8	61.1	61.3	63.1	64.5	63.2	60.1	56.7	53.6	51.8	51.0	53.3	55.1	57.0	58.1	59.0	61.7	62.2	62.4	61.5	64.0	62.6	59.4
28	62.2	62.2	61.7	59.8	61.1	63.2	64.0	64.7	62.7	59.4	56.6	56.5	55.0	55.9	58.4	61.1	63.2	61.5	61.3	63.2	63.2	61.5	61.5	64.1	61.0
29	62.0	62.6	63.2	62.4	61.5	64.9	66.4	67.0	64.8	60.7	56.6	54.8	55.1	56.3	58.2	61.7	60.9	62.2	62.2	64.7	62.4	62.1	61.7	62.0	61.5
30	62.6	61.6	61.5	61.5	63.4	66.8	67.6	67.2	64.9	59.9	55.8	53.4	52.5	55.0	57.8	59.0	62.0	61.1	60.7	61.1	61.9	61.9	61.1	61.3	60.9
31	61.3	61.7	61.3	61.5	61.1	64.0	64.9	68.7	64.7	58.3	54.4	54.6	52.7	52.0	54.4	57.1	54.8	58.0	60.9	62.6	63.6	61.1	62.2	61.1	59.9
Среднее по всем дням	61.6	61.7	61.4	61.3	61.8	63.5	65.3	65.9	63.9	60.6	57.5	55.9	55.6	56.9	59.2	60.0	60.6	61.1	61.9	62.5	62.7	62.6	62.2	61.6	61.1

Среднемесячн. H = 21353+

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Март Год 1970 H = 21000 + = o=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	372	362	364	370	365	368	359	364	330	315	318	336	346	325	345	300	336	347	352	350	354	353	359	354	346
2	356	360	365	358	358	359	350	344	329	316	323	332	356	365	360	358	362	362	366	368	370	369	369	380	356
3	374	366	366	365	368	367	366	366	353	351	362	366	376	368	365	365	362	372	384	366	360	381	370	360	367
4	364	365	372	372	371	375	370	359	346	335	346	344	344	346	340	338	356	348	335	336	347	354	356	373	354
5	366	362	360	363	366	365	360	357	365	353	356	364	372	376	378	376	372	362	366	341	348	346	353	354	362
6	359	363	366	362	359	360	359	354	345	343	338	358	354	352	347	341	341	352	344	338	326	346	355	364	351
7	365	359	348	365	353	347	346	341	319	307	302	313	329	336	335	314	330	341	328	320	360	353	362	365	339
8	365	360	356	380	370	350	338	318	305	286	280	290	311	322	304	283	267	298	255	341	150	123	142	166	290
9	198	226	226	237	257	257	256	248	241	243	240	251	254	262	275	282	293	322	293	302	307	314	316	324	268
10	326	316	323	320	325	328	326	322	314	312	312	316	324	329	328	323	324	331	328	328	340	330	332	335	325
11	335	336	337	341	347	348	348	340	331	328	327	329	337	338	334	334	338	341	342	346	344	343	341	343	339
12	344	346	347	353	356	360	362	350	337	329	321	329	340	346	347	346	348	353	355	356	356	356	356	356	348
13	354	354	355	358	360	362	359	349	350	353	341	350	359	348	339	335	344	353	354	353	354	355	358	356	352
14	358	356	360	360	362	363	363	354	348	347	348	350	352	354	355	356	360	360	362	360	361	362	362	362	357
15	362	365	364	368	371	372	365	354	346	345	342	353	362	360	354	352	358	363	362	362	359	359	362	360	359
16	360	361	362	365	366	365	363	354	353	351	352	358	364	364	362	364	364	366	371	371	371	372	372	372	363
17	372	374	374	377	378	378	374	368	364	362	364	366	368	366	366	371	363	366	371	371	371	371	370	368	370
18	365	368	368	370	368	366	359	355	356	356	346	340	346	354	360	362	360	367	368	365	369	372	382	370	362
19	364	364	365	367	371	371	362	350	347	353	354	355	360	365	368	370	367	369	371	372	371	371	364	366	364
20	369	370	369	369	368	366	356	347	347	352	358	360	363	366	365	362	365	370	366	371	370	370	377	374	365
21	374	371	370	371	372	370	361	353	350	347	353	360	368	371	367	360	360	365	366	371	371	372	372	374	365
22	373	374	374	377	378	378	372	363	356	356	356	363	372	376	372	368	371	374	374	377	377	377	378	378	371
23	378	377	376	380	383	383	377	364	352	352	362	380	383	372	366	366	365	371	376	371	372	371	374	374	372
24	373	372	373	374	377	377	370	360	354	360	369	374	378	383	379	377	377	378	380	383	384	383	379	380	375
25	382	379	378	378	378	374	363	352	348	353	357	364	368	376	376	375	377	380	380	382	382	379	378	378	372
26	380	379	378	383	382	382	372	365	356	356	360	365	374	380	382	376	374	378	377	377	377	377	375	374	374
27	374	376	376	377	379	380	377	398	408	390	382	391	396	386	380	366	370	374	377	374	371	373	395	374	381
28	362	360	359	362	378	368	366	352	346	331	320	316	326	323	318	320	336	343	352	368	368	365	369	372	349
29	360	362	353	353	358	357	351	332	329	329	325	327	325	339	340	335	340	340	348	348	360	356	361	365	346
30	381	356	359	365	359	355	344	336	324	338	335	329	328	338	350	356	338	353	362	363	377	380	365	362	352
31	362	362	362	364	364	377	385	328	320	346	317	310	344	338	299	312	328	348	347	341	353	357	355	360	345
Среднее по всем дням	359	358	358	361	363	362	357	348	341	339	338	343	351	352	349	347	350	356	355	357	354	355	357	358	353

Среднемесячн. Z = 43285

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Март Год 1970 Z = 43000 + = 0 =

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	276	279	279	278	277	277	277	276	267	270	275	285	285	289	297	297	297	292	291	289	288	287	286	283	283
2	284	282	279	280	281	287	284	283	275	275	280	283	287	286	286	284	286	283	286	284	283	283	283	283	283
3	277	278	280	281	281	283	285	281	267	267	263	265	269	273	277	282	283	283	282	278	282	283	276	280	277
4	280	281	281	276	278	283	282	278	267	261	272	277	286	289	290	292	295	288	290	292	291	289	288	287	283
5	280	281	283	283	284	285	283	275	268	268	271	274	276	275	277	278	281	282	286	286	287	288	287	285	280
6	283	283	280	280	281	280	280	272	265	263	268	276	277	281	283	286	288	290	284	286	282	286	278	274	279
7	268	271	276	276	276	283	288	282	271	269	271	278	286	287	291	295	300	294	295	293	294	291	287	288	284
8	281	284	284	285	280	280	285	285	291	295	291	298	302	306	322	352	338	323	316	310	262	282	327	332	300
9	332	323	318	309	311	315	316	316	314	312	308	313	315	322	323	321	322	310	310	311	308	308	303	302	314
10	296	297	300	299	302	303	302	298	293	291	293	295	298	300	301	300	301	299	298	299	299	297	298	298	298
11	297	297	297	296	296	297	297	291	285	282	280	282	289	293	295	295	295	295	295	295	294	294	294	294	293
12	294	294	294	294	294	296	300	296	293	289	288	287	287	291	295	294	293	293	293	292	293	293	292	291	293
13	291	291	291	291	292	296	297	290	285	281	274	276	282	288	293	294	295	294	292	291	292	292	291	291	290
14	291	291	291	289	291	294	293	287	278	278	281	278	281	287	288	288	288	289	289	289	289	289	289	289	287
15	289	290	287	288	289	290	288	283	274	272	272	281	283	284	286	288	291	289	288	287	288	289	289	288	286
16	288	288	288	288	289	292	291	282	274	271	271	274	278	285	288	286	286	286	287	287	287	287	287	286	284
17	286	285	285	286	286	287	288	282	270	266	265	267	273	278	283	283	284	285	286	286	287	286	286	285	281
18	285	285	284	285	287	288	287	282	274	269	267	272	279	285	287	285	286	287	286	286	286	287	282	281	283
19	283	285	285	286	288	291	288	280	269	265	264	269	276	283	285	284	283	284	285	285	284	284	284	284	281
20	285	284	285	286	287	289	285	278	271	269	271	274	276	278	283	283	284	285	285	286	286	285	285	283	282
21	282	282	283	284	286	288	287	284	276	271	270	269	273	278	284	283	285	285	286	286	285	285	284	284	282
22	284	284	284	284	285	286	285	281	272	266	265	271	276	281	283	282	283	283	283	283	283	283	283	283	281
23	282	282	282	283	285	285	281	272	266	265	265	270	274	275	279	281	282	285	284	284	284	283	284	283	279
24	283	283	284	285	288	289	285	276	268	264	264	266	271	275	280	278	278	281	281	282	282	281	281	281	279
25	282	282	282	282	284	284	284	280	272	271	270	270	271	274	278	282	280	281	281	281	281	281	281	281	279
26	281	281	282	283	284	287	287	282	273	268	267	268	269	275	278	277	280	282	281	282	282	282	282	282	279
27	282	282	282	282	283	285	282	276	266	255	257	259	261	266	272	274	280	282	283	283	285	285	275	273	275
28	277	278	282	284	283	283	282	278	278	271	275	288	290	292	295	297	297	295	293	292	287	288	285	281	285
29	278	283	281	284	287	286	286	282	281	275	272	276	280	288	293	295	295	294	294	292	291	289	289	288	286
30	281	281	285	287	288	288	286	278	273	268	265	272	282	289	290	291	291	295	291	290	290	285	284	285	284
31	286	286	286	285	288	291	283	268	275	268	265	272	280	282	296	314	299	298	297	293	296	294	290	285	287
Среднее по всем дням	285	286	286	286	287	289	288	282	276	273	273	277	281	285	289	291	291	290	290	289	287	288	287	287	285

Одесса

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Склонение

Месяц Апрель Год 1970 Д - 1° +

Дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Среди суточн.
1	62.0	62.1	62.2	62.0	63.0	65.1	66.8	66.8	64.7	61.1	58.1	56.2	55.6	57.1	59.4	61.3	61.4	61.3	61.2	61.2	61.1	60.7	61.0	61.4
2	61.4	61.6	61.7	61.7	63.2	65.9	67.9	68.1	66.2	62.0	57.3	55.0	54.8	57.3	59.6	60.5	60.3	60.5	61.1	60.8	60.5	60.1	59.6	59.2	61.1
3	60.7	61.2	62.2	63.0	64.3	67.0	68.9	67.2	64.9	61.7	57.8	55.6	54.7	56.3	58.4	59.7	60.7	60.7	60.6	59.9	60.3	60.4	60.3	60.3	61.1
4	60.5	60.5	59.4	60.9	62.8	64.7	66.4	65.3	63.1	60.3	56.1	53.6	54.0	55.6	57.1	59.0	59.2	59.6	59.6	60.1	60.5	60.7	60.9	61.3	60.0
5	61.3	61.5	61.4	61.7	62.8	64.7	65.7	65.5	63.4	59.4	56.7	53.8	54.2	54.6	56.3	57.2	58.8	59.2	59.4	59.8	60.2	60.5	60.6	60.9	60.0
6	61.3	61.4	61.1	60.6	60.9	63.4	64.0	63.4	63.3	59.2	57.8	56.4	55.3	57.5	60.9	63.0	63.2	62.7	60.7	60.7	60.5	60.4	59.8	61.1	60.8
7	61.5	60.7	61.2	62.2	62.8	64.5	64.7	65.2	62.8	59.2	56.1	53.8	54.2	56.1	58.0	58.9	59.3	59.6	60.5	60.4	60.5	60.5	60.5	60.1	60.1
8	59.6	62.2	62.0	61.5	61.5	64.0	66.9	65.7	62.6	58.4	54.9	52.7	52.9	55.0	58.4	60.5	60.6	60.3	60.2	60.2	60.5	60.3	60.7	61.1	60.1
9	61.1	61.1	60.9	60.7	62.8	65.1	65.9	64.3	59.4	55.2	52.5	50.4	52.9	57.1	58.6	59.4	59.7	59.6	59.6	59.8	60.2	60.3	60.9	61.7	59.6
10	61.1	61.8	62.2	63.4	65.3	67.6	68.3	66.8	63.6	59.6	56.1	54.4	54.5	55.8	57.3	58.1	58.6	58.8	59.2	59.4	59.5	59.6	60.3	61.5	60.5
11	62.2	62.6	61.3	60.9	62.5	64.5	65.8	65.1	62.2	59.2	56.2	54.8	54.9	56.3	58.7	59.6	59.9	60.2	61.1	60.6	60.1	59.8	60.1	60.5	60.4
12	60.9	61.3	61.7	62.8	63.7	64.7	64.4	63.0	61.4	59.2	56.6	54.8	54.6	55.5	57.5	59.9	60.2	60.3	60.5	60.1	59.8	60.1	59.8	59.9	60.1
13	60.7	60.9	61.4	62.0	63.0	64.3	64.6	63.2	60.5	57.0	53.6	50.8	52.5	54.6	57.2	59.0	59.2	59.2	59.1	59.4	59.6	59.8	60.1	60.2	59.2
14	59.7	60.3	60.7	61.7	63.6	65.9	67.8	66.8	63.4	59.0	54.9	52.5	53.3	55.4	57.8	59.8	59.7	59.6	59.8	59.8	59.8	59.9	60.1	60.2	60.1
15	59.9	60.3	60.5	61.3	63.4	66.0	66.8	64.5	61.3	57.8	55.0	54.2	55.1	56.5	58.2	59.4	61.7	62.4	62.8	61.3	62.9	61.3	61.3	61.5	60.6
16	64.7	64.3	65.2	63.5	64.0	64.9	66.8	64.9	61.4	57.8	55.0	54.0	55.0	56.8	58.4	59.1	59.4	59.6	60.1	60.5	64.0	64.8	67.4	67.1	61.6
17	68.7	63.0	62.8	62.4	62.0	65.2	67.7	66.6	63.2	60.7	57.3	56.7	56.3	58.6	60.9	60.8	61.0	60.9	61.5	62.3	63.0	65.1	63.4	62.2	62.2
18	61.7	61.5	61.5	62.0	63.7	65.8	66.4	64.7	60.6	56.8	52.9	50.8	53.0	55.9	55.2	56.7	59.4	59.4	60.2	60.2	60.2	61.3	59.6	62.0	59.6
19	62.0	62.0	61.7	62.0	64.0	65.6	65.9	61.7	60.5	59.1	56.0	55.9	56.7	58.0	59.6	60.9	62.0	62.2	62.2	61.2	61.7	60.9	60.7	60.7	61.0
20	61.1	61.4	61.6	62.3	64.1	65.6	66.5	65.0	61.2	58.0	55.9	54.4	54.3	56.2	58.1	59.9	61.8	64.9	61.3	59.3	59.3	60.3	60.2	60.8	60.5
21	60.2	58.6	60.9	62.3	62.5	62.1	64.4	63.6	59.8	57.1	55.1	54.9	57.6	57.5	60.6	66.3	73.4	69.6	68.8	67.5	60.7	69.8	73.6	70.9	63.2
22	68.8	70.9	72.9	71.5	72.1	66.3	66.7	65.4	62.3	59.1	57.0	56.8	57.2	58.1	59.5	61.0	62.1	61.8	61.6	61.4	61.6	61.8	62.3	62.6	63.4
23	63.3	64.2	64.5	65.2	67.1	68.3	68.3	66.7	62.8	58.1	54.9	53.9	54.2	56.6	58.1	59.7	61.3	61.8	65.0	63.1	62.7	62.5	61.4	62.4	61.9
24	62.9	63.5	63.7	64.8	66.5	67.7	66.9	63.7	59.5	55.6	53.2	52.2	54.7	56.0	57.9	60.6	60.6	61.8	62.3	61.5	62.9	62.5	60.9	61.0	61.0
25	58.9	60.2	62.3	63.9	64.7	66.1	66.0	63.7	59.3	55.1	51.8	50.9	52.4	54.1	57.6	60.3	60.6	60.6	60.8	62.7	63.4	61.8	62.3	63.1	60.1
26	61.8	61.0	62.5	63.1	65.7	68.1	69.0	67.5	63.5	59.3	54.7	52.2	52.4	54.9	57.6	60.0	60.8	61.0	61.8	64.4	65.0	63.7	63.1	61.8	61.5
27	60.2	62.6	61.8	62.5	65.2	68.1	68.2	67.1	63.9	59.5	54.5	52.4	52.8	54.9	57.4	59.5	60.6	61.0	61.8	61.6	60.6	60.6	60.8	60.8	60.8
28	60.6	59.9	60.8	62.5	64.6	67.2	68.3	66.0	61.6	57.6	54.8	54.2	54.8	56.2	58.0	59.7	60.8	60.6	60.9	61.0	61.0	61.3	61.4	61.5	60.6
29	61.8	62.5	62.5	62.9	64.4	66.3	66.5	65.0	61.4	58.7	56.0	53.9	53.7	55.1	56.7	58.7	59.8	60.4	61.1	61.3	60.9	61.6	62.5	62.4	60.7
30	61.6	61.8	59.8	62.4	64.8	66.3	66.9	65.8	62.1	58.9	56.2	56.0	55.1	55.7	56.8	60.6	62.3	61.1	60.4	59.9	60.2	61.5	60.6	61.4	60.8
31																									
19	61.7	61.9	62.1	62.7	64.0	65.7	66.6	65.3	62.2	58.7	55.5	53.9	54.5	56.2	58.2	60.0	60.9	61.0	61.2	61.0	61.1	61.5	61.5	61.7	60.8

Одесса

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Горизонтальная составляющая

Месяц Апрель Год 1970 H – 21000 + = .-

Дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Среди суточн
1	346	343	342	342	342	345	342	332	326	327	328	333	344	351	354	351	350	350	352	352	353	354	366	368	346
2	361	362	362	362	355	347	346	341	339	341	347	353	360	359	358	351	356	365	361	361	365	370	373	371	357
3	372	371	371	371	372	365	357	359	362	358	349	350	356	347	349	362	362	364	370	374	371	371	371	371	364
4	371	370	378	375	376	376	370	352	347	354	366	367	366	368	370	365	371	372	372	373	373	375	374	375	369
5	372	373	374	376	375	372	368	364	361	366	359	364	370	371	362	364	371	372	376	379	380	383	383	382	372
6	378	374	372	377	371	371	348	346	361	369	342	342	341	376	358	344	351	353	360	360	365	370	378	363	360
7	362	366	366	366	366	366	360	359	345	362	376	376	371	366	368	367	367	371	371	371	371	372	374	372	367
8	383	375	368	374	377	373	369	364	360	358	362	374	375	371	365	363	360	365	369	371	372	376	382	376	370
9	370	370	374	379	381	382	382	364	360	366	376	368	364	342	353	360	360	361	366	372	376	377	374	372	369
10	371	370	371	372	372	371	371	365	366	370	372	372	373	375	375	376	376	378	378	377	378	377	382	383	374
11	377	368	368	374	376	374	370	360	354	358	362	370	375	377	364	364	365	366	366	371	372	372	373	372	369
12	374	374	375	371	372	371	367	360	363	377	376	376	375	371	368	360	358	365	371	374	376	378	377	377	371
13	375	374	374	374	368	365	359	355	359	360	361	365	361	370	376	382	382	383	382	381	382	383	383	382	372
14	382	381	382	382	383	376	367	362	364	367	371	371	368	372	377	378	379	382	381	379	381	382	383	381	376
15	378	377	380	382	383	379	377	376	375	381	383	386	384	380	377	383	381	384	366	368	374	365	364	366	377
16	365	371	366	371	366	365	359	354	361	362	367	366	362	361	365	371	377	383	383	389	380	370	356	350	368
17	344	347	358	353	358	347	336	334	336	320	344	350	358	353	357	352	352	360	371	357	359	368	348	353	351
18	357	360	364	365	362	362	357	356	365	364	363	359	349	324	332	344	350	359	369	373	372	379	395	389	361
19	375	381	381	381	377	359	342	336	337	329	342	342	349	356	354	351	345	355	358	360	363	365	360	361	357
20	361	361	360	361	367	366	358	354	359	360	360	369	362	352	360	363	351	355	361	377	384	377	378	372	364
21	368	371	374	377	367	361	348	326	319	317	300	293	293	277	261	283	299	300	261	263	313	313	303	311	317
22	321	342	349	323	315	319	306	293	305	304	318	329	337	342	340	340	343	347	350	349	349	349	349	350	332
23	348	348	353	349	345	335	323	322	328	343	354	357	343	327	324	336	342	341	360	343	341	350	367	368	344
24	357	357	360	365	348	340	335	333	337	350	361	359	346	344	343	339	353	353	348	357	365	373	362	360	352
25	361	371	366	360	357	354	338	335	325	333	343	353	352	358	354	354	354	361	367	367	361	365	364	366	355
26	367	363	363	364	365	357	347	333	330	336	348	354	357	354	357	364	368	371	370	371	355	356	366	364	357
27	365	361	357	363	361	355	354	349	351	360	362	359	362	365	366	366	367	372	369	367	368	369	369	369	363
28	370	370	372	377	378	370	362	357	365	369	372	369	361	359	368	370	369	372	375	375	373	373	371	372	370
29	370	368	373	376	372	367	360	359	364	367	382	389	383	367	367	369	369	366	369	365	369	374	381	372	371
30	373	373	378	374	388	378	372	365	360	349	366	367	379	371	366	344	345	357	372	374	377	378	378	372	369
31																									
Среднее по всем дням	366	366	368	368	366	362	355	349	349	353	357	359	359	356	356	357	359	363	364	365	367	369	369	368	361

Одесса

Величество АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' здание Вертикальная + составляющая Z — 43000

Месяц Апрель Год 1970

Дни	Время мировое 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	285	288	290	292	293	295	291	284	276	269	266	270	278	286	289	288	288	289	289	289	290	291	289	286
2	287	288	287	288	290	291	289	283	273	265	263	267	273	282	292	291	289	287	289	289	289	287	286	284
3	284	285	284	286	288	288	285	282	271	264	264	272	278	283	287	291	289	289	288	287	287	287	287	283
4	286	286	286	283	288	289	287	282	275	269	268	269	274	280	284	283	285	286	285	285	286	285	285	282
5	285	285	285	286	288	289	289	286	276	267	261	270	273	280	282	284	286	286	285	286	285	285	284	282
6	284	284	285	286	287	289	290	282	277	270	267	282	287	289	296	295	294	293	292	290	290	290	286	284	286
7	286	288	286	286	288	287	287	278	267	263	260	265	273	281	284	284	284	286	285	286	286	286	286	281
8	286	278	283	286	288	287	286	275	263	254	249	252	263	277	284	286	284	286	286	285	286	284	281	278
9	282	284	285	288	288	286	283	272	269	267	264	274	289	293	292	290	287	288	289	289	289	288	287	286	284
10	286	286	287	286	289	286	269	271	265	259	257	261	266	272	277	280	281	283	283	284	285	285	282	278
11	281	281	284	286	286	284	280	272	267	262	260	266	272	278	283	285	285	286	286	287	287	286	286	285	280
12	285	285	286	286	288	288	285	281	277	272	265	267	268	272	280	286	286	288	288	287	286	285	285	284	282
13	284	284	284	285	285	285	281	276	275	272	263	262	270	279	281	283	281	282	282	282	283	283	283	283	280
14	282	282	283	284	286	286	278	270	266	262	258	260	266	272	280	278	277	278	281	282	282	283	282	281	277
15	281	282	283	286	289	286	284	275	263	260	259	264	269	273	278	281	278	283	282	286	285	285	285	286	279
16	284	282	282	285	284	283	271	266	261	250	244	252	262	270	277	281	281	282	282	284	280	276	274	277	274
17	274	285	278	286	286	287	285	278	270	265	274	273	277	284	292	291	289	290	292	286	287	283	282	286	282
18	287	287	287	287	290	289	284	278	274	266	267	269	276	283	286	287	291	291	292	291	290	288	284	276	283
19	275	280	279	283	283	283	278	272	264	262	271	272	280	284	285	284	288	290	290	290	290	288	288	288	281
20	288	288	289	292	291	287	277	270	269	268	267	273	282	287	289	291	292	295	297	296	293	290	290	287	285
21	288	290	286	290	292	294	289	285	285	280	278	292	319	337	338	348	337	324	320	319	303	293	285	294	303
22	283	285	280	282	290	297	291	284	277	278	283	285	290	291	292	293	295	296	297	296	296	296	295	295	289
23	294	294	295	296	294	292	289	284	276	267	267	273	283	291	295	300	301	302	302	297	299	298	299	289	291
24	289	291	291	289	289	290	284	280	276	274	273	273	278	287	295	298	300	299	299	300	295	294	293	292	289
25	294	289	288	289	292	290	287	283	276	273	271	276	281	290	293	296	293	292	293	292	294	291	291	290	288
26	290	288	291	293	294	295	291	282	272	264	264	267	276	287	291	292	291	291	292	292	290	292	292	291	286
27	287	285	289	292	293	293	292	283	274	269	265	267	273	281	289	292	291	291	290	292	292	291	290	290	285
28	289	289	288	288	287	287	285	275	262	260	262	268	272	276	286	289	288	287	288	288	288	288	288	288	282
29	288	288	289	288	285	284	281	276	277	278	274	266	270	273	281	287	291	292	292	292	292	291	288	287	284
30	288	289	288	284	285	283	282	275	271	266	270	271	275	281	291	295	299	298	298	294	293	290	288	287	285
31																									
Среднее по всем дням	285	286	286	287	289	288	284	278	271	266	265	269	276	283	288	290	290	290	290	289	288	287	286	284	

Среднемесячн. $D = 2°00.3$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение.

Месяц Май Год 1970 $D =$ $1° +$ $=$ $_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	61.0	61.5	62.3	64.1	66.5	67.1	66.3	63.6	60.4	57.0	54.9	54.1	54.7	56.8	57.9	58.9	59.3	59.1	59.7	61.4	62.6	62.3	62.1	59.9	60.6
2	61.0	61.4	62.3	62.9	64.6	66.8	67.2	65.0	62.0	59.3	56.4	55.1	54.5	56.0	57.4	59.3	60.9	60.4	61.6	61.2	60.6	60.6	60.1	59.9	60.7
3	60.6	61.4	62.3	64.3	66.0	67.4	67.7	66.3	62.9	58.3	54.4	52.4	53.2	55.0	57.4	58.7	59.7	59.5	59.5	60.2	61.1	62.3	61.0		60.5
4	61.3	61.8	62.5	64.0	65.8	66.9	66.9	64.4	60.6	55.8	52.8	52.6	53.9	55.5	57.9	60.4	62.1	62.1	60.8	59.9	60.2	61.0	60.8	61.0	60.5
5	61.1	61.6	62.3	64.2	65.8	66.9	66.5	64.8	60.5	55.1	52.6	52.3	55.3	56.4	58.3	61.0	61.0	60.6	59.9	59.9	59.7	59.7	60.2	60.9	60.3
6	61.0	61.4	62.5	64.4	65.5	65.8	65.0	62.3	59.1	57.0	55.5	55.5	56.6	57.6	59.1	61.0	62.5	61.4	60.8	59.9	60.0	60.4	60.1	60.8	60.6
7	60.9	61.8	62.5	63.3	65.0	65.6	65.4	62.5	58.7	55.7	53.9	53.7	54.3	56.2	57.6	58.7	58.9	58.9	59.1	59.9	60.1	60.2	60.6	61.0	59.8
8	61.0	61.6	62.7	64.6	65.6	66.5	65.8	63.9	59.9	56.4	54.0	52.7	53.2	55.1	57.6	59.7	60.6	60.2	60.4	60.0	60.4	59.9	60.4	61.2	60.1
9	61.4	61.2	62.1	64.1	65.8	67.1	67.7	65.8	62.1	58.5	56.0	54.7	54.5	55.3	57.0	58.9	60.2	60.0	59.9	60.6	60.2	59.9	59.9	59.9	60.5
10	60.2	60.5	61.2	63.1	65.4	67.2	68.2	66.4	62.5	58.1	54.3	52.6	53.2	55.1	57.2	58.9	60.2	59.9	59.9	60.2	60.4	60.2	59.9	59.9	60.2
11	60.2	60.5	61.5	63.6	65.8	67.8	68.8	66.3	61.6	57.0	52.6	50.5	51.8	53.7	55.6	57.9	58.7	58.7	59.1	59.3	59.3	59.9	60.4	59.9	59.6
12	61.2	60.8	63.3	65.2	65.8	66.9	67.3	64.6	59.9	54.9	50.4	51.0	52.0	54.5	56.0	57.9	59.1	59.9	61.4	60.6	62.5	62.1	63.0	62.1	60.1
13	62.7	62.9	62.7	63.3	64.5	65.0	65.2	63.9	61.8	58.7	56.2	55.3	55.7	56.6	57.6	59.2	59.9	59.6	59.5	59.7	59.9	59.9	60.6	61.2	60.5
14	61.6	60.6	61.3	63.7	66.0	66.3	65.9	65.2	62.7	59.5	55.8	53.4	53.0	54.5	56.4	57.9	60.2	61.0	62.5	63.3	62.9	62.9	61.4	61.8	60.8
15	62.7	63.1	62.9	63.7	66.3	67.3	67.1	65.2	61.7	58.1	55.1	54.7	54.5	55.7	57.0	58.9	59.9	60.2	60.6	60.8	61.0	60.9	60.8	61.0	60.8
16	60.6	61.0	62.0	63.9	66.7	67.7	67.1	64.8	61.2	57.9	55.6	54.7	54.9	57.0	58.9	59.9	60.5	60.4	59.9	59.8	59.9	60.4	60.6	60.2	60.6
17	59.3	61.2	62.5	64.1	66.9	63.9	64.3	63.3	59.3	55.5	53.2	52.6	53.8	55.1	57.4	59.5	59.9	60.0	60.2	59.7	59.7	59.5	59.9	59.9	59.6
18	60.2	61.0	61.8	64.8	67.5	67.5	66.3	62.9	58.5	55.7	53.7	53.0	54.5	56.7	59.1	60.3	60.8	59.9	59.3	59.5	59.5	59.7	60.0	60.3	60.1
19	60.4	60.9	61.8	63.7	64.8	65.1	64.2	61.0	56.6	52.4	50.2	50.5	52.8	54.9	56.6	58.2	59.3	59.7	59.7	59.7	59.5	59.2	59.7	59.5	58.8
20	59.9	60.8	62.7	65.0	66.5	66.5	64.8	63.5	59.1	54.9	52.2	51.6	53.0	55.5	58.4	60.2	61.2	60.6	60.8	59.9	62.6	61.8	61.4	61.8	60.2
21	62.3	61.8	62.4	65.0	67.3	67.9	67.5	64.3	59.9	54.9	51.4	50.5	52.0	54.3	57.2	60.6	61.0	60.4	60.6	61.2	61.0	60.6	60.2	59.5	60.2
22	59.2	61.0	61.8	63.1	66.5	67.9	68.0	64.5	59.6	55.0	56.3	56.1	53.1	54.6	57.5	60.0	61.1	62.3	62.8	61.1	60.7	60.5	60.9	60.9	60.6
23	61.1	61.1	61.9	63.0	63.8	65.0	66.1	64.5	61.1	56.8	52.9	52.7	54.2	56.1	57.5	59.4	60.3	60.5	61.1	60.7	60.3	60.4	60.9	61.7	60.1
24	61.9	61.7	61.9	63.8	65.7	67.0	67.6	66.1	62.1	58.0	54.2	52.2	52.3	52.7	55.4	58.4	59.3	59.6	59.6	59.8	60.0	60.0	60.7	60.5	60.0
25	60.0	60.5	61.1	62.6	62.4	64.2	66.4	64.9	63.0	59.0	54.0	50.8	51.2	53.2	56.3	59.2	61.5	61.7	61.1	60.7	60.7	60.9	61.1	60.7	59.9
26	60.5	60.7	61.7	63.2	65.5	67.6	68.2	66.6	62.4	57.3	53.4	51.3	51.9	53.3	55.8	58.6	59.8	60.5	60.0	59.8	60.0	60.0	60.3	61.2	60.0
27	61.3	61.7	62.3	63.1	65.1	65.9	65.5	63.2	60.0	56.9	54.6	52.5	53.1	54.4	56.3	58.4	59.4	59.4	59.6	61.7	62.1	62.4	63.8	63.6	60.3
28	63.6	63.0	65.3	64.9	67.4	68.4	67.2	63.4	58.4	53.8	51.4	51.0	50.2	54.0	59.0	62.4	61.7	60.8	59.6	60.3	61.1	60.9	61.5	60.3	60.4
29	61.5	61.9	64.0	65.9	66.8	67.0	65.1	63.7	62.8	60.5	58.2	56.7	55.5	56.1	58.4	61.1	62.4	62.3	61.9	61.5	62.6	61.5	60.9	60.6	61.6
30	60.9	61.1	62.8	64.2	66.6	67.8	68.7	66.3	63.8	61.5	58.8	56.9	56.5	56.9	58.8	60.9	61.5	62.2	61.3	60.9	60.7	61.1	61.1	61.2	61.8
31	61.5	61.7	62.2	64.0	65.9	67.0	67.2	65.3	61.9	58.4	55.8	55.0	55.2	57.3	58.8	59.6	59.8	59.8	60.0	60.5	60.7	60.9	60.9	61.1	60.9
Среднее по всем числам	61.0	61.4	62.3	64.0	65.8	66.7	66.6	64.5	60.8	57.0	54.2	53.2	53.7	55.4	57.5	59.5	60.4	60.4	60.4	60.4	60.7	60.7	60.9	60.8	60.3

Среднемесячн. H 21373γ

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Май Год 1970 H = 21000 + = °=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	371	372	373	375	367	360	349	347	360	372	378	378	374	358	365	372	371	378	379	377	377	377	369	373	370
2	377	369	372	373	372	372	365	353	348	359	363	372	379	373	375	373	375	372	379	379	375	372	377	377	371
3	377	373	376	378	378	375	369	360	360	372	386	389	383	390	384	372	379	379	379	383	385	383	411	396	380
4	381	377	379	379	375	367	355	347	345	366	375	378	382	384	373	373	367	369	378	381	379	378	375	375	372
5	375	373	378	381	379	372	361	355	357	366	366	357	367	385	373	366	369	370	381	383	379	379	378	376	372
6	372	367	371	372	366	355	348	348	355	366	374	372	369	372	369	370	377	373	379	383	385	387	387	387	371
7	387	387	387	389	385	379	371	365	366	372	380	379	383	383	383	383	383	385	384	389	390	386	387	381	382
8	383	383	385	387	385	377	366	360	362	372	384	385	390	394	393	388	390	381	384	383	378	378	379	377	381
9	373	375	381	382	377	372	363	359	356	361	371	373	377	377	373	373	373	373	379	381	379	379	380	379	374
10	379	379	379	378	374	369	361	361	361	367	377	379	385	387	384	379	373	378	383	383	383	383	382	382	377
11	381	384	384	385	383	378	375	373	375	378	383	385	389	390	389	385	383	385	389	393	395	395	395	407	386
12	396	385	381	385	378	377	373	369	366	378	390	381	389	379	367	361	361	374	369	374	380	387	371	369	377
13	367	366	372	377	373	360	351	348	353	360	367	369	366	368	373	370	375	378	379	382	378	381	378	379	370
14	373	377	384	383	373	369	367	360	360	377	391	390	387	379	379	385	381	375	381	363	359	357	366	366	374
15	378	381	367	369	369	357	359	361	361	361	369	389	390	378	375	366	366	373	371	373	377	372	372	373	371
16	375	373	375	378	375	365	357	359	371	394	406	405	397	383	372	365	367	377	379	381	381	377	378	383	378
17	385	385	390	393	371	362	360	364	377	387	393	387	371	371	357	371	372	375	382	383	384	384	383	390	378
18	385	382	380	380	374	366	356	345	348	362	382	391	384	376	374	376	376	381	389	388	388	386	386	386	377
19	386	385	386	382	374	361	354	354	360	366	376	380	386	384	384	382	381	388	389	392	396	398	396	394	381
20	394	395	396	385	370	361	358	356	359	362	367	376	369	362	367	373	367	376	378	377	380	380	372	380	373
21	378	370	373	368	362	355	344	336	337	350	358	379	386	382	374	371	370	379	380	378	380	374	378	380	368
22	390	386	384	382	374	361	349	349	361	368	367	370	378	384	380	378	379	379	384	379	378	376	374	374	374
23	376	379	384	384	374	363	355	354	361	376	392	392	388	385	384	376	376	384	385	384	382	379	396	382	379
24	379	380	384	385	374	362	355	350	349	354	361	364	376	393	385	370	376	383	384	385	384	384	379	378	374
25	384	386	391	391	382	366	346	350	359	356	354	355	360	366	371	370	370	373	376	379	379	377	378	379	371
26	376	379	384	384	379	373	367	361	362	369	376	376	384	388	391	386	384	382	386	386	386	390	388	384	380
27	386	385	391	396	390	380	374	368	366	380	391	400	386	384	384	393	380	372	376	385	366	361	384	372	381
28	364	396	380	371	368	358	350	349	350	370	346	349	319	326	306	302	304	318	334	349	350	356	358	353	346
29	355	360	360	358	356	348	334	325	324	349	352	350	343	342	356	352	354	358	364	371	367	366	361	359	353
30	361	362	368	373	367	361	355	354	348	334	344	360	373	370	370	372	361	366	364	369	366	366	367	367	362
31	368	368	376	376	365	355	352	349	355	360	372	380	382	367	368	366	373	377	376	378	379	379	379	380	370
Среднее по всем дням	378	378	380	380	374	366	358	354	357	367	374	376	377	376	373	372	371	375	378	380	379	378	379	379	373

Среднемесячн. Z = 43282

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Май Год 1970 Z = 43000 + = 0=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	288	290	292	294	294	291	283	280	275	272	271	277	285	288	293	294	291	289	290	289	291	288	291	290	287
2	285	288	291	292	293	294	290	284	279	272	266	270	273	278	284	288	287	286	288	289	289	288	289	287	285
3	286	286	288	289	288	285	282	275	267	263	264	269	274	281	285	285	288	286	287	288	287	287	286	280	282
4	280	283	287	289	288	286	281	274	269	266	267	271	275	279	281	285	286	287	289	287	286	286	286	286	281
5	286	286	290	293	292	292	289	281	276	274	275	280	286	291	293	293	290	288	290	287	287	287	287	286	287
6	283	286	288	288	288	287	283	279	272	264	258	263	271	279	282	284	287	287	288	287	286	285	285	284	281
7	285	283	284	285	285	285	276	273	269	262	260	265	274	277	283	284	281	282	284	285	284	284	285	283	279
8	285	284	286	286	285	283	279	275	276	268	260	262	269	273	277	282	283	282	285	286	285	285	285	283	279
9	284	286	288	289	287	284	276	271	267	266	265	267	273	277	282	285	286	285	285	285	284	285	285	284	280
10	284	285	286	288	288	285	281	276	268	260	249	247	255	265	275	279	280	281	282	283	283	283	283	283	276
11	283	284	285	286	287	285	280	269	260	255	256	263	274	282	285	284	282	279	280	281	282	282	282	283	278
12	275	280	281	286	286	282	271	260	254	255	257	259	270	279	283	287	288	291	290	289	287	285	280	283	277
13	282	284	287	283	283	282	282	280	277	273	271	272	275	280	284	285	286	285	285	285	285	286	285	284	282
14	283	285	286	285	285	285	283	277	273	266	263	261	266	269	277	285	287	290	288	287	288	288	290	287	281
15	285	281	282	286	288	284	282	273	266	266	264	268	270	271	280	282	285	285	285	287	286	286	285	285	280
16	285	286	289	289	288	288	282	271	264	262	264	267	273	281	286	286	284	287	287	288	286	286	286	286	281
17	285	282	285	284	281	287	282	273	265	262	262	265	265	277	279	286	286	285	286	286	286	286	285	285	279
18	282	284	288	288	286	280	276	266	259	259	261	264	271	276	283	285	283	284	284	284	284	283	283	283	278
19	283	284	286	288	287	282	272	261	254	259	264	263	268	274	281	283	282	285	285	286	286	283	282	282	278
20	283	284	285	285	286	285	287	284	275	267	268	272	280	288	294	295	292	291	289	288	288	285	284	285	284
21	281	285	289	290	290	289	286	281	271	268	271	272	275	284	289	291	288	286	287	286	286	285	286	287	283
22	284	280	284	285	285	281	274	265	258	257	256	263	269	277	282	284	287	286	287	285	285	285	285	285	278
23	285	286	286	285	285	286	281	275	271	269	272	275	275	282	285	285	284	285	284	285	285	285	284	280	281
24	281	283	284	287	288	288	287	284	274	264	258	257	264	277	283	285	286	284	284	284	284	284	283	284	280
25	284	283	283	285	287	287	286	285	282	270	268	272	279	289	297	294	291	287	285	286	285	285	285	284	284
26	284	286	288	289	287	283	280	280	281	272	262	254	256	264	274	281	282	281	282	282	283	283	282	282	278
27	283	284	286	286	286	288	282	273	265	269	262	265	266	273	282	288	289	288	290	288	287	287	284	279	280
28	281	279	274	282	285	287	287	279	276	269	275	290	312	338	335	324	314	307	305	302	301	301	298	297	296
29	295	295	295	294	292	291	288	287	282	282	283	284	286	287	291	293	296	294	294	294	293	293	291	292	290
30	291	293	294	296	295	293	291	289	282	271	270	274	280	282	290	295	295	296	295	293	292	292	292	292	289
31	291	292	295	295	292	288	283	276	272	268	271	274	279	285	292	293	292	288	288	288	288	289	289	288	286
Среднее по	284	285	287	288	288	286	282	276	270	266	265	268	274	281	286	288	288	287	287	287	287	286	286	285	282

Среднемесячн. $\mathcal{D}$ = 2°00.5

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение

Месяц Июнь Год 1970 $\mathcal{D}$ = 1° + 0 −

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	61.1	60.7	60.7	61.5	64.5	63.8	65.9	65.2	62.8	59.4	56.7	54.4	54.9	57.5	59.8	61.3	62.6	63.6	60.9	60.5	61.3	60.0	61.3	60.7	60.9
2	60.2	60.9	62.2	63.2	65.7	67.5	66.8	65.3	61.8	57.1	53.6	52.7	53.1	55.2	58.6	60.6	61.5	60.7	60.5	60.5	60.0	60.3	60.6	61.1	60.4
3	60.9	60.9	61.3	61.7	62.8	64.0	65.1	64.7	61.9	58.8	55.6	55.2	56.5	58.2	60.7	62.2	61.9	61.3	61.5	61.3	60.3	60.0	60.5	60.0	60.7
4	60.7	59.4	60.5	62.8	63.1	63.2	64.2	63.2	61.2	58.8	57.5	56.5	55.6	55.8	58.6	60.0	61.1	60.9	60.3	60.7	60.4	60.7	60.1	60.9	60.3
5	61.7	61.5	61.3	60.7	62.8	63.2	64.5	64.8	63.8	61.3	57.8	56.1	55.0	54.6	56.5	58.1	59.6	60.8	60.5	60.7	60.7	60.7	60.9	61.3	60.4
6	61.5	60.9	61.3	62.3	63.1	64.5	65.3	64.0	61.1	57.4	54.8	53.2	53.1	54.2	56.5	58.4	60.3	60.7	60.5	60.9	60.7	60.4	60.1	60.3	59.8
7	60.6	60.9	61.8	63.2	64.7	65.5	64.7	62.4	59.8	56.5	53.8	53.1	53.1	54.0	55.8	56.9	58.2	58.2	58.0	59.4	60.5	61.9	60.5	61.5	59.4
8	61.9	61.5	63.0	64.0	66.1	65.3	64.0	64.2	60.7	56.5	52.5	51.2	52.7	54.4	57.1	59.8	60.9	60.9	60.5	60.9	60.3	60.4	60.5	61.2	60.0
9	61.7	62.2	63.2	63.7	64.7	65.5	65.5	63.4	60.7	57.5	55.6	54.8	55.0	56.3	58.4	60.2	61.1	60.5	60.1	61.0	60.9	60.9	61.7	61.7	60.7
10	62.1	62.1	63.4	65.2	66.6	66.4	64.9	64.0	61.5	58.0	54.2	52.7	53.5	55.2	57.3	58.9	60.3	61.7	62.2	61.3	61.0	60.7	60.5	60.6	60.6
11	61.5	61.7	62.6	63.6	66.3	67.2	66.9	64.8	61.6	57.6	54.8	53.3	53.5	54.8	56.9	58.7	59.5	60.5	60.7	59.9	59.8	60.0	60.6	61.1	60.3
12	61.5	61.7	62.6	64.2	65.3	65.5	65.7	64.2	61.0	57.1	54.8	53.8	53.8	55.4	57.3	58.2	59.0	59.2	59.0	59.6	60.0	60.0	60.7	61.3	60.0
13	61.5	62.2	63.1	64.6	65.5	66.4	67.0	64.0	61.9	58.0	55.7	54.6	54.0	54.3	56.9	58.4	60.0	60.3	60.0	59.8	60.9	61.5	61.9	61.7	60.6
14	61.9	62.2	62.8	63.0	64.7	65.9	67.4	66.8	63.2	57.6	53.4	51.9	52.1	53.2	56.4	58.6	59.4	59.2	59.2	61.4	61.6	60.7	60.8	61.0	60.2
15	59.7	62.2	61.8	62.9	64.9	67.4	69.1	68.2	63.2	58.2	53.5	51.5	52.1	52.6	55.8	58.2	59.4	60.5	59.6	59.2	60.0	62.8	61.1	61.4	60.2
16	62.6	63.0	63.6	64.1	65.6	66.3	66.0	65.5	61.9	58.3	55.2	53.3	52.5	54.6	56.8	58.2	59.4	59.4	59.4	59.6	60.3	60.5	60.5	60.4	60.3
17	60.5	61.2	62.6	64.3	65.5	66.6	66.7	65.2	60.7	56.3	51.6	48.7	47.7	51.0	54.2	57.1	59.8	61.7	61.3	61.1	62.5	62.8	63.1	64.3	59.9
18	63.2	61.6	62.0	62.8	64.9	66.1	66.4	65.7	61.9	57.3	51.6	48.2	46.6	50.6	55.6	58.8	59.0	59.6	58.8	59.6	60.3	61.1	61.1	61.0	59.3
19	61.9	63.0	64.2	66.8	69.5	70.5	69.4	65.5	61.3	57.3	54.8	53.5	52.9	54.8	58.0	60.1	61.1	60.9	61.3	61.1	60.5	61.3	61.5	62.2	61.4
20	64.2	64.0	64.9	66.2	67.0	66.3	66.8	64.1	61.2	58.1	54.5	52.6	52.3	54.0	56.9	59.1	61.6	63.5	61.7	61.6	64.7	63.1	63.9	65.4	61.6
21	66.7	63.7	64.0	63.1	65.6	67.6	67.4	66.6	63.5	59.9	57.0	54.9	55.0	55.7	58.2	60.4	61.6	61.7	60.6	59.5	59.1	59.4	60.2	61.4	61.4
22	62.1	62.9	63.9	65.2	66.9	67.5	67.0	65.7	63.3	59.9	56.6	53.4	52.5	52.6	54.1	56.3	57.9	59.1	59.4	60.4	61.2	61.1	61.4	61.8	60.5
23	61.4	61.4	61.8	62.9	64.2	65.4	66.0	66.0	64.8	61.3	58.1	54.9	53.6	53.2	54.9	57.8	59.7	60.1	60.6	60.6	60.9	60.5	60.8	60.6	60.5
24	60.1	59.7	61.4	63.5	65.6	66.2	66.4	65.4	62.5	60.5	58.5	55.7	53.9	53.2	55.5	56.8	58.5	59.1	58.9	59.2	61.6	59.9	59.1	60.6	60.1
25	60.6	61.8	62.9	63.9	65.4	66.4	66.0	64.8	62.3	58.3	56.4	54.9	54.5	55.5	57.4	59.1	60.1	60.6	60.2	59.9	59.7	59.3	60.9	60.6	60.5
26	60.5	60.6	61.4	61.7	63.1	64.2	65.4	63.6	61.0	59.7	57.4	54.9	54.3	54.9	56.8	60.1	63.3	62.3	62.9	64.8	63.3	60.6	60.8	61.2	60.8
27	60.8	61.4	61.8	63.3	63.3	64.8	65.2	65.0	58.6	55.5	55.3	53.5	52.2	57.4	58.8	59.5	61.3	61.0	60.8	59.6	60.0	60.6	61.0	61.6	60.1
28	61.8	60.9	61.6	64.6	65.4	65.3	65.4	64.3	62.1	58.9	56.5	54.9	54.9	55.9	58.3	60.8	61.2	61.1	60.6	61.0	60.8	61.0	60.8	61.0	60.8
29	61.2	62.0	63.3	65.6	67.5	67.7	67.4	65.0	62.0	58.3	55.1	52.7	52.4	54.9	57.2	60.4	62.6	63.3	63.3	62.5	62.3	62.9	61.6	61.6	61.4
30	61.4	62.0	63.1	64.6	66.6	67.9	68.5	66.9	64.3	60.4	57.0	54.5	53.2	54.3	56.4	59.3	61.3	62.0	61.4	60.8	60.6	60.4	60.6	60.6	61.2
31																									
Среднее по всем дням	61.6	61.7	62.5	63.6	65.2	66.0	66.2	65.0	61.9	58.3	55.3	53.5	53.2	54.6	57.1	59.1	60.4	60.8	60.5	60.6	60.9	60.8	61.0	61.3	60.5

Среднемесячн. $H = 21372+$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Горизонтальная составляющая

Месяц Июнь Год 1970 $H = 21000 + = {}_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	379	379	380	392	398	385	374	356	349	340	368	370	368	348	349	355	361	368	370	367	368	375	368	367	368
2	368	372	391	390	370	358	355	349	350	361	376	384	385	379	372	378	374	378	377	378	384	378	376	379	373
3	378	380	378	379	364	358	354	349	348	364	374	376	380	371	380	356	363	368	373	378	378	378	374	376	370
4	373	374	374	380	367	354	345	341	344	358	367	374	373	366	361	376	366	373	380	383	379	378	380	384	369
5	374	379	385	385	378	365	350	343	355	370	379	374	374	376	370	373	377	379	380	382	385	384	384	385	374
6	383	385	388	388	384	389	363	357	358	372	372	384	385	379	374	373	373	379	384	388	386	386	386	384	379
7	384	384	385	387	384	373	364	354	358	367	386	396	396	388	386	388	390	398	404	398	398	396	393	408	386
8	396	391	398	392	385	360	352	348	348	349	352	358	368	382	378	371	374	380	384	382	378	379	380	374	373
9	374	373	380	385	382	378	370	358	349	361	373	380	386	384	382	379	382	386	391	392	386	378	372	372	377
10	372	376	379	380	374	367	360	360	358	364	372	378	385	382	373	368	376	387	391	382	380	378	374	376	375
11	376	380	382	385	379	368	358	351	357	372	378	380	381	386	385	386	384	392	385	384	380	379	382	384	378
12	385	387	391	392	388	376	365	368	368	374	378	382	386	387	385	386	386	390	396	392	390	390	385	385	384
13	385	390	394	396	388	382	378	373	366	363	363	367	372	364	372	382	367	378	387	380	379	376	374	373	377
14	376	380	388	391	372	355	343	344	350	356	367	373	378	385	386	385	380	384	396	396	380	385	388	388	376
15	391	396	394	388	379	368	362	346	340	350	361	362	370	372	374	379	373	373	384	387	385	386	378	376	374
16	378	382	385	379	373	354	349	343	343	349	361	371	380	373	376	378	378	379	384	386	387	385	382	391	373
17	388	391	394	391	382	372	367	368	386	388	396	397	394	385	391	380	386	385	384	380	376	370	375	369	383
18	371	381	376	373	362	358	350	337	336	323	334	343	342	357	355	355	344	351	361	363	358	356	373	367	355
19	368	374	374	364	354	340	324	325	324	328	334	354	362	368	370	370	367	376	378	376	373	390	380	378	360
20	382	384	376	374	355	334	315	306	304	307	325	340	349	354	352	347	344	364	350	354	364	349	349	349	347
21	367	357	365	359	361	336	326	312	316	319	322	327	337	350	350	350	352	357	357	367	373	374	380	377	350
22	373	374	380	386	382	372	362	354	354	352	356	356	361	370	378	382	378	378	386	391	390	393	388	380	374
23	379	380	384	386	385	374	366	355	349	350	356	364	368	375	382	374	373	374	375	382	385	386	384	385	374
24	386	386	390	392	390	386	379	368	364	364	370	378	385	392	394	392	386	396	403	403	398	393	393	387	386
25	386	393	385	385	370	356	350	348	343	346	355	362	367	382	384	380	373	376	379	380	380	386	385	382	372
26	382	386	393	396	384	374	364	354	355	359	368	376	374	381	391	403	387	384	386	381	374	371	373	373	378
27	376	380	379	373	372	368	386	370	352	366	355	362	342	304	344	346	355	364	367	368	364	360	363	366	362
28	364	364	366	366	358	348	346	341	338	337	339	363	367	361	361	363	362	367	373	373	374	372	372	370	360
29	371	372	374	378	370	360	350	344	355	368	376	382	389	396	394	394	381	374	370	370	368	364	370	370	372
30	373	375	380	386	385	376	362	344	342	346	356	364	372	372	376	376	376	379	384	385	385	385	383	383	373
31																									
Среднее по всем дням	378	380	383	383	376	365	356	349	349	354	362	369	373	372	374	374	372	377	381	381	380	379	378	378	372

Среднемесячн. Z = 43284

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Июнь Год 1970 Z = 43000 + = o =

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	289	290	290	287	282	281	280	276	275	267	277	275	280	286	296	302	303	300	296	295	292	292	288	290	287
2	290	291	295	289	286	282	278	270	266	260	259	260	264	274	282	290	289	288	288	288	288	285	286	286	281
3	285	288	289	292	288	287	284	276	272	268	266	270	278	282	294	291	291	291	290	292	290	290	288	288	285
4	287	288	287	289	290	291	287	282	280	276	276	278	279	287	291	297	293	292	291	289	288	288	288	284	287
5	284	289	291	289	289	287	283	271	264	262	258	259	264	274	282	286	286	287	286	287	288	287	287	286	280
6	285	286	289	290	291	291	288	281	274	270	263	268	271	275	284	287	287	286	286	286	285	285	284	284	282
7	284	285	287	288	289	287	280	261	250	249	253	254	256	262	273	281	281	284	283	282	284	285	283	282	275
8	274	280	279	276	274	285	293	288	282	273	267	265	274	285	286	284	286	287	286	286	285	285	284	284	281
9	285	286	289	289	289	290	288	286	282	278	273	268	272	276	286	288	286	285	286	286	283	283	283	284	283
10	285	286	288	288	286	283	278	275	274	273	269	264	266	274	281	287	291	291	289	287	287	286	285	286	282
11	285	286	288	288	287	286	280	276	271	265	260	261	259	269	278	282	286	287	287	286	285	285	285	285	279
12	285	287	288	288	285	286	280	270	261	262	260	261	269	276	284	285	284	286	287	285	284	283	283	283	279
13	283	285	285	282	276	270	270	267	265	267	261	267	278	290	294	296	293	290	288	286	286	286	286	286	281
14	287	289	291	292	285	281	279	274	274	269	266	268	274	285	290	292	288	284	286	285	286	287	287	286	283
15	286	279	280	274	278	283	286	282	278	269	269	273	285	293	297	298	297	292	292	290	290	287	286	284	284
16	284	286	287	285	286	287	291	287	285	280	273	273	278	279	287	288	287	284	285	286	287	285	286	286	284
17	283	287	289	289	285	282	282	278	267	256	252	252	256	264	279	280	287	286	288	288	288	287	286	283	278
18	284	281	282	283	283	286	286	283	275	279	286	289	295	313	320	316	307	301	299	298	296	295	293	287	292
19	288	289	289	287	289	282	278	278	272	268	270	273	277	282	287	291	292	292	290	289	289	289	283	284	284
20	281	282	280	280	275	274	277	280	279	278	279	279	287	297	300	305	306	309	299	298	294	291	292	291	288
21	289	287	286	286	287	291	292	289	292	287	280	282	288	292	296	300	302	300	297	296	295	294	294	291	291
22	291	291	293	293	289	285	285	279	270	264	265	269	276	277	279	284	286	289	289	289	289	288	286	287	283
23	288	289	291	293	294	292	289	284	279	277	273	273	277	283	289	288	289	288	288	288	287	287	286	287	286
24	288	288	289	292	288	286	287	284	281	278	274	271	270	274	285	289	287	287	286	286	284	286	286	285	284
25	287	283	285	288	286	281	279	280	283	277	273	272	272	285	292	293	292	289	287	287	287	287	285	285	284
26	286	288	291	290	289	287	280	284	285	280	274	271	279	287	296	304	300	298	297	291	292	290	290	289	288
27	290	292	294	293	291	283	273	259	268	270	264	278	289	290	300	298	301	297	297	295	294	294	293	293	287
28	293	295	295	297	294	290	283	284	284	281	280	285	288	290	298	299	293	290	291	291	292	291	290	290	290
29	290	291	294	292	288	284	281	272	267	264	263	269	273	287	291	298	297	296	294	294	292	292	292	290	285
30	291	291	293	293	290	287	284	277	270	267	274	272	270	279	288	293	293	289	289	289	289	288	288	288	285
31																									
Среднее по всем дням	286	287	288	288	286	285	283	278	274	270	269	270	275	282	290	292	292	291	290	289	289	288	287	286	284

Среднемесячн. $D = 2°01.1$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение

Месяц Июль Год 1970 $D = \quad 1° + \quad = \quad {}_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	61.2	60.3	61.0	63.3	64.7	66.0	65.8	64.3	60.8	58.1	56.3	55.4	55.7	55.3	56.0	57.4	59.3	58.7	59.6	59.7	60.1	59.9	60.0	60.5	60.0
2	60.8	61.4	62.9	64.6	65.4	66.0	66.4	63.9	62.8	61.0	58.1	57.1	57.2	56.6	58.1	60.1	60.4	59.9	59.7	59.9	60.1	59.9	60.4	61.0	61.0
3	61.0	61.8	62.7	65.4	67.3	66.2	64.0	62.7	60.1	57.0	55.5	55.3	56.3	57.4	58.5	60.1	61.0	60.8	60.4	60.8	60.7	61.0	61.2	62.6	60.8
4	61.7	64.7	67.2	68.1	70.9	71.3	66.7	63.9	62.7	59.7	57.0	55.5	55.1	56.6	58.3	60.4	61.0	60.8	60.6	61.0	61.2	61.2	61.4	61.6	62.0
5	61.6	62.1	63.3	65.8	66.9	65.1	64.7	64.4	61.3	58.9	57.1	54.8	54.0	54.4	57.1	58.5	60.0	61.8	60.2	59.7	60.0	60.4	61.0	61.3	60.6
6	61.3	62.8	62.8	64.2	65.6	67.8	67.0	65.5	62.4	58.8	57.1	55.3	54.4	54.9	56.7	58.6	60.0	59.7	59.4	59.6	60.0	60.6	60.9	61.3	60.7
7	61.3	61.5	62.4	64.4	66.2	66.7	66.1	63.6	60.7	57.1	55.5	54.0	53.7	55.2	57.1	58.9	60.2	60.0	59.6	60.2	60.7	61.2	61.3	60.5	60.3
8	61.3	61.7	62.1	63.6	64.9	65.1	65.8	66.1	64.2	60.8	57.4	56.0	54.4	55.4	57.3	58.7	59.9	60.6	60.3	60.2	60.7	62.0	62.6	63.4	61.0
9	66.6	65.7	64.5	64.2	66.6	66.9	66.4	65.9	63.2	59.8	56.3	54.1	49.8	50.0	53.7	54.3	59.2	58.8	59.6	64.2	70.1	68.1	66.6	65.3	61.7
10	65.6	63.7	65.7	67.7	69.1	69.8	70.4	69.2	66.7	63.5	59.7	56.4	55.2	55.2	56.5	56.4	59.3	58.3	60.0	61.4	62.7	62.0	64.1	65.1	62.7
11	64.5	62.7	62.9	64.7	66.1	67.7	68.3	66.7	64.5	61.4	57.8	55.1	53.4	53.5	55.5	57.6	59.9	61.5	60.3	60.4	61.7	61.4	61.8	61.6	61.3
12	60.1	62.7	62.5	62.0	64.2	65.6	66.4	65.8	63.3	60.1	57.9	55.9	55.1	55.3	57.2	59.7	59.9	59.5	59.8	61.5	60.3	61.0	62.0	62.7	60.9
13	62.8	63.1	62.0	62.7	65.9	66.0	66.2	65.6	63.1	60.1	58.3	56.8	55.7	56.3	58.4	58.7	59.5	61.2	60.7	59.9	60.3	62.5	62.0	61.2	61.2
14	61.1	61.5	61.8	63.7	64.6	65.4	66.0	64.8	63.1	60.4	57.0	55.4	55.1	56.2	58.2	59.3	59.5	59.5	61.4	62.0	60.3	60.3	60.5	60.8	60.7
15	61.6	62.4	63.3	64.1	65.3	65.6	65.2	64.8	62.7	58.6	56.1	55.0	56.0	57.2	59.5	61.0	60.8	59.7	59.5	59.9	59.9	60.3	61.0	61.1	60.9
16	60.1	60.4	61.4	64.3	65.6	65.8	66.3	64.5	62.0	58.7	56.6	55.3	55.5	57.4	58.7	59.5	59.5	59.9	61.4	61.2	60.6	60.3	60.7	61.0	60.7
17	61.0	61.5	62.4	63.9	64.8	64.7	64.5	63.5	61.4	58.0	56.4	55.5	54.7	55.5	57.2	58.2	59.3	59.9	59.0	59.1	59.7	60.8	62.3	62.5	60.2
18	62.4	62.5	63.7	65.4	65.6	65.0	64.4	62.7	60.3	58.5	56.4	54.7	55.0	56.1	58.6	59.9	60.3	59.7	59.7	60.1	60.9	60.6	61.0	61.7	60.6
19	61.6	61.7	62.7	63.7	65.6	66.5	66.6	64.7	61.6	57.7	55.1	53.4	53.7	54.5	56.4	58.4	59.7	61.0	59.8	59.3	59.9	61.4	60.8	61.7	60.3
20	61.8	61.4	62.4	64.1	66.8	67.7	67.9	66.9	64.5	62.0	59.3	55.9	54.9	55.9	57.4	59.1	59.3	59.3	59.5	60.3	61.2	60.6	60.8	62.3	61.3
21	65.2	64.5	65.0	67.9	66.9	66.8	65.8	63.1	58.6	55.1	53.1	52.4	51.5	53.0	59.3	59.9	59.9	61.0	63.5	63.5	60.6	60.3	60.6	60.3	60.7
22	59.3	61.8	63.8	65.2	67.2	68.7	69.4	67.7	65.4	62.9	60.8	57.6	56.4	56.8	58.6	59.9	61.4	62.8	60.8	59.9	60.6	60.6	61.8	62.0	62.1
23	61.3	61.2	62.6	63.5	64.1	65.8	65.2	62.7	60.6	58.0	56.0	55.5	55.4	55.7	56.3	58.0	59.5	59.9	62.2	60.8	60.2	60.1	60.3	60.8	60.2
24	60.6	61.6	61.4	62.0	63.3	65.5	67.1	65.3	63.3	60.1	57.2	55.3	54.8	56.1	57.8	59.3	60.1	60.8	60.6	59.9	59.5	59.3	60.1	60.3	60.5
25	60.3	63.5	61.3	62.0	64.3	69.8	66.9	64.1	63.9	62.0	59.5	56.4	61.8	58.6	62.0	63.1	62.5	60.8	60.1	61.0	61.2	62.0	63.6	65.6	62.3
26	63.7	62.5	61.9	64.1	67.5	68.7	67.9	65.0	62.7	60.0	56.6	56.0	56.4	57.2	57.8	58.3	59.3	60.3	59.9	60.8	60.8	60.8	62.0	62.0	61.3
27	62.0	62.7	63.1	64.3	65.2	66.0	65.8	65.6	63.1	58.7	56.9	55.5	55.2	55.3	58.5	62.2	62.0	61.8	60.8	60.7	60.7	61.2	61.5	61.4	61.3
28	62.9	63.5	64.3	66.2	67.5	67.1	65.6	62.9	60.4	58.3	56.8	55.7	55.1	55.1	56.2	58.5	59.7	59.9	60.3	60.5	60.5	61.2	60.8	61.0	60.8
29	60.8	62.4	62.7	64.3	63.1	63.4	65.2	66.1	65.0	63.1	61.8	61.2	60.3	62.2	63.5	67.2	67.4	61.6	64.3	61.8	60.1	60.3	61.2	62.0	63.0
30	62.5	62.9	63.8	65.4	65.8	63.9	64.3	63.1	60.3	57.4	54.9	53.4	54.5	55.7	56.4	57.8	59.7	60.1	61.0	61.0	60.8	61.0	61.1	61.6	60.4
31	62.0	62.5	62.8	61.2	63.3	64.9	66.2	65.2	62.7	60.8	59.3	58.0	56.6	57.1	59.3	61.4	62.2	62.7	62.4	61.4	60.7	61.8	63.7	63.1	61.7
Среднее по всем дням	61.9	62.3	63.0	64.4	65.8	66.5	66.3	64.8	62.5	59.6	57.2	55.6	55.3	55.9	57.8	59.4	60.4	60.4	60.5	60.7	60.9	61.1	61.6	61.9	61.1

Среднемесячн. $H = 21366^{\gamma}$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Июль Год 1970 $H = 21000 + = {}_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	384	385	391	392	392	383	368	356	349	365	387	380	372	379	357	374	379	386	387	383	387	387	383	386	379
2	386	386	391	391	390	390	368	355	361	368	374	368	383	386	379	372	380	376	379	380	382	383	380	379	379
3	376	383	386	387	376	357	361	336	327	348	357	371	376	365	365	357	357	365	368	376	380	376	387	417	369
4	395	372	368	353	342	318	327	323	330	346	356	363	365	364	361	353	357	361	365	368	366	362	365	365	356
5	368	372	380	383	352	349	340	337	334	346	353	357	365	379	372	372	378	387	374	374	380	383	388	383	367
6	386	387	391	387	373	368	361	334	319	347	376	372	361	361	361	372	372	372	376	376	376	372	372	372	368
7	374	374	376	376	368	365	362	357	353	357	361	372	380	383	387	383	376	380	383	384	383	380	376	383	374
8	380	383	389	391	383	373	365	353	361	368	366	372	368	365	372	373	376	372	376	380	373	372	371	406	374
9	417	406	413	407	395	386	370	351	349	312	296	327	327	304	319	319	319	346	361	349	365	342	346	346	353
10	399	357	353	349	342	334	323	323	325	330	338	338	334	346	363	368	389	391	372	376	387	399	372	361	357
11	365	372	368	365	361	353	342	333	337	346	357	361	368	372	370	372	371	376	376	378	383	383	372	372	365
12	375	376	368	376	383	376	368	356	342	346	359	357	357	365	371	365	368	376	387	372	376	380	383	372	369
13	380	383	376	379	371	357	352	352	353	359	365	361	372	376	376	380	376	387	372	376	374	379	370	371	371
14	373	372	380	380	376	368	355	349	353	365	376	372	380	391	391	387	380	387	387	391	376	372	376	386	376
15	380	376	383	387	383	372	365	361	357	357	368	375	378	383	380	380	376	380	383	383	380	382	380	383	376
16	383	383	387	383	380	372	368	368	365	370	379	383	379	372	372	376	386	386	383	380	380	378	380	380	378
17	380	380	380	386	380	371	365	361	365	372	376	382	387	391	389	390	391	387	386	386	387	387	395	376	381
18	380	380	386	390	383	368	353	349	353	365	372	372	372	372	376	376	376	383	390	391	387	381	380	380	376
19	382	383	387	387	383	376	365	353	349	355	361	365	365	371	380	386	387	391	383	383	390	391	387	385	377
20	380	383	387	390	387	372	357	353	355	365	372	383	387	391	391	390	387	390	391	394	395	391	391	392	382
21	399	390	391	383	376	366	359	353	353	365	365	365	387	378	357	346	361	368	378	380	372	372	380	372	372
22	380	372	378	376	371	368	361	357	345	350	365	368	365	372	374	368	379	385	380	381	383	383	376	376	371
23	383	376	383	380	371	365	341	341	342	346	347	352	357	361	375	372	386	395	386	383	380	380	383	383	370
24	386	378	383	370	361	342	315	334	349	354	351	361	357	368	368	360	363	376	368	373	375	376	383	393	364
25	399	383	367	383	383	327	266	259	262	289	281	281	281	296	296	315	333	342	350	346	349	368	372	357	329
26	357	361	365	344	330	327	296	304	312	315	323	318	323	336	350	357	360	357	365	365	368	369	375	357	343
27	365	365	368	365	353	331	332	330	333	334	333	355	368	380	372	387	365	365	365	376	371	357	357	365	358
28	361	361	365	365	361	355	349	343	346	353	361	379	386	380	380	372	371	372	371	372	375	372	374	376	367
29	376	387	386	383	356	338	323	311	304	308	298	312	319	293	315	327	338	346	353	372	356	353	353	351	340
30	353	357	361	357	352	344	346	345	346	349	355	365	365	365	370	370	365	365	365	368	368	372	380	368	360
31	368	374	368	368	362	353	342	334	332	333	349	357	365	368	372	366	357	360	360	357	364	368	383	372	360
Среднее по всем дням	380	377	379	378	370	359	347	341	341	348	354	359	363	365	366	367	370	375	375	376	376	376	376	376	366

Среднемесячн. Z = 43288

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Июль Год 1970 Z = 43000 + = o=

Дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	288	290	290	285	285	286	287	279	261	261	268	260	275	290	294	294	292	290	290	289	290	290	289	289	284
2	288	290	292	292	289	288	280	281	273	271	270	270	273	271	279	287	289	288	288	288	289	289	288	288	283
3	287	287	290	288	283	282	285	275	272	270	263	263	267	278	287	292	293	290	292	292	290	290	292	279	283
4	264	270	282	288	286	283	290	286	279	278	278	274	282	284	289	291	294	291	291	291	291	291	291	291	285
5	292	292	295	295	294	288	280	278	279	273	275	277	283	292	294	296	296	296	293	292	292	292	292	289	289
6	287	287	286	285	285	283	282	278	281	284	280	274	282	290	292	293	291	290	290	291	291	291	290	290	286
7	291	292	295	294	288	288	286	279	270	271	274	280	281	282	284	287	289	288	290	291	291	290	290	291	286
8	287	290	293	293	290	286	284	280	282	280	275	278	279	279	287	291	296	295	294	294	293	292	291	292	288
9	282	281	287	283	284	280	277	279	275	268	275	290	287	299	324	331	325	314	307	304	303	293	288	286	293
10	279	282	292	296	293	290	288	287	290	289	283	278	281	285	298	300	308	304	296	297	298	292	288	290	291
11	293	295	290	297	296	292	287	285	285	282	282	283	278	284	291	294	296	297	295	294	295	290	290	293	290
12	292	285	288	289	288	289	290	290	285	282	284	284	284	290	300	300	298	296	295	294	295	294	291	289	290
13	290	291	292	293	287	287	287	284	285	283	275	275	277	283	288	291	293	295	293	294	293	291	291	291	288
14	291	291	293	293	294	291	287	285	280	276	279	281	282	290	292	292	292	291	290	291	289	290	292	290	288
15	287	289	293	295	292	288	289	285	284	275	277	273	280	289	292	291	287	287	287	288	289	290	290	289	287
16	289	290	287	289	286	285	283	285	282	279	270	273	278	280	282	286	289	290	290	290	289	289	289	289	285
17	289	289	291	291	286	284	285	283	277	272	270	266	270	277	283	286	288	289	289	289	290	290	285	284	283
18	287	289	290	287	285	287	290	287	286	285	285	283	281	284	288	290	289	289	290	290	288	288	288	288	287
19	289	290	293	295	292	288	287	285	282	274	273	272	271	271	281	286	288	290	291	291	291	288	286	285	285
20	286	289	292	298	295	289	280	281	280	269	270	272	271	275	282	285	285	286	287	288	287	287	286	286	284
21	279	283	286	284	286	285	285	284	276	265	267	264	273	291	303	301	299	294	295	296	293	293	290	288	286
22	289	288	294	296	295	295	291	284	279	284	283	278	278	285	291	291	292	294	292	292	290	288	286	287	288
23	285	287	288	288	287	285	283	281	278	273	275	275	278	281	291	290	292	293	291	293	291	291	291	290	286
24	289	287	290	289	283	281	282	287	283	272	264	266	267	277	290	294	296	300	297	297	295	295	294	295	286
25	285	285	288	285	286	274	283	287	294	301	301	308	300	313	314	308	305	301	300	299	301	299	294	286	296
26	286	284	281	280	288	291	287	288	279	277	285	287	291	296	301	299	296	296	296	297	298	298	294	291	290
27	295	296	299	301	298	292	292	287	285	285	281	284	288	299	306	313	305	300	300	300	292	295	296	296	295
28	293	296	298	296	287	285	283	283	285	285	281	273	280	284	289	290	293	293	293	293	294	293	295	294	289
29	294	291	293	293	294	291	296	294	297	293	290	296	304	307	315	320	320	311	310	310	300	302	301	301	301
30	301	301	301	300	296	293	286	283	280	272	275	279	286	289	295	296	296	297	297	298	299	298	295	293	292
31	294	294	297	302	299	297	293	292	291	285	291	291	288	293	303	307	306	306	304	301	301	300	297	295	297
Среднее по всем дням	288	289	291	292	290	287	286	284	281	278	277	278	280	287	294	296	296	295	294	294	293	292	291	290	288

Среднемесячн. $\mathcal{D}$ = 2°00.8

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Склонение

Месяц Август Год 1970 $\mathcal{D}$ = 1° + = $_0$=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	62.4	62.7	63.7	64.6	66.4	66.8	66.8	65.5	61.8	58.2	56.9	54.4	54.6	55.5	56.9	57.8	58.7	59.5	59.6	60.0	60.0	60.5	61.2	61.3	60.7
2	62.3	62.6	61.8	62.8	64.2	64.1	64.3	63.1	60.6	58.5	56.3	55.5	55.1	55.6	57.9	59.1	59.5	59.1	59.0	59.5	59.8	60.3	60.4	60.5	60.1
3	60.9	61.3	62.2	63.8	65.2	65.8	64.6	61.3	58.3	54.9	52.4	52.6	54.4	55.8	58.3	59.3	59.0	58.9	59.2	59.8	60.0	60.6	60.8	61.1	59.6
4	61.3	61.6	62.7	64.2	65.0	64.8	63.8	61.8	59.6	56.2	54.7	55.0	55.4	56.3	58.1	59.2	59.4	59.4	59.7	60.0	60.8	60.8	61.1	61.3	60.1
5	60.8	61.3	62.1	63.8	64.2	64.2	63.8	62.3	60.0	57.6	55.7	54.9	55.1	55.6	56.8	58.4	59.1	59.1	58.9	59.2	59.8	60.2	60.5	60.7	59.8
6	60.5	60.8	61.6	63.7	65.3	66.5	65.9	63.8	61.4	58.1	55.4	54.1	54.1	56.0	57.7	58.9	57.9	57.9	58.8	59.3	59.6	61.1	61.9	61.3	60.1
7	63.8	63.8	63.4	64.4	65.8	65.6	64.8	63.0	59.9	56.1	53.3	52.4	53.0	53.7	55.2	56.7	57.5	57.7	58.6	59.1	60.1	60.4	62.3	64.7	59.8
8	63.4	62.5	62.9	64.2	64.4	64.3	63.8	62.3	59.8	56.9	54.2	53.0	55.2	57.5	58.8	60.2	60.0	59.4	60.2	61.9	61.3	61.7	62.3	61.7	60.5
9	63.4	62.5	62.9	64.4	65.9	66.5	66.7	64.7	61.5	58.0	55.0	55.6	55.0	55.8	57.9	59.6	60.3	60.6	62.5	60.1	60.2	60.5	61.1	61.7	60.9
10	62.1	62.3	62.7	63.4	64.9	65.5	65.7	65.0	62.5	60.6	58.4	56.9	58.3	58.3	58.7	60.2	60.0	59.9	59.8	59.8	59.9	60.2	60.4	61.3	61.1
11	61.9	62.1	62.9	65.3	65.9	66.3	65.5	62.9	59.7	57.3	55.2	53.9	54.7	56.2	58.9	59.8	59.9	59.9	59.7	60.6	60.9	60.6	60.9	60.8	60.5
12	62.5	62.2	62.3	63.2	64.0	66.3	66.7	64.4	61.0	58.3	56.4	55.2	55.6	56.6	58.1	59.6	60.0	59.5	60.1	61.3	61.7	60.2	61.7	61.7	60.8
13	61.9	61.9	62.6	63.1	64.8	66.1	66.3	65.8	63.5	59.6	56.2	55.3	55.4	55.9	57.4	59.1	60.0	60.6	60.6	62.5	62.1	62.3	63.4	61.3	61.2
14	61.5	61.9	63.0	64.4	66.5	67.1	66.9	64.6	60.8	57.9	55.8	55.0	55.6	56.3	57.9	59.6	60.8	59.5	60.0	60.6	60.9	60.8	61.0	61.3	60.8
15	62.1	62.7	63.1	63.9	66.3	66.4	65.5	62.1	58.1	54.5	52.7	53.1	55.4	58.1	59.5	60.0	60.3	60.0	60.3	60.3	60.8	60.6	61.5	62.3	60.4
16	63.0	63.1	63.8	65.3	65.6	66.0	65.5	62.9	59.4	56.1	53.7	53.2	53.4	55.8	58.1	60.2	60.6	59.6	59.9	59.6	59.8	59.8	60.0	59.2	60.6
17	67.8	64.8	65.7	64.0	64.4	72.8	61.9	67.7	63.1	60.1	55.8	57.9	57.9	60.5	61.5	62.3	68.1	68.6	67.6	66.3	64.6	62.7	62.5	65.0	63.9
18	63.1	61.7	65.9	64.6	66.6	70.7	70.3	66.7	63.2	59.5	56.6	56.0	56.2	59.2	62.2	63.7	65.7	69.9	67.0	62.1	61.5	61.4	61.1	61.6	63.2
19	62.5	63.1	63.2	64.8	67.5	69.7	69.6	65.2	60.0	57.1	55.8	54.1	55.6	57.9	60.7	62.3	63.1	62.5	60.6	60.8	60.6	60.9	61.1	61.3	61.7
20	61.5	62.3	63.3	65.3	68.0	68.7	68.1	65.7	61.9	57.7	53.9	51.5	53.1	56.5	58.9	60.1	60.1	59.8	59.8	60.0	60.3	60.5	61.4	60.8	60.8
21	61.3	61.5	60.8	63.8	66.8	68.7	68.6	66.1	62.4	58.9	56.4	55.5	55.6	56.9	58.8	60.5	61.3	60.2	60.0	60.1	60.4	60.5	61.0	61.1	61.1
22	61.5	62.0	62.7	64.3	66.3	67.3	66.9	64.6	60.9	57.3	54.3	53.5	55.6	57.5	59.1	60.4	60.3	59.9	60.1	60.2	60.1	60.2	60.4	60.4	60.7
23	60.0	61.7	62.7	64.6	65.9	68.6	68.2	65.9	62.7	59.1	56.4	54.7	55.6	56.9	58.6	60.0	60.7	61.3	60.4	60.0	60.0	59.8	60.4	60.9	61.0
24	61.5	61.7	62.1	63.1	65.4	66.3	65.9	63.4	59.6	56.9	54.5	55.0	56.9	58.9	60.6	61.7	61.8	60.8	60.4	59.8	59.4	59.0	58.9	58.6	60.5
25	58.9	60.0	60.7	61.8	63.1	65.0	65.3	64.4	62.7	60.3	58.7	58.3	58.9	60.6	62.0	62.4	62.3	61.2	60.2	60.0	59.8	59.8	60.9	59.7	61.1
26	59.8	61.1	61.9	63.1	62.9	62.7	62.8	61.2	60.0	58.4	56.1	56.3	57.4	58.9	58.7	60.8	61.8	60.7	62.2	61.7	60.8	61.2	60.8	60.8	60.5
27	61.6	62.3	60.8	62.8	64.0	64.0	64.0	63.6	61.3	58.9	57.7	56.9	57.5	57.4	59.5	61.9	61.1	61.3	62.6	61.3	62.3	62.7	63.6	62.4	61.3
28	61.7	61.7	62.5	62.7	64.0	64.9	64.2	63.8	61.5	58.3	55.8	55.3	55.8	56.7	58.2	58.9	60.7	61.7	62.7	62.3	62.3	63.3	62.5	60.4	60.9
29	61.9	61.7	61.5	61.1	61.2	63.1	64.2	62.7	60.6	58.3	57.2	55.6	56.5	57.6	58.9	61.5	60.5	60.2	60.4	60.3	60.7	61.1	60.9	60.6	60.3
30	60.4	60.4	61.8	63.0	64.3	64.8	64.4	62.2	59.8	56.9	55.4	55.4	56.0	57.7	58.9	59.4	59.2	59.4	59.7	60.4	60.0	60.0	60.0	60.2	60.0
31	60.2	60.8	61.5	62.7	64.5	65.0	64.1	63.1	59.2	55.9	54.4	54.6	55.6	57.4	59.4	59.6	60.3	61.5	63.1	63.9	63.3	60.6	61.3	61.3	60.6
Среднее по всем дням	61.9	62.0	62.6	63.7	65.1	66.3	65.6	63.9	60.9	57.8	55.5	54.9	55.6	57.1	58.8	60.1	60.6	60.6	60.8	60.7	60.8	60.8	61.2	61.5	60.8

Среднемесячн. $H = 21367^{\circ}$

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°59' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Август Год 1970 $H =$ 21000 + = $_0$=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	379	375	379	368	360	352	341	338	338	341	349	361	370	372	376	380	386	380	380	382	383	383	383	368
2	383	379	379	387	376	372	370	365	361	358	376	386	395	395	387	383	380	387	390	388	390	387	390	391	381
3	393	391	390	390	387	380	375	366	361	365	373	376	384	386	377	376	381	382	384	384	384	384	384	382	381
4	381	381	381	383	383	376	375	373	368	376	382	385	391	387	386	387	382	385	388	391	387	382	384	385	382
5	388	386	386	388	385	379	373	365	367	373	381	384	383	390	388	382	382	386	392	393	396	398	397	394	385
6	394	393	393	392	390	382	379	376	380	379	384	407	409	399	392	385	400	397	400	398	405	405	394	403	393
7	402	400	393	395	394	387	382	377	381	382	388	395	396	393	388	387	382	388	390	393	393	396	411	378	390
8	371	375	376	378	372	368	359	351	317	301	308	326	352	359	364	347	350	368	379	377	362	361	365	383	357
9	378	382	355	361	355	341	340	336	332	341	341	341	370	369	375	372	369	372	391	372	373	373	372	369	362
10	370	372	372	374	370	361	353	349	349	352	363	369	372	376	376	373	376	373	378	378	379	379	379	378	370
11	378	375	376	375	366	362	359	355	352	355	368	371	372	373	367	372	373	378	382	382	379	378	379	393	372
12	394	387	385	384	376	356	356	352	346	350	367	367	368	368	369	372	373	378	381	384	385	374	374	373	372
13	375	375	373	375	370	359	350	350	346	356	365	373	381	381	379	372	375	378	387	380	378	382	378	375	371
14	376	375	376	375	372	363	350	343	343	350	365	371	376	378	378	379	378	382	384	382	383	387	382	380	372
15	382	378	378	387	382	369	355	347	350	359	368	379	381	381	382	378	376	379	384	387	382	387	388	402	377
16	395	389	391	391	387	372	359	353	354	361	372	376	383	384	385	382	379	379	384	385	388	391	448	414	383
17	397	418	388	329	310	250	267	232	235	255	255	248	293	305	321	302	300	355	318	303	309	329	334	341	308
18	336	337	329	331	329	318	302	282	281	291	305	306	315	320	327	314	313	321	334	335	338	346	350	357	322
19	354	362	344	346	338	321	309	312	322	327	338	359	362	367	355	359	355	361	365	362	365	363	364	362	349
20	361	361	362	362	358	348	329	312	308	320	337	349	350	352	362	365	367	370	370	373	373	378	376	372	355
21	372	372	373	376	378	372	354	335	335	344	349	355	367	370	370	372	373	369	375	375	373	376	375	378	366
22	376	377	379	378	370	356	344	340	336	343	359	369	359	369	365	364	361	364	370	378	373	373	375	377	365
23	380	377	374	372	368	360	345	332	328	336	349	357	357	364	366	372	372	370	377	377	377	378	377	374	364
24	375	376	375	375	371	360	349	342	345	355	366	373	375	377	374	369	371	374	372	371	369	371	372	368	368
25	366	364	364	367	361	357	352	352	357	364	368	367	362	356	361	355	352	360	370	372	367	369	371	380	363
26	378	382	382	384	364	362	355	343	349	340	348	343	352	342	342	337	334	352	366	372	366	372	374	370	359
27	370	366	369	369	361	340	334	340	348	351	360	364	363	363	353	356	354	355	363	369	372	372	369	368	360
28	366	368	373	372	372	366	358	363	358	364	372	375	380	380	381	357	357	364	378	374	364	368	367	390	369
29	375	367	369	364	375	361	359	358	363	366	375	384	370	371	368	375	367	368	372	375	375	380	384	381	371
30	380	389	384	378	372	361	352	343	345	361	377	387	386	383	375	372	374	380	380	383	383	383	384	385	375
31	384	381	383	390	393	375	355	338	349	358	387	393	387	372	366	368	361	354	343	360	354	364	369	371	369
Среднее по всем дням	378	378	375	374	369	358	350	343	342	348	358	364	370	370	370	367	366	371	375	375	374	376	379	379	367

Среднемесячн. Z = 43291+

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Август Год 1970 Z = 43000 + = 0=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	293	295	297	296	295	289	286	279	275	278	280	283	285	282	285	288	292	292	293	293	294	293	292	292	289
2	291	292	295	297	292	293	291	287	282	281	276	272	279	284	289	289	288	289	290	289	289	291	290	289	288
3	289	289	292	292	288	289	291	286	282	271	275	275	281	283	283	285	285	286	288	289	289	289	289	288	286
4	289	289	290	291	287	283	284	281	276	274	272	273	274	276	280	284	285	288	289	288	288	289	289	289	284
5	288	288	290	293	293	291	293	290	285	275	273	269	267	274	281	284	285	285	287	286	287	286	286	286	284
6	286	287	288	290	291	289	285	279	273	270	268	268	267	274	281	283	283	282	284	284	288	284	285	285	282
7	282	282	285	289	287	281	277	272	263	260	262	267	268	274	280	282	283	286	286	287	286	287	281	276	278
8	282	285	287	286	289	289	285	280	277	280	286	288	294	296	300	295	291	295	296	296	295	295	296	289	290
9	288	282	284	289	287	287	285	286	286	286	280	281	290	289	294	294	292	294	296	293	294	293	291	291	289
10	292	293	294	295	289	287	282	280	283	280	278	281	286	290	293	294	290	290	293	293	291	291	290	290	289
11	290	290	292	292	291	290	289	286	278	272	270	272	279	287	293	295	291	290	290	289	290	290	290	289	287
12	284	284	286	287	285	285	287	284	280	280	277	276	279	283	289	290	289	288	289	289	290	290	288	290	285
13	290	290	292	294	291	291	295	295	288	281	280	281	280	285	290	290	293	294	293	290	290	291	285	289	289
14	290	290	293	294	289	287	283	277	275	269	274	278	279	281	285	287	287	288	289	289	288	289	288	289	285
15	287	287	289	288	284	285	282	280	282	282	278	281	287	290	294	288	286	288	289	289	289	290	289	290	286
16	283	285	288	287	286	284	278	276	276	281	283	284	285	288	295	294	293	291	293	294	293	294	293	277	287
17	281	286	285	285	280	265	281	257	277	295	299	302	310	326	328	322	322	320	310	314	317	315	311	302	300
18	302	297	299	304	304	306	306	299	293	293	300	304	313	320	326	321	322	323	319	314	311	310	307	301	308
19	296	296	298	305	304	302	299	290	286	284	284	287	290	295	297	303	303	305	302	301	301	300	300	300	297
20	299	300	301	302	300	300	299	296	294	290	289	295	294	295	299	299	297	297	298	299	298	298	297	297	297
21	298	298	300	301	302	301	301	296	289	286	280	284	289	293	296	297	299	298	298	297	296	297	296	296	295
22	296	296	298	300	300	297	289	280	278	281	289	296	295	299	300	303	301	301	301	299	297	297	297	298	295
23	297	295	297	300	299	294	289	287	286	287	291	295	293	296	296	299	297	297	298	297	296	296	296	295	295
24	295	296	297	298	295	290	288	288	290	288	287	288	289	290	292	292	293	295	295	295	295	295	295	295	293
25	296	296	298	300	299	299	299	297	295	294	291	289	289	289	296	299	299	301	300	298	298	299	297	298	296
26	295	294	296	299	299	299	298	299	289	289	294	299	305	305	306	307	307	308	306	304	300	301	296	297	300
27	295	295	299	299	298	298	300	295	287	284	285	286	289	297	304	312	308	307	306	303	300	299	298	298	298
28	298	299	299	301	300	296	300	301	296	289	285	291	291	291	300	299	302	302	301	298	298	298	298	297	297
29	293	295	298	301	301	299	300	294	289	288	288	295	293	292	295	300	299	299	299	299	298	298	296	295	296
30	295	295	291	294	295	296	296	295	296	291	289	286	286	288	294	295	294	295	295	296	295	295	294	294	293
31	294	293	295	297	295	294	295	293	295	293	293	285	285	286	290	297	299	304	304	304	301	303	300	299	296
Среднее по всем дням	291	292	293	295	293	291	291	287	284	282	282	284	287	290	295	296	295	296	296	295	295	295	294	292	291

Среднемесячн. D = 2°00'5

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Склонение

Месяц Сентябрь Год 1970 D = 1° + = ₀=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	61.2	61.5	61.9	63.5	65.0	65.6	64.6	62.1	58.1	56.2	54.4	53.2	54.4	53.7	57.3	59.3	60.0	60.4	59.9	63.6	64.0	62.1	62.3	62.8	60.3
2	62.5	62.7	64.0	65.7	67.2	67.3	65.5	62.5	60.0	56.2	53.5	54.4	55.6	58.1	59.5	60.4	60.6	63.1	62.5	61.0	61.3	61.9	61.0	61.0	61.1
3	61.0	60.8	61.3	61.7	62.9	66.7	66.7	63.6	59.4	55.1	53.0	52.0	53.7	57.6	58.9	61.1	60.4	60.0	60.1	60.7	60.8	63.1	64.2	64.0	60.4
4	62.7	62.1	62.2	63.4	65.9	67.1	67.8	65.9	61.3	57.3	54.3	53.1	56.4	57.9	59.2	60.5	62.7	60.3	60.0	60.5	61.3	61.6	61.3	61.5	61.1
5	60.7	61.7	62.5	63.6	64.4	65.8	65.9	64.2	61.3	57.9	55.6	55.0	55.6	56.7	58.3	61.5	62.5	60.4	60.8	60.4	61.1	61.1	61.5	62.3	60.9
6	61.6	61.3	61.7	62.4	63.6	64.2	64.3	63.3	60.1	57.3	55.8	55.2	55.5	56.4	57.7	58.9	59.2	59.6	61.1	60.8	60.6	61.0	60.3	61.3	60.1
7	61.5	61.4	61.3	61.7	62.7	64.2	64.2	62.9	59.2	55.4	53.3	53.1	55.0	56.2	58.1	59.0	59.0	59.2	59.6	59.6	61.1	62.3	62.1	61.1	59.7
8	61.1	60.9	61.2	62.3	64.5	65.1	65.3	62.5	59.6	56.9	54.3	54.3	55.4	56.2	59.0	61.9	60.4	59.8	61.5	62.2	61.1	60.5	60.5	61.1	60.3
9	61.3	61.5	61.9	63.2	65.5	67.1	67.3	65.5	62.9	59.7	56.9	55.8	56.7	57.7	58.3	59.0	59.8	60.0	59.8	60.6	62.7	63.4	64.0	64.0	61.4
10	60.5	61.4	62.8	63.5	64.3	65.0	64.5	62.4	59.7	57.0	55.5	55.1	55.5	57.3	58.9	59.5	59.7	60.1	60.3	60.5	60.8	60.8	60.5	60.5	60.3
11	60.5	60.9	61.3	62.0	63.5	64.7	65.2	64.5	62.6	59.2	56.0	55.1	56.0	57.4	58.6	58.7	58.9	59.4	59.7	59.9	60.1	60.3	60.2	60.3	60.2
12	60.3	61.0	61.2	62.4	64.0	64.7	64.5	63.3	60.7	58.0	55.6	55.0	55.3	56.3	57.6	58.2	58.6	59.5	59.9	59.7	59.8	60.1	60.2	60.3	59.8
13	60.7	61.1	61.4	62.0	64.3	65.2	64.0	63.3	61.1	58.3	56.8	55.9	57.0	57.1	58.6	59.7	62.0	61.4	60.0	60.8	64.7	65.2	63.6	63.7	61.2
14	62.8	62.0	61.8	63.3	64.7	65.6	64.7	62.6	60.3	57.6	55.5	56.6	57.0	58.6	63.0	62.5	61.2	60.8	61.8	63.7	62.9	62.8	61.8	61.7	61.5
15	61.6	61.8	59.5	62.0	62.6	64.3	64.5	64.3	61.4	58.2	55.8	56.1	57.2	58.2	59.7	60.4	60.1	61.2	61.7	61.5	60.8	61.0	61.9	61.1	60.7
16	61.2	61.0	60.3	62.4	63.3	63.7	63.7	62.6	60.4	57.6	56.8	56.3	58.7	59.3	59.7	59.5	59.5	60.1	61.5	61.4	61.4	61.0	60.7	60.5	60.5
17	61.0	60.8	61.3	61.2	62.2	63.9	64.3	62.8	60.8	57.8	56.1	56.6	57.6	58.4	59.3	60.3	61.4	61.2	60.7	60.8	61.2	60.9	61.4	61.8	60.6
18	61.2	60.1	61.3	59.9	61.6	62.8	63.1	62.4	59.5	56.6	56.0	56.1	57.0	58.0	60.0	61.4	60.2	61.1	62.4	60.5	61.2	61.0	62.0	61.8	60.3
19	61.2	61.0	60.8	60.7	60.8	60.5	63.6	63.7	61.8	59.3	55.9	55.3	55.9	57.8	59.1	59.4	61.6	62.4	63.4	64.7	63.5	61.8	61.6	61.6	60.7
20	61.0	60.5	61.4	61.6	62.8	63.1	64.3	65.2	63.0	61.0	56.1	55.9	55.6	58.2	59.7	60.8	61.6	61.8	60.3	60.9	61.5	61.3	61.3	61.4	60.8
21	63.7	62.3	61.1	60.8	62.2	62.4	63.3	63.0	59.7	59.1	57.2	55.3	57.8	59.4	60.3	59.6	60.1	62.4	63.9	61.8	61.0	61.8	61.8	61.6	60.9
22	61.2	60.5	60.1	60.8	61.6	62.8	64.9	64.4	61.8	58.6	56.8	56.1	56.6	58.0	59.1	59.4	60.5	62.5	62.4	60.7	60.7	60.6	59.5	60.7	60.4
23	59.8	59.7	61.2	61.4	62.6	65.0	65.7	63.5	58.4	56.3	55.1	55.7	56.0	57.8	58.6	58.7	59.7	60.9	60.1	60.2	60.2	60.6	60.4	60.5	59.9
24	60.1	61.2	61.4	61.2	62.6	64.5	64.5	63.3	60.3	59.1	57.6	56.3	56.6	57.6	58.2	58.4	58.8	59.7	60.3	62.2	60.3	59.9	60.3	61.2	60.2
25	61.0	60.8	60.7	60.8	61.2	62.6	63.7	63.1	60.9	58.6	57.0	57.2	57.4	57.9	58.6	58.6	58.9	59.7	60.8	60.5	60.3	60.5	60.5	60.7	60.1
26	60.8	60.8	61.0	60.7	61.3	62.4	63.3	64.1	62.8	61.0	58.6	57.4	57.0	57.4	57.4	57.6	58.9	59.7	59.9	60.0	59.9	59.7	59.3	58.9	60.0
27	59.9	61.8	62.6	61.8	60.5	62.8	63.5	63.7	61.8	59.1	56.4	57.0	56.3	57.4	58.6	60.4	66.0	62.0	63.2	63.5	61.6	60.5	61.8	64.3	61.1
28	64.2	61.3	61.2	61.6	62.8	64.3	65.4	64.5	62.2	59.5	56.3	55.6	56.3	57.6	58.2	58.6	58.6	59.4	59.7	60.1	60.1	60.5	60.3	60.5	60.4
29	60.5	60.7	60.7	60.7	61.6	63.3	65.4	65.6	64.3	61.1	58.2	57.2	57.0	57.6	58.4	58.6	58.6	59.0	59.5	59.7	59.9	59.9	60.5	60.8	60.4
30	60.6	61.1	61.0	60.8	61.1	63.1	64.5	64.7	62.8	58.9	56.7	55.5	55.7	56.3	57.3	57.4	57.8	58.4	59.1	59.7	60.1	60.9	60.9	61.4	59.8
31																									
Среднее по всем дням	61.2	61.2	61.4	62.0	63.1	64.3	64.7	63.6	60.9	58.1	55.9	55.4	56.3	57.5	58.8	59.6	60.2	60.5	60.9	61.1	61.2	61.3	61.3	61.5	60.5

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Сентябрь Год 1970 H = 21000 + = 0 =

Среднемесячн. H = 21370

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	372	374	375	375	370	360	349	331	337	345	345	366	382	382	361	352	357	368	364	369	357	366	364	361	362
2	369	369	366	363	355	352	345	345	348	355	340	357	369	371	368	360	364	375	374	369	372	375	377	368	363
3	371	372	372	369	367	360	348	343	333	333	343	355	354	369	377	364	358	371	381	378	378	387	384	371	364
4	368	372	374	377	372	363	348	338	343	351	363	375	368	381	381	375	371	379	380	375	384	380	372	375	369
5	381	377	375	372	372	364	357	352	355	364	374	380	384	383	380	382	375	372	375	381	380	376	389	375	374
6	372	375	377	377	375	372	363	359	362	372	381	387	390	387	383	375	375	381	392	378	381	381	395	382	378
7	377	377	382	382	384	380	369	351	344	351	365	380	388	392	383	380	383	385	387	391	382	389	376	378	377
8	381	380	381	382	381	376	363	354	351	356	374	380	385	385	368	374	377	377	389	373	368	375	376	377	374
9	378	377	379	379	373	364	352	348	349	359	370	377	380	379	379	379	377	379	381	381	394	388	380	376	374
10	374	381	376	376	369	357	345	340	345	354	361	370	377	375	374	374	373	373	373	374	375	376	377	377	369
11	376	375	374	374	371	360	350	345	349	362	370	376	379	379	377	378	378	379	380	385	386	386	387	389	374
12	388	386	388	385	379	374	370	357	355	374	382	383	385	386	385	381	382	382	385	388	386	386	389	388	381
13	386	383	383	384	383	363	368	353	347	342	339	354	348	332	329	348	347	358	371	373	385	359	363	386	362
14	356	354	362	363	359	348	341	339	335	347	356	335	347	342	354	335	345	352	363	374	373	362	363	365	353
15	365	363	370	371	371	357	344	332	336	344	346	350	357	359	363	363	363	367	364	368	370	374	377	373	360
16	373	374	376	377	376	354	348	336	341	353	362	371	371	379	371	370	371	373	371	373	373	374	380	379	368
17	377	376	374	380	382	368	345	344	341	350	358	367	370	373	373	371	379	377	373	376	378	376	380	374	369
18	376	377	379	377	379	373	359	339	336	351	360	373	374	375	367	365	372	377	371	374	379	379	374	376	369
19	377	379	379	379	383	373	377	360	341	335	338	353	370	371	357	353	357	373	362	377	365	373	386	373	366
20	373	373	373	374	376	359	353	350	345	335	359	360	368	364	359	356	367	373	371	374	379	379	374	386	366
21	376	376	379	371	380	370	359	334	331	344	357	360	342	344	348	339	351	363	398	374	367	367	371	368	361
22	371	368	372	373	362	359	357	350	350	351	357	368	366	368	370	368	367	361	373	371	374	374	383	379	366
23	377	382	378	374	373	368	357	351	356	357	359	367	367	360	363	365	367	374	376	376	378	377	379	377	369
24	384	380	379	377	379	375	367	356	356	354	365	371	371	368	370	371	376	377	376	385	382	381	380	378	373
25	380	380	382	382	377	367	356	360	360	360	359	374	378	374	368	368	374	378	368	372	377	379	381	382	373
26	380	380	380	380	387	383	379	368	363	357	361	371	378	379	380	380	380	386	388	390	395	397	398	402	381
27	403	400	382	382	375	365	357	336	339	354	354	348	357	357	345	339	352	360	352	352	367	370	383	382	363
28	367	363	367	368	363	360	352	348	348	354	367	373	371	367	368	370	374	377	379	379	383	380	383	381	368
29	381	383	386	392	395	383	376	368	353	357	368	374	381	384	383	379	382	385	386	388	387	384	390	391	381
30	389	390	386	389	400	393	385	363	359	363	374	386	395	395	392	391	391	389	389	391	390	392	389	385	386
31																									
Среднее по всем дням	377	377	377	377	376	367	358	348	347	353	361	368	372	372	369	367	370	374	375	377	378	378	380	378	370

Среднемесячн. Z = 43292.0

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Сентябрь Год 1970 Z = 43000 + = o=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	299	298	298	299	299	300	301	299	300	300	298	296	286	287	293	299	302	305	304	305	304	304	303	300	299
2	301	299	300	301	298	296	295	294	281	273	267	279	285	291	296	296	298	299	299	298	298	298	296	295	293
3	296	296	297	299	297	296	296	290	286	287	289	297	302	303	300	300	300	301	300	298	298	297	293	293	296
4	295	297	298	299	299	296	290	293	295	289	287	289	289	296	297	297	297	299	297	296	297	294	295	296	295
5	296	293	294	296	295	294	294	294	289	285	286	288	290	294	295	299	300	299	298	297	295	295	296	290	294
6	294	295	295	296	297	297	296	293	288	282	282	281	283	283	288	289	293	295	295	294	295	295	294	290	291
7	291	293	294	294	291	289	292	292	288	281	277	277	279	283	286	289	289	290	291	292	291	291	290	292	288
8	292	292	293	296	295	295	289	288	286	285	288	288	287	290	294	299	300	298	299	292	296	296	295	295	293
9	293	293	293	293	291	289	285	282	279	277	280	280	283	284	286	289	291	292	292	292	291	289	289	289	288
10	291	288	288	291	289	292	289	284	281	283	288	290	291	290	292	291	291	292	292	292	292	292	292	292	290
11	291	291	291	292	291	289	286	284	280	277	275	277	281	285	287	289	289	290	290	290	290	290	290	290	287
12	289	289	289	289	289	290	286	280	276	277	282	281	282	284	285	286	287	288	289	290	290	290	290	289	286
13	289	289	289	290	291	291	292	289	287	286	292	299	298	298	296	297	298	305	302	298	295	289	296	289	294
14	289	295	296	293	293	293	291	290	289	288	292	295	302	303	310	310	309	305	302	298	295	295	296	296	297
15	295	295	295	292	292	291	291	289	286	282	283	286	292	293	295	296	296	296	296	297	296	296	295	295	292
16	295	295	295	293	296	295	294	291	290	285	288	291	288	293	290	289	291	294	293	295	295	295	295	293	292
17	293	293	292	295	295	295	295	291	288	289	290	291	294	294	292	291	294	295	294	295	295	293	292	291	293
18	294	293	291	293	291	296	297	294	294	287	289	290	290	291	291	295	295	295	295	296	295	293	290	293	293
19	294	293	293	295	295	297	295	295	289	288	283	284	291	301	301	301	299	301	297	297	295	299	294	291	294
20	295	295	294	295	296	298	300	297	291	284	289	288	296	301	301	301	301	300	298	297	296	295	295	293	296
21	288	291	289	291	295	295	295	291	289	281	283	289	292	303	307	304	304	302	301	290	296	296	296	296	294
22	296	296	295	295	295	298	298	294	288	285	286	289	290	294	294	294	295	296	298	297	296	296	296	291	294
23	294	292	290	292	295	295	290	284	276	275	283	285	290	291	291	295	296	297	296	295	295	295	295	295	291
24	295	290	291	295	297	298	296	293	286	278	281	284	286	290	290	290	292	294	294	295	294	293	292	291	291
25	292	292	293	295	296	293	290	282	275	274	272	275	283	285	288	289	293	295	294	296	295	295	294	293	289
26	292	291	291	294	296	299	300	298	295	290	288	284	283	284	288	288	291	292	291	291	291	289	288	289	291
27	283	281	282	287	292	294	295	291	290	288	287	287	288	291	296	301	304	301	299	300	301	299	296	288	293
28	287	292	295	295	297	299	296	289	285	283	283	283	284	287	290	290	295	295	292	295	295	294	294	292	291
29	292	292	292	291	292	292	294	287	280	279	282	282	285	289	291	290	291	291	291	291	291	291	289	290	289
30	289	289	288	290	291	290	288	285	275	273	278	278	277	280	284	286	288	288	289	289	289	289	288	288	285
31																									
Среднее по всем дням	293	293	293	294	294	294	293	290	286	283	284	286	288	291	293	294	296	296	296	295	295	294	293	292	292

Среднемесячн. $D = 2°00'9$

Ведомство АНУССР Обсерватория Одесская Широта $46°47'$ Долгота $30°53'$ Элемент Склонение

Месяц Октябрь Год 1970 $D = 1° + = \quad {}_0 =$

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	60.9	60.1	60.6	60.8	61.8	62.8	63.7	63.9	62.2	58.2	55.7	55.6	55.1	56.6	57.0	58.4	58.6	58.9	60.8	63.3	63.3	62.2	61.2	61.4	60.1
2	59.7	62.2	61.8	61.8	62.2	63.3	64.1	63.6	61.4	57.6	56.8	55.7	55.8	57.6	57.9	58.2	58.6	59.0	60.2	61.2	61.0	60.3	61.3	61.4	60.1
3	62.9	63.2	63.4	62.8	61.4	62.5	63.9	63.0	61.2	58.1	57.0	56.8	56.6	57.4	57.8	58.3	59.5	59.4	60.1	60.8	60.1	62.7	61.2	59.7	60.4
4	63.3	64.1	62.8	63.7	59.1	62.0	63.3	63.9	62.0	58.9	57.1	58.2	56.1	58.4	59.5	59.0	60.5	61.4	62.8	61.2	61.4	61.6	60.5	61.0	60.9
5	61.6	61.6	60.1	59.9	60.8	62.6	64.5	65.0	62.2	59.2	56.6	55.4	55.5	56.9	58.4	58.7	59.7	59.5	59.9	59.9	61.4	62.1	61.8	61.4	60.2
6	61.4	61.2	60.3	60.8	61.6	62.8	63.7	63.4	61.4	57.6	55.1	55.3	55.9	57.6	59.0	59.4	59.6	59.6	59.7	61.5	61.4	61.0	62.3	61.6	60.1
7	61.0	60.5	60.5	60.5	60.7	62.2	64.1	64.3	62.2	59.2	57.0	56.0	55.8	57.6	58.6	58.9	59.3	59.5	59.7	60.1	60.3	60.5	60.7	60.5	60.0
8	60.3	60.4	60.2	60.3	61.2	63.6	65.0	63.8	60.5	57.0	55.3	54.9	55.7	57.3	58.4	58.4	58.9	59.3	59.5	59.8	60.1	60.3	60.6	60.9	59.7
9	60.9	60.7	60.3	60.3	61.4	63.5	65.4	65.3	62.6	58.9	55.6	54.4	54.5	55.7	57.6	58.2	58.6	59.3	59.9	60.2	60.2	60.3	60.3	60.3	59.8
10	60.1	60.1	60.3	60.5	61.2	62.8	65.2	65.0	62.2	58.6	55.7	55.5	55.5	55.9	57.2	57.6	58.6	59.5	60.5	62.8	64.1	65.2	64.4	65.6	60.6
11	65.8	65.7	64.3	61.8	62.1	62.4	64.5	63.8	62.2	59.3	57.6	57.4	56.7	57.4	58.9	58.9	60.1	61.8	65.0	65.3	61.8	60.8	62.0	62.6	61.6
12	65.0	65.4	63.3	61.6	56.3	61.3	64.3	63.3	61.6	59.5	58.5	58.0	57.6	58.4	59.2	59.3	59.7	60.1	60.5	60.5	60.6	60.7	60.8	60.5	60.7
13	60.5	60.5	60.5	60.3	61.2	62.7	63.3	64.3	61.6	58.6	56.6	56.6	56.9	58.1	59.3	60.7	61.4	61.0	62.4	61.5	61.5	61.2	61.0	60.5	60.5
14	60.3	59.3	61.3	61.1	61.4	63.5	65.0	65.3	63.6	60.2	57.4	56.3	56.1	58.0	58.9	59.3	59.9	60.5	61.3	61.3	61.2	61.4	61.3	61.0	60.6
15	60.5	61.0	63.5	60.7	61.4	63.0	64.3	64.6	62.2	59.3	56.6	55.2	55.7	57.6	59.1	59.1	59.3	59.5	59.9	60.1	60.3	61.4	60.5	60.5	60.1
16	60.3	60.3	60.3	60.3	61.4	63.5	65.2	65.6	63.3	58.4	56.6	54.5	54.2	55.5	57.2	57.6	63.0	70.6	75.0	70.8	65.4	63.2	62.2	62.3	61.9
17	61.8	61.0	59.1	61.4	62.6	65.0	66.6	65.8	64.3	62.4	60.5	59.4	59.1	58.6	59.5	59.7	61.0	65.9	68.3	69.8	70.6	71.2	67.3	73.6	63.9
18	76.5	73.4	66.2	63.6	66.0	67.7	67.7	65.6	63.5	61.4	58.6	57.2	58.4	59.8	60.5	61.6	65.4	62.0	62.0	62.2	62.2	61.6	61.4	62.4	63.6
19	62.4	61.8	60.5	59.9	61.0	62.2	64.0	65.2	63.9	61.2	59.0	57.2	56.9	58.0	58.9	60.3	61.8	61.4	62.2	61.8	62.2	62.0	62.0	62.2	61.2
20	62.4	61.9	61.4	60.3	60.5	61.4	62.8	64.1	61.4	59.7	58.6	57.4	57.4	58.9	59.7	59.7	59.7	60.3	60.3	60.8	61.3	61.8	62.0	61.4	60.6
21	61.2	61.1	61.0	60.8	61.0	62.2	63.9	64.2	62.2	59.5	56.9	55.7	56.2	57.8	58.8	59.1	59.3	59.7	59.9	60.3	60.8	61.0	61.0	60.5	60.2
22	59.9	61.0	61.2	61.0	62.0	63.1	64.3	63.9	61.0	57.6	55.7	55.3	55.9	55.6	55.6	56.9	58.0	61.2	64.5	67.9	69.4	68.3	67.3	66.6	61.4
23	63.5	61.4	59.6	60.3	60.5	62.8	63.1	64.1	60.5	58.9	57.1	57.2	57.4	59.5	61.4	63.6	64.1	68.1	66.6	67.3	68.5	66.3	66.0	61.8	62.5
24	61.0	61.6	61.6	61.0	61.2	63.2	66.0	64.3	61.0	67.7	57.0	58.2	59.1	62.0	61.0	60.1	60.5	61.0	62.6	62.4	62.5	61.7	61.1	60.7	61.2
25	60.3	60.5	60.5	60.7	61.8	63.9	65.9	65.8	63.4	59.9	57.2	56.2	57.8	59.9	58.9	59.5	61.2	61.4	61.0	61.2	61.0	60.9	60.4	60.5	60.8
26	60.3	60.1	59.7	60.3	61.6	64.2	66.0	65.7	63.0	59.7	57.0	56.4	56.3	57.2	58.2	59.1	59.7	60.3	60.6	60.8	60.7	60.5	60.8	60.9	60.4
27	60.8	60.5	60.7	61.0	61.4	63.5	65.0	63.9	61.6	58.6	56.6	55.5	55.7	56.8	57.8	58.4	59.1	59.3	59.7	59.9	60.1	61.8	61.4	60.5	60.0
28	60.8	61.2	60.5	62.0	62.2	62.3	63.9	63.9	61.4	58.6	57.6	57.6	57.6	58.9	58.6	59.8	60.1	61.0	63.3	66.6	65.2	66.2	63.9	60.7	61.4
29	59.9	60.2	60.1	60.3	61.0	53.3	65.3	65.2	63.1	59.4	58.6	56.8	57.0	57.0	58.4	58.0	57.8	59.7	62.2	65.6	65.6	64.2	63.1	62.8	61.0
30	62.4	62.2	59.5	60.1	60.5	62.2	64.1	64.3	62.6	60.7	58.9	57.2	57.2	58.0	58.8	59.4	61.2	59.5	59.9	60.5	61.0	61.0	61.0	61.0	60.6
31	61.0	60.8	60.8	60.7	61.4	62.8	64.1	63.2	60.8	59.3	57.2	56.8	57.4	58.2	58.6	58.9	59.1	59.7	60.1	60.8	61.4	61.0	61.0	61.0	60.3
Среднее по всем дням	61.9	61.8	61.1	61.0	61.3	63.0	64.6	64.4	62.1	59.2	57.2	56.4	56.6	57.8	58.7	59.2	60.1	60.9	61.9	62.5	62.5	62.4	62.0	61.9	60.9

Среднемесячн. H = 21364[8]

Ведомство АН УССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Октябрь Год 1970 H = 21000 + = o=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	382	386	386	382	382	375	370	366	367	374	382	388	391	385	380	376	383	380	386	379	368	374	380	381	379
2	392	379	379	380	380	373	363	359	365	374	373	386	386	380	377	376	381	383	373	377	381	382	386	381	378
3	383	382	380	379	381	379	368	363	364	374	385	388	386	384	383	371	368	371	373	388	392	388	377	395	379
4	385	381	382	379	397	377	363	332	332	336	342	350	365	356	371	368	372	379	385	379	377	373	380	379	368
5	374	375	373	381	382	379	358	348	348	354	367	374	377	379	377	375	374	375	374	389	382	379	374	373	373
6	376	374	377	380	377	371	365	357	360	371	371	371	377	377	380	380	379	379	380	377	379	389	382	379	375
7	379	380	380	382	383	385	380	373	368	375	384	386	387	380	382	380	380	382	383	383	383	383	385	386	381
8	382	383	380	382	380	373	362	355	355	360	371	380	383	382	380	380	382	383	385	383	386	386	385	383	378
9	383	385	385	386	386	382	371	360	356	357	363	369	376	380	380	379	381	381	380	382	385	386	386	385	378
10	385	385	386	386	385	382	370	353	351	359	373	380	381	383	383	383	382	376	363	355	350	354	356	374	373
11	378	388	386	379	382	369	345	332	331	330	335	338	330	329	329	327	327	339	354	367	374	379	377	379	354
12	390	374	373	373	398	373	359	347	342	341	339	345	348	351	360	365	367	370	372	373	374	376	374	373	365
13	373	373	374	377	379	377	371	359	363	365	368	367	360	367	368	359	356	358	367	377	371	374	371	371	369
14	371	376	381	373	371	373	367	351	342	350	352	353	363	364	370	371	373	372	374	374	373	375	376	376	368
15	389	382	382	382	382	379	373	359	352	352	360	371	374	374	371	374	379	381	383	383	382	383	382	380	375
16	380	381	382	385	386	382	380	374	368	380	374	354	325	330	338	318	284	274	271	283	324	325	333	345	345
17	342	342	354	354	359	350	342	332	325	318	318	315	312	303	293	294	266	255	262	272	286	304	351	343	316
18	355	376	389	359	317	314	311	301	290	306	323	326	329	329	329	322	353	342	346	347	353	361	369	356	338
19	359	356	357	364	361	356	354	338	323	337	341	343	343	335	338	341	344	352	367	365	366	363	366	364	351
20	364	364	367	369	370	364	356	347	344	335	338	350	348	353	354	356	360	366	369	369	367	372	370	367	359
21	368	368	369	372	375	377	372	358	348	347	355	366	370	373	373	373	373	374	375	377	378	377	373	373	369
22	375	376	370	375	376	376	359	343	328	336	343	346	343	342	333	321	319	311	311	302	300	318	353	337	341
23	351	342	346	346	356	351	350	338	340	332	333	334	332	329	317	300	304	344	333	320	327	339	340	344	335
24	352	350	356	362	362	356	343	343	323	338	340	335	337	340	349	352	358	361	369	371	360	361	361	361	352
25	366	368	370	370	373	370	356	340	341	351	356	359	356	355	355	359	365	373	370	374	373	374	374	373	363
26	373	373	375	375	379	375	362	350	347	347	350	353	355	360	364	368	370	370	373	373	376	378	375	375	366
27	373	375	378	378	376	373	366	359	358	361	369	376	378	379	379	382	382	384	382	385	382	388	375	380	376
28	379	382	384	393	388	387	373	362	358	359	364	375	376	373	372	362	360	362	366	378	364	351	349	367	370
29	366	364	367	372	376	370	359	357	353	354	355	362	367	362	369	372	372	355	379	379	349	369	378	379	366
30	367	364	362	378	373	367	362	355	347	341	346	353	362	366	364	366	376	373	375	376	378	379	379	377	366
31	376	376	376	378	378	378	370	362	355	349	361	366	366	370	367	367	370	375	376	378	382	378	377	376	371
Среднее по всем дням	373	373	374	375	376	371	361	351	347	350	356	360	361	360	361	359	359	361	363	365	365	368	371	371	364

Среднемесячн. Z = 43294

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Октябрь Год 1970 Z = 43000 + = 0 =

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	289	288	288	287	288	288	287	280	276	274	269	273	278	280	285	287	290	290	291	290	291	293	295	292	285
2	289	285	288	290	290	292	290	283	275	273	272	275	277	282	285	287	290	291	290	293	292	292	290	290	286
3	288	289	288	289	290	291	289	282	276	270	271	271	277	282	286	287	295	295	296	298	290	288	293	290	286
4	284	286	288	288	289	285	288	281	283	281	282	287	290	295	300	295	295	294	292	291	290	291	293	290	289
5	290	290	291	290	291	290	289	288	279	273	279	281	286	290	291	292	292	292	292	295	289	290	290	291	288
6	291	291	291	291	292	295	296	289	284	281	279	280	286	291	291	290	291	292	291	291	293	295	288	290	290
7	291	291	290	291	293	297	296	291	282	274	274	278	283	287	288	289	290	290	290	290	291	290	289	288	288
8	289	290	289	291	295	297	296	288	277	273	277	278	282	285	288	289	290	290	290	290	290	290	290	290	288
9	290	289	289	290	294	296	294	286	280	276	274	276	283	287	288	287	290	290	290	290	290	289	289	289	287
10	289	289	289	289	291	292	289	283	277	272	274	275	281	287	286	286	289	290	292	296	297	298	298	294	288
11	292	289	287	288	289	286	287	288	282	277	281	287	292	300	303	305	306	307	304	301	301	298	296	295	293
12	286	287	289	292	291	285	286	281	277	284	287	289	291	296	298	296	296	296	296	296	296	295	294	294	291
13	293	293	292	294	296	297	297	285	284	278	278	281	287	292	291	291	296	297	297	296	295	293	293	293	291
14	295	295	290	291	295	296	295	291	288	282	279	279	284	288	291	292	292	293	295	295	293	293	292	292	291
15	291	289	290	291	295	297	296	287	278	277	277	279	285	289	291	292	292	292	292	291	291	290	290	290	289
16	291	291	291	292	294	295	292	284	279	278	274	280	292	300	300	308	314	316	308	323	320	313	310	304	298
17	304	304	304	301	305	306	308	305	298	295	292	297	303	311	312	318	324	325	329	325	322	320	297	291	308
18	288	288	286	278	294	305	309	303	301	302	299	298	304	307	308	308	310	307	306	306	304	305	298	299	301
19	300	300	302	301	302	303	303	293	286	287	285	287	292	299	303	304	306	305	304	301	300	300	300	298	298
20	299	299	299	299	300	300	299	295	291	287	289	289	295	300	301	301	301	301	301	300	300	299	298	299	298
21	299	298	298	298	300	302	360	296	292	291	291	291	296	298	298	297	297	298	298	298	297	297	296	298	297
22	297	295	295	296	299	304	303	300	298	295	295	297	299	301	304	307	314	316	318	317	316	313	306	304	304
23	301	301	302	305	310	308	310	301	296	291	295	298	305	307	312	317	319	317	308	310	310	308	305	307	306
24	303	303	305	306	308	311	312	304	295	301	306	306	307	309	310	306	305	305	304	301	301	301	301	301	305
25	301	301	301	301	303	305	300	292	287	287	289	295	298	302	302	303	303	302	301	301	300	300	300	299	299
26	298	299	300	299	300	301	296	288	281	281	285	291	295	297	300	300	299	299	300	299	299	298	297	297	296
27	296	296	296	296	298	298	291	284	278	278	279	283	289	291	292	294	293	295	295	296	295	295	292	295	291
28	295	295	294	292	291	296	292	292	287	287	288	289	295	297	295	296	297	299	297	298	292	295	298	301	294
29	299	298	298	298	300	302	301	295	290	290	290	291	293	294	295	296	297	299	303	296	296	302	300	292	296
30	292	295	297	296	296	301	304	300	296	293	295	296	298	299	298	298	299	299	298	298	298	297	296	296	297
31	296	296	296	296	297	300	300	295	288	287	291	292	296	297	296	297	298	298	298	297	297	296	296	296	296
Среднее по всем дням	294	294	294	294	296	297	297	291	285	283	284	286	291	295	296	297	299	299	299	299	298	298	296	295	294

Среднемесячн. $\mathcal{D}$ = 2°00.8

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' Элемент Склонение.

Месяц Ноябрь Год 1970 D = 1° + = 0=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	60.8	61.0	61.0	60.8	61.0	62.4	64.1	64.3	62.4	59.1	56.8	56.3	57.0	58.0	58.7	58.9	59.0	59.5	59.9	62.3	60.4	60.5	60.5	60.3	60.2
2	60.2	60.4	60.2	60.4	61.2	63.2	64.2	62.7	60.2	58.1	56.2	56.0	56.7	57.7	59.0	59.0	59.2	59.6	60.1	60.4	60.6	60.6	60.6	61.5	59.9
3	61.9	63.3	62.1	62.0	61.3	62.5	63.2	62.2	59.6	57.7	56.7	56.7	57.3	58.5	59.1	59.0	58.3	59.2	60.4	61.9	62.4	64.1	64.0	63.2	60.7
4	62.3	62.3	61.6	61.3	61.0	61.5	62.1	61.4	59.8	57.3	55.6	55.0	57.5	58.5	59.0	58.9	59.0	59.2	60.0	60.6	61.7	62.5	62.9	62.3	60.1
5	62.1	61.9	61.9	61.1	61.3	61.7	62.6	62.3	61.3	59.8	58.1	57.3	57.7	57.5	58.3	59.6	60.2	59.2	59.8	61.5	62.3	64.1	63.2	61.9	60.7
6	61.1	59.4	59.2	59.9	60.4	60.2	61.1	62.2	60.8	59.4	58.3	57.1	58.5	61.9	60.4	61.1	61.3	60.9	60.6	60.6	61.3	62.9	61.7	61.1	60.5
7	59.6	54.5	59.8	58.3	57.6	57.9	62.5	64.6	64.4	62.1	59.4	57.1	59.6	58.8	63.8	61.9	62.5	63.4	64.8	64.2	62.5	62.9	62.7	62.1	61.1
8	63.5	63.2	63.2	62.5	64.0	65.3	65.9	64.4	62.3	60.0	58.3	59.0	59.2	59.9	60.9	62.3	60.8	61.2	61.7	62.5	61.1	61.1	61.0	60.9	61.8
9	60.4	61.1	61.3	61.5	61.9	61.9	62.9	62.9	61.3	59.6	59.2	58.7	59.0	59.2	59.6	61.9	62.5	62.1	62.3	61.9	61.5	61.1	61.2	61.0	61.1
10	60.8	61.3	59.6	60.9	61.3	61.5	62.7	62.5	61.1	59.0	59.0	59.4	58.4	58.5	61.1	64.2	61.7	63.4	62.7	61.7	62.1	61.7	61.1	61.4	61.1
11	60.2	59.2	61.5	61.0	61.4	61.9	62.5	62.1	61.5	60.2	57.7	59.3	59.8	61.7	61.1	63.1	65.4	62.1	61.0	61.2	63.0	63.4	62.1	61.3	61.4
12	60.9	60.7	61.1	60.6	61.1	61.0	62.1	62.5	62.3	60.4	59.6	60.6	60.4	62.1	63.4	60.8	62.3	60.5	60.4	60.8	60.9	61.1	61.1	61.1	61.2
13	61.1	60.8	61.0	60.4	61.1	60.4	61.7	61.9	60.6	58.9	58.5	59.0	60.4	62.9	60.8	60.2	60.6	61.7	62.3	62.5	62.3	62.6	61.3	60.6	61.0
14	60.6	60.9	61.1	61.3	61.1	61.5	62.7	62.3	61.3	60.0	58.9	58.7	59.4	59.6	59.4	59.6	60.2	60.6	61.9	62.3	61.1	61.3	61.5	61.3	60.8
15	61.1	61.1	60.9	60.9	60.9	61.1	61.9	62.3	61.9	59.4	57.3	57.1	57.5	57.9	58.3	59.2	59.6	59.8	60.0	61.1	62.7	62.1	61.5	61.1	60.3
16	60.6	60.6	60.2	60.2	60.4	60.8	61.7	61.9	60.9	59.2	57.1	57.1	57.2	57.5	57.1	57.1	56.8	60.2	59.4	60.0	60.8	60.6	60.9	61.7	59.6
17	60.6	60.4	60.2	59.6	60.0	60.4	61.9	62.7	61.1	59.0	57.7	57.7	58.1	58.3	58.3	58.5	59.2	59.4	60.0	60.4	60.6	60.9	60.6	60.9	59.9
18	60.2	60.2	60.4	60.0	60.4	60.4	61.0	60.9	59.4	57.7	56.9	57.3	57.9	56.2	54.5	57.1	57.9	59.0	60.0	60.9	61.5	62.3	68.8	70.1	60.0
19	70.1	66.3	64.4	65.0	62.3	61.7	62.2	62.9	61.7	60.4	59.0	59.0	59.6	60.6	61.1	61.0	60.6	61.0	61.4	61.7	61.7	61.7	61.5	61.3	62.0
20	61.3	61.4	61.4	61.5	61.5	61.5	62.5	63.3	62.2	60.9	59.4	59.6	59.8	59.8	59.8	60.0	59.8	59.8	60.0	60.4	60.6	60.4	60.2	60.4	60.7
21	60.4	60.4	59.4	59.4	60.6	61.7	62.9	63.8	64.0	64.6	60.0	60.4	60.2	66.5	64.0	65.0	65.6	65.7	63.2	62.1	62.1	61.1	60.2	60.2	62.2
22	59.8	59.2	60.9	59.6	61.2	61.7	62.3	62.3	61.5	59.2	58.7	58.3	60.0	61.0	60.9	63.1	64.1	65.9	67.2	67.1	66.9	65.7	64.8	63.6	62.3
23	62.7	60.6	60.2	59.8	61.1	61.5	62.3	61.7	60.2	59.0	59.1	58.1	59.4	59.4	63.0	62.3	66.7	66.3	67.4	69.9	63.8	62.3	62.0	62.7	62.1
24	61.7	61.2	60.9	60.4	61.3	61.3	62.1	61.7	61.3	60.4	59.0	58.1	58.1	58.7	59.4	59.4	59.4	59.8	61.5	62.9	61.5	61.7	61.9	61.5	60.6
25	61.3	61.1	61.0	60.9	60.8	61.3	61.7	60.5	60.0	60.0	59.4	58.1	58.1	58.5	59.1	60.9	59.4	61.3	64.6	62.1	62.3	61.9	61.1	61.3	60.7
26	60.0	60.1	60.2	60.0	60.6	61.1	62.3	62.5	61.9	59.8	59.0	58.9	59.0	59.0	59.0	60.8	61.5	60.9	60.4	61.4	64.4	62.3	61.9	61.1	60.8
27	60.6	60.4	60.2	60.2	60.5	60.9	61.9	62.1	60.6	58.3	57.8	57.1	58.1	60.4	59.6	59.9	60.1	61.5	63.8	61.0	61.9	62.5	61.9	62.1	60.6
28	61.1	60.6	60.4	60.6	60.9	60.9	61.9	62.3	61.7	59.8	58.1	58.3	59.0	59.0	59.8	62.5	60.2	60.4	60.6	61.1	61.3	61.3	60.9	60.9	60.6
29	60.4	60.4	60.5	60.6	60.6	61.1	62.0	62.3	61.7	59.6	58.3	58.1	58.5	58.7	59.2	59.4	59.2	59.6	60.2	60.6	60.6	60.6	60.4	60.2	60.1
30	60.0	59.8	59.9	60.3	60.3	60.8	61.3	61.7	60.9	59.6	57.9	57.3	57.9	58.4	59.2	59.4	59.6	60.0	60.3	60.6	60.6	60.6	60.4	60.6	59.9
31																									
Среднее по всем дням	61.2	60.8	60.9	60.7	61.0	61.4	62.4	62.4	61.3	59.6	58.2	58.0	58.6	59.5	59.9	60.5	60.8	61.1	61.6	61.9	61.9	61.9	61.8	61.7	60.8

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Горизонтальная составляющая

Месяц Ноябрь Год 1970 H = 21000 + = 0=

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	376	376	377	380	384	382	372	360	353	354	361	367	376	379	378	376	378	378	381	381	382	381	381	380	375
2	382	382	385	386	385	378	364	358	349	350	367	369	364	359	366	372	378	379	381	381	381	382	380	382	373
3	384	378	373	376	381	370	358	353	353	353	362	367	367	369	373	372	366	359	353	356	362	378	367	370	367
4	381	378	376	376	375	373	366	359	350	350	353	358	364	370	375	375	376	376	381	381	375	382	381	376	371
5	372	383	378	376	376	376	373	379	372	366	367	370	369	373	373	362	375	380	378	386	396	390	391	379	377
6	373	378	379	374	372	379	385	372	353	345	337	332	327	333	331	336	349	358	364	366	366	378	372	369	360
7	379	414	399	367	357	375	356	338	295	286	285	285	317	289	280	299	315	327	342	361	373	343	341	347	336
8	350	342	341	347	342	338	328	324	319	320	326	328	341	344	341	349	356	356	358	364	361	360	360	361	344
9	361	361	364	362	364	358	352	342	338	334	334	340	347	358	358	350	357	352	366	367	371	373	366	366	356
10	369	367	364	370	373	363	363	357	353	350	332	326	337	344	343	341	335	349	366	367	362	369	363	362	355
11	366	388	370	369	361	361	355	349	338	333	334	344	341	341	343	362	366	358	358	359	375	373	356	361	357
12	362	366	366	366	364	369	367	356	352	347	347	347	353	344	346	349	364	362	366	367	368	368	368	369	360
13	370	370	370	366	366	370	358	352	350	353	356	357	350	347	340	340	338	337	338	348	353	356	367	366	355
14	367	370	366	366	366	366	361	363	365	364	364	367	367	364	362	359	353	353	372	359	374	375	372	372	365
15	373	374	375	374	375	376	373	366	356	355	359	366	372	372	371	372	376	379	379	380	375	375	376	376	372
16	376	379	380	384	385	387	382	376	367	364	362	373	374	382	387	391	379	373	386	385	388	394	391	388	381
17	380	382	382	386	397	397	399	391	384	376	378	376	376	379	381	381	379	381	379	382	383	381	380	381	383
18	382	382	384	387	391	391	388	379	378	379	384	382	389	394	378	326	343	367	368	372	372	375	365	341	375
19	331	327	341	343	346	350	335	328	332	332	333	345	348	350	355	355	356	356	358	359	362	362	363	365	347
20	367	367	368	369	370	373	373	364	360	362	364	367	370	373	372	372	372	373	373	373	375	373	373	377	370
21	375	373	373	375	379	375	376	362	335	316	311	314	294	270	253	270	296	321	334	332	340	342	346	346	334
22	344	352	347	356	353	352	355	349	340	332	330	335	331	326	318	321	316	323	318	331	335	343	349	349	338
23	350	352	359	362	362	355	341	331	319	317	318	321	337	342	308	283	285	306	326	327	344	356	362	361	334
24	352	352	355	361	359	373	376	373	360	352	359	369	374	374	373	369	347	337	341	355	368	364	361	367	361
25	367	370	373	378	382	385	380	374	366	359	369	373	371	371	367	372	367	352	362	358	367	376	373	375	370
26	370	369	368	370	374	378	378	376	369	366	369	370	376	374	374	367	372	373	378	373	384	377	372	372	373
27	372	373	373	379	384	385	381	376	367	359	367	371	359	349	359	372	373	373	376	376	375	379	382	378	372
28	375	375	372	376	378	376	376	372	370	370	373	373	369	371	359	363	364	373	376	380	379	382	378	378	373
29	379	379	379	379	383	385	381	374	371	373	378	380	382	383	384	383	382	380	382	382	384	384	385	385	381
30	385	384	385	385	385	382	380	375	370	364	367	372	376	381	381	381	380	382	383	383	385	383	384	385	380
31																									
Среднее по всем дням	369	371	371	372	372	373	368	361	353	349	352	355	357	357	354	354	356	359	364	366	370	372	370	369	363

Среднемесячн. H = 21363γ

Среднемесячн. Z = 43298

Ведомство АНУССР Обсерватория Одесская Широта 46°47' Долгота 30°53' ЭЛЕМЕНТ Вертикальная составляющая

Месяц Ноябрь Год 1970 Z = 43000 + = 0 =

Время мировое

Дни	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.
1	296	296	296	296	297	299	298	291	285	284	287	289	292	293	292	294	295	296	296	295	296	295	295	294
2	295	295	295	295	296	296	296	288	282	285	289	290	292	295	296	297	296	296	296	295	295	294	294	293
3	294	291	294	295	295	294	294	291	292	295	294	290	290	295	296	296	298	299	301	302	301	300	296	297	295
4	297	295	295	296	295	296	296	292	286	288	290	293	295	298	298	297	296	296	297	297	296	297	294	295	295
5	295	295	292	294	294	293	291	285	277	277	278	280	284	290	292	292	297	298	295	295	295	289	290	288	290
6	290	292	290	290	290	292	291	287	282	284	290	295	296	303	304	306	306	303	302	300	299	298	295	296	295
7	299	292	278	283	292	289	288	295	300	307	311	312	318	312	321	321	318	314	313	309	300	297	301	302	303
8	297	300	301	302	302	303	300	298	295	296	298	301	305	304	304	306	305	304	303	302	301	301	301	301	301
9	301	300	301	301	302	305	301	297	292	292	297	300	301	303	302	301	304	303	305	300	301	297	299	300	300
10	300	298	300	298	299	300	301	297	295	295	298	304	305	306	304	308	307	308	306	303	301	302	300	301	302
11	301	296	294	296	296	298	301	299	298	300	301	301	302	304	305	307	302	304	303	303	302	296	300	301	300
12	301	300	301	300	300	299	300	296	295	295	297	299	300	299	305	306	305	303	302	301	301	300	300	300	300
13	300	300	299	298	299	300	301	301	298	297	294	296	296	299	304	305	305	307	307	307	305	304	303	300	301
14	300	298	297	299	300	301	301	299	295	293	295	296	296	296	299	301	301	303	304	302	303	300	299	299	299
15	299	298	298	298	298	298	297	294	289	288	288	291	295	296	298	299	299	298	298	298	297	299	299	297	296
16	297	296	296	296	295	295	296	295	294	295	297	296	297	297	295	296	295	297	300	297	297	295	294	291	296
17	294	295	295	297	294	291	287	284	279	278	282	285	289	291	294	294	294	295	295	295	295	294	294	294	291
18	295	294	294	295	294	295	296	291	290	285	285	289	291	292	292	298	307	308	303	301	300	299	294	294	295
19	297	301	299	296	299	295	291	299	300	294	291	298	300	301	303	302	303	303	303	303	303	301	300	300	299
20	300	300	300	300	300	299	297	293	292	289	292	299	301	298	297	298	297	298	298	297	297	297	297	296	297
21	296	296	298	296	296	295	297	292	288	289	300	307	311	319	326	328	326	317	316	311	309	307	306	306	306
22	305	304	301	301	300	300	301	299	294	296	300	305	306	310	310	311	313	312	310	312	307	306	305	304	305
23	303	304	304	302	302	304	302	299	299	301	306	311	315	313	309	320	323	325	317	312	314	308	306	300	308
24	303	305	306	306	305	305	302	298	292	294	296	299	301	302	302	302	302	308	312	312	309	305	304	304	303
25	302	301	299	301	301	301	292	292	292	296	299	297	298	299	300	301	301	300	306	305	304	302	301	299	300
26	299	298	299	300	300	299	298	295	289	287	288	292	295	296	298	298	301	301	300	299	299	298	298	298	297
27	298	298	298	298	298	297	299	296	290	289	294	298	297	301	303	303	301	300	301	300	299	299	298	295	298
28	297	297	297	298	298	298	298	296	290	286	286	292	298	300	298	302	302	301	300	299	298	298	297	297	297
29	297	297	297	297	297	297	296	291	289	292	294	297	296	296	297	297	297	297	297	297	297	296	296	295	296
30	296	295	295	295	294	294	292	289	287	287	288	293	297	297	297	296	296	296	296	296	296	295	295	294	294
31																									
Среднее по всем дням	298	298	297	297	298	298	297	294	291	291	294	296	299	300	301	303	303	303	303	302	301	299	298	298	298

Среднемесячн. D = 2°00.6

Ведомство АНУССР Широта 46°47' Долгота 30°53' Элемент Склонение

Обсерватория Одесская D = 1° + =

Месяц Декабрь Год 1970

дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.
1	60.4	60.3	60.0	60.1	60.2	60.6	61.3	61.6	61.1	59.8	58.5	57.9	57.9	58.3	59.0	59.2	59.6	59.8	60.0	60.2	60.6	60.8	58.7	58.6	59.8
2	60.9	60.5	60.2	60.2	60.0	59.8	60.2	60.4	59.6	58.3	57.5	57.9	58.5	59.0	58.9	58.5	59.2	59.2	59.4	60.7	61.3	60.8	60.4	60.4	59.7
3	60.6	59.4	60.0	60.2	60.2	60.6	60.8	60.6	60.0	58.7	57.7	57.9	58.3	59.0	59.0	59.2	59.4	59.6	60.0	60.4	60.6	60.8	61.3	61.1	59.8
4	60.3	60.5	60.4	60.4	60.7	61.1	61.6	61.5	60.6	59.0	57.7	57.1	57.9	58.6	58.3	58.7	59.0	59.2	59.6	59.6	61.3	64.8	63.1	62.1	60.1
5	61.3	60.6	60.0	59.9	60.6	60.4	61.3	61.0	60.1	58.8	58.6	58.3	58.4	58.5	59.0	60.2	60.0	59.8	60.0	60.2	60.4	60.3	60.2	60.2	59.9
6	60.2	60.2	59.9	60.2	60.9	60.9	61.5	61.7	60.2	58.8	57.9	57.9	58.3	58.9	59.8	59.4	59.5	61.1	61.9	62.3	62.3	61.9	61.1	60.9	60.3
7	60.6	60.6	60.4	60.6	60.8	61.1	61.3	61.5	61.1	60.2	58.5	58.7	59.2	58.5	59.0	59.6	60.3	60.4	60.9	62.7	62.9	63.6	63.4	62.2	60.8
8	61.3	60.6	60.0	57.7	59.8	61.7	63.4	64.2	62.9	60.4	58.0	57.3	58.1	61.5	60.6	60.0	60.4	60.9	62.6	65.7	62.7	61.7	60.9	60.9	61.0
9	60.6	60.9	61.1	61.5	61.7	62.1	62.4	62.1	59.9	58.5	58.2	58.7	58.5	58.7	59.4	59.8	60.2	61.1	60.6	60.7	60.9	60.8	60.6	60.6	60.4
10	60.3	60.3	60.4	60.6	60.9	61.3	62.1	63.0	61.5	59.6	58.3	57.9	58.5	58.7	59.6	60.5	60.4	60.6	60.6	61.9	61.5	61.1	60.6	60.2	60.4
11	60.0	60.0	60.0	60.2	60.4	60.7	61.3	61.7	60.9	59.8	58.5	58.1	58.5	59.0	59.2	59.4	59.6	59.9	60.4	60.2	60.2	60.0	59.8	59.6	59.9
12	59.4	59.4	59.2	59.4	60.0	60.4	61.0	61.4	60.6	60.2	58.7	58.7	58.3	58.0	58.7	59.4	60.0	60.4	60.9	61.1	60.9	61.3	62.1	61.7	60.0
13	61.5	61.1	60.2	60.4	60.5	60.4	60.3	61.1	59.7	59.0	57.7	57.3	57.9	58.7	59.4	59.6	59.6	59.8	60.6	60.2	60.4	60.6	60.9	61.9	60.0
14	61.1	61.2	60.6	60.3	61.9	58.4	63.4	69.7	64.1	61.9	60.4	62.6	60.6	61.5	61.4	62.3	62.7	62.5	69.5	66.9	65.9	66.7	68.8	64.0	63.3
15	64.2	61.9	60.0	62.3	62.5	62.5	62.1	62.9	62.2	61.0	60.2	59.6	59.4	61.7	61.6	61.9	61.7	61.9	62.7	62.5	62.9	63.2	62.7	63.8	62.0
16	63.4	63.2	62.3	61.9	62.3	62.4	62.7	62.9	61.5	60.2	59.2	58.9	59.2	60.2	60.9	60.9	60.6	61.1	61.1	61.5	61.9	62.1	62.1	62.9	61.5
17	63.0	62.3	62.2	62.1	61.9	61.7	61.9	61.9	60.4	58.7	57.9	58.5	59.4	60.6	61.1	61.1	61.0	60.9	61.0	61.1	61.5	61.3	61.2	61.3	61.0
18	61.3	61.1	61.0	61.1	61.1	61.3	61.9	61.7	60.9	59.4	58.9	59.5	60.3	60.9	60.7	60.4	60.4	60.5	60.6	60.6	60.9	60.6	60.2	60.2	60.6
19	60.0	60.0	60.0	59.8	60.0	60.6	61.7	61.7	59.8	58.1	57.3	58.1	59.0	59.8	60.0	59.6	59.4	59.4	59.6	60.6	61.7	61.0	59.7	61.8	59.9
20	60.4	59.8	59.6	60.6	60.4	60.6	61.3	61.3	60.4	59.2	59.8	59.1	59.6	60.4	60.4	60.6	60.6	60.6	60.9	61.9	62.1	61.9	61.5	60.9	60.6
21	60.4	60.4	60.2	60.4	60.6	61.3	62.3	62.1	61.5	60.1	58.7	57.9	58.7	59.6	60.2	60.4	60.4	60.4	60.6	60.6	60.9	62.1	61.9	61.5	60.6
22	61.3	60.7	60.4	60.6	60.9	61.1	62.1	61.9	61.3	59.4	57.5	57.8	58.7	59.4	59.6	60.2	60.2	60.4	60.7	61.1	61.5	61.3	61.7	60.7	60.4
23	60.7	60.6	60.4	59.6	60.3	60.7	62.3	62.3	61.5	60.4	57.9	57.9	58.7	59.0	59.6	59.8	61.4	60.6	60.5	60.5	60.6	60.6	60.6	61.7	60.3
24	62.4	64.7	62.5	62.3	62.3	62.5	63.2	62.5	60.3	58.5	58.0	58.6	59.4	59.5	60.4	60.6	60.0	60.4	60.7	61.5	62.3	61.9	61.3	61.5	61.1
25	61.9	61.3	60.8	60.9	61.1	61.5	62.1	61.3	60.6	60.0	59.0	58.5	59.2	60.0	60.1	60.0	60.2	59.6	59.8	60.8	61.7	61.5	61.5	61.5	60.6
26	61.1	60.9	60.9	61.1	61.3	62.1	62.1	61.5	60.3	59.0	58.3	58.1	58.7	59.8	60.0	59.8	59.7	59.8	60.2	60.6	61.1	61.5	61.3	61.3	60.4
27	60.9	60.9	60.7	60.0	60.2	60.8	61.7	61.6	60.8	59.6	58.3	58.1	58.7	59.8	58.7	59.1	59.8	59.5	60.2	61.5	62.4	65.9	66.5	65.3	60.9
28	65.7	65.2	62.9	61.7	60.4	60.8	61.3	61.3	61.1	60.0	59.8	58.7	59.2	58.5	57.7	58.6	59.6	62.9	67.6	64.8	63.8	66.7	64.8	67.1	62.1
29	64.8	61.5	61.1	60.5	60.6	61.1	62.7	63.2	62.7	61.5	59.6	58.7	59.3	59.8	60.2	59.2	58.5	58.3	59.8	60.6	61.1	61.7	63.0	68.4	61.2
30	64.2	60.4	59.4	58.7	58.7	60.6	61.7	62.7	62.7	62.1	60.2	59.6	59.8	60.4	60.6	60.6	64.0	62.7	60.4	60.9	60.6	60.9	61.1	60.7	61.0
31	60.6	60.4	60.3	60.2	60.6	60.9	61.9	62.1	60.9	60.2	59.4	58.9	59.4	59.8	60.2	59.9	60.2	60.1	60.2	60.6	60.6	60.6	60.4	60.0	60.4
Среднее по всем дням	61.4	61.0	60.6	60.5	60.8	61.0	61.8	62.1	61.0	59.7	58.6	58.5	58.9	59.6	59.8	60.0	60.2	60.4	61.1	61.4	61.6	61.9	61.7	61.8	60.6

Среднемесячн. H = 21369γ

Ведомство АНУССР Широта 46°47' Долгота 30°53' Элемент Горизонтальная составляющая

Обсерватория Одесская H = 21000 + =

Месяц Декабрь Год 1970

дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.
1	382	382	385	387	388	389	387	384	383	380	380	384	385	385	384	385	385	385	386	387	387	387	385
2	386	385	387	388	389	391	390	385	381	381	385	390	391	390	393	390	390	393	384	373	373	379	380	383	386
3	381	390	391	390	388	388	384	378	373	376	381	382	383	384	384	384	382	382	384	384	382	383	384	379	383
4	379	379	381	384	384	387	388	379	371	367	370	379	378	382	391	390	390	393	394	388	380	376	372	376	382
5	378	379	381	385	383	387	384	377	370	366	372	379	384	379	369	356	372	379	379	379	379	381	382	383	378
6	382	382	381	385	388	388	385	373	362	358	352	356	363	356	349	349	343	347	357	360	361	366	371	371	366
7	373	373	378	379	381	382	380	379	373	365	364	362	358	353	353	356	364	366	367	367	356	379	375	370	369
8	371	372	384	384	379	370	356	346	338	340	333	335	333	335	352	361	364	364	359	359	356	361	367	366	358
9	364	366	364	368	367	362	362	358	356	355	353	358	369	366	369	372	373	376	378	379	375	375	375	374	367
10	374	376	378	379	380	379	380	379	370	359	359	361	364	361	361	368	369	373	373	372	373	375	376	378	372
11	379	380	380	382	382	385	386	387	381	372	370	373	376	379	380	382	382	381	382	385	385	385	385	385	381
12	386	386	388	391	390	388	387	382	377	372	381	382	379	370	364	372	377	379	377	379	381	379	379	375	380
13	378	376	376	377	378	379	384	379	373	371	375	378	383	385	385	385	385	381	379	385	386	387	385	385	381
14	384	382	390	387	387	359	297	242	261	315	303	292	294	299	311	311	315	311	291	321	316	329	325	326	323
15	321	332	333	332	337	335	330	321	312	311	315	328	337	331	333	328	324	335	335	341	346	347	347	352	332
16	352	349	349	346	346	346	347	344	338	338	344	350	355	358	358	356	353	353	353	356	356	355	356	360	351
17	358	359	359	358	359	359	362	361	356	355	358	358	362	363	359	362	363	364	366	365	365	366	367	367	361
18	369	369	369	369	369	369	367	359	353	355	365	370	370	370	372	370	369	367	370	372	372	376	383	382	369
19	380	379	381	387	385	386	385	384	367	361	379	383	382	381	380	382	385	388	378	376	373	365	387	386	380
20	380	376	375	375	378	375	369	356	340	341	350	358	359	358	359	363	364	364	366	362	359	364	370	372	364
21	371	373	375	378	375	373	366	356	347	349	353	359	362	372	373	375	375	374	375	375	372	368	365	367	368
22	369	366	370	369	372	372	374	366	359	366	369	372	373	381	378	375	372	373	375	375	375	364	369	370	371
23	371	372	370	379	379	378	376	365	359	361	366	366	375	376	366	366	372	375	378	379	381	379	380	376	373
24	371	387	393	381	362	350	346	337	338	355	370	376	373	367	362	367	373	372	374	370	372	369	370	370	367
25	373	369	370	369	368	367	367	361	359	364	370	375	379	384	379	379	379	378	374	375	376	376	376	379	373
26	376	376	373	373	370	367	366	353	352	364	370	372	376	379	378	376	372	373	379	379	379	378	376	373	372
27	376	376	376	379	381	379	376	367	369	376	379	381	379	370	372	368	368	369	367	362	365	367	362	364	372
28	366	366	365	376	374	376	376	369	362	364	367	370	360	359	353	346	329	319	330	318	338	329	341	353	354
29	347	356	358	360	361	366	362	353	347	351	357	358	361	365	369	372	372	374	359	370	376	376	373	388	364
30	362	372	362	367	378	373	376	372	369	367	369	367	366	366	366	366	358	358	366	370	374	370	370	372	368
31	373	373	375	378	379	384	385	379	374	373	378	382	381	382	379	379	379	381	382	382	381	381	381	379	379
Средняя по всем дням	371	373	374	376	375	374	370	362	357	359	362	366	367	367	367	367	368	369	368	369	369	370	371	373	369

Среднемесячн. Z = 43298γ

Ведомство АНУССР Широта 46°47' Долгота 30°53' Элемент Вертикальная составляющая

Обсерватория Одесская Z = 43000 + =

Месяц Декабрь Год 1970

дни \ Время мировое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	Средн. суточн.
1	294	294	295	295	294	292	290	286	285	285	285	288	291	293	295	295	295	295	295	294	293	292	292	292
2	292	292	292	293	292	290	289	286	286	288	287	289	290	291	292	292	292	292	293	297	296	295	294	291
3	293	295	291	291	291	290	290	287	289	292	295	295	295	294	294	294	295	295	295	294	294	292	292	293
4	294	294	294	294	294	294	287	283	284	287	294	297	296	296	296	294	292	292	291	291	291	292	292	292
5	292	292	294	294	292	292	294	294	290	291	295	297	295	295	294	296	299	298	297	296	296	296	295	295
6	294	294	295	295	295	293	291	286	289	293	297	300	301	299	302	302	302	304	304	302	302	301	300	298	297
7	298	297	297	297	297	294	291	291	291	291	294	295	297	298	300	301	302	301	300	297	298	299	292	292	296
8	294	294	292	295	291	294	299	296	292	294	295	300	301	305	308	304	302	302	300	301	302	302	301	298	298
9	298	298	298	299	299	297	296	289	292	298	303	305	303	303	302	301	299	299	299	298	297	297	297	296	298
10	296	296	296	297	297	295	292	288	283	284	288	294	297	298	300	300	300	299	298	297	297	297	297	297	295
11	297	296	296	297	296	295	292	288	286	284	287	291	295	296	296	296	296	295	295	295	294	293	293	294
12	294	294	294	294	292	290	288	289	291	290	291	292	294	294	296	298	298	297	297	296	296	295	294	294	294
13	295	295	295	295	294	291	288	284	284	285	283	288	292	294	295	295	295	294	295	295	294	293	292	291	292
14	292	291	289	288	288	289	294	295	317	322	307	307	313	313	316	315	315	314	312	315	313	308	305	308	305
15	308	310	308	306	308	307	308	303	299	304	308	310	310	310	313	309	312	312	311	311	309	308	307	307	308
16	306	306	306	306	306	306	305	302	302	302	302	304	307	308	308	307	306	306	307	307	306	305	305	304	305
17	303	304	303	303	304	303	304	301	293	298	300	303	305	306	305	305	305	304	304	303	303	303	302	302	303
18	302	302	302	302	303	302	301	299	298	301	306	309	308	306	303	303	302	302	303	302	301	302	299	299	302
19	298	298	299	299	298	299	297	292	291	295	296	296	297	299	299	299	299	298	298	298	298	299	300	291	297
20	296	297	297	299	300	300	297	299	301	303	304	304	305	305	305	304	303	302	302	301	302	302	302	300	301
21	300	300	300	299	300	300	300	298	301	299	297	298	302	304	302	301	300	300	300	299	299	299	299	300	300
22	300	299	299	299	300	301	300	297	299	295	291	296	300	302	300	300	300	301	300	300	299	299	300	299	299
23	299	298	298	299	298	299	300	299	300	299	298	297	301	301	299	301	302	301	300	299	299	298	297	297	299
24	297	293	293	290	291	295	296	292	292	290	296	301	301	301	301	302	301	300	300	299	300	299	300	300	297
25	298	299	299	299	299	299	296	296	296	294	294	297	300	299	298	299	300	300	300	300	300	299	299	299	298
26	298	298	297	297	298	299	300	298	301	300	298	301	303	302	300	300	300	300	300	299	299	299	298	298	299
27	298	297	297	298	297	297	297	297	298	297	296	299	299	299	300	300	302	303	302	302	303	301	301	301	299
28	300	298	299	299	298	298	297	296	298	299	296	296	298	301	303	303	306	309	312	311	309	307	310	301	302
29	304	305	304	304	303	304	303	299	296	292	291	293	301	303	303	304	302	303	303	305	303	301	300	292	301
30	297	297	296	296	298	297	299	300	303	298	295	296	301	302	301	301	298	305	304	302	301	299	299	299	299
31	299	299	299	299	299	299	299	298	301	301	298	298	300	300	298	298	298	298	298	298	298	297	297	296	299
Среднее по всем дням	298	297	297	297	297	297	296	294	294	295	296	298	300	301	301	301	301	301	300	300	300	299	298	297	298