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RECORD OF OBSERVATIONS AT VICTORIA MAGNETIC OBSERVATORY FOR 1960

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67054—1

CONTENTS

67054—1½

VICTORIA MAGNETIC OBSERVATORY, 1960

Geographic Latitude	48° 31′ North	Geomagnetic Latitude	54.3° North
Geographic Longitude	123° 25′ West	Geomagnetic Longitude	292.7° East

Introduction

The Victoria magnetic observatory was established in 1957, on the grounds of the Dominion Astrophysical Observatory, Royal Oak, about 10 miles north of Victoria, British Columbia. Information on the site can be found in the publication containing the record of observations for the period 1957–1958 (Caner and Loomer, 1961).

A permanent building for the absolute instruments was completed in September 1961; a proton precession magnetometer built at the Dominion Observatory, Ottawa, was installed at the same time. The constant used to convert precession frequency to field intensity is 4257.60 cps per oersted, based on the internationally adopted provisional value of the gyromagnetic ratio for protons in water. New absolute standards were established, reflecting the change in location as well as the change in the primary field intensity instrument. The data in the present publication have already been corrected to the new standards established in 1961.

The Magnetic Equipment

A permanent variometer building was completed in September 1959, located about 100 feet to the east of the original temporary building; it is an insulated 18′ × 18′ cement block structure, containing two 9′ × 14′ rooms and a 4′ × 18′ light-trap entrance. The floor is a single concrete slab resting on bedrock, providing flexibility in location of instruments as well as an effective heat-sink. Both rooms are electrically heated, with sensitive precision thermostat controls. Non-magnetic construction materials were used throughout. A three-component set of Ruska variometers occupies one of the rooms and constitutes the primary variometer system of the observatory. The Askania stand-by variograph and the detector head for the three-component saturable core recording magnetometer are located in the second room. The control equipment for the electronic magnetometer, as well as other auxiliary variometer equipment (chronometer, power supplies, etc.) remain in the original temporary building, with control cables linking the two buildings.

The remaining observatory equipment during 1960 was unchanged from that described in the preceding publications (Caner and Loomer, 1961; Caner and Perry-Whittingham, 1962).

The adopted scale values for Ruska magnetograms are as following:

D: 0.93 min/mm, or 5.09 ± 0.01γ/mm

H: Jan. 1 to Nov. 15, 2.92 ± 0.01γ/mm
Nov. 16 to Dec. 31, 2.37 ± 0.01γ/mm

Z: Jan. 1 to Mar. 7, 4.60 ± 0.09γ/mm
Mar. 8 to Aug. 31, 3.86 ± 0.02γ/mm
Sept. 1 to Nov. 15, 4.00 ± 0.02γ/mm
Nov. 16 to Dec. 31, 3.73 ± 0.01γ/mm

A major realignment of all component variometers was carried out on November 15. It had been found that the heating system, in conjunction with the concrete slab floor heat-sink, was adequate to maintain constant temperature throughout the year; consequently all temperature-compensating magnets and associated control magnets were removed, to improve linearity at large deflections and to eliminate possible causes of base-line drift.

Absolute Observations and Base-line Values

The procedures used were essentially those described by Caner and Loomer, 1961.

Declination—Least-squares fitting of straight lines to the observed values indicated negligible base-line drift (about 0.1 minutes in two months). A discontinuity occurred on Nov. 15 due to removal of external control magnets. The r.m.s. value of the observed minus adopted base-line values is ±0.6 minutes.

Horizontal Intensity—Discontinuities occurred on June 6 (change in operating temperature) and November 15 (realignment and removal of temperature-compensating magnet). Base-line drift was normally low (1 to 3 gammas per month), but increased to about 2 gammas per week following the suspension adjustment. The r.m.s. value of the observed minus adopted base-line values is ± 3γ.

67054—2

Vertical Intensity—Identifiable discontinuities occurred on March 8 (level adjustment), June 6 (change in operating temperature) and on November 15 (removal of temperature-compensating magnet). There is no evidence of base-line drift between discontinuities; however, fitting of the best step function to the observed values indicates an additional discontinuity of about 20γ on March 31/April 1. It is thought to have been caused by lateral shifting of the moving system on its base, due to violent deflection during a major magnetic storm. Experiments with artificially-induced large deflections confirmed the possibility of discontinuities caused by large deflections. There is also some evidence for similar effects caused by vibration or shock, such as local rock-blasting. The r.m.s. value of the observed minus adopted base-line values is ± 20γ.

Magnetic Reductions, Magnetic Activity and Disturbance Indices

The procedures used in the reduction and tabulation of the data were unchanged from those described by Caner and Loomer, 1961.

Summary of Annual Mean Values

The mean values listed have been corrected to the new (1961) location and standards.

Year	D	H	Z
	° ′	γ	γ
1956.6	23 00.2	18689	53427
1957.75	22 57.1	18705	53408
1958.5	22 55.2	18713	53396
1959.5	22 52.8	18736	53377
1960.5	22 50.3	18748	53362

The rate of change remained stable in two of the components: declination east is decreasing at a rate of about 2.5 minutes per year, and vertical field intensity continues to decrease at the rate of about 17 gammas per year. The increase of horizontal intensity from 1959 to 1960 is 12 gammas; the mean rate of increase over the whole five-year period is 15 gammas per year.

Acknowledgements

The help of Dr. R. M. Petrie, the Dominion Astrophysicist, and of the staff of the Dominion Astrophysical Observatory is greatly appreciated.

References

Caner, B. and Loomer, E. I., 1961, Record of Observations at Victoria Magnetic Observatory—1957–1958. *Dom. Obs. Pub.* Vol. XXIV No. 9.

Caner, B. and Perry-Whittingham, A., 1962, Record of Observations at Victoria Magnetic Observatory for 1959. *Dom. Obs. Pub.* Vol. XXVI No. 8.

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Victoria — H = 18,443γ + — January 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	307	311	313	316	310	304	304	304	304	304	309	313	312	313	311	310	305	294	281	274	275	283	293	303	302
2 Q	310	311	311	311	308	311	308	304	302	305	306	311	318	317	315	317	315	306	286	273	272	279	288	295	303
3	297	301	304	301	300	304	303	306	302	303	310	314	317	317	323	320	317	305	284	273	271	282	291	305	302
4	307	309	305	309	304	305	310	308	312	304	306	313	320	320	319	327	325	315	304	294	290	292	304	311	309
5	315	315	321	305	296	289	292	291	284	281	278	270	260	278	301	303	304	288	275	275	280	286	291	286	290
6	306	301	308	310	310	311	307	307	303	303	302	304	304	305	305	304	307	301	291	276	267	270	277	293	299
7	305	308	311	312	315	314	307	298	302	307	308	312	317	315	316	321	321	308	296	288	281	280	287	296	305
8	309	310	312	309	312	315	314	314	312	312	312	315	318	318	319	322	323	318	307	294	288	288	299	309	310
9 Q	313	315	318	314	315	313	312	312	312	313	315	320	322	323	326	328	323	314	304	298	295	296	303	316	313
10 D	325	328	328	328	336	336	339	321	293	274	251	287	290	273	297	304	258	290	289	274	209	227	258	273	291
11 D	288	288	292	294	296	295	302	289	272	286	292	309	294	287	275	314	320	310	299	291	283	280	292	293	293
12	288	290	300	297	299	303	309	312	303	302	304	306	304	304	302	302	311	308	292	282	280	278	292	303	299
13	303	297	293	293	302	302	299	299	291	291	292	308	309	307	311	318	320	307	291	276	281	286	300	313	300
14 D	326	304	284	301	309	300	292	295	283	233	268	289	320	317	317	313	306	304	293	252	254	245	229	240	286
15 D	256	277	273	249	268	274	274	272	263	277	276	271	286	291	294	283	284	289	278	261	258	258	265	277	273
16	292	296	290	287	289	291	294	295	297	299	300	301	301	302	305	308	304	293	282	271	266	277	273	280	291
17	296	300	294	299	296	287	293	298	301	296	303	313	323	331	327	322	323	315	304	297	298	305	315	322	307
18	322	320	322	322	320	315	314	303	305	260	244	265	308	329	320	310	307	296	286	281	286	290	293	297	301
19	291	290	293	298	300	300	301	302	299	303	306	307	309	304	304	317	317	308	296	292	284	287	298	311	301
20	320	322	326	334	330	310	308	311	307	306	310	296	316	321	323	310	325	336	307	297	295	300	304	314	314
21 D	319	283	280	284	287	293	284	272	287	285	298	247	286	313	304	303	291	251	256	248	266	261	258	253	280
22	278	286	289	291	287	293	286	291	301	288	277	287	311	307	306	306	301	291	284	270	270	270	282	288	289
23	295	298	300	299	292	289	292	298	296	300	302	301	304	293	317	320	322	297	293	271	250	266	261	278	293
24	289	294	282	300	298	297	306	299	296	295	315	309	312	304	308	319	315	304	300	295	284	282	288	292	299
25	295	295	297	303	305	307	309	306	304	306	308	308	316	317	313	320	315	302	297	296	288	288	290	295	303
26	300	308	311	304	308	308	302	311	312	315	314	316	318	316	320	318	318	311	304	287	284	281	289	295	306
27	304	307	306	300	300	314	310	310	311	314	316	317	318	320	321	319	320	312	297	284	282	292	301	302	307
28	309	313	309	310	311	312	313	314	313	317	320	320	319	318	320	320	318	315	305	300	298	303	311	311	312
29	314	320	328	313	307	312	314	316	315	317	318	330	332	337	327	320	317	310	303	299	304	308	308	312	316
30 Q	314	321	322	321	318	318	318	318	318	319	320	323	324	325	325	322	315	302	291	287	290	299	307	314	314
31 Q	315	320	325	326	324	324	322	321	320	322	326	331	333	334	332	327	320	311	300	298	299	306	314	320	320
Mean	304	304	305	304	305	305	304	303	301	298	300	304	310	312	313	314	312	304	293	282	278	282	289	297	301

054—2½

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Victoria — D = 22° 30'.0 + E — January 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	20.6	21.3	21.5	21.7	21.7	23.0	20.9	20.6	19.7	18.9	18.7	21.5	22.2	20.7	23.2	24.3	25.6	26.1	24.5	22.4	20.6	19.7	19.6	19.7	21.6
2 Q	20.5	20.7	21.4	22.4	22.4	24.2	20.6	19.9	19.9	19.7	19.6	19.4	21.0	23.3	23.4	22.9	24.4	25.3	24.2	21.2	20.0	18.8	19.3	19.6	21.4
3	20.2	21.1	22.3	23.3	23.4	22.3	21.9	21.4	21.4	20.1	20.2	20.8	20.6	18.3	23.4	26.1	27.9	26.7	25.3	24.3	21.4	18.9	18.6	18.1	22.0
4	18.7	19.1	19.6	20.5	21.6	22.4	22.1	21.6	20.7	23.1	23.0	24.5	24.2	24.4	24.4	23.5	24.7	25.6	25.3	24.3	21.5	19.8	19.1	19.1	22.2
5	18.5	19.3	17.9	17.7	21.1	23.0	21.8	21.1	23.7	26.3	25.5	29.6	24.6	31.6	24.1	31.3	28.7	27.3	25.5	22.9	20.2	17.9	17.5	16.0	23.1
6	17.5	19.5	19.4	19.3	20.2	21.4	21.3	21.2	21.3	21.2	22.0	22.1	22.0	22.0	22.6	22.0	25.1	26.1	26.4	26.1	24.5	21.0	18.9	18.5	21.7
7	18.8	19.4	20.2	20.4	21.0	20.9	21.1	22.0	22.9	22.1	22.1	21.1	22.3	22.8	22.1	23.3	25.4	27.8	26.4	24.7	22.9	21.0	20.0	18.6	22.1
8	18.1	18.5	18.4	20.2	20.9	21.8	21.4	21.1	21.1	21.1	21.2	21.1	20.4	21.1	21.2	22.0	23.8	25.0	25.5	25.0	23.1	20.4	19.3	18.5	21.3
9 Q	18.5	19.3	19.7	20.9	21.8	21.3	21.8	21.7	21.4	22.0	22.1	21.7	21.4	21.6	22.0	22.3	25.0	26.1	26.3	25.2	22.9	20.2	18.5	18.5	21.8
10 D	19.4	20.2	21.2	21.2	21.3	20.8	20.4	19.4	23.9	28.5	24.7	32.0	30.7	18.5	17.6	22.9	17.9	14.7	21.1	22.8	23.0	17.8	16.0	18.8	21.4
11 D	20.3	19.9	22.6	24.3	20.4	24.6	22.8	22.9	20.4	25.4	25.7	20.3	19.3	22.9	17.8	18.6	18.1	22.9	22.9	22.9	21.7	20.3	19.9	20.1	21.5
12	19.5	20.3	21.1	21.1	21.1	21.0	21.0	16.9	22.6	22.0	22.3	21.2	18.8	21.2	21.8	21.0	22.3	21.8	22.3	22.3	20.2	18.4	18.5	19.9	20.8
13	20.2	21.0	21.3	22.9	21.9	21.1	21.1	21.8	22.0	21.1	20.4	20.4	22.9	23.0	22.9	22.7	22.4	22.8	22.7	19.2	17.0	18.3	17.6	18.5	21.0
14 D	20.4	22.9	24.7	22.0	20.4	20.4	20.5	21.8	26.9	23.6	26.2	30.8	26.1	25.4	24.9	24.6	25.5	25.5	27.0	26.2	16.8	18.5	18.5	20.4	23.3
15 D	23.1	21.7	16.0	24.1	23.8	21.1	20.3	19.1	21.2	21.6	22.9	21.9	20.4	23.5	24.7	23.0	21.7	23.7	23.9	24.3	22.9	21.8	21.5	21.1	22.0
16	23.3	21.2	22.0	22.1	22.9	22.0	21.5	20.8	21.1	21.1	21.2	21.1	20.6	20.5	21.9	22.9	24.5	25.2	25.5	25.5	23.6	20.6	19.1	18.2	22.0
17	20.2	21.2	21.3	22.0	22.1	24.5	22.0	22.5	21.4	20.3	21.1	21.8	21.0	23.9	25.4	22.9	23.6	25.5	26.2	25.2	22.7	20.1	18.5	18.6	22.2
18	19.4	20.2	21.0	21.1	21.7	21.8	21.1	21.2	22.9	36.9	22.9	16.7	26.4	26.2	25.5	24.6	25.5	27.2	24.4	21.0	19.3	16.8	19.0	19.5	22.6
19	20.3	18.6	20.9	22.0	22.7	22.0	22.0	21.1	21.1	16.8	21.2	21.7	22.1	21.0	20.5	22.8	23.6	24.8	23.7	24.5	23.6	21.1	19.3	18.5	21.5
20	18.5	18.7	20.1	19.6	20.4	20.9	22.0	21.5	22.8	21.1	20.7	14.9	27.2	23.7	24.0	24.0	21.1	22.9	23.6	22.9	21.1	19.4	19.5	19.2	21.2
21 D	18.8	16.0	21.3	22.5	22.7	22.1	25.0	26.8	24.6	20.2	21.7	25.0	23.1	23.5	24.5	24.1	22.7	19.4	16.5	21.3	20.1	19.3	18.5	16.8	21.5
22	18.9	19.6	22.1	22.0	24.7	22.9	22.9	22.8	26.3	23.7	21.7	17.8	23.8	22.9	22.6	22.9	23.8	25.5	25.4	23.8	22.0	20.4	18.6	18.6	22.3
23	19.1	20.4	21.1	21.0	22.8	23.6	21.3	21.1	21.2	22.1	22.1	24.7	18.6	15.1	19.7	19.7	22.7	21.6	21.7	22.3	23.0	21.2	20.3	19.9	21.1
24	20.5	20.4	22.8	22.9	22.9	23.1	21.1	19.4	22.9	20.5	21.3	23.6	23.5	19.3	16.1	19.4	21.2	21.2	21.9	22.9	23.7	23.0	21.7	20.3	21.5
25	19.4	20.1	21.1	21.0	21.1	20.8	20.0	20.4	20.7	20.4	21.0	20.7	20.7	19.5	18.5	20.0	22.1	22.3	21.6	21.1	21.4	20.7	20.3	20.3	20.6
26	19.4	19.7	19.8	20.8	22.6	20.4	21.2	20.5	20.4	20.3	22.8	21.7	21.1	19.4	20.4	20.9	22.1	23.0	23.7	23.6	22.0	21.1	20.4	20.2	21.2
27	19.2	20.4	21.2	21.1	21.1	22.1	20.3	20.4	20.5	20.4	18.5	22.0	21.8	21.2	21.1	21.3	23.1	24.7	24.7	23.5	21.7	19.5	19.1	19.5	21.2
28	19.2	20.2	21.1	20.7	21.0	20.4	20.3	20.4	20.3	20.3	21.4	21.4	21.2	19.4	21.2	22.9	22.9	23.6	23.7	22.5	20.7	19.0	18.8	19.5	20.9
29	19.7	20.1	19.2	18.6	19.3	19.7	20.3	20.4	20.3	21.0	22.1	20.0	22.1	25.6	24.6	23.7	23.1	23.5	23.5	22.6	21.1	19.4	19.3	19.5	21.2
30 Q	19.5	20.2	20.4	20.9	21.1	20.9	20.3	20.2	19.7	19.7	20.0	20.3	20.4	21.1	21.6	22.9	25.4	26.1	24.7	22.9	21.1	19.4	19.4	20.0	21.2
31 Q	19.6	19.9	20.2	20.3	20.5	20.3	20.3	20.1	19.7	19.7	20.2	20.9	21.1	21.2	22.0	22.1	22.0	22.1	22.0	21.2	20.4	19.4	19.0	19.4	20.6
Mean	19.6	20.0	20.7	21.3	21.7	21.8	21.3	21.0	21.8	22.0	21.8	22.0	22.3	22.1	22.1	22.8	23.5	24.1	23.9	23.2	21.5	19.8	19.2	19.1	21.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Victoria — Z = 52,967 γ + — January 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	411	410	408	408	406	408	408	405	405	403	402	403	405	403	402	406	410	412	412	411	411	412	411	412	408
2 Q	410	407	408	408	408	407	405	406	405	406	405	405	397	399	405	409	410	405	403	405	405	407	411	411	406
3	411	412	412	412	412	411	409	408	407	409	410	411	408	400	393	395	397	400	402	405	403	405	408	412	406
4	410	410	411	414	414	414	415	414	413	415	422	418	414	413	412	414	415	413	410	410	410	409	408	407	413
5	406	406	410	415	429	433	427	422	406	391	380	360	338	324	371	390	403	404	405	409	410	411	410	410	399
6	414	415	420	424	425	420	414	411	410	411	411	412	411	411	411	412	412	413	414	414	414	412	412	411	414
7	411	412	414	414	412	412	412	411	412	412	410	401	400	407	410	412	415	412	411	410	405	402	404	406	410
8	409	409	410	412	413	412	410	407	405	405	405	405	404	405	406	409	411	410	409	405	401	398	402	403	407
9 Q	406	408	410	410	408	408	407	406	405	405	403	403	403	404	404	406	409	410	408	407	403	401	400	402	406
10 D	405	404	405	405	405	404	405	406	422	396	315	340	343	340	330	357	366	371	384	391	387	411	414	415	384
11 D	415	416	417	423	420	420	413	411	374	355	367	356	357	333	335	370	380	388	389	395	397	401	405	405	389
12	404	406	410	410	411	411	408	399	401	406	405	400	389	383	391	397	405	403	403	406	404	402	407	409	403
13	411	409	410	411	413	410	409	406	405	403	403	393	395	398	399	400	400	402	405	405	410	411	413	410	406
14 D	408	409	430	432	432	428	422	420	388	340	331	332	362	388	399	403	403	402	398	394	395	398	406	435	398
15 D	439	464	514	521	475	443	434	429	425	428	427	418	405	410	416	412	409	409	411	416	420	424	425	425	433
16	423	420	418	418	418	417	417	418	416	416	415	414	412	410	411	414	414	416	417	416	414	413	410	414	416
17	419	418	417	417	416	416	415	411	405	405	408	412	412	403	401	405	404	406	405	406	406	405	404	403	409
18	402	403	404	403	402	401	402	405	382	374	348	336	326	376	393	399	405	401	398	399	402	408	411	412	391
19	414	414	416	416	413	411	410	409	409	402	401	407	407	405	405	405	399	395	400	406	404	404	405	405	407
20	404	404	405	407	404	403	407	410	411	410	398	361	384	401	402	397	382	382	386	395	400	405	408	406	399
21 D	406	404	435	436	435	427	419	414	399	385	368	295	278	368	385	400	396	387	390	396	401	410	417	420	395
22	427	426	426	426	414	420	418	414	396	385	359	382	397	396	404	405	408	408	411	413	416	412	411	412	408
23	415	415	415	416	416	418	418	416	406	408	404	402	393	402	390	391	403	405	408	407	410	412	411	418	408
24	420	418	418	421	419	417	413	405	405	402	392	391	398	392	396	402	405	408	409	410	410	406	405	406	407
25	407	407	408	409	410	409	404	405	402	400	396	398	401	401	398	401	406	403	402	399	397	394	397	399	402
26	402	405	406	406	408	407	406	408	404	396	395	400	400	398	400	404	407	404	398	394	395	391	395	396	401
27	401	404	405	406	410	412	408	406	405	400	388	392	398	400	402	404	406	405	400	398	398	397	398	399	402
28	402	404	403	404	406	405	406	406	405	403	402	401	399	397	398	401	402	402	399	398	396	396	398	397	401
29	399	399	400	399	405	408	411	410	408	405	402	380	376	382	386	394	396	395	394	394	396	396	396	395	397
30 Q	392	395	394	395	395	395	396	397	397	396	396	395	396	396	396	397	399	398	395	395	397	399	399	398	396
31 Q	396	395	395	395	395	395	395	395	395	395	396	395	395	394	394	396	394	388	388	388	391	393	393	394	394
Mean	410	411	415	416	414	413	411	409	404	399	392	388	387	392	395	400	402	402	402	403	404	405	406	408	404

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 4 Victoria $H = 18,443\ \gamma +$ February 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	324	324	324	321	314	312	311	307	301	310	306	297	306	323	324	316	310	306	301	300	303	306	309	314	311
2	316	316	322	320	316	323	324	320	320	319	323	326	328	327	326	322	310	304	275	283	288	286	276	284	311
3	291	292	299	301	300	303	304	305	305	303	302	302	301	312	307	293	298	298	296	275	266	268	274	274	294
4	287	295	292	302	304	281	302	297	291	280	289	308	307	309	309	306	296	273	256	269	266	266	280	291	290
5	290	297	301	303	303	304	307	313	309	316	309	292	313	317	312	294	303	305	287	277	287	284	277	277	299
6	291	294	283	298	282	281	292	285	279	292	297	298	305	308	308	307	307	301	289	277	269	271	287	300	292
7 Q	300	304	308	302	297	302	303	301	306	313	315	315	315	317	318	317	314	314	310	298	288	288	299	304	306
8	311	315	319	319	322	320	314	312	304	307	311	311	309	325	327	321	301	300	300	290	284	289	298	310	309
9 Q	309	308	306	312	315	315	316	317	318	320	321	325	330	331	328	327	325	318	307	292	287	294	304	313	314
10 Q	321	324	324	316	311	308	309	312	317	319	327	330	327	330	332	329	326	318	308	299	296	301	309	314	317
11	316	319	321	319	321	320	321	322	323	329	329	327	331	330	329	326	324	301	305	301	284	288	299	306	316
12	297	295	303	311	313	311	307	304	303	303	309	312	317	318	317	316	314	308	300	291	289	293	301	310	306
13	317	324	328	329	329	328	325	322	322	324	322	328	334	333	334	330	328	322	315	286	263	254	246	260	313
14 D	279	275	271	261	273	265	297	285	289	296	297	309	315	308	317	327	322	308	289	275	244	269	279	284	289
15	292	292	299	304	304	303	304	304	307	309	309	311	314	308	301	317	308	281	292	301	293	291	295	299	302
16 D	304	307	302	304	307	308	309	309	311	322	325	315	316	321	306	307	324	315	305	294	291	284	291	295	307
17 D	309	318	317	313	315	310	320	297	295	310	303	311	313	314	325	318	312	289	294	302	293	283	296	312	307
18 D	297	291	266	265	265	266	269	290	294	299	300	296	306	316	320	322	308	312	278	279	286	283	286	294	291
19	299	307	308	310	312	307	301	306	299	296	313	314	314	327	327	307	309	295	261	238	258	257	263	279	296
20	280	279	281	288	283	292	298	294	297	305	304	309	305	307	312	323	311	315	306	287	281	289	290	290	297
21 D	303	305	307	304	298	301	311	301	305	303	302	307	313	307	305	316	298	293	289	275	269	279	291	304	299
22	310	315	313	314	312	312	307	324	317	319	317	315	315	325	325	321	315	308	299	287	271	282	297	303	309
23	304	309	314	315	312	311	314	312	317	319	317	319	322	323	328	325	305	295	309	293	281	283	299	310	310
24 Q	316	317	316	312	305	311	309	312	315	318	319	320	322	321	321	321	311	298	281	271	269	279	294	305	307
25 Q	309	312	315	316	317	318	318	327	329	325	327	329	331	330	331	331	326	312	299	292	294	295	301	308	316
26	313	319	321	323	323	322	321	321	323	325	333	338	341	341	342	341	345	331	312	297	290	293	302	305	322
27	307	312	304	290	294	296	286	298	310	310	311	331	334	331	330	332	311	291	281	284	290	291	303	299	305
28	308	313	319	327	323	317	311	320	326	330	327	323	325	325	328	328	323	312	300	289	285	287	292	307	314
29	309	304	313	325	325	310	293	302	313	319	331	323	321	326	323	322	324	313	304	297	284	277	289	299	310
30																									
31																									
Mean	304	306	307	308	307	305	307	308	308	311	314	315	318	321	321	319	314	305	295	286	281	283	291	298	306

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 5 Victoria — D = 22° 30'.0 + E — February 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	19.5	20.2	20.3	20.5	21.1	20.2	19.4	20.1	20.3	23.7	29.9	29.8	28.1	24.8	23.6	24.5	23.7	22.9	21.3	20.2	18.9	17.8	18.5	19.1	22.0
2	19.4	19.4	19.5	19.7	21.3	21.0	19.6	19.5	20.2	20.5	21.7	23.2	24.7	25.5	27.6	26.3	28.8	22.9	23.2	14.1	15.9	17.8	18.5	18.7	21.2
3	19.4	19.4	19.4	19.2	19.4	19.7	20.3	20.5	22.0	21.6	22.9	24.6	22.0	22.9	26.1	26.1	22.9	23.3	21.0	22.0	20.3	19.4	16.9	16.9	21.2
4	17.1	17.7	19.5	21.1	19.5	21.5	21.2	21.1	24.6	24.9	24.7	21.5	22.3	22.9	22.1	24.2	26.5	28.1	25.7	22.0	18.7	18.4	18.6	19.4	21.8
5	19.5	20.3	20.2	20.4	20.6	21.2	21.1	23.7	22.8	20.3	21.3	14.4	35.4	30.7	29.5	25.9	19.0	23.2	22.9	21.0	19.3	18.4	17.8	16.8	21.9
6	16.5	16.7	19.4	17.4	15.1	20.3	21.5	21.7	27.3	25.3	23.7	22.9	22.1	23.7	25.0	25.3	25.0	23.8	23.7	23.5	21.0	19.4	18.5	18.5	21.6
7 Q	17.8	19.2	20.3	20.5	22.0	22.6	21.7	21.8	20.8	19.5	20.8	20.9	20.3	20.9	21.5	22.5	22.9	23.5	23.0	21.4	20.1	19.7	19.5	19.8	21.0
8	19.3	19.4	19.8	20.3	20.2	20.3	22.0	22.8	21.0	22.9	22.9	21.0	18.4	23.1	23.7	24.0	23.7	21.1	19.9	20.0	20.4	20.2	19.4	19.3	21.0
9 Q	18.1	18.4	20.1	19.9	20.3	20.2	20.3	20.3	20.4	20.5	21.0	21.1	21.7	22.0	22.2	22.9	24.6	25.4	24.9	23.5	21.8	20.4	19.3	19.3	21.2
10 Q	19.1	19.5	20.1	20.0	20.4	20.7	19.3	19.8	20.0	20.4	20.4	22.9	22.1	21.0	21.0	22.9	23.7	23.8	23.6	22.3	20.5	19.4	18.8	19.2	20.9
11	19.4	19.5	20.3	20.4	20.3	20.3	20.1	19.8	19.4	20.2	20.4	20.3	21.2	22.0	21.9	21.4	21.7	21.3	15.3	16.5	15.9	14.5	17.7	18.5	19.5
12	18.9	20.2	20.9	21.1	21.2	21.0	21.1	21.1	21.1	23.6	22.9	22.0	22.9	23.0	22.9	24.2	25.1	25.5	24.7	22.9	21.2	20.1	19.4	19.3	21.9
13	19.0	19.5	20.3	20.4	20.4	20.4	20.2	20.3	20.4	23.0	23.2	21.2	21.1	21.3	22.0	22.9	23.1	22.9	22.8	21.1	17.7	18.4	16.8	16.8	20.6
14 D	17.6	19.4	20.0	21.1	20.3	24.7	16.9	23.7	22.9	22.9	22.4	23.4	25.5	23.7	14.2	22.2	24.6	26.1	25.5	24.2	19.5	17.7	17.4	17.7	21.4
15	19.1	20.3	21.1	21.7	21.2	21.0	20.5	21.1	21.0	21.1	21.1	21.2	21.2	18.9	14.2	18.4	23.7	20.4	18.4	18.5	19.5	19.9	20.3	19.7	20.1
16 D	19.0	18.5	18.5	19.8	19.7	19.5	19.4	19.4	20.5	21.4	23.6	24.9	22.0	21.9	17.5	14.2	24.6	24.3	23.6	22.0	19.5	18.6	17.6	16.8	20.3
17 D	17.6	18.5	19.4	21.7	25.5	21.3	25.6	26.7	25.2	21.5	22.1	20.5	18.5	20.7	22.9	21.7	25.4	28.9	21.1	19.5	20.2	18.5	15.5	14.0	21.4
18 D	16.4	18.1	18.1	22.9	24.6	26.1	28.1	23.2	22.9	25.8	22.9	20.1	16.8	17.8	21.4	20.2	17.1	22.0	18.1	15.8	21.2	21.0	20.2	18.5	20.8
19	19.3	19.8	20.4	20.4	20.4	20.5	21.1	25.6	22.9	16.2	21.7	19.8	20.1	21.0	23.6	20.3	23.4	23.6	25.5	19.5	16.7	16.7	16.8	16.8	20.5
20	17.0	20.3	18.2	20.5	23.7	22.3	24.6	23.4	23.7	25.4	23.7	21.1	17.0	18.5	20.4	21.1	22.0	22.6	24.5	23.0	21.8	19.4	19.5	19.4	21.4
21 D	19.5	19.8	23.7	21.7	20.5	21.1	22.1	22.1	22.0	23.6	15.9	21.0	24.6	20.3	15.6	20.4	22.0	24.6	23.8	23.5	22.0	20.4	19.4	19.1	21.2
22	19.0	19.4	20.3	21.0	20.5	21.0	22.9	23.7	21.0	21.3	22.6	19.1	18.7	20.2	22.0	22.2	22.9	25.5	25.2	24.2	21.2	20.0	19.4	19.1	21.4
23	19.1	19.4	19.5	20.1	20.2	26.1	21.7	20.4	21.0	22.9	22.0	20.5	20.2	18.5	19.5	21.9	21.5	19.8	21.0	21.1	20.4	19.4	18.7	18.1	20.5
24 Q	18.5	19.4	20.3	20.2	22.0	21.5	20.5	21.0	20.4	20.4	20.6	21.1	21.1	21.1	21.1	22.0	24.3	24.9	24.7	22.8	20.6	19.0	18.5	18.5	21.0
25 Q	19.1	19.4	19.5	20.1	20.1	20.3	20.5	21.2	20.3	21.1	21.0	20.9	21.1	21.1	22.0	22.7	25.3	26.3	25.6	23.5	21.1	19.5	19.4	19.4	21.3
26	19.4	19.5	19.6	19.7	19.7	20.2	20.1	20.0	21.0	20.4	20.4	21.2	21.2	22.0	22.0	20.4	24.6	25.5	25.5	23.6	21.0	18.4	16.7	16.9	20.8
27	18.3	17.4	16.0	18.6	22.9	17.7	19.5	18.6	20.2	20.3	22.1	22.6	26.2	25.4	21.7	23.7	25.5	26.1	20.9	18.7	17.8	16.8	16.9	18.5	20.5
28	19.4	19.5	19.8	20.2	19.4	19.5	21.4	20.1	19.0	18.5	20.1	22.1	22.0	22.0	22.1	24.0	16.9	27.3	26.2	23.7	21.0	18.6	17.7	15.9	20.7
29	17.8	18.3	21.7	20.3	18.9	19.4	22.0	19.4	20.2	23.6	23.7	26.4	24.2	22.3	22.4	21.1	23.8	26.1	23.8	23.5	20.2	17.9	16.4	17.4	21.3
30																									
31																									
Mean	18.6	19.2	19.9	20.4	20.7	21.1	21.2	21.4	21.5	21.8	22.1	21.8	22.2	22.0	21.8	22.4	23.4	24.2	22.9	21.3	19.8	18.8	18.3	18.2	21.0

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 6 Victoria — Z = 52,967 γ + — February 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	394	392	391	392	392	394	396	398	398	390	384	388	388	380	384	394	396	395	393	388	387	387	390	392	391
2	395	395	395	395	396	397	397	397	398	398	400	397	396	385	391	394	394	384	376	383	394	404	404	408	395
3	404	404	408	411	411	412	413	411	412	407	407	408	394	385	396	391	391	383	384	390	404	408	413	415	403
4	416	418	417	416	416	420	421	420	415	418	418	409	403	406	410	412	412	408	399	404	403	408	412	412	412
5	408	408	407	407	408	409	410	410	402	403	394	316	310	354	370	372	372	378	375	378	391	396	398	398	386
6	405	408	415	418	431	442	445	437	431	428	422	414	395	394	398	404	401	400	395	389	394	398	402	403	411
7 Q	405	405	407	408	411	410	408	406	405	395	399	402	401	401	403	402	404	406	401	393	390	392	395	396	402
8	396	398	399	399	400	400	401	405	404	407	401	388	362	385	395	395	397	396	390	385	388	394	396	398	395
9 Q	400	401	402	404	402	402	400	400	400	400	399	399	398	398	398	400	403	403	396	393	390	390	391	390	398
10 Q	390	392	394	393	394	396	399	400	399	396	393	386	383	388	389	391	394	396	394	392	392	394	394	392	393
11	390	393	393	392	393	393	394	394	393	392	390	391	388	388	390	393	396	394	388	382	392	388	392	396	392
12	398	399	400	400	402	400	400	400	398	396	397	398	397	397	398	401	402	401	397	392	393	392	390	390	397
13	390	390	392	392	392	392	391	392	392	390	386	388	389	390	390	390	392	393	390	382	382	388	394	410	391
14 D	427	420	424	426	432	440	408	406	412	405	395	352	358	359	350	360	378	384	382	382	386	402	404	404	396
15	404	406	406	404	404	405	405	406	405	403	402	401	399	390	362	350	368	372	377	378	382	388	394	394	392
16 D	397	397	398	398	402	404	405	406	408	408	405	400	398	396	370	315	354	375	380	382	386	392	397	400	390
17 D	402	404	406	410	408	406	405	403	422	424	414	400	386	389	392	400	400	396	395	392	395	396	400	406	402
18 D	408	416	428	442	442	440	418	412	410	386	390	394	386	380	392	397	395	397	396	395	399	400	406	408	406
19	406	405	404	403	404	404	406	412	408	391	386	386	380	390	392	390	390	391	389	395	402	404	412	412	398
20	424	442	444	438	437	430	423	418	410	392	398	397	391	388	394	398	398	401	396	394	398	402	404	404	409
21 D	408	410	412	412	412	412	395	384	402	401	370	348	373	384	384	388	393	402	402	398	397	399	400	403	395
22	405	406	403	402	402	402	402	400	394	393	394	392	386	391	395	400	402	400	395	400	390	398	398	394	398
23	396	398	400	400	400	405	400	400	398	396	396	395	394	390	392	394	396	400	404	399	396	397	400	397	398
24 Q	398	399	399	399	400	401	400	400	398	398	397	398	398	398	399	402	405	402	396	391	388	388	392	396	398
25 Q	396	397	398	398	399	399	400	398	392	390	393	394	394	393	395	399	405	403	395	388	386	388	390	390	395
26	394	395	396	397	397	398	398	399	398	398	398	396	394	394	396	398	398	391	388	384	382	381	385	388	394
27	395	399	402	414	431	422	426	422	419	412	404	390	382	390	396	398	394	392	388	386	386	388	392	392	401
28	395	395	397	398	396	396	400	401	388	382	384	390	395	394	395	397	398	398	396	392	391	392	392	394	394
29	396	396	402	402	400	402	407	414	413	409	395	390	398	398	395	391	394	394	392	388	388	388	394	398	398
30																									
31																									
Mean	402	403	405	406	407	408	406	405	404	400	397	390	387	389	390	390	394	394	391	390	392	395	398	399	398

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Victoria — H = 18,443 γ + — March 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	309	312	304	303	313	307	312	313	301	309	311	323	322	329	325	319	308	304	299	279	255	276	281	288	304
2 D	291	296	288	311	309	299	296	304	319	309	311	309	301	320	320	315	311	305	281	291	284	282	274	284	300
3 D	295	300	307	308	299	301	312	315	303	301	312	308	304	306	321	313	307	292	276	289	283	284	287	283	300
4	296	305	312	312	308	309	312	314	316	316	318	314	316	312	284	301	309	301	309	300	280	275	259	275	302
5	293	297	303	307	305	301	303	315	301	313	320	319	328	320	316	325	324	319	313	299	291	291	291	294	308
6	304	306	313	313	301	324	314	317	323	323	327	330	329	326	323	327	325	321	303	278	265	281	293	294	311
7 Q	301	307	314	317	317	318	318	321	324	325	326	328	332	332	329	329	327	315	297	289	289	293	301	308	315
8	319	324	327	328	327	321	331	305	317	317	314	325	333	327	332	326	325	316	307	299	298	299	298	308	318
9	319	323	321	311	312	313	307	317	324	327	329	334	332	335	336	331	334	329	322	313	306	305	309	316	321
10	318	321	322	322	320	321	318	317	329	309	304	321	323	323	323	313	302	308	299	291	305	304	309	312	314
11 D	316	307	309	313	305	307	311	305	334	315	303	260	298	319	322	324	310	278	288	298	294	289	291	294	304
12	295	299	303	304	305	306	300	299	305	302	310	319	318	311	319	314	304	294	288	282	282	286	287	294	301
13 Q	300	304	311	313	310	310	309	308	314	317	320	320	320	319	318	317	308	303	291	279	278	283	287	302	306
14	312	319	320	318	321	321	319	317	324	334	332	329	330	331	333	345	339	331	319	309	305	303	311	324	323
15	324	328	332	330	328	327	330	331	328	326	328	330	332	331	326	316	317	287	255	278	288	267	299	297	314
16 D	274	301	316	329	266	331	307	252	270	280	285	291	293	298	307	307	298	277	257	277	285	289	275	281	289
17	293	285	293	278	285	297	299	309	321	305	311	306	309	313	314	307	309	303	293	272	259	269	280	290	296
18	296	300	303	308	297	308	316	307	313	317	322	321	317	317	317	315	311	301	293	285	283	284	293	295	305
19	309	315	316	318	320	320	322	322	330	325	316	316	324	321	320	329	335	325	311	297	287	285	291	297	315
20 Q	307	314	314	315	310	309	319	321	325	327	330	328	330	330	329	328	329	319	308	298	292	289	293	299	315
21	310	316	318	321	318	316	309	315	314	321	326	328	315	305	324	323	321	311	297	292	289	292	298	304	312
22 Q	311	316	319	322	318	319	321	332	324	327	326	327	325	321	329	332	329	320	307	298	295	293	295	302	317
23 Q	310	319	320	321	321	331	327	327	333	335	337	336	335	334	333	335	335	329	314	301	294	298	297	301	322
24	314	313	315	313	313	323	321	319	319	335	339	337	333	333	337	329	325	327	323	305	303	306	303	293	320
25	300	308	312	315	315	317	321	325	327	328	329	329	328	331	327	323	318	310	295	293	289	289	301	302	314
26	298	309	317	319	321	323	324	323	327	323	331	333	334	331	327	327	325	315	301	297	295	296	301	313	317
27	323	323	325	332	317	323	322	327	333	329	335	333	337	336	335	331	327	317	305	295	293	295	299	306	321
28	316	324	330	324	327	332	325	337	327	330	310	315	335	335	333	319	300	323	305	297	282	281	305	295	317
29	313	306	292	293	300	304	309	340	296	309	318	330	325	324	323	322	316	302	285	280	287	283	301	301	307
30	299	305	313	321	322	315	314	318	324	329	335	331	324	327	323	311	289	299	271	267	264	269	266	289	305
31 D	294	283	293	293	301	289	291	287	283	307	301	160	256	318	317	297	139	180	187	263	283	256	304	325	271
Mean	305	309	312	314	311	314	314	315	317	318	320	316	321	323	323	321	312	305	294	290	286	287	293	299	309

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 8 Victoria — D = 22° 30'.0 + E — March 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	17.8	16.7	15.9	18.5	19.3	19.5	21.5	21.5	21.7	26.2	22.0	23.1	25.0	22.9	24.2	25.7	25.5	23.7	25.5	22.0	16.8	15.0	16.8	16.9	21.0
2 D	16.8	15.9	17.1	18.6	19.2	21.1	21.2	22.1	21.2	24.4	23.5	22.9	18.5	24.6	23.8	26.0	26.3	27.1	24.6	18.9	17.8	17.7	17.7	18.5	21.1
3 D	15.8	16.9	16.8	15.9	20.5	20.3	18.9	22.0	23.7	25.2	24.6	24.6	17.7	19.4	21.0	22.7	25.5	27.3	21.2	20.2	18.5	18.0	18.2	19.2	20.6
4	17.7	17.2	18.0	19.3	20.0	20.0	20.6	20.3	21.7	22.0	21.5	22.9	20.3	23.5	19.3	15.9	22.0	22.3	22.6	22.6	22.1	20.3	19.0	17.6	20.4
5	16.2	16.8	16.9	17.8	18.5	18.4	19.3	26.5	25.2	23.1	22.1	23.5	24.7	25.9	23.4	23.8	26.3	26.3	24.2	21.6	20.3	19.2	18.8	16.8	21.5
6	16.6	17.7	18.3	20.3	24.5	24.6	20.2	20.3	21.1	19.4	15.1	21.7	21.9	21.1	19.4	21.6	24.0	24.5	25.9	23.1	19.4	19.3	17.7	17.4	20.6
7 Q	17.8	18.5	19.2	19.6	19.9	19.8	19.7	20.3	20.6	21.1	21.1	20.9	21.1	21.0	21.1	21.4	23.7	25.5	25.5	23.8	22.0	20.2	18.5	18.1	20.8
8	17.8	17.8	18.4	19.1	19.0	20.3	32.7	26.3	20.3	22.3	23.7	21.1	24.6	25.4	25.9	25.7	24.6	23.0	22.3	21.7	20.3	18.6	18.5	18.6	22.0
9	18.5	18.6	19.4	19.6	19.4	19.4	22.0	21.1	19.8	20.1	23.8	22.6	22.9	20.3	21.1	20.8	23.9	24.6	23.8	22.4	20.3	19.4	19.7	20.1	21.0
10	20.0	19.6	19.4	19.5	19.4	19.5	21.0	21.0	30.1	31.0	26.3	22.1	21.4	20.0	22.9	22.6	19.1	21.3	18.5	15.9	16.0	17.7	19.4	20.2	21.0
11 D	20.3	20.3	19.6	19.8	22.9	28.5	22.3	21.7	21.2	21.5	23.3	15.4	22.4	26.1	23.4	25.0	24.1	19.2	17.2	20.1	21.1	21.6	21.1	20.8	21.6
12	20.2	19.8	19.7	19.7	19.4	19.8	20.7	22.4	22.3	19.2	18.1	20.7	21.6	19.0	21.1	21.7	22.5	23.3	23.3	22.0	19.9	18.8	17.8	17.6	20.4
13 Q	17.3	18.5	19.4	19.3	19.5	19.7	19.7	19.6	19.8	19.8	20.3	20.6	20.8	21.1	22.5	23.3	24.2	24.5	24.6	22.3	19.8	18.4	18.3	17.6	20.4
14	18.1	18.2	18.6	21.0	21.1	20.3	20.1	21.0	20.2	15.9	22.9	21.6	21.7	21.9	22.8	24.4	25.5	26.1	24.7	22.0	19.3	17.7	16.9	16.0	20.8
15	17.8	18.1	18.5	19.0	19.4	19.6	19.5	19.5	19.8	20.4	21.3	22.2	22.3	22.5	22.7	25.7	26.7	26.9	19.2	16.5	15.9	16.8	13.8	13.8	19.9
16 D	12.5	8.0	9.0	1.4	17.1	14.0	28.1	29.0	35.4	25.6	22.9	18.5	19.4	20.1	23.7	25.5	25.3	23.8	20.3	15.7	15.1	15.9	18.1	18.7	19.3
17	20.3	21.1	21.6	22.6	22.0	20.5	24.4	27.8	15.0	21.1	22.9	22.8	20.3	20.1	22.9	23.8	24.3	27.0	23.6	23.5	19.4	17.5	17.6	17.7	21.7
18	19.0	19.4	19.5	19.6	21.2	29.1	30.7	20.7	21.3	17.8	20.4	19.4	20.4	21.9	22.9	23.8	25.5	26.7	26.1	23.5	21.1	19.3	17.5	17.3	21.8
19	18.2	18.5	18.5	18.7	19.4	19.4	19.5	20.0	21.0	25.5	22.9	24.6	24.4	21.9	18.5	20.4	22.4	24.4	24.7	23.6	20.3	19.3	17.4	16.6	20.8
20 Q	17.1	17.8	18.5	19.4	20.3	21.2	19.4	19.4	19.4	20.1	21.2	20.8	20.2	20.3	21.0	23.7	25.5	26.3	25.7	23.7	19.5	17.4	17.2	17.7	20.5
21	18.2	18.6	19.4	19.9	19.9	20.3	20.3	20.1	19.4	22.2	21.4	21.2	20.3	11.7	22.0	24.7	26.4	26.4	25.5	22.1	19.4	18.3	17.7	17.6	20.5
22 Q	17.6	18.5	19.4	19.5	20.0	20.0	20.3	20.5	21.1	20.3	20.9	20.7	19.4	15.9	19.4	22.9	25.4	26.3	25.4	23.5	21.2	19.6	17.7	16.7	20.5
23 Q	16.8	17.7	18.5	19.3	21.2	22.0	19.7	20.3	20.3	21.1	21.1	21.7	21.2	20.7	21.1	22.9	26.3	27.5	28.1	26.1	23.6	19.4	16.7	15.1	21.2
24	15.0	16.0	19.3	19.4	19.5	19.3	19.5	22.2	22.2	20.0	21.9	22.8	21.9	22.0	23.0	24.6	21.1	23.8	24.2	21.1	17.7	17.0	16.5	18.3	20.3
25	18.5	18.8	19.3	19.4	19.4	19.4	21.1	19.9	20.3	21.2	21.2	21.1	20.3	21.1	22.9	23.9	26.1	27.2	26.2	21.1	18.5	16.9	16.3	15.9	20.7
26	16.9	18.2	19.1	19.3	19.4	19.4	19.5	20.2	23.3	20.4	21.9	20.4	21.1	21.1	22.7	24.0	26.4	28.2	27.6	22.6	18.5	15.6	15.3	15.7	20.7
27	16.0	16.8	18.1	18.5	22.3	21.2	18.6	20.3	22.9	18.5	23.7	23.7	23.8	22.9	22.8	23.7	25.5	27.2	27.7	25.5	21.2	17.7	15.2	15.1	21.2
28	16.6	17.6	18.6	19.5	19.4	19.4	20.4	20.7	22.9	28.7	27.1	31.5	23.6	21.7	26.2	29.8	25.4	22.9	25.4	21.1	16.7	14.4	13.3	14.2	21.6
29	12.7	16.6	15.3	18.2	24.8	21.2	20.4	22.0	26.3	23.7	18.6	20.7	21.2	22.1	23.5	25.4	27.3	28.8	27.1	24.3	21.1	17.7	15.0	12.6	21.1
30	13.8	13.3	16.5	19.0	18.8	19.3	19.7	20.1	21.0	22.7	23.5	20.4	21.6	21.3	23.1	28.1	26.7	25.5	26.3	26.4	15.9	13.4	12.4	9.8	19.9
31 D	11.4	12.6	14.2	18.2	16.7	18.6	22.1	24.5	29.8	28.1	17.2	16.6	42.2	34.2	34.0	39.4	36.7	14.3	40.2	24.6	17.4	13.2	7.4	14.2	22.8
Mean	17.1	17.4	18.1	18.7	20.1	20.5	21.4	21.7	22.3	22.2	21.9	21.7	22.2	21.7	22.7	24.3	25.2	24.9	24.8	22.0	19.2	17.8	16.9	16.8	20.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Victoria — Z = 52,967 γ + — March 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	401	402	404	410	411	414	417	414	412	409	401	389	390	398	400	402	398	392	385	379	379	389	394	395	399
2 D	400	408	415	417	417	422	427	424	396	380	400	402	369	374	392	400	398	395	389	390	388	394	396	401	400
3 D	406	410	413	417	420	423	425	402	404	407	391	400	386	366	366	366	379	384	384	388	390	392	397	398	396
4	406	408	408	408	408	408	410	408	408	406	404	400	390	370	366	355	364	368	370	376	378	385	390	397	391
5	404	404	407	410	413	418	426	420	416	416	411	406	400	394	400	404	402	394	482	378	386	391	396	397	403
6	402	404	412	412	414	416	407	406	402	382	369	380	392	395	396	398	400	396	388	384	384	390	392	394	396
7 Q	398	399	401	401	400	400	400	400	399	399	398	398	397	397	396	396	397	392	384	388	388	382	384	388	394
8	395	391	393	393	391	393	388	385	395	396	386	349	340	352	367	374	387	389	383	381	384	387	389	391	382
9	382	393	394	393	395	397	400	402	397	393	383	389	388	387	390	387	391	390	385	381	377	382	382	384	390
10	384	389	391	391	393	393	395	395	380	337	363	387	386	388	393	393	387	381	375	371	372	379	385	387	383
11 D	395	395	399	401	403	406	401	401	389	373	383	301	335	377	397	401	396	385	387	391	391	395	398	400	388
12	397	399	399	399	399	399	399	403	399	392	389	389	390	390	393	393	393	392	391	388	386	389	388	389	394
13 Q	392	396	398	398	395	394	398	395	399	397	396	395	393	393	393	393	394	392	386	384	387	390	390	391	393
14	392	397	397	397	397	395	396	397	397	377	368	385	390	392	393	395	393	385	377	373	375	377	381	382	388
15	397	399	399	399	399	399	399	403	399	392	389	389	390	390	393	393	393	392	391	388	386	389	388	389	394
16 D	417	437	542	662	625	653	603	477	363	373	403	414	408	410	417	419	411	401	393	402	401	405	413	417	453
17	421	421	420	423	425	421	421	403	363	366	383	385	387	393	397	405	399	399	399	397	397	405	408	410	402
18	412	412	411	411	414	413	403	405	402	396	397	397	396	401	403	405	404	402	397	393	391	396	401	405	403
19	407	405	405	404	403	402	402	403	402	389	387	382	382	382	384	382	391	394	391	389	389	391	393	397	394
20 Q	401	405	403	403	402	405	405	403	402	401	399	399	400	400	401	403	405	405	399	389	387	389	389	393	400
21	400	401	400	401	399	399	399	395	383	391	398	399	392	365	373	391	397	392	383	373	374	379	383	388	390
22 Q	395	399	400	400	399	399	398	393	391	393	395	396	395	385	385	397	399	395	387	383	387	390	387	389	393
23 Q	396	398	399	399	398	396	393	394	393	389	383	382	387	391	392	395	397	395	391	387	385	383	380	384	391
24	391	390	413	412	412	406	402	403	401	385	376	385	391	393	396	400	397	388	377	370	375	380	381	385	392
25	393	398	399	399	399	399	399	399	397	394	393	392	391	390	394	397	396	391	379	371	365	372	383	391	391
26	397	399	401	401	399	398	397	398	395	387	387	392	392	391	391	393	395	391	381	372	369	372	380	385	390
27	395	395	395	396	397	399	399	401	397	387	381	385	387	389	392	395	397	395	390	385	379	378	381	385	391
28	390	395	395	395	395	397	397	393	391	383	355	355	383	391	393	394	387	370	365	367	375	391	400	407	386
29	419	431	422	427	433	418	415	498	372	401	393	389	395	398	399	403	401	397	389	387	382	375	379	387	400
30	400	407	406	403	401	403	403	403	401	396	383	391	390	393	391	389	383	371	361	359	359	376	390	403	390
31 D	413	422	431	435	437	450	457	445	409	376	354	110	202	325	379	391	321	256	304	365	395	383	487	553	379
Mean	397	404	409	413	413	414	412	409	395	389	387	378	381	386	391	394	392	386	382	382	383	386	393	399	395

57054—4½

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 10 Victoria H = 18,443 γ + April 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	414*	297	300	344*	308	211	259	305	298	291	317	222	-78*	-341*	-366*	-286*	-96*	-336*	24*	194	34	193	252	219	124
2	271	263	216	212	223	207	193	193	141	130	204	197	245	287	287	280	276	264	245	242	245	257	270	296	235
3 D	310	342	279	301	300	257	260	212	246	282	289	281	279	279	285	287	284	281	271	276	275	266	263	265	278
4	271	273	282	282	273	280	281	289	288	290	292	293	289	296	295	291	281	257	255	259	242	217	243	268	274
5	295	291	296	313	291	279	295	309	301	295	298	303	300	306	287	221	258	274	275	264	265	261	269	278	284
6	287	293	296	296	299	291	288	295	304	305	309	313	305	305	314	313	302	302	291	278	263	243	256	287	293
7	294	293	299	293	287	294	307	310	309	309	311	311	311	307	299	301	304	243	206	244	273	264	270	284	288
8	293	293	289	275	285	293	289	286	292	277	291	297	302	309	303	297	281	273	279	275	271	277	285	297	288
9 Q	295	309	296	278	283	279	290	296	307	313	311	309	313	317	316	313	302	286	283	291	292	295	303	308	299
10	302	317	319	325	333	309	317	309	326	329	325	316	295	325	337	325	315	299	268	263	259	261	283	296	306
11	304	293	281	275	277	273	283	293	299	303	309	307	305	314	324	314	304	283	277	274	268	265	263	284	290
12	303	275	272	284	289	296	297	299	289	291	305	307	301	297	309	301	288	272	276	279	277	269	270	289	289
13	315	315	311	319	311	303	303	273	299	315	313	317	319	317	322	329	329	323	317	301	283	277	281	285	307
14	297	305	319	317	315	319	309	311	323	323	317	317	323	321	325	325	327	315	301	297	288	273	284	289	310
15	306	318	310	313	305	275	291	305	311	321	327	335	335	333	329	332	329	325	311	303	291	287	283	295	311
16	303	295	305	303	324	317	315	325	335	337	338	329	301	284	284	303	291	280	303	279	259	277	284	293	303
17	283	304	284	288	287	285	307	295	303	281	311	310	313	315	318	317	301	281	257	271	268	256	263	285	291
18	313	281	301	295	289	301	315	309	311	310	307	309	313	317	313	295	283	273	277	282	279	276	283	293	297
19 Q	312	315	313	307	309	313	316	319	324	323	323	321	318	321	322	318	309	303	293	283	277	277	284	295	308
20 Q	311	320	318	316	317	319	321	324	325	329	329	327	326	327	327	329	330	327	316	303	289	282	283	298	316
21 Q	311	321	324	321	322	325	327	329	331	333	333	331	338	345	350	349	334	313	305	301	299	297	301	314	323
22 Q	321	329	329	322	321	320	316	315	323	331	337	340	331	335	331	327	320	317	311	309	311	313	315	321	323
23	328	325	331	328	321	333	331	335	336	337	342	342	346	350	349	344	325	312	307	306	315	311	305	319	328
24 D	335	353	363	291	253	249	257	269	295	288	292	287	278	217	275	271	251	203	171	210	251	295	331	279	274
25	368	361	269	250	271	295	278	291	317	289	279	280	274	275	259	245	232	231	234	242	250	272	279	283	276
26	278	293	282	264	277	285	281	287	284	293	303	303	304	299	281	281	277	275	268	267	261	271	288	297	283
27	301	296	297	295	302	301	303	308	303	307	303	302	305	302	299	301	294	284	277	280	297	306	295	321	299
28 D	354	364	322	321	262	273	278	255	199	177	189	209	84	209	266	252	243	208	223	257	257	267	279	293	252
29	331	310	273	292	296	277	265	288	277	269	288	239	241	279	288	292	283	292	264	267	292	285	274	285	281
30 D	302	305	373	350	309	322	313	296	275	299	305	304	164*	-6*	9*	144*	14*	-216*	-116*	-41	94	281	197	196	186
31																									
Mean	310	308	302	299	295	289	293	294	296	296	303	299	279	271	275	277	272	245	252	262	261	272	278	287	284

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 11 Victoria D = 22° 30'.0 + E April 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	-1.8	7.3	15.9	25.5	27.2	13.8	17.6	12.6	14.1	21.1	18.1	18.5	30.7	0.4	26.3	35.8	38.9	32.9	18.5	23.3	24.9	15.0	18.2	17.0	19.7
2	21.6	23.9	22.3	30.7	32.2	33.2	28.9	38.8	35.8	20.2	20.4	9.1	22.7	25.2	26.8	28.1	28.6	28.1	25.2	22.8	20.3	17.9	16.9	15.4	24.8
3 D	12.7	12.6	18.6	25.9	27.0	27.1	29.8	27.4	16.5	16.9	21.7	22.2	22.9	26.1	28.1	29.6	30.1	27.2	23.9	20.3	18.5	18.0	18.6	19.4	22.6
4	19.5	19.1	18.4	19.2	19.9	20.2	20.4	20.2	20.6	21.2	21.1	21.2	22.1	22.9	23.0	24.6	25.3	22.9	21.1	20.4	21.1	15.2	14.0	15.1	20.4
5	15.9	18.4	18.2	19.6	22.1	27.7	22.1	18.5	20.2	20.6	21.7	20.2	21.1	22.1	23.7	18.4	18.5	19.4	21.7	21.2	19.4	18.5	17.8	18.1	20.2
6	18.6	18.8	19.1	19.4	19.5	22.1	22.7	20.4	19.4	18.9	20.2	21.2	19.6	16.9	22.0	26.1	29.7	27.9	25.3	25.5	22.5	15.9	13.3	12.7	20.7
7	11.7	14.9	16.0	16.0	18.9	18.5	19.2	19.9	19.5	20.2	20.4	20.4	22.0	23.0	24.6	22.0	24.7	25.6	21.8	8.3	13.1	14.2	15.1	15.9	18.6
8	16.8	19.4	22.9	20.1	18.9	18.6	22.9	24.8	20.2	17.0	21.4	24.4	23.6	24.4	24.4	26.0	26.1	25.1	24.7	23.7	19.4	18.1	16.7	16.2	21.5
9 Q	17.2	17.0	18.7	23.8	25.3	20.1	22.9	21.1	23.0	23.9	20.7	20.3	20.1	21.1	23.6	25.5	27.4	29.2	27.2	21.9	18.5	16.9	15.9	15.9	21.6
10	17.4	16.8	17.7	17.7	16.0	24.6	22.8	22.1	23.5	23.6	22.8	17.1	22.7	26.4	28.8	32.1	30.6	29.1	25.3	21.0	19.4	16.9	9.9	8.9	21.4
11	11.4	12.5	14.1	19.1	24.2	27.2	22.7	21.1	21.1	21.1	20.8	20.3	21.7	23.7	26.2	27.4	28.8	29.2	24.2	21.2	19.7	18.5	17.0	15.5	21.2
12	17.1	15.5	22.5	19.4	25.0	26.2	19.5	28.1	18.5	22.9	21.9	22.0	19.4	20.3	23.8	28.5	28.9	28.7	24.2	22.0	19.6	17.7	15.9	15.5	21.8
13	14.7	15.9	25.4	25.4	19.5	26.4	33.2	27.9	21.3	23.6	22.0	21.1	21.1	22.8	23.1	26.2	28.9	30.6	31.5	29.0	25.4	20.5	17.1	15.9	23.7
14	15.2	17.7	17.8	22.3	22.0	21.0	21.7	23.9	21.3	19.4	17.0	17.9	19.4	19.4	22.9	24.5	26.8	27.9	26.9	23.7	20.9	18.5	15.7	14.1	20.7
15	14.2	14.8	18.6	20.3	23.8	29.8	21.1	20.3	20.7	21.1	20.3	22.1	21.2	22.1	23.8	26.3	26.9	28.0	28.1	26.0	22.4	18.6	16.7	14.9	21.8
16	14.9	17.0	18.0	22.0	22.0	20.2	20.7	20.7	20.2	21.0	19.4	21.2	14.9	19.3	20.4	24.6	29.8	22.9	22.9	25.4	20.3	18.4	16.9	16.6	20.4
17	17.8	17.0	21.1	23.9	19.1	21.3	18.5	19.4	25.3	15.1	23.7	22.1	21.7	22.9	27.2	28.4	31.4	29.0	22.9	19.4	18.5	14.7	12.7	14.2	21.1
18	13.1	17.1	22.8	20.1	19.5	20.3	23.8	22.0	20.4	19.8	18.0	15.9	20.3	22.9	24.9	26.1	28.1	27.2	23.7	20.3	17.7	15.0	13.4	13.5	20.2
19 Q	14.6	16.8	19.1	20.2	21.1	19.4	19.8	21.1	19.8	19.8	20.0	20.4	21.1	22.9	25.9	28.5	29.9	28.9	26.3	22.8	19.8	16.9	15.1	14.3	21.0
20 Q	15.1	16.9	18.5	18.6	19.2	19.6	20.3	20.4	19.8	19.8	20.2	20.3	21.1	22.9	25.5	27.3	29.1	28.9	27.2	24.7	22.1	19.5	17.7	15.5	21.3
21 Q	15.3	16.6	18.5	18.6	18.8	18.9	19.1	19.4	19.8	20.2	20.3	21.1	21.3	22.0	24.3	27.3	29.7	28.1	25.5	22.9	19.5	17.7	15.9	15.2	20.7
22 Q	15.9	16.4	18.5	19.4	19.8	20.4	21.2	21.7	21.2	20.3	20.4	22.0	21.8	22.9	24.5	26.2	26.6	25.9	24.4	20.3	18.7	16.9	15.9	15.9	20.7
23	15.9	16.8	18.3	18.7	19.0	17.8	17.9	18.6	19.4	20.2	20.3	21.1	22.0	22.8	24.4	25.6	27.3	25.5	21.7	20.3	18.5	15.9	13.5	11.9	19.7
24 D	11.6	6.4	5.6	17.5	15.9	19.5	20.4	19.4	24.6	21.2	21.1	22.0	22.0	19.4	27.1	29.3	30.7	28.0	20.8	14.1	13.6	16.2	14.3	14.7	19.0
25	8.3	14.2	14.3	17.7	18.6	24.8	24.6	22.8	18.7	22.0	27.2	31.3	30.6	31.3	29.3	28.9	24.4	24.5	16.6	16.5	17.7	16.9	15.1	16.0	21.4
26	17.3	17.4	17.4	20.2	20.8	21.1	23.6	21.3	26.3	25.4	21.2	23.4	24.1	24.6	24.2	22.9	22.9	21.3	20.4	16.7	14.3	13.3	13.4	14.2	20.3
27	16.8	18.5	19.3	19.2	19.0	18.5	20.2	22.0	18.2	20.1	22.0	23.4	23.7	23.7	25.6	27.6	27.2	24.7	22.9	17.9	19.4	13.1	4.7	2.1	19.6
28 D	2.4	-1.4	6.3	12.1	17.7	15.1	13.3	21.2	28.1	18.7	28.1	37.6	25.4	31.5	29.8	26.1	26.3	24.2	17.4	15.2	14.9	13.3	14.1	14.9	18.8
29	14.6	8.9	16.0	17.8	20.3	23.6	33.3	22.8	27.3	26.3	22.9	11.5	14.2	26.6	30.7	32.5	29.9	28.1	25.4	20.7	18.5	18.5	17.8	18.4	21.9
30 D	19.4	17.6	10.8	28.2	19.8	21.1	17.1	20.1	22.9	19.7	15.4	25.0	16.8	40.2	47.3	41.0	47.9	38.4	36.7	17.7	11.6	12.7	18.0	21.7	24.5
31																									
Mean	14.5	15.4	17.7	20.6	21.1	21.9	22.0	22.0	21.6	20.7	21.0	21.2	21.7	23.1	26.1	27.4	28.7	27.2	24.2	20.8	19.0	16.6	15.2	15.0	21.0

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 12 Victoria — Z = 52,967 γ + — April 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	610	528	575	574	559	473	501	501	448	445	414	222	220	-10	210	110	266	114	324	453	452	518	537	530	399
2	537	538	511	484	455	444	390	387	306	239	240	202	325	412	423	419	418	417	410	407	405	407	411	418	400
3 D	422	447	445	487	545	398	379	359	344	336	413	421	417	419	418	412	403	389	387	396	402	402	407	409	411
4	409	411	411	409	405	407	409	410	409	408	407	406	406	407	407	405	400	389	383	387	384	398	411	407	404
5	409	411	408	417	433	431	412	409	405	406	401	400	394	399	385	356	349	361	373	379	383	389	400	403	396
6	403	400	400	400	403	403	408	406	399	398	395	397	394	380	382	389	391	384	380	378	380	380	388	393	393
7	406	418	419	423	425	413	405	396	395	397	397	397	397	395	394	387	378	358	349	363	382	392	403	407	396
8	411	415	430	427	420	412	410	417	412	379	372	382	389	401	403	402	399	394	393	385	382	382	387	395	400
9 Q	397	409	407	417	419	413	411	397	387	372	392	397	398	403	405	407	405	401	392	383	384	381	381	389	398
10	391	397	395	394	397	419	413	413	401	373	386	360	331	349	367	380	386	385	379	379	385	392	399	455	389
11	435	418	411	415	413	412	410	402	398	394	388	392	394	400	400	395	393	385	386	387	388	391	398	407	400
12	428	431	462	456	438	423	388	397	348	378	400	402	390	370	392	398	398	400	398	395	391	388	393	402	403
13	410	412	432	422	409	439	424	407	367	397	406	405	402	403	407	409	408	402	397	392	389	388	386	391	404
14	403	407	407	405	399	397	399	399	389	383	372	360	378	387	395	401	403	398	392	390	384	381	385	391	392
15	400	409	410	406	414	451	423	415	410	401	393	381	391	399	403	403	401	400	395	391	386	387	389	396	402
16	401	408	407	404	405	399	401	402	389	379	373	361	319	309	289	285	311	329	345	350	366	381	392	415	368
17	427	422	434	436	416	421	402	383	391	361	361	387	397	401	402	401	391	381	373	377	373	376	380	387	395
18	405	425	445	421	416	411	391	375	392	394	382	352	379	391	397	395	393	390	384	377	378	381	386	394	394
19 Q	402	403	406	401	401	398	396	394	392	393	395	394	396	397	397	398	398	392	386	382	383	384	388	392	394
20 Q	397	399	399	395	394	395	393	391	391	391	389	391	393	396	396	392	387	381	375	375	375	377	382	389	389
21 Q	392	397	397	395	393	392	391	390	389	390	390	390	393	395	395	394	391	377	367	367	371	371	375	380	387
22 Q	383	389	392	391	391	391	392	393	393	391	390	387	389	393	395	395	390	383	373	372	375	379	377	376	387
23	385	390	393	393	391	392	390	389	388	387	386	386	387	387	389	389	387	379	370	368	373	373	377	397	385
24 D	429	490	609	580	521	510	481	401	397	419	412	407	401	327	363	389	399	389	387	402	405	437	483	451	437
25	506	519	487	443	433	430	369	397	361	341	359	342	341	337	341	362	369	389	393	397	410	432	441	441	402
26	433	448	445	443	434	428	419	373	371	385	391	395	404	404	393	381	379	379	379	383	390	397	405	414	403
27	423	415	409	404	405	409	412	406	407	405	404	401	403	392	373	381	381	383	381	382	382	387	410	470	401
28 D	537	547	574	589	499	461	469	479	308	276	251	277	234	312	323	311	337	355	372	398	417	422	442	443	401
29	465	509	507	463	491	514	480	347	397	403	427	362	299	372	393	407	404	403	391	401	415	413	416	429	421
30 D	453	439	495	608	537	579	469	427	414	372	335	372	190	-30	50	315	250	20	329	429	474	527	486	471	375
31																									
Mean	430	435	444	443	435	429	415	402	387	380	381	371	365	357	370	376	379	364	378	388	392	400	407	415	398

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Victoria — H = 18,443 γ + — May 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	190	237	257	217	245	233	245	251	262	285	258	255	244	239	247	246	241	232	225	227	239	240	273	267	244
2	275	287	277	291	304	282	283	289	294	291	291	297	289	281	293	283	283	271	267	261	277	284	293	291	285
3	293	297	301	303	304	303	302	304	301	301	302	301	301	301	308	311	305	301	293	287	288	289	294	299	300
4 Q	307	310	307	307	308	311	309	315	319	321	324	325	323	325	331	330	321	305	297	297	303	293	285	290	311
5	302	311	313	315	315	317	323	330	329	327	323	325	326	332	329	327	313	303	296	303	301	301	309	335	317
6 D	301	321	312	331	315	331	362	333	327	321	313	301	293	303	291	285	277	236	175	215	283	277	211	267	291
7 D	291	310	312	282	340	314	313	325	339	331	339	335	343	310	303	319	283	275	269	276	282	280	293	301	307
8 D	306	315	308	295	341	344	353	356	339	64	297	291	255	208	101	121	230	269	304	306	303	305	294	318	276
9	297	302	305	297	295	301	301	303	308	309	329	317	306	313	319	304	304	306	305	299	285	275	287	299	303
10	307	301	300	293	299	297	301	304	313	315	316	320	309	324	324	302	313	318	302	294	302	305	289	282	305
11	294	297	302	309	323	307	320	298	287	299	321	315	314	323	315	317	325	314	300	284	283	289	267	288	304
12	297	309	309	311	314	308	294	304	301	312	293	317	290	301	311	327	309	303	288	284	299	311	317	310	305
13	306	321	308	311	314	317	317	319	323	326	329	326	326	323	316	315	317	313	307	292	286	279	281	284	311
14	303	319	319	311	312	297	302	307	311	313	316	317	318	321	320	314	307	305	300	298	294	297	305	313	309
15	313	317	313	316	311	315	319	321	336	332	319	315	311	320	318	315	309	301	291	291	297	305	307	309	312
16	316	315	313	313	317	328	327	319	328	331	327	333	343	359	372	332	341	350	334	343	363	325	341	324	333
17	310	313	311	310	315	317	331	323	333	336	337	329	341	340	337	328	316	317	318	316	316	314	315	315	322
18 Q	318	322	321	314	320	325	316	317	321	321	323	323	326	331	331	323	323	323	319	314	314	315	315	316	320
19 Q	310	311	317	320	325	325	327	332	328	327	327	325	327	330	329	327	321	315	308	313	320	319	320	327	322
20 Q	330	323	319	319	323	325	331	333	337	335	336	335	337	340	339	331	325	315	317	322	321	322	324	323	328
21	329	328	325	330	329	331	333	333	335	340	337	333	341	342	343	338	323	327	322	313	313	306	315	325	329
22 Q	335	336	332	327	325	325	328	331	335	337	337	337	342	348	353	353	344	340	339	341	337	337	334	333	337
23	335	337	338	336	339	342	341	343	345	350	355	354	367	379	361	341	335	301	303	315	321	294	319	309	336
24	333	314	307	311	305	297	268	283	301	287	292	313	307	333	338	312	304	282	270	281	286	311	317	299	302
25	309	305	319	301	302	315	306	311	311	319	322	325	333	323	301	302	288	264	263	290	296	297	299	314	305
26	312	324	329	309	295	307	315	305	305	310	314	319	310	311	315	309	293	286	285	279	279	277	292	311	304
27	319	333	340	295	289	299	301	304	309	309	310	307	307	306	307	301	297	280	262	260	275	295	297	295	300
28	317	327	324	324	323	323	323	321	314	315	319	323	324	325	324	317	303	304	301	296	312	301	313	354	318
29 D	410	391	324	302	301	305	303	314	321	331	330	334	341	357	345	337	353	341	329	310	280	328	330	344	332
30	329	330	322	325	317	315	323	318	331	325	326	315	303	309	280	289	288	288	293	298	291	286	286	298	308
31	317	315	319	321	319	317	319	329	338	347	349	345	353	359	361	351	337	325	317	311	319	314	334	332	331
Mean	310	315	313	308	312	312	314	315	319	312	320	320	318	320	315	310	307	300	294	294	299	299	302	309	310

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Victoria — D = 22° 30'.0 + E — May 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	23.8	27.1	21.0	23.2	18.4	17.6	18.4	19.7	14.9	23.1	22.8	22.2	18.0	22.8	28.0	30.4	29.2	28.0	23.6	18.5	15.8	15.9	15.9	16.7	21.5
2	17.7	18.4	20.2	25.1	25.3	20.5	21.1	18.3	17.7	20.1	21.0	18.5	22.7	24.5	27.8	28.8	27.2	26.0	22.4	19.3	15.9	16.5	16.2	17.6	21.2
3	17.6	18.1	19.2	21.5	23.9	21.2	20.2	23.9	21.2	18.0	14.1	21.7	23.2	24.5	26.1	28.0	28.0	25.4	22.0	19.3	17.0	15.8	15.8	16.6	20.9
4 Q	17.7	19.3	19.7	19.2	18.9	19.3	20.2	20.0	19.4	19.3	19.3	19.5	21.4	23.7	26.0	27.4	28.0	26.6	23.2	19.8	17.4	16.7	15.1	15.7	20.5
5	15.9	16.7	17.6	17.5	18.0	17.9	19.2	21.9	19.8	21.0	21.1	20.6	21.0	24.5	27.3	30.4	29.7	27.3	23.2	17.7	16.7	15.8	16.7	15.8	20.6
6 D	17.1	17.1	19.1	18.4	20.9	18.6	22.3	16.5	17.6	21.0	28.0	27.3	27.1	34.8	31.8	34.0	31.0	35.3	24.1	7.1	7.9	16.7	14.1	11.3	21.6
7 D	10.6	14.9	16.3	17.6	26.4	12.5	15.8	21.7	20.6	18.4	20.9	21.9	22.0	22.9	27.2	28.0	28.3	26.2	23.6	21.1	19.3	17.5	17.6	19.0	20.4
8 D	17.3	17.7	17.9	19.8	24.6	20.9	19.3	25.4	15.9	31.4	20.9	23.5	22.8	27.4	30.1	28.5	23.6	30.8	22.0	19.3	15.5	15.7	17.6	15.1	21.8
9	17.5	15.8	15.9	17.6	19.1	18.4	18.3	20.2	22.7	20.3	19.6	22.5	17.6	20.2	23.4	24.0	26.2	23.2	21.1	19.7	19.3	18.4	17.0	16.7	19.8
10	17.6	19.0	20.3	19.4	19.3	19.7	20.2	21.1	25.2	20.3	20.2	18.4	17.6	23.5	25.4	25.9	28.0	27.1	24.7	23.4	20.2	19.5	17.2	16.6	21.2
11	17.0	18.9	21.9	19.7	21.9	40.5	22.5	27.2	34.8	23.6	19.7	17.0	21.0	25.0	25.8	28.0	27.4	27.1	25.7	21.9	18.0	16.7	16.6	16.4	23.1
12	17.5	17.9	18.5	21.9	29.2	28.8	24.5	16.7	15.3	19.6	21.0	18.4	18.6	21.0	25.4	28.4	30.5	28.8	25.5	21.8	18.4	16.7	15.9	15.8	21.5
13	15.9	15.8	17.0	18.3	18.4	19.9	21.0	20.2	19.2	17.4	19.1	19.3	21.8	23.6	25.4	26.6	26.2	23.6	22.8	21.7	19.3	17.6	14.9	14.2	20.0
14	15.8	17.4	20.2	20.1	21.0	23.6	22.3	23.6	21.7	26.4	20.2	20.3	21.7	26.2	26.9	27.1	24.7	23.6	22.6	20.5	18.0	15.8	15.0	15.8	21.3
15	17.4	18.2	19.0	19.9	20.1	20.2	19.3	19.2	20.9	21.0	20.5	19.2	21.4	25.4	25.3	26.2	26.2	25.4	23.7	20.9	18.0	16.1	15.0	15.4	20.6
16	15.8	16.5	17.7	18.4	19.7	21.4	19.3	19.0	18.4	19.5	21.8	22.2	23.9	24.7	26.3	27.1	26.4	20.1	20.1	17.7	15.2	11.1	9.8	10.6	19.3
17	15.1	17.7	18.8	18.5	18.4	18.4	18.6	16.7	17.6	20.6	21.9	22.4	23.8	25.8	24.9	25.4	23.6	21.9	20.2	17.6	16.7	16.7	16.8	17.6	19.8
18 Q	18.7	19.4	20.4	20.2	21.4	20.1	20.2	18.5	18.5	19.3	19.9	21.5	22.7	22.7	24.1	25.3	25.4	25.2	22.7	19.7	18.8	18.4	18.4	18.2	20.8
19 Q	18.2	17.6	17.8	18.3	19.2	20.5	22.8	20.2	20.1	22.5	20.2	19.5	21.8	23.2	24.5	26.2	26.0	24.1	21.8	19.0	16.5	15.8	15.0	15.2	20.2
20 Q	16.1	18.4	19.3	20.0	21.5	20.2	18.4	18.9	19.3	19.3	18.6	19.3	20.5	21.9	23.8	24.8	25.3	23.7	21.8	19.1	16.7	15.0	15.8	15.8	19.7
21	15.9	17.0	17.1	17.7	18.4	18.4	19.1	19.3	20.7	23.2	21.2	21.3	22.8	23.5	27.0	27.0	28.0	26.5	23.6	21.0	18.4	17.4	16.3	15.8	20.7
22 Q	16.7	18.4	19.3	19.3	19.0	18.4	18.4	18.9	19.0	19.2	20.2	20.6	21.5	23.6	25.6	28.0	28.0	27.5	24.4	19.3	15.9	13.8	13.2	14.0	20.1
23	15.8	16.8	18.4	18.3	17.6	17.3	17.6	18.1	17.6	19.3	19.3	20.1	21.8	23.4	24.5	31.0	29.2	29.5	21.8	18.4	16.3	12.3	13.2	11.4	19.5
24	11.7	15.0	18.4	22.8	22.3	22.6	37.5	23.0	21.8	24.3	15.8	24.1	18.4	25.3	25.5	27.5	29.7	29.8	25.4	19.2	15.1	13.2	11.7	12.4	21.4
25	11.5	13.7	15.0	17.8	21.5	17.7	19.2	18.5	16.5	17.6	18.3	21.5	21.6	21.1	19.2	25.8	28.6	28.7	23.6	19.3	16.4	13.2	12.2	11.4	18.7
26	11.5	15.0	15.4	18.5	18.4	18.7	22.8	22.8	20.8	18.3	18.5	19.8	21.8	23.6	27.3	31.3	30.2	26.9	22.8	20.5	17.6	14.4	12.5	10.0	20.0
27	10.5	12.6	12.4	19.5	18.4	17.0	17.0	16.9	17.5	17.6	18.3	18.9	20.2	21.6	24.5	27.5	28.6	28.4	25.4	20.0	16.8	13.2	11.5	12.4	18.6
28	13.2	15.3	18.6	18.9	17.7	18.4	18.9	20.9	20.5	18.5	19.3	20.2	21.7	22.8	25.4	26.2	27.0	26.0	22.7	20.2	17.6	12.2	9.8	6.2	19.1
29 D	-3.2	9.0	2.5	11.3	14.2	14.1	15.8	17.7	17.6	18.5	20.0	20.9	21.7	24.6	26.1	28.0	27.2	26.8	25.3	22.2	19.1	14.5	15.0	14.2	17.6
30	15.8	17.0	19.3	18.5	19.3	20.2	20.2	22.6	26.3	20.9	19.3	18.9	23.1	21.7	22.9	22.8	24.5	24.6	23.6	21.1	19.5	17.6	16.7	16.7	20.5
31	17.4	18.4	20.8	22.9	21.0	20.5	19.4	18.4	17.6	17.6	18.8	20.2	22.0	24.7	27.2	28.5	29.5	27.0	23.6	20.4	16.7	14.2	11.5	11.6	20.4
Mean	15.4	17.1	17.9	19.4	20.4	20.1	20.3	20.2	19.9	20.6	20.0	20.7	21.5	24.0	25.8	27.6	27.5	26.5	23.2	19.6	17.1	15.6	14.8	14.6	20.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Victoria $Z = 52967\,\gamma +$ May 1960

Day	Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	D	477	493	493	471	464	455	451	451	430	441	429	428	412	407	423	421	417	415	406	407	414	425	438	427	437
2		426	430	431	439	426	417	420	411	405	409	409	393	397	401	406	401	397	397	395	396	408	411	415	413	410
3		413	415	414	417	415	411	411	409	405	399	371	391	407	410	409	409	405	398	395	393	395	400	400	403	404
4	Q	407	410	408	405	405	405	405	407	407	406	406	405	403	407	409	407	405	397	392	392	399	401	399	397	404
5		401	408	410	407	404	405	405	403	387	392	396	401	403	398	397	398	395	387	381	383	383	390	393	404	397
6	D	400	411	405	409	411	407	383	356	362	359	358	368	349	337	348	359	356	357	355	382	393	389	396	427	378
7	D	442	468	481	481	474	350	348	405	413	376	380	388	390	371	367	385	375	372	373	387	397	399	408	429	402
8	D	430	428	422	415	430	441	449	437	427	137	372	355	299	234	133	139	291	379	409	406	405	411	412	417	362
9		409	412	411	407	406	407	408	411	407	408	399	397	392	393	390	395	397	397	399	404	407	407	408	411	403
10		415	413	414	409	409	410	411	409	403	396	399	399	386	397	402	391	391	391	391	395	396	399	403	407	402
11		420	425	431	421	421	449	411	414	349	392	403	387	407	418	413	404	406	399	391	387	390	391	393	407	405
12		409	412	412	413	417	407	408	407	355	378	360	353	347	360	386	405	411	411	405	403	396	395	399	396	394
13		399	405	401	401	400	402	405	405	403	397	391	392	401	402	401	397	396	397	391	385	383	384	392	397	397
14		405	415	416	411	411	413	414	407	395	372	387	395	398	400	403	401	397	391	390	388	385	385	388	392	398
15		396	399	399	401	399	402	401	400	392	377	373	357	351	365	373	380	381	377	371	371	377	381	385	389	383
16		395	397	397	397	397	393	383	389	393	389	379	388	393	397	390	373	365	353	358	369	375	361	373	376	382
17		387	399	397	393	394	396	399	393	389	387	377	382	391	391	388	388	379	377	370	371	378	386	391	393	387
18	Q	395	397	399	397	397	395	395	397	396	396	396	398	399	395	393	387	379	371	366	367	369	375	385	390	390
19	Q	396	397	398	395	395	395	396	391	391	389	392	393	398	402	402	403	397	388	377	372	378	382	385	392	392
20	Q	395	399	397	394	395	395	392	390	390	390	390	392	395	399	402	398	387	380	377	373	373	372	372	380	389
21		392	398	394	391	391	390	390	391	390	387	385	387	395	397	399	396	387	371	363	364	372	373	378	383	386
22	Q	393	397	394	391	389	388	388	388	389	389	387	389	392	393	396	391	381	369	361	359	359	363	367	375	383
23		385	389	389	386	383	385	385	385	385	387	387	387	391	395	395	394	382	369	359	357	366	375	387	387	383
24		397	403	410	425	425	425	410	390	404	387	350	357	352	380	388	377	379	373	367	373	379	401	409	415	391
25		439	441	446	442	432	423	425	419	401	381	373	388	395	387	349	356	367	369	365	373	383	391	398	406	398
26		428	441	445	437	421	419	415	402	403	399	393	387	383	393	396	399	397	389	381	385	386	387	399	416	404
27		429	445	471	467	429	413	406	403	401	401	401	400	401	397	395	393	392	383	375	372	371	382	389	395	405
28		403	407	409	401	395	395	397	397	393	393	395	397	397	397	397	393	391	387	383	385	385	377	381	393	394
29	D	443	510	478	441	419	408	411	405	407	408	405	406	406	405	403	394	392	388	387	377	375	382	379	387	409
30		389	395	394	393	389	391	397	395	382	377	391	375	339	353	322	333	343	361	372	381	383	389	391	397	376
31		403	407	410	411	403	401	399	398	395	395	395	396	399	401	396	389	380	367	361	359	362	367	379	387	390
Mean		410	418	419	415	411	406	404	402	395	384	388	388	386	386	383	382	384	383	380	381	385	388	393	400	395

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 16 Victoria — H = 18,443 γ + — June 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	346	339	335	331	285	306	293	301	307	300	299	294	312	297	330	329	321	313	307	298	301	295	304	308	310
2 Q	322	319	317	315	315	316	323	326	331	335	331	335	337	335	341	347	349	346	341	335	327	317	311	311	328
3	312	313	313	315	317	319	323	325	331	333	334	341	340	339	336	336	330	313	316	314	324	325	336	333	326
4 D	321	315	331	362	399	369	341	307	305	311	317	313	339	337	327	329	311	304	314	324	317	325	311	335	328
5	339	323	327	299	271	265	267	270	281	279	251	281	282	315	313	311	307	311	297	287	303	315	304	335	297
6	315	301	327	316	291	293	300	309	304	310	305	307	315	325	332	311	302*	294	296	304	316	326	336	352	312
7	316	328	330	288	297	310	316	328	318	299	322	332	334	334	340	349	340	320	298	306	307	308	316	321	319
8	318	328	340	328	323	305	308	320	310	320	323	325	332	342	353	351	330	298	286	276	288	308	318	339	320
9	368	346	315	312	314	306	314	311	310	312	319	321	324	314	318	310	302	288	270	286	301	310	308	315	312
10 Q	326	327	318	322	322	327	331	330	324	327	332	334	338	336	336	341	333	328	321	304	302	300	312	312	324
11 Q	330	341	321	322	325	325	329	329	329	331	331	337	340	341	339	333	321	316	304	296	289	293	305	320	323
12 Q	333	333	334	330	333	333	337	337	340	342	343	344	349	357	361	353	353	337	335	333	321	321	321	323	338
13	331	335	325	333	327	331	340	338	335	337	339	344	351	353	349	347	348	342	341	331	319	310	307	317	335
14	328	343	333	342	338	341	341	327	334	338	343	345	328	336	353	349	340	331	321	307	309	309	315	321	332
15	326	334	323	332	328	326	334	344	346	327	335	337	329	343	353	349	338	330	327	321	316	307	305	310	330
16 Q	317	331	341	326	327	329	330	325	328	329	328	331	335	339	336	326	323	311	317	315	317	317	321	325	326
17	327	342	315	319	325	330	329	331	333	334	337	336	338	343	342	330	313	327	333	326	335	327	326	335	330
18	355	337	322	326	327	338	327	337	341	346	347	345	347	351	362	351	335	309	322	328	327	336	351	350	338
19	360	361	347	322	314	313	315	299	307	309	303	327	334	325	322	323	325	315	299	297	293	295	312	318	318
20	324	325	319	321	318	315	319	321	329	330	329	329	333	337	349	347	337	327	322	323	333	339	335	329	329
21	331	320	332	330	328	318	306	312	301	309	314	326	344	346	341	331	324	328	314	320	322	309	310	327	323
22	338	350	341	330	332	346	324	326	330	326	330	331	323	340	344	349	346	334	320	308	302	299	310	330	330
23	323	332	306	327	333	324	317	326	334	336	344	342	339	336	341	338	334	328	319	308	294	292	305	302	324
24	320	329	322	333	324	335	334	324	318	325	328	336	327	328	332	326	330	328	333	318	326	326	322	323	327
25	315	320	342	330	336	332	334	340	338	343	340	340	330	330	334	324	340	320	313	328	324	330	302	309	329
26	314	322	305	310	314	342	314	301	305	322	324	324	327	334	344	346	344	332	328	324	306	301	292	316	320
27 D	344	363	418	434	353	320	289	299	314	290	302	315	318	328	337	341	319	293	246	293	304	312	337	316	324
28 D	306	325	317	310	307	338	344	331	348	356	329	236	315	338	330	326	323	312	297	289	286	283	284	320	315
29 D	315	315	331	339	323	317	333	317	314	332	334	337	337	343	345	342	350	355	358	356	351	372	396	383	342
30 D	416	389	405	319	278	272	282	288	290	289	272	296	310	307	308	298	285	266	309	320	259	287	295	295	306
31																									
Mean	331	333	332	327	321	321	320	319	321	323	323	325	330	334	338	335	328	319	314	312	311	313	317	324	324

67054—6½

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 17 Victoria D = 22° 30'.0 + E June 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	11.5	13.1	13.0	11.0	15.5	25.3	23.5	18.3	20.4	16.6	21.9	18.6	17.3	14.7	24.9	27.3	28.6	28.3	26.0	21.8	17.5	15.9	14.5	14.0	19.1
2 Q	14.1	16.6	19.0	19.4	19.3	19.3	19.2	18.3	18.2	18.4	19.3	19.4	20.8	20.1	22.2	23.9	23.6	25.3	24.4	21.8	20.2	19.1	16.5	15.5	19.7
3	15.5	16.7	18.3	19.1	18.5	18.5	18.8	19.0	19.2	19.7	20.1	19.3	21.1	24.2	25.7	26.9	27.5	28.9	24.3	19.2	14.9	12.4	13.1	12.7	19.7
4 D	11.3	11.0	10.4	4.5	4.8	15.8	10.3	25.3	22.3	20.1	18.5	19.4	21.8	26.1	30.3	33.0	31.2	27.2	23.8	21.4	20.1	18.8	14.0	14.8	19.0
5	16.9	17.5	15.3	24.0	28.6	22.7	16.7	25.2	30.0	28.0	20.1	29.6	30.5	29.5	26.5	27.0	26.2	24.2	21.0	18.3	17.7	16.4	16.3	14.9	22.6
6	16.4	16.9	19.8	20.1	19.9	22.8	24.2	20.2	19.2	17.6	14.2	14.0	22.2	26.3	26.1	27.0	26.0	24.8	20.9	18.3	15.7	15.0	14.9	14.9	19.9
7	17.5	18.7	20.4	20.1	18.3	18.7	20.8	17.3	16.2	17.5	18.7	16.6	21.4	22.7	25.3	27.1	27.2	26.0	23.5	16.9	15.6	12.8	13.1	14.0	19.4
8	15.8	17.9	19.9	24.6	22.7	21.6	25.0	18.0	14.8	21.0	17.9	20.1	23.6	25.4	27.2	29.9	27.9	27.0	23.0	21.4	13.7	12.3	11.0	12.1	20.6
9	13.3	18.5	22.1	21.5	29.6	22.7	25.3	20.1	19.7	19.2	17.5	18.4	20.8	23.3	25.5	30.3	28.8	28.9	27.1	20.5	16.8	14.3	14.0	14.0	21.3
10 Q	14.8	17.5	19.3	19.8	19.9	19.7	19.0	19.3	19.6	19.4	19.2	19.9	20.8	21.8	23.1	26.0	27.9	26.4	24.2	20.1	17.3	13.1	10.7	12.3	19.6
11 Q	14.8	16.5	20.1	20.1	19.5	18.9	19.5	21.2	20.2	18.4	18.5	19.2	20.0	21.3	23.5	25.3	26.9	26.1	24.4	21.0	17.8	14.4	12.2	12.4	19.7
12 Q	14.4	16.7	18.1	19.2	18.4	19.0	18.3	19.2	18.3	18.4	19.4	19.7	21.8	24.4	25.7	27.1	27.9	27.9	25.9	20.1	17.0	14.9	13.6	13.6	20.0
13	13.2	15.2	18.3	18.7	18.3	18.3	18.3	19.6	20.1	18.3	19.0	19.3	20.8	21.6	24.4	28.0	27.0	26.1	21.0	20.4	18.3	14.9	13.1	12.4	19.4
14	13.7	16.7	20.1	18.8	18.3	19.3	21.6	23.5	20.2	19.2	18.3	16.7	22.7	22.1	18.4	27.9	30.7	30.6	28.6	23.5	18.2	15.7	14.9	15.1	20.6
15	16.7	18.3	19.7	18.3	18.3	18.3	18.4	18.4	24.0	21.0	20.1	17.3	19.2	25.3	27.3	28.7	28.8	27.9	25.3	21.1	19.2	17.6	16.6	15.7	20.9
16 Q	16.2	16.9	20.0	23.4	21.0	21.8	22.7	19.5	18.3	18.3	19.0	19.9	21.5	22.7	24.5	26.7	27.2	26.6	23.3	20.2	17.8	16.2	15.2	15.7	20.6
17	16.6	18.3	20.0	19.2	18.3	18.7	18.3	18.4	18.8	19.2	19.3	19.9	21.0	22.7	23.4	24.3	25.9	22.1	18.5	16.5	15.8	15.7	14.9	14.9	19.2
18	15.5	18.3	20.1	18.8	17.6	18.5	18.3	17.9	17.1	17.7	15.8	20.5	25.3	25.6	25.7	26.3	27.9	25.3	19.9	16.2	14.1	13.1	14.0	15.6	19.4
19	15.1	17.5	18.8	18.3	20.0	25.2	24.4	23.1	20.9	22.7	12.2	24.6	25.9	28.3	27.0	26.1	27.7	27.7	25.3	23.1	19.4	17.8	17.1	18.3	21.9
20	18.8	20.0	20.8	21.4	21.7	21.8	20.2	20.1	18.0	19.5	19.2	18.4	18.7	20.9	23.0	23.7	24.4	23.5	22.8	19.2	17.5	16.6	15.7	15.7	20.1
21	16.9	18.7	17.9	19.2	25.5	22.7	22.7	22.1	23.1	23.6	23.2	27.0	28.7	29.5	27.0	27.3	27.9	26.1	24.3	19.2	18.3	15.7	12.4	9.8	22.0
22	10.9	12.4	14.6	16.1	16.4	20.1	17.8	17.9	18.2	20.0	20.6	22.0	21.0	22.7	25.3	27.0	27.1	27.2	25.9	23.2	19.0	16.6	15.1	12.4	19.6
23	12.5	12.2	14.7	16.1	15.7	20.3	17.6	17.6	18.2	18.3	19.5	20.5	21.7	22.3	23.6	26.0	20.9	20.2	19.2	18.3	18.2	17.3	14.9	14.1	18.3
24	13.7	13.1	14.8	14.4	16.3	15.8	17.5	22.3	19.4	18.9	18.3	17.5	19.3	23.1	25.9	27.2	27.9	27.4	21.4	20.1	16.6	16.3	15.7	13.9	19.0
25	13.0	14.1	16.2	18.0	17.3	18.3	19.1	18.3	20.1	21.1	20.0	20.9	17.4	16.3	21.9	27.9	25.9	28.9	24.0	18.6	17.5	16.9	15.1	14.8	19.2
26	11.9	12.4	17.6	17.4	20.6	19.8	22.6	19.1	17.8	23.3	21.7	21.6	22.5	23.3	25.7	27.5	28.7	28.8	26.9	22.1	18.8	15.7	15.2	13.9	20.6
27 D	14.1	12.5	7.9	20.5	19.2	25.3	21.2	20.2	19.5	10.5	18.4	22.5	24.0	25.8	27.2	29.7	33.1	29.6	25.3	16.6	15.7	13.1	12.4	10.7	19.8
28 D	11.1	11.3	13.8	16.5	17.8	16.3	15.0	17.2	23.5	27.1	19.0	0.0	25.3	24.6	25.7	27.3	29.7	27.6	21.1	18.5	16.6	15.1	12.1	12.2	18.5
29 D	11.9	13.6	16.8	20.9	15.1	17.3	22.7	19.2	17.3	15.8	17.5	19.2	20.8	21.4	24.1	27.1	27.2	27.9	24.2	19.9	16.5	15.7	9.8	6.3	18.7
30 D	3.6	7.6	6.3	19.6	24.2	18.4	16.8	16.7	19.4	20.3	8.3	17.3	20.7	23.4	25.3	27.1	26.0	27.9	19.7	21.5	19.3	12.3	13.6	14.8	17.9
31																									
Mean	14.1	15.6	17.1	18.6	19.2	20.0	19.9	19.8	19.7	19.6	18.5	19.3	22.0	23.4	25.0	27.2	27.4	26.8	23.5	20.0	17.4	15.4	14.1	13.7	19.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 18 Victoria $Z = 52967\gamma +$ June 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	401	420	430	452	475	441	397	401	393	379	359	326	331	315	354	384	389	389	387	386	389	383	389	397	390
2 Q	401	401	400	397	394	393	393	392	392	392	391	393	395	391	390	388	381	373	379	381	387	389	388	392	390
3	396	397	396	393	390	388	387	387	388	387	388	390	390	389	386	381	375	368	367	365	366	371	381	389	384
4 D	399	412	435	456	587	583	523	429	447	437	385	360	395	419	409	406	393	387	395	397	397	408	403	396	427
5	436	469	497	499	472	451	378	381	375	340	266	311	300	345	377	401	403	405	397	391	399	407	405	421	397
6	431	431	470	478	470	443	416	391	391	399	356	320	351	365	391	403	407	390	377	382	393	395	394	410	402
7	408	418	438	428	422	416	416	411	402	382	394	392	403	407	405	404	402	394	384	378	380	384	392	398	402
8	409	407	426	430	440	435	425	405	374	394	395	387	402	411	413	409	403	393	388	378	384	395	412	430	406
9	442	456	441	437	439	422	400	404	400	400	393	386	392	386	390	400	402	393	381	388	384	381	380	392	404
10 Q	404	408	406	402	398	398	398	398	397	397	396	396	396	390	386	388	383	378	374	368	366	370	380	390	390
11 Q	404	416	416	408	400	396	396	396	395	394	394	396	396	396	392	388	382	378	370	366	362	367	371	382	390
12 Q	389	394	396	392	392	391	392	394	394	392	388	385	390	390	390	384	376	366	362	365	367	366	363	370	383
13	380	395	394	396	390	388	390	392	394	394	394	395	397	398	396	384	374	378	371	372	373	380	382	387	387
14	393	404	402	398	390	390	393	396	392	390	392	382	358	342	352	376	384	386	384	383	386	389	390	394	385
15	402	410	408	400	391	388	389	392	372	374	386	388	372	384	393	394	392	388	378	370	374	377	384	392	387
16 Q	401	407	418	412	405	398	392	392	391	390	390	394	396	396	394	388	381	378	376	369	369	372	378	384	390
17	394	407	401	393	388	388	387	386	388	388	389	390	392	394	394	388	384	375	368	366	370	375	383	386	386
18	396	402	398	396	390	391	392	390	388	390	382	362	378	382	376	375	376	358	352	358	364	372	378	385	380
19	392	399	403	402	408	412	390	392	370	357	354	368	392	392	382	374	375	375	378	387	392	396	405	405	388
20	409	418	421	422	416	414	406	398	394	391	392	392	388	383	386	392	392	384	376	374	382	386	391	398	396
21	404	408	414	420	429	412	414	414	405	400	393	387	383	383	392	395	393	386	379	382	378	384	392	400	398
22	404	416	418	414	406	390	396	398	398	400	398	394	384	386	391	394	394	394	388	374	370	370	379	394	394
23	408	428	424	418	413	412	406	402	397	393	392	391	392	390	383	378	378	374	370	365	358	358	367	379	391
24	396	408	409	412	405	397	399	402	400	398	392	383	378	383	389	392	388	374	370	372	382	382	381	382	391
25	388	401	414	404	396	392	392	388	384	382	380	377	367	343	352	357	366	364	360	362	368	383	400	419	381
26	427	438	460	450	448	413	396	396	352	378	388	393	396	398	400	404	401	392	384	384	380	382	384	394	402
27 D	412	420	462	450	487	481	440	436	425	341	359	396	406	411	413	408	394	379	355	368	359	363	399	403	407
28 D	390	394	389	388	387	396	396	394	397	393	378	220	325	378	394	399	394	385	373	373	385	394	406	428	382
29 D	422	420	429	431	409	422	428	378	397	394	398	403	405	406	407	400	400	392	386	387	380	383	394	406	403
30 D	514	556	494	534	488	442	417	413	403	398	375	381	406	411	416	407	400	386	394	388	383	401	395	399	425
31																									
Mean	408	419	424	424	424	416	405	398	393	388	381	375	382	386	390	391	389	382	377	376	378	382	388	397	395

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Victoria H = 18,443 γ + July 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	325	305	306	311	310	328	298	282	304	305	320	321	325	323	315	313	317	325	297	293	303	314	308	294	310
2	307	301	315	330	316	317	316	310	322	326	332	307	321	332	333	328	323	314	307	312	305	295	297	299	315
3	311	321	319	316	311	323	320	319	322	325	335	332	337	345	345	343	335	338	325	311	297	293	307	319	323
4	334	334	329	321	327	323	313	319	345	320	317	326	339	341	350	359	337	338	325	317	292	287	297	303	325
5	315	309	339	304	304	321	319	317	307	300	314	317	325	322	331	324	333	326	325	321	311	303	299	291	316
6	308	309	304	309	315	319	320	327	329	335	327	311	319	318	313	311	322	325	323	315	297	279	281	295	313
7 Q	305	315	319	320	321	321	320	324	325	323	324	325	327	335	343	349	349	342	335	324	316	316	317	305	325
8 Q	316	322	320	319	323	325	325	334	337	339	335	339	343	345	350	347	345	334	329	327	318	307	312	317	330
9 Q	319	323	334	337	336	337	337	340	344	343	342	345	353	358	363	359	349	333	322	321	325	329	331	327	338
10	326	334	335	320	327	329	337	339	347	343	345	343	345	353	357	361	357	333	327	323	311	301	303	309	334
11	316	319	317	326	333	332	333	335	343	348	349	342	349	351	367	371	367	360	333	318	310	289	296	301	334
12	312	328	318	330	325	328	332	330	336	340	327	328	332	338	354	356	344	336	320	312	300	299	298	313	326
13	316	326	310	327	325	321	326	330	336	338	329	322	331	342	354	360	346	352	328	314	308	306	312	316	328
14 D	318	314	314	320	333	321	325	335	335	340	324	318	328	336	335	346	340	294	331	332	336	355	340	340	330
15 D	344	335	332	336	322	319	318	334	320	308	312	316	282	296	262	247	228	234	207	208	205	219	300	393	291
16 D	352	577	437	318	239	248	222	246	228	269	265	230	252	276	291	262	231	236	252	257	274	268	282	293	284
17	312	281	303	283	294	287	272	270	286	283	296	298	300	296	289	280	279	278	290	296	304	294	286	286	289
18	306	288	304	306	298	304	307	300	310	314	314	318	312	307	298	300	302	300	294	297	297	294	298	306	303
19 D	309	313	313	316	322	332	353	324	298	281	252	170	305	315	309	308	297	276	289	289	304	303	286	291	298
20	307	313	302	300	305	305	308	315	317	317	314	286	287	319	313	307	303	296	273	273	298	311	296	313	303
21	329	340	308	311	321	305	307	314	312	315	325	326	314	308	324	319	307	295	307	308	308	305	308	314	314
22	310	311	303	315	326	329	309	313	317	321	324	330	322	331	333	333	327	311	308	310	313	308	313	330	319
23	320	285	304	312	321	322	325	324	327	327	328	329	327	328	326	319	309	304	295	287	297	311	323	323	316
24	322	323	324	327	327	331	331	333	346	350	348	341	337	338	339	332	323	320	309	306	309	303	308	317	327
25 Q	311	316	320	327	325	326	329	329	333	333	333	334	340	343	343	342	333	311	295	295	303	308	319	323	324
26	318	321	321	321	327	329	329	333	336	341	343	341	341	343	352	355	351	336	318	316	317	327	305	285	329
27 Q	289	313	315	319	321	327	327	332	333	330	335	337	336	342	345	341	329	315	303	302	308	320	326	325	324
28	327	325	323	324	332	335	337	332	333	340	351	347	337	347	361	363	349	323	307	295	296	301	310	327	330
29	337	327	325	307	294	299	291	315	323	336	344	335	343	351	358	323	328	321	336	326	314	310	304	292	322
30	297	292	265	292	305	294	302	317	334	333	328	299	294	345	350	339	333	321	293	283	283	287	302	309	308
31 D	335	307	289	289	303	301	291	309	307	309	300	306	311	322	331	325	319	321	307	297	285	279	299	323	307
Mean	318	324	318	316	316	317	316	319	322	324	324	317	323	330	333	330	323	314	307	303	301	301	305	312	317

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 20 Victoria D = 22° 30'.0 + E July 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	12.9	14.4	22.2	19.2	18.0	21.4	21.8	20.8	21.9	20.9	17.5	15.8	18.3	21.4	22.8	22.7	24.7	26.0	25.7	18.3	16.1	18.1	17.9	18.2	19.9
2	17.9	20.1	20.0	21.0	21.9	21.8	20.9	24.3	21.9	19.2	16.7	18.9	23.6	22.7	26.8	27.9	28.8	26.9	24.8	20.8	17.6	16.9	16.6	15.0	21.4
3	15.1	17.2	19.1	20.8	21.0	21.0	21.0	20.7	19.2	18.6	17.4	18.3	20.5	23.0	25.3	25.3	25.3	23.4	21.8	19.2	18.9	16.5	16.4	15.1	20.0
4	15.0	15.9	18.3	20.6	22.1	20.9	20.1	20.1	22.9	21.0	20.7	21.7	21.0	23.5	24.7	25.4	27.1	23.6	22.8	20.8	19.2	18.0	16.7	15.9	20.8
5	16.5	17.5	19.2	18.3	18.3	18.3	22.5	25.2	22.0	23.1	21.7	17.6	19.6	26.1	27.0	27.9	29.1	27.7	25.3	22.8	19.0	17.5	18.3	17.9	21.6
6	16.8	17.5	17.3	18.4	20.1	17.9	19.0	18.5	19.5	20.5	23.6	22.2	22.3	24.1	26.3	25.4	25.3	23.5	23.5	21.7	18.5	17.3	16.5	15.7	20.5
7 Q	15.8	17.4	18.4	19.4	20.1	20.2	19.0	20.4	19.5	17.7	20.8	20.8	21.8	23.0	23.5	25.4	27.0	27.1	26.2	23.6	21.8	19.2	17.4	16.7	20.9
8 Q	16.2	16.6	17.7	18.3	18.3	18.9	19.6	18.3	18.2	18.3	16.6	18.3	21.4	22.7	24.2	26.0	26.8	25.3	22.7	20.5	17.5	16.0	15.7	14.9	19.5
9 Q	14.9	15.7	17.6	18.3	18.3	17.5	17.0	17.6	19.5	18.9	18.3	19.2	21.8	24.3	26.5	29.4	30.4	28.1	23.0	18.8	17.6	16.6	14.7	14.8	20.0
10	14.9	16.2	19.2	20.0	19.2	18.4	18.3	20.9	20.9	17.6	17.6	17.9	21.0	24.4	26.9	28.5	29.5	27.9	24.1	20.1	15.8	13.4	13.6	14.1	20.0
11	17.0	17.6	19.1	17.9	17.4	17.5	17.6	17.4	18.5	15.7	16.9	17.9	20.1	22.1	24.4	26.5	30.4	28.0	25.1	22.7	20.8	15.7	13.6	13.0	19.7
12	14.0	17.1	20.1	20.9	20.9	21.8	25.3	20.5	18.9	18.3	18.6	19.1	21.0	24.4	25.3	26.8	27.9	27.9	25.1	21.1	19.0	16.6	14.2	14.9	20.8
13	15.9	16.4	18.3	18.3	20.1	23.5	23.4	20.3	19.9	21.8	20.2	20.1	22.7	24.0	24.4	25.4	26.3	25.1	24.4	23.2	21.4	17.0	14.0	13.1	20.8
14 D	15.0	17.4	18.5	18.4	20.0	28.3	21.0	17.0	17.6	20.9	23.4	20.9	19.9	20.9	23.3	26.3	28.4	30.5	20.8	15.0	13.9	12.1	8.4	8.0	19.4
15 D	10.5	13.1	16.8	17.6	19.4	19.5	22.1	27.4	27.4	23.1	21.8	20.8	15.5	15.7	23.0	17.6	20.0	17.6	11.4	21.5	20.5	22.1	24.7	14.8	19.3
16 D	13.9	12.1	13.3	19.2	18.4	20.1	18.3	11.4	28.5	18.4	19.5	11.9	23.1	26.9	27.4	23.6	22.2	16.7	21.0	19.2	18.2	16.4	15.7	15.1	18.8
17	15.7	19.0	19.5	19.1	19.2	21.0	24.3	19.3	30.5	21.0	18.3	18.9	21.1	22.7	25.7	27.9	27.4	22.6	20.1	17.7	15.5	15.7	14.2	14.9	20.5
18	13.6	14.9	17.5	16.2	17.3	19.2	18.6	21.8	17.5	18.3	19.3	19.2	21.8	24.2	23.5	25.3	24.1	24.4	22.5	19.4	16.6	13.7	13.0	13.1	19.0
19 D	14.0	15.7	17.5	17.6	17.5	18.9	22.7	24.2	29.6	27.7	29.9	19.4	23.9	26.6	29.6	32.3	33.0	30.6	23.0	19.4	17.4	17.6	17.5	17.4	22.6
20	19.3	16.1	15.7	16.6	15.8	16.6	17.5	18.3	20.2	20.8	20.2	14.5	16.6	16.6	28.0	26.1	26.3	27.0	25.6	20.5	15.1	14.7	14.4	15.2	19.1
21	15.6	15.3	17.4	17.5	24.4	23.7	17.5	17.4	17.6	18.7	19.1	19.6	19.2	18.5	23.9	26.1	27.7	25.3	20.8	18.3	16.8	15.7	14.2	14.1	19.4
22	15.8	16.6	17.4	19.0	25.5	23.5	22.7	19.3	19.1	18.3	18.9	21.7	20.1	24.4	26.7	26.1	26.3	25.5	21.8	17.8	15.3	14.4	14.0	14.5	20.2
23	17.0	16.9	17.0	17.5	17.8	20.0	20.1	19.1	19.2	18.7	19.0	19.3	20.5	22.1	24.4	26.4	27.1	25.1	22.2	17.5	13.7	12.5	12.0	13.1	19.1
24	14.7	16.5	18.2	18.3	22.2	20.3	19.5	19.2	16.6	17.5	18.3	19.0	21.9	25.9	27.2	27.9	29.6	24.4	20.2	14.9	11.5	10.6	11.6	14.0	19.2
25 Q	16.7	17.9	18.5	18.8	19.0	18.4	17.7	18.2	18.3	18.9	19.2	20.0	20.9	22.5	23.7	25.2	25.3	25.2	20.4	15.7	14.0	13.0	12.5	14.2	18.9
26	16.8	18.6	19.4	19.6	19.3	18.3	18.3	18.3	18.4	18.6	20.3	19.2	18.3	22.6	27.3	29.6	28.9	27.0	22.7	19.0	17.5	15.7	13.3	11.9	20.0
27 Q	13.6	15.7	17.6	17.6	17.6	17.5	17.6	19.2	22.3	21.8	19.5	20.9	22.2	24.4	26.4	27.8	27.1	25.9	20.9	16.6	13.1	12.2	11.0	11.4	19.2
28	14.9	17.6	18.3	18.3	18.3	18.0	17.6	18.4	18.3	18.7	19.2	19.2	19.2	20.1	24.5	28.5	29.9	29.7	24.8	19.2	13.8	11.4	9.9	10.5	19.1
29	11.9	15.3	18.0	18.3	21.8	23.4	24.4	20.1	17.5	17.4	17.2	19.2	20.1	20.9	23.6	24.0	21.7	23.5	19.9	17.5	12.3	15.0	14.1	15.1	18.8
30	16.7	14.8	17.6	21.4	25.9	23.5	23.5	19.7	23.5	21.0	17.5	14.0	20.5	22.1	23.5	27.1	27.4	25.3	21.4	17.5	15.7	14.0	13.1	13.1	20.0
31 D	13.3	14.9	21.8	18.3	19.2	21.4	22.2	23.5	19.2	25.3	25.2	23.3	19.6	20.9	26.5	28.4	30.4	27.0	25.3	21.6	19.9	17.6	16.9	16.7	21.6
Mean	15.2	16.4	18.3	18.7	19.8	20.3	20.4	19.9	20.8	19.9	19.8	19.0	20.6	22.7	25.4	26.4	27.1	25.6	22.6	19.4	16.9	15.6	14.7	14.4	20.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Victoria — Z = 52967 γ + — July 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	409	412	434	438	419	412	402	377	396	402	404	398	398	402	402	390	384	379	366	378	395	404	404	409	401
2	419	426	424	425	417	415	409	380	390	395	385	356	372	390	399	403	404	392	383	382	381	380	380	386	396
3	398	411	414	411	410	404	400	395	392	395	394	368	381	397	402	404	398	393	383	378	383	393	399	410	396
4	418	433	434	430	421	409	407	406	369	357	364	384	403	402	385	387	385	380	375	377	381	386	393	400	395
5	408	408	434	428	420	414	412	405	398	376	373	381	373	382	395	392	395	394	383	374	380	391	398	403	396
6	422	438	438	426	412	402	400	399	396	386	362	355	364	366	376	386	391	386	387	384	386	378	370	381	391
7 Q	397	406	408	404	402	399	396	394	388	378	382	389	392	394	392	393	390	384	376	369	370	381	387	390	390
8 Q	395	403	406	400	394	394	394	394	391	388	380	378	385	387	389	390	389	380	368	364	366	367	367	375	385
9 Q	384	391	396	395	394	392	390	390	390	388	385	387	391	393	392	392	385	372	360	352	354	361	374	382	383
10	387	397	406	398	393	391	392	392	387	381	384	385	389	389	385	387	386	374	355	343	347	363	373	382	382
11	400	408	408	401	398	398	398	397	395	389	382	382	389	389	391	392	394	388	380	368	366	368	380	386	390
12	400	408	410	410	402	397	395	385	390	377	373	378	382	379	382	386	384	378	375	376	377	379	377	383	387
13	391	405	402	402	399	399	396	392	390	371	371	369	375	382	386	389	384	372	371	373	373	386	392	394	386
14 D	397	396	393	389	392	408	408	397	392	384	353	337	343	352	367	386	386	381	378	372	375	381	379	380	380
15 D	382	378	384	391	396	396	396	368	369	302	336	327	244	246	203	214	212	212	266	340	388	436	534	590	346
16 D	583	665	643	563	475	469	401	302	330	307	318	280	279	331	342	340	333	317	343	374	404	414	430	442	404
17	465	486	492	487	451	406	431	407	378	366	387	390	393	392	382	386	390	392	400	400	397	397	407	414	412
18	428	425	442	445	431	436	432	434	419	412	406	399	401	399	391	388	393	394	380	380	384	388	388	388	408
19 D	392	401	404	402	402	406	404	304	326	254	248	402	342	405	413	403	393	375	379	376	389	400	397	406	376
20	429	425	420	415	404	402	401	401	403	402	398	365	328	380	387	386	387	387	378	382	390	395	400	418	395
21	422	428	412	408	414	403	405	402	398	397	400	401	394	388	396	399	398	392	382	384	388	389	390	396	399
22	404	412	407	409	415	398	393	402	402	401	396	393	389	394	402	404	404	395	378	376	375	373	384	398	396
23	418	414	412	405	402	400	396	396	396	396	395	395	395	398	399	399	396	390	384	378	368	366	368	380	394
24	389	396	397	397	399	398	399	395	389	389	389	389	387	388	389	386	383	377	368	363	363	369	376	389	386
25 Q	396	398	396	397	394	392	392	392	392	391	390	390	392	392	390	386	382	374	369	364	365	369	382	390	386
26	394	400	398	394	392	391	390	391	391	389	384	384	382	374	384	383	381	379	378	375	372	377	384	386	386
27 Q	395	403	398	396	393	395	394	398	386	394	392	390	394	397	397	392	384	371	362	359	353	351	364	375	385
28	383	389	388	384	386	387	388	391	391	392	392	386	378	372	378	384	384	372	355	353	360	365	370	382	380
29	395	405	429	461	456	451	435	428	410	402	382	380	398	402	402	382	358	348	339	339	342	348	364	380	393
30	412	429	442	446	442	427	424	413	390	381	386	342	326	375	397	402	398	387	384	381	379	374	378	385	396
31 D	410	422	466	447	438	440	416	368	282	310	320	314	340	361	390	400	395	380	381	385	387	388	394	401	385
Mean	410	420	424	420	412	407	403	390	384	376	374	373	371	381	383	384	382	374	370	371	375	381	390	399	390

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 22 Victoria — H = 18,443 γ + — August 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	317	322	316	314	306	303	310	312	320	320	324	324	324	303	324	333	326	314	296	290	276	283	294	310	311
2	318	319	318	316	310	304	312	323	320	322	316	326	324	326	334	342	342	314	309	305	290	292	280	304	315
3	308	303	318	312	318	316	318	318	322	326	330	326	331	332	330	332	322	310	302	299	306	311	310	310	317
4 Q	324	328	312	311	316	308	317	324	320	316	314	316	330	336	340	337	334	324	318	308	299	296	298	306	318
5 Q	319	322	321	324	326	328	327	326	328	337	334	332	336	338	340	338	324	303	288	292	300	306	320	324	322
6	322	320	316	330	334	336	326	324	339	330	330	338	340	348	349	342	321	306	293	290	294	293	302	312	322
7	334	334	316	318	315	315	322	323	330	332	337	338	344	347	350	346	332	309	292	294	298	304	310	313	323
8	316	320	326	333	329	329	335	337	317	334	336	330	343	344	342	330	310	300	312	300	298	296	288	292	321
9	304	300	306	305	314	276	254	266	305	316	316	280	320	328	322	311	300	294	274	282	281	284	294	308	298
10	308	305	318	323	327	328	316	308	294	302	326	336	337	344	344	334	308	275	282	300	296	298	311	319	314
11	303	305	334	306	302	301	316	327	333	327	326	323	331	343	337	336	339	331	294	281	284	287	294	312	316
12	300	312	319	317	320	308	315	287	301	321	339	319	319	331	337	326	314	303	295	295	299	301	307	320	313
13	324	320	321	317	323	325	325	327	331	328	334	331	332	322	334	335	321	309	301	301	301	305	303	304	320
14	308	321	325	314	329	327	325	329	337	333	323	327	333	331	337	346	338	324	327	335	327	316	327	335	328
15	321	310	312	313	323	329	331	333	335	331	331	326	333	344	349	342	327	305	291	284	291	301	309	313	320
16 D	325	325	325	327	330	333	335	339	344	345	344	341	334	333	314	244	251	278	277	257	229	259	288	335	309
17 D	318	348	424	313	283	317	252	255	257	288	306	283	292	320	316	304	239	183	180	205	249	263	271	287	281
18	284	277	284	298	293	298	289	296	297	299	301	307	305	309	321	316	299	282	279	277	274	277	281	290	293
19	295	299	308	307	306	307	311	313	325	333	330	325	323	323	326	324	303	291	274	247	250	279	283	315	304
20	313	316	312	313	326	308	273	284	299	311	301	302	305	309	313	307	275	255	249	257	287	295	311	325	298
21 D	282	306	304	307	310	320	311	324	314	326	323	320	318	318	305	292	288	262	239	262	290	295	305	313	301
22	318	304	303	306	323	316	318	321	328	334	325	325	326	326	325	310	282	273	270	276	293	302	315	312	310
23	318	317	318	316	323	324	338	331	334	335	334	336	334	336	330	314	282	264	258	274	293	304	322	336	316
24 Q	335	327	324	330	332	332	333	343	334	332	334	336	337	342	343	329	308	292	290	296	294	299	308	318	323
25 Q	332	334	330	330	330	330	330	331	334	337	340	340	341	343	348	334	324	312	306	308	312	314	320	328	329
26 Q	335	339	341	336	335	337	336	337	344	348	351	350	350	348	346	338	326	315	298	290	297	302	320	331	331
27	325	321	316	314	327	340	338	337	338	342	344	344	344	348	352	350	321	273	304	308	297	320	322	335	328
28	343	339	342	308	307	310	330	339	326	323	325	329	323	324	324	326	308	302	297	298	306	316	327	336	321
29 D	364	338	356	361	350	291	306	318	306	316	314	317	316	327	334	326	323	319	308	302	294	302	303	310	321
30 D	333	302	290	291	266	244	203	220	234	278	298	280	302	282	278	289	304	292	284	298	302	300	303	304	282
31	298	302	304	282	284	292	304	311	314	297	307	310	306	316	318	323	324	308	290	282	284	283	302	310	302
Mean	318	317	321	316	317	314	312	315	318	323	326	323	327	330	331	324	310	294	286	287	290	296	304	315	313

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 23 Victoria — D = 22° 30'.0 + E — August 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	16.8	18.2	19.3	19.9	25.9	21.7	19.5	19.1	16.7	16.3	11.3	16.5	19.5	16.5	21.5	26.8	30.2	28.1	24.1	20.0	16.7	14.8	14.8	15.2	19.6
2	15.9	17.3	20.0	25.2	25.2	20.0	19.4	21.2	23.4	19.0	15.2	16.9	20.0	22.5	26.1	27.9	29.5	29.5	22.8	21.2	19.9	17.4	15.6	15.6	21.1
3	16.3	17.7	18.7	19.1	18.7	19.1	20.0	20.1	19.4	18.5	20.0	18.1	20.4	22.5	24.3	26.0	26.4	25.1	20.2	17.9	15.6	14.1	13.9	15.0	19.5
4 Q	17.4	19.3	20.0	19.4	20.9	22.2	19.3	19.8	20.7	26.0	20.0	13.8	20.3	22.5	23.7	25.9	26.9	26.2	21.7	18.8	16.7	15.6	15.1	15.5	20.3
5 Q	16.3	18.2	19.1	19.3	19.1	19.7	19.4	19.2	19.8	18.2	19.1	19.4	20.1	21.7	23.4	25.2	26.0	24.6	21.2	17.4	14.3	13.2	13.9	15.6	19.3
6	17.5	19.1	19.8	18.5	18.1	18.1	18.3	18.6	18.4	16.3	21.0	20.8	21.3	23.5	25.2	26.9	28.8	25.8	21.9	18.7	15.6	13.3	12.9	14.7	19.7
7	15.6	17.2	20.0	19.1	19.1	17.8	17.5	18.1	17.7	16.4	18.9	19.2	19.5	24.0	25.3	27.3	28.8	26.9	23.3	18.2	15.2	13.9	14.7	16.3	19.6
8	17.2	17.5	18.2	18.1	17.5	17.4	16.6	27.8	23.4	19.2	17.4	15.8	19.9	23.4	25.4	27.0	24.3	22.1	19.1	15.3	11.9	9.8	10.5	12.2	18.6
9	16.5	19.1	20.0	19.0	20.7	27.9	25.0	23.9	11.5	18.2	16.5	16.5	20.8	22.7	25.6	26.8	26.8	24.4	21.8	18.9	16.5	14.9	14.2	14.8	20.1
10	16.6	17.5	18.2	18.1	16.6	17.5	20.0	27.1	27.3	22.0	20.0	20.0	20.0	23.4	25.8	27.8	27.8	27.1	21.0	17.4	13.9	12.7	13.0	14.9	20.2
11	16.9	18.2	19.3	26.9	27.8	19.4	18.7	19.3	21.8	20.0	19.9	11.5	20.0	24.3	25.2	25.2	26.8	27.6	26.9	21.8	19.8	16.9	14.8	13.9	21.0
12	16.7	17.4	18.2	17.8	19.8	24.2	21.7	19.1	26.9	22.7	17.4	18.8	26.5	27.7	24.3	26.0	28.7	29.0	24.2	20.0	16.5	13.8	13.8	14.8	21.1
13	15.6	16.5	17.3	18.2	18.7	17.6	17.5	17.8	18.2	19.6	20.9	20.1	19.1	18.2	24.1	26.9	29.5	28.7	27.1	23.0	19.3	17.4	16.5	16.6	20.2
14	16.9	17.3	19.1	21.8	19.5	18.9	19.1	19.0	19.1	20.9	20.4	19.1	20.7	21.7	25.2	26.7	26.4	25.8	21.7	16.9	14.7	10.4	13.0	14.3	19.5
15	16.8	19.3	20.0	21.4	18.2	19.1	19.0	18.9	20.0	22.6	19.4	20.0	20.3	21.9	24.1	26.8	27.6	27.7	23.0	17.5	15.5	13.8	13.5	15.0	20.1
16 D	16.4	18.2	19.1	18.3	17.8	18.2	18.5	18.8	19.0	19.0	19.1	18.1	19.1	22.9	20.6	23.4	25.6	20.8	17.4	17.5	14.8	9.7	12.2	12.2	18.2
17 D	17.5	16.9	8.6	22.7	20.0	29.6	25.2	27.8	30.9	21.9	20.7	16.3	17.2	23.5	30.9	32.1	26.6	22.6	15.0	12.2	14.0	14.6	17.4	17.5	20.9
18	19.0	20.8	20.8	20.0	19.2	19.4	27.7	30.4	21.4	26.0	25.8	21.4	17.4	24.3	27.8	27.8	26.7	23.2	21.4	18.6	16.4	16.5	17.3	16.8	21.9
19	18.3	19.3	18.9	19.1	19.0	19.1	19.3	19.0	18.6	20.7	19.1	23.0	22.5	26.1	28.8	29.5	29.5	22.5	18.9	18.2	13.2	9.5	10.3	12.4	19.8
20	16.4	17.2	17.4	16.7	17.3	18.2	26.0	22.7	18.2	19.5	22.6	22.6	23.5	26.7	29.3	29.5	30.4	25.5	20.8	12.3	11.3	13.1	13.5	12.9	20.2
21 D	15.6	14.6	15.3	15.7	21.6	20.0	18.3	23.3	13.0	19.4	18.2	22.3	23.3	24.4	26.9	25.2	28.7	27.8	22.6	16.5	14.5	13.2	13.7	13.8	19.5
22	13.5	14.0	17.2	16.5	20.0	19.3	17.7	18.2	18.3	18.1	18.6	20.1	22.0	24.1	25.4	27.8	28.4	25.8	18.2	13.9	12.1	13.0	14.7	16.7	18.9
23	19.2	18.2	17.5	19.9	17.9	18.2	17.0	16.5	17.4	16.5	19.1	20.7	21.7	23.4	25.2	27.8	28.0	24.3	18.9	14.7	12.2	11.5	12.6	14.6	18.9
24 Q	17.2	19.1	19.1	17.4	16.8	17.2	18.4	20.0	20.8	16.4	18.2	21.6	23.4	24.3	26.0	27.9	29.3	26.7	22.5	20.0	17.4	15.6	14.7	15.2	20.2
25 Q	16.9	17.3	18.2	18.0	18.2	18.3	18.8	19.2	19.7	19.9	20.0	20.7	21.5	22.6	24.6	27.0	28.2	27.8	23.4	20.0	17.4	15.0	14.1	14.2	20.0
26 Q	14.8	16.4	17.5	18.2	18.3	18.4	18.3	19.0	19.3	19.4	20.0	20.7	20.8	23.4	25.9	28.6	29.9	28.3	25.2	20.9	17.2	13.9	12.4	12.1	20.0
27	13.2	14.9	17.1	18.2	17.4	17.4	17.8	19.0	19.1	19.0	17.4	17.5	20.9	23.3	26.1	29.3	31.2	26.9	15.7	15.3	13.9	12.1	12.2	12.9	18.7
28	14.7	16.6	17.2	20.1	26.0	20.7	18.2	13.5	19.2	19.1	19.5	19.9	19.2	20.7	22.6	27.0	28.4	26.2	22.5	19.4	16.8	15.6	15.0	14.9	19.7
29 D	14.6	15.5	14.7	15.5	17.2	28.9	23.4	16.8	17.5	19.1	19.3	19.2	20.0	21.7	23.4	25.8	25.7	21.7	19.2	16.5	13.0	12.4	13.2	13.4	18.6
30 D	19.5	16.4	16.3	27.8	24.5	23.2	27.7	13.7	14.8	24.2	22.5	17.0	20.4	22.6	19.1	23.3	27.9	26.5	19.8	17.8	16.8	17.3	17.4	18.3	20.6
31	19.3	19.0	19.1	25.2	23.5	22.7	22.6	20.7	20.7	25.8	22.9	21.7	25.1	24.6	26.9	28.7	28.6	26.1	23.4	20.0	16.9	15.6	16.5	18.2	22.2
Mean	16.6	17.6	18.1	19.7	20.0	20.3	20.2	20.2	19.8	20.0	19.4	19.0	20.8	23.1	25.1	27.1	28.0	25.8	21.4	18.0	15.5	13.9	14.1	14.9	19.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 24 Victoria — Z = 52967 γ + — August 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	408	410	404	406	410	407	405	401	382	369	367	358	372	370	366	385	391	393	380	370	369	375	385	398	387
2	408	414	414	418	417	409	406	400	381	374	354	358	374	382	386	395	402	389	388	385	382	382	386	402	392
3	412	410	408	401	397	395	394	390	386	384	378	375	383	388	391	392	393	388	386	385	384	381	388	398	391
4 Q	408	418	411	405	404	403	400	397	388	366	366	356	384	397	403	409	406	397	383	378	381	383	384	392	392
5 Q	399	400	397	396	394	394	393	392	391	386	385	388	392	396	400	404	404	395	382	370	368	370	380	388	390
6	394	395	391	392	392	392	394	397	394	356	370	382	392	397	399	400	393	384	374	369	372	373	379	387	386
7	402	406	410	407	406	407	403	400	396	376	381	388	393	396	398	400	396	386	378	370	364	366	374	382	391
8	388	388	390	393	394	395	395	379	368	384	390	387	386	389	388	384	374	363	362	369	381	394	402	419	386
9	443	434	419	405	407	416	405	394	369	389	401	346	384	401	404	404	401	396	386	386	384	388	394	405	398
10	410	410	410	407	400	400	403	406	387	381	398	402	407	411	410	405	393	378	376	378	376	384	390	402	397
11	401	401	415	431	438	422	415	405	379	379	380	331	347	382	392	389	382	380	374	378	375	374	380	391	389
12	402	410	417	414	430	431	388	350	376	381	372	339	339	364	382	395	398	396	390	384	379	386	394	398	388
13	396	392	397	396	396	395	396	396	395	394	390	390	395	380	379	383	380	374	372	368	370	374	384	391	387
14	396	399	401	399	396	395	395	395	388	391	383	380	380	376	382	389	380	366	358	358	364	371	374	388	384
15	402	404	408	408	400	396	395	393	390	387	388	390	395	400	400	400	396	388	373	363	356	360	370	383	389
16 D	401	402	396	391	390	390	388	389	388	388	386	382	378	378	376	341	314	330	350	354	375	395	406	425	380
17 D	469	542	636	624	574	622	488	400	316	354	415	410	392	422	431	412	356	298	318	349	383	410	434	451	438
18	439	427	418	420	418	424	425	400	389	364	388	398	389	377	396	403	398	382	375	378	382	384	394	400	399
19	404	408	408	406	406	406	405	402	403	396	366	382	397	402	403	400	394	385	375	368	378	391	409	421	396
20	412	408	401	400	404	422	456	413	365	404	412	416	415	413	411	409	403	393	384	386	390	399	407	424	406
21 D	420	426	423	425	426	400	407	404	348	334	360	386	397	400	398	392	395	382	375	383	389	389	400	414	395
22	427	433	429	412	412	403	402	402	401	394	397	400	404	404	402	401	396	388	382	388	397	396	400	403	403
23	408	405	403	406	404	403	398	390	391	390	391	394	397	400	400	397	388	375	372	379	386	391	397	399	394
24 Q	396	394	394	395	395	394	395	391	388	389	370	384	391	396	394	389	384	379	374	376	382	385	390	394	388
25 Q	395	394	392	391	392	392	392	393	394	395	394	393	392	394	396	394	388	380	370	368	369	372	377	382	388
26 Q	387	389	387	385	386	387	388	390	390	390	391	390	390	392	392	386	383	374	360	354	358	366	376	388	382
27	399	405	410	409	400	394	392	393	394	390	389	384	390	394	396	393	386	374	376	372	369	373	378	386	389
28	393	390	394	400	415	413	405	359	381	392	393	395	391	386	368	373	376	374	369	374	378	384	391	396	387
29 D	404	395	394	387	393	485	473	432	413	410	403	400	398	404	409	399	391	378	379	386	390	406	414	426	407
30 D	457	469	502	507	453	478	405	254	231	246	275	283	330	312	344	358	388	393	384	390	394	398	400	406	377
31	412	416	420	423	425	427	422	416	368	360	380	383	383	397	402	405	405	402	398	394	393	396	402	400	401
Mean	409	413	416	415	412	416	407	391	378	377	381	379	386	390	394	393	388	379	374	374	378	384	392	401	393

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Victoria — H = 18,443 γ + — September 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	315	317	313	313	317	317	321	323	321	321	325	327	328	327	323	317	304	292	286	291	301	309	311	316	314
2	322	322	317	321	322	322	327	324	329	326	331	330	341	333	331	309	303	293	287	289	295	313	311	269	315
3 D	314	310	302	290	285	272	305	303	319	322	327	337	327	325	327	311	288	264	259	275	292	307	328	331	305
4 D	322	305	321	323	310	295	285	229	165	235	265	283	255	281	307	301	307	263	214	182	214	245	267	286	269
5 D	354	349	364	369	294	294	264	190	57*	42*	122	184	219	282	257	227	308	293	235	278	308	329	311	295	259
6	261	283	300	293	297	289	279	259	287	295	294	293	294	295	290	285	282	267	262	255	274	286	282	293	283
7 D	299	300	297	301	302	301	319	309	314	314	315	308	249	307	313	316	295	269	259	273	267	263	287	312	295
8	294	291	302	297	291	297	304	321	291	300	307	300	309	317	323	311	288	293	287	263	263	285	304	317	298
9	319	314	305	311	295	295	307	305	304	305	309	315	315	313	325	320	301	274	251	263	275	275	295	304	300
10	311	313	314	323	317	315	310	312	322	317	323	323	325	324	319	281	269	275	268	284	294	301	298	297	306
11	324	308	286	293	312	310	310	302	312	320	320	326	321	323	320	313	283	274	272	279	285	278	290	289	302
12	306	307	313	310	305	310	311	297	290	294	312	321	320	318	316	308	309	297	282	276	279	294	308	316	304
13	322	306	304	300	290	284	300	286	309	302	310	311	313	317	302	302	291	282	281	284	290	294	307	312	300
14	301	286	298	298	287	294	303	306	314	319	318	326	322	324	322	318	304	285	281	282	286	292	300	307	303
15 Q	312	310	311	313	313	312	317	318	328	330	336	334	334	332	329	322	310	303	296	296	296	301	308	312	316
16 Q	318	320	328	328	329	329	330	332	336	338	341	340	336	333	332	322	320	320	308	302	301	304	310	318	324
17	321	326	331	320	324	328	330	334	337	339	338	338	338	338	335	332	322	310	310	305	297	296	304	320	324
18	322	308	296	310	294	302	316	315	315	325	332	332	328	326	318	310	296	294	291	292	298	302	306	302	310
19 Q	306	312	319	320	320	321	324	327	328	330	330	332	330	328	324	318	304	297	290	286	292	298	310	318	315
20	325	323	326	327	328	327	327	331	335	337	337	336	335	332	329	318	303	289	279	291	304	314	321	318	320
21	322	330	328	328	329	328	330	331	340	346	350	347	343	344	345	329	316	309	301	294	294	296	306	304	325
22	313	319	322	321	317	324	315	320	324	324	327	329	327	327	335	327	311	300	294	291	287	299	303	307	315
23	296	288	287	305	317	323	322	305	295	315	332	331	330	332	331	323	303	290	282	287	290	295	309	308	308
24	302	318	310	291	308	309	305	293	288	301	296	322	321	325	323	317	291	286	286	277	282	291	306	315	303
25 Q	317	317	316	317	319	317	317	318	320	322	324	325	327	327	325	317	307	295	287	281	283	295	308	320	312
26	323	320	327	331	331	331	325	322	323	316	325	331	334	333	327	321	319	315	309	302	297	298	299	305	319
27	301	306	294	293	305	301	301	295	299	303	310	312	319	319	317	312	307	298	287	280	295	302	308	309	303
28	313	315	313	314	317	321	319	317	316	323	301	322	329	329	323	314	312	307	310	315	317	315	317	311	316
29	317	321	320	322	323	324	325	321	311	307	312	316	319	315	343	331	314	308	310	317	323	309	293	302	317
30 D	299	287	299	287	293	298	302	317	314	317	325	323	319	325	315	322	315	286	268	273	257	269	301	309	301
31																									
Mean	312	311	312	312	310	310	312	305	301	306	313	318	317	322	321	312	303	291	281	282	288	295	304	307	306

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Victoria — D = 22° 30'.0 + E — September 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	18.3	18.2	18.3	18.7	18.3	18.3	18.4	19.2	19.4	19.9	20.0	20.7	20.7	23.3	23.4	25.8	26.2	24.0	20.0	17.4	16.5	16.3	16.8	18.2	19.8
2	18.2	18.0	17.8	17.5	18.8	21.6	19.0	18.0	18.0	20.0	20.4	21.9	20.1	22.6	27.8	27.8	29.6	27.0	18.6	16.2	16.5	15.1	14.7	15.5	20.0
3 D	13.0	19.3	17.4	18.0	30.4	26.3	32.2	19.8	19.2	20.0	19.1	19.1	17.4	19.9	24.7	26.5	27.3	23.6	18.2	13.8	14.1	13.9	16.5	18.9	20.4
4 D	20.8	20.4	17.4	17.4	18.5	25.2	19.5	17.5	18.1	31.3	27.8	22.5	29.5	31.1	27.8	27.3	26.4	23.9	16.7	21.6	19.9	20.8	21.7	21.5	22.7
5 D	17.2*	14.4*	23.2*	37.4*	29.5*	21.5*	35.8*	18.4*	19.2*	36.7*	38.2	26.3*	33.6	29.3	29.5	30.4	31.0	26.7	20.7	13.5	14.3	16.4	18.2	17.2	24.9
6	19.5	19.0	17.5	26.2	19.1	19.8	18.2	19.1	19.1	19.3	20.0	20.1	21.7	24.3	26.8	27.8	27.1	22.5	19.8	16.0	13.7	12.9	14.8	20.8	20.2
7 D	18.1	18.2	20.1	19.1	18.4	20.0	21.1	19.1	18.6	18.3	20.1	17.5	9.6	21.7	23.6	30.3	32.9	28.7	22.6	19.1	17.4	14.1	15.0	14.8	19.9
8	17.2	18.2	20.0	20.8	21.4	20.8	19.9	18.9	13.9	22.6	20.8	13.8	17.7	20.0	25.7	27.8	25.8	25.2	23.8	23.4	19.1	16.5	15.6	15.7	20.2
9	17.3	17.4	21.0	27.8	24.4	18.5	24.1	20.0	20.8	19.6	20.0	20.0	19.3	19.0	26.9	28.8	29.7	27.9	21.6	16.5	15.1	13.8	13.0	16.0	20.8
10	17.5	18.5	18.5	18.3	18.2	19.1	22.0	14.9	17.2	19.5	19.5	22.8	21.5	24.2	26.0	25.2	22.6	21.3	17.0	8.7	10.4	12.1	13.1	16.4	18.5
11	17.3	19.1	19.3	18.9	17.5	17.5	19.9	20.0	18.8	19.1	20.0	20.2	20.9	23.4	25.2	27.8	28.5	23.4	17.5	13.9	13.9	13.0	12.4	15.5	19.3
12	17.0	21.2	20.3	19.3	18.4	19.0	20.8	23.4	24.6	22.6	20.0	19.5	19.2	20.8	23.5	25.9	26.8	25.2	23.4	20.4	18.2	17.5	17.3	18.3	20.9
13	19.1	19.1	18.1	15.6	19.2	15.0	23.9	19.2	23.5	20.8	25.6	25.2	22.6	24.1	22.0	26.0	27.0	25.5	22.6	20.8	17.6	16.5	15.0	14.8	20.8
14	14.3	16.5	17.4	20.0	26.8	19.2	19.4	19.1	19.4	20.8	19.4	20.0	22.5	22.6	24.1	26.2	27.8	27.6	24.3	21.8	20.0	18.6	18.2	18.3	21.0
15 Q	18.4	17.7	17.6	17.8	18.2	20.7	18.4	19.0	19.0	19.5	20.0	21.0	21.7	22.6	23.5	25.9	26.4	25.2	22.6	20.8	19.2	18.9	18.5	18.1	20.4
16 Q	16.7	15.9	15.7	16.6	17.4	17.5	18.2	18.3	18.7	19.2	19.5	20.2	21.7	22.5	24.3	26.9	25.9	24.5	21.7	20.0	18.5	17.4	16.6	15.6	19.6
17	15.5	15.6	16.5	17.4	17.4	17.9	18.2	18.7	18.9	19.4	20.0	20.7	21.5	22.6	25.2	27.3	27.6	25.2	20.9	20.0	18.3	14.2	13.0	11.5	19.3
18	9.8	10.4	17.2	15.6	17.4	20.1	17.4	18.4	19.7	20.9	18.4	21.7	22.0	22.6	24.3	25.0	24.3	22.6	20.0	19.0	17.5	17.3	17.1	16.5	19.0
19 Q	16.6	17.2	17.1	17.3	17.3	17.4	18.7	17.8	18.8	19.9	20.0	20.3	21.1	22.6	23.4	25.8	27.1	24.3	20.1	16.7	14.6	14.2	14.9	16.5	19.2
20	17.6	17.8	17.5	17.9	18.5	18.6	18.7	18.9	20.0	19.4	19.3	21.7	21.7	22.3	24.1	25.3	25.7	24.1	19.5	15.6	15.0	14.6	14.6	16.1	19.4
21	16.9	17.3	17.3	17.7	18.2	18.7	18.4	18.9	19.4	18.3	22.1	23.5	24.5	24.2	24.7	27.8	25.2	24.1	22.6	19.9	16.4	14.1	13.3	13.9	19.9
22	13.6	14.9	17.1	17.4	17.4	18.2	20.4	19.1	19.1	19.8	19.9	20.0	20.8	22.5	25.0	29.0	29.5	27.6	23.4	20.7	15.9	11.5	11.4	11.3	19.4
23	12.4	11.8	16.4	19.1	18.8	18.2	18.4	23.5	26.0	20.9	16.5	21.7	21.5	21.7	23.9	26.9	28.6	26.1	23.4	19.4	16.6	15.3	13.6	13.0	19.7
24	10.8	9.7	8.8	15.6	15.6	17.8	27.8	30.4	23.4	18.3	24.2	21.9	22.6	22.5	24.3	26.0	25.5	17.3	18.2	16.7	14.8	14.4	14.9	15.6	19.0
25 Q	17.4	18.6	19.0	19.1	19.2	19.2	19.1	19.1	19.1	19.8	20.0	19.9	20.4	21.3	23.3	25.2	26.1	25.2	23.4	20.2	17.2	15.6	15.6	16.2	20.0
26	16.6	18.5	19.8	17.8	18.2	17.7	18.1	20.0	24.1	22.6	20.0	19.1	18.5	20.8	22.6	24.3	25.1	24.3	23.3	21.6	19.1	15.6	14.8	13.1	19.8
27	14.8	13.7	11.3	17.4	20.8	16.4	17.4	18.1	22.8	23.5	22.6	20.0	19.2	20.0	20.8	22.6	23.2	22.7	21.2	16.5	14.8	15.0	16.4	17.3	18.7
28	18.0	19.0	19.1	19.1	18.7	18.2	19.1	19.3	19.1	22.6	27.0	23.5	22.4	21.6	21.9	20.8	23.7	23.3	21.3	19.1	18.2	18.2	18.3	19.1	20.4
29	19.1	18.5	18.4	18.9	18.2	18.4	18.9	18.1	22.6	25.3	27.8	27.5	26.9	26.0	26.9	24.2	23.4	20.8	18.1	15.6	16.5	15.6	14.8	14.8	20.6
30 D	13.6	16.7	19.4	22.5	19.1	18.2	18.2	18.4	15.7	19.1	22.5	23.7	21.1	22.7	18.2	20.0	23.2	20.0	18.2	13.8	14.7	12.4	14.6	15.8	18.4
31																									
Mean	16.4	17.0	17.8	19.4	19.6	19.2	20.6	19.4	19.9	21.3	21.7	21.2	21.5	22.8	24.4	26.2	26.6	24.3	20.8	18.0	16.5	15.4	15.5	16.2	20.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Victoria $Z = 52967\gamma +$ September 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	Q	406	405	402	400	400	399	399	399	398	399	400	400	401	401	399	400	395	389	387	392	392	389	393	396	398
2		401	396	395	397	398	399	397	398	392	381	384	386	378	358	353	362	369	370	371	375	383	391	406	415	386
3	D	440	473	454	444	441	422	384	353	402	414	413	409	402	395	403	408	405	398	395	395	402	414	421	423	413
4	D	425	411	412	407	412	434	423	357	294	292	268	357	286	302	366	382	389	378	372	393	443	365	536	533	389
5	D	581	598	619	471	489	466	405*	75*	-155*	-5*	175*	278	309	449	466	436	480	492	490	514	512	514	510	529	404
6		430	428	422	428	426	429	441	430	428	422	422	422	418	418	412	411	407	393	390	396	405	414	427	449	420
7	D	431	420	414	413	410	411	408	395	401	397	396	378	300	346	371	395	399	392	387	392	398	403	411	420	395
8		420	418	418	421	421	428	423	411	357	392	405	381	389	386	400	406	400	394	394	390	397	404	408	410	403
9		414	415	423	426	425	424	427	404	401	402	401	408	402	391	402	409	405	399	397	399	399	401	407	411	408
10		411	410	406	405	407	409	409	409	393	400	397	393	403	405	406	400	387	372	368	370	381	392	401	410	398
11		416	415	424	425	415	411	412	413	413	410	408	408	405	407	407	409	400	385	376	376	382	390	401	407	405
12		412	420	418	414	410	410	412	403	395	400	406	409	405	403	404	394	394	392	391	392	400	404	408	410	404
13		416	417	419	426	442	440	432	415	411	398	389	398	405	411	404	410	412	408	404	406	416	416	423	424	414
14		433	416	409	415	424	419	418	418	413	409	408	390	397	405	410	415	418	409	406	409	410	413	412	410	412
15	Q	406	402	402	403	404	406	405	406	406	404	403	402	401	402	403	404	403	398	392	386	385	386	390	392	400
16	Q	392	392	395	396	396	397	396	395	395	395	396	395	395	396	398	398	393	380	375	375	375	378	381	385	390
17		385	387	394	393	394	394	393	394	393	393	393	393	393	392	392	390	378	372	374	377	373	378	388	400	388
18		404	408	432	424	436	425	412	408	408	393	365	381	392	396	396	396	393	390	390	390	393	394	395	396	401
19	Q	398	397	398	399	400	401	402	400	398	396	395	394	393	393	394	394	388	380	374	374	378	380	388	392	392
20		394	392	392	394	395	395	394	395	394	393	388	386	390	392	396	396	390	384	377	370	374	376	380	385	388
21		390	390	391	393	393	392	393	393	394	391	375	372	370	381	387	386	383	378	374	370	368	374	387	393	384
22		397	398	399	399	400	397	395	400	398	398	396	394	392	392	395	395	390	385	375	372	372	376	383	395	391
23		399	409	425	422	412	405	404	410	401	404	372	380	392	397	400	402	400	395	388	383	382	384	390	394	398
24		395	405	423	419	409	415	425	401	400	344	334	398	405	406	408	406	402	396	390	392	395	401	406	408	399
25	Q	401	398	397	397	396	395	396	396	397	397	397	396	394	394	395	395	391	386	384	381	385	392	396	398	394
26		396	397	400	395	392	392	394	397	388	385	392	393	392	392	394	395	394	392	388	382	382	385	395	404	392
27		416	425	425	425	425	420	422	384	376	392	393	396	398	400	402	403	400	396	393	394	397	398	398	398	403
28		400	401	400	398	397	396	395	396	396	373	369	392	396	398	398	394	394	393	390	386	386	390	395	397	393
29		397	396	396	395	395	394	393	394	391	398	398	397	394	385	370	375	382	378	380	384	388	388	393	405	390
30	D	415	420	433	430	432	426	420	409	380	371	377	364	350	308	312	325	352	364	373	383	384	400	402	405	385
31																										
Mean		414	415	418	412	413	412	408	389	375	378	380	388	385	390	395	396	396	391	388	390	395	400	408	413	398

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 28 Victoria — H = 18,443 γ + — October 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	D	304	288	288	284	283	280	268	262	210	261	308	304	300	277	295	308	269	278	252	253	251	254	298	301	278
2		288	289	290	280	279	276	267	248	218	258	266	290	224	290	242	256	251	250	254	292	295	299	308	306	272
3		300	310	308	308	310	309	310	308	310	311	303	314	308	319	320	313	300	296	292	290	292	302	312	310	306
4		314	314	318	320	319	318	313	316	312	316	321	328	324	328	330	284	284	269	270	220	245	280	260	278	299
5		296	289	295	292	282	278	295	288	288	304	314	319	322	305	300	306	300	280	281	283	284	290	251	254	292
6	D	287	312	264	210	262	253	278	311	287	304	264	102	289	179	64	88	114	158	242	179	168	208	252	519*	233
7	D	529*	649*	260	274*	268	257	180	225	217	157	156	154	259	121	32	79	184	192	199	224	238	238	253	272	234
8		263	254	270	266	274	288	288	291	290	297	282	295	300	272	265	284	281	258	253	230	240	256	268	284	273
9		279	262	260	302	271	262	262	286	296	299	274	290	284	284	262	278	285	264	265	250	254	256	266	276	274
10		289	284	279	289	287	294	298	296	295	299	304	307	309	308	304	298	288	275	266	259	262	262	272	279	288
11		278	288	291	295	295	293	304	289	287	295	308	306	309	309	306	313	307	296	281	279	281	283	288	296	295
12	Q	303	308	308	310	310	310	311	313	316	320	322	326	324	322	320	318	318	313	300	294	294	288	296	302	310
13	Q	313	324	326	324	320	322	323	322	324	326	326	325	324	330	332	330	324	317	307	295	298	305	315	318	320
14	Q	323	328	325	328	329	329	330	331	331	331	333	330	331	329	329	327	327	319	308	302	301	302	305	317	323
15		322	331	333	335	334	335	335	337	338	338	333	334	330	331	328	324	308	259	261	270	283	283	281	279	314
16		292	303	308	308	311	312	315	314	317	317	317	318	316	316	321	321	313	303	290	283	283	289	291	299	306
17		298	308	318	317	319	317	314	314	321	324	325	321	321	321	315	319	318	307	290	279	285	293	302	304	310
18		308	303	300	297	303	296	292	288	269	308	295	301	313	315	304	311	297	259	247	237	251	261	287	303	289
19		294	291	297	301	295	286	296	303	311	317	319	323	324	323	322	318	303	297	287	278	285	287	293	303	302
20		309	309	305	302	298	301	291	295	297	315	323	320	321	323	325	313	311	305	287	286	289	293	291	301	305
21		303	304	306	309	310	310	310	331	308	310	316	324	324	322	320	316	310	300	290	292	295	290	300	305	308
22	Q	310	316	319	318	316	314	316	320	324	324	326	328	330	330	330	326	318	310	304	302	301	306	315	321	318
23	Q	326	330	331	331	330	330	328	328	330	332	334	336	336	334	332	328	324	315	307	307	312	310	316	322	325
24		324	329	330	328	327	328	330	330	330	332	340	338	338	338	338	320	251	298	288	298	294	288	286	292	316
25	D	303	313	315	318	318	310	288	242	254	269	213	213	262	288	244	194	54	59	177	268	220	260	267	240	245
26	D	232	227	258	256	256	262	248	233	248	219	222	182	211	278	230	276	289	293	286	262	280	275	268	291	253
27		275	266	278	290	308	300	294	296	310	291	278	283	304	298	288	284	257	266	261	243	256	262	274	276	281
28		294	281	252	278	288	274	278	282	254	249	267	273	292	298	316	294	284	244	256	295	296	302	304	306	282
29		297	269	313	312	307	298	308	320	298	297	283	274	278	265	307	313	256	276	277	278	266	276	286	296	290
30		296	290	284	303	300	314	324	288	300	275	270	301	308	311	292	288	282	284	280	280	274	296	306	292	293
31		276	298	300	300	309	304	318	323	310	306	298	312	316	310	300	310	303	270	241	266	282	299	296	296	298
Mean		304	309	298	300	301	299	297	298	294	297	295	293	304	299	288	288	278	271	271	270	273	280	287	301	291

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 29 Victoria — D = 22° 30'.0 + E — October 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	14.7	16.4	14.0	18.2	23.0	25.9	26.2	26.9	21.6	37.9	28.9	26.8	19.9	12.8	16.8	17.6	17.2	19.9	19.7	17.3	16.0	16.3	17.1	16.7	20.3
2	18.8	21.8	30.3	20.6	20.6	21.6	25.6	23.5	13.5	25.5	33.7	28.5	16.7	19.7	9.6	9.8	13.8	19.8	16.1	19.9	20.7	19.9	19.9	20.6	20.4
3	20.3	19.9	19.0	19.9	20.3	20.3	22.1	19.3	19.7	18.2	18.9	25.1	17.2	21.6	23.3	24.1	22.5	21.8	20.6	18.1	15.6	16.4	17.3	18.9	20.0
4	18.8	19.0	19.1	19.0	18.8	18.9	19.0	19.9	19.9	19.0	18.3	19.9	22.5	23.1	20.0	18.0	19.9	21.5	8.6	14.5	8.6	10.4	15.6	15.6	17.8
5	17.4	19.5	19.0	19.0	21.6	20.7	22.5	22.5	15.6	17.3	22.4	22.7	22.5	19.1	18.4	22.2	25.9	22.8	22.5	20.7	17.3	16.7	18.2	15.6	20.1
6 D	17.1	16.4	21.5	45.6	25.9	23.3	26.8	26.1	23.4	26.6	22.5	24.0	27.0	11.2	13.2	12.1	12.4	24.0	12.9	14.7	15.6	17.1	14.1	21.6	20.6
7 D	16.1	5.8	15.5	23.3	13.6	31.3	37.2	19.9	23.5	29.4	22.5	20.8	15.5	12.1	3.3	4.1	4.2	22.5	19.0	19.9	21.3	19.9	17.4	20.6	18.3
8	15.3	21.1	20.7	18.1	18.9	18.1	17.2	19.9	12.2	19.9	4.6	18.9	17.4	19.9	15.5	18.8	21.7	20.7	21.3	18.8	17.3	17.3	15.7	18.1	17.8
9	17.4	18.9	21.6	26.2	19.9	28.4	26.1	22.5	19.9	16.5	18.3	23.3	16.2	18.1	16.4	18.9	20.7	20.7	19.4	20.9	19.0	18.1	19.3	17.3	20.2
10	15.5	16.0	20.7	22.9	19.1	20.6	18.1	19.8	19.7	19.9	19.9	19.8	19.9	20.3	21.6	24.2	26.9	26.8	24.0	21.3	19.0	18.1	17.4	17.3	20.4
11	19.3	18.1	17.4	19.0	19.1	21.4	31.8	21.9	24.3	13.9	23.1	23.5	20.7	21.9	20.6	20.8	23.5	24.2	23.8	21.5	19.0	18.1	18.0	17.9	21.0
12 Q	18.1	18.4	18.6	19.0	18.9	19.0	19.2	19.3	19.6	19.6	20.3	20.0	20.5	20.7	21.7	22.9	23.9	25.0	24.0	22.7	19.9	18.8	17.2	17.1	20.2
13 Q	17.0	17.1	18.0	18.4	18.4	18.6	18.0	18.7	19.2	19.7	20.0	20.0	20.0	20.3	21.4	22.3	24.4	25.0	25.1	22.3	18.7	17.4	16.4	15.8	19.7
14 Q	16.0	16.8	18.0	18.1	18.2	18.8	19.0	19.1	19.4	19.8	19.9	19.9	19.9	20.0	20.7	22.3	24.1	25.2	25.9	23.5	20.7	18.3	17.3	15.5	19.8
15	15.6	15.5	16.3	16.7	16.4	16.5	17.4	18.0	18.4	19.3	19.2	21.9	24.2	26.0	23.5	24.8	26.2	20.0	16.9	18.1	18.1	17.3	15.5	16.3	19.1
16	16.3	17.3	17.1	18.2	18.1	19.1	19.0	19.7	19.7	19.9	19.8	19.6	19.0	16.4	19.0	23.3	25.1	25.1	23.3	20.8	18.9	16.4	17.1	15.7	19.3
17	16.8	17.7	18.0	18.1	18.3	19.0	19.0	19.8	21.6	23.3	22.3	20.6	19.9	19.7	19.7	19.8	22.3	23.8	21.7	19.0	17.3	15.7	15.3	16.5	19.4
18	16.3	17.3	24.0	16.2	16.5	19.0	20.7	22.5	20.1	28.7	27.7	28.3	24.1	22.7	16.8	17.8	20.8	15.5	16.4	12.4	15.7	13.9	15.5	16.1	19.4
19	17.3	18.7	19.9	19.9	19.9	26.0	19.9	18.1	19.2	19.9	19.8	18.6	20.1	21.9	22.0	22.6	20.7	22.4	21.4	18.1	16.3	16.0	16.4	17.3	19.7
20	17.8	18.2	18.8	19.2	18.1	23.3	19.0	22.5	21.6	21.7	23.3	22.5	23.1	21.9	23.1	18.1	18.1	22.5	20.9	18.1	17.3	16.4	16.1	16.5	19.9
21	16.2	16.4	18.1	19.0	18.9	18.7	19.1	19.8	21.6	21.6	17.4	18.1	19.9	20.7	21.6	23.2	23.3	23.3	19.8	17.2	16.4	16.2	16.4	17.6	19.2
22 Q	18.1	18.3	19.0	19.0	19.3	19.8	18.6	18.1	18.1	18.5	18.7	19.0	19.8	19.9	21.5	23.4	24.3	24.2	21.6	19.7	18.1	18.1	18.1	17.3	19.6
23 Q	16.9	17.3	18.1	18.2	18.5	18.6	18.6	18.9	19.0	19.0	19.2	19.9	20.1	20.6	21.6	22.5	23.2	23.4	21.8	19.0	17.6	17.3	17.2	15.7	19.3
24	15.7	17.1	18.1	18.1	18.7	19.0	19.0	18.8	18.8	18.2	18.9	20.7	20.7	21.6	19.9	19.0	19.0	12.8	14.0	16.3	19.0	19.0	18.4	18.1	18.3
25 D	18.6	17.4	18.0	18.2	19.1	19.9	24.5	38.0	33.7	30.4	29.4	38.9	36.2	37.2	11.3	15.5	3.2	-14.7	2.6	14.7	16.4	14.1	19.7	18.1	20.0
26 D	16.6	25.1	28.7	29.4	31.0	32.3	16.4	32.8	20.6	31.8	22.5	18.2	10.4	14.6	5.9	8.0	12.9	20.7	24.2	23.1	20.9	18.1	19.9	18.1	20.9
27	18.3	22.5	20.7	26.8	19.3	19.4	19.9	20.7	18.1	16.3	15.5	18.1	27.6	22.2	20.7	19.0	14.7	11.3	17.4	14.0	16.4	17.4	19.7	18.0	18.9
28	18.3	17.4	26.3	21.6	20.9	26.4	29.4	22.6	26.7	27.7	29.3	21.6	12.3	13.8	10.7	10.3	14.7	19.0	15.6	17.3	19.0	20.6	21.4	21.6	20.2
29	20.0	26.1	19.7	19.7	19.8	25.1	30.5	28.4	24.9	19.8	21.6	28.4	21.3	13.0	19.3	19.7	9.3	13.1	17.3	19.0	18.2	20.1	21.5	21.1	20.7
30	20.6	21.6	24.3	19.9	19.0	25.7	18.1	24.2	16.2	17.0	18.1	19.0	26.8	24.6	16.3	16.3	17.4	19.0	17.4	16.2	15.5	17.4	19.2	20.7	19.6
31	27.6	21.6	19.9	22.8	22.0	19.8	24.2	21.5	19.9	17.4	11.4	18.0	22.5	21.7	18.1	19.3	21.0	19.9	15.7	12.8	16.4	17.4	18.9	20.3	19.6
Mean	17.7	18.4	20.0	20.9	19.7	21.8	22.0	22.1	20.3	21.7	20.9	22.1	20.8	20.0	17.8	18.7	19.3	20.0	19.1	18.4	17.6	17.2	17.6	17.9	19.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 30 Victoria $Z = 52967\,\gamma +$ October 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	D	410	422	431	464	442	396	398	410	340	305	368	356	333	288	290	353	361	374	390	401	403	412	419	416	383
2		413	425	434	436	440	440	432	394	321	279	310	304	195	298	260	293	334	370	390	405	411	413	419	422	368
3		411	406	402	402	402	403	403	400	399	388	338	348	354	376	388	395	395	395	392	390	392	392	395	396	390
4		396	394	395	396	395	396	398	394	396	389	376	382	386	391	389	361	362	362	376	365	399	402	412	424	390
5		429	429	427	420	428	417	404	408	389	368	392	396	397	389	379	387	396	394	392	390	390	391	398	416	401
6	D	413	415	432	457	410	393	400	323	358	402	346	-65	240	103	-75	117	160	268	352	356	385	444	480	638	323
7	D	635*	745*	585	495	638	537	417	485	432	300	242	221	293	230	192	253	297	372	415	426	434	437	457	462	417
8		455	466	454	446	443	430	415	425	399	406	358	378	389	380	382	394	405	411	414	414	420	430	438	445	416
9		442	445	458	447	438	450	436	416	415	398	351	350	382	382	384	382	400	405	410	412	418	426	442	445	414
10		438	437	444	448	437	432	424	420	420	420	420	419	419	420	420	422	420	416	412	410	414	417	422	426	424
11		432	436	430	430	430	432	427	367	407	386	380	396	396	396	405	411	412	412	413	411	411	413	414	415	411
12	Q	415	415	417	417	416	415	415	416	417	412	411	409	409	411	415	415	415	411	412	403	403	405	405	406	412
13	Q	408	411	410	410	409	413	413	413	413	413	413	412	411	415	409	410	409	407	402	392	385	386	392	396	406
14	Q	402	404	405	405	405	405	405	404	404	404	404	404	404	404	405	408	408	405	398	388	385	385	386	392	401
15		400	403	404	405	405	405	408	406	405	403	400	377	372	380	388	396	389	380	382	388	396	398	404	410	396
16		413	413	415	415	415	414	412	410	409	407	406	405	400	384	395	400	404	404	398	392	392	394	398	402	404
17		405	408	410	408	408	408	408	408	402	398	398	401	402	403	405	405	408	404	397	392	391	393	397	399	402
18		403	415	426	427	426	433	432	422	394	387	373	380	394	404	393	385	400	392	393	392	402	425	432	425	406
19		425	422	422	422	424	428	427	421	416	412	409	401	395	398	405	406	404	398	396	390	396	402	404	404	410
20		405	408	409	410	414	416	412	416	418	400	392	396	398	392	383	388	384	392	390	392	402	408	408	410	402
21		414	412	412	412	410	410	412	392	384	397	398	390	399	402	404	406	405	402	396	394	394	395	400	402	402
22	Q	404	404	404	404	404	406	406	406	400	403	403	402	401	400	400	403	405	402	400	403	404	404	401	399	403
23	Q	399	399	400	398	399	400	400	400	400	400	399	398	397	396	397	399	398	394	388	388	389	387	391	393	396
24		395	397	397	397	397	397	398	398	398	398	394	386	385	388	396	389	377	375	375	388	395	401	402	402	393
25	D	401	402	401	401	402	402	416	396	428	413	287	289	297	314	256	257	280	274	347	400	402	424	434	436	365
26	D	447	489	516	488	484	470	336	350	284	261	227	183	223	282	288	312	348	376	393	402	416	413	419	422	368
27		418	425	436	438	414	421	420	412	398	362	279	277	279	342	366	375	377	360	377	381	390	413	425	419	384
28		421	422	438	440	434	421	394	371	355	310	249	199	169	232	273	284	314	341	375	389	397	406	405	405	352
29		407	422	421	412	408	411	405	394	379	346	260	213	273	283	352	378	347	349	365	380	391	406	420	422	368
30		414	411	417	419	413	413	382	359	326	310	299	270	297	346	346	362	369	380	376	378	386	399	406	406	370
31		422	424	418	420	416	412	404	380	375	382	350	364	380	379	378	381	381	374	364	378	385	398	400	404	390
Mean		422	430	428	425	426	420	408	400	390	376	356	337	351	355	351	365	373	381	390	393	399	407	414	421	392

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Victoria — H = 18,443 γ + — November 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		304	305	316	304	320	313	305	310	312	313	314	316	322	325	317	312	312	304	291	279	280	284	295	303	306
2		308	314	306	303	304	302	312	305	295	296	302	307	309	319	316	314	310	298	282	274	272	274	288	300	300
3		302	276	294	310	306	305	305	310	327	308	300	306	318	322	322	316	302	292	279	276	270	276	277	286	299
4	D	279	282	268	268	262	277	269	239	278	288	280	294	306	296	267	271	286	268	258	256	264	279	278	290	275
5		302	305	302	287	292	283	290	286	280	294	304	312	306	303	313	309	302	290	280	276	278	286	295	303	295
6		308	310	312	311	310	309	304	294	302	308	316	318	323	317	316	315	308	298	284	278	280	289	302	305	305
7	Q	307	310	299	304	307	300	290	294	294	311	314	317	322	323	323	318	310	302	292	286	288	298	308	317	306
8	Q	321	324	325	326	326	322	321	322	330	329	330	332	333	332	330	328	322	312	301	292	290	297	302	304	319
9	Q	310	312	311	312	307	311	321	317	319	322	324	330	328	329	329	328	323	314	306	300	296	297	304	314	315
10		318	322	324	327	327	327	328	337	337	343	342	342	348	348	341	340	333	319	312	311	315	318	328	338	330
11		341	334	338	340	336	332	320	313	320	338	329	323	324	331	328	325	316	308	299	295	296	300	306	308	321
12		313	315	320	318	317	314	312	321	318	319	319	320	326	336	346	347	342	218	48	291	324	312	291	278	303
13	D	377*	294	316	432*	399*	367*	587*	-73*	227	-713*	-113*	-13*	-63*	-53*	87*	-53*	263	272	244	218	266	260	267	255	169
14	D	255	268	260	253	260	270	276	258	256	256	262	258	263	264	256	265	274*	247*	232*	232*	222*	247*	247*	257*	256
15	D	271	275	290	292	300	297	301	279	282	282	294	276	280	252	239	247	173	213	203	232	206	232	252*	262*	260
16	D	446*	385	547	351	254	280	272	232	295	260	248	275	259	230	248	272	287	282	276	264	272	288	295	300	297
17		291	292	307	313	308	311	305	306	324	324	309	306	307	307	313	307	291	269	265	277	281	282	290	301	299
18	Q	309	311	312	321	323	320	321	322	321	320	320	322	322	321	319	315	312	311	311	310	310	312	315	319	317
19	Q	324	329	332	333	334	336	334	335	334	335	345	349	345	347	337	330	324	315	308	307	312	326	333	338	331
20		338	332	328	330	329	325	318	316	321	329	326	330	342	340	350	356	348	342	334	326	321	320	338	345	333
21		341	345	345	343	330	327	306	310	289	315	324	294	290	344	327	294	269	244	261	278	284	293	289	279	305
22		275	269	258	274	281	309	282	277	263	289	286	289	297	294	299	301	293	287	282	279	284	286	289	299	285
23		300	300	292	294	297	292	288	286	292	294	301	301	303	304	306	307	304	296	289	284	283	290	290	296	295
24		297	301	300	308	310	303	295	313	294	294	294	301	315	322	322	330	333	328	319	317	313	306	286	260	307
25		275	295	288	248	249	274	280	287	275	283	260	286	297	289	284	299	279	255	266	238	227	237	252	263	270
26		278	282	275	268	296	296	296	299	299	292	290	299	293	310	311	308	308	306	302	287	270	283	283	289	292
27		289	299	306	304	305	292	300	298	304	305	297	309	314	312	313	317	296	276	255	283	287	271	280	289	296
28		263	295	303	300	292	299	303	289	286	274	288	294	298	292	311	303	301	296	290	285	287	291	297	303	293
29		299	304	308	309	312	310	310	305	307	309	308	304	314	322	323	313	308	301	293	293	291	293	300	306	306
30		310	312	313	309	303	309	307	310	313	309	308	314	315	314	314	314	314	304	293	298	303	303	296	297	308
31																										
Mean		308	307	313	310	306	307	312	287	300	271	291	297	298	300	304	298	301	289	275	281	282	288	292	297	296

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 32 Victoria D = 22° 30'.0 + E November 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	19.9	19.0	19.0	19.7	26.0	21.5	19.0	17.7	18.8	18.1	19.0	17.5	16.4	20.7	21.2	19.9	22.5	24.2	22.4	19.9	19.0	18.2	19.0	18.2	19.9
2	18.3	18.2	18.1	19.0	18.1	19.3	22.5	17.2	13.7	19.9	23.5	25.1	24.0	21.6	24.1	25.1	23.3	23.3	21.6	19.4	17.3	17.3	16.3	16.7	20.1
3	16.4	19.3	20.0	19.0	19.0	19.4	18.4	21.2	17.4	18.1	22.5	22.4	21.8	20.6	22.6	24.0	24.3	22.5	20.9	17.7	16.5	15.6	14.7	14.7	19.5
4 D	14.7	12.9	18.8	19.7	21.6	23.4	16.2	12.9	23.1	27.7	25.1	25.1	20.8	16.5	10.3	12.9	14.7	15.5	16.1	17.4	16.4	16.3	18.1	19.0	18.1
5	19.4	19.7	19.9	25.7	22.5	21.5	21.6	21.5	23.4	21.2	18.1	18.8	18.2	14.7	19.7	22.5	23.3	23.4	22.0	20.7	19.3	18.8	19.7	19.7	20.6
6	19.1	19.0	19.0	19.0	19.0	18.5	18.9	19.9	20.7	20.8	19.6	19.5	19.0	21.4	21.4	22.9	24.2	25.1	22.5	18.1	17.2	16.1	15.8	16.4	19.7
7 Q	18.0	18.1	19.9	19.7	19.2	19.9	20.6	20.8	21.6	19.3	18.9	18.8	17.6	18.4	20.1	21.5	22.4	21.7	20.6	18.9	17.4	17.1	17.3	17.6	19.4
8 Q	17.7	18.1	18.9	19.0	19.0	18.4	18.2	18.3	18.9	19.0	18.2	19.0	19.8	19.9	20.7	21.6	23.3	23.4	21.8	19.9	18.1	17.2	17.1	17.2	19.3
9 Q	17.1	17.3	18.1	18.7	20.5	18.3	19.9	19.9	19.3	19.0	18.8	16.4	19.8	20.3	21.4	22.5	24.1	23.4	22.5	20.9	19.9	19.0	18.1	18.0	19.7
10	17.7	18.1	18.8	18.8	19.0	18.7	18.1	18.0	18.1	18.1	20.6	20.7	22.5	25.0	24.4	25.1	25.9	25.9	24.2	20.7	19.0	17.4	16.6	16.2	20.3
11	16.7	18.0	18.3	18.1	18.1	17.3	18.1	20.9	18.6	18.1	23.3	30.9	21.7	20.9	21.3	22.2	22.5	23.3	22.0	20.7	18.1	17.9	16.7	16.5	20.0
12	17.2	18.1	18.1	18.3	18.7	18.2	19.0	19.2	19.0	19.1	18.9	18.8	19.0	19.9	25.1	26.3	28.2	34.7	24.2	21.6	12.9	21.3	19.4	12.2	20.3
13 D	14.6	22.3	18.1	28.9	43.2	12.9	40.6*	33.1*	18.7*	50.8*	-14.8*	9.1*	26.2*	20.4*	19.2*	26.2	24.0	29.3	39.8	19.0	15.5	16.4	22.5	25.1	23.4
14 D	25.8	24.3	21.3	21.5	20.6	25.1	22.6	19.0	17.3	17.3	18.3	19.9	19.2	20.6	20.5	22.5	24.2	23.6*	24.2*	24.6*	20.4*	21.7*	19.4*	20.9*	21.4
15 D	20.3	19.4	21.2	19.9	19.1	20.4	19.3	16.0	17.1	19.9	19.3	18.1	16.3	6.5	12.9	17.7	17.7	11.7	20.3	20.8	19.0	17.3	37.5*	23.1*	18.8
16 D	17.5	21.7	20.0	28.0	25.0	21.5	17.4	18.4	20.0	21.0	15.7	16.9	18.9	14.8	14.7	19.2	22.7	23.0	21.8	21.1	20.5	20.5	20.1	19.7	20.0
17	19.9	21.4	21.5	20.8	20.7	20.0	20.0	21.0	16.7	20.9	21.1	21.0	19.1	17.9	19.6	20.9	22.2	19.9	14.8	16.1	17.4	16.6	17.4	18.7	19.4
18 Q	18.4	19.6	20.4	19.6	19.2	19.1	18.6	19.2	18.3	18.2	20.0	19.9	20.6	19.6	20.6	21.1	21.3	21.3	20.0	19.2	19.1	18.7	18.3	18.3	19.5
19 Q	18.4	18.7	18.9	19.1	18.6	18.4	18.3	18.3	18.4	19.2	20.1	20.8	20.0	20.0	20.3	21.1	21.8	21.8	21.0	20.0	19.1	17.9	18.3	17.9	19.4
20	18.3	19.2	19.8	20.1	20.5	19.9	21.3	20.8	19.2	19.0	20.9	16.0	21.7	19.2	14.9	20.9	20.4	19.2	19.2	19.0	18.3	16.8	18.3	18.3	19.2
21	18.7	19.0	19.2	19.2	19.6	25.6	26.8	21.8	21.8	19.9	21.8	24.5	17.4	23.1	21.8	12.4	7.9	14.7	8.8	11.6	14.8	16.7	19.1	20.6	18.6
22	19.9	19.5	28.7	20.5	22.5	15.7	18.9	20.1	11.4	19.0	18.5	15.7	20.8	22.6	21.3	21.3	22.2	18.7	17.5	17.7	17.4	17.4	19.2	19.9	19.4
23	19.6	20.0	20.9	20.7	19.2	19.2	24.8	20.9	20.0	18.7	17.4	20.9	22.6	19.0	18.6	22.2	20.9	20.9	19.6	18.3	17.7	17.4	17.4	17.4	19.8
24	17.4	17.9	20.0	20.0	19.4	19.6	20.5	15.7	18.6	18.3	19.2	19.3	19.2	18.3	19.6	20.4	19.1	18.3	17.4	15.7	14.8	16.9	16.0	14.0	18.2
25	19.9	20.3	19.6	23.2	32.1	23.5	21.6	24.4	19.1	24.0	12.2	20.1	22.7	20.0	8.0	13.2	14.8	14.0	13.1	16.6	19.2	17.4	15.6	17.4	18.8
26	18.0	19.2	19.2	21.2	25.1	20.2	19.2	19.2	16.7	21.5	20.8	15.7	15.8	18.3	20.1	21.6	20.8	20.6	19.9	19.2	16.9	15.8	17.4	18.7	19.2
27	18.7	19.2	19.2	19.4	19.9	20.0	21.6	17.5	14.1	18.0	18.3	17.5	18.4	18.2	14.8	18.7	20.0	16.1	8.0	12.2	15.8	17.4	18.3	17.9	17.5
28	19.9	20.0	19.2	19.9	24.4	23.7	20.0	21.4	21.7	15.7	18.0	21.8	22.3	20.9	18.2	23.4	23.3	22.4	21.8	19.2	19.1	18.2	18.0	17.5	20.4
29	17.4	18.7	19.5	19.1	20.0	19.2	18.3	18.7	19.2	18.7	18.3	17.9	19.2	20.8	20.9	20.5	20.9	21.0	20.6	19.6	18.3	17.4	16.6	17.5	19.1
30	17.7	17.9	18.4	20.0	19.9	18.8	19.2	19.2	18.7	19.2	18.7	20.2	20.6	19.2	19.2	19.2	22.6	22.4	19.9	17.4	14.8	14.0	10.6	17.4	18.6
31																									
Mean	18.4	19.1	19.7	20.5	21.7	19.9	20.6	19.7	18.6	20.6	18.3	19.6	20.0	19.3	19.2	21.0	21.5	21.5	20.3	18.8	17.6	17.6	18.3	18.1	19.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Victoria — Z = 52967 γ + — November 1960

Day		Hour U.T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		404	402	405	407	410	398	402	394	390	394	393	388	378	380	382	386	388	388	384	383	390	394	399	398	393
2		396	398	399	402	405	410	407	371	357	370	370	375	372	366	389	396	397	394	388	385	386	392	398	400	388
3		404	412	421	416	410	408	407	402	382	353	346	355	365	387	395	398	396	392	390	390	390	397	400	418	393
4	D	432	434	462	460	483	464	434	340	391	360	370	359	372	363	334	348	376	392	398	405	411	416	418	428	402
5		424	415	413	415	418	416	415	410	399	397	392	390	389	386	376	392	400	402	400	399	399	399	402	402	402
6		401	400	398	398	398	398	398	398	398	394	397	396	386	389	398	402	402	398	392	390	392	393	394	397	396
7	Q	398	399	399	403	404	403	406	406	399	394	394	394	393	393	396	399	396	392	389	389	394	398	400	398	397
8	Q	395	394	394	393	392	391	392	392	392	392	394	394	393	392	394	396	396	392	388	390	389	391	393	392	392
9	Q	394	395	397	398	398	398	396	392	392	394	393	386	383	388	391	396	397	392	387	385	387	390	392	391	392
10		391	391	392	391	390	389	389	390	389	386	383	385	374	376	382	385	386	381	374	372	374	377	380	381	384
11		381	381	382	383	382	382	387	394	388	376	333	303	356	378	384	387	386	385	382	384	382	386	389	388	378
12		389	390	390	389	388	388	390	386	387	385	383	383	386	390	384	388	387	364	324	343	374	402	404	402	383
13	D	585	571	540	757	625	637	265*	-235*	335*	-35*	55*	-5*	-45*	135*	265*	35*	395	436	387	448	438	436	445	446	330
14	D	484	485	441	425	422	416	398	406	403	400	398	398	404	402	404	414	410	385*	395*	415*	425*	440*	430*	430*	418
15	D	425	420	426	420	417	414	409	397	390	396	402	387	370	320	296	310	298	315	336	384	398	422	482	520	390
16	D	735*	622	805	724	521	466	422	396	380	389	392	384	375	348	368	385	423	424	418	414	417	417	414	416	461
17		414	416	418	416	411	409	407	410	390	384	390	394	396	392	394	397	398	392	389	394	402	401	403	408	401
18	Q	411	412	413	414	412	408	406	406	406	402	402	402	400	398	398	402	402	400	396	395	395	396	395	394	403
19	Q	396	396	396	396	394	394	394	394	393	392	390	392	390	392	390	392	393	392	390	391	393	394	392	390	393
20		389	388	388	390	390	390	390	386	380	370	371	377	380	380	373	377	376	380	382	385	388	388	392	388	383
21		386	386	386	385	384	391	387	374	340	296	348	328	282	316	324	292	273	299	344	380	394	402	403	404	354
22		404	409	424	420	421	386	384	391	349	378	382	366	344	362	384	388	384	378	380	386	392	394	400	400	388
23		396	396	395	396	394	392	387	384	385	384	373	372	382	384	380	385	386	385	388	390	392	394	394	395	388
24		395	400	401	398	396	394	394	376	369	378	383	388	389	387	384	386	382	378	376	382	384	388	391	403	388
25		410	410	404	408	416	417	412	406	347	330	299	281	352	366	328	343	351	362	370	372	387	405	410	412	375
26		409	406	402	401	400	392	390	384	360	359	366	364	342	362	376	385	388	390	388	384	388	391	395	396	384
27		397	398	396	396	394	394	395	381	369	378	384	386	384	382	364	369	366	370	366	378	382	386	396	398	384
28		399	410	404	402	402	390	394	386	384	356	356	370	373	374	376	388	390	387	387	392	398	398	398	398	388
29		398	400	402	400	400	398	396	396	396	394	391	380	384	391	392	393	394	392	391	391	391	390	390	392	393
30		395	398	398	400	402	402	400	398	396	390	386	390	392	392	392	396	398	396	393	392	390	379	380	394	394
31																										
Mean		421	418	423	427	416	411	395	370	381	364	367	362	361	369	373	370	384	384	382	390	394	398	403	406	390

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 34 Victoria — H = 18,443 γ + — December 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	D	320	304	284	242	255	237	258	291	231	242	239	238	210	220	256	207	212	253	262	230	263	271	225	247	250
2	D	278	279	272	282	273	281	300	283	285	301	291	291	259	291	317	313	302	294	285	282	262	264	276	286	285
3		289	292	292	287	291	289	283	284	285	291	299	306	307	310	312	311	309	306	301	296	290	288	290	295	296
4	Q	304	310	313	311	308	304	314	306	308	310	312	313	317	313	313	307	310	307	293	285	283	286	291	298	305
5		305	309	309	311	310	297	301	303	305	307	309	315	319	319	322	325	331	316	311	305	304	303	309	319	311
6		324	329	330	332	314	308	308	302	305	295	299	301	310	324	332	322	305	294	274	284	284	288	299	299	307
7		299	302	301	301	292	296	300	298	302	316	302	303	296	286	315	316	315	307	307	302	282	270	294	294	300
8		285	278	271	283	281	291	288	286	292	286	283	307	314	315	314	311	313	306	299	294	291	296	303	308	296
9		316	321	309	293	291	302	302	302	302	307	302	298	302	311	305	315	313	305	292	283	282	290	294	300	302
10		305	312	304	299	305	312	314	312	311	312	318	316	312	321	319	317	312	305	299	288	281	285	297	307	307
11	Q	314	320	322	319	318	314	306	305	305	312	311	306	313	323	327	317	323	317	309	302	293	284	300	312	311
12		317	319	314	307	315	310	312	309	307	308	309	322	325	322	317	319	317	309	263	264	273	270	274	278	303
13		276	288	291	278	287	289	283	283	305	290	294	299	306	311	314	316	311	302	294	292	293	295	303	311	296
14	Q	317	322	324	320	321	318	316	313	321	327	322	332	338	334	330	325	322	319	314	312	310	315	317	316	321
15	D	312	305	300	296	298	294	284	277	269	260	272	306	331	301	229	246	231	235	230	221	233	232	246	260	270
16	D	261	264	259	259	242	244	237	247	236	218	240	239	259	298	294	292	292	290	285	279	282	289	296	305	267
17	Q	308	308	309	308	302	295	301	295	287	300	306	309	307	309	312	316	317	309	301	296	296	305	316	320	306
18		316	313	306	295	307	307	288	265	278	266	266	305	311	307	310	300	301	329	299	273	288	295	296	297	297
19		299	305	315	316	318	311	294	294	298	289	299	308	313	324	322	322	319	311	305	295	287	285	295	303	305
20		313	321	313	305	321	309	308	315	325	317	293	306	310	317	321	326	323	315	297	260	249	282	288	308	306
21		296	285	310	317	311	314	313	305	305	306	308	315	323	324	316	295	325	316	300	290	271	257	284	304	304
22		287	289	308	304	300	309	305	302	309	300	305	314	317	311	321	325	309	306	300	294	294	299	305	305	305
23		303	313	314	314	314	324	311	304	303	309	301	303	323	297	332	333	327	313	301	300	307	312	320	326	313
24		325	319	317	321	316	315	317	316	315	319	321	321	316	312	319	326	322	293	304	308	308	302	298	305	314
25	Q	317	307	314	319	321	320	318	313	313	312	319	320	321	320	319	324	321	310	295	288	299	305	311	315	313
26		305	313	327	329	316	300	301	301	327	314	318	319	323	332	333	336	324	314	308	309	321	327	331	336	319
27	D	340	341	339	324	325	331	297	275	286	307	312	280	298	301	320	267	285	228	256	246	266	272	272	277	294
28		265	284	296	300	302	298	294	307	296	288	270	281	314	311	285	310	317	312	296	278	292	293	301	310	296
29		305	291	283	303	312	310	301	313	302	297	312	314	312	311	313	304	317	324	319	302	296	292	301	304	306
30		306	311	312	309	310	317	314	312	320	307	307	300	308	315	309	322	323	300	273	301	293	293	303	307	307
31		312	310	315	313	300	307	317	303	296	295	310	310	305	319	321	302	319	300	285	284	286	288	293	303	304
Mean		304	305	306	303	302	302	300	298	298	297	298	303	307	310	312	309	309	301	292	285	286	288	294	302	300

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 35 Victoria — D = 22° 30'.0 + E — December 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	18.3	16.7	17.3	37.6	26.9	27.0	27.4	27.7	16.5	23.7	23.1	18.3	16.6	17.5	9.2	6.3	-2.7	9.7	16.1	13.1	15.7	18.2	19.2	15.3	18.1
2 D	20.3	21.3	21.6	21.7	23.0	20.5	19.4	20.0	20.9	18.1	18.6	22.9	18.6	16.4	20.9	19.5	19.1	19.4	19.0	19.0	18.7	19.0	19.1	18.6	19.8
3	19.3	19.8	20.1	21.3	23.9	19.9	20.1	19.0	19.4	14.8	17.2	20.1	20.4	20.4	20.5	20.6	20.7	20.1	19.4	18.8	19.0	18.6	18.8	18.6	19.6
4 Q	18.5	19.1	19.1	19.3	19.0	18.7	17.9	18.4	18.6	18.2	18.6	17.4	18.4	20.2	21.2	20.4	20.6	20.0	19.5	18.0	17.7	17.3	17.3	17.5	18.8
5	18.2	19.0	19.3	19.8	19.6	19.9	19.2	19.2	18.7	18.9	18.7	16.8	22.4	20.9	17.7	20.3	20.6	19.0	17.7	17.7	18.9	19.1	18.9	18.6	19.1
6	18.6	18.7	18.8	19.0	19.3	20.9	18.0	19.3	20.7	21.5	22.0	19.7	23.8	23.3	19.9	20.0	14.1	13.7	12.1	10.3	14.8	17.0	18.1	18.3	18.4
7	18.9	19.4	19.2	19.7	23.8	19.9	19.1	19.0	18.1	18.6	20.7	22.7	22.9	15.1	21.2	22.6	22.2	22.4	22.0	18.9	18.5	12.2	14.7	15.4	19.5
8	16.7	20.0	24.3	28.0	28.2	25.7	23.6	20.7	19.2	18.8	18.3	20.8	19.5	19.9	21.3	20.9	21.3	21.8	21.3	20.5	19.6	18.3	17.4	17.4	21.0
9	18.1	18.7	19.2	19.5	20.9	21.8	21.8	20.0	19.4	12.3	15.2	20.0	21.8	17.6	13.0	15.3	18.3	20.0	20.0	19.6	19.1	16.6	16.7	16.7	18.4
10	17.9	17.4	18.6	20.0	19.9	20.0	20.0	18.7	18.9	17.8	15.2	17.4	17.9	20.0	20.0	20.5	22.9	22.2	21.7	20.8	20.0	19.1	17.4	17.0	19.2
11 Q	17.5	18.6	18.7	18.7	18.7	18.7	21.3	20.1	18.3	19.2	18.4	20.0	17.6	15.7	19.1	17.4	19.6	21.8	21.3	20.0	18.3	16.1	14.0	15.7	18.5
12	17.0	17.3	17.0	18.4	19.2	19.2	19.2	18.7	20.9	17.9	19.4	16.6	21.0	20.3	14.5	16.7	16.0	19.0	19.6	10.1	14.8	16.7	16.1	17.4	17.6
13	19.9	19.5	19.6	20.0	20.1	23.0	22.6	20.8	17.1	22.3	19.2	17.4	15.3	21.8	21.3	20.9	21.2	20.9	21.3	21.3	20.0	19.2	18.3	17.8	20.0
14 Q	18.3	18.4	19.2	19.3	19.2	19.1	20.0	18.6	19.2	16.9	18.1	19.2	19.9	20.5	20.0	19.9	20.6	21.2	20.9	20.0	18.4	18.3	18.5	18.5	19.3
15 D	18.6	18.7	19.9	20.0	20.1	22.6	24.4	24.4	31.3	31.7	37.2	34.0	27.0	5.5	6.0	5.3	10.0	14.0	14.0	13.5	17.0	16.6	15.8	16.4	19.3
16 D	16.7	10.5	11.5	11.7	15.7	23.6	27.0	26.9	32.1	27.0	34.8	23.5	21.0	24.4	22.6	22.6	21.8	22.2	21.7	20.7	19.1	17.4	16.8	17.5	21.2
17 Q	18.4	18.5	19.2	19.6	19.2	20.0	24.0	20.9	22.2	21.8	20.0	19.2	19.6	19.2	19.6	20.0	21.8	22.1	21.3	19.6	17.4	16.0	17.1	18.3	19.8
18	19.0	19.5	19.4	20.5	21.3	21.8	26.5	27.0	24.1	24.4	23.5	27.4	20.8	15.3	14.0	6.2	7.0	13.8	17.3	14.4	15.2	17.0	18.5	19.2	18.9
19	19.6	19.2	20.3	19.6	20.5	20.0	22.6	25.1	20.3	17.6	12.9	18.1	20.3	21.3	21.8	21.3	21.4	21.8	21.0	19.9	18.6	18.2	17.4	17.8	19.9
20	17.4	18.7	18.4	23.5	28.3	18.7	19.0	21.3	16.6	10.5	18.7	17.4	16.7	19.5	22.2	21.8	20.9	18.7	18.3	17.9	16.1	14.8	16.1	18.7	18.8
21	18.2	26.1	20.9	20.0	21.3	21.9	20.1	19.2	19.6	18.3	18.4	18.7	19.1	20.5	18.3	11.7	16.7	21.5	20.6	19.2	15.7	9.7	11.4	16.7	18.5
22	18.3	20.5	20.5	21.8	22.6	22.6	22.2	19.3	17.4	12.2	14.4	16.4	20.3	19.9	19.6	20.3	17.0	18.7	19.3	18.3	17.0	17.0	17.4	18.7	18.8
23	20.5	19.7	20.6	20.1	21.8	22.4	19.7	19.4	18.3	17.9	20.0	10.5	16.4	14.9	19.6	22.6	23.1	21.8	21.1	19.2	16.8	16.1	16.1	16.6	19.0
24	17.9	18.4	20.0	20.3	20.5	20.5	20.5	19.1	18.3	16.5	17.5	20.0	19.3	13.3	17.4	23.7	23.5	18.7	18.7	18.3	16.6	16.8	16.0	16.6	18.7
25 Q	17.2	18.6	21.2	20.0	20.0	19.7	19.5	19.5	20.5	20.3	17.0	18.6	18.6	17.4	18.1	20.6	23.0	24.3	23.5	22.2	19.6	17.8	16.9	17.4	19.6
26	19.6	20.1	19.5	20.0	20.0	27.0	20.5	21.8	20.9	20.5	20.0	20.1	11.0	19.9	21.8	21.0	21.9	23.1	21.8	20.0	17.4	16.6	16.7	17.3	19.9
27 D	17.0	17.4	18.4	18.7	19.2	19.5	19.9	29.1	24.2	19.0	22.4	20.1	20.5	22.2	24.8	19.1	5.8	8.4	10.6	14.8	17.1	15.4	18.0	18.3	18.3
28	20.1	21.8	21.2	21.3	20.5	19.7	20.5	20.3	21.8	24.7	18.3	17.0	22.5	21.8	11.4	14.0	14.8	20.4	20.9	20.3	18.6	17.4	17.4	18.6	19.4
29	17.9	20.8	21.8	19.4	18.9	19.2	22.3	20.5	18.3	19.9	19.6	20.9	21.3	19.2	19.8	15.3	9.6	16.6	20.0	18.7	18.3	18.1	17.9	18.2	18.8
30	18.7	18.7	18.7	19.2	25.6	21.1	18.0	19.2	18.2	19.0	19.6	17.4	19.2	19.2	21.4	23.1	22.5	21.0	15.6	14.4	14.9	16.7	18.3	19.0	19.1
31	18.3	18.3	19.2	19.9	20.7	25.3	18.3	20.3	25.2	18.7	22.2	20.8	19.2	14.7	19.2	16.1	17.4	18.1	19.7	18.6	17.4	16.7	16.4	17.4	19.1
Mean	18.4	19.0	19.4	20.6	21.2	21.3	21.1	21.1	20.5	19.3	20.0	19.7	19.6	18.6	18.6	18.3	17.8	19.2	19.3	18.0	17.6	16.9	17.1	17.6	19.2

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 36 Victoria $Z = 52967\ \gamma +$ December 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	D	381	385	400	543	552	473	461	469	344	380	366	346	315	259	259	270	269	329	375	382	398	413	414	427	384
2	D	419	410	411	409	407	408	403	395	392	376	368	377	345	310	355	366	369	369	377	382	381	391	396	395	384
3		397	397	395	395	400	397	395	393	389	377	370	384	387	389	389	391	393	391	390	391	393	394	392	391	391
4	Q	390	389	389	389	391	391	391	387	390	391	391	389	381	375	378	381	385	381	379	383	386	387	389	391	386
5		392	393	393	393	391	394	395	395	395	393	390	373	363	375	374	377	381	376	374	378	381	385	389	391	385
6		389	389	389	389	389	393	393	393	385	377	370	345	309	348	345	344	345	345	355	365	379	394	403	401	372
7		399	399	399	399	405	404	407	403	399	390	390	385	379	361	377	389	391	387	389	387	385	390	403	405	393
8		413	423	428	429	427	424	417	417	410	398	373	400	404	402	400	400	401	397	397	398	397	398	399	398	406
9		398	397	397	398	402	395	399	399	396	365	360	371	368	377	364	377	385	390	392	397	399	399	398	399	388
10		400	401	401	401	401	401	398	396	395	394	383	376	383	391	391	394	399	400	399	398	398	399	397	396	396
11	Q	398	397	395	394	394	392	393	393	390	388	381	374	375	370	375	381	388	390	388	389	388	388	392	392	388
12		395	395	397	399	403	401	397	386	386	373	373	362	373	382	379	371	369	369	372	382	385	394	408	411	386
13		414	414	411	410	416	418	418	408	380	374	377	372	347	370	387	392	393	390	391	391	388	390	394	395	393
14	Q	395	393	392	392	391	390	389	388	384	382	386	388	386	384	386	386	390	389	388	386	383	384	385	386	388
15	D	387	388	390	394	394	392	390	379	359	341	329	317	304	263	230	283	326	344	366	379	408	423	442	445	361
16	D	449	463	489	511	515	521	484	459	449	403	388	377	342	395	408	410	410	406	402	401	400	401	399	399	428
17	Q	401	401	403	403	403	402	402	403	402	404	403	401	399	399	396	399	400	397	394	395	394	394	395	394	399
18		395	395	395	396	401	399	397	406	401	354	321	353	360	367	369	348	339	354	370	380	392	398	399	399	379
19		399	399	399	399	395	395	397	398	399	388	373	371	384	387	388	393	392	393	394	395	395	395	395	393	392
20		394	395	396	399	400	394	395	392	384	356	352	349	360	373	388	396	393	390	388	388	397	405	405	407	387
21		404	421	420	406	399	398	395	396	397	393	384	390	391	390	381	357	363	366	373	378	382	386	394	400	390
22		403	412	408	403	399	393	386	393	392	373	360	369	373	386	392	389	381	381	384	387	389	393	397	397	389
23		400	401	401	399	397	394	384	388	381	381	377	358	350	349	369	378	380	380	380	382	384	388	390	392	383
24		393	392	392	393	390	390	390	388	387	378	377	383	380	365	376	388	388	381	384	384	381	383	388	397	385
25	Q	398	395	398	397	393	390	388	388	388	388	384	388	389	389	389	395	400	400	396	392	390	389	391	394	392
26		394	398	397	393	389	393	397	398	376	376	386	384	362	363	382	388	390	388	386	385	382	380	384	388	386
27	D	387	386	388	387	392	388	389	392	399	404	394	356	317	301	321	332	338	328	358	378	395	407	420	422	374
28		417	417	414	409	404	400	399	392	377	365	332	300	371	380	358	354	364	369	379	384	390	393	398	395	382
29		393	395	406	410	403	399	398	391	380	380	373	382	381	386	384	377	359	361	376	380	380	380	387	392	386
30		391	392	392	394	397	393	392	391	381	374	386	381	376	378	371	386	386	381	379	383	379	382	388	390	385
31		390	392	392	392	393	400	397	393	391	371	377	383	371	369	376	371	377	373	380	385	381	386	391	393	384
Mean		399	401	402	407	408	404	401	399	390	380	373	370	365	366	369	373	376	377	382	386	389	393	398	399	388

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (All Days)

Table 37 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+3	+3	+4	+3	+4	+4	+3	+2	0	-3	-1	+3	+9	+11	+12	+13	+11	+3	-8	-19	-23	-19	-12	-4
February	-2	0	+1	+2	+1	0	+1	+2	+2	+5	+8	+9	+12	+15	+15	+13	+8	-1	-11	-20	-25	-23	-15	-8
March	-4	0	+3	+5	+2	+5	+5	+6	+8	+9	+11	+7	+12	+14	+14	+12	+3	-4	-15	-19	-23	-22	-16	-10
April	+26	+24	+18	+15	+11	+5	+9	+10	+12	+12	+19	+15	-5	-13	-9	-7	-12	-39	-32	-22	-23	-12	-6	+3
May	0	+5	+3	-2	+2	+2	+4	+5	+9	+2	+10	+10	+8	+10	+5	0	-3	-10	-16	-16	-11	-11	-8	-1
June	+7	+9	+8	+3	-3	-3	-4	-5	-3	-1	-1	+1	+6	+10	+14	+11	+4	-5	-10	-11	-13	-11	-7	0
July	+1	+7	+1	-1	-1	0	-1	+2	+5	+7	+7	0	+6	+13	+16	+13	+6	-3	-10	-14	-16	-16	-12	-5
August	+5	+4	+8	+3	+4	+1	-1	+2	+5	+10	+13	+10	+14	+17	+18	+11	-3	-19	-27	-26	-23	-17	-9	+2
September	+6	+5	+6	+6	+4	+4	+6	-1	-5	0	+7	+12	+11	+16	+15	+6	-3	-15	-25	-24	-18	-11	-2	+1
October	+13	+18	+7	+9	+10	+8	+6	+7	+3	+6	+4	+2	+13	+8	-3	-3	-13	-20	-20	-21	-18	-11	-4	+10
November	+12	+11	+17	+14	+10	+11	+16	-9	+4	-25	-5	+1	+2	+4	+8	+2	+5	-7	-21	-15	-14	-8	-4	+1
December	+4	+5	+6	+3	+2	+2	0	-2	-2	-3	-2	+3	+7	+10	+12	+9	+9	+1	-8	-15	-14	-12	-6	+2
Year	+6	+8	+7	+5	+4	+3	+4	+2	+3	+2	+6	+6	+8	+10	+10	+7	+1	-10	-17	-18	-18	-14	-8	-1
Winter	+4	+5	+7	+6	+4	+4	+5	-2	+1	-6	0	+4	+8	+10	+12	+9	+8	-1	-12	-17	-19	-18	-9	-2
Equinox	+10	+12	+8	+9	+7	+6	+7	+6	+4	+7	+10	+9	+8	+6	+4	+2	-6	-20	-23	-22	-20	-14	-7	+1
Summer	+3	+6	+5	+1	0	0	0	+1	+4	+4	+7	+5	+8	+12	+13	+9	+1	-9	-16	-17	-16	-14	-9	-1

DECLINATION (minutes) (All Days)

Table 38 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.0	-1.6	-0.9	-0.3	+0.1	+0.2	-0.3	-0.6	+0.2	+0.4	+0.2	+0.4	+0.7	+0.5	+0.5	+1.2	+1.9	+2.5	+2.3	+1.6	-0.1	-1.8	-2.4	-2.5
February	-2.4	-1.8	-1.1	-0.6	-0.3	+0.1	+0.2	+0.4	+0.5	+0.8	+1.1	+0.8	+1.2	+1.0	+0.8	+1.4	+2.4	+3.2	+1.9	+0.3	-1.2	-2.2	-2.7	-2.8
March	-3.8	-3.5	-2.8	-2.2	-0.8	-0.4	+0.5	+0.8	+1.4	+1.3	+1.0	+0.8	+1.3	+0.8	+1.8	+3.4	+4.3	+4.0	+3.9	+1.1	-1.7	-3.1	-4.0	-4.1
April	-6.5	-5.6	-3.3	-0.4	+0.1	+0.9	+1.0	+1.0	+0.6	-0.3	0.0	+0.2	+0.7	+2.1	+5.1	+6.4	+7.7	+6.2	+3.2	-0.2	-2.0	-4.4	-5.8	-6.0
May	-5.0	-3.3	-2.5	-1.0	0.0	-0.3	-0.1	-0.2	-0.5	+0.2	-0.4	+0.3	+1.1	+3.6	+5.4	+7.2	+7.1	+6.1	+2.8	-0.8	-3.3	-4.8	-5.6	-5.8
June	-5.8	-4.3	-2.8	-1.3	-0.7	+0.1	0.0	-0.1	-0.2	-0.3	-1.4	-0.6	+2.1	+3.5	+5.1	+7.3	+7.5	+6.9	+3.6	+0.1	-2.5	-4.5	-5.8	-6.2
July	-4.8	-3.6	-1.7	-1.3	-0.2	+0.3	+0.4	-0.1	+0.8	-0.1	-0.2	-1.0	+0.6	+2.7	+5.4	+6.4	+7.1	+5.6	+2.6	-0.6	-3.1	-4.4	-5.3	-5.6
August	-3.3	-2.3	-1.8	-0.2	+0.1	+0.4	+0.3	+0.3	-0.1	+0.1	-0.5	-0.9	+0.9	+3.2	+5.2	+7.2	+8.1	+5.9	+1.5	-1.9	-4.4	-6.0	-5.8	-5.0
September	-3.7	-3.1	-2.3	-0.7	-0.5	-0.9	+0.5	-0.7	-0.2	+1.2	+1.6	+1.1	+1.4	+2.7	+4.3	+6.1	+6.5	+4.2	+0.7	-2.1	-3.6	-4.7	-4.6	-3.9
October	-2.0	-1.3	+0.3	+1.2	0.0	+2.1	+2.3	+2.4	+0.6	+2.0	+1.2	+2.4	+1.1	+0.3	-1.9	-1.0	-0.4	+0.3	-0.6	-1.3	-2.1	-2.5	-2.1	-1.8
November	-1.2	-0.5	+0.1	+0.9	+2.1	+0.3	+1.0	+0.1	-1.0	+1.0	-1.3	0.0	+0.4	-0.3	-0.4	+1.4	+1.9	+1.9	+0.7	-0.8	-2.0	-2.0	-1.3	-1.5
December	-0.8	-0.2	+0.2	+1.4	+2.0	+2.1	+1.9	+1.9	+1.3	+0.1	+0.8	+0.5	+0.4	-0.6	-0.6	-0.9	-1.4	0.0	+0.1	-1.2	-1.6	-2.3	-2.1	-1.6
Year	-3.4	-2.6	-1.6	-.4	+.2	+.4	+.6	+.4	+.3	+.5	+.2	+.3	+1.0	+1.6	+2.6	+3.8	+4.4	+3.9	+1.9	-.5	-2.3	-3.6	-4.0	-3.9
Winter	-1.6	-1.0	-.4	+.4	+.9	+.7	+.7	+.4	+.2	+.6	+.2	+.4	+.7	+.2	+.1	+.8	+1.2	+1.9	+1.2	0.0	-1.2	-2.1	-2.1	-2.1
Equinox	-4.0	-3.4	-2.0	-.5	-.3	+.4	+1.1	+.9	+.6	+1.0	+1.0	+1.1	+1.1	+1.5	+2.4	+3.7	+4.5	+4.0	+1.8	-.6	-2.4	-3.7	-4.1	-4.0
Summer	-4.7	-3.4	-2.2	-1.0	-.2	+.1	+.2	0.0	0.0	0.0	-.6	-.6	+1.2	+3.2	+5.3	+7.0	+7.4	+6.1	+2.6	-.8	-3.4	-4.9	-5.6	-5.6

VERTICAL INTENSITY (gammas) (All Days)

Table 39 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+6	+7	+11	+12	+10	+9	+7	+5	0	-5	-12	-16	-17	-12	-9	-4	-2	-2	-2	-1	0	+1	+2	+4
February	+4	+5	+7	+8	+9	+10	+8	+7	+6	+2	-1	-8	-11	-9	-8	-8	-4	-4	-7	-8	-6	-3	0	+1
March	+2	+9	+14	+18	+18	+19	+17	+14	0	-6	-8	-17	-14	-9	-4	-1	-3	-9	-13	-13	-12	-9	-2	+4
April	+32	+37	+46	+45	+37	+31	+17	+4	-11	-18	-17	-27	-33	-41	-28	-22	-19	-34	-20	-10	-6	+2	+9	+17
May	+15	+23	+24	+20	+16	+11	+9	+7	0	-11	-7	-7	-9	-9	-12	-13	-11	-12	-15	-14	-10	-7	-2	+5
June	+13	+24	+29	+29	+29	+21	+10	+3	-2	-7	-14	-20	-13	-9	-5	-4	-6	-13	-18	-19	-17	-13	-7	+2
July	+20	+30	+34	+30	+22	+17	+13	0	-6	-14	-16	-17	-19	-9	-7	-6	-8	-16	-20	-19	-15	-9	0	+9
August	+16	+20	+23	+22	+19	+23	+14	-2	-15	-16	-12	-14	-7	-3	+1	0	-5	-14	-19	-19	-15	-9	-1	+8
September	+16	+17	+20	+14	+15	+14	+10	-9	-23	-20	-18	-10	-13	-8	-3	-2	-2	-7	-10	-8	-3	+2	+10	+15
October	+30	+38	+36	+33	+34	+28	+16	+8	-2	-16	-36	-55	-41	-37	-41	-27	-19	-11	-2	+1	+7	+15	+22	+29
November	+31	+28	+33	+37	+26	+21	+5	-20	-9	-26	-23	-28	-29	-21	-17	-20	-6	-6	-8	0	+4	+8	+13	+16
December	+11	+13	+14	+19	+20	+16	+13	+11	+2	-8	-15	-18	-23	-22	-19	-15	-12	-11	-6	-2	+1	+5	+10	+11
Year	+16	+21	+24	+24	+21	+18	+12	+2	-5	-12	-15	-20	-19	-16	-13	-10	-8	-12	-12	-9	-6	-1	+4	+10
Winter	+13	+13	+16	+19	+16	+14	+8	+1	0	-9	-13	-18	-20	-16	-14	-12	-6	-6	-6	-3	0	+3	+6	+8
Equinox	+20	+25	+29	+28	+26	+23	+15	+4	-9	-15	-20	-27	-25	-24	-19	-13	-11	-15	-11	-8	-4	+2	+10	+16
Summer	+16	+24	+28	+25	+22	+18	+12	+2	-6	-12	-12	-14	-12	-8	-6	-6	-8	-14	-18	-18	-14	-10	-2	+6

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 40 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2	+6	+8	+8	+5	+4	+3	+2	+1	+3	+5	+10	+12	+12	+12	+11	+6	-5	-18	-24	-24	-17	-9	0
February	-1	+1	+2	0	-3	-1	-1	+2	+5	+7	+10	+12	+13	+14	+14	+13	+8	0	-11	-22	-25	-21	-11	-3
March	-9	-3	+1	+3	0	+2	+4	+7	+9	+11	+13	+13	+13	+12	+13	+13	+11	+2	-12	-22	-25	-24	-20	-13
April	-4	+5	+2	-5	-4	-3	0	+3	+8	+12	+13	+12	+11	+15	+15	+13	+5	-5	-12	-17	-20	-21	-17	-7
May	-4	-4	-5	-7	-4	-2	-2	+1	+4	+4	+5	+5	+7	+11	+13	+9	+3	-4	-8	-7	-5	-7	-8	-6
June	-2	+2	-2	-5	-4	-2	+2	+1	+2	+5	+5	+8	+12	+13	+14	+12	+8	0	-4	-11	-17	-18	-14	-10
July	-20	-10	-7	-4	-3	-1	-1	+4	+6	+5	+6	+8	+12	+16	+20	+19	+13	-1	-12	-14	-14	-12	-7	-9
August	+4	+5	+1	+1	+3	+2	+4	+7	+7	+9	+10	+10	+14	+17	+19	+10	-2	-16	-25	-26	-24	-21	-12	-3
September	-2	-1	+1	+2	+4	+3	+6	+8	+11	+12	+15	+16	+15	+13	+11	+3	-7	-15	-23	-25	-21	-15	-7	+1
October	-4	+3	+3	+4	+2	+2	+3	+4	+6	+8	+9	+10	+10	+10	+10	+7	+4	-4	-13	-19	-17	-16	-9	-3
November	-4	-1	-2	+1	+2	0	0	0	+2	+6	+9	+12	+12	+13	+10	+6	0	-7	-14	-19	-19	-12	-5	+1
December	+1	+2	+5	+4	+3	-1	0	-5	-4	+1	+3	+5	+8	+9	+9	+7	+7	+1	-9	-15	-15	-12	-4	+1
Year	-4	0	+1	0	0	0	+1	+3	+5	+7	+9	+10	+11	+13	+13	+10	+5	-4	-13	-18	-19	-16	-10	-4
Winter	-1	+2	+4	+4	+2	0	0	0	+1	+4	+7	+10	+11	+12	+11	+9	+5	-3	-13	-20	-21	-16	-7	0
Equinox	-5	+1	+2	+1	0	+1	+3	+6	+8	+11	+12	+13	+12	+12	+12	+9	+3	-6	-15	-21	-21	-19	-13	-6
Summer	-6	-2	-3	-4	-2	-1	+1	+3	+5	+6	+6	+8	+11	+14	+16	+12	+5	-5	-12	-14	-15	-14	-10	-7

DECLINATION (minutes) (Quiet Days)

Table 41 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-1.6	-1.0	-0.7	-0.1	+0.2	+.6	-.5	-.8	-1.2	-1.3	-1.2	-.5	-.1	+.3	+1.1	+1.6	+3.2	+3.8	+3.0	+1.3	-.3	-1.8	-2.1	-1.9
February	-2.6	-1.9	-1.0	-1.0	-.1	0.0	-.6	-.3	-.7	-.7	-.3	+.3	+.2	+.1	+.5	+1.5	+3.1	+3.7	+3.3	+1.6	-.3	-1.5	-2.0	-1.9
March	-3.4	-2.5	-1.7	-1.3	-.5	-.2	-.9	-.7	-.5	-.2	+.2	+.2	-.2	-.9	+.3	+2.1	+4.3	+5.3	+5.2	+3.2	+.5	-1.7	-3.0	-3.7
April	-5.4	-4.3	-2.3	-.9	-.2	-1.3	-.3	-.3	-.3	-.2	-.7	-.2	+.1	+1.4	+3.8	+6.0	+7.5	+7.2	+5.1	+1.5	-1.3	-3.4	-4.9	-5.6
May	-2.8	-1.7	-1.0	-.9	-.3	-.6	-.3	-1.0	-1.0	-.4	-.7	-.2	+1.3	+2.7	+4.5	+6.0	+6.2	+5.1	+2.5	-.9	-3.2	-4.4	-4.8	-4.5
June	-5.0	-3.1	-.6	+.5	-.3	-.2	-.2	-.4	-1.0	-1.3	-.8	-.3	+1.1	+2.2	+3.9	+5.9	+6.8	+6.6	+4.5	+.7	-1.9	-4.4	-6.3	-6.0
July	-4.3	-3.0	-1.7	-1.2	-1.0	-1.2	-1.5	-1.0	-.1	-.6	-.8	+.1	+1.9	+3.7	+5.2	+7.1	+7.6	+6.6	+2.9	-.7	-2.9	-4.3	-5.4	-5.3
August	-3.5	-1.9	-1.2	-1.5	-1.3	-.8	-1.2	-.6	+.1	0.0	-.5	-.8	+1.2	+2.9	+4.7	+6.9	+8.1	+6.7	+2.8	-.6	-3.4	-5.3	-6.0	-5.5
September	-2.3	-2.3	-2.3	-1.9	-1.7	-1.2	-1.2	-1.1	-.8	-.1	+.1	+.6	+1.3	+2.7	+3.8	+6.1	+6.5	+4.8	+1.8	-.8	-2.6	-3.3	-3.3	-2.9
October	-2.5	-2.1	-1.4	-1.2	-1.0	-.7	-1.0	-.9	-.6	-.4	-.1	+.1	+.4	+.6	+1.7	+3.0	+4.3	+4.9	+4.0	+1.7	-.7	-1.7	-2.5	-3.4
November	-1.6	-1.1	-.3	-.3	-.2	-.7	-.4	-.2	-.2	-.6	-.3	-.5	+.1	+.1	+1.1	+2.1	+3.1	+2.8	+1.7	+.3	-.8	-1.5	-1.7	-1.7
December	-1.2	-.6	+.3	+.2	0.0	0.0	+1.3	+.3	+.6	+.1	-.8	-.3	-.4	-.6	+.4	+.5	+1.9	+2.7	+2.1	+.8	-.9	-2.1	-2.4	-1.7
Year	-3.0	-2.1	-1.2	-.8	-.5	-.5	-.6	-.6	-.5	-.5	-.5	-.1	+.6	+1.3	+2.6	+4.1	+5.2	+5.0	+3.2	+.7	-1.5	-3.0	-3.7	-3.7
Winter	-1.8	-1.2	-.4	-.3	0.0	0.0	0.0	-.2	-.4	-.6	-.6	-.2	0.0	0.0	+.8	+1.9	+2.8	+3.2	+2.5	+1.0	-.6	-1.7	-2.0	-1.8
Equinox	-3.4	-2.8	-1.9	-1.6	-.8	-.8	-.8	-.8	-.6	-.2	-.1	+.2	+.4	+1.0	+2.4	+4.3	+5.6	+5.6	+4.0	+1.4	-1.0	-2.5	-3.4	-3.9
Summer	-3.9	-2.4	-1.1	-.8	-.7	-.7	-.8	-.8	-.5	-.6	-.7	-.3	+1.4	+2.9	+4.8	+6.5	+7.2	+6.2	+3.2	-.4	-2.8	-4.6	-5.6	-5.3

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 42 — Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1	+1	+1	+1	0	+1	+0	0	-1	-1	-2	-2	-3	-3	-2	+1	+2	+1	-1	-1	-1	0	+1	+1
February	+1	+2	+3	+3	+4	+5	+4	+4	+2	-1	-1	-1	-2	-1	0	+2	+5	+5	-1	-6	-8	-7	-5	-4
March	+2	+5	+6	+6	+4	+4	+4	+3	+2	+1	0	0	0	-1	-1	+2	+4	+1	-5	-10	-10	-8	-8	-5
April	+3	+8	+9	+9	+9	+7	+6	+2	-1	-4	0	+1	+3	+6	+7	+6	+3	-4	-22	-15	-13	-13	-10	-6
May	+6	+9	+8	+5	+5	+5	+4	+4	+4	+3	+3	+4	+6	+8	+9	+6	-1	-10	-16	-18	-15	-12	-9	-4
June	+11	+16	+18	+13	+9	+6	+5	+5	+4	+4	+3	+4	+6	+4	+1	-2	-8	-14	-17	-19	-19	-16	-13	-5
July	+7	+14	+15	+12	+9	+8	+7	+8	+3	+2	0	+1	+5	+7	+6	+5	0	-10	-19	-24	-24	-20	-11	-4
August	+9	+11	+8	+6	+6	+6	+6	+5	+2	-3	-7	-6	+2	+7	+9	+8	+5	-3	-14	-19	-16	-13	-7	+1
September	+6	+4	+4	+4	+4	+5	+5	+4	+4	+3	+3	+2	+2	+2	+3	+3	-1	-8	-13	-13	-12	-10	-5	-2
October	+2	+3	+3	+3	+3	+4	+4	+4	+3	+2	+2	+1	0	+1	+1	+3	+3	0	-4	-9	-11	-11	-9	-7
November	+3	+3	+4	+5	+4	+3	+3	+2	0	-1	-1	-2	-4	-3	-2	+1	+1	-2	-6	-6	-4	-2	-2	-3
December	+5	+4	+4	+4	+3	+2	+2	+1	0	0	-2	-3	-5	-8	-6	-3	+2	0	-2	-2	-3	-3	-1	0
Year	+5	+7	+7	+6	+5	+5	+4	+4	+2	0	0	0	+1	+2	+2	+3	+1	-4	-10	-12	-11	-10	-7	-2
Winter	+2	+2	+3	+3	+3	+3	+2	+2	0	-1	-1	-2	-4	-4	-2	0	+2	+1	-2	-4	-4	-3	-2	-2
Equinox	+3	+5	+6	+5	+5	+5	+5	+4	+2	0	+1	+1	+1	+2	+2	+4	+2	-3	-11	-12	-12	-10	-8	-2
Summer	+8	+12	+12	+9	+7	+6	+6	+6	+3	+2	0	+1	+5	+6	+6	+4	-1	-9	-16	-20	-18	-15	-10	-3

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 43 Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+18	+11	+6	+6	+14	+15	+13	+5	-5	-14	-8	-4	+10	+11	+12	+18	+7	+4	-2	-20	-31	-31	-25	-18
February	-1	0	-6	-10	-7	-9	+2	-3	0	+7	+6	+9	+14	+14	+16	+19	+14	+4	-8	-14	-22	-19	-10	-1
March	+1	+4	+10	+18	+3	+12	+10	0	+9	+9	+9	-27	-3	+19	+24	+18	-20	-27	-35	-9	-7	-13	-7	0
April	+120	+109	+104	+98	+63	+39	+50	+44	+40	+44	+55	+38	-78	-151	-129	-89	-84	-195	-108	-44	-41	+37	+41	+27
May	+10	+25	+13	-5	+18	+15	+25	+26	+28	-24	+17	+13	+5	-7	-33	-28	-13	-19	-30	-23	-13	-4	-10	+9
June	+18	+19	+38	+30	+9	0	-5	-14	-8	-7	-12	-23	+1	+8	+7	+5	-5	-17	-19	-6	-19	-7	+2	+7
July	+30	+67	+35	+14	+2	+2	0	+8	-4	0	-11	-34	-6	+7	+4	-4	-22	-30	-25	-25	-21	-17	0	+26
August	+25	+24	+40	+20	+8	+2	-18	-8	-8	+11	+18	+9	+13	+17	+10	-8	-18	-33	-42	-35	-27	-16	-5	+10
September	+32	+25	+31	+28	+11	+6	+9	-16	-52	-40	-15	+1	-12	+18	+18	+10	+17	-11	-39	-29	-18	-3	+13	+21
October	+82	+109	+28	+19	+28	+23	+3	+5	-6	-7	-17	-58	+15	-21	-76	-60	-67	-53	-18	-12	-18	-2	+18	+75
November	+74	+49	+85	+68	+43	+47	+89	-65	+16	-177	-57	-34	-43	-54	-32	-51	+5	+5	-9	-11	-6	+10	+16	+21
December	+29	+25	+17	+7	+5	+4	+2	+1	-12	-8	-3	-3	-2	+9	+10	-9	-9	-13	-10	-22	-12	-8	-11	+1
Year	+36	+39	+33	+24	+16	+13	+15	-1	0	-17	-2	-9	-7	-11	-14	-15	-16	-32	-29	-21	-20	-6	+2	+15
Winter	+30	+21	+26	+18	+14	+14	+27	-16	0	-48	-16	-8	-5	-5	+2	-8	+4	0	-7	-17	-18	-12	-8	+1
Equinox	+59	+62	+43	+41	+26	+20	+18	+8	-2	+2	+8	-12	-20	-34	-41	-30	-38	-72	-50	-24	-21	+5	+16	+31
Summer	+21	+34	+32	+15	+10	+5	0	+3	+2	-5	+3	-9	+3	+6	-3	-9	-15	-24	-28	-22	-20	-11	-3	+13

DECLINATION (minutes) (Disturbed Days)

Table 44 Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-1.6	-1.9	-.8	+.8	-.3	-.2	-.2	0.0	+1.4	+1.9	+2.2	+4.0	+1.9	+.8	-.1	+.6	-.8	-.8	+.3	+1.5	-1.1	-2.5	-3.1	-2.6
February	-3.9	-2.1	-1.1	+.4	+1.1	+1.5	+1.4	+2.0	+1.7	+2.0	+.4	+1.0	+.5	-.1	-2.7	-1.3	+1.7	+4.2	+1.4	0.0	-.5	-1.8	-3.0	-3.8
March	-5.7	-6.4	-5.8	-6.3	-1.8	-.6	+1.4	+2.8	+5.2	+3.9	+1.2	-1.5	+2.9	+3.8	+4.1	+6.6	+6.5	+1.2	+3.6	-1.2	-3.1	-3.8	-4.6	-2.8
April	-12.0	-12.4	-9.5	+.9	+.6	-1.6	-1.3	-.8	+.3	-1.4	0.0	+4.2	+2.7	+2.6	+10.8	+11.5	+13.9	+9.2	+2.6	-2.8	-4.2	-5.9	-4.3	-3.4
May	-7.5	-3.4	-5.2	-2.5	+.3	-3.9	-2.3	-.4	-3.3	+1.9	+1.9	+2.6	+1.7	+5.9	+8.0	+9.2	+7.3	+8.8	+3.1	-3.0	-5.1	-4.5	-4.6	-5.3
June	-8.4	-7.6	-7.8	-2.4	-2.6	-.2	-1.6	+.9	+1.6	0.0	-2.5	-3.1	+3.7	+5.5	+7.7	+10.0	+10.6	+9.2	+4.0	+.8	-1.2	-3.8	-6.4	-7.0
July	-7.0	-5.7	-2.7	-2.1	-1.4	+1.3	+1.0	+.4	+4.2	+2.8	+3.7	-1.0	+.1	+1.9	+5.7	+5.3	+6.5	+4.2	0.0	-1.0	-2.3	-3.1	-3.7	-5.9
August	-2.9	-3.3	-4.8	+.4	+.6	+4.4	+3.0	+.5	-.6	+1.1	+.4	-1.0	+.4	+3.4	+4.6	+6.4	+7.3	+4.3	-.8	-3.5	-5.0	-6.2	-4.8	-4.6
September	-4.8	-3.5	-1.8	+1.6	+1.9	+.9	+4.1	-2.7	-3.1	+3.8	+4.2	+.5	+.9	+3.6	+3.5	+5.6	+6.9	+3.3	-2.0	-4.9	-5.2	-5.8	-4.1	-3.7
October	-3.4	-3.8	-.5	+6.9	+2.5	+6.5	+6.2	+8.7	+4.6	+11.2	+5.2	+5.7	+1.8	-2.4	-9.9	-8.5	-10.0	-5.5	-4.3	-2.1	-2.0	-2.9	-2.4	-1.0
November	-1.8	-.3	-.5	+3.2	+5.5	+.3	+2.8	-.5	-1.2	+6.9	-7.7	-2.6	-.1	-4.6	-4.9	-.7	+.3	+.2	+4.0	+.2	-2.0	-2.0	+3.1	+1.2
December	-1.2	-2.5	-1.7	+2.5	+1.6	+3.2	+4.2	+6.2	+5.6	+4.5	+7.8	+4.4	+1.3	-2.2	-2.7	-4.8	-8.6	-4.7	-3.1	-3.2	-1.9	-2.1	-1.6	-2.2
Year	-4.9	-4.4	-3.5	+.3	+.7	+1.0	+1.6	+1.4	+1.4	+3.2	+1.4	+1.1	+1.5	+1.5	+2.0	+3.3	+3.5	+2.8	+.7	-1.6	-2.8	-3.7	-3.3	-3.4
Winter	-1.9	-1.7	-1.0	+1.7	+2.0	+1.2	+2.0	+1.9	+1.9	+3.8	+.7	+1.7	+.9	-1.5	-2.6	-1.6	-1.9	-.3	+.6	-.4	-1.4	-2.1	-1.2	-1.8
Equinox	-6.5	-6.5	-4.4	+.8	+.8	+1.3	+2.6	+2.0	+1.8	+4.4	+2.6	+2.2	+2.1	+1.9	+2.1	+3.8	+4.3	+2.0	0.0	-2.8	-3.6	-4.6	-3.8	-2.7
Summer	-6.4	-5.0	-5.1	-1.4	-.8	+.4	0.0	+.4	+.5	+1.4	+.9	-.6	+1.5	+4.2	+6.5	+7.7	+7.9	+6.6	+1.6	-1.7	-3.4	-4.4	-4.9	-5.7

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 45 Victoria 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+15	+19	+40	+43	+33	+24	+19	+16	+2	-19	-33	-52	-51	-32	-27	-12	-9	-9	-6	-2	0	+9	+13	+20
February	+10	+11	+16	+20	+21	+22	+8	+4	+13	+7	-3	-19	-18	-16	-20	-26	-14	-7	-7	-8	-5	0	+3	+6
March	+3	+11	+37	+63	+57	+67	+59	+26	-11	-22	-17	-78	-63	-33	-13	-8	-22	-39	-32	-16	-10	-10	+15	+30
April	+85	+85	+135	+163	+127	+79	+55	+28	-23	-35	-40	-65	-113	-201	-132	-98	-74	-152	-45	+11	+25	+56	+66	+56
May	+40	+64	+58	+45	+42	+14	+10	+13	+10	-54	-9	-9	-27	-47	-63	-58	-32	-16	-12	-6	-1	+3	+9	+19
June	+19	+32	+34	+44	+64	+57	+33	+2	+6	-15	-29	-56	-21	-19	0	-4	-12	-22	-27	-25	-27	-18	-9	-2
July	+55	+74	+80	+60	+42	+46	+27	-30	-38	-67	-63	-46	-69	-39	-35	-30	-34	-45	-29	-9	+10	+25	+49	+66
August	+29	+46	+69	+66	+46	+74	+71	-25	-62	-55	-33	-29	-22	-18	-9	-21	-32	-45	-40	-29	-15	-1	+10	+23
September	+59	+65	+67	+34	+38	+33	+9	-81	-93	-105	-73	-42	-70	-39	-15	-10	+6	+6	+4	+16	+29	+40	+57	+63
October	+90	+124	+102	+80	+104	+69	+22	+22	-3	-35	-77	-174	-94	-128	-181	-113	-82	-38	+8	+26	+37	+55	+71	+104
November	+132	+106	+135	+157	+94	+79	-14	-139	-20	-98	-77	-95	-105	-86	-67	-102	-20	-10	-13	+13	+18	+26	+38	+48
December	+19	+20	+30	+63	+66	+50	+39	+33	+3	-5	-17	-31	-61	-80	-71	-54	-44	-31	-10	-2	+10	+21	+28	+32
Year	+46	+55	+67	+70	+61	+51	+28	-11	-18	-42	-40	-58	-60	-62	-53	-45	-31	-34	-17	-3	+6	+17	+29	+39
Winter	+44	+39	+55	+71	+53	+44	+13	-22	0	-29	-34	-49	-59	-54	-46	-48	-22	-14	-9	0	+6	+14	+20	+26
Equinox	+59	+71	+85	+85	+82	+62	+36	-1	-32	-49	-52	-90	-85	-100	-85	-57	-43	-56	-16	+9	+20	+35	+52	+63
Summer	+36	+54	+60	+54	+48	+48	+35	-10	-21	-48	-34	-35	-35	-31	-27	-28	-28	-32	-27	-17	-8	+2	+15	+26

THREE-HOUR RANGE INDICES, VICTORIA, 1960

Table 46

January	D		H		Z		K		February D		H		Z		K	
1	1223	3210	2212	1120	0010	0100	2223	3220	1235	4321	0223	3211	0012	2211	1235	4321
2	1221	3321	0122	1330	0001	2100	1222	3331	1213	3454	1212	2333	0001	1232	1213	3454
3	2222	4321	1222	2331	0000	2111	2222	4331	1134	4433	2222	3333	1011	3222	2234	4433
4	2223	3321	2123	3221	0012	1010	2223	3321	3344	3432	2334	2332	2122	2211	3344	3432
5	2434	6433	2333	4323	1334	5321	2434	6433	1135	5432	2034	2333	0026	5231	2136	5433
6	3411	1332	3311	1221	2210	0100	3411	1332	5553	3322	3353	2222	3333	2221	5553	3322
7	1023	1312	1122	0221	0002	2011	1123	2322	3233	2221	2222	1111	1112	0121	3233	2221
8	1201	2322	1200	0111	0010	0111	1211	2322	1044	4322	1233	3321	0013	4111	1244	4322
9	2101	1212	1112	1211	0000	0110	2112	1212	3001	1331	2112	1221	1000	0100	3112	1331
10	2145	6644	1245	4564	0046	3323	2246	6664	2323	3211	1223	2121	0102	1110	2323	3221
11	3444	4422	3344	4322	1153	4321	3454	4422	1012	3333	1012	1332	0001	1121	1012	3333
12	3142	3333	3131	2222	1031	2311	3142	3333	3122	2211	2222	1220	0011	0010	3222	2221
13	2223	1242	2223	1333	0012	1121	2223	1343	1013	2132	2122	1243	0001	0112	2123	2243
14	4345	4454	4345	3354	3144	4234	4345	4454	3454	5442	3343	3342	2345	2321	3455	5442
15	5433	4321	5433	3331	5522	3121	5533	4331	1110	4431	2011	3421	0000	4310	2111	4431
16	1210	2323	2110	1323	0000	0001	2210	2323	2223	5633	2213	4432	0102	5521	2223	5633
17	2332	4322	2223	3212	0022	2101	2333	4322	3444	3433	3342	3424	2234	2122	3444	3434
18	2156	6442	2344	5321	0144	5210	2356	6442	4454	4444	4343	3333	3233	3122	4454	4444
19	3124	2321	2111	2311	1102	1221	3124	2321	2145	3453	2234	3453	0013	3132	2245	3453
20	2235	4432	2433	3432	0114	3331	2435	4432	4334	4333	3322	2233	3232	2112	4334	4333
21	4236	6554	5335	5544	4236	6332	5336	6554	4345	5422	3342	3431	2134	3310	4345	5432
22	3335	2423	3233	2332	1235	2111	3335	2433	1143	3321	2132	2322	0022	2111	2143	3322
23	3344	4433	2332	4443	1132	3322	3344	4443	1432	2321	2322	2332	1110	2211	2432	2332
24	4443	4332	3333	3332	1223	2211	4443	4332	1320	0221	1220	1221	0000	0100	1320	1221
25	2333	4322	1221	2321	0011	1211	2333	4322	1021	1321	1021	0121	0021	0110	1021	1321
26	1323	2321	2221	2221	1012	0210	2323	2321	0022	2432	1013	1321	0000	0201	1023	2432
27	3303	2312	2312	1222	1112	1001	3313	2322	2434	4432	3344	3433	2324	3211	3444	4433
28	2012	3232	2011	1122	0000	1101	2012	3232	1033	2322	2232	2122	1032	0000	2233	2322
29	2213	3211	3333	2211	0213	2100	3333	3211	3233	3322	2333	2333	1123	1122	3333	3333
30	1000	1211	2001	0101	0000	0100	2001	1211								
31	1001	1221	2102	1210	0000	0100	2102	1221								

March	D		H		Z		K		April D		H		Z		K	
1	3333	3332	3232	2232	1112	2111	3333	3332	7757	7775	7769	9876	7867	9975	7869	9976
2	3343	4333	3243	3233	2244	4121	3344	4333	4566	4233	6466	5234	5465	6112	6566	6234
3	2444	3322	2344	3222	1133	3311	2444	3322	4664	3342	6664	2333	5766	1221	6766	3343
4	2132	4323	2212	4323	1011	3221	2232	4323	2212	3333	3422	3334	1310	2222	3422	3334
5	2152	3332	2242	3222	1232	2221	2252	3332	3543	3430	4542	3531	2322	3310	4543	3531
6	3524	3322	2422	2122	2323	1110	3524	3322	0333	4432	1331	3323	0121	2211	1333	4433
7	0011	1111	1101	1110	0000	0000	1111	1111	3430	2341	3330	2552	3220	0331	3430	2552
8	0454	3422	0343	3223	0134	3311	0454	3423	4244	1222	3333	2223	2223	2111	4344	2223
9	1133	3412	2232	2322	0012	1212	2233	3422	2444	2122	4433	1123	3243	1112	4444	2123
10	1155	3432	1134	1332	1144	1221	1155	3432	2545	4335	3434	4334	1334	4115	3545	4335
11	2545	4542	2345	4432	1236	5221	2546	5542	3433	3321	4332	3324	4322	1212	4433	3324
12	1133	3222	1122	2112	1011	1111	1133	3222	5563	3332	5453	3333	4453	3122	5563	3333
13	1120	0321	2110	0111	1000	0110	2120	0321	6663	2232	4342	2224	3452	1112	6663	2234
14	1314	1312	2122	1212	1013	1101	2324	1312	3433	3212	3222	2223	2123	3112	3433	3223
15	2011	2443	2111	2444	1000	1223	2111	2444	4534	2231	4433	2232	2423	2121	4534	2232
16	6764	3333	5663	2333	7685	2221	7785	3333	1424	5543	2333	4444	2223	5432	2434	5544
17	2354	3331	3343	1322	1154	2221	3354	3332	5455	3332	4244	1234	3344	1122	5455	3334
18	1663	2112	2332	2112	1221	1001	2663	2112	5354	2211	5233	2212	4244	3211	5354	3212
19	1113	4221	2123	2201	1012	2211	2123	4221	3231	1200	3121	1100	2010	0000	3231	1200
20	1212	2210	1211	0111	1100	0221	1212	2221	1021	1000	2112	1100	0001	1010	2121	1110
21	0032	5310	0121	4111	0032	4210	0132	5311	0001	1210	1001	1221	0000	0111	1001	1221
22	0021	3111	1121	2112	0010	2112	1121	3112	1222	2220	2222	1211	2001	2111	2222	2221
23	0302	1111	1211	1112	0102	1101	1312	1112	1211	1222	2222	1124	2101	0012	2222	1224
24	3333	2423	3312	1323	3213	1121	3333	2423	6652	4444	5652	5455	7662	5234	7662	5455
25	0021	2122	1121	2123	0000	1011	1121	2123	5565	4433	7554	4433	6554	3432	7565	4433
26	1034	1111	2122	2112	0012	0010	2134	2112	3143	2321	3333	2213	2342	2112	3343	2323
27	1334	2000	2322	0010	0112	0010	2334	2010	2142	4245	2232	2234	2121	3125	2242	4245
28	0134	4433	1134	3433	1024	2221	1134	4433	5677	6331	6677	7443	5786	7442	6687	7443
29	3444	1212	4353	1123	3343	0111	4454	1223	5586	5323	5465	5443	5576	5232	5586	5443
30	2113	2432	2222	2323	2112	1212	2223	2433	5677	8874	6555	9887	6565	9885	6677	9887
31	3557	6775	3437	6777	3357	7667	3557	7777								

THREE-HOUR RANGE INDICES, VICTORIA, 1960

May	D		H		Z		K		June D		H		Z		K	
1	5454	4222	7554	3223	4344	3112	7554	4223	2656	5111	3545	4222	3534	4221	3656	5222
2	2543	2221	3432	3232	2322	2121	3543	3232	2011	2211	3012	1111	1001	1111	3012	2211
3	1334	2210	2222	2221	1113	1110	2334	2221	1011	2222	1012	2222	0001	1111	1012	2222
4	1111	1222	1110	2223	1010	1112	1111	2223	4564	4424	5663	3335	4765	4214	5765	4435
5	1032	3223	3232	2234	2132	1112	3232	3234	3576	4332	4465	4334	5565	5223	5576	5334
6	2555	5564	4444	4566	3243	3245	4555	5566	3554	3211	4433	3322	4445	4322	4555	4322
7	4864	4433	5644	5434	5753	4223	5864	5434	3343	2132	4334	3132	3223	2122	4344	3132
8	2567	6644	3558	8756	2358	7734	3568	8756	2454	3343	3433	3344	3343	3224	3454	3344
9	2334	4311	3434	3232	2223	2211	3434	4332	4553	3231	4343	3332	3422	2221	4553	3332
10	2133	4322	3222	3334	2011	3222	3233	4334	2211	1221	2121	1222	1100	1111	2221	1222
11	3765	2332	3554	2234	2454	3223	3765	3334	2221	1210	3111	1211	2200	0111	3221	1211
12	2555	4311	3344	3323	2343	4212	3555	4323	1122	2220	2111	2221	1011	0112	2122	2222
13	2322	2233	3222	2223	2112	1113	3322	2233	1122	2321	3221	1322	3111	1211	3222	2322
14	3345	3311	3323	1322	2133	1211	3345	3322	3244	4211	3232	3121	2213	3211	3244	4221
15	0233	3221	1233	3221	0123	3110	1233	3221	2243	4121	3232	3232	2233	2122	3243	4232
16	1322	4544	2222	4455	1122	3333	2322	4555	3331	1211	4221	1222	3210	1121	4331	1222
17	3143	3221	3343	3312	3132	2111	3343	3322	1110	2321	3200	2322	2100	1111	3210	2322
18	0321	2210	3221	1221	1010	1111	3321	2221	2324	3322	4222	2332	2213	2221	4324	3332
19	1333	1111	3222	1122	1111	1111	3333	1122	2546	3211	4334	3222	2243	2121	4546	3222
20	1302	2211	2211	0112	1100	1011	2312	2212	1232	1111	3212	2212	2221	2111	3232	2212
21	1123	3210	2122	1221	1001	1110	2123	3221	2523	3333	3423	3333	2322	2121	3523	3333
22	1101	3212	2111	2223	1100	1111	2111	3223	1413	2221	3323	2123	2322	2122	3423	2223
23	1122	4443	2122	4444	1111	2222	2122	4444	2421	2322	4322	2223	3211	2222	4422	2323
24	4365	4322	4444	4333	2244	4221	4465	4333	2233	3332	4332	2233	3212	2112	4333	3333
25	3443	4321	3332	3233	2333	4121	3443	4333	2223	4443	3212	3444	3212	3223	3223	4444
26	3443	2323	3431	2234	3322	2113	3443	2334	4552	2322	4443	2233	4443	1112	4553	2333
27	4311	2222	4521	1223	5510	1112	5521	2223	6755	2443	6645	2455	6645	1334	6755	2455
28	3221	1133	2121	1145	2210	0123	3221	1145	3357	5332	4556	4233	3336	6222	4557	6333
29	6332	3353	7443	4444	6422	2233	7443	4454	4451	2234	3442	1245	3442	1133	4452	2245
30	2254	4321	3334	4323	2233	4421	3354	4423	5645	2443	5623	2453	7633	2232	7645	2453
31	2332	2322	2233	2234	1211	1122	2333	2334								

July	D		H		Z		K		August D		H		Z		K	
1	4543	3242	5443	3233	4442	2231	5543	3243	2434	4221	2322	4212	2233	2211	2434	4222
2	2344	3221	4444	3232	3244	3211	4444	3232	3544	3232	3423	2333	2333	2212	3544	3333
3	2233	2232	3222	2333	3213	3222	3233	3333	2123	1111	3212	1112	2212	1111	3223	1112
4	3334	3322	4343	2332	3344	2211	4344	3332	2326	1210	3233	0211	2123	3111	3336	3211
5	2235	3232	4333	2223	3223	3221	4335	3233	0112	1100	2012	0111	0001	0111	2112	1111
6	2313	3220	4313	2222	3303	3212	4313	3222	1124	1212	2134	1222	1023	1111	2134	1222
7	0132	0211	1110	1112	1112	1111	1132	1212	3222	2310	3221	1220	2112	1110	3222	2320
8	1122	0110	2111	0111	2101	0111	2122	0111	0153	2231	0232	2323	0132	1121	0253	2333
9	0122	1121	1022	1112	0011	0112	1122	1122	2555	3221	2444	3322	3245	3111	3555	3322
10	2131	1111	3221	1222	2211	1111	3231	1222	1243	3322	3243	2333	1233	1212	3243	3333
11	2223	2332	3323	2322	3102	1121	3323	2332	2545	3332	3432	2323	2334	4222	3545	4333
12	2343	3121	4323	3122	3222	1111	4343	3122	2364	3311	3353	3222	3355	5111	3365	5322
13	2433	2321	4333	2322	3122	2211	4433	2322	0213	3221	2212	3221	1101	3110	2213	3221
14	1554	2644	2423	3545	1334	3233	2554	3645	2323	2332	2322	2333	1111	2322	2323	2333
15	3355	6665	4444	5648	2235	5467	4455	6668	3323	1211	3312	2112	2212	1111	3323	2212
16	7686	4541	7676	5432	6676	5341	7686	5542	1002	4542	2112	5555	2001	3333	2112	5555
17	4573	2222	4452	2233	3553	2212	4573	2233	7665	4443	6754	4653	7775	4543	7775	4653
18	3342	3301	4433	3322	3332	2311	4443	3322	2255	3211	3243	2111	3244	3110	3255	3211
19	0256	3322	1358	3334	1257	5322	1358	5334	2034	3443	3123	2344	1003	1222	3134	3444
20	3235	5332	3124	4234	2215	5122	3235	5334	1463	2332	3443	2343	2462	1221	3463	2343
21	2511	3211	4322	3223	3311	2111	4522	3223	3453	2422	4344	3333	2455	1222	4455	3433
22	1443	3222	3322	3223	2321	2112	3443	3223	3323	1221	3322	1222	3201	0111	3323	1222
23	2321	2211	4311	1222	2100	1111	4321	2222	2331	0221	2221	1122	1021	0011	2331	1222
24	1342	2321	2232	1332	2121	1111	2342	2332	2124	1110	2122	1111	1023	1010	2124	1111
25	1101	0111	2211	0122	0100	0111	2211	0122	1000	1110	2010	1111	1000	0000	2010	1111
26	1202	3222	2211	2224	1001	2112	2212	3224	0011	2211	1111	1212	0010	0101	1111	2212
27	1133	1100	3232	1101	2121	1000	3233	1101	2122	1332	3322	1433	3201	1232	3322	1433
28	1122	3122	1212	3222	1111	1211	1222	3222	2551	3211	3441	2212	2241	3101	3551	3212
29	3443	2442	4432	2443	4333	2333	4443	2443	4653	4434	5643	4333	3652	2222	5653	4434
30	3545	4331	5345	5233	3335	6112	5545	6333	5785	4321	5684	4322	4786	4411	5786	4422
31	4465	3331	5355	3323	5363	4211	5465	4333	1444	2101	2333	2102	2143	3101	2444	3102

THREE-HOUR RANGE INDICES, VICTORIA, 1960

September

	D		H		Z		K	
1	0010	1011	1011	0011	0000	0010	1011	1011
2	1433	4442	1222	2345	1122	4333	1433	4445
3	4562	4222	4353	3223	4352	2112	4563	4223
4	3566	4454	4475	5445	3376	6355	4576	6455
5	5788	5443	7687	6654	8898	5533	8898	6654
6	4542	2214	4342	1123	2331	1213	4542	2224
7	3453	6322	3233	5334	3123	5221	3453	6334
8	2255	4331	3352	2333	2253	3111	3355	4333
9	5452	4222	3331	2223	2232	3111	5452	4223
10	1243	2232	1332	2332	1132	1111	1343	2332
11	2230	1332	4331	1323	2220	1112	4331	1333
12	3233	2211	2234	1212	1122	0110	3234	2212
13	2454	3112	3343	3013	1343	2111	3454	3113
14	3424	2200	4412	1101	3213	2111	4424	2211
15	1221	1110	1121	0110	1000	0100	1221	1110
16	1001	1211	2001	1211	1000	1111	2001	1211
17	1000	2222	1200	1222	1000	0112	1200	2222
18	5423	2211	4323	2222	3323	1110	5423	2222
19	0020	1211	1121	1111	0010	0000	1121	1211
20	1023	1122	1021	1022	1002	1011	1023	1122
21	1013	2311	2112	2112	0003	2101	2113	2312
22	2331	3321	1220	2111	0120	0101	2331	3321
23	4245	1223	3344	1112	3224	2111	4345	2223
24	3355	2421	4334	2321	3335	1111	4355	2421
25	1000	1230	1101	0221	1000	0111	1101	1231
26	3043	0222	2222	1112	1122	0112	3243	1222
27	4443	2120	3332	1121	2241	1001	4443	2121
28	0133	2210	1113	1111	0013	0001	1133	2211
29	0043	4322	0032	4223	0011	3212	0043	4323
30	4344	5443	3232	3433	3243	4422	4344	5443
31								

October

	D		H		Z		K	
1	3556	5432	3566	4424	3576	5322	3576	5434
2	5366	5442	4355	6343	3265	6531	5366	6543
3	2136	3212	1123	2112	2014	3001	2136	3212
4	1033	4663	0122	3664	0013	2343	1133	4664
5	4565	4424	3433	3325	2343	2213	4565	4425
6	6785	7766	5668	7768	3679	8757	6789	8768
7	9877	6644	8878	7644	7677	6634	9878	7644
8	4356	3222	4433	4332	3334	2322	4456	4332
9	3665	4333	3543	4422	3434	2322	3665	4433
10	5521	0211	4311	0111	2310	0010	5521	0211
11	3365	2210	2252	2111	2254	2100	3365	2211
12	0112	1212	0111	1112	0002	1111	0112	1212
13	1121	1112	1221	1013	1000	0011	1221	1113
14	2001	0111	2102	0101	1000	0001	2102	0111
15	1214	3533	2313	2433	1113	3222	2314	3533
16	1111	3202	2111	2102	0010	3101	2111	3202
17	1023	2212	2121	2112	1021	1011	2123	2212
18	4343	5433	3243	3432	3243	2332	4343	5433
19	1432	1211	2331	1112	1122	2110	2432	2212
20	0443	2412	1233	1212	0113	2221	1443	2422
21	2044	1211	2042	0012	1032	1000	2044	1212
22	0220	1111	0120	0010	0020	0001	0220	1111
23	0000	1111	0010	1011	0000	0000	0010	1111
24	0002	3542	0112	3532	0002	3331	0112	3542
25	1165	7764	2256	6765	0146	5553	2266	7765
26	6676	5523	4566	5434	5566	5532	6676	5534
27	3534	4533	3434	3433	2335	5332	3535	5533
28	4566	5542	4445	5542	3346	6432	4566	6542
29	5555	6532	5344	5532	3246	5332	5556	6532
30	3464	5324	3455	3334	2254	4322	3465	5334
31	4454	4332	3233	3442	2233	1220	4454	4442

November

	D		H		Z		K	
1	2433	3311	2322	2112	1222	1111	2433	3312
2	2254	4221	3243	3123	1143	3011	3254	4223
3	4244	3323	4233	2213	2233	3102	4244	3323
4	5574	5333	3364	4323	4364	4422	5574	5333
5	1424	4111	2333	3011	2221	2100	2434	4111
6	0123	3122	0022	2012	0011	2011	0123	3122
7	3233	1000	3332	0000	1021	1000	3333	1000
8	0022	1200	0121	0010	0010	0000	0122	1210
9	1223	1100	1222	1001	0012	1000	1223	1101
10	0012	2211	0021	1111	0011	2100	0022	2211
11	2235	4322	2334	3232	0125	4121	2335	4332
12	0222	5677	1232	4786	0011	3455	1232	5787
13	7899	8775	6799	9975	8899	9863	8899	9975
14	6553	2333	5454	2433	5232	1333	6554	2433
15	4454	6557	4343	5546	2233	5456	4454	6557
16	7775	5433	8874	5434	8864	5423	8875	5434
17	2342	2333	3333	2332	1232	1121	3343	2333
18	2222	1100	2111	0000	1101	1000	2222	1100
19	0113	2111	0112	2002	0101	1001	0113	2112
20	1234	4312	2223	3212	0022	2211	2234	4312
21	0465	5553	1445	5544	0155	5442	1465	5554
22	5654	4312	4442	2312	3444	4211	5654	4312
23	2243	4211	2222	1011	1112	1101	2243	4211
24	2142	3323	2242	2124	1132	1112	2242	3324
25	2566	5343	3465	4443	2255	4332	3566	5443
26	2544	4232	2432	3131	2332	4111	2544	4232
27	1153	4442	2322	2443	1132	3222	2353	4443
28	4544	4220	4333	3210	2223	2110	4544	4220
29	2313	2112	2213	3011	0002	2000	2313	3112
30	1322	2344	1222	1234	1111	0122	1322	2344
31								

December

	D		H		Z		K	
1	4775	6644	5675	5655	3775	5533	5775	6655
2	3334	5322	2333	5332	2223	5221	3334	5332
3	1424	2111	2323	1001	1223	0001	2424	2111
4	0023	3221	1131	2120	0020	2110	1133	3221
5	0213	4231	0312	2331	0103	2221	0313	4331
6	0334	5442	2323	3432	0124	4232	2334	5442
7	1423	5243	0323	4243	0122	3122	1425	5243
8	4533	3212	4434	2112	3323	1101	4534	3212
9	1535	4422	3433	3322	1333	3311	3535	4422
10	2223	2222	3212	2122	0003	2101	3223	2222
11	1233	3313	1122	3223	1112	2211	1233	3323
12	1234	4353	2233	2342	1123	2122	2234	4353
13	1344	4110	2243	3111	1143	4100	2344	4111
14	0033	2210	1123	2100	0011	1100	1133	2210
15	2345	7543	3244	6433	0134	5543	3345	7543
16	5656	4211	3436	5210	4355	5100	5656	5211
17	1343	1212	1232	1112	1011	0001	1343	1212
18	1355	5532	3344	2432	0134	2331	3355	5532
19	2234	2222	3223	2222	0113	2111	3234	2222
20	3545	4343	3344	3243	1233	3131	3545	4343
21	4323	4534	3232	3444	3212	2322	4333	4544
22	3444	3322	3333	2212	2323	3111	3444	3322
23	2335	4221	3334	4222	0223	3110	3335	4222
24	2233	4432	2211	3323	1102	3212	2233	4433
25	3214	2121	2122	1121	0101	1110	3224	2121
26	2443	5321	3332	2221	1133	3110	3443	5321
27	2354	4543	1345	4543	0235	4342	2355	4543
28	2236	5421	3135	4331	1135	4321	3236	5431
29	4143	3522	4343	2422	3232	1312	4343	3522
30	0523	3332	1333	2441	0233	2220	1533	3442
31	1444	4322	1343	3311	0223	2210	1444	4322