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OBSERVATORIES BRANCH

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OF THE

Dominion Observatory

OTTAWA

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VICTORIA MAGNETIC OBSERVATORY 1967

Geographic Coordinates: 48° 31'N; 123° 25'W Geomagnetic Coordinates: 54.3°N; 292.7°E

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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).

Magnetic Equipment

The basic observatory equipment was unchanged from that described in the preceding publications (Caner and Perry-Whittingham, 1962; Caner, Auld, and Kissinger, 1963; Auld and Moseley, 1965; Auld and Andersen, 1966 and 1967).

The adopted scale values for Ruska magnetograms are as follows:

D: Jan. 1 to Dec. 31, 1967	0.93 min/mm or 5.10 ± 0.02 γ/mm
	(γ/mm)
H: Jan. 1 to Jan. 20	2.38 ± 0.02
Jan. 20 to June 20	2.33 ± 0.02
June 20 to Oct. 10	2.28 ± 0.02
Oct. 10 to Nov. 20	2.33 ± 0.02
Nov. 20 to Dec. 31	2.38 ± 0.02
Z: Jan. 1 to Jan. 20	3.61 ± 0.03
Jan. 20 to June 20	3.71 ± 0.02
June 20 to Nov. 20	3.75 ± 0.02
Nov. 20 to Dec. 31	3.90 ± 0.02

Absolute Observations and Baseline Values

The procedures used were essentially those described by Auld and Moseley (1965) for the period following September 11, 1961. Baseline drift in all three components was negligible. The rms value of the observed minus adopted baselines is ± 0.6 minutes for declination, ± 3 gammas for the horizontal component, and ± 2 gammas for the vertical component.

Magnetic Reductions

The methods used were essentially those described by Auld and Andersen (1968), the only change being that the *K* indices were punched on computer cards and the *K* indices tables were set up and printed by computer means. Direct photo-offset reproduction of the computer output sheets was used for publication.

Victoria Magnetic Observatory
1967 Ruska Baseline Values

Declination D	Jan. 1 (0000) - Sept. 19 (2348)	22° 11.5′ East
	Sept. 19 (2348) - Dec. 31 (2400)	22° 11.2′
		(γ)
Horizontal intensity H	Jan. 1 (0000) - Jan. 20 (1725)	18812
	Jan. 20 (1725) - June 20 (1730)	18805
	June 20 (1730) - Oct. 10 (2324)	18870
	Oct. 10 (2324) - Nov. 20 (1745)	18868
	Nov. 20 (1745) - Dec. 31 (2400)	18797
Temperature correction (γ/mm T)	+9 when temperature is greater than reference level −5 when temperature is less than reference level	
		(γ)
Vertical intensity Z	Jan. 1 (0000) - Jan. 20 (1725)	53088
	Jan. 20 (1725) - April 30 (2400)	53090
	May 1 (0000) - May 10 (2400)	53089
	May 11 (0000) - May 20 (2400)	53088
	May 21 (0000) - May 31 (2400)	53087
	June 1 (0000) - June 10 (2400)	53086
	June 11 (0000) - June 20 (1730)	53085
	June 20 (1730) - Oct. 10 (2324)	53067
	Oct. 10 (2324) - Nov. 20 (1745)	53061
	Nov. 20 (1745) - Dec. 31 (2400)	53076
Temperature correction	−2 γ/mm T	
		(mm)
Temperature reference levels	Jan. 1 (0000) - Jan. 20 (1725)	5.0
	Jan. 20 (1725) - June 20 (1730)	4.2
	June 20 (1730) - Nov. 20 (1745)	12.5
	Nov. 20 (1745) - Dec. 31 (2400)	4.0

Magnetic Activity and Disturbance Indices

The procedures and information sent out remain unchanged from those described by Caner and Loomer (1961) and by Auld and Andersen (1966).

Summary of Annual Mean Values

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

Summary of Annual Mean Values

Year	D East	H	Z	X*	Y*	I*	F*
	° ′	γ	γ	γ	γ	° ′	γ
1956.6	23 00.2	18689	53427	17203	7303	70 43.2	56601
1957.75	22 57.1	18705	53408	17224	7294	70 41.9	56589
1958.5	22 55.2	18713	53396	17236	7288	70 41.2	56580
1959.5	22 52.8	18736	53377	17262	7284	70 39.5	56570
1960.5	22 50.3	18748	53362	17278	7277	70 38.5	56560
1961.5	22 47.8	18787	53322	17319	7279	70 35.5	56535
1962.5	22 44.4	18804	53288	17342	7268	70 33.8	56508
1963.5	22 41.4	18814	53264	17358	7257	70 32.7	56489
1964.5	22 38.6	18837	53239	17385	7252	70 30.9	56473
1965.5	22 36.0	18860	53205	17412	7248	70 28.9	56449
1966.5	22 34.2	18873	53179	17428	7244	70 27.6	56429
1967.5	22 31.7	18888	53157	17447	7237	70 26.3	56413

*X, Y, I, F calculated from D, H, Z.

For the period 1966.5 - 1967.5, the decrease in declination was 2.5 minutes (the mean rate of decrease over the whole 12-year period being 2.6 minutes per year); the increase in horizontal intensity was 15 gammas (the mean rate of increase over the 12-year period being 18 gammas per year); the decrease in the vertical component was 22 gammas (the mean rate of decrease over the 12-year period being 25 gammas per year).

Acknowledgments

The help of the Director and staff of the Dominion Astrophysical Observatory is greatly appreciated.

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HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 1 VICTORIA H = 18,500 GAMMA + JANUARY 1967

HOUR =	CC TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	393	394	390	388	390	383	383	385	382	385	388	393	402	403	396	368	405	413	384	361	362	365	377	380	386
2	395	390	390	387	381	387	387	386	381	382	384	382	387	385	385	385	385	382	368	367	367	371	375	384	382
3	387	389	385	380	386	376	384	386	390	389	391	393	385	378	396	387	380	386	378	362	360	361	369	378	382
4 Q	383	389	391	390	386	388	387	385	385	384	384	385	386	389	389	393	391	388	378	364	358	361	367	375	382
5	387	391	393	394	395	393	393	390	391	391	389	390	393	394	397	399	402	400	395	383	380	376	378	389	391
6	398	398	394	394	396	397	395	399	391	397	402	402	408	400	402	403	406	408	398	383	377	382	388	392	396
7 D	400	401	403	398	392	387	387	380	381	373	374	387	394	400	405	384	403	383	370	343	371	373	371	364	384
8 D	373	376	388	344	354	333	352	306	288	275	207	294	337	357	366	329	299	325	339	346	345	349	355	356	333
9	354	353	347	352	348	357	361	365	366	368	373	370	366	378	376	385	387	375	366	362	357	359	362	362	365
10	368	373	377	375	377	375	375	374	372	375	374	375	379	380	380	382	379	373	361	356	356	361	366	375	372
11	365	369	371	372	375	381	374	375	369	370	375	378	382	372	389	400	393	376	352	345	344	343	351	362	370
12 Q	376	377	377	380	381	380	380	381	381	382	382	384	386	385	387	390	389	378	364	362	365	378	387	396	380
13 D	398	397	397	397	396	393	388	383	392	375	386	392	388	405	407	403	397	392	379	373	362	358	339	325	384
14 D	308	306	409	417	307	284	278	273	265	262	334	332	339	342	346	344	342	336	330	332	337	346	360	366	329
15	370	361	368	370	369	368	365	365	363	360	362	364	371	372	367	372	368	356	347	359	364	369	376	372	366
16	370	374	368	373	369	367	374	365	363	362	355	368	377	378	373	384	389	380	367	358	354	352	361	371	369
17	381	384	381	384	383	378	377	377	379	382	380	383	385	383	383	382	378	367	368	370	374	379	381	391	380
18	394	391	389	387	391	389	390	388	387	389	393	393	393	398	396	398	396	381	366	359	367	375	386	387	387
19	387	387	391	388	387	386	384	385	384	383	387	391	394	395	397	396	395	384	372	360	366	376	384	390	385
20	390	388	386	378	377	387	388	385	397	382	379	383	388	397	405	394	402	402	380	371	369	365	366	372	385
21	370	368	360	358	353	351	355	361	361	364	369	369	373	375	383	382	381	389	374	362	355	357	363	369	367
22	375	371	379	381	381	378	377	378	380	379	383	383	385	383	384	385	389	381	371	360	354	358	369	373	377
23	385	385	383	386	387	379	371	373	378	385	388	388	391	389	393	394	394	384	374	366	367	366	368	373	381
24 Q	378	383	383	382	382	382	382	382	380	381	383	385	385	387	387	388	389	383	375	370	371	375	381	383	382
25	395	402	399	395	393	393	391	385	383	382	379	381	386	388	388	383	389	384	375	367	365	370	379	382	385
26	387	391	391	391	387	383	379	378	381	384	386	387	387	385	388	390	389	383	373	364	358	357	363	373	381
27	385	389	390	389	387	386	387	387	388	390	392	394	397	397	398	394	391	385	382	377	374	375	376	378	387
28	384	387	387	385	372	359	351	367	372	361	374	378	381	383	384	384	387	384	379	368	367	370	373	380	376
29	384	385	383	382	387	385	382	382	382	384	386	387	388	389	387	387	383	377	368	363	363	365	365	374	380
30 Q	378	385	386	387	385	385	383	382	382	385	382	385	384	387	388	386	387	385	372	362	359	362	372	376	380
31 Q	384	386	386	384	382	387	385	385	384	385	386	391	390	392	392	393	391	384	374	364	364	370	376	384	383
MEAN	380	381	385	383	379	376	376	374	373	372	374	380	383	385	388	385	386	381	370	363	362	365	370	375	377

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 2 VICTORIA D = 22 DEG 00.0 MIN + JANUARY 1967

	HOUR = 00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	31.6	32.0	33.7	33.7	36.1	33.3	33.6	32.4	33.3	32.9	29.4	29.9	36.6	33.7	36.1	31.1	22.9	30.4	34.3	35.3	33.1	30.6	30.3	30.0	32.3
2	29.3	31.6	31.9	32.4	33.8	32.7	32.5	32.9	34.1	32.4	32.1	33.6	33.2	33.1	33.9	33.0	35.2	36.5	35.9	34.8	32.5	31.9	31.0	31.2	33.0
3	31.0	31.7	31.7	32.4	32.6	33.3	33.9	33.1	33.0	32.2	29.9	33.7	33.9	30.7	32.7	33.3	33.3	34.1	36.0	35.2	33.5	32.2	32.1	30.5	32.7
4 Q	30.9	31.0	31.6	32.3	32.7	32.3	32.7	32.6	33.0	32.7	32.3	32.4	32.4	32.3	32.6	33.1	34.2	35.6	36.9	36.0	33.6	31.8	31.2	30.9	32.8
5	31.7	31.5	31.8	32.3	32.7	32.9	33.2	33.3	33.2	32.6	33.4	32.6	32.6	32.6	31.9	31.9	34.4	35.6	35.8	35.0	34.5	33.4	32.3	31.6	33.0
6	31.3	31.6	31.9	32.0	32.5	32.3	33.2	32.7	35.5	33.8	33.1	31.6	32.5	32.1	32.8	32.7	34.3	35.9	36.1	35.0	34.4	32.2	32.2	31.3	33.0
7 D	31.9	31.9	32.5	32.9	32.7	33.4	34.1	34.5	34.5	37.9	38.7	35.7	30.1	25.4	27.1	16.9	30.9	38.0	31.0	29.4	33.4	31.8	31.7	33.4	32.1
8 D	32.1	28.5	25.8	27.1	24.1	30.4	38.3	33.2	36.2	39.0	41.7	39.6	42.3	36.6	37.6	30.4	27.3	27.5	30.0	30.5	30.4	33.1	33.9	33.6	32.9
9	34.2	34.2	35.0	34.2	35.7	40.1	32.2	32.3	32.7	32.4	32.6	32.0	32.0	33.2	30.2	29.5	35.6	35.5	35.6	33.6	32.8	32.6	32.7	32.7	33.5
10	32.3	33.5	33.8	34.0	33.9	33.2	32.9	32.8	32.6	32.4	32.9	32.5	32.9	33.3	32.9	33.9	35.7	35.8	35.8	33.4	31.4	31.0	32.8	32.5	33.3
11	32.2	33.7	33.6	34.1	33.9	33.2	33.9	34.9	35.2	34.3	33.3	32.7	32.5	27.3	30.1	36.5	38.9	38.5	38.0	31.2	25.6	26.7	28.4	28.0	32.8
12 Q	32.7	32.5	32.7	33.7	33.8	33.1	33.5	33.2	33.0	32.3	31.8	32.5	32.2	32.9	32.1	33.5	35.8	36.6	37.5	36.1	32.6	30.7	30.2	30.4	33.1
13 D	31.4	32.8	33.2	34.7	34.3	33.4	34.1	34.7	35.7	34.8	33.7	34.6	24.7	40.0	40.1	38.4	38.2	36.7	35.4	30.8	30.7	25.4	26.1	27.6	33.4
14 D	28.1	25.8	17.4	36.6	33.3	35.5	42.4	40.6	48.5	43.8	33.2	31.2	32.4	33.5	33.1	35.0	37.0	37.9	37.0	34.4	31.9	30.6	31.0	31.0	34.2
15	31.9	32.5	33.1	32.6	33.9	33.8	33.2	33.2	32.7	33.5	34.4	32.0	34.2	34.0	33.6	35.1	37.6	37.4	33.8	31.7	29.2	28.7	29.2	29.6	33.0
16	30.7	32.4	32.8	34.0	34.5	36.7	38.1	34.0	34.6	35.8	35.3	35.3	33.8	35.2	32.8	36.8	38.1	38.1	36.1	34.4	32.5	30.1	29.1	29.0	34.2
17	29.8	31.3	31.8	32.8	33.3	32.9	32.3	33.4	33.0	30.7	33.1	33.0	32.7	33.3	32.6	34.0	37.0	35.9	35.2	33.2	31.4	30.1	29.7	29.6	32.6
18	30.7	31.7	32.6	32.7	33.2	33.5	33.3	32.3	32.5	32.4	32.7	32.3	33.4	32.5	32.8	32.4	35.2	36.5	34.8	34.4	30.3	29.6	30.2	31.1	32.6
19	31.8	32.5	32.4	33.6	32.8	33.5	33.6	32.7	32.6	32.7	32.2	32.6	33.2	32.8	32.7	34.4	35.3	36.6	37.2	32.8	30.8	28.8	29.1	30.3	32.8
20	30.9	32.5	32.5	32.1	33.5	32.9	33.0	32.7	34.3	35.1	36.1	35.1	38.1	34.8	35.4	30.5	31.0	31.8	30.2	28.5	28.0	29.3	30.1	29.1	32.4
21	30.4	32.7	32.8	32.9	32.4	30.5	35.6	34.4	33.9	32.2	34.2	34.3	33.9	32.4	34.8	34.0	34.4	34.6	37.3	36.9	35.2	33.3	30.4	30.6	33.5
22	30.5	31.6	31.6	32.2	31.9	32.6	32.9	32.6	32.6	32.2	32.0	32.8	32.7	33.2	32.6	33.0	33.8	35.0	35.3	34.3	33.8	32.4	31.5	31.3	32.7
23	31.4	32.4	31.4	32.7	32.0	32.0	34.8	33.4	33.1	31.9	32.0	32.4	31.8	31.8	31.9	31.8	34.1	35.3	36.2	33.9	33.4	32.2	31.2	31.8	32.7
24 Q	31.1	31.3	32.2	33.2	32.8	32.6	32.5	31.9	32.8	31.8	32.0	31.7	32.2	32.0	31.9	32.8	34.2	34.2	35.2	34.3	33.5	32.0	30.9	31.5	32.5
25	31.2	31.6	32.8	32.7	33.4	32.8	33.4	32.2	32.1	33.9	33.2	33.7	32.2	33.4	32.2	30.6	34.6	35.9	35.6	35.1	33.7	31.9	31.1	31.4	32.9
26	31.4	32.1	32.0	31.7	32.2	31.9	33.3	33.1	31.4	32.3	32.0	32.7	33.6	33.0	32.0	32.8	33.7	35.5	34.8	35.8	33.9	32.3	31.7	30.9	32.8
27	30.6	30.9	31.6	31.6	32.3	31.4	31.8	31.7	31.6	31.5	31.4	31.5	32.4	32.6	32.5	31.9	34.3	36.1	35.3	34.5	34.2	32.0	31.6	29.9	32.3
28	30.3	31.7	32.0	31.9	30.7	32.6	33.8	35.2	38.1	34.0	31.7	32.4	32.8	32.4	32.8	34.3	34.9	35.7	34.7	34.5	32.8	32.1	31.5	31.7	33.1
29	31.6	32.1	32.4	34.5	32.8	32.6	32.3	33.6	34.3	31.9	31.9	32.6	32.4	33.0	33.1	33.3	36.1	36.4	36.1	35.1	33.8	32.4	31.1	30.5	33.2
30 Q	30.0	31.4	31.3	31.5	32.1	32.4	32.3	31.8	31.6	31.3	32.1	31.2	32.4	32.4	33.3	33.9	35.4	37.5	36.9	35.4	33.4	32.3	30.7	31.0	32.6
31 Q	30.0	30.9	32.4	31.6	32.8	32.1	31.8	31.8	32.1	32.6	32.2	31.6	32.5	32.0	33.3	33.3	34.9	36.6	36.1	34.9	33.0	31.2	30.0	28.8	32.4
MEAN	31.1	31.7	31.8	32.8	32.9	33.1	33.8	33.3	34.0	33.5	33.1	33.0	33.1	32.8	33.0	32.7	34.5	35.6	35.4	33.9	32.4	31.1	30.8	30.7	32.9

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 3 VICTORIA — Z = 53,000 GAMMA + — JANUARY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	159	161	161	159	161	160	160	161	161	160	157	135	130	118	126	124	114	115	125	136	146	153	161	161	146
2	162	165	164	164	164	168	166	165	166	166	164	168	168	166	163	163	165	161	157	160	164	166	165	168	165
3	168	171	172	176	173	171	172	170	168	166	153	147	150	149	157	158	166	167	166	165	169	168	170	168	165
4 Q	169	170	169	169	167	167	167	166	165	164	166	167	166	166	167	168	169	167	168	166	164	163	161	166	167
5	163	167	166	165	165	164	162	162	161	158	159	161	161	162	163	162	165	162	158	159	159	159	156	160	162
6	164	166	167	166	167	165	164	165	163	158	162	161	161	160	162	162	165	159	153	155	160	158	159	156	162
7 D	157	161	163	159	161	159	159	158	151	131	133	146	132	97	84	93	90	122	135	137	156	157	160	160	140
8 D	164	173	208	284	328	332	249	124	164	160	45	72	76	96	110	99	103	128	161	180	184	183	185	182	166
9	173	176	175	175	174	175	178	173	171	168	170	165	176	174	169	163	168	168	168	171	168	168	170	167	171
10	167	173	171	172	174	172	172	171	171	170	172	168	167	168	169	172	174	174	174	171	168	165	165	166	170
11	166	173	175	175	174	173	171	168	165	171	173	171	169	158	153	160	167	162	151	152	153	159	175	178	166
12 Q	166	169	171	171	171	169	172	170	169	168	169	167	167	166	168	170	173	174	175	173	165	165	164	163	169
13 D	167	168	167	168	168	166	167	169	162	164	170	168	127	108	150	162	163	163	162	160	156	158	163	172	160
14 D	194	284	407	437	297	253	219	195	185	163	205	207	204	202	201	199	201	200	201	198	199	196	195	192	226
15	187	185	186	185	185	183	183	183	185	185	186	177	181	178	181	185	187	180	180	181	177	179	184	183	183
16	182	185	187	188	185	183	182	181	183	180	176	184	184	181	178	179	182	178	178	176	176	177	175	181	181
17	182	185	185	183	185	179	180	183	182	181	179	181	180	180	178	178	179	170	172	172	173	171	172	179	179
18	175	179	178	177	179	177	177	176	176	175	176	176	175	173	172	173	172	170	167	170	170	169	170	173	174
19	175	178	178	176	174	175	174	172	173	174	174	174	174	174	174	176	176	173	172	165	169	170	171	171	173
20	165	170	169	171	170	171	171	167	158	147	155	163	156	149	137	135	138	134	129	135	140	147	157	165	154
21	168	173	175	179	180	181	185	185	183	176	162	172	172	171	168	169	179	174	170	172	169	164	167	172	174
22	175	174	176	177	176	174	174	173	173	173	172	170	171	172	172	175	180	180	178	177	176	169	169	170	174
23	175	175	173	175	175	171	173	175	172	171	164	169	169	170	172	172	178	177	176	170	167	165	168	170	172
24 Q	170	171	173	172	173	171	172	171	170	171	167	170	167	169	169	172	172	171	165	169	164	162	162	165	169
25	168	170	168	168	167	168	166	166	166	165	164	162	159	158	163	166	171	168	165	165	168	167	167	166	166
26	166	169	167	168	167	168	169	170	171	170	167	164	165	165	167	167	173	173	169	173	169	167	168	164	168
27	165	167	168	167	167	167	167	168	168	167	166	165	164	164	163	165	167	170	168	167	166	165	167	164	166
28	165	165	165	168	170	179	192	198	181	183	183	179	174	174	172	173	173	172	171	172	173	171	169	169	175
29	169	172	169	171	171	170	169	169	170	171	171	170	169	167	169	169	171	170	167	169	166	165	162	164	169
30 Q	167	170	169	169	169	169	166	172	171	169	172	169	169	169	168	169	171	171	167	164	164	165	160	161	168
31 Q	167	172	170	169	168	169	170	169	168	168	170	168	169	170	167	169	170	167	162	161	163	162	164	164	167
MEAN	170	175	180	184	181	179	176	171	170	168	165	165	163	160	162	163	165	165	165	166	166	166	168	169	169

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 4 VICTORIA — H = 18,500 GAMMA + — FEBRUARY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	389	392	382	378	374	375	378	377	382	388	388	386	387	391	388	391	391	385	376	365	362	364	370	373	381
2 Q	379	387	387	385	388	388	388	384	388	389	392	389	391	391	394	392	392	388	375	367	364	366	370	372	384
3 Q	379	386	386	386	386	384	384	385	380	380	382	385	393	394	394	399	396	392	379	369	366	366	367	372	383
4	385	393	397	393	389	383	378	380	383	387	390	396	398	400	392	404	404	396	385	373	371	376	356	351	386
5	346	365	367	375	368	366	374	374	376	380	384	391	390	386	388	371	379	388	378	369	361	359	361	366	373
6	373	380	381	372	369	375	377	379	386	385	385	389	388	392	392	394	394	389	375	365	364	368	370	371	380
7 D	383	391	391	392	390	390	388	388	389	391	394	394	395	395	397	392	358	356	383	339	304	296	290	317	371
8 D	334	340	322	323	339	377	353	344	325	301	289	316	322	344	337	370	371	365	358	359	347	342	333	340	340
9	353	356	366	367	365	361	369	371	365	364	367	368	367	369	367	368	372	367	353	344	341	345	352	362	362
10 Q	370	375	375	375	379	376	376	374	375	376	376	379	380	381	380	378	376	369	357	351	349	355	361	369	371
11	374	383	383	382	379	369	350	364	364	374	378	379	378	382	385	386	391	391	380	364	358	360	364	369	374
12 Q	380	386	389	388	385	387	385	386	384	386	388	389	390	389	389	387	384	386	376	365	359	362	366	375	382
13 Q	377	388	389	391	390	390	387	389	389	388	390	389	392	390	389	391	391	394	390	372	359	354	360	364	383
14	374	379	382	381	379	378	380	380	377	384	386	389	387	387	388	389	389	389	383	370	361	361	369	375	380
15	387	390	390	388	389	387	387	384	388	388	389	392	392	393	396	397	395	394	386	371	359	355	365	383	385
16 D	406	417	399	402	401	395	395	395	412	384	268	96	207	293	315	341	342	329	299	313	300	316	321	334	337
17 D	341	353	345	347	348	353	356	361	365	361	360	353	368	357	364	362	374	373	367	356	345	336	341	352	356
18	363	371	370	369	363	367	362	364	367	373	372	372	373	377	380	382	381	377	369	358	352	351	353	361	368
19	370	378	380	381	378	377	374	380	380	377	379	381	385	392	394	399	393	378	367	353	350	350	357	363	376
20	378	387	386	387	387	386	389	388	388	388	392	390	389	391	391	392	394	388	381	371	363	360	364	370	383
21	384	389	394	393	390	389	390	390	392	394	394	399	395	394	390	383	381	385	375	369	363	363	366	367	385
22	374	378	380	381	381	383	380	381	378	380	377	383	384	384	389	392	385	380	367	368	367	365	368	371	378
23	379	379	379	386	386	384	386	388	385	386	378	400	390	382	388	381	359	344	363	366	357	356	356	359	376
24	369	376	376	375	376	374	371	375	375	375	378	385	384	386	380	380	378	371	361	350	358	366	370	373	373
25 D	376	386	385	386	377	346	361	378	380	385	387	387	387	393	392	386	371	335	340	344	348	356	358	363	371
26	357	353	357	365	371	378	374	374	378	379	383	380	384	390	389	385	368	368	351	340	341	342	348	362	367
27	375	380	381	382	383	380	381	382	386	386	386	392	389	389	388	387	381	368	358	351	351	351	357	367	376
28	380	389	385	386	381	384	383	388	386	387	393	392	393	396	395	395	393	389	377	366	358	357	361	372	383
MEAN	373	380	379	379	378	378	377	379	379	379	376	373	378	382	383	385	382	376	368	359	353	354	356	363	374

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 5 VICTORIA C = 22 DEG 00.0 MIN + FEBRUARY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	28.7	30.4	30.5	31.0	32.4	33.5	34.0	34.9	32.1	33.9	32.9	33.1	32.5	32.6	32.4	32.6	35.3	36.9	36.6	35.4	34.3	32.5	31.3	30.8	32.9
2 Q	30.1	31.0	31.5	32.0	32.3	32.4	32.8	32.9	32.3	31.8	32.1	32.4	32.0	31.4	32.1	33.8	35.7	36.9	36.6	33.8	31.9	31.5	31.1	31.1	32.6
3 Q	30.6	30.7	32.0	31.5	31.9	32.1	31.8	33.0	32.5	32.3	34.6	34.4	32.3	32.5	32.6	32.4	34.2	36.6	36.9	36.5	34.1	32.8	32.6	31.3	33.0
4	29.6	30.6	30.7	31.2	31.2	32.9	32.1	32.5	31.1	33.2	32.5	31.2	33.5	31.3	31.5	28.7	32.8	34.5	36.8	33.8	33.2	31.4	30.4	28.2	31.9
5	29.3	29.1	30.4	31.2	34.3	34.7	33.0	33.7	32.9	33.0	33.1	33.7	33.0	32.9	33.5	32.9	28.1	34.6	35.2	35.1	33.7	33.2	32.5	31.8	32.7
6	30.9	31.6	32.1	33.4	32.2	32.5	32.0	32.7	34.2	31.6	31.5	32.4	33.7	33.7	32.7	32.6	33.5	35.0	35.9	34.1	33.2	32.5	30.9	31.0	32.7
7 D	30.4	31.2	30.8	31.9	31.9	31.8	31.9	32.3	30.9	31.9	31.2	32.4	31.7	33.7	32.8	34.6	36.7	22.2	33.6	33.8	22.7	29.2	30.1	28.7	31.2
8 D	29.4	28.8	30.0	32.7	30.8	28.0	30.0	33.6	41.5	42.0	36.1	28.6	38.4	38.5	26.1	36.8	37.0	37.8	37.7	33.8	32.0	31.8	29.3	29.6	33.3
9	27.6	29.9	31.6	31.6	31.1	31.5	34.2	33.0	32.1	32.5	31.8	33.4	33.0	33.4	32.7	33.8	34.8	36.2	36.0	35.7	33.9	32.0	30.4	30.2	32.6
10 Q	30.3	31.4	32.0	33.0	32.7	32.5	32.5	32.0	32.2	32.1	32.2	33.7	33.2	33.4	33.8	34.2	35.6	36.7	35.9	33.9	32.2	31.3	31.3	30.4	32.9
11	30.5	30.9	32.2	31.4	31.9	32.7	36.4	33.5	35.2	31.6	32.4	32.9	34.3	33.1	33.1	34.0	34.8	35.3	37.5	35.1	33.1	32.9	31.0	29.4	33.1
12 Q	29.3	30.8	31.9	33.0	32.7	32.7	32.8	32.2	32.0	31.4	32.3	31.9	32.9	32.6	32.9	33.9	35.7	35.8	36.3	35.3	33.2	31.5	31.3	29.5	32.7
13 Q	28.0	30.3	31.3	31.4	32.4	32.4	31.8	31.2	31.6	31.6	32.6	32.6	32.4	34.2	32.8	34.9	36.1	34.3	34.1	35.4	31.4	31.4	29.1	27.3	32.1
14	27.5	29.1	30.7	32.6	32.0	31.6	31.6	33.5	33.3	32.9	33.2	33.6	34.3	34.2	33.9	35.0	34.7	37.9	38.4	38.1	35.1	32.8	30.1	29.6	33.2
15	28.3	29.2	30.1	31.3	31.9	32.4	31.3	32.3	32.0	31.5	32.4	32.2	31.6	32.6	32.3	33.8	35.2	36.6	36.8	37.2	35.8	33.7	30.0	28.5	32.5
16 D	25.8	27.1	27.8	30.3	31.2	31.1	32.7	34.5	31.3	43.3	38.8	60.0	25.9	31.7	32.7	33.6	35.5	35.6	33.8	34.2	32.7	35.3	35.4	34.2	33.9
17 D	32.4	33.0	33.1	39.9	36.3	33.4	32.9	34.4	32.6	34.3	33.4	28.5	31.3	31.6	29.9	31.6	32.3	36.7	37.0	37.5	36.4	34.2	31.6	31.0	33.6
18	29.6	31.4	31.3	32.4	33.2	34.9	34.6	35.5	33.6	32.9	31.9	32.2	28.5	32.3	32.2	33.2	33.9	35.8	35.8	36.8	35.6	33.7	32.6	31.2	33.1
19	30.9	30.9	31.7	32.0	32.4	32.8	32.6	32.5	33.1	32.7	32.6	32.2	32.4	31.7	32.8	34.1	36.2	37.3	37.9	37.7	34.4	32.8	30.6	29.4	33.1
20	28.9	30.0	30.5	31.7	30.9	32.3	32.5	32.3	33.1	33.6	34.4	33.8	33.2	33.0	32.3	33.5	35.7	37.2	37.4	37.1	34.6	33.5	31.9	30.8	33.1
21	30.2	31.2	31.2	32.3	32.3	33.1	32.8	32.9	32.9	32.6	31.6	33.0	33.4	33.2	34.8	34.5	35.1	37.2	36.7	34.2	30.8	30.2	28.9	28.4	32.6
22	28.9	29.9	31.1	30.9	32.3	32.7	33.1	33.3	34.7	34.8	33.8	35.4	35.9	34.9	30.8	35.5	39.3	39.8	39.5	34.7	30.5	28.2	29.6	29.7	33.3
23	28.3	31.0	31.8	31.8	32.6	32.5	32.2	32.2	32.8	36.3	35.2	34.7	34.6	32.3	29.9	29.3	31.9	30.1	24.9	26.7	30.7	32.6	32.4	32.8	31.6
24	32.6	32.5	33.2	32.7	32.5	32.5	32.6	31.8	32.2	32.4	32.6	32.8	32.2	33.3	33.4	34.5	35.2	34.9	32.7	30.0	27.7	29.2	29.7	30.5	32.2
25 D	30.5	31.1	31.4	31.7	30.7	37.6	32.9	31.7	32.3	29.6	31.8	33.6	32.6	33.8	34.8	35.0	36.8	36.2	29.2	29.3	28.4	29.6	29.4	29.1	32.0
26	28.1	29.0	29.0	31.1	32.0	32.3	31.7	32.1	32.2	32.9	31.6	29.8	30.0	32.9	34.1	34.6	34.4	36.3	36.3	33.5	33.1	30.4	28.8	29.9	31.9
27	29.3	30.7	31.5	32.7	31.8	31.9	33.3	33.7	31.5	30.9	31.7	30.9	32.9	33.1	33.0	35.3	36.7	36.2	35.0	33.0	30.7	29.5	28.9	29.1	32.2
28	28.6	30.1	31.2	32.0	32.2	32.1	31.7	32.0	30.9	31.6	30.3	30.6	32.0	32.4	32.9	34.5	35.9	37.2	38.1	36.8	34.4	31.9	29.8	28.8	32.4
MEAN	29.4	30.5	31.2	32.2	32.2	32.6	32.6	32.9	32.8	33.3	32.9	33.4	32.6	33.1	32.5	33.7	35.0	35.6	35.7	34.6	32.5	31.8	30.7	30.1	32.7

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 6 VICTORIA — Z = 53,000 GAMMA + — FEBRUARY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	166	171	168	172	173	176	178	177	175	164	165	167	171	169	171	169	173	170	164	164	162	165	164	162	169
2 Q	163	170	171	168	170	168	168	169	167	170	167	169	168	168	163	166	171	170	168	167	168	167	164	165	168
3 Q	162	169	168	168	169	167	166	167	164	165	158	165	168	168	168	168	169	167	162	160	161	162	163	161	165
4	159	165	164	163	164	165	165	166	163	164	164	164	160	159	156	158	153	161	159	160	162	166	159	168	162
5	166	185	186	185	183	187	184	180	176	174	171	171	169	169	167	170	165	163	162	166	166	173	169	166	173
6	164	172	169	169	172	172	171	170	165	167	163	163	161	159	162	169	171	175	170	172	170	167	161	166	168
7 D	169	170	171	168	168	169	169	167	166	169	166	165	166	166	165	168	168	149	138	134	134	151	168	186	163
8 D	186	191	198	219	234	250	235	223	211	168	130	67	80	129	130	164	181	176	178	173	172	171	168	174	175
9	177	183	183	184	184	184	187	182	180	179	177	177	175	173	175	176	177	177	176	176	173	174	174	175	178
10 Q	176	178	177	178	177	178	176	177	176	175	175	174	170	172	172	173	174	175	169	170	173	171	171	170	174
11	167	172	172	171	173	173	184	192	186	188	176	176	174	172	172	174	175	176	171	168	169	173	170	164	175
12 Q	166	175	171	171	173	172	170	172	171	173	171	170	170	169	168	169	173	175	170	170	166	168	167	167	170
13 Q	164	172	168	171	168	170	169	171	170	170	169	169	169	167	166	165	166	164	158	157	157	161	156	161	166
14	166	174	173	174	174	174	175	177	177	176	172	170	169	168	166	174	174	173	172	170	170	169	164	169	172
15	171	173	171	174	172	173	173	174	172	172	170	173	168	171	167	172	170	173	169	167	163	162	161	167	170
16 D	164	166	166	166	165	167	170	176	167	121	26	-152	-153	90	90	85	158	175	164	156	175	176	179	184	124
17 D	182	187	187	193	193	191	182	181	169	167	168	153	150	148	145	154	162	167	170	173	175	175	178	179	172
18	176	180	179	179	178	180	180	179	178	176	174	172	165	166	171	176	176	175	173	175	170	172	172	172	175
19	168	176	175	176	174	172	173	172	169	171	169	171	169	170	172	174	174	175	172	172	172	173	171	170	172
20	170	178	176	176	175	175	173	173	171	170	167	171	169	170	170	174	175	175	171	169	165	162	163	169	171
21	170	175	173	170	172	169	169	168	167	167	164	159	159	160	157	166	169	167	162	156	158	163	163	168	165
22	168	173	174	176	176	176	177	178	175	176	171	167	170	167	162	170	171	167	154	151	152	156	155	159	168
23	165	170	168	170	170	170	169	170	168	166	158	156	162	160	139	115	114	127	131	135	148	158	164	168	155
24	168	165	170	170	171	171	171	170	163	168	171	172	169	169	170	169	175	172	169	169	167	169	169	170	170
25 D	167	170	169	169	169	179	186	182	174	165	163	164	166	167	169	170	172	171	169	164	161	163	170	172	170
26	173	180	186	188	188	182	178	179	176	174	174	166	165	165	169	171	170	174	171	172	168	168	172	176	174
27	175	176	175	172	171	171	172	174	171	172	170	165	164	166	167	170	170	168	161	157	156	158	159	161	168
28	166	171	169	169	168	170	168	171	170	167	168	164	166	165	165	170	171	171	165	163	161	163	162	162	167
MEAN	169	175	174	175	176	177	176	176	173	169	162	152	152	162	161	164	168	169	165	164	164	166	166	169	168

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 7 VICTORIA — H = 18,500 GAMMA + — MARCH 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	387	399	394	384	380	385	392	390	392	389	390	395	393	392	391	402	397	391	373	360	353	358	365	372	384
2	38C	389	391	392	391	396	391	394	392	393	394	396	395	395	397	396	392	393	380	362	348	343	347	360	384
3	373	384	389	390	386	392	396	397	400	403	403	408	398	408	412	408	401	395	386	375	363	358	365	369	390
4	38C	381	385	387	388	389	385	380	396	397	397	398	398	399	400	394	401	396	383	366	353	348	352	360	384
5	371	382	390	388	378	372	381	387	387	391	390	394	396	395	391	383	399	398	375	366	358	354	345	361	381
6	377	384	378	383	383	383	380	385	391	393	396	398	390	386	393	397	394	385	370	356	345	348	361	369	380
7	381	389	392	393	390	390	388	392	388	391	395	399	401	406	406	409	400	392	372	352	350	350	362	374	386
8 Q	384	392	394	396	394	395	393	393	394	395	398	402	401	399	403	403	403	399	386	371	358	360	366	377	390
9 D	389	394	392	390	389	390	394	395	394	392	395	395	390	395	395	393	385	375	388	373	349	352	367	365	385
10	355	364	377	375	376	384	384	385	384	388	388	390	390	392	392	392	391	380	368	359	356	358	362	368	377
11 Q	382	391	391	394	390	392	392	391	392	396	397	398	399	400	401	402	399	389	377	366	360	360	362	370	387
12 Q	385	390	395	398	394	397	394	392	394	391	388	398	397	401	400	398	392	385	369	358	355	358	365	375	386
13	39C	400	396	395	395	397	394	393	397	400	398	405	403	404	407	405	400	389	373	368	366	364	369	373	391
14	381	394	392	396	390	393	395	395	392	398	394	400	399	401	397	399	395	388	377	373	367	367	375	377	389
15 Q	388	396	394	397	395	395	396	395	395	398	396	400	399	400	396	397	387	378	368	363	366	370	377	379	389
16 Q	392	4C0	4C0	4C3	4CC	4C2	4CC	403	403	4C6	403	406	409	410	410	406	403	391	385	373	372	373	371	376	396
17	384	395	400	405	402	404	402	403	403	403	4C6	407	405	407	409	409	406	402	394	387	378	375	379	383	398
18 D	394	399	404	398	387	384	385	385	388	401	408	402	402	400	393	390	398	390	374	369	379	380	381	378	390
19 D	375	382	369	373	373	361	370	380	388	391	384	388	388	391	388	395	373	334	351	356	360	348	335	362	371
20 D	359	362	370	371	372	373	379	382	371	385	386	384	378	384	383	377	365	355	346	355	356	364	350	359	369
21	361	370	361	375	383	385	386	387	390	390	395	399	392	383	388	389	383	377	364	358	356	357	361	365	377
22	371	378	381	382	382	388	383	386	388	389	391	393	393	395	394	395	389	376	366	364	366	369	372	379	382
23	382	388	391	394	395	395	397	398	40C	403	404	407	406	405	406	399	395	390	372	370	360	360	373	382	391
24	387	387	39C	392	392	395	394	397	395	399	403	405	408	403	402	399	390	377	363	358	360	368	377	386	389
25	391	397	398	395	394	390	391	396	404	401	403	404	406	410	409	411	405	387	370	361	366	373	379	384	393
26	388	395	399	4CC	4CC	395	4C1	402	402	402	407	407	410	411	411	407	394	377	360	358	363	376	390	399	394
27 D	4C3	396	390	391	378	387	395	395	399	399	405	408	399	405	391	401	395	389	382	361	354	357	371	380	389
28	390	392	391	390	391	383	383	385	382	393	383	393	399	388	385	384	385	374	363	360	362	367	372	378	382
29	39C	396	392	391	394	398	398	398	397	399	404	399	397	395	392	399	388	370	360	348	352	364	376	382	387
30	390	400	397	380	389	395	400	395	395	407	406	403	404	400	395	402	390	367	346	354	363	360	363	379	387
31	381	385	393	392	394	395	393	4C2	400	401	402	402	402	404	405	403	395	381	374	369	364	362	370	375	389
MEAN	382	389	39C	39C	389	390	391	392	393	396	397	399	398	399	398	398	393	383	371	364	360	361	366	374	386

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 8 VICTORIA D = 22 DEG 00.0 MIN + MARCH 1967

HOUR =		00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																										
1		28.5	29.6	30.1	31.6	31.9	31.5	31.9	32.7	31.9	32.1	32.9	33.6	33.4	34.4	33.9	32.8	35.3	38.0	39.5	37.5	34.9	32.2	29.5	29.6	32.9
2		28.1	29.8	30.6	31.4	31.7	32.1	31.6	31.4	31.9	32.4	32.2	32.0	31.8	33.1	32.9	33.7	34.6	37.0	38.7	37.4	35.3	32.7	30.7	29.2	32.6
3		27.9	28.9	30.9	31.0	32.3	31.3	31.0	31.6	31.1	31.4	33.0	36.2	33.6	28.4	32.8	36.3	36.6	39.7	38.3	36.7	33.4	32.3	30.3	29.6	32.7
4		28.2	29.9	30.6	31.1	31.3	32.1	31.6	33.3	32.8	32.4	32.1	32.1	32.1	32.1	31.9	31.4	33.3	37.6	38.4	37.1	35.0	33.4	29.4	28.2	32.4
5		28.0	30.1	30.6	30.5	31.8	32.3	32.6	34.1	33.9	32.6	32.8	32.5	31.3	32.2	29.9	26.7	30.6	34.8	37.0	34.9	33.0	29.7	29.4	29.6	31.7
6		29.2	30.5	32.4	31.7	32.2	32.8	34.8	33.4	32.3	32.1	31.5	32.1	31.7	31.6	29.6	34.2	36.9	36.9	37.0	34.8	32.2	30.6	29.6	29.6	32.5
7		28.9	30.0	30.2	31.3	31.2	31.7	31.5	31.7	32.8	31.9	32.6	32.3	28.7	31.0	34.3	36.4	37.5	38.6	39.8	37.4	34.0	31.3	28.7	28.2	32.6
8	Q	27.8	29.6	29.4	31.0	30.6	31.6	31.4	32.0	31.2	32.0	31.7	32.0	31.5	32.2	32.3	33.8	35.4	36.7	37.5	37.6	34.6	31.5	29.4	28.6	32.1
9	D	28.4	29.2	30.4	31.1	30.7	31.3	31.8	31.2	32.0	33.2	32.7	32.7	28.9	31.5	34.0	37.0	39.9	35.6	33.6	32.7	29.4	27.1	26.7	27.0	31.6
10		27.6	28.1	30.0	30.1	31.4	31.9	33.5	34.3	32.6	32.0	32.8	34.3	32.8	32.3	33.4	34.4	37.1	38.1	37.3	34.8	32.3	31.1	30.6	28.9	32.6
11	Q	27.8	29.5	30.6	30.9	31.6	31.4	31.9	31.6	31.3	31.9	31.8	32.5	32.3	33.2	32.6	34.5	35.9	37.4	37.4	36.6	33.0	31.2	29.4	28.6	32.3
12	Q	28.9	30.1	30.5	31.4	31.6	31.0	31.7	31.7	31.7	33.4	33.1	32.7	32.9	33.0	33.6	35.6	36.5	38.5	38.9	35.1	33.0	30.6	29.6	28.9	32.7
13		28.5	30.0	30.8	31.5	31.4	31.7	31.9	32.3	32.8	33.6	35.4	33.4	34.2	33.2	34.9	35.4	37.1	39.5	37.2	33.6	30.7	30.3	28.3	29.0	32.8
14		29.0	30.6	31.0	31.4	31.8	31.4	31.2	32.3	32.2	34.7	33.3	32.4	31.9	32.5	32.8	35.2	37.1	39.1	36.8	35.3	32.7	29.7	28.0	28.3	32.5
15	Q	28.4	29.5	30.5	31.1	31.3	31.1	31.8	31.4	31.3	31.6	32.1	32.3	32.5	33.1	33.4	35.1	37.9	38.9	37.7	34.5	31.7	28.8	28.0	28.3	32.2
16	Q	28.7	29.8	30.4	31.0	30.9	31.8	31.6	31.0	31.7	31.9	31.5	32.4	31.8	32.5	33.8	35.1	36.8	38.3	36.8	34.3	31.4	29.7	29.5	29.3	32.2
17		28.9	29.3	30.0	29.9	31.7	31.0	31.0	31.2	31.3	31.3	31.1	32.2	31.6	32.0	32.8	34.3	36.9	37.4	36.3	34.1	30.9	29.6	29.3	29.3	31.8
18	D	28.4	29.0	29.2	29.9	30.5	31.3	32.4	33.5	33.7	32.6	33.4	32.2	40.9	38.0	35.8	31.5	33.5	37.2	34.7	31.2	28.9	28.7	27.7	27.8	32.2
19	D	28.7	27.7	29.8	32.0	30.2	30.0	35.2	34.8	32.8	31.9	33.0	32.5	33.0	27.9	28.0	29.0	33.6	37.5	31.3	31.4	31.3	30.4	29.6	29.3	31.3
20	D	28.0	28.5	28.9	31.4	31.0	30.9	33.1	35.5	37.3	35.8	34.6	32.4	29.6	30.7	34.6	35.6	35.8	35.6	32.4	29.6	30.1	28.6	28.7	28.6	32.0
21		27.6	28.7	31.4	30.7	31.4	31.4	32.0	31.9	32.0	32.4	32.2	32.2	33.9	32.0	32.8	36.3	38.5	38.9	38.2	34.5	31.9	29.5	27.5	26.8	32.3
22		25.6	26.8	28.8	29.5	31.1	32.7	32.0	31.6	32.2	32.1	32.1	32.9	32.7	32.3	33.4	34.6	37.3	39.1	37.4	34.0	31.1	28.7	28.2	28.4	31.9
23		28.2	29.3	29.7	30.8	31.4	31.2	31.5	31.5	31.6	31.6	32.0	32.5	32.7	32.6	33.0	33.9	33.4	35.3	33.8	31.0	29.6	26.6	26.7	28.9	31.2
24		28.6	30.2	31.1	31.0	31.5	31.0	31.1	31.1	31.5	31.8	31.7	32.5	32.2	32.6	34.3	36.8	39.5	40.0	37.1	33.6	30.7	28.9	28.5	29.2	32.4
25		27.6	30.3	28.8	32.0	30.9	31.2	31.7	32.6	30.7	31.2	32.0	32.1	32.7	33.0	33.6	35.8	39.2	39.2	39.2	35.7	31.5	29.7	29.2	28.3	32.4
26		28.1	29.9	30.4	30.0	31.0	30.7	31.3	31.2	31.1	31.9	31.7	32.5	31.2	32.3	34.9	37.4	41.3	40.4	38.0	33.5	29.9	27.5	25.8	26.3	32.0
27	D	25.0	26.4	28.8	29.2	31.2	30.8	30.4	31.0	32.5	35.3	33.5	32.2	29.9	27.6	34.3	37.6	38.2	36.5	37.3	33.9	32.6	30.5	29.4	29.4	31.8
28		29.9	30.7	31.7	31.8	31.9	37.2	33.8	32.5	30.4	37.7	36.9	31.6	32.7	33.4	35.2	36.0	39.7	38.8	34.7	31.8	31.0	30.2	29.7	29.8	33.3
29		29.9	31.4	31.3	32.7	33.4	32.4	32.2	31.8	31.4	31.5	33.9	33.0	33.0	31.7	34.7	37.4	38.6	39.7	38.6	33.1	29.8	27.3	27.3	27.1	32.6
30		27.4	29.8	30.7	35.3	31.8	31.3	30.6	31.4	31.7	31.3	32.4	34.0	33.3	32.6	32.6	36.3	39.3	40.0	35.3	30.8	30.4	29.1	28.6	27.2	32.2
31		27.6	28.6	30.2	30.7	31.7	31.2	31.6	31.8	31.5	31.9	31.8	31.8	32.2	33.3	33.8	36.2	39.0	40.0	37.4	34.3	32.5	29.7	27.9	27.5	32.3
MEAN		28.2	29.4	30.3	31.1	31.4	31.7	32.0	32.2	32.1	32.6	32.7	32.6	32.4	32.2	33.2	34.7	36.8	38.1	36.9	34.3	31.9	29.9	28.7	28.5	32.3

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 9 VICTORIA — Z = 53,000 GAMMA + — MARCH 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	162	167	166	166	169	169	171	171	170	171	166	168	164	159	159	167	170	170	167	166	162	162	162	166	166
2	166	173	170	169	168	167	166	166	167	165	164	157	153	157	162	165	169	170	163	160	158	158	160	163	164
3	167	171	171	170	168	170	166	167	165	166	160	153	159	154	141	151	157	157	150	149	146	150	155	159	159
4	166	169	169	170	168	168	165	168	166	164	165	165	165	164	165	164	165	163	154	151	149	148	151	154	162
5	160	168	169	169	168	171	172	172	164	163	161	163	163	164	162	153	145	143	136	130	133	142	153	162	158
6	166	172	173	175	171	173	172	171	169	164	164	162	161	162	158	168	172	171	163	162	159	160	163	168	167
7	166	168	168	167	166	166	165	166	165	163	163	164	155	147	159	166	170	173	165	155	149	147	152	160	162
8 Q	160	165	164	163	164	163	163	161	162	160	159	161	158	159	160	162	163	163	158	149	145	145	148	154	159
9 D	157	162	161	161	162	161	163	163	160	159	157	157	149	146	145	156	159	153	147	143	137	144	154	160	155
10	166	172	176	174	173	175	172	171	171	167	166	165	161	161	163	166	166	165	159	158	157	157	157	158	166
11 Q	158	164	164	162	162	163	161	164	162	162	160	160	160	159	162	162	162	161	157	150	146	145	149	153	159
12 Q	155	162	162	162	161	161	161	162	163	161	161	162	161	160	162	163	163	157	152	147	147	150	153	154	158
13	157	160	159	160	161	161	161	164	161	160	153	149	149	155	161	162	162	160	150	146	148	151	156	159	157
14	159	166	162	163	162	163	163	162	163	161	156	161	159	158	160	163	163	161	156	150	149	150	155	158	159
15 Q	158	162	159	163	160	162	161	163	161	162	161	161	159	160	158	163	168	160	151	141	139	141	147	151	157
16 Q	154	160	160	159	159	160	158	159	159	159	159	158	159	156	157	159	161	155	148	140	138	145	151	154	155
17	156	160	160	160	157	159	156	158	158	158	158	159	159	156	159	159	159	153	143	141	141	146	146	148	155
18 D	152	154	156	158	160	164	170	172	170	164	151	153	125	125	134	134	129	135	134	140	147	151	156	158	150
19 D	158	169	169	178	180	194	195	183	179	170	165	167	165	152	131	122	123	131	145	149	153	155	164	172	161
20 C	174	177	178	179	182	184	185	183	174	172	168	168	161	154	161	164	160	157	151	155	156	161	169	170	168
21	166	175	181	180	173	172	169	168	168	168	166	158	151	154	156	165	170	165	159	159	159	162	164	167	166
22	164	173	171	174	177	172	174	170	167	166	166	167	166	165	167	169	171	162	155	147	149	149	151	150	164
23	154	160	162	163	164	164	160	160	161	160	160	160	157	159	161	168	166	162	154	154	151	154	159	159	160
24	157	160	162	163	164	164	163	164	162	162	161	161	160	160	161	164	167	161	153	150	153	152	160	162	160
25	158	161	159	159	162	162	161	164	160	157	157	157	158	157	161	165	167	164	158	151	152	157	160	160	159
26	152	158	156	159	159	160	160	161	160	158	159	157	155	154	157	163	163	157	143	137	135	138	143	146	154
27 D	151	155	154	161	167	170	165	167	165	157	160	159	149	134	133	151	149	144	143	139	142	149	153	156	153
28	156	160	158	159	159	161	163	163	154	140	138	145	134	145	156	161	162	153	145	149	153	157	162	162	154
29	159	159	158	159	160	159	159	160	161	160	158	157	154	150	149	159	160	159	152	141	143	147	149	153	155
30	157	163	167	166	167	163	161	162	163	159	157	156	157	157	157	162	162	152	139	138	142	147	153	164	157
31	162	164	165	165	164	163	162	162	162	161	162	161	161	161	161	165	163	152	146	142	141	140	147	152	158
MEAN	160	165	165	166	166	167	166	166	164	162	160	160	156	155	156	160	161	158	151	148	148	150	155	158	159

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 10 VICTORIA H = 18,500 GAMMA + APRIL 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	379	385	392	392	397	397	401	399	414	406	398	383	401	412	412	411	402	392	379	354	344	354	368	376	390
2	378	379	379	380	386	386	393	393	397	396	398	392	394	399	398	395	384	373	369	362	360	359	359	367	382
3	379	373	377	386	391	392	394	395	395	398	400	400	400	400	398	393	385	376	366	367	369	368	375	381	386
4	390	394	394	418	416	409	393	401	403	407	410	411	417	389	390	400	392	377	367	356	356	363	368	381	392
5	387	394	392	396	393	394	383	382	393	388	390	393	396	394	393	382	372	369	365	360	365	371	376	379	384
6	390	393	387	394	387	382	390	381	384	391	396	402	400	393	393	386	380	369	364	356	354	363	374	381	383
7	383	388	386	385	390	395	392	397	395	401	399	398	400	398	399	396	389	377	362	358	367	370	382	389	387
8	395	402	390	390	385	385	393	394	399	401	399	400	399	398	397	398	385	376	363	360	359	368	378	381	387
9	389	394	390	401	400	401	398	400	406	408	401	401	397	402	399	396	388	374	368	366	371	374	382	390	392
10	401	403	403	389	403	401	403	401	402	403	407	408	405	394	394	398	394	384	379	368	368	376	383	387	394
11	394	401	400	399	401	402	402	402	399	403	405	405	405	404	405	405	393	377	370	370	374	372	383	383	394
12	389	387	389	385	392	395	398	396	394	396	402	401	401	404	402	399	387	376	369	366	368	373	382	387	389
13 Q	397	397	396	400	397	398	402	399	400	404	405	408	407	409	407	405	399	386	377	376	377	377	382	384	395
14 Q	393	400	416	404	405	405	408	413	415	413	414	413	421	419	423	423	412	396	387	379	381	383	390	396	405
15	400	408	404	407	403	404	404	402	404	404	408	408	410	412	409	407	401	394	381	377	374	380	385	392	399
16	402	400	406	403	402	391	389	391	402	402	406	408	406	405	411	402	397	386	373	373	368	375	386	388	395
17	398	399	391	374	378	382	392	395	396	407	396	389	392	394	390	392	383	368	365	372	374	382	385	382	387
18	388	394	395	387	389	391	397	396	396	394	394	393	396	391	394	392	374	367	369	371	380	385	391	389	388
19 D	378	377	384	381	356	375	390	391	386	364	355	379	388	384	377	370	365	353	353	363	371	388	386	384	375
20	391	394	390	390	391	395	400	399	397	396	394	397	396	393	393	388	368	353	350	362	383	388	396	396	388
21	393	388	383	382	375	377	375	382	387	383	385	386	393	392	386	377	367	358	361	369	375	385	387	391	381
22 D	391	399	392	381	390	382	394	382	390	387	394	390	407	404	383	376	374	377	379	374	392	400	400	399	389
23 D	403	404	395	399	401	406	410	409	417	418	423	424	430	429	421	393	373	392	374	373	369	374	382	381	400
24 D	383	400	368	369	356	362	383	389	396	397	393	391	383	383	390	385	377	360	343	350	359	359	378	384	377
25	393	390	389	394	382	383	390	394	396	398	396	399	401	401	401	395	393	378	370	362	362	367	374	381	387
26 Q	395	400	403	399	394	396	404	402	405	403	404	404	407	407	410	406	410	403	391	379	374	368	377	387	397
27 Q	392	404	400	397	401	398	405	403	406	405	410	408	411	410	411	408	407	397	384	368	367	372	381	390	397
28 Q	395	407	407	407	404	400	404	405	408	409	410	409	410	412	414	411	403	393	385	377	378	374	372	382	399
29	395	403	403	400	403	402	406	403	415	408	407	405	408	410	412	407	409	414	406	400	392	391	391	398	404
30	403	409	412	411	405	408	410	408	408	405	410	411	407	406	410	404	401	390	391	384	387	387	392	392	402
MEAN	392	396	394	393	393	393	397	397	400	400	400	401	403	402	401	397	389	380	372	368	371	375	382	386	391

DECLINATION (EAST)

MEAN VALUES FOR PERICDS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 11 VICTCRIA — D = 22 DEG 00.0 MIN + — APRIL 1967

HCLR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	28.0	28.6	29.6	3C.2	3C.9	3C.9	31.1	31.2	31.3	32.5	41.4	27.9	34.7	37.8	38.4	38.4	39.8	40.1	39.4	37.4	29.6	26.0	23.8	25.4	32.7
2	26.9	28.9	30.2	3C.8	3C.8	30.7	30.8	31.4	34.C	34.9	34.5	33.8	38.2	34.1	35.3	37.6	39.1	35.8	35.1	34.2	30.2	29.4	28.6	28.8	32.7
3	28.4	30.5	32.6	30.2	30.5	31.1	31.1	31.7	31.2	31.9	31.6	32.0	32.8	33.1	34.2	36.4	38.9	38.5	35.7	33.1	31.0	29.8	28.9	28.3	32.2
4	27.6	28.4	29.4	27.9	28.6	27.7	30.6	3C.7	31.3	34.7	33.1	32.8	33.6	32.1	29.2	34.6	37.9	37.9	36.9	34.8	32.2	30.0	28.6	27.6	31.6
5	28.0	28.8	29.3	30.8	33.2	34.6	32.8	32.4	30.2	31.0	28.7	32.2	35.0	34.2	35.7	35.5	36.2	37.8	36.8	34.4	30.8	29.9	29.0	28.1	32.3
6	28.5	28.3	30.7	34.7	35.C	34.9	37.C	34.3	32.4	31.9	29.8	31.2	32.1	27.1	33.4	37.6	36.3	37.8	35.2	32.9	31.2	29.1	28.4	27.4	32.4
7	27.8	28.4	33.2	31.6	3C.8	34.0	31.4	31.3	32.2	32.6	32.0	32.6	32.8	33.5	34.2	35.0	37.2	38.2	38.0	33.8	30.7	28.4	27.4	27.4	32.3
8	27.8	28.8	31.C	3C.9	31.2	31.5	31.1	31.3	31.4	31.0	32.1	32.3	32.1	33.3	34.4	36.3	37.9	39.1	36.3	32.8	30.4	29.1	26.6	26.2	31.9
9	26.5	28.3	31.2	31.4	31.4	31.3	31.1	31.5	31.5	32.4	33.9	35.1	34.6	33.9	34.9	36.2	39.7	39.6	37.7	33.0	29.7	27.9	26.0	26.7	32.3
10	26.5	28.6	29.8	31.3	30.9	30.9	30.6	30.4	31.C	31.4	31.7	32.2	33.1	33.9	34.6	36.4	38.7	39.6	36.4	33.4	30.1	28.5	28.0	27.1	31.9
11	27.7	28.4	30.7	31.0	31.6	31.3	31.3	31.2	31.C	31.4	31.6	31.9	31.9	33.4	33.5	35.2	38.8	38.0	34.6	30.0	27.4	25.5	25.3	25.2	31.2
12	25.5	26.9	29.0	31.4	31.3	32.0	31.8	31.4	31.8	32.1	32.C	31.6	32.5	33.5	35.0	37.2	38.4	38.8	35.1	31.2	29.1	27.8	27.1	26.5	31.6
13 Q	26.6	27.6	29.0	29.9	30.6	30.5	31.1	31.2	30.8	31.7	31.8	32.0	32.7	33.2	34.7	37.0	38.4	38.5	36.8	33.4	31.5	29.7	27.8	26.8	31.8
14 C	26.3	27.3	28.8	30.1	31.2	30.7	31.0	30.9	31.3	31.8	32.C	32.0	32.2	33.1	34.9	36.6	38.3	37.5	36.2	33.1	29.7	27.7	26.4	26.2	31.5
15	26.0	28.1	29.5	3C.7	31.4	31.2	31.2	31.9	31.9	32.2	32.4	32.5	33.0	33.6	36.3	37.4	39.3	39.8	37.3	34.1	30.6	27.7	26.6	25.5	32.1
16	26.3	27.3	28.C	28.8	28.4	31.7	34.7	33.8	32.4	31.8	32.7	32.7	34.2	38.0	35.7	37.1	36.8	35.8	34.7	31.4	29.7	28.4	27.1	25.5	31.8
17	24.4	24.5	25.5	34.1	30.8	32.1	30.3	30.7	31.3	35.7	35.3	33.7	33.8	34.0	34.9	35.4	38.7	38.3	35.7	31.6	29.6	27.5	25.7	25.1	31.6
18	25.2	26.1	27.9	28.2	30.5	30.8	31.3	31.6	31.8	32.9	32.7	34.2	35.5	37.3	36.1	37.7	38.5	38.5	33.6	30.2	28.2	27.1	25.7	25.0	31.5
19 D	24.6	26.C	25.9	27.5	28.5	30.9	30.1	31.1	41.5	36.9	35.0	33.8	29.1	34.7	34.4	34.3	33.8	32.7	32.2	27.9	26.9	25.2	25.1	26.7	30.6
20	27.5	28.8	3C.7	31.6	30.5	31.2	31.4	30.0	31.2	32.3	32.8	33.2	34.6	34.4	35.0	36.8	38.0	36.3	31.1	27.5	26.5	26.8	27.2	27.2	31.4
21	27.1	27.0	28.3	28.4	29.4	29.0	31.9	32.3	31.8	32.1	34.0	34.6	34.2	35.5	36.6	37.9	38.2	34.9	30.3	27.5	27.2	26.5	25.7	24.8	31.0
22 D	26.7	25.4	26.C	27.1	29.5	29.6	31.2	31.8	23.4	33.9	34.9	35.5	34.4	35.2	37.7	38.0	34.5	33.7	32.6	28.4	26.7	25.3	25.1	26.6	30.5
23 D	26.6	27.9	27.7	30.1	30.6	3C.6	30.5	30.7	31.2	31.4	32.2	32.0	33.3	35.4	36.2	37.0	30.8	28.0	27.0	27.6	25.8	28.9	28.1	27.7	30.3
24 D	28.6	28.9	31.2	32.2	38.5	34.7	32.1	31.4	32.1	27.5	3C.4	33.3	32.6	30.5	35.4	35.8	39.1	39.8	37.6	32.9	30.1	29.3	29.6	27.8	32.6
25	29.2	30.8	31.4	36.8	34.1	3C.9	31.5	31.6	30.6	30.5	31.5	31.5	32.4	33.4	35.8	37.7	39.5	40.3	39.2	34.9	31.7	29.6	27.8	26.7	32.9
26 Q	27.1	28.4	30.2	31.7	32.4	32.2	32.0	31.6	31.6	31.C	31.0	31.1	31.9	33.5	35.1	35.3	36.7	36.9	37.0	35.2	33.6	31.0	29.1	28.2	32.2
27 Q	26.1	27.6	29.6	3C.9	3C.9	32.1	31.6	31.2	31.4	31.7	31.8	32.2	32.8	34.0	35.1	36.6	36.2	37.6	36.4	33.8	31.0	28.8	27.3	25.8	31.8
28 Q	25.8	27.5	29.5	3C.8	31.C	31.4	31.3	3C.9	31.3	31.5	32.2	31.7	32.1	34.5	35.4	36.9	37.8	38.5	35.8	33.4	31.1	28.2	27.8	25.9	31.8
29	25.3	26.7	29.0	3C.2	3C.8	3C.4	31.2	30.8	32.5	33.4	32.6	32.3	33.2	34.0	37.0	38.6	41.9	38.5	36.0	34.0	32.2	29.8	29.0	27.7	32.4
30	27.3	28.2	30.0	3C.2	3C.2	3C.8	31.0	31.1	32.5	32.3	32.4	31.6	32.3	33.9	35.4	36.2	37.9	38.8	36.5	32.9	31.6	29.6	29.2	28.5	32.1
MEAN	26.9	27.9	29.5	30.7	31.2	31.4	31.5	31.4	31.7	32.3	32.7	32.5	33.3	33.9	35.1	36.6	37.8	37.5	35.4	32.4	29.9	28.3	27.3	26.7	31.8

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 12 VICTORIA Z = 53,000 GAMMA + APRIL 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	155	163	162	161	161	159	159	159	160	143	126	109	102	132	146	152	154	148	133	120	122	138	152	157	145
2	155	160	162	162	162	163	162	163	164	162	160	144	112	145	162	164	164	162	162	159	159	155	155	159	157
3	162	168	175	170	165	164	161	161	160	161	160	160	161	161	163	164	164	160	152	147	147	144	147	151	160
4	152	156	160	163	160	160	175	173	166	163	158	159	161	154	142	141	146	147	148	149	148	148	151	156	156
5	157	162	163	165	170	162	162	162	152	149	146	141	149	157	162	164	163	162	160	150	150	153	154	159	157
6	161	168	168	172	167	165	162	163	161	155	158	151	154	142	142	151	155	154	151	147	146	148	152	155	156
7	160	167	175	170	170	167	157	162	161	160	158	158	159	158	159	158	160	160	153	148	148	144	145	148	159
8	155	162	164	164	165	168	164	163	162	158	157	157	158	158	162	162	166	156	149	143	145	151	153	152	158
9	157	166	165	164	164	160	160	160	161	156	151	150	150	156	158	162	160	156	148	144	144	148	152	157	156
10	159	165	167	163	164	163	163	163	164	162	160	159	156	156	155	157	153	144	145	148	148	152	154	153	157
11	153	158	160	160	160	158	158	159	159	159	158	154	155	153	153	157	157	154	147	145	149	152	155	158	155
12	159	164	167	169	168	165	164	163	164	163	162	160	159	156	157	158	154	148	141	141	144	146	148	154	157
13 Q	157	161	163	163	161	161	160	160	159	160	158	157	158	157	157	158	156	149	148	141	138	140	145	146	155
14 Q	150	158	160	159	159	157	157	158	158	158	157	156	157	155	155	153	147	143	141	137	137	138	142	145	152
15	148	156	155	155	154	153	154	155	156	157	156	155	156	156	157	155	151	145	141	137	137	138	138	145	150
16	150	155	157	158	157	159	163	163	161	159	159	157	145	143	144	145	144	140	136	138	137	141	148	158	151
17	162	166	175	188	184	185	175	169	166	160	150	153	157	161	160	161	160	144	137	139	143	146	145	149	160
18	153	158	160	160	164	160	158	156	157	155	155	150	146	140	142	144	143	136	131	130	135	142	152	160	149
19 D	168	175	183	191	196	192	181	173	157	134	149	156	148	147	150	152	157	151	148	151	157	165	165	159	163
20	159	166	166	169	165	166	165	159	159	157	161	159	159	155	155	157	155	145	137	139	154	158	156	158	157
21	162	172	177	178	180	182	183	178	174	167	167	161	160	157	156	156	153	141	138	137	136	141	146	152	161
22 D	169	176	184	185	186	185	182	176	136	125	143	155	159	160	154	155	145	141	140	137	142	149	152	157	158
23 D	161	168	165	163	162	160	161	159	158	158	156	156	154	156	157	148	123	102	112	119	131	139	150	159	149
24 D	164	179	198	191	196	197	186	177	159	132	116	118	125	122	129	139	145	149	147	151	156	152	158	157	156
25	171	175	177	180	174	169	169	165	162	155	158	160	160	163	161	161	162	155	150	142	140	145	149	156	161
26 Q	163	166	166	165	164	163	163	161	161	158	159	157	157	159	156	152	155	154	150	150	154	152	152	153	158
27 Q	157	163	164	160	160	160	160	160	160	161	161	160	158	160	157	155	154	155	151	144	144	141	143	146	156
28 Q	151	158	162	160	158	156	157	159	158	157	157	156	159	159	155	156	152	147	143	138	139	139	139	147	153
29	155	162	166	161	158	157	157	157	155	153	154	155	156	157	160	159	158	148	140	138	138	139	141	146	153
30	152	154	157	155	152	149	153	151	152	152	153	156	157	158	161	162	162	153	141	134	136	135	137	141	151
MEAN	158	164	167	167	167	166	164	163	159	155	154	153	152	153	154	155	154	148	144	141	143	146	149	153	155

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 13 VICTORIA — H = 18,500 GAMMA + — MAY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	397	401	398	395	391	392	399	404	408	410	409	409	409	406	408	404	396	385	381	398	398	384	396	386	399
2	384	397	395	394	395	401	400	409	418	414	403	407	407	406	401	407	403	382	384	398	403	404	404	405	401
3 D	410	406	395	371	307	317	352	342	325	356	303	256	284	305	291	270	229	216	268	310	342	372	386	387	325
4	372	389	386	359	369	368	369	372	371	373	376	375	375	362	375	378	367	362	363	362	371	364	363	375	371
5	383	373	366	363	363	363	368	375	380	385	380	385	384	383	378	372	364	347	345	346	352	352	358	356	368
6	402	419	419	410	416	421	415	417	417	417	419	415	416	419	424	427	414	404	400	392	395	402	404	411	412
7	385	408	385	385	375	360	377	386	396	389	397	399	395	394	399	396	387	380	377	373	371	364	371	379	385
8 Q	389	396	391	391	389	394	400	404	405	399	400	400	400	400	404	403	392	383	387	386	378	382	387	391	394
9 Q	399	394	392	391	392	388	390	391	394	403	404	401	401	400	403	407	396	383	373	373	375	380	382	387	392
10	392	408	397	397	400	389	396	402	406	404	405	400	403	404	401	389	395	384	382	381	382	380	382	396	395
11	409	402	394	387	393	387	389	398	400	397	400	397	401	402	400	397	395	378	374	378	382	387	374	377	392
12	393	403	396	378	394	393	400	402	410	417	407	408	409	405	402	402	394	387	376	364	382	381	384	394	395
13	382	400	401	383	386	401	388	388	392	393	395	397	398	395	392	385	377	367	361	363	375	380	387	394	387
14	394	397	396	394	396	399	394	398	401	403	406	407	409	407	400	395	392	375	373	374	386	396	393	390	395
15	385	393	372	382	386	386	388	391	395	398	401	402	402	399	396	390	388	379	377	381	385	386	391	386	389
16 C	382	390	386	385	389	386	394	398	400	403	400	402	400	403	402	398	396	388	388	390	394	389	389	385	393
17	400	398	394	369	382	380	386	396	399	400	405	403	395	399	398	396	390	378	377	384	379	381	386	383	390
18	376	385	393	389	397	408	394	395	396	393	393	400	404	404	396	396	392	381	375	375	377	383	394	402	392
19	423	422	411	384	387	384	389	389	392	390	396	397	392	394	406	396	388	383	379	381	381	376	376	383	392
20 Q	397	396	396	394	391	394	395	395	396	397	396	398	399	400	399	395	389	379	375	387	398	398	403	405	395
21	401	395	387	385	382	390	397	401	402	403	404	404	407	409	408	397	377	366	363	370	379	382	385	401	391
22 Q	390	385	381	387	392	394	397	402	403	407	408	409	412	414	413	400	381	367	368	378	389	391	396	403	394
23	403	408	403	400	406	402	401	409	408	412	422	425	430	430	428	410	391	370	346	367	380	386	393	390	401
24	400	400	400	399	397	404	407	409	416	419	416	412	413	411	410	406	396	385	375	389	398	399	394	395	402
25 D	386	397	398	403	405	406	411	414	414	410	425	428	445	341	327	372	375	348	335	396	390	385	609	953	424
26 D	1097	769	638	649	425	257	129	81	209	113	89	49	236	242	337	343	335	331	323	333	336	346	339	355	348
27	329	357	361	357	346	344	354	353	355	354	351	351	349	362	368	375	370	362	349	347	335	339	358	375	354
28 D	344	352	356	353	362	365	379	377	350	326	298	359	387	394	387	383	381	348	314	319	320	344	366	392	357
29 D	403	410	375	374	355	333	335	285	206	286	339	328	328	347	369	362	363	368	359	356	355	355	358	371	347
30	374	374	379	376	366	378	375	379	380	380	387	388	390	386	374	363	394	336	293	318	316	370	383	360	367
31	421	416	486	391	343	361	338	347	354	356	361	367	367	367	361	349	355	355	353	356	351	348	345	343	366
MEAN	413	408	401	393	383	379	378	378	381	381	380	380	389	387	389	386	379	366	361	369	373	377	388	404	384

DECLINATION(EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 14 VICTORIA D = 22 DEG 00.0 MIN + MAY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	28.5	28.8	30.2	30.8	31.0	32.3	32.5	30.9	30.5	31.7	34.1	32.1	33.6	35.7	35.8	36.3	37.6	35.3	32.4	30.6	28.3	26.3	26.2	25.0	31.5
2	25.4	26.1	27.4	27.8	29.2	29.8	29.9	32.1	31.9	34.3	38.7	37.5	34.7	35.7	35.1	35.8	33.5	35.0	28.7	25.9	27.8	27.6	28.4	28.4	31.1
3 D	25.3	30.8	27.7	26.3	35.4	38.2	35.6	33.9	37.0	45.7	42.3	51.1	48.8	44.2	32.8	33.1	29.6	32.3	28.6	29.6	28.3	26.8	25.9	23.8	33.9
4	23.3	24.8	27.6	32.2	32.1	32.1	31.5	31.9	30.9	27.7	32.0	33.7	33.6	31.4	32.3	34.4	36.1	33.8	32.3	31.3	29.7	29.2	28.7	26.9	30.8
5	25.6	27.5	29.1	30.4	29.3	29.9	32.3	31.0	32.2	33.8	32.4	31.5	32.9	34.0	36.1	36.4	38.4	37.3	36.1	33.9	30.9	27.0	24.5	24.7	31.5
6	26.6	28.2	29.7	31.5	30.7	33.0	30.7	30.8	30.9	30.5	30.8	32.1	32.7	33.3	36.0	38.4	40.3	40.1	36.5	32.5	30.2	27.9	25.9	25.9	31.9
7	26.4	24.6	24.5	25.4	30.4	30.4	32.7	32.8	29.2	32.1	30.9	31.3	31.7	34.3	36.3	38.7	39.7	37.5	34.0	30.5	28.4	26.9	26.5	26.6	30.9
8 Q	27.2	28.6	30.3	31.0	30.2	29.6	29.8	30.3	30.7	31.6	31.9	30.7	31.7	34.3	36.3	38.3	37.5	36.4	32.2	29.2	29.0	27.9	27.8	27.6	31.3
9 Q	28.6	31.1	31.5	31.8	31.8	33.5	34.3	35.4	33.5	31.1	32.2	31.8	32.8	35.5	36.8	38.9	39.3	38.6	35.9	32.9	30.0	28.5	28.1	27.5	33.0
10	27.9	29.1	31.0	30.3	31.3	30.6	30.5	30.6	31.4	31.1	32.4	32.5	36.1	35.9	37.7	38.6	37.3	36.2	35.8	31.5	28.6	27.2	25.9	25.4	31.9
11	24.2	26.3	28.4	30.6	31.6	35.1	32.1	30.7	30.4	30.6	31.8	31.8	34.0	34.8	37.9	39.6	40.5	39.4	36.1	31.7	29.3	26.4	24.8	25.5	31.8
12	26.6	28.4	29.7	33.2	34.8	32.6	30.0	30.4	30.4	32.9	34.1	32.7	34.6	34.8	36.9	39.2	40.9	38.3	33.9	28.7	25.5	24.4	23.4	23.8	31.7
13	26.5	26.8	27.9	30.0	29.8	33.0	34.3	31.9	30.9	30.6	31.7	32.0	32.7	34.9	36.0	38.1	38.4	37.0	33.9	31.6	28.7	25.2	23.6	25.0	31.3
14	26.1	29.5	30.0	29.7	31.6	30.0	31.3	30.7	31.6	31.7	31.5	31.8	33.3	35.0	37.0	37.8	37.4	38.1	33.8	29.9	26.0	25.6	24.3	24.5	31.2
15	23.2	24.7	27.4	30.8	31.2	30.7	31.5	31.7	31.5	31.4	30.3	30.2	30.3	31.5	34.5	36.3	36.5	34.5	33.4	30.7	27.1	25.8	25.7	25.5	30.3
16 C	26.6	28.2	29.7	30.3	29.5	34.1	30.5	30.0	31.3	31.3	31.0	30.5	32.9	34.0	37.1	38.8	39.1	37.4	35.1	30.0	26.7	24.9	24.0	23.6	31.1
17	22.4	26.1	27.6	28.2	30.4	33.5	30.4	31.2	30.7	30.1	29.7	29.3	33.1	34.4	37.3	38.4	39.2	39.6	35.2	29.9	27.3	24.7	24.2	24.9	30.7
18	25.7	27.2	29.0	29.1	29.3	33.2	32.2	30.9	34.2	31.7	33.9	31.6	32.6	34.5	36.3	36.9	37.5	36.2	33.1	29.4	28.4	28.3	25.7	24.4	31.3
19	23.6	26.6	29.2	30.4	30.9	31.4	32.0	31.9	32.4	31.9	31.3	31.1	30.9	30.0	37.0	41.0	40.8	39.7	36.1	32.8	31.2	28.6	28.0	27.4	31.9
20 Q	27.7	31.4	32.5	30.9	30.2	30.4	30.3	27.2	31.3	31.0	31.7	31.9	33.1	34.4	36.1	38.1	37.7	34.3	31.4	27.6	24.7	24.1	24.9	27.2	30.8
21	28.3	30.7	32.1	30.8	31.2	30.7	30.4	30.3	30.8	30.1	30.3	32.3	33.8	36.6	40.0	41.8	42.6	38.8	34.3	29.0	26.3	26.9	27.6	27.5	32.2
22 Q	27.5	31.3	32.0	31.0	30.1	30.0	30.4	30.6	31.5	31.5	32.6	33.4	35.5	36.7	38.2	39.4	39.1	36.5	32.5	27.9	25.6	24.0	23.7	24.9	31.5
23	26.0	28.6	30.9	30.6	29.1	29.6	30.3	30.4	30.9	31.6	31.5	31.7	35.1	36.9	39.7	41.5	41.9	40.8	34.4	28.8	26.8	26.1	25.0	25.0	31.8
24	25.3	27.5	29.5	31.4	30.5	29.7	31.0	31.4	32.4	31.0	32.0	32.6	35.0	33.7	36.3	38.2	39.4	38.2	38.4	30.0	28.8	28.1	27.3	26.0	31.8
25 D	26.8	28.3	29.5	29.5	30.5	30.5	30.0	30.3	30.9	30.7	30.7	34.6	33.0	18.7	36.5	51.0	45.3	46.8	43.5	34.5	35.2	52.5	44.1	28.5	34.7
26 D	6.8	17.5	59.3	4.9	14.7	12.2	31.5	37.1	38.5	31.5	23.1	28.7	32.3	34.1	36.4	38.7	40.8	40.1	37.9	34.6	30.9	28.7	25.9	24.6	29.6
27	27.9	28.1	30.1	33.2	30.9	30.5	30.6	29.0	32.1	32.6	32.2	35.2	33.1	36.7	38.6	41.2	41.0	40.8	37.1	33.1	31.3	27.5	27.6	26.6	32.8
28 D	26.5	28.4	30.5	33.1	32.7	32.1	30.8	38.7	38.7	36.0	41.2	36.9	34.9	35.7	40.8	40.4	38.9	40.0	37.9	34.7	31.3	30.3	28.2	27.2	34.4
29 D	27.4	31.7	31.1	33.9	40.6	35.9	38.4	36.9	28.3	32.2	37.6	33.4	31.5	32.3	37.6	39.3	42.4	42.1	39.0	33.0	29.6	28.6	28.1	28.0	34.1
30	26.4	28.1	29.9	31.1	32.2	33.3	32.2	31.8	30.4	28.9	31.3	33.9	35.2	35.6	34.1	27.9	33.4	44.0	42.4	25.0	21.4	24.1	23.7	23.0	30.8
31	17.8	23.8	25.9	35.1	36.2	47.1	35.0	32.0	31.1	31.1	31.1	31.9	33.2	34.1	37.1	38.9	41.2	41.1	36.6	33.8	31.6	30.1	28.9	27.8	33.0
MEAN	25.3	27.7	30.4	29.8	30.9	31.8	31.8	31.8	31.9	31.9	32.5	33.0	33.8	34.3	36.7	38.4	38.8	38.3	35.1	30.8	28.5	27.7	26.7	25.9	31.8

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 15 VICTORIA Z = 53,000 GAMMA + MAY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	147	154	159	157	160	159	154	157	155	156	154	150	150	156	155	156	154	146	136	124	124	130	143	146	149
2	153	157	157	159	160	162	168	168	170	151	130	153	156	165	163	161	160	154	146	142	143	148	163	184	157
3 D	193	227	253	282	305	222	163	148	126	143	72	26	18	27	3	25	45	102	146	171	198	205	197	195	146
4	154	199	206	201	190	180	180	179	173	152	159	168	168	152	135	141	146	147	151	155	161	160	163	168	168
5	176	184	195	189	189	190	187	182	173	156	156	163	165	168	170	164	163	159	160	159	156	147	160	165	170
6	170	180	185	180	176	173	170	170	171	170	168	166	167	162	164	167	165	160	157	153	152	157	163	169	167
7	172	187	190	201	213	212	225	200	169	144	159	166	166	170	174	173	174	166	159	161	161	162	163	162	176
8 Q	164	170	170	170	167	168	171	169	171	169	168	168	162	160	158	161	161	157	158	157	159	159	162	167	164
9 Q	173	175	169	167	169	168	170	169	169	167	168	167	168	167	168	169	167	161	155	150	149	150	154	157	164
10	157	168	168	164	164	165	169	166	167	164	164	162	163	165	161	160	158	149	146	144	150	152	156	161	160
11	165	171	171	178	177	172	172	169	166	162	162	161	163	160	161	162	162	153	147	139	132	133	136	140	159
12	148	160	170	175	171	161	162	162	160	148	145	152	155	158	154	154	149	142	136	129	136	135	138	151	152
13	150	166	174	178	180	166	152	162	163	163	164	162	156	153	154	151	150	145	139	137	136	138	146	160	156
14	165	176	172	168	165	160	162	160	162	162	163	161	161	159	155	149	146	135	133	135	141	151	156	168	157
15	172	188	183	173	164	162	161	160	161	160	162	157	153	151	146	146	145	138	136	137	140	138	146	157	156
16 Q	161	171	169	165	162	163	162	161	158	155	157	158	157	158	156	154	152	144	138	136	136	138	148	155	155
17	165	183	185	179	181	182	173	167	166	162	181	150	144	152	155	158	161	156	145	140	142	149	158	168	163
18	169	175	176	172	168	165	156	162	158	155	152	160	164	164	162	161	155	143	134	129	129	136	144	152	156
19	163	175	177	180	177	180	169	165	164	162	165	166	166	155	155	158	155	152	147	141	146	149	155	160	162
20 Q	168	177	181	174	166	166	166	160	156	160	162	163	165	163	164	162	157	148	131	132	146	152	162	169	160
21	168	175	172	169	166	166	167	166	166	164	159	164	167	168	168	164	156	148	138	137	145	155	162	170	162
22 Q	181	184	182	170	164	166	166	168	166	165	161	163	166	168	167	163	156	150	144	147	156	163	165	170	165
23	170	173	169	163	164	164	163	165	163	160	163	157	162	165	164	161	156	147	130	125	132	141	150	153	157
24	163	167	163	160	158	159	162	161	158	156	156	154	153	147	138	139	139	139	131	131	130	129	135	146	149
25 D	146	156	154	155	158	155	157	157	157	156	146	147	147	-28	-79	19	87	121	115	131	139	258	458	82	137
26 D	90	130	120	206	282	-21	-34	-58	26	58	58	58	76	51	170	198	200	190	186	187	184	190	176	190	120
27	184	195	206	210	201	197	191	160	170	180	181	176	176	176	175	180	182	180	179	182	183	188	199	214	186
28 D	194	190	191	187	187	187	185	177	143	67	57	122	171	186	186	188	169	152	157	174	197	219	230	251	174
29 D	268	279	270	281	261	197	207	147	26	79	107	108	92	112	144	180	192	192	186	182	181	183	184	187	177
30	186	190	186	186	183	184	185	182	167	163	170	180	183	180	164	110	128	130	138	144	152	175	187	195	169
31	230	247	359	297	266	218	180	194	189	189	185	189	189	191	192	190	190	186	180	174	169	176	174	171	205
MEAN	171	182	187	187	187	169	165	159	154	152	150	152	153	148	148	152	154	151	148	148	152	160	172	167	161

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 16 VICTORIA H = 18,500 GAMMA + JUNE 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 Q	354	363	368	366	365	367	366	366	368	367	371	372	373	373	375	377	365	353	346	346	347	348	351	353	363
2	365	373	377	374	376	377	380	378	383	382	383	379	377	371	369	363	357	353	342	333	349	359	367	370	368
3	385	392	377	381	379	378	381	385	385	388	385	386	386	390	386	376	365	356	366	376	378	377	379	382	380
4	386	391	389	387	385	391	392	391	393	395	398	398	391	392	392	386	365	343	344	355	354	357	371	377	380
5 D	361	362	370	372	375	380	382	392	404	407	414	400	399	403	399	395	380	368	367	357	360	394	425	451	388
6 D	597	982	421	273	298	307	307	339	343	354	365	376	380	384	371	357	350	346	337	346	355	377	357	395	388
7	390	437	379	352	364	369	350	349	350	357	360	366	372	372	374	371	370	365	354	344	333	345	362	367	365
8	375	379	381	381	380	382	386	389	392	400	371	384	398	371	369	376	381	371	349	349	340	349	365	363	374
9	377	382	385	392	372	363	371	375	382	388	384	368	390	397	391	390	381	380	372	366	358	366	377	381	379
10	388	390	382	377	381	375	377	386	388	388	385	394	396	401	397	387	375	362	356	362	359	363	381	382	381
11	384	384	383	385	385	384	387	390	392	394	397	400	405	406	406	402	398	373	356	353	368	378	393	392	387
12	395	400	389	382	384	391	390	391	396	394	394	398	398	397	403	396	384	376	378	374	371	377	380	378	388
13	397	398	378	381	393	394	400	399	397	398	403	403	406	411	411	402	397	391	386	382	380	375	376	377	393
14	387	397	384	385	391	393	398	403	388	396	396	392	393	392	403	392	394	389	379	372	362	369	368	375	387
15	397	369	374	375	384	384	394	393	395	398	398	402	403	403	398	397	388	388	389	390	383	384	388	380	390
16	379	385	380	384	383	384	389	395	398	400	402	396	394	399	404	400	397	387	389	385	387	391	387	382	391
17	380	385	388	391	391	397	399	400	405	417	403	394	400	400	394	378	359	363	381	387	388	386	390	380	390
18 Q	375	369	387	383	386	389	394	398	400	402	406	409	412	420	420	413	402	392	387	388	385	383	385	395	395
19	396	391	386	391	394	400	403	406	411	412	411	411	413	418	415	409	414	414	397	387	381	376	380	378	400
20 C	383	386	393	396	392	394	400	402	401	407	406	406	414	420	420	413	400	401	357	362	367	376	382	391	395
21	395	395	389	395	393	392	395	397	399	399	405	410	413	416	417	404	383	365	365	371	374	374	381	378	392
22	389	395	395	398	393	394	396	393	396	404	408	406	408	410	410	405	402	394	383	380	377	376	379	386	395
23 Q	389	393	400	396	397	398	397	395	395	400	401	399	404	408	408	407	401	392	383	372	370	364	374	377	393
24 Q	392	391	394	389	395	397	398	396	394	398	398	401	403	407	412	409	397	384	374	365	368	370	376	375	391
25 D	383	383	397	407	409	403	395	392	404	418	418	423	424	426	420	424	417	377	333	309	328	332	357	394	391
26 D	391	374	362	361	375	390	387	384	388	388	386	386	400	405	400	396	384	386	392	379	366	369	368	384	384
27 D	419	414	399	375	361	365	379	382	386	385	367	379	388	391	394	395	384	379	364	360	366	379	382	405	383
28	385	374	378	375	378	382	388	390	392	385	366	373	379	380	376	373	373	375	368	352	360	372	375	374	376
29	386	386	387	387	392	395	393	370	383	384	388	385	389	392	393	386	375	369	366	367	366	352	365	388	381
30	371	382	383	378	383	388	395	386	384	389	398	389	399	388	389	385	380	375	373	383	379	376	377	378	384
MEAN	392	407	385	379	381	383	386	387	390	393	392	393	397	398	397	392	384	376	368	365	365	370	377	383	385

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 17 VICTORIA D = 22 DEG CC.0 MIN + JUNE 1967

DAY	HOUR = 00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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	27.2	28.2	29.7	31.1	30.8	30.9	31.5	31.7	31.9	32.4	32.2	32.1	33.4	34.5	36.3	38.5	40.2	39.0	33.5	29.9	28.6	27.6	27.1	27.6	31.9
2	27.7	29.1	30.0	30.9	3C.4	30.7	30.8	30.7	30.0	31.7	31.6	31.3	33.1	34.7	36.5	37.5	37.0	36.6	33.4	31.7	28.4	26.2	26.5	27.6	31.4
3	28.1	30.5	31.1	32.3	35.8	31.7	30.2	30.8	31.9	30.2	31.2	31.8	33.2	35.5	36.8	38.5	39.0	38.3	33.1	30.7	27.6	26.7	27.1	28.2	32.1
4	28.C	29.3	30.0	3C.5	3C.4	30.2	30.6	30.9	30.7	31.1	31.8	32.5	31.4	32.8	34.6	34.6	34.1	37.8	33.6	27.9	22.8	23.4	24.0	24.3	30.3
5 D	26.4	26.1	28.8	29.2	3C.5	3C.8	31.2	31.0	30.3	30.4	30.7	28.2	30.5	36.4	38.7	40.2	39.2	35.5	33.8	36.0	23.6	22.5	20.0	18.7	30.4
6 D	14.6	13.8	20.7	24.5	33.4	32.3	36.0	30.7	29.8	29.9	30.1	30.7	30.4	32.7	35.9	38.6	38.4	38.0	36.3	30.1	25.9	25.0	22.9	22.7	29.3
7	23.3	27.1	26.1	27.1	26.8	26.0	32.0	29.9	30.9	30.7	31.5	32.1	33.5	35.7	36.6	37.4	37.8	37.7	35.6	34.4	32.3	30.4	29.8	29.5	31.4
8	29.7	30.9	31.3	31.1	3C.4	31.0	30.4	30.7	31.8	33.1	37.4	34.6	35.5	38.5	39.1	40.0	38.1	38.8	35.7	32.6	30.4	27.8	25.3	24.9	32.9
9	25.8	29.3	34.9	36.4	34.4	33.4	33.1	30.2	29.9	32.9	29.6	31.5	33.1	35.4	36.3	37.9	38.5	37.8	36.0	33.5	29.5	27.0	26.4	27.6	32.5
10	26.5	30.C	29.8	31.C	32.7	31.9	32.6	30.4	29.1	31.2	31.3	32.6	33.4	35.6	36.8	38.6	37.9	37.1	34.3	30.3	27.2	27.2	25.8	26.0	31.6
11	27.2	29.3	31.1	31.9	3C.9	3C.5	30.6	30.7	31.0	30.9	31.0	32.1	32.7	34.5	36.8	36.7	36.6	37.6	35.3	29.4	24.3	23.9	24.8	26.3	31.1
12	27.7	29.7	31.3	31.C	3C.4	30.3	30.2	31.C	31.8	31.2	31.4	31.6	33.1	32.8	34.2	37.1	38.1	37.6	34.7	32.4	29.4	26.4	25.8	25.6	31.4
13	26.8	26.6	29.C	30.7	29.9	3C.4	30.0	30.1	3C.7	30.9	32.C	32.3	33.4	34.5	36.3	37.8	38.4	39.5	35.9	32.0	29.7	29.0	28.4	28.0	31.8
14	28.6	29.2	29.3	32.2	31.C	29.6	31.8	32.2	33.1	31.7	32.7	33.6	36.8	32.4	36.0	40.2	41.6	41.6	38.6	35.5	30.5	28.0	27.3	26.1	32.9
15	23.8	26.6	28.2	31.3	32.C	30.6	30.6	3C.5	32.1	31.7	31.5	32.4	33.4	34.3	35.6	36.5	35.5	33.5	33.4	31.6	30.3	28.2	26.7	26.3	31.1
16	25.4	27.0	28.2	29.5	30.3	3C.8	31.6	31.C	33.4	34.0	32.3	33.0	32.8	33.8	34.8	35.6	36.3	36.6	34.2	32.4	29.5	28.0	27.1	27.2	31.4
17	27.6	28.3	29.2	30.5	3C.C	29.9	30.8	31.2	3C.9	31.1	31.8	34.6	33.5	35.5	36.6	35.7	31.4	27.7	27.8	26.1	25.8	24.5	23.5	23.9	29.9
18 Q	26.C	28.8	30.2	3C.9	31.1	3C.3	31.1	31.3	31.3	31.4	31.1	31.8	33.0	34.4	36.0	36.7	37.4	36.5	32.9	29.3	25.8	24.5	24.7	25.9	30.9
19	27.6	29.7	30.5	3C.3	29.8	3C.1	29.8	3C.3	30.6	31.2	31.3	32.3	32.5	33.8	35.5	38.8	38.8	36.6	34.7	31.4	28.4	27.9	27.2	26.6	31.5
20 C	27.4	28.5	29.7	31.C	3C.9	30.4	32.7	34.4	32.5	31.6	31.C	31.9	32.5	34.2	35.5	38.4	38.5	36.8	33.1	30.2	28.2	26.5	26.0	26.3	31.6
21	27.5	29.8	30.4	31.0	31.1	32.1	30.7	30.9	30.3	31.4	31.8	32.5	34.2	34.6	37.0	37.6	39.5	38.4	34.7	31.8	28.7	26.4	26.3	26.7	31.9
22	27.2	28.6	29.6	31.3	30.3	30.3	31.8	30.8	3C.9	30.7	31.7	32.3	34.7	35.4	37.4	38.8	38.2	36.4	32.2	30.1	27.8	27.5	27.2	26.7	31.6
23 C	26.2	28.2	28.9	30.9	30.4	30.8	30.5	30.8	31.2	31.1	31.4	33.1	34.1	35.3	36.2	38.4	39.9	38.5	34.8	33.5	29.5	27.6	25.6	25.5	31.8
24 C	25.7	28.3	29.8	30.7	30.9	31.1	32.1	31.4	30.8	30.9	31.C	32.4	33.6	35.2	37.1	39.5	40.C	39.0	35.1	31.6	27.7	24.8	24.2	24.6	31.6
25 D	26.1	29.1	29.2	28.2	29.0	3C.2	32.6	33.3	29.8	28.6	28.2	31.0	32.5	35.0	36.9	38.8	38.3	40.7	39.9	33.1	23.8	22.9	22.7	20.7	30.9
26 D	19.8	24.1	26.5	29.6	32.8	32.4	31.2	30.7	3C.4	30.6	28.8	29.2	33.0	35.2	37.7	40.2	38.4	37.2	36.7	34.4	31.0	27.1	24.8	23.6	31.1
27 D	23.0	24.6	25.1	24.3	31.3	36.4	33.4	29.8	28.8	31.3	34.6	34.8	33.5	34.7	36.5	35.9	38.1	39.5	35.1	30.4	27.5	27.4	26.4	25.3	31.2
28	24.7	26.7	27.7	29.7	29.2	30.0	30.2	31.1	30.3	29.4	32.8	33.9	34.4	35.7	36.9	38.8	37.8	35.2	35.7	31.8	28.2	26.8	25.6	25.8	31.2
29	26.7	30.C	3C.6	3C.7	31.0	32.4	40.6	34.8	31.0	31.0	31.1	32.3	32.7	34.9	37.3	38.3	39.2	35.4	35.8	33.3	29.0	27.6	27.0	26.0	32.4
3C	26.C	27.7	28.9	29.3	29.2	31.6	32.0	37.8	33.4	30.8	30.5	32.1	33.1	36.2	36.6	38.1	38.3	38.9	34.1	30.8	28.4	27.1	25.9	25.7	31.8
MEAN	25.9	27.8	29.2	30.3	3C.9	31.0	31.8	31.4	31.C	31.2	31.5	32.2	33.2	34.8	36.5	38.0	38.0	37.3	34.7	31.6	28.0	26.5	25.7	25.7	31.4

VERTICAL INTENSITY

MEAN VALUES FOR PERICDS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 18 VICTORIA — Z = 53,000 GAMMA + — JUNE 1967

HOUR =		00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																										
1	Q	173	179	181	180	179	179	176	176	176	175	177	175	178	175	176	180	181	175	166	161	166	173	180	183	176
2		186	193	193	187	183	181	182	181	177	173	167	168	173	176	167	158	147	144	134	141	154	166	169	176	170
3		184	198	193	193	188	183	181	178	175	173	174	176	180	181	179	177	164	156	157	156	154	154	163	168	174
4		172	180	177	172	171	170	171	168	170	171	169	170	168	160	152	144	139	139	132	126	132	147	167	191	161
5	D	216	202	201	187	180	182	178	177	178	176	174	158	146	158	164	166	165	161	154	145	140	156	186	231	174
6	D	413	474	358	234	228	224	207	194	188	191	193	194	193	198	197	195	189	181	175	174	176	184	183	205	223
7		234	318	275	256	240	218	213	171	163	182	181	191	197	199	202	203	196	192	186	184	180	176	182	188	205
8		190	194	191	186	187	185	184	187	186	183	158	151	172	164	156	162	157	158	152	154	153	170	175	178	172
9		189	200	204	202	194	197	194	180	153	162	156	135	164	178	181	184	180	177	176	174	174	180	183	195	180
10		200	209	205	196	189	187	188	185	161	170	173	177	179	183	179	178	174	172	163	158	161	165	169	173	179
11		176	178	180	182	179	177	175	177	175	175	175	176	175	174	170	166	163	160	158	158	162	168	168	170	172
12		177	186	186	182	177	179	177	178	177	176	177	179	176	172	171	172	169	163	162	161	157	157	163	167	173
13		180	187	184	183	179	176	174	172	171	173	173	175	176	177	179	177	162	152	150	152	158	163	167	168	171
14		177	186	188	189	180	175	178	160	163	171	167	164	147	146	145	149	152	155	151	147	154	166	170	188	165
15		208	213	212	200	187	180	175	166	172	173	173	174	174	176	175	174	163	153	147	147	152	160	166	164	174
16		167	175	173	176	169	168	167	168	167	163	155	159	164	164	164	164	162	156	145	139	142	151	159	166	162
17		169	175	174	171	168	166	165	164	164	157	137	144	156	160	159	152	139	132	130	130	132	143	155	163	154
18	Q	173	180	183	176	169	167	164	164	163	161	160	163	166	166	167	167	159	150	134	137	138	140	151	159	161
19		164	173	168	165	162	160	160	160	160	159	159	158	160	157	153	150	147	140	139	136	133	136	146	157	154
20	Q	170	177	176	175	170	168	169	168	163	164	164	165	169	173	174	171	163	146	143	139	140	150	154	157	163
21		159	165	166	167	165	167	163	164	162	160	161	160	163	164	160	154	153	140	131	128	132	139	139	146	155
22		155	165	165	167	164	163	162	163	164	163	162	160	158	157	158	154	149	138	132	133	134	138	145	157	154
23	Q	156	162	165	166	163	163	159	160	159	159	159	160	161	162	160	152	148	145	137	135	137	141	145	151	154
24	Q	157	165	166	160	159	159	160	158	160	159	158	160	160	160	160	156	156	150	135	130	135	138	142	144	154
25	D	155	164	167	165	158	161	167	173	169	167	163	163	166	166	163	171	166	159	139	122	137	148	167	202	162
26	D	238	244	230	206	189	170	165	173	175	164	161	159	165	171	169	162	144	131	132	139	147	154	155	160	171
27	C	181	214	232	243	263	220	195	196	150	183	160	168	181	184	180	183	177	173	168	162	161	162	166	179	188
28		179	181	178	167	166	167	168	169	168	168	158	141	148	165	167	169	162	158	151	146	149	154	158	164	163
29		169	176	174	168	168	170	168	158	170	168	170	170	172	172	169	167	159	155	148	141	142	149	156	166	164
30		173	187	182	173	167	168	165	160	160	167	166	159	169	168	173	173	169	160	150	152	147	151	164	169	166
MEAN		188	200	194	186	181	178	175	172	169	170	166	165	169	170	169	168	162	156	149	147	149	156	163	173	170

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 19 VICTORIA H = 18,500 GAMMA + JULY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	382	385	385	381	387	386	379	376	367	364	377	386	383	386	398	369	363	362	366	373	374	363	368	369	376
2	388	385	377	365	370	372	377	384	388	388	387	388	390	396	396	396	393	387	385	380	372	371	374	384	383
3 Q	385	388	395	394	394	390	393	397	396	400	399	397	400	405	406	405	397	385	369	363	360	372	386	388	390
4	389	404	397	384	398	397	397	399	405	405	401	402	404	410	407	398	384	381	386	387	389	389	392	409	396
5 D	394	412	393	377	370	370	376	386	372	353	372	382	381	376	396	383	380	377	371	371	357	353	369	385	377
6	385	392	390	392	388	390	386	382	382	381	385	387	381	382	385	387	382	379	378	372	368	358	365	364	381
7	394	395	399	386	389	368	377	385	388	392	396	393	392	398	399	393	388	372	355	360	368	373	376	382	384
8	392	387	390	392	391	390	392	391	395	396	396	402	404	409	410	412	407	393	370	366	374	384	393	396	393
9 Q	394	393	394	396	395	395	394	391	395	396	398	403	407	407	411	412	409	397	374	366	363	371	382	392	393
10 Q	398	402	398	398	403	403	403	405	405	406	410	409	415	421	425	425	418	401	376	367	373	385	389	398	401
11 D	410	394	385	405	411	414	393	411	399	402	411	413	411	401	402	398	389	385	379	372	368	391	389	383	397
12	387	383	397	390	401	396	395	397	405	396	396	395	396	398	399	402	397	388	379	374	373	378	385	394	392
13	400	396	390	389	396	393	398	399	397	395	397	398	400	406	405	401	394	385	381	374	382	385	397	391	394
14	388	393	387	394	404	395	389	390	399	392	396	400	398	401	397	399	395	387	386	392	396	395	391	388	394
15	383	383	385	391	392	394	394	395	396	397	397	396	397	404	405	406	401	387	384	385	397	381	385	386	393
16	394	392	400	394	376	388	394	396	395	396	393	398	400	405	405	402	393	385	377	367	368	368	369	374	381	389
17	390	388	394	392	394	396	398	402	402	405	406	405	408	406	411	407	401	386	368	365	375	383	396	404	395
18	402	404	400	407	411	416	399	408	412	400	395	405	404	406	410	406	401	391	379	375	378	370	378	392	398
19	387	396	397	394	388	391	393	394	393	396	397	397	401	405	408	404	397	384	374	372	375	377	383	392	391
20	395	402	398	392	396	399	402	405	407	403	399	403	403	405	412	415	416	392	373	372	379	373	379	386	396
21	404	404	405	400	395	400	406	412	406	411	406	404	409	411	415	406	399	380	367	361	354	357	368	386	395
22 Q	398	400	403	410	406	411	409	411	412	410	410	413	416	418	414	422	424	412	388	372	370	370	376	386	403
23 D	393	402	402	405	401	405	405	406	414	411	411	410	407	424	430	417	409	394	376	376	368	370	355	334	397
24	363	380	375	382	392	396	399	398	396	397	394	391	392	396	402	402	385	365	346	336	342	364	371	390	381
25	398	393	401	392	393	392	402	404	400	404	410	406	405	409	412	402	394	363	332	343	361	374	388	398	391
26	399	395	387	392	392	388	393	393	394	395	395	396	397	403	405	399	395	380	361	355	355	365	374	384	387
27	394	394	392	394	392	394	398	402	391	386	393	398	401	411	412	403	389	366	355	361	368	381	388	396	390
28	391	393	391	405	401	402	406	405	415	407	398	408	413	420	419	415	407	374	392	413	405	402	407	406	404
29	404	411	422	415	388	387	387	385	390	393	391	392	396	400	403	397	389	378	373	377	377	385	393	382	392
30 D	391	400	382	360	365	353	358	377	382	382	376	377	377	378	382	379	380	375	369	361	362	364	372	377	374
31 Q	381	386	391	390	386	386	384	383	386	387	387	385	389	391	389	387	380	372	364	366	369	369	371	382	382
MEAN	392	395	394	392	393	392	393	396	396	395	396	398	399	403	405	402	395	383	372	370	372	375	381	387	391

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 20 VICTORIA C = 22 DEG 00.0 MIN + JULY 1967

HOUR =	CC TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	25.3	27.1	27.9	28.7	31.5	33.4	33.2	32.8	37.4	33.9	31.0	33.9	34.5	36.0	35.0	36.5	38.5	40.2	35.8	33.9	31.2	29.3	28.3	28.3	32.6
2	28.0	30.9	32.4	32.4	32.5	32.7	30.2	30.0	29.6	30.7	30.1	31.6	31.8	33.2	34.3	35.7	35.3	33.7	31.2	30.3	29.5	29.1	27.5	27.1	31.2
3 Q	26.7	28.8	29.6	30.7	30.7	30.3	30.1	30.1	31.0	30.5	31.3	31.7	32.9	34.0	34.9	37.4	38.1	37.9	35.5	32.7	29.6	27.9	25.8	24.9	31.4
4	26.4	26.9	29.3	30.1	31.1	33.9	31.5	31.4	30.3	31.7	31.2	31.4	32.7	33.9	35.0	36.8	36.6	35.1	31.0	28.0	25.6	25.3	25.1	24.5	30.6
5 D	25.9	27.6	26.7	28.1	29.6	31.0	29.4	30.6	38.0	35.0	31.8	30.1	28.9	27.8	31.7	34.1	37.5	38.0	35.1	32.6	29.1	27.9	27.5	27.6	30.9
6	27.4	28.4	29.9	31.8	31.6	31.5	31.5	31.1	31.3	31.4	31.0	30.4	31.4	32.6	31.5	36.7	37.5	37.5	35.3	31.5	29.2	27.3	26.3	25.4	31.2
7	24.6	27.2	34.1	31.0	34.6	34.6	32.0	29.7	29.7	29.7	29.8	30.6	31.9	33.0	36.1	36.4	37.7	36.4	33.7	30.8	27.7	25.9	25.3	26.2	31.2
8	27.7	31.7	31.4	31.6	31.8	31.7	31.0	30.4	29.6	29.9	30.0	30.8	32.0	34.2	34.5	35.9	36.7	35.9	32.3	27.3	23.9	23.7	24.2	26.1	30.6
9 Q	28.2	30.5	31.4	31.5	31.3	31.1	30.9	30.8	30.9	29.9	30.4	31.0	32.0	33.2	33.7	35.3	38.0	38.5	35.6	32.3	28.1	25.9	25.1	25.6	31.3
10 Q	26.9	29.7	31.1	31.3	30.4	30.5	30.4	30.3	30.3	30.4	31.0	31.8	32.6	33.8	35.0	36.3	37.4	36.3	34.0	30.6	27.3	26.0	25.7	24.8	31.0
11 D	24.1	24.7	27.5	28.2	27.5	29.1	31.1	30.0	33.2	33.4	29.9	32.6	33.2	35.4	39.0	37.6	41.2	36.7	32.5	29.5	26.5	23.9	23.4	24.4	30.6
12	24.4	27.8	29.6	35.1	31.1	29.9	29.7	31.0	29.7	30.2	29.6	30.6	31.3	31.9	35.0	37.7	38.9	35.6	33.4	31.2	28.0	25.7	25.1	24.2	30.7
13	25.8	29.0	30.5	30.9	31.4	30.6	30.2	30.9	30.2	29.8	31.0	31.4	32.7	33.3	34.8	35.2	34.7	34.4	33.5	28.8	23.9	23.6	24.2	25.4	30.3
14	26.2	26.8	28.8	29.2	33.8	32.9	32.0	31.9	30.8	28.8	31.1	31.4	32.0	33.8	33.7	36.5	37.9	36.9	33.5	30.4	28.6	27.0	27.1	27.8	31.2
15	29.0	31.0	30.7	30.6	30.4	31.3	31.2	31.1	30.7	31.8	31.4	31.4	31.3	33.1	35.1	36.9	37.5	36.0	32.3	29.4	25.0	23.5	25.2	25.8	30.9
16	25.8	28.6	28.9	30.3	31.8	30.5	30.0	30.0	30.5	31.3	31.4	31.0	31.7	32.7	34.5	35.9	37.0	36.4	36.7	34.8	31.4	29.8	27.9	25.9	31.4
17	25.0	27.7	29.2	30.5	30.6	30.9	31.3	30.7	31.2	31.3	31.5	31.7	32.4	33.5	35.5	38.8	39.5	39.0	35.5	31.4	28.3	25.5	23.2	22.4	31.1
18	22.9	26.1	28.3	28.8	29.4	30.2	30.5	29.6	29.6	33.1	32.3	31.3	32.9	35.1	35.9	37.0	39.5	39.0	36.2	32.1	28.5	26.1	24.9	24.3	31.0
19	26.2	29.2	30.2	30.9	31.0	30.6	30.0	30.7	30.8	31.0	30.7	31.1	31.6	33.0	34.6	37.3	40.2	40.1	38.9	34.1	31.4	28.4	26.6	25.3	31.8
20	26.9	28.7	30.2	31.2	31.1	30.3	29.9	30.3	30.1	30.6	30.5	31.1	30.4	31.2	36.1	37.6	37.4	38.3	36.7	31.7	27.8	25.6	25.2	25.7	31.0
21	25.8	28.3	30.2	31.2	30.7	29.6	32.3	32.8	30.2	31.9	31.1	31.3	32.7	34.4	35.7	36.8	38.1	37.7	37.0	32.6	27.1	23.3	21.8	22.9	31.1
22 Q	25.5	28.3	30.8	30.7	29.8	30.1	29.8	28.9	29.3	30.4	30.4	31.9	32.6	33.9	36.1	36.9	37.1	37.0	34.6	32.9	30.7	26.4	23.8	23.9	30.9
23 D	26.2	28.5	30.4	30.9	31.1	31.0	31.6	31.5	30.8	29.4	29.6	30.8	33.5	34.7	36.9	38.9	42.3	39.5	33.1	30.0	27.5	22.4	20.6	21.5	30.9
24	23.4	26.5	29.9	30.9	29.4	30.9	34.2	31.3	29.7	29.7	30.3	31.3	31.8	33.6	36.8	39.2	41.4	40.3	36.0	30.4	26.5	22.6	21.7	21.6	30.8
25	24.0	27.8	29.9	30.7	31.2	30.4	31.5	31.3	31.2	31.0	31.1	32.9	34.2	33.0	35.3	39.3	42.4	42.6	37.3	28.8	24.1	20.7	19.9	19.9	30.9
26	23.0	25.5	29.3	31.9	30.2	30.2	30.1	30.0	29.9	30.0	30.2	30.0	31.9	34.0	37.2	39.0	38.7	37.7	35.6	30.3	26.9	25.7	25.1	25.2	30.7
27	26.5	28.5	30.3	31.0	30.7	30.1	29.9	30.3	31.7	32.6	30.1	30.7	32.4	32.9	35.8	38.1	39.4	40.0	35.0	30.8	26.3	23.4	23.0	22.8	30.9
28	25.1	26.9	28.1	28.5	30.0	29.4	29.6	29.0	30.4	30.4	31.6	32.2	32.1	33.6	33.8	38.2	39.7	37.1	27.7	23.8	26.0	25.5	25.2	25.4	30.0
29	26.3	27.6	27.8	29.2	40.7	34.7	30.9	30.5	29.6	31.2	31.3	31.0	31.9	33.4	35.7	38.1	39.2	39.5	38.4	31.8	30.6	29.0	26.5	25.3	32.1
30 D	25.6	27.1	32.1	33.3	36.4	42.3	35.3	33.1	32.6	30.8	29.2	30.1	31.1	32.5	34.6	36.6	37.7	35.5	33.7	31.2	29.1	27.9	26.5	26.9	32.1
31 Q	27.0	28.7	30.8	30.8	31.7	31.3	31.4	31.6	32.0	31.3	31.7	31.5	32.3	32.5	33.4	34.7	35.7	35.9	33.8	30.5	27.3	27.1	27.2	26.3	31.1
MEAN	25.9	28.1	29.9	30.7	31.5	31.5	31.1	30.8	31.0	31.1	30.8	31.3	32.2	33.3	35.1	37.0	38.3	37.6	34.5	30.9	27.8	25.9	25.0	24.9	31.1

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 21 VICTORIA — Z = 53,000 GAMMA + — JULY 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	174	185	188	183	183	176	179	167	133	127	104	134	132	132	127	139	139	147	144	154	157	168	179	187	156
2	197	215	215	203	200	190	183	177	173	170	169	171	172	174	177	177	174	172	164	161	153	158	158	166	178
3 Q	169	178	181	177	171	167	164	167	164	164	160	161	163	165	164	165	161	159	153	147	149	156	161	165	164
4	166	176	177	174	173	168	166	168	169	161	163	168	169	171	174	172	164	152	141	140	145	151	161	175	164
5 D	177	195	195	201	200	200	189	183	164	155	163	169	165	142	149	143	148	149	140	142	148	158	169	179	168
6	178	188	183	180	172	170	167	167	165	165	165	165	164	160	148	152	151	149	148	147	143	149	164	174	163
7	192	209	213	197	187	180	182	181	174	172	168	164	168	171	171	169	173	171	159	151	151	157	160	168	175
8	173	178	177	177	171	165	167	168	165	165	165	162	168	172	169	169	163	160	154	148	146	150	156	163	165
9 C	167	175	174	172	168	166	165	167	165	164	162	165	166	167	163	163	160	155	144	138	135	138	146	153	160
10 Q	157	165	162	161	160	160	159	161	160	162	161	162	160	163	163	165	163	156	144	134	133	132	135	149	155
11 D	165	182	184	176	166	164	172	168	163	165	167	169	166	161	161	158	151	146	136	128	128	140	146	156	159
12	165	168	177	176	169	160	161	160	157	153	159	160	162	164	164	163	159	153	144	141	149	157	163	165	160
13	167	175	172	166	163	162	161	159	158	160	160	160	163	163	162	155	155	153	148	141	148	151	162	168	160
14	169	176	172	169	167	163	166	167	157	147	158	166	167	169	166	167	164	153	148	145	147	150	148	158	161
15	165	173	167	164	161	159	158	158	158	159	157	160	159	152	149	145	145	136	127	122	128	133	140	154	151
16	162	167	171	170	171	167	163	160	160	159	160	162	164	165	167	169	162	161	155	151	149	139	145	146	160
17	160	170	174	170	165	162	160	161	159	158	161	160	159	162	161	157	154	148	134	124	123	133	140	154	155
18	152	163	161	159	159	160	160	159	158	157	158	156	159	161	165	167	160	152	149	144	145	141	144	156	156
19	160	171	179	172	164	162	158	160	157	157	159	157	159	163	165	158	155	145	137	129	131	135	141	148	155
20	155	168	166	160	162	159	158	159	157	153	152	156	157	155	157	157	162	158	143	140	135	142	149	157	155
21	161	167	169	165	162	160	160	153	154	151	150	152	156	158	157	162	161	152	134	126	125	130	134	147	152
22 Q	157	163	161	159	160	155	157	155	157	154	154	153	155	154	157	155	148	144	147	139	134	134	132	140	151
23 D	149	160	160	157	157	156	154	155	151	145	147	146	152	157	160	162	158	147	140	127	117	125	144	156	149
24	167	174	171	169	163	164	163	158	157	160	158	158	161	163	167	161	158	149	138	131	128	132	139	153	156
25	167	172	176	165	160	159	160	148	153	157	151	144	148	153	157	164	161	151	140	133	138	142	146	157	154
26	172	182	184	180	169	163	159	160	158	160	161	158	164	165	170	173	166	154	142	137	130	131	138	151	159
27	158	162	161	158	153	153	155	156	157	157	158	158	159	160	163	165	161	153	146	136	135	141	143	153	154
28	163	174	166	163	162	156	157	157	157	158	156	161	163	163	160	157	149	131	127	118	119	127	142	150	152
29	154	166	170	178	179	172	171	168	165	161	162	162	166	167	171	169	166	158	144	143	144	151	162	174	163
30 D	180	204	213	204	203	185	181	184	178	173	171	168	169	169	175	176	180	169	160	153	150	151	152	156	175
31 Q	163	169	173	171	167	164	163	162	161	161	162	162	162	165	158	157	152	143	143	143	147	152	155	160	159
MEAN	166	176	177	173	170	166	165	164	160	158	158	160	161	161	162	162	159	152	144	139	139	144	150	159	159

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 22 VICTORIA H = 18,500 GAMMA + AUGUST 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 Q	383	390	391	387	387	389	391	391	392	392	395	398	403	410	411	414	409	393	388	383	378	384	391	398	394
2 Q	404	400	396	395	398	399	402	402	402	402	402	404	404	409	409	405	397	388	378	375	374	381	385	393	396
3 Q	394	394	395	396	397	401	401	402	400	401	403	404	405	411	416	418	410	399	396	386	382	377	383	382	398
4	394	401	400	402	399	399	405	403	399	407	407	406	412	416	415	406	400	388	376	366	360	362	370	387	395
5	397	376	390	395	397	394	399	396	398	399	397	397	403	411	415	423	421	396	384	381	376	370	382	391	395
6	398	401	399	402	401	398	403	405	404	398	406	406	409	415	420	413	402	391	380	384	386	386	392	388	399
7	391	388	403	399	405	403	404	408	398	393	404	403	403	410	415	413	408	392	377	369	360	355	372	376	394
8	376	394	385	389	395	390	392	391	396	404	408	406	404	409	415	414	405	390	379	373	374	381	383	392	394
9	400	404	402	401	403	403	404	401	404	410	415	409	412	423	424	428	417	395	386	379	370	373	371	390	401
10 D	398	392	394	399	405	390	397	403	401	401	404	403	395	396	397	388	394	390	384	382	376	382	383	376	393
11 D	407	396	393	385	398	405	428	413	408	411	408	414	413	412	405	399	388	374	357	356	364	367	377	392	395
12	381	373	391	390	392	394	397	396	404	402	401	398	397	400	395	392	386	382	377	373	377	383	382	381	389
13	390	393	394	392	397	398	400	401	400	401	404	401	397	399	396	387	379	389	403	393	375	377	383	383	393
14	385	387	388	387	383	380	388	403	385	396	405	391	396	398	402	396	388	383	377	372	371	384	395	391	389
15	401	404	404	398	400	404	402	400	409	410	402	400	397	402	405	397	389	382	375	374	374	379	380	380	395
16	394	397	396	396	398	402	401	406	405	406	405	407	408	411	415	409	402	386	382	376	381	383	389	389	398
17 D	385	395	402	398	381	395	400	407	411	413	410	417	417	414	422	418	404	386	391	383	383	385	386	400	400
18 D	395	399	387	392	398	396	398	417	391	389	395	394	396	398	400	399	404	395	369	357	361	357	355	374	388
19	392	389	393	393	399	401	405	400	407	408	406	406	403	404	400	398	390	370	357	355	351	370	384	399	391
20	398	400	402	401	396	397	402	391	399	404	401	406	408	410	402	393	378	364	352	346	344	344	365	390	387
21	397	403	398	400	401	402	404	406	411	406	407	402	404	406	409	400	385	367	353	355	360	378	397	404	394
22 Q	397	407	407	405	408	404	406	407	406	408	408	407	405	413	412	406	385	374	374	373	371	378	392	396	398
23 Q	407	415	408	398	405	406	407	406	409	413	417	406	401	408	410	407	387	362	348	353	364	375	391	400	396
24	410	402	385	389	399	396	393	399	396	398	397	410	406	413	409	402	388	377	376	374	375	383	386	395	394
25 D	406	412	411	410	405	400	386	387	391	403	396	396	396	402	400	393	389	360	354	360	362	386	397	387	391
26	379	388	391	391	398	400	402	402	402	408	403	410	406	412	412	404	386	374	363	358	369	385	369	386	392
27	393	391	394	381	390	395	399	400	400	406	394	394	396	400	397	392	383	368	356	355	364	377	378	388	387
28	395	407	400	403	402	403	396	400	403	403	405	405	402	409	405	392	378	364	357	354	360	368	385	392	391
29	400	403	404	403	403	408	406	411	412	401	401	403	402	402	402	394	384	370	367	373	383	393	392	396	396
30	401	404	405	408	405	395	392	398	394	402	403	403	402	394	403	399	381	364	360	352	358	360	364	383	389
31	389	402	397	402	394	397	407	398	397	390	399	407	397	396	408	402	392	373	370	372	381	391	399	400	394
MEAN	395	397	397	396	398	398	401	402	401	403	403	404	403	407	408	403	394	380	372	369	370	376	383	390	394

DECLINATION(EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 23 VICTORIA D = 22 DEG 00.0 MIN + AUGUST 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 Q	26.7	28.4	30.3	30.9	31.5	30.7	31.3	31.1	31.0	31.3	31.5	31.4	32.0	32.7	33.9	36.5	37.8	37.3	34.0	30.3	28.5	26.0	25.7	26.5	31.1
2 Q	28.0	30.2	30.8	30.5	30.2	30.7	30.6	30.5	31.3	31.1	31.5	31.6	32.2	33.0	34.5	36.3	37.0	33.3	29.8	27.7	26.2	25.0	24.4	25.8	30.5
3 Q	27.7	29.6	30.0	30.5	30.7	30.2	30.6	30.4	31.0	31.5	32.2	32.2	33.2	34.4	36.3	38.1	39.1	39.0	34.2	31.6	29.7	29.3	28.1	28.8	32.0
4	29.0	29.7	30.6	30.1	30.8	30.5	30.9	30.5	31.3	30.9	31.1	31.9	31.8	35.0	38.6	38.1	37.1	34.7	33.0	27.8	26.1	26.5	26.4	27.0	31.2
5	27.6	30.8	30.7	30.7	31.1	30.5	32.6	33.0	31.7	31.4	31.1	32.1	33.0	35.7	37.2	38.4	39.5	38.8	33.8	30.0	28.6	28.4	27.3	27.4	32.1
6	28.3	30.1	30.3	30.7	30.7	31.1	30.5	30.2	30.8	28.0	30.3	31.4	32.3	34.7	36.9	38.6	40.1	38.9	34.9	29.2	26.2	24.5	23.9	25.5	31.2
7	26.2	28.9	30.4	29.4	29.6	29.6	29.5	31.2	34.2	31.7	31.6	32.6	32.0	32.5	34.9	37.0	41.2	40.4	37.6	32.2	28.4	25.8	24.5	25.2	31.5
8	26.8	29.0	32.3	31.8	31.7	32.1	37.2	35.1	36.5	35.9	30.1	30.4	32.1	33.4	35.0	37.9	39.7	38.2	32.2	26.4	23.2	21.8	23.0	25.8	31.6
9	28.6	29.7	30.1	29.8	29.7	29.7	29.7	30.2	29.7	28.6	30.8	30.8	32.7	34.9	37.0	39.4	39.5	37.6	33.0	28.6	25.6	24.2	24.0	23.7	30.7
10 D	25.8	29.7	30.5	30.1	34.1	33.7	30.2	29.6	30.1	30.5	30.5	28.1	30.7	35.1	37.6	37.7	40.0	39.3	34.5	30.5	26.6	23.0	20.9	23.5	30.9
11 D	24.1	26.4	29.0	30.5	29.6	30.1	27.3	28.2	35.7	32.1	31.9	32.2	33.3	34.7	37.9	38.8	38.3	36.4	33.2	27.3	23.8	22.9	23.0	25.8	30.5
12	27.6	29.9	33.0	30.4	30.1	30.2	30.9	31.9	33.3	30.3	29.8	29.4	31.1	32.1	34.3	35.3	37.5	36.2	32.9	28.7	26.7	26.4	26.1	25.5	30.8
13	27.5	29.8	31.5	31.3	31.2	30.9	31.2	30.8	31.3	31.4	31.4	31.7	31.8	35.1	35.6	35.9	35.0	32.2	28.7	28.4	27.6	26.5	27.0	28.5	30.9
14	29.5	30.5	32.0	32.3	32.8	36.1	34.1	33.1	34.0	32.1	32.7	32.0	32.8	34.5	37.1	38.3	39.8	38.2	35.3	31.8	29.6	27.1	25.0	26.5	32.8
15	28.5	29.9	30.4	31.5	29.9	29.9	30.9	30.8	31.3	30.9	32.0	33.2	33.7	33.8	35.5	37.5	37.2	33.5	31.1	28.9	26.6	24.7	23.3	24.7	30.8
16	26.6	28.8	30.3	29.9	30.4	31.2	31.1	30.8	31.3	31.2	30.7	28.1	30.8	34.2	37.1	39.7	40.0	38.2	34.2	31.0	27.1	25.3	23.6	22.8	31.0
17 D	23.8	27.4	30.1	33.9	32.0	31.2	29.7	29.5	28.7	28.5	23.8	29.5	34.8	34.4	37.6	39.6	41.7	42.3	36.4	32.0	28.8	27.4	27.1	25.8	31.5
18 D	26.3	27.9	30.0	29.7	29.5	30.5	31.7	33.7	33.2	31.3	30.8	32.0	29.6	32.8	35.9	40.0	40.7	39.8	37.9	31.5	25.1	20.8	21.4	23.7	31.1
19	24.8	30.3	30.4	30.4	30.2	32.5	32.9	30.2	29.4	29.9	29.9	29.5	32.0	34.4	33.6	36.9	37.3	37.0	34.2	29.8	25.7	23.6	23.9	24.9	30.6
20	27.8	29.8	30.3	29.8	33.4	33.6	31.7	33.0	30.3	27.8	26.0	27.2	31.4	34.3	35.3	38.9	40.7	39.1	34.7	30.7	26.7	23.5	22.0	24.6	30.9
21	26.2	30.6	31.3	30.7	32.0	31.4	30.5	30.3	30.9	30.2	30.3	31.6	32.7	34.0	36.1	39.6	42.5	40.5	34.4	29.3	25.5	24.3	24.2	26.4	31.5
22 Q	30.3	31.7	31.8	31.1	30.8	30.8	32.4	30.4	30.3	31.1	32.2	32.2	33.6	34.9	36.6	39.2	41.3	40.4	34.8	30.9	27.5	26.0	25.4	27.7	32.2
23 Q	28.6	29.5	29.9	30.2	30.1	29.7	30.9	30.1	30.6	30.8	31.0	32.1	34.8	34.9	36.3	38.4	40.7	41.5	36.9	27.7	24.5	23.9	23.5	25.6	31.3
24	26.7	28.6	28.5	28.9	29.8	29.3	30.3	30.7	32.1	31.8	29.7	27.1	32.8	34.8	37.3	40.4	41.7	39.3	32.9	27.2	24.9	23.3	23.5	25.0	30.7
25 D	27.9	30.0	29.6	30.3	30.2	29.2	32.4	33.7	29.0	32.7	33.1	34.2	34.6	34.5	39.3	40.2	39.9	41.6	34.3	30.1	23.9	22.9	23.5	25.7	31.8
26	28.7	29.9	30.3	30.2	30.7	31.2	31.3	32.3	33.0	31.2	30.4	30.9	31.2	34.0	35.3	38.1	39.2	36.6	34.8	31.8	28.3	26.1	25.7	24.8	31.5
27	25.4	28.1	29.7	33.2	31.5	30.8	31.2	31.5	31.7	32.8	31.3	30.6	31.6	33.0	35.3	36.8	38.3	37.0	34.1	29.9	27.3	25.7	25.3	26.8	31.2
28	27.5	29.8	30.4	30.7	30.5	30.9	30.5	30.5	30.9	31.4	30.9	30.9	31.2	32.5	35.1	38.5	39.1	38.2	33.8	29.7	26.1	24.5	23.8	25.1	30.9
29	26.5	29.4	30.6	30.1	30.5	30.6	30.9	32.0	34.1	33.2	33.0	31.9	31.5	32.0	34.8	37.6	37.4	36.8	32.7	28.1	25.8	24.6	25.9	28.3	31.2
30	29.6	30.7	30.3	30.4	30.7	32.6	32.6	34.8	32.5	30.9	31.4	31.3	32.3	30.9	35.6	37.9	40.3	39.7	34.0	30.7	27.4	25.6	24.6	25.0	31.7
31	27.0	27.9	30.4	30.9	31.3	31.4	30.5	34.3	40.1	33.5	32.5	31.9	32.9	34.9	38.2	40.2	40.4	35.8	31.1	28.6	27.6	27.2	27.7	28.8	32.3
MEAN	27.3	29.5	30.5	30.7	30.9	31.1	31.2	31.4	32.0	31.2	30.8	31.0	32.3	33.9	36.2	38.3	39.4	38.0	33.9	29.6	26.6	25.1	24.6	25.8	31.3

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 24 VICTORIA Z = 53,000 GAMMA + AUGUST 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 Q	163	167	168	165	163	161	159	158	158	156	159	158	162	162	161	164	163	155	145	139	136	141	147	153	157
2 Q	159	164	161	157	156	154	157	153	155	154	154	156	157	159	165	165	162	155	147	142	139	139	143	151	154
3 Q	157	160	160	158	158	157	156	154	154	154	154	155	154	156	160	157	151	137	129	121	122	129	140	144	149
4	153	160	158	154	154	153	155	154	155	153	154	154	149	142	141	145	149	137	126	118	117	129	134	148	146
5	167	169	170	164	162	157	161	157	158	158	153	156	160	161	161	157	152	142	139	128	134	132	140	146	154
6	152	157	159	157	158	156	156	157	157	148	139	149	154	160	160	156	149	140	139	138	140	143	146	153	151
7	157	163	168	159	158	155	156	156	151	137	144	147	154	161	168	168	164	151	142	137	131	130	140	150	152
8	157	170	174	169	167	168	164	141	147	149	148	155	159	162	163	166	165	158	154	143	129	129	136	151	155
9	157	163	157	155	153	152	154	154	156	154	151	146	153	158	160	158	153	143	131	132	133	130	132	142	149
10 D	151	160	170	169	169	158	161	158	156	157	157	149	120	134	148	149	153	147	141	139	138	142	149	154	151
11 D	167	169	171	165	162	155	160	159	162	157	155	159	159	159	159	155	146	138	127	129	139	145	149	167	155
12	175	178	177	162	158	157	156	156	152	151	146	147	151	158	155	157	153	148	143	132	126	128	136	147	152
13	154	163	166	161	157	157	156	155	154	155	156	154	149	152	154	149	149	142	136	132	132	135	140	157	151
14	166	170	175	173	172	167	166	131	145	152	136	140	153	156	161	164	157	147	136	138	132	133	142	150	153
15	156	160	160	158	158	154	154	150	154	148	145	143	145	153	156	152	148	139	130	130	131	135	149	158	149
16	164	172	167	161	159	158	157	154	151	151	151	140	138	143	147	150	148	141	136	131	139	142	147	155	150
17 D	163	168	178	180	177	172	171	164	160	150	126	130	136	153	164	164	160	151	143	140	138	142	151	164	156
18 D	171	179	174	170	166	166	170	152	147	156	158	159	161	158	158	154	155	151	138	125	126	137	145	155	155
19	172	175	170	164	163	164	157	159	160	152	155	152	153	159	157	164	162	155	145	134	131	147	153	165	157
20	165	166	166	160	163	162	153	155	158	152	149	143	151	156	160	163	159	154	150	149	149	151	154	163	156
21	163	168	165	161	164	158	159	158	153	151	150	154	156	158	161	159	151	140	132	128	136	140	150	153	153
22 Q	157	165	161	153	155	155	151	154	152	154	155	154	153	155	155	156	147	138	126	130	131	130	142	151	149
23 Q	155	158	156	151	151	150	152	150	152	152	151	139	145	154	157	156	151	146	136	133	137	137	139	146	148
24	160	169	161	158	160	158	160	158	154	152	150	135	139	151	151	151	141	129	119	120	126	135	143	148	147
25 D	153	157	152	149	151	155	168	163	159	149	148	157	152	156	154	155	149	137	127	119	124	140	154	161	150
26	166	166	163	157	157	154	155	152	154	155	150	148	150	156	157	157	153	144	132	131	139	140	145	157	152
27	162	162	163	161	159	156	155	155	155	151	145	148	153	157	159	160	156	149	143	144	143	148	155	157	154
28	158	167	159	155	153	154	153	151	152	152	151	153	152	157	157	159	153	143	138	136	138	147	154	159	152
29	165	165	160	155	154	155	152	153	148	147	148	153	153	153	154	153	148	142	137	134	132	133	138	151	149
30	154	158	153	156	154	156	158	157	150	154	155	156	154	152	152	150	146	138	128	123	128	135	145	158	149
31	161	167	157	161	158	158	150	147	130	133	145	153	149	148	152	153	149	140	138	138	145	153	158	163	150
MEAN	161	166	164	161	160	158	158	154	153	151	150	150	151	155	157	157	153	144	137	133	134	138	145	154	152

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 25 VICTORIA H = 18,500 GAMMA + SEPTEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	396	393	392	393	381	373	393	376	389	402	403	404	398	388	393	402	387	354	359	343	356	379	383	401	385
2	378	378	375	377	386	388	399	407	393	379	381	379	386	399	398	384	371	363	367	368	368	375	383	391	382
3	395	398	392	393	395	393	399	396	398	396	395	400	398	402	402	395	378	376	378	382	381	380	379	390	391
4	397	392	392	394	397	401	396	404	397	398	404	401	400	399	401	395	380	364	357	362	367	374	383	390	389
5 Q	397	394	396	399	395	398	400	407	404	403	406	406	407	406	407	396	374	360	360	361	366	372	382	395	391
6	403	406	400	396	396	404	406	407	406	405	405	407	409	414	413	409	395	383	368	361	361	373	387	400	396
7	408	404	402	404	405	406	408	405	406	406	410	412	416	421	417	397	385	384	377	375	373	381	389	395	399
8	404	404	403	405	406	407	406	406	406	406	409	405	405	400	411	405	376	368	364	352	363	367	384	391	394
9	387	399	397	379	390	397	402	398	411	407	409	406	402	399	401	388	371	354	342	352	357	375	390	391	388
10 Q	388	388	395	399	395	400	400	401	401	401	402	405	405	407	405	396	384	373	367	372	382	391	396	401	394
11 Q	406	403	404	408	409	410	410	411	410	409	404	404	408	411	406	395	384	375	375	381	388	391	399	399	400
12 Q	403	406	405	407	408	410	410	412	412	414	413	415	411	410	408	398	384	379	379	384	393	400	412	413	404
13	413	410	409	415	407	395	402	413	403	403	391	397	399	402	395	371	337	380	356	367	372	373	387	393	391
14	388	385	384	382	383	386	394	399	396	391	390	382	381	395	397	387	367	354	352	360	365	372	390	392	382
15	384	392	381	395	396	398	433	389	396	397	403	400	400	399	394	385	379	374	375	381	382	396	402	402	393
16	396	385	377	382	391	396	395	397	397	401	401	401	400	399	400	387	363	358	356	361	367	381	389	404	387
17	401	402	399	394	396	397	393	397	402	402	402	405	404	404	399	388	372	365	383	386	388	393	399	405	395
18	413	413	409	407	405	405	403	406	408	411	408	416	412	413	408	401	390	378	366	356	351	357	377	381	396
19	383	384	389	386	390	387	389	394	405	400	395	402	401	392	400	394	381	357	342	345	361	389	402	402	386
20 D	408	395	405	389	392	398	399	406	376	387	403	343	376	380	358	392	379	356	357	358	352	357	370	391	380
21 D	384	385	374	360	333	348	340	322	332	362	335	352	354	348	352	337	307	338	317	301	329	350	379	380	347
22	374	370	372	373	386	380	382	383	387	388	390	390	390	387	384	383	371	350	347	359	373	381	385	382	378
23 C	383	383	387	389	390	390	389	393	396	394	395	400	401	398	396	392	382	372	365	367	373	380	387	389	387
24	392	394	393	392	396	396	395	399	403	400	401	398	398	399	399	394	375	371	371	372	378	376	383	383	390
25	387	391	393	397	397	398	397	398	400	400	401	403	401	401	401	394	384	375	372	372	374	384	385	384	391
26	394	397	399	401	401	402	398	400	402	401	402	404	402	401	399	395	386	377	369	371	375	392	393	388	394
27	387	392	397	400	397	396	397	399	401	402	405	407	406	406	407	403	389	377	376	376	372	376	386	392	394
28 D	398	399	396	387	381	383	376	365	377	380	338	337	390	398	384	379	375	327	339	359	365	364	347	362	371
29 D	364	338	344	357	371	356	323	288	341	303	372	372	369	370	358	346	357	330	329	361	343	354	373	367	349
30 D	346	355	357	349	358	365	386	376	369	360	386	379	349	396	387	377	341	366	367	372	380	385	389	378	370
MEAN	392	391	391	390	391	392	394	392	394	394	395	394	396	398	396	389	373	365	361	364	369	377	386	391	386

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 26 VICTORIA D = 22 DEG 00.0 MIN + SEPTEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	30.5	31.9	36.4	32.8	30.1	32.3	35.9	35.8	32.0	31.5	33.0	31.4	32.7	32.2	36.3	40.2	41.1	39.5	30.2	29.3	24.4	25.0	25.1	25.8	32.3
2	27.3	29.8	30.9	31.6	31.3	31.9	32.1	27.1	32.1	31.2	32.4	32.1	30.4	35.5	38.6	39.1	37.8	34.1	31.5	29.4	29.0	27.5	28.4	29.8	31.7
3	30.3	30.4	30.6	30.3	30.4	31.3	32.4	31.0	31.2	32.5	31.8	30.4	32.9	34.5	35.3	36.7	37.7	35.2	32.1	30.8	29.6	29.0	29.4	28.9	31.9
4	28.2	29.6	29.7	31.2	33.2	30.8	30.6	28.4	31.8	31.6	31.6	32.0	30.6	31.9	35.5	36.8	36.6	34.5	30.8	27.7	26.2	26.5	27.2	28.5	30.9
5 Q	28.9	31.1	30.2	30.9	30.4	30.3	30.1	30.9	27.9	29.8	31.2	32.5	32.6	34.1	35.2	36.7	39.4	37.6	33.4	30.1	27.0	25.6	25.6	26.5	31.2
6	28.7	30.9	32.2	33.4	31.7	30.6	30.2	30.7	30.7	31.3	30.9	31.4	31.9	33.9	36.2	39.4	40.8	39.8	35.7	31.3	27.2	24.6	25.4	27.2	31.9
7	29.5	31.4	30.9	30.6	30.7	30.8	30.7	30.9	30.8	31.8	31.9	32.8	33.3	34.4	37.4	39.8	39.0	36.2	32.0	30.4	27.9	25.6	25.4	27.8	31.7
8	27.9	30.0	29.0	29.7	30.0	30.8	30.9	31.0	30.9	31.8	32.5	33.5	34.2	31.9	35.7	39.1	38.8	36.6	33.2	28.9	24.3	23.5	24.2	25.1	31.0
9	28.4	28.6	28.5	33.0	30.7	31.1	30.8	32.0	32.1	31.5	32.8	33.3	33.7	35.7	36.7	39.0	39.8	37.7	34.5	30.8	27.4	24.3	24.4	24.9	31.7
10 Q	25.7	26.2	28.9	29.4	28.6	30.8	30.5	30.8	31.1	31.5	31.1	31.7	32.4	33.5	35.1	37.3	38.0	36.5	32.6	29.5	27.5	27.2	27.8	28.7	30.9
11 Q	29.0	29.8	29.4	29.7	29.6	30.3	30.1	30.8	30.8	31.7	32.0	33.3	33.1	33.7	35.2	37.3	36.7	35.8	30.9	28.8	27.0	26.8	27.7	29.0	31.2
12 Q	29.1	29.8	29.6	30.0	30.8	31.0	30.6	31.4	30.9	31.4	31.5	32.2	33.1	34.3	35.1	35.8	36.2	33.8	31.0	28.5	26.7	27.2	27.5	28.6	31.1
13	28.2	29.0	29.0	29.5	27.8	29.4	27.5	29.3	32.1	39.0	37.5	35.8	36.2	36.8	37.4	35.3	24.5	20.9	27.1	25.2	24.7	24.6	27.1	30.3	30.2
14	31.3	31.2	30.9	30.6	31.0	30.6	35.5	30.9	31.3	32.7	30.2	34.7	31.3	36.7	41.2	40.0	38.4	34.5	31.3	29.3	28.4	28.4	29.7	29.9	32.5
15	32.5	31.3	31.6	33.3	29.6	35.5	31.7	32.2	28.9	31.5	32.0	33.6	33.9	34.7	36.5	38.0	36.5	33.7	30.7	28.8	27.4	27.3	28.5	29.2	32.0
16	28.4	29.2	30.4	30.2	31.3	32.4	29.9	30.6	30.6	31.5	31.7	32.6	31.2	35.3	38.1	39.5	38.8	36.4	33.7	30.8	29.5	29.4	28.7	29.0	32.0
17	29.8	30.1	29.1	30.5	30.4	30.5	30.9	31.5	31.1	32.2	32.3	32.9	33.6	34.2	35.8	37.8	37.1	33.1	29.2	28.6	28.0	28.2	28.6	29.9	31.5
18	29.5	30.0	29.9	30.6	30.4	30.7	30.5	31.0	31.2	31.5	31.6	34.8	37.2	37.2	38.1	38.8	38.8	37.5	33.8	30.1	25.9	23.8	23.2	24.4	31.7
19	26.1	31.1	29.8	30.2	30.1	30.9	32.4	30.1	31.7	31.2	31.5	33.0	32.2	30.8	36.3	39.7	37.8	36.6	32.3	27.3	24.6	21.8	24.6	27.0	30.8
20 D	28.9	29.3	29.0	26.9	29.2	29.8	30.3	41.9	27.6	37.6	39.1	33.6	38.4	34.1	31.5	32.6	32.1	35.0	34.0	30.4	29.2	25.0	27.5	24.5	31.6
21 D	27.5	29.2	38.2	43.9	36.4	30.1	35.6	41.5	34.2	30.1	42.7	36.7	37.4	33.4	33.4	35.3	35.3	37.0	36.0	30.2	27.8	26.4	27.9	26.5	33.9
22	29.5	31.3	29.6	29.8	32.1	29.6	30.8	30.7	30.9	31.3	31.6	31.7	31.9	33.1	34.6	36.8	38.2	37.3	33.8	30.1	29.4	29.1	29.7	30.5	31.8
23 Q	29.7	30.6	30.0	30.2	30.6	30.8	30.7	30.9	31.8	31.8	31.1	30.2	31.9	32.7	33.8	36.7	37.6	36.3	33.4	30.4	28.2	28.2	28.8	30.3	31.5
24	30.5	30.6	30.2	30.5	30.8	30.8	30.8	30.7	31.2	33.9	33.8	33.6	31.6	34.0	35.1	36.3	37.0	36.6	32.7	30.5	28.8	27.1	26.5	27.4	31.7
25	28.7	29.9	30.6	30.5	31.0	30.9	31.3	31.8	31.2	30.9	31.0	31.3	31.7	32.7	33.9	36.2	38.2	37.7	35.1	33.2	28.5	26.1	25.4	26.9	31.4
26	28.1	29.1	29.6	30.6	30.7	30.8	30.2	31.4	31.6	31.5	31.6	31.7	32.3	33.1	34.5	36.9	37.7	37.4	36.6	33.5	28.5	26.4	26.9	26.9	31.6
27	27.5	29.5	29.9	30.5	30.3	30.7	30.6	30.5	30.8	30.9	31.3	31.6	31.8	31.7	31.7	36.2	37.6	34.9	33.4	31.0	29.4	28.7	28.0	27.0	31.1
28 D	27.6	28.3	28.3	28.2	27.6	27.2	31.6	34.8	35.9	35.9	44.8	49.3	40.4	37.3	34.0	33.3	32.4	33.3	26.9	27.8	27.2	28.0	26.9	27.1	32.3
29 D	26.3	29.5	27.3	35.2	33.7	35.0	35.8	36.2	40.9	26.6	35.1	32.6	31.7	33.5	32.5	26.3	27.1	26.2	20.0	23.3	29.2	29.3	30.3	32.2	30.7
30 D	33.5	35.6	34.2	34.7	33.0	33.4	28.7	30.9	34.0	25.1	29.1	35.3	27.7	28.7	34.8	34.3	33.6	32.1	28.4	30.1	30.8	30.6	31.0	31.5	31.7
MEAN	28.9	30.1	30.5	31.3	30.8	31.0	31.3	31.9	31.6	31.8	33.0	33.4	33.1	33.9	35.5	36.9	36.7	35.1	31.9	29.5	27.7	26.7	27.2	28.0	31.6

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 27 VICTORIA — Z = 53,000 GAMMA + — SEPTEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	163	162	170	168	172	175	158	138	160	160	157	160	157	149	124	143	149	143	142	146	154	158	162	176	156
2	174	174	168	169	165	165	162	130	137	136	111	110	116	145	159	154	149	148	149	153	156	161	160	160	150
3	160	162	157	158	155	158	156	153	155	155	152	147	147	151	153	154	149	144	140	143	145	148	148	153	152
4	152	153	154	158	156	156	155	146	147	151	153	152	150	144	146	150	148	139	132	138	140	143	150	156	149
5 Q	158	155	154	153	153	153	155	150	145	143	146	149	148	150	154	153	152	144	136	136	137	140	147	152	148
6	153	158	153	156	154	155	154	152	151	153	150	150	148	152	153	155	151	142	133	134	137	145	152	158	150
7	156	155	147	150	149	151	150	151	150	153	150	153	151	152	153	154	139	136	131	134	137	139	145	150	147
8	150	154	149	147	149	150	149	151	152	152	153	150	149	139	140	145	138	128	125	131	137	143	150	157	145
9	151	160	158	166	163	158	155	154	149	144	138	127	129	133	144	149	145	135	129	136	138	147	156	159	147
10 Q	160	160	161	159	155	157	154	153	154	152	152	153	152	153	151	150	146	142	139	137	140	146	148	152	151
11 Q	149	147	148	148	147	147	146	146	145	148	148	149	150	149	151	154	150	145	138	141	145	146	148	150	147
12 Q	148	148	147	147	146	147	146	150	148	148	146	148	145	146	149	149	147	142	138	138	141	145	143	143	146
13	141	144	144	150	153	165	174	161	156	153	144	139	142	149	151	139	112	98	106	124	138	146	155	164	144
14	157	157	153	155	156	159	157	153	155	155	144	139	125	112	118	130	138	137	139	142	142	150	158	161	146
15	160	163	160	162	158	159	135	122	135	147	151	152	151	151	153	154	149	141	137	140	145	156	159	159	150
16	158	163	168	165	161	157	155	155	155	153	152	150	145	146	149	148	141	141	138	141	145	153	152	155	152
17	148	151	150	151	150	152	151	156	153	155	154	154	153	154	151	151	147	140	137	138	142	147	149	149	149
18	149	148	148	150	149	149	149	151	150	150	149	144	142	145	150	151	147	142	132	130	138	145	154	161	147
19	166	177	171	164	164	165	164	159	157	150	155	154	151	136	141	150	146	142	137	134	133	145	149	149	152
20 D	153	150	152	156	161	159	157	149	120	133	134	86	94	109	91	98	107	112	120	127	130	144	159	173	132
21 D	155	221	280	221	245	158	124	127	115	112	125	127	114	111	119	145	135	165	159	167	186	196	199	204	165
22	190	180	173	169	170	166	163	162	165	160	163	162	159	160	161	163	162	158	153	148	150	158	163	168	164
23 Q	161	161	157	157	158	157	159	158	155	157	157	155	152	154	156	159	156	149	146	145	147	154	159	160	155
24	157	159	157	156	156	154	157	156	157	153	149	149	145	147	147	148	144	146	137	138	140	147	153	154	150
25	155	159	158	158	155	155	156	152	155	154	154	155	153	153	155	157	157	148	139	130	129	134	141	145	150
26	148	153	153	155	154	151	154	154	154	151	156	153	152	152	155	158	154	151	144	137	140	145	153	153	151
27	149	155	156	156	157	155	155	156	154	155	153	155	153	152	147	151	150	148	143	142	140	140	138	141	150
28 D	146	150	152	152	160	175	146	177	167	151	110	73	139	149	142	149	144	143	151	157	160	158	171	177	150
29 D	188	206	222	218	186	169	152	127	136	23	127	136	140	146	133	108	102	117	117	139	155	170	177	188	149
30 D	186	205	206	207	195	191	152	158	162	139	110	100	64	89	110	136	140	158	161	160	162	163	166	164	154
MEAN	160	163	164	163	162	159	153	150	150	145	145	141	141	143	144	147	143	141	138	140	144	150	155	160	150

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 28 VICTORIA H = 18,500 GAMMA + OCTOBER 1967

HOUR =		00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																										
1		372	369	378	381	388	386	385	394	390	385	393	396	397	398	397	387	378	369	374	381	394	398	398	392	387
2		386	393	394	395	398	400	400	402	4CE	4C7	403	408	408	401	398	392	382	375	369	367	375	383	390	391	393
3		397	4CC	4C6	4C1	404	4CC	395	407	403	407	411	412	414	411	405	402	390	376	368	368	37C	389	400	399	397
4		389	390	398	400	399	400	399	403	402	406	406	406	404	405	402	398	385	368	362	365	379	389	390	402	394
5		391	398	402	4C1	4CC	398	403	4C0	398	398	405	406	409	406	403	391	377	370	370	374	376	381	390	387	393
6		402	400	398	393	391	400	404	405	404	407	410	412	413	406	411	399	384	373	366	366	372	385	395	397	396
7		405	400	396	4C7	41C	408	410	412	4C7	4C8	398	399	411	414	411	413	400	383	374	372	377	383	397	397	400
8		4C3	4C5	4C7	412	414	413	419	417	420	419	417	418	423	419	425	429	409	396	383	375	383	393	394	403	408
9	D	404	401	400	411	412	410	411	409	413	420	4C1	409	413	411	409	404	397	386	360	361	366	369	363	357	396
10	D	354	357	352	376	386	382	392	387	386	392	395	390	370	388	368	388	379	364	367	369	370	362	364	386	376
11		386	391	394	396	390	391	392	393	397	396	398	398	398	395	378	363	392	385	376	369	383	387	389	392	389
12	D	386	373	370	383	381	376	382	398	4C1	398	399	399	399	401	397	385	376	379	378	377	381	383	390	390	387
13		364	367	381	391	395	393	394	395	398	400	400	402	400	392	399	395	389	381	376	374	372	373	368	377	387
14		389	398	402	403	404	398	399	410	403	398	401	402	404	401	393	392	394	390	384	374	356	369	379	386	393
15		392	369	389	4CC	4C2	4C3	405	406	408	407	409	412	412	412	411	407	399	392	382	378	377	384	389	392	397
16		394	393	399	401	403	403	408	403	406	405	406	405	406	406	404	395	382	369	361	365	371	379	388	391	393
17		395	4C2	4C5	4CC	396	394	387	391	40C	393	389	399	406	408	401	401	396	382	374	367	384	389	392	392	393
18		402	4C3	4C3	4C5	4C4	402	394	405	400	399	402	401	406	405	405	403	392	379	371	371	373	380	378	390	395
19		394	396	402	403	403	407	406	407	406	407	4C9	409	411	409	408	399	395	385	374	369	367	375	385	390	397
20	Q	403	4C6	4C8	411	412	414	415	414	409	411	414	415	414	413	411	407	396	380	366	371	378	386	394	396	402
21	Q	4CC	403	407	405	405	405	404	406	405	407	411	414	412	413	408	402	391	382	373	369	374	382	394	401	399
22		407	411	413	413	412	412	411	412	414	416	416	421	422	422	418	414	399	387	373	369	377	389	394	405	405
23		4C5	413	4C5	417	4C7	406	407	422	405	404	411	412	408	418	416	413	402	391	380	372	377	383	387	398	402
24	Q	4CC	410	412	413	413	408	406	406	401	399	401	406	406	402	407	402	397	383	366	360	362	370	381	391	396
25	Q	399	4C6	4C7	4C8	4C7	4C4	402	405	404	404	410	407	410	410	410	405	398	386	372	363	354	364	374	385	395
26	Q	394	400	400	402	403	403	402	405	407	410	412	409	413	414	413	410	402	384	369	363	370	381	396	408	399
27		413	416	419	421	41E	417	415	413	4C5	4C4	410	415	418	420	424	420	406	394	383	364	358	368	381	387	404
28	D	39C	386	393	395	396	396	391	383	38C	381	382	393	388	394	396	406	405	406	392	387	383	361	396	400	391
29	D	4CC	4C3	4C3	399	403	405	404	407	399	404	404	390	403	411	408	400	393	387	385	374	375	382	386	391	397
30		399	389	37E	36E	38E	388	378	395	389	394	392	393	392	388	389	385	384	379	372	368	366	372	378	386	384
31		395	399	402	402	401	401	400	401	402	402	405	410	411	414	414	399	395	392	391	388	385	389	391	394	399
MEAN		394	395	397	400	401	401	401	404	402	403	404	405	406	407	404	400	392	382	374	371	374	380	387	392	395

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 29 VICTORIA D = 22 DEG 00.0 MIN + OCTOBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	32.9	31.5	35.0	31.3	30.9	31.5	30.7	27.6	32.8	29.4	29.7	36.3	36.1	35.5	34.8	35.8	37.1	37.0	33.0	30.2	29.1	29.8	30.7	31.1	32.5
2	30.5	30.6	30.6	31.1	31.1	30.5	30.7	30.5	31.5	31.4	32.7	32.1	32.9	32.0	31.6	33.9	33.7	34.0	31.8	28.6	26.9	28.7	30.1	31.1	31.2
3	31.0	30.6	30.3	30.8	30.3	30.5	32.5	31.0	30.6	31.4	31.8	32.5	33.9	31.8	34.5	36.4	38.0	37.5	34.8	32.4	28.9	26.2	26.6	28.2	31.8
4	29.2	29.6	29.8	30.8	31.0	30.6	30.8	30.7	30.6	31.2	32.0	31.6	31.5	33.2	33.1	36.4	37.5	36.1	33.4	29.9	27.8	27.1	28.4	27.3	31.2
5	29.1	30.0	29.7	29.8	30.3	29.5	30.4	30.3	34.2	33.0	31.8	30.7	32.7	31.6	34.2	35.8	35.5	33.5	30.0	27.8	27.7	27.3	28.0	26.9	30.8
6	29.3	30.2	30.1	31.8	34.1	30.9	30.8	30.4	31.0	30.9	31.0	30.5	32.9	31.9	34.6	36.7	37.6	36.1	32.7	29.3	28.2	27.1	27.6	27.8	31.4
7	28.3	29.1	27.9	30.6	30.9	30.9	30.8	30.6	31.1	36.6	34.7	34.9	33.6	33.8	34.5	36.6	37.2	36.5	34.2	32.1	29.5	28.4	27.8	28.5	32.0
8	29.6	30.8	30.6	30.8	31.0	31.0	30.7	30.8	31.2	31.8	31.6	32.1	33.1	32.1	33.4	36.0	36.1	34.4	34.0	30.5	27.7	26.7	27.4	27.4	31.3
9 D	27.6	27.3	29.6	28.8	29.3	29.8	30.1	30.7	30.7	33.9	36.2	34.7	31.8	31.4	33.1	34.2	35.6	32.7	28.4	25.9	26.4	26.7	25.7	27.0	30.3
10 D	28.1	23.2	26.2	34.9	33.7	31.7	32.9	34.3	34.6	33.5	33.3	31.4	31.8	27.2	26.2	30.7	29.8	32.7	31.5	31.4	30.4	30.4	29.0	27.7	30.7
11	29.0	29.2	30.3	30.1	30.5	30.9	31.7	31.2	31.9	31.0	32.5	33.2	34.4	32.7	32.5	27.2	34.1	34.9	34.0	31.8	29.8	28.8	30.1	28.5	31.3
12 D	27.5	29.7	32.4	29.8	31.5	34.2	34.7	29.8	30.6	30.1	32.3	31.8	31.9	31.8	32.9	35.3	32.4	31.3	32.8	30.8	28.8	28.4	28.1	26.6	31.1
13	27.0	27.5	27.0	30.2	30.8	30.7	31.0	31.2	31.2	31.2	31.7	30.8	30.6	29.3	31.4	34.1	36.0	35.6	33.3	32.7	31.2	29.6	29.6	28.7	30.9
14	28.7	28.8	29.6	29.8	30.3	30.1	31.8	31.6	29.6	32.5	32.6	33.5	32.2	33.0	33.3	33.2	35.4	35.0	34.4	32.2	30.4	26.4	27.9	27.3	31.2
15	25.5	29.8	29.2	30.1	31.1	30.6	30.9	31.3	31.1	31.3	31.5	31.3	31.6	32.1	33.6	35.3	37.0	36.5	33.8	31.3	29.6	29.1	29.5	28.7	31.3
16	28.8	28.3	29.7	30.5	30.6	30.7	30.8	30.6	31.1	31.1	31.5	31.4	31.7	31.0	32.8	35.7	37.3	35.8	33.2	28.9	27.1	26.7	28.2	28.6	30.9
17	29.5	29.5	29.8	30.9	30.4	31.3	30.8	32.8	32.7	33.6	33.4	33.0	33.5	33.5	32.3	34.1	36.8	35.3	34.2	29.6	25.7	25.9	28.4	28.8	31.5
18	29.1	29.5	30.0	30.3	30.5	31.0	31.9	34.6	33.1	31.6	32.3	31.3	31.2	32.2	33.7	35.3	36.8	35.9	33.5	30.6	29.0	27.8	28.1	28.4	31.6
19	29.3	29.9	30.4	29.8	31.8	29.9	30.3	30.1	30.4	30.5	29.9	31.2	31.9	32.4	33.8	34.5	36.1	36.3	35.0	31.2	29.8	28.9	28.5	28.8	31.3
20 Q	28.5	28.4	29.3	29.8	30.4	30.5	30.3	30.3	30.1	30.9	31.0	31.0	32.1	32.2	33.4	35.9	37.8	37.5	34.5	31.1	29.1	28.8	28.7	29.4	31.3
21 Q	29.8	29.6	30.6	30.9	31.0	31.1	30.8	30.9	30.6	30.7	31.2	30.6	31.3	31.8	32.9	35.2	36.8	35.7	33.3	30.3	29.2	28.5	28.6	28.7	31.3
22	28.8	29.1	29.5	30.1	30.3	30.7	30.9	30.4	30.5	30.7	30.7	31.4	31.3	31.9	33.6	35.9	38.3	37.2	34.7	29.8	26.6	26.2	27.7	27.9	31.0
23	27.5	27.2	29.2	30.9	29.1	30.9	31.8	36.7	32.7	31.4	31.0	31.2	27.8	30.0	32.8	35.0	36.3	35.3	31.9	29.1	28.6	27.7	28.1	28.4	30.9
24 Q	28.3	29.6	29.9	29.9	31.0	31.0	31.1	32.3	32.7	34.0	34.7	33.2	32.7	29.8	31.5	34.4	36.2	36.5	35.0	32.2	30.0	29.3	29.7	29.7	31.9
25 Q	29.6	29.5	29.8	29.9	30.8	31.1	31.3	31.4	31.7	31.4	30.9	30.9	31.0	31.6	31.8	34.3	36.8	37.9	37.1	35.1	32.3	30.5	28.7	29.0	31.8
26 Q	28.3	29.2	30.0	30.6	31.3	30.9	31.2	30.7	30.7	31.0	30.4	31.1	30.9	31.4	32.3	34.6	37.6	38.5	37.1	33.7	30.9	28.9	27.8	25.3	31.4
27	28.2	28.4	29.0	29.4	30.2	30.4	30.3	30.4	33.7	35.5	32.7	31.7	32.3	28.6	30.6	33.3	34.3	31.1	33.9	30.6	29.5	29.5	30.1	29.2	31.0
28 D	28.8	30.0	30.1	30.4	32.6	32.7	33.4	33.9	34.1	32.6	37.5	39.5	40.6	36.4	30.9	32.4	34.1	36.6	34.7	32.2	30.1	29.3	29.5	29.1	33.0
29 D	28.6	28.4	27.7	30.5	30.6	30.4	30.5	30.5	31.3	31.9	31.5	31.4	37.5	32.5	36.6	32.7	37.9	36.5	33.3	31.0	29.8	29.3	30.2	30.8	31.7
30	30.4	30.2	29.9	31.6	33.3	34.8	33.9	33.1	28.8	30.1	30.9	31.7	32.6	30.9	32.4	34.5	35.6	35.7	34.4	32.1	30.7	30.5	30.7	30.9	32.1
31	29.9	30.4	31.1	30.7	30.6	30.8	30.8	30.5	30.7	31.2	31.0	31.4	31.6	32.5	32.8	34.3	35.6	35.6	32.9	30.7	28.7	28.9	29.5	30.0	31.3
MEAN	28.9	29.2	29.8	30.5	31.0	31.0	31.3	31.3	31.5	31.9	32.1	32.2	32.6	31.9	32.8	34.5	36.0	35.5	33.6	30.8	29.0	28.3	28.7	28.6	31.4

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 30 VICTORIA — Z = 53,000 GAMMA + — OCTOBER 1967

HOUR =		00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																										
1		162	170	175	171	166	164	164	149	152	146	132	138	141	150	158	158	153	150	143	135	141	148	148	150	153
2		146	153	156	157	157	156	157	156	156	147	150	153	152	152	149	151	152	146	143	140	148	153	156	155	152
3		155	157	158	157	159	157	160	160	155	160	158	156	156	151	147	153	152	151	147	146	151	157	161	158	155
4		149	150	153	154	155	155	156	160	155	154	157	152	152	153	155	159	162	156	149	148	151	152	153	155	154
5		147	152	154	156	156	158	161	160	161	155	157	153	153	151	153	162	157	155	152	151	147	153	155	162	155
6		157	156	155	158	159	161	159	158	158	158	155	150	143	144	149	159	159	156	154	153	154	157	156	146	155
7		154	154	148	156	154	153	155	153	152	147	143	144	150	148	152	155	154	151	144	147	149	152	154	157	151
8		153	154	153	154	154	152	151	153	154	151	151	150	150	138	127	137	135	137	134	129	133	137	145	151	145
9	D	148	149	150	155	150	149	149	150	150	138	134	145	146	148	148	148	146	146	137	133	147	160	158	178	148
10	D	191	200	211	211	180	165	164	162	161	169	160	131	82	88	84	113	115	120	134	140	145	155	155	157	150
11		150	151	152	152	152	152	155	154	154	151	151	145	144	144	137	124	140	141	141	136	144	141	140	143	146
12	D	140	150	158	165	164	161	159	148	147	130	141	144	148	145	148	147	146	139	135	130	132	137	141	145	146
13		152	161	164	161	158	150	152	149	149	147	146	145	143	137	140	145	146	142	134	134	137	137	138	144	146
14		146	148	150	147	149	148	149	141	132	134	140	141	143	141	140	143	141	135	133	125	124	129	138	139	140
15		143	149	158	154	152	149	147	145	147	142	143	142	142	142	146	145	149	140	135	132	133	135	139	142	144
16		140	144	144	147	146	148	147	146	146	144	142	142	142	143	144	146	144	139	131	126	124	125	131	134	140
17		139	142	142	143	146	147	142	141	140	132	134	139	147	143	144	147	145	138	131	126	134	136	138	138	140
18		137	143	147	145	149	146	149	147	142	141	135	137	142	144	145	152	150	145	140	136	136	138	139	142	143
19		142	144	147	147	146	146	147	145	144	144	143	142	141	143	145	146	150	148	137	136	138	141	140	143	144
20	Q	140	144	143	144	145	143	142	143	141	142	143	141	140	141	142	147	148	147	140	140	141	142	144	140	143
21	Q	140	140	141	141	141	142	143	141	144	141	143	141	139	141	143	145	145	141	135	132	134	135	139	140	140
22		138	140	140	139	140	140	140	140	139	140	140	139	139	136	139	144	143	140	130	127	130	133	137	138	138
23		150	127	117	114	128	146	145	141	138	142	145	145	138	136	142	146	149	143	138	133	135	138	144	144	139
24	Q	149	152	151	150	150	146	147	153	145	145	142	145	142	144	138	146	150	147	141	140	141	145	153	156	147
25	Q	151	152	149	147	147	145	147	145	146	145	144	142	145	146	147	154	158	158	154	148	146	153	153	156	149
26	Q	151	154	152	150	151	149	148	148	146	146	146	145	145	146	147	150	155	155	146	141	141	141	141	145	147
27		141	142	142	139	139	139	138	138	134	125	137	141	139	131	126	130	138	137	132	128	139	143	149	149	137
28	D	146	147	146	148	149	149	149	146	141	118	80	68	94	120	130	136	134	137	132	133	133	136	149	145	132
29	D	141	144	148	147	147	146	143	142	141	142	132	106	100	82	108	119	131	136	131	131	133	137	139	142	132
30		139	142	144	147	151	152	152	150	129	135	141	142	143	143	143	150	151	152	146	144	144	148	147	149	145
31		148	146	148	146	147	145	146	144	144	144	143	143	143	142	145	144	146	143	137	132	131	137	137	141	143
MEAN		148	150	151	152	151	150	150	149	147	144	142	140	139	139	141	145	147	144	139	137	139	143	146	148	145

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 31 VICTORIA — H = 18,500 GAMMA + — NOVEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	398	406	410	409	410	412	410	412	413	411	411	415	413	410	412	409	405	400	390	381	380	389	394	397	404
2	406	407	406	405	405	402	397	407	408	400	400	409	406	411	410	409	400	381	364	354	354	359	367	382	394
3 D	386	388	403	409	413	416	413	415	421	427	417	425	433	434	433	433	423	381	388	394	378	380	402	408	409
4	429	391	385	395	402	409	412	418	417	420	421	429	428	443	408	404	403	403	400	397	401	409	409	408	410
5	408	419	423	420	420	414	407	404	411	425	419	425	427	430	432	419	411	407	395	390	393	396	402	405	413
6	419	428	425	426	426	434	425	428	435	433	435	435	435	438	436	434	436	431	422	415	415	417	418	410	427
7 Q	406	417	415	415	411	413	411	408	412	410	413	411	411	414	410	410	405	403	393	385	382	388	394	398	406
8 D	415	393	385	398	404	406	407	401	407	408	410	409	409	412	414	419	408	405	393	350	340	352	378	385	396
9	390	396	397	397	397	399	399	397	399	398	397	396	399	384	400	404	399	389	374	382	383	388	392	398	394
10	399	403	401	402	403	403	403	401	402	401	402	403	400	403	406	404	404	403	393	386	380	386	397	401	399
11	401	406	407	409	410	408	406	408	409	409	411	407	408	407	413	418	414	412	404	396	370	343	375	392	402
12 D	393	388	385	389	390	388	399	391	391	388	397	400	400	402	405	403	393	384	358	326	344	376	381	392	386
13 D	397	405	387	376	396	398	398	395	397	397	395	391	399	400	398	395	390	373	360	359	374	377	371	380	388
14	391	395	410	408	403	394	404	399	399	401	406	406	411	409	409	403	394	384	389	382	381	383	392	400	398
15	405	408	407	404	402	404	403	398	402	403	403	403	401	398	402	401	378	353	381	380	383	386	385	381	395
16	396	403	404	395	402	400	397	401	399	402	405	408	406	404	407	406	396	391	382	375	374	380	387	394	396
17 Q	402	407	408	408	407	406	405	406	404	407	407	409	410	408	406	402	397	389	377	368	370	376	386	392	398
18 Q	402	408	408	408	407	406	408	407	409	410	408	409	412	414	411	410	404	394	385	384	383	389	395	399	403
19 Q	403	407	404	406	401	402	405	405	404	410	410	413	414	413	411	409	401	393	385	378	372	378	391	399	401
20 Q	407	408	410	411	408	409	409	410	411	412	412	415	413	413	412	407	400	389	376	372	366	378	393	394	401
21	405	409	407	411	407	406	404	405	406	408	410	412	413	416	420	415	420	403	394	385	387	386	384	395	405
22	405	414	403	397	386	387	387	392	379	379	394	398	385	396	407	404	396	389	383	374	377	381	389	391	392
23	400	408	406	406	405	403	404	402	400	403	394	404	406	406	401	406	401	394	381	374	371	378	386	381	397
24 D	379	383	383	391	391	382	360	372	381	386	387	388	387	390	398	401	387	368	362	362	358	354	367	367	379
25	368	381	382	384	387	390	392	395	395	394	391	401	403	390	407	405	407	402	388	370	352	362	373	383	388
26	371	381	389	391	395	392	393	392	391	401	393	395	400	396	394	404	402	403	397	385	374	374	379	381	391
27	384	396	394	384	381	383	382	388	397	399	398	407	403	404	406	412	406	398	379	376	368	362	364	366	389
28	371	374	361	359	358	362	357	369	379	386	377	381	381	391	391	395	399	385	369	360	357	366	373	372	374
29	375	390	389	387	384	396	396	396	381	398	383	393	387	399	400	398	394	384	378	374	376	378	383	391	388
30	396	401	395	399	394	390	379	376	378	385	389	393	403	404	412	407	408	403	389	357	345	361	364	364	387
MEAN	397	401	400	400	400	400	399	400	401	404	403	406	407	408	409	408	403	393	384	376	373	378	386	390	397

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 32 VICTORIA D = 22 DEG 00.0 MIN + NOVEMBER 1967

HOUR =		CC TO 01	C1 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																										
1		29.1	29.7	30.1	30.3	30.6	30.5	30.4	30.4	30.6	31.0	31.6	31.6	31.5	32.2	32.7	33.8	35.1	36.0	33.0	31.5	29.8	28.3	27.7	27.3	31.0
2		27.5	28.0	28.2	29.1	30.2	30.0	31.3	31.1	33.7	34.7	33.1	33.9	33.5	33.6	34.2	35.7	37.0	35.4	32.0	30.0	29.0	29.8	27.3	26.7	31.5
3	D	27.3	28.9	29.4	31.0	31.2	31.0	30.8	31.5	31.3	33.7	34.8	34.0	32.2	33.3	30.2	31.7	35.9	26.6	21.5	25.6	29.4	27.3	28.4	29.8	30.3
4		29.5	31.0	31.9	32.1	31.0	31.5	31.4	30.6	31.0	30.0	28.1	30.6	29.7	31.0	32.3	34.8	35.8	35.7	33.8	32.0	30.4	29.2	30.2	29.8	31.4
5		29.2	29.8	30.4	31.0	30.3	30.6	34.2	30.5	31.4	30.9	32.9	29.9	29.6	31.4	32.3	32.5	30.0	32.0	31.5	30.5	28.8	28.2	28.4	29.1	30.6
6		29.5	30.4	30.9	30.9	30.8	30.9	30.7	31.0	29.0	28.3	29.5	31.3	31.3	32.2	32.2	32.8	33.8	35.0	33.9	32.2	30.7	29.7	29.5	27.9	31.0
7	Q	28.5	29.8	29.9	31.1	31.8	32.0	31.6	30.7	30.1	30.3	30.9	31.8	30.7	31.9	32.3	34.5	34.6	35.0	34.1	32.1	31.4	30.1	29.4	29.6	31.4
8	D	26.9	28.2	30.8	28.4	31.4	31.0	30.7	31.8	31.1	31.6	32.2	31.9	32.0	32.5	32.3	31.6	34.5	35.0	35.6	33.4	28.5	27.9	27.1	28.0	31.0
9		29.3	30.5	31.0	31.4	31.7	31.2	31.3	31.4	31.4	32.0	32.6	28.3	31.1	29.7	29.0	35.6	33.6	34.5	32.8	31.2	30.4	29.7	29.2	29.9	31.2
10		29.1	30.2	30.8	30.7	31.3	31.1	31.3	31.1	31.4	31.3	31.7	32.0	31.3	30.4	32.2	33.0	34.2	35.3	34.3	31.8	30.5	29.2	28.2	28.7	31.3
11		28.0	30.1	29.7	30.0	30.8	30.7	30.4	31.0	30.8	30.7	30.7	31.4	31.4	31.4	31.8	33.1	35.5	35.7	34.6	33.8	31.6	25.8	24.3	26.8	30.8
12	D	27.6	30.1	30.8	31.4	31.1	36.9	30.2	32.4	32.3	31.4	32.2	31.3	29.6	31.2	32.3	32.6	32.1	32.8	30.8	28.8	27.1	25.3	27.9	29.3	30.7
13	D	29.5	30.5	29.2	32.6	31.2	31.1	31.4	32.3	30.5	30.7	30.0	30.9	31.0	31.8	31.6	33.3	33.5	34.8	32.7	31.2	29.7	28.7	29.2	29.2	31.1
14		29.1	32.2	30.8	30.9	31.3	32.6	36.8	31.7	30.4	30.1	30.4	27.3	29.8	31.8	31.9	32.3	33.0	33.2	30.9	29.6	29.0	28.4	29.2	28.5	30.9
15		28.8	30.2	30.1	30.7	30.7	31.4	31.8	30.1	29.4	29.8	30.5	30.5	30.1	28.0	30.1	33.1	33.7	30.9	26.3	27.0	28.3	28.3	27.3	28.3	29.8
16		28.0	30.5	30.8	32.2	36.2	31.5	30.7	31.0	30.1	31.1	30.9	31.3	31.7	31.1	31.8	33.9	34.5	35.2	33.7	31.7	30.3	29.0	27.9	28.2	31.4
17	Q	29.4	30.5	30.8	31.1	31.0	31.2	30.7	30.9	30.5	31.1	30.8	31.3	31.1	31.5	31.9	33.3	35.4	36.2	34.8	32.8	30.7	29.4	28.9	28.4	31.4
18	Q	28.6	30.2	30.6	31.0	30.8	30.9	30.8	30.2	30.5	30.2	30.8	30.3	30.7	31.4	31.5	33.1	34.1	35.2	34.2	31.4	29.5	29.1	28.9	28.8	30.9
19	Q	28.5	30.0	30.5	30.5	30.6	31.9	30.5	30.6	30.0	30.1	30.1	30.1	30.6	31.4	31.4	33.3	35.2	34.3	33.1	31.4	29.6	28.8	28.3	28.2	30.8
20	Q	28.3	29.7	29.9	30.4	30.7	31.2	30.8	30.5	30.3	30.5	30.4	30.9	31.0	31.3	31.4	32.9	35.6	36.7	36.8	35.0	32.3	30.5	29.5	29.4	31.5
21		28.5	29.4	30.1	31.0	30.8	30.6	30.5	29.8	29.7	29.7	29.9	30.0	30.6	30.4	31.4	32.3	33.5	34.2	33.8	32.4	29.2	28.5	27.1	27.8	30.5
22		28.4	30.0	30.5	30.4	31.0	31.1	31.8	38.9	37.8	35.1	34.9	33.4	29.6	28.3	32.2	34.3	35.2	36.1	34.3	32.7	29.9	29.1	28.6	29.2	32.2
23		28.8	30.1	30.5	31.2	31.2	30.9	30.7	30.4	31.4	31.3	31.9	30.5	31.8	33.4	32.0	32.3	34.3	34.6	34.0	32.1	30.2	29.1	28.8	27.9	31.2
24	C	26.6	32.4	31.4	31.2	30.8	35.5	36.5	33.8	32.5	32.3	30.5	30.7	31.4	29.6	30.0	32.2	33.2	32.5	29.2	27.6	29.4	27.9	26.9	27.4	30.9
25		30.1	29.8	30.7	31.5	31.2	31.6	31.4	30.9	30.6	31.1	30.1	27.9	31.7	31.5	27.9	28.5	28.2	30.4	30.4	29.3	27.5	26.3	27.2	29.1	29.8
26		27.4	30.4	30.9	31.3	31.5	31.5	31.2	31.1	31.0	30.0	30.9	30.7	31.2	31.0	26.8	31.9	33.4	33.0	31.2	31.8	30.8	30.6	30.1	28.1	30.7
27		29.7	30.5	29.9	30.5	33.5	32.1	34.0	32.5	32.8	31.8	30.7	29.9	31.8	31.0	31.7	32.3	32.9	33.6	32.1	29.6	29.3	28.5	28.6	28.6	31.2
28		28.5	29.8	30.1	31.6	34.0	32.7	32.9	32.1	30.6	31.5	33.7	35.2	32.6	33.9	34.3	34.6	32.5	32.3	30.5	30.2	28.1	26.2	27.4	28.7	31.4
29		29.2	30.7	30.9	31.2	31.2	30.5	30.3	30.6	34.4	35.2	35.4	33.0	32.0	29.7	30.7	32.4	32.7	31.7	31.1	31.0	31.1	31.0	30.5	30.0	31.5
30		29.6	30.0	30.8	30.9	31.1	31.0	32.7	35.0	33.0	32.4	30.5	28.7	30.8	31.1	31.5	31.9	34.1	34.1	34.2	32.3	28.4	30.9	29.4	29.5	31.4
MEAN		28.6	30.1	30.4	30.9	31.4	31.6	31.7	31.5	31.3	31.3	31.4	31.0	31.1	31.3	31.5	33.0	33.9	33.9	32.4	31.1	29.7	28.7	28.4	28.6	31.0

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 33 VICTORIA — Z = 53,000 GAMMA + — NOVEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1	139	141	143	144	143	145	142	144	142	142	142	140	141	140	140	144	144	144	141	136	136	140	138	140	141
2	139	142	145	147	151	153	154	152	142	144	145	140	138	140	139	147	144	140	130	129	134	142	142	148	143
3 D	147	155	156	154	150	151	151	156	154	152	151	153	151	147	133	131	142	135	129	134	141	142	152	152	147
4	151	157	163	173	171	166	165	160	154	154	147	146	145	134	152	159	163	157	150	150	148	151	151	150	155
5	151	155	155	155	157	160	162	158	153	151	147	150	148	150	149	149	147	149	147	146	149	152	153	154	152
6	155	157	154	154	152	154	152	153	150	145	148	150	149	151	150	151	150	150	146	144	145	148	146	144	150
7 Q	156	158	156	155	156	158	155	155	155	155	153	155	152	150	150	154	152	149	144	143	145	150	153	152	153
8 D	151	152	164	163	161	157	153	156	152	155	151	153	151	151	150	146	141	145	141	134	140	151	158	156	151
9	154	161	161	157	159	159	155	156	154	153	151	149	142	135	135	141	141	142	140	145	145	145	146	152	149
10	150	155	153	154	153	153	150	151	149	151	149	147	147	145	145	148	148	148	143	139	138	141	142	142	148
11	149	152	150	154	152	150	149	148	145	148	146	150	148	149	148	150	151	151	146	141	135	136	148	153	148
12 D	150	159	159	161	162	166	132	148	151	146	144	149	149	148	152	152	147	146	134	131	145	143	146	150	149
13 D	148	155	154	161	165	163	159	156	153	149	138	137	146	150	152	154	156	152	148	150	152	150	151	152	152
14	154	164	159	156	154	155	152	150	150	152	149	142	141	148	146	150	150	146	144	142	143	145	146	149	149
15	147	152	150	153	151	151	151	151	151	150	151	148	146	143	141	143	143	145	142	139	142	146	145	147	147
16	149	155	156	156	163	159	156	159	150	151	152	149	148	149	150	154	153	153	148	147	146	151	150	151	152
17 Q	147	152	150	151	150	151	150	151	150	149	149	148	148	148	149	152	154	149	143	144	142	142	144	146	148
18 Q	148	153	152	153	152	151	153	151	151	150	148	147	147	147	147	149	151	149	142	144	145	146	146	147	149
19 Q	147	148	147	148	147	150	149	150	146	146	142	144	142	141	142	144	146	141	140	140	141	145	147	144	145
20 Q	144	145	143	144	143	142	142	144	143	142	141	141	139	140	140	142	145	144	158	148	142	143	147	146	144
21	143	142	143	142	141	140	140	141	140	142	141	141	140	141	141	142	141	138	135	133	132	132	135	142	140
22	144	144	142	143	143	148	146	132	129	134	131	141	139	123	135	143	145	147	142	139	139	143	144	145	140
23	144	147	146	145	143	142	143	142	142	139	139	144	142	140	141	148	149	148	144	142	140	144	147	147	144
24 D	144	159	161	162	157	155	147	156	153	145	119	133	141	144	148	155	151	151	150	153	151	154	155	161	150
25	169	171	169	167	165	160	159	157	155	154	149	138	125	125	132	129	130	131	128	129	131	140	149	152	146
26	149	160	161	160	159	155	155	153	152	146	145	149	150	150	143	145	150	151	145	142	145	144	148	149	150
27	149	154	153	152	155	153	155	154	149	147	148	144	145	145	147	151	149	150	149	146	145	147	150	154	150
28	157	165	169	178	184	182	178	174	170	162	154	156	154	146	148	149	147	142	143	147	145	150	156	156	159
29	161	167	163	162	159	160	157	155	150	119	130	146	143	146	151	155	154	151	152	151	150	151	151	152	152
30	151	153	152	153	154	151	154	152	150	151	148	149	146	146	144	144	149	150	150	148	153	158	156	157	151
MEAN	150	154	154	155	155	155	152	152	150	147	145	146	145	144	145	147	148	146	143	142	143	146	148	150	148

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 34 VICTORIA H = 18,500 GAMMA + DECEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	374	382	381	375	372	371	374	386	381	379	354	373	397	405	392	391	404	382	331	322	340	349	356	344	371
2	352	356	364	353	360	369	364	378	379	378	381	383	384	391	386	385	390	389	378	367	365	364	363	368	373
3	386	394	392	391	390	389	387	386	388	380	384	386	386	395	386	399	399	395	384	373	370	372	368	368	385
4	385	387	383	381	390	391	387	385	390	388	399	399	405	401	403	405	399	391	383	378	374	380	381	393	390
5	394	405	412	407	407	406	404	403	401	402	403	410	405	417	417	415	407	396	397	389	376	348	378	389	400
6	403	405	404	400	406	407	403	403	396	400	400	403	399	405	408	410	406	396	392	383	382	377	386	367	398
7	356	352	503	502	501	497	492	486	495	491	493	490	482	491	496	482	498	501	484	471	475	477	484	490	480
8 D	398	395	401	405	395	390	413	389	393	392	395	398	397	395	395	405	403	393	394	369	357	366	367	373	391
9	387	394	397	402	397	394	399	396	396	397	398	398	398	397	398	403	401	388	382	387	375	376	378	380	392
10	382	396	393	399	397	397	397	398	392	397	396	393	396	397	397	397	400	399	396	390	381	380	382	380	393
11 Q	383	397	393	395	400	399	398	398	397	400	395	398	402	400	398	397	398	397	391	381	373	381	385	387	394
12	393	403	400	396	406	394	392	398	396	398	397	397	400	399	401	402	394	398	395	385	380	380	388	394	395
13 C	405	409	406	406	407	407	408	399	398	404	407	406	405	406	405	406	405	403	395	388	389	385	387	388	401
14 Q	402	406	405	404	402	403	406	405	405	405	406	406	406	406	409	400	404	398	382	372	376	380	392	395	399
15	414	408	413	409	414	406	401	403	403	408	404	408	410	407	413	419	421	414	399	398	399	403	410	415	408
16	418	421	419	419	413	409	411	409	411	409	412	415	413	417	425	422	419	410	400	386	385	378	375	380	407
17	390	392	394	390	390	381	372	369	361	361	356	370	395	410	404	409	402	397	391	383	381	378	379	380	385
18	378	386	396	399	401	405	400	370	381	389	398	396	400	400	409	405	410	398	377	370	362	358	367	377	389
19 D	383	379	381	378	381	368	378	382	380	384	390	396	389	385	391	389	391	381	375	341	351	329	350	336	375
20 D	368	373	375	355	366	388	384	393	372	365	374	365	384	391	380	387	402	375	392	379	365	360	367	374	376
21	388	395	388	385	387	397	392	392	395	402	395	402	396	398	399	403	398	394	381	368	363	375	379	378	390
22	384	390	391	396	402	402	395	395	401	402	392	400	407	404	405	405	406	401	384	373	361	364	365	366	391
23	371	378	393	389	399	396	395	390	395	391	393	394	397	393	392	390	400	385	368	368	370	366	368	381	386
24	391	398	395	396	394	395	394	395	393	394	393	393	399	399	399	402	399	392	379	361	353	358	369	382	389
25 Q	397	400	397	400	401	398	398	399	399	401	402	404	405	405	406	406	402	391	386	375	371	375	384	390	396
26	399	397	397	394	392	395	400	398	395	392	395	402	410	414	412	407	407	407	392	373	366	368	380	388	395
27	385	388	394	396	394	389	396	393	393	395	395	395	394	404	393	401	397	386	377	365	362	367	380	389	389
28 Q	399	399	398	402	404	402	406	404	409	408	411	409	411	411	410	414	414	408	395	373	365	373	383	391	400
29	383	385	405	403	392	392	394	396	399	400	402	400	402	403	400	406	404	398	385	377	376	388	402	401	396
30	409	408	407	398	399	397	397	401	399	396	413	411	414	411	420	427	428	414	402	399	390	386	395	385	404
31 D	368	373	371	353	344	339	337	329	326	291	319	369	413	375	332	306	318	319	290	286	310	334	360	358	338
MEAN	388	393	398	396	397	396	396	394	394	394	396	399	403	404	403	403	404	397	386	375	372	373	381	383	393

DECLINATION (EAST)

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 35 VICTORIA D = 22 DEG 00.0 MIN + DECEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	29.2	30.7	32.4	31.7	34.4	34.5	31.4	31.3	34.0	32.0	33.7	29.8	35.4	33.8	26.3	22.4	29.0	31.6	31.7	20.9	25.2	29.1	28.1	28.9	30.3
2	29.1	37.9	31.0	33.8	34.6	34.8	32.0	32.5	30.1	29.5	30.6	31.6	30.3	29.1	32.3	32.0	32.5	32.0	31.5	30.1	29.3	28.6	28.6	29.5	31.4
3	28.9	30.0	30.5	30.8	31.1	30.8	30.7	30.6	28.3	31.6	31.7	32.8	31.9	26.9	28.5	32.7	32.1	30.4	29.0	28.6	28.6	28.3	29.3	28.7	30.1
4	29.1	30.7	31.2	31.1	32.0	30.4	30.6	31.5	31.0	30.0	29.1	31.2	31.8	31.5	32.2	32.9	33.6	33.2	32.2	31.2	29.2	28.1	28.6	29.3	30.9
5	28.3	30.5	30.5	30.8	31.6	31.0	30.7	30.8	30.3	30.7	30.7	31.1	30.9	31.5	31.9	32.0	33.3	32.1	29.7	30.6	29.5	27.1	26.7	28.0	30.4
6	30.2	30.8	30.7	31.2	36.3	30.2	29.6	30.5	31.4	30.2	30.1	35.0	35.3	32.8	28.1	29.2	33.2	35.0	32.3	31.9	30.9	29.4	27.6	25.7	31.1
7	28.0	28.8	29.8	30.4	33.0	31.0	32.2	35.7	31.5	29.5	31.9	30.7	26.3	28.0	29.5	28.4	31.6	32.9	33.1	33.9	32.1	31.0	28.9	27.9	30.7
8 D	28.3	29.6	30.3	29.8	30.8	34.3	34.9	33.0	29.1	31.1	29.0	30.4	30.3	29.9	27.4	29.6	32.2	32.6	32.3	31.8	34.3	29.1	28.1	30.5	30.8
9	28.6	30.4	31.5	31.3	31.4	31.6	31.4	30.8	31.6	31.4	31.1	31.2	31.0	30.6	29.4	30.3	32.3	32.4	30.5	29.4	30.6	31.2	30.6	30.3	30.9
10	29.1	29.9	32.4	30.3	30.8	31.2	30.9	31.0	30.2	29.8	31.7	31.0	30.0	31.0	31.0	31.4	31.8	32.3	32.6	33.5	32.3	31.2	30.4	29.0	31.0
11 Q	30.0	30.5	29.8	30.5	31.2	31.0	30.9	30.8	30.9	30.5	30.6	31.0	30.9	31.0	31.1	31.2	32.7	33.2	33.6	33.1	32.0	29.9	29.3	28.4	31.0
12	28.8	29.0	29.0	30.0	29.4	30.1	30.5	30.6	30.2	31.3	30.6	31.4	31.2	30.8	31.2	31.5	33.1	32.6	33.0	31.4	31.9	30.0	28.7	28.6	30.6
13 Q	28.8	29.6	29.7	30.4	30.6	30.4	30.2	30.6	31.0	30.5	30.9	31.1	30.9	30.8	31.2	31.2	32.4	32.7	30.4	30.8	29.8	29.2	28.5	28.5	30.4
14 Q	28.9	29.4	30.0	29.8	30.1	30.8	30.3	30.6	30.4	28.4	29.7	31.4	31.5	30.2	31.3	32.5	32.4	33.1	33.6	32.5	31.2	29.9	28.3	27.8	30.6
15	27.7	28.5	28.3	29.8	29.8	30.4	31.1	30.8	30.9	30.6	32.7	32.5	33.8	33.6	31.6	32.3	33.7	34.7	33.6	30.5	29.0	29.1	27.5	26.9	30.8
16	28.8	29.7	30.7	30.6	31.5	30.6	30.5	30.0	30.2	29.8	30.0	29.5	30.0	30.0	29.9	30.4	32.9	34.1	31.6	32.6	32.0	30.8	30.0	29.5	30.7
17	30.4	31.3	30.9	31.4	31.5	33.3	35.1	35.6	36.8	40.7	39.4	36.7	38.7	37.1	33.3	32.2	33.8	34.1	33.6	32.5	31.2	30.3	30.0	28.8	33.7
18	28.3	30.4	31.1	31.0	31.3	31.3	31.6	32.9	35.9	29.7	30.0	31.1	29.9	28.1	23.7	26.2	30.9	29.5	29.1	30.3	31.7	30.9	30.1	29.7	30.2
19 D	30.9	31.5	31.8	32.4	33.6	33.5	31.7	31.3	32.5	34.1	28.4	31.9	36.1	34.3	24.2	30.0	34.7	28.6	29.6	32.8	27.2	27.7	25.8	29.9	31.0
20 D	29.3	31.2	29.9	33.7	33.9	39.0	34.5	34.0	35.4	35.4	31.8	27.5	36.1	33.9	27.6	27.0	31.0	23.7	29.0	33.3	34.0	31.8	30.8	29.5	31.8
21	30.0	30.2	32.5	32.4	33.0	34.1	31.9	31.5	31.2	25.6	28.4	36.5	35.6	29.7	29.7	31.4	32.6	33.9	35.4	34.6	32.7	30.0	28.1	28.5	31.6
22	28.4	29.8	30.5	32.0	32.1	31.1	32.2	30.5	29.3	29.8	33.3	28.8	30.1	30.5	29.2	31.4	33.3	35.4	34.5	33.7	31.4	27.6	27.0	29.3	30.9
23	29.1	32.2	30.1	30.0	34.0	29.8	31.2	31.0	31.1	28.8	32.2	31.6	31.6	29.4	29.6	28.5	31.1	33.5	31.9	32.9	30.6	29.5	28.2	28.4	30.7
24	29.3	30.2	30.7	30.8	30.9	30.8	31.3	31.3	31.5	30.7	31.3	30.0	31.0	30.9	30.3	31.9	33.8	34.6	34.8	34.3	32.3	30.1	29.0	28.9	31.3
25 Q	28.9	29.7	30.4	30.7	30.5	31.0	31.0	30.6	30.6	30.8	31.1	30.7	30.5	29.3	29.2	30.4	34.2	34.6	34.5	33.8	31.5	29.2	29.3	28.9	30.9
26	29.5	30.7	30.9	30.4	31.3	30.8	30.9	30.6	31.9	32.2	31.1	30.3	28.9	30.4	29.6	24.4	27.6	29.0	32.9	33.1	31.8	30.9	30.6	29.2	30.4
27	30.2	30.8	30.5	30.4	30.9	30.8	31.1	30.1	34.0	30.6	32.9	33.1	31.7	27.5	25.4	28.7	35.1	35.6	36.4	35.3	32.4	30.2	29.4	28.7	31.3
28 Q	29.1	30.2	30.5	30.5	30.6	30.1	30.7	30.0	30.8	30.1	31.2	30.7	30.7	30.5	30.4	31.7	32.7	34.5	35.0	32.6	28.8	26.6	27.3	28.2	30.6
29	28.6	30.2	30.2	30.2	30.8	30.1	30.5	30.3	29.8	30.2	30.9	30.1	30.3	29.8	30.2	30.5	32.4	34.8	35.8	34.7	32.5	29.6	29.1	29.6	30.9
30	30.1	30.5	30.9	31.2	31.3	31.9	32.9	31.1	31.2	30.9	29.4	30.9	30.7	29.3	26.1	30.4	32.6	32.9	34.7	33.1	30.3	30.5	30.5	31.0	31.0
31 D	32.1	33.2	32.9	33.3	35.1	40.7	39.2	38.5	41.8	32.5	59.5	57.0	46.3	25.1	17.0	11.9	19.6	27.3	30.8	27.6	29.0	28.4	27.3	29.3	33.1
MEAN	29.2	30.6	30.7	31.1	31.9	32.0	31.7	31.6	31.8	30.9	32.1	32.2	32.2	30.6	29.0	29.6	32.1	32.5	32.5	31.9	30.8	29.5	28.8	28.9	31.0

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 36 VICTORIA Z = 53,000 GAMMA + DECEMBER 1967

HOUR =	00 TO 01	01 TO 02	02 TO 03	03 TO 04	04 TO 05	05 TO 06	06 TO 07	07 TO 08	08 TO 09	09 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
DAY																									
1 D	158	161	162	164	167	171	170	157	130	121	110	78	136	142	130	123	128	130	130	134	141	156	169	179	144
2	181	193	189	190	185	183	175	167	152	148	153	155	147	134	144	154	157	158	155	153	152	152	155	153	162
3	155	156	154	193	155	156	156	156	144	147	149	150	143	135	121	135	141	138	141	143	150	153	153	157	148
4	155	160	160	159	160	159	156	157	153	152	149	150	151	150	150	151	151	152	151	149	150	151	151	153	153
5	149	154	152	152	152	149	150	149	149	149	149	148	147	145	144	141	142	143	143	144	143	139	148	149	147
6	151	152	150	150	155	148	150	148	146	145	126	117	131	133	124	120	128	129	136	141	144	146	150	146	140
7	158	178	178	172	173	163	160	160	149	141	150	150	141	134	140	140	149	151	146	148	152	151	153	151	154
8 D	152	153	157	156	157	156	149	153	150	148	147	146	145	147	143	144	149	150	148	141	151	147	150	156	150
9	155	162	160	159	156	156	152	152	153	151	152	151	149	150	150	150	150	145	147	148	144	147	150	150	152
10	145	156	157	158	153	155	151	151	148	140	144	144	146	147	148	149	149	151	151	149	146	145	142	147	149
11 Q	145	154	154	154	155	152	152	150	151	147	149	151	149	151	150	151	151	148	146	146	143	145	148	146	150
12	149	153	152	152	153	152	157	154	156	154	150	150	152	150	152	149	151	146	143	140	142	140	144	147	150
13 Q	149	151	152	149	153	151	151	149	152	149	148	147	151	150	147	151	152	150	147	149	148	146	145	147	149
14 Q	149	151	150	151	152	153	150	151	150	143	142	144	145	145	145	146	152	147	147	144	145	144	144	144	147
15	147	149	149	152	155	153	158	155	154	146	150	150	149	145	145	144	144	142	139	142	140	138	139	140	147
16	142	144	145	143	145	142	144	143	145	142	141	142	141	141	143	143	147	153	151	147	146	141	141	142	144
17	147	147	149	146	151	146	148	142	129	122	117	111	115	114	121	136	142	142	145	148	150	146	146	146	138
18	146	148	151	152	152	151	147	148	146	150	149	146	142	138	109	87	100	104	118	132	140	146	151	151	138
19 D	154	156	154	159	168	175	173	164	155	150	134	118	124	126	117	107	122	126	129	134	149	146	159	181	145
20 D	175	170	177	184	188	180	168	159	143	139	137	99	89	124	120	121	124	114	123	138	143	146	151	150	144
21	152	152	153	154	154	155	151	151	146	121	105	117	122	134	131	142	143	149	145	145	146	147	146	142	142
22	151	156	154	154	157	154	153	151	149	144	136	133	139	144	142	148	150	145	143	147	141	133	135	145	146
23	151	164	165	161	160	155	156	152	148	140	139	142	142	142	144	142	142	139	141	151	149	141	144	152	148
24	151	153	152	152	150	149	149	147	148	145	146	143	144	141	139	145	150	148	152	142	135	134	140	148	146
25 Q	152	154	152	151	151	148	147	147	148	147	148	147	148	146	147	148	150	148	150	148	147	148	151	152	149
26	151	153	151	152	153	152	151	148	146	145	148	147	138	125	129	131	130	130	133	139	139	144	148	147	143
27	147	151	153	151	151	149	150	146	144	143	141	137	131	123	119	126	139	147	148	150	148	144	147	147	143
28 Q	147	149	148	150	148	147	146	146	147	146	145	144	145	145	146	148	150	150	148	142	137	141	146	148	146
29	150	155	160	163	162	157	158	156	152	151	149	149	150	151	153	153	158	158	158	158	148	144	147	148	154
30	147	150	148	147	149	148	148	146	149	144	137	137	140	141	134	135	138	141	146	146	143	145	145	144	144
31 D	143	150	157	167	172	171	154	151	150	86	83	73	25	-19	-21	-3	37	94	124	150	165	170	177	188	114
MEAN	152	156	156	157	158	156	154	152	148	142	139	136	136	135	132	134	139	141	143	145	146	146	149	151	146

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (ALL DAYS)

TABLE 37 VICTORIA H = 18,500 GAMMA + 1967

L.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	3EC	373	382	392	413	392	392	395	392	394	397	388	391	398	390	385
1- 2	381	380	389	396	408	407	395	397	391	395	401	393	394	402	393	389
2- 3	385	379	390	394	401	385	394	397	391	397	400	398	392	394	393	391
3- 4	383	379	390	393	393	379	392	396	390	400	400	396	391	390	393	390
4- 5	379	378	389	393	383	381	393	398	391	401	400	397	390	389	394	389
5- 6	376	378	390	393	379	383	392	398	392	401	400	396	390	388	394	388
6- 7	376	377	391	397	378	386	393	401	394	401	399	396	391	390	396	387
7- 8	374	379	392	397	378	387	396	402	392	404	400	394	391	391	396	387
8- 9	373	379	393	400	381	390	396	401	394	402	401	394	392	392	397	387
9-10	372	379	396	400	381	393	395	403	394	403	404	394	393	393	398	387
10-11	374	376	397	400	380	392	396	403	395	404	403	396	393	393	399	387
11-12	380	373	399	401	380	393	398	404	394	405	406	399	394	394	400	390
12-13	383	378	398	403	389	397	399	403	396	406	407	403	397	397	401	393
13-14	385	382	399	402	387	398	403	407	398	407	408	404	398	399	402	395
14-15	388	383	398	401	389	397	405	408	396	404	409	403	398	400	400	396
15-16	385	385	398	397	386	392	402	403	389	400	408	403	396	396	396	395
16-17	386	382	393	389	379	384	395	394	373	392	403	404	390	388	387	394
17-18	381	376	383	380	366	376	383	380	365	382	393	397	380	376	378	387
18-19	370	368	371	372	361	368	372	372	361	374	384	386	372	368	370	377
19-20	363	359	364	368	369	365	370	369	364	371	376	375	368	368	367	368
20-21	362	353	360	371	373	365	372	370	369	374	373	372	368	370	369	365
21-22	365	354	361	375	377	370	375	376	377	380	378	373	372	375	373	368
22-23	370	356	366	382	388	377	381	383	386	387	386	381	379	382	380	373
23-24	375	363	374	386	404	383	387	390	391	392	390	383	385	391	386	378
MEAN	377	374	386	391	384	385	391	394	386	395	397	393	388	389	390	385

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (ALL DAYS)

TABLE 38 VICTORIA

D = 22 DEG 00.0 MIN E +

1967

G.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	31.1	29.4	28.2	26.9	25.3	25.9	25.9	27.3	28.9	28.9	28.6	29.2	28.0	26.1	28.2	29.6
1- 2	31.7	30.5	29.4	27.9	27.7	27.8	28.1	29.5	30.1	29.2	30.1	30.6	29.4	28.3	29.2	30.7
2- 3	31.8	31.2	30.3	29.5	30.4	29.2	29.9	30.5	30.5	29.8	30.4	30.7	30.3	30.0	30.0	31.0
3- 4	32.8	32.2	31.1	30.7	29.8	30.3	30.7	30.7	31.3	30.5	30.9	31.1	31.0	30.4	30.9	31.7
4- 5	32.9	32.2	31.4	31.2	30.9	30.9	31.5	30.9	30.8	31.0	31.4	31.9	31.4	31.0	31.1	32.1
5- 6	33.1	32.6	31.7	31.4	31.8	31.0	31.5	31.1	31.0	31.0	31.6	32.0	31.6	31.3	31.3	32.3
6- 7	33.8	32.6	32.0	31.5	31.8	31.8	31.1	31.2	31.3	31.3	31.7	31.7	31.8	31.5	31.5	32.5
7- 8	33.3	32.9	32.2	31.4	31.8	31.4	30.8	31.4	31.9	31.3	31.5	31.6	31.8	31.3	31.7	32.4
8- 9	34.0	32.8	32.1	31.7	31.9	31.0	31.0	32.0	31.6	31.5	31.3	31.8	31.9	31.5	31.7	32.5
9-10	33.5	33.3	32.6	32.3	31.9	31.2	31.1	31.2	31.8	31.9	31.3	30.9	31.9	31.3	32.1	32.3
10-11	33.1	32.9	32.7	32.7	32.5	31.5	30.8	30.8	33.0	32.1	31.4	32.1	32.1	31.4	32.6	32.4
11-12	33.0	33.4	32.6	32.5	33.0	32.2	31.3	31.0	33.4	32.2	31.0	32.2	32.3	31.9	32.7	32.4
12-13	33.1	32.6	32.4	33.3	33.8	33.2	32.2	32.3	33.1	32.6	31.1	32.2	32.7	32.9	32.8	32.3
13-14	32.8	33.1	32.2	33.9	34.3	34.8	33.3	33.9	33.9	31.9	31.3	30.6	33.0	34.1	33.0	31.9
14-15	33.0	32.5	33.2	35.1	36.7	36.5	35.1	36.2	35.5	32.8	31.5	29.0	33.9	36.1	34.2	31.5
15-16	32.7	33.7	34.7	36.6	38.4	38.0	37.0	38.3	36.9	34.5	33.0	29.6	35.3	37.9	35.7	32.2
16-17	34.5	35.0	36.8	37.8	38.8	38.0	38.3	39.4	36.7	36.0	33.9	32.1	36.4	38.6	36.8	33.9
17-18	35.6	35.6	36.1	37.5	38.3	37.3	37.6	38.0	35.1	35.5	33.9	32.5	36.3	37.8	36.6	34.4
18-19	35.4	35.7	36.9	35.4	35.1	34.7	34.5	33.9	31.9	33.6	32.4	32.5	34.3	34.5	34.4	34.0
19-20	33.9	34.6	34.3	32.4	30.8	31.6	30.9	29.6	29.5	30.8	31.1	31.9	31.8	30.7	31.7	32.8
20-21	32.4	32.5	31.9	29.9	28.5	28.0	27.8	26.6	27.7	29.0	29.7	30.8	29.6	27.7	29.6	31.3
21-22	31.1	31.8	29.9	28.3	27.7	26.5	25.9	25.1	26.7	28.3	28.7	29.5	28.3	26.3	28.3	30.3
22-23	30.8	30.7	28.7	27.3	26.7	25.7	25.0	24.6	27.2	28.7	28.4	28.8	27.7	25.5	28.0	29.7
23-24	30.7	30.1	28.5	26.7	25.9	25.7	24.9	25.8	28.0	28.6	28.6	28.9	27.7	25.6	28.0	29.6
MEAN	32.9	32.7	32.3	31.8	31.8	31.4	31.1	31.3	31.6	31.4	31.0	31.0	31.7	31.4	31.8	31.9

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (ALL DAYS)

TABLE 39 VICTORIA Z = 53,000 GAMMA + 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	170	169	160	158	171	188	166	161	160	148	150	152	163	172	157	160
1- 2	175	175	165	164	182	200	176	166	163	150	154	156	169	181	161	165
2- 3	180	174	165	167	187	194	177	164	164	151	154	156	170	181	162	166
3- 4	184	175	166	167	187	186	173	161	163	152	155	157	169	177	162	168
4- 5	181	176	166	167	187	181	170	160	162	151	155	158	168	175	162	168
5- 6	179	177	167	166	169	178	166	158	159	150	155	156	165	168	161	167
6- 7	176	176	166	164	165	175	165	158	153	150	152	154	163	166	158	165
7- 8	171	176	166	163	159	172	164	154	150	149	152	152	161	162	157	163
8- 9	170	173	164	159	154	169	160	153	150	147	150	148	158	159	155	160
9-10	168	169	162	155	152	170	158	151	145	144	147	142	155	158	152	157
10-11	165	162	160	154	150	166	158	150	145	142	145	139	153	156	150	153
11-12	165	152	160	153	152	165	160	150	141	140	146	136	152	157	149	150
12-13	163	152	156	152	153	169	161	151	141	139	145	136	151	159	147	149
13-14	160	162	155	153	148	170	161	155	143	139	144	135	152	159	148	150
14-15	162	161	156	154	148	169	162	157	144	141	145	132	153	159	149	150
15-16	163	164	160	155	152	168	162	157	147	145	147	134	155	160	152	152
16-17	165	168	161	154	154	162	159	153	143	147	148	139	154	157	151	155
17-18	165	169	158	148	151	156	152	144	141	144	146	141	151	151	148	155
18-19	165	165	151	144	148	149	144	137	138	139	143	143	147	145	143	154
19-20	166	164	148	141	148	147	139	133	140	137	142	145	146	142	142	154
20-21	166	164	148	143	152	149	139	134	144	139	143	146	147	144	144	155
21-22	166	166	150	146	160	156	144	138	150	143	146	146	151	150	147	156
22-23	168	166	155	149	172	163	150	145	155	146	148	149	156	158	151	158
23-24	169	169	158	153	167	173	159	154	160	148	150	151	159	163	155	160
MEAN	169	168	159	155	161	170	159	152	150	145	148	146	157	161	152	158

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (QUIET DAYS)

TABLE 40 VICTORIA

H = 18,500 GAMMA +

1967

L.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	380	377	386	395	391	379	391	397	395	399	404	397	391	390	394	390
1- 2	384	384	394	402	392	380	394	401	395	405	409	402	395	392	399	395
2- 3	385	385	395	404	389	388	396	399	397	407	409	400	396	393	401	395
3- 4	385	386	398	401	390	386	398	396	400	408	410	402	397	393	402	396
4- 5	383	386	395	400	391	387	397	399	400	408	407	403	396	394	401	395
5- 6	384	385	396	399	391	389	397	400	402	407	407	402	397	394	401	395
6- 7	383	384	395	405	395	391	397	401	402	406	408	403	397	396	402	395
7- 8	383	384	395	404	398	392	397	402	405	407	407	401	398	397	403	394
8- 9	382	383	396	407	400	392	399	402	405	405	408	402	398	398	403	394
9-10	383	384	397	407	402	395	400	403	404	406	410	404	400	400	404	395
10-11	383	386	396	409	402	396	401	405	404	410	410	404	400	401	405	396
11-12	386	386	401	408	402	397	401	404	406	410	411	405	402	401	406	397
12-13	386	389	401	411	402	401	405	404	406	411	412	406	403	403	407	398
13-14	388	389	402	411	403	406	408	410	406	410	412	406	404	407	407	399
14-15	389	389	402	413	404	407	409	412	404	410	410	406	405	408	407	399
15-16	390	389	401	411	401	404	410	410	395	405	408	405	402	406	403	398
16-17	389	388	397	406	391	393	406	398	382	397	401	405	396	397	396	396
17-18	384	386	388	395	380	384	393	383	372	383	394	399	387	385	385	391
18-19	373	375	377	385	378	369	374	377	369	369	383	390	377	375	375	380
19-20	364	365	366	376	383	367	367	374	373	365	377	378	371	373	370	371
20-21	363	359	362	375	387	367	367	374	380	368	375	375	371	374	371	368
21-22	365	361	364	375	388	368	373	379	387	376	382	379	375	377	376	373
22-23	377	365	368	380	391	374	381	388	395	388	392	386	382	384	383	380
23-24	383	370	375	388	394	378	389	394	399	396	396	390	388	389	390	385
MEAN	382	381	389	399	394	387	394	396	395	398	402	398	393	393	395	391

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (QUIET DAYS)

TABLE 41 VICTORIA D = 22 DEG 00.0 MINE + 1967

L.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
C- 1	30.9	29.7	28.3	26.4	27.5	26.5	26.9	28.3	28.5	28.9	28.7	29.1	28.3	27.3	28.0	29.6
1- 2	31.4	30.8	29.7	27.7	30.1	28.4	29.2	29.9	29.5	29.3	30.0	29.9	29.7	29.4	29.0	30.5
2- 3	32.0	31.7	30.3	29.4	31.2	29.7	30.7	30.6	29.6	29.9	30.3	30.1	30.5	30.5	29.8	31.0
3- 4	32.5	32.2	31.1	30.7	31.0	30.9	31.0	30.6	30.0	30.2	30.8	30.4	31.0	30.9	30.5	31.5
4- 5	32.8	32.4	31.2	31.2	30.4	30.8	30.8	30.7	30.0	30.9	31.0	30.6	31.1	30.7	30.8	31.7
5- 6	32.5	32.4	31.4	31.4	31.5	30.7	30.7	30.4	30.6	30.9	31.4	30.7	31.2	30.8	31.1	31.8
6- 7	32.6	32.3	31.7	31.4	31.1	31.6	30.5	31.2	30.4	30.9	30.9	30.6	31.3	31.1	31.1	31.6
7- 8	32.3	32.3	31.5	31.2	30.7	31.9	30.3	30.5	31.0	31.1	30.6	30.5	31.2	30.9	31.2	31.4
8- 9	32.5	32.1	31.4	31.3	31.7	31.5	30.7	30.8	30.5	31.2	30.3	30.7	31.2	31.2	31.1	31.4
9-10	32.1	31.8	32.2	31.5	31.3	31.5	30.5	31.2	31.2	31.6	30.4	30.1	31.3	31.1	31.6	31.1
10-11	32.1	32.8	32.0	31.8	31.9	31.3	31.0	31.7	31.4	31.6	30.6	30.7	31.6	31.5	31.7	31.5
11-12	31.9	33.0	32.4	31.8	31.7	32.3	31.6	31.9	32.0	31.4	30.9	31.0	31.8	31.8	31.9	31.7
12-13	32.3	32.6	32.2	32.3	33.2	33.3	32.5	33.2	32.6	31.6	30.8	30.9	32.3	33.0	32.2	31.7
13-14	32.3	32.8	32.8	33.7	35.0	34.7	33.5	34.0	33.7	31.4	31.5	30.4	33.0	34.3	32.9	31.7
14-15	32.6	32.8	33.1	35.0	36.9	36.2	34.6	35.5	34.9	32.4	31.7	30.6	33.9	35.8	33.9	32.0
15-16	33.3	33.8	34.8	36.5	38.7	38.3	36.1	37.7	36.8	34.9	33.4	31.4	35.5	37.7	35.7	33.0
16-17	34.9	35.5	36.5	37.5	38.5	39.2	37.3	39.2	37.6	37.0	35.0	32.9	36.7	38.5	37.1	34.6
17-18	36.1	36.1	38.0	37.8	36.6	38.0	37.1	38.3	36.0	37.2	35.5	33.6	36.7	37.5	37.2	35.3
18-19	36.5	36.0	37.7	36.4	33.4	33.9	34.7	33.9	32.3	35.4	34.6	33.4	34.8	34.0	35.4	35.1
19-20	35.3	35.0	35.6	33.8	29.5	30.9	31.8	29.6	29.5	32.5	32.5	32.6	32.4	30.5	32.8	33.9
20-21	33.2	32.6	32.7	31.4	27.2	28.0	28.6	27.3	27.3	30.3	30.7	30.7	30.0	27.8	30.4	31.8
21-22	31.6	31.7	30.4	29.1	25.9	26.2	26.7	26.0	27.0	29.2	29.6	29.0	28.5	26.2	28.9	30.5
22-23	30.6	31.1	29.2	27.7	25.7	25.5	25.5	25.4	27.5	28.7	29.0	28.5	27.9	25.5	28.3	29.8
23-24	30.5	29.9	28.7	26.6	26.2	26.0	25.1	26.9	28.6	28.4	28.9	28.4	27.8	26.0	28.1	29.4
MEAN	32.7	32.6	32.3	31.8	31.5	31.6	31.1	31.4	31.2	31.5	31.2	30.7	31.6	31.4	31.7	31.8

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (QUIET DAYS)

TABLE 42 VICTORIA Z = 53,000 GAMMA + 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	168	166	157	156	169	166	163	158	155	146	148	149	158	164	154	158
1- 2	170	173	163	161	175	173	170	163	154	148	151	152	163	170	157	162
2- 3	170	171	162	163	174	174	170	161	153	147	150	151	162	170	156	161
3- 4	170	171	162	161	169	171	168	157	153	146	150	151	161	166	156	161
4- 5	170	171	161	160	166	168	165	157	152	147	150	152	160	164	155	161
5- 6	169	171	162	159	166	167	162	155	152	145	150	150	159	163	155	160
6- 7	169	170	161	159	167	166	162	155	152	145	150	149	159	163	154	160
7- 8	170	171	162	160	165	165	162	154	151	146	150	149	159	162	155	160
8- 9	169	170	161	159	164	164	161	154	149	144	149	150	158	161	153	160
9-10	168	171	161	159	163	164	161	154	150	144	148	146	157	161	154	158
10-11	169	168	160	158	163	164	160	155	150	144	147	146	157	161	153	158
11-12	168	169	160	157	164	165	161	152	151	143	147	147	157	161	153	158
12-13	168	169	159	158	164	167	161	154	149	142	146	148	157	162	152	158
13-14	168	169	159	158	163	167	163	157	150	144	145	147	158	163	153	157
14-15	168	167	160	156	163	167	161	160	152	143	146	147	157	163	153	157
15-16	170	168	162	155	162	165	161	160	153	148	148	149	158	162	155	159
16-17	171	171	163	153	159	161	157	155	150	151	150	151	158	158	154	161
17-18	170	170	159	150	152	153	151	146	144	150	146	149	153	151	151	159
18-19	167	165	153	147	145	143	146	137	139	143	145	148	148	143	146	156
19-20	167	165	145	142	144	140	140	133	139	140	144	146	145	139	142	156
20-21	164	165	143	142	149	143	140	133	142	141	143	144	146	141	142	154
21-22	163	166	145	142	152	148	142	135	146	143	145	145	148	144	144	155
22-23	162	164	150	144	158	154	146	142	149	146	147	147	151	150	147	155
23-24	164	165	153	147	164	159	153	149	151	147	147	147	154	156	150	156
MEAN	168	169	158	154	162	161	158	151	150	145	148	148	156	158	152	158

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (DISTURBED DAYS)

TABLE 43 VICTORIA H = 18,500 GAMMA + 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	374	368	384	387	528	430	394	399	380	387	394	378	400	438	385	379
1- 2	375	377	387	393	467	503	399	399	374	384	391	380	402	442	385	381
2- 3	397	369	385	387	432	390	389	397	375	384	389	382	390	402	383	384
3- 4	389	370	385	384	430	358	386	397	368	393	393	373	385	393	383	381
4- 5	368	371	380	380	371	364	387	398	367	396	399	372	379	380	381	378
5- 6	356	373	379	384	336	369	386	397	370	394	398	371	376	372	382	375
6- 7	358	371	385	396	321	370	382	402	365	396	395	377	376	369	386	375
7- 8	345	373	387	394	300	378	391	405	351	397	395	376	374	369	382	372
8- 9	342	374	388	401	301	385	387	400	359	396	399	370	375	368	386	371
9-10	334	364	394	394	298	390	382	403	358	399	401	362	373	368	386	365
10-11	338	340	396	393	291	391	389	403	367	396	401	367	373	369	388	362
11-12	360	309	395	393	284	393	394	405	357	396	403	380	372	369	385	363
12-13	372	336	391	402	336	398	392	403	368	395	406	396	383	382	389	378
13-14	381	356	395	402	326	402	393	404	378	401	408	390	386	381	394	384
14-15	384	361	390	397	342	397	402	405	368	396	410	378	386	387	388	383
15-16	366	370	391	387	346	393	389	399	366	397	410	376	383	382	385	381
16-17	369	363	383	378	337	383	384	396	352	390	400	384	377	375	376	379
17-18	370	352	369	375	322	371	379	381	343	384	382	370	366	363	368	369
18-19	360	349	368	366	320	359	372	371	342	376	372	356	359	356	363	359
19-20	351	342	363	363	343	350	371	368	350	374	358	339	356	358	363	348
20-21	355	329	360	367	349	355	366	369	354	375	359	345	357	360	364	347
21-22	358	329	360	375	360	370	368	375	362	371	368	348	362	368	367	351
22-23	360	329	361	383	412	378	371	380	372	380	380	360	372	385	374	357
23-24	358	341	369	385	492	406	370	386	376	385	386	357	384	414	379	361
MEAN	363	355	381	386	360	387	384	393	363	389	392	370	377	381	380	370

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (DISTURBED DAYS)

TABLE 44 VICTORIA D = 22 DEG 00.0 MIN E + 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	31.0	29.7	27.7	26.9	22.6	22.0	25.4	25.6	28.8	28.1	27.6	30.0	27.1	23.9	27.9	29.6
1- 2	30.2	30.2	28.2	27.4	27.3	23.5	27.0	28.3	30.4	27.7	30.0	31.2	28.5	26.5	28.4	30.4
2- 3	28.5	30.6	29.4	28.1	35.6	26.1	28.9	29.8	31.4	29.2	30.3	31.5	30.0	30.1	29.5	30.2
3- 4	33.0	33.3	30.7	29.4	25.5	27.2	29.8	30.9	33.8	30.9	30.9	32.2	30.6	28.4	31.2	32.3
4- 5	32.1	32.2	30.7	31.6	30.8	31.4	31.2	31.1	32.0	31.5	31.1	33.6	31.6	31.1	31.5	32.2
5- 6	33.2	32.4	30.9	31.3	29.8	32.4	33.4	30.9	31.1	31.8	33.1	36.4	32.2	31.6	31.3	33.8
6- 7	36.5	32.1	32.6	31.0	33.3	32.9	32.1	30.3	32.4	32.3	31.9	34.3	32.6	32.1	32.1	33.7
7- 8	35.1	33.3	33.2	31.2	35.4	31.1	31.6	30.9	37.1	31.8	32.4	33.6	33.1	32.3	33.3	33.6
8- 9	37.6	33.7	33.7	31.9	34.7	29.8	34.4	31.3	34.5	32.3	31.5	34.6	33.3	32.6	33.1	34.4
9-10	37.7	36.2	33.8	32.4	35.2	30.2	32.5	31.0	31.1	32.4	31.9	33.0	33.1	32.2	32.4	34.7
10-11	35.3	34.3	33.4	34.8	35.0	30.5	30.3	30.0	38.2	34.2	31.9	36.5	33.7	31.4	35.1	34.5
11-12	34.2	36.6	32.4	32.5	36.9	30.8	31.5	31.2	37.5	33.8	31.8	35.3	33.7	32.6	34.0	34.5
12-13	33.2	32.0	32.5	32.8	36.1	32.0	32.2	32.6	35.1	34.7	31.2	36.8	33.4	33.2	33.8	33.3
13-14	33.8	33.9	31.1	34.7	33.0	34.8	33.3	34.3	33.4	31.9	31.7	31.4	33.1	33.8	32.8	32.7
14-15	34.8	31.3	33.3	36.4	36.8	37.1	35.4	37.7	33.2	31.9	31.3	24.5	33.7	36.8	33.7	30.5
15-16	30.4	34.3	34.1	36.7	40.5	38.7	36.7	39.3	32.4	33.1	32.3	24.2	34.4	38.8	34.1	30.3
16-17	31.3	35.7	36.2	35.6	39.4	38.5	39.4	40.1	32.1	34.0	33.8	29.3	35.4	39.4	34.5	32.5
17-18	34.1	33.7	36.5	34.9	40.3	38.2	38.0	39.9	32.7	34.0	32.3	28.8	35.3	39.1	34.5	32.2
18-19	33.5	34.3	33.9	33.8	37.4	36.4	34.0	35.3	29.1	32.1	30.0	30.7	33.4	35.8	32.2	32.1
19-20	32.1	33.7	31.8	30.8	33.3	32.8	31.4	30.3	28.4	30.3	29.3	29.3	31.1	31.9	30.3	31.1
20-21	31.9	30.4	30.5	27.8	31.1	26.4	28.7	25.6	28.8	29.1	28.8	29.9	29.1	27.9	29.1	30.3
21-22	30.3	32.0	29.1	26.9	33.4	25.0	26.3	23.4	27.9	28.8	27.4	29.2	28.3	27.0	28.2	29.7
22-23	30.6	31.2	28.4	26.3	30.4	23.4	25.3	23.2	28.7	28.5	27.9	28.0	27.7	25.6	28.0	29.4
23-24	31.1	30.5	28.4	26.8	26.4	22.2	25.7	24.9	28.4	28.2	28.7	29.6	27.6	24.8	28.0	30.0
MEAN	33.0	32.8	31.8	31.3	33.3	30.5	31.4	31.2	32.0	31.4	30.8	31.4	31.7	31.6	31.6	32.0

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (DISTURBED DAYS)

TABLE 45 VICTORIA Z = 53,000 GAMMA + 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	168	174	158	163	178	241	169	161	174	153	148	156	170	187	162	162
1- 2	189	177	163	172	196	260	185	167	186	158	156	158	181	202	170	170
2- 3	221	178	164	178	198	238	188	169	202	163	159	161	185	198	177	180
3- 4	241	183	167	178	222	207	184	167	191	165	160	166	186	195	175	188
4- 5	223	186	170	180	239	204	182	165	190	158	159	170	185	198	175	185
5- 6	214	191	175	179	148	191	176	161	170	154	158	171	174	169	170	184
6- 7	191	188	176	174	136	182	175	166	146	153	148	163	166	165	162	173
7- 8	161	186	174	169	106	183	171	159	148	150	154	157	160	155	160	165
8- 9	165	177	170	154	96	180	158	157	140	148	153	146	153	148	153	160
9-10	156	158	164	138	101	176	153	154	112	139	149	129	144	146	138	148
10-11	142	131	160	138	88	170	150	149	121	129	141	122	137	139	137	134
11-12	146	79	161	135	92	168	157	151	104	119	145	103	130	142	131	118
12-13	134	82	150	138	101	170	157	146	110	114	148	104	129	144	128	117
13-14	124	140	142	143	70	175	152	152	121	117	148	104	132	137	131	129
14-15	134	140	141	147	85	175	154	157	119	124	147	98	135	143	133	130
15-16	135	148	145	149	122	175	156	155	127	133	148	98	141	152	139	132
16-17	134	168	144	145	139	168	155	153	126	134	147	112	144	154	137	140
17-18	146	168	144	138	151	161	152	145	139	136	146	123	146	152	139	146
18-19	157	164	144	136	158	154	144	135	142	134	140	131	145	148	139	148
19-20	162	160	145	136	169	148	141	130	150	133	140	139	146	147	141	150
20-21	168	163	147	142	180	152	140	133	159	138	146	150	151	151	147	157
21-22	169	167	152	149	211	161	148	141	166	145	148	153	159	165	153	159
22-23	173	173	159	155	249	171	158	150	174	148	152	161	169	182	159	165
23-24	173	179	163	158	181	195	167	160	181	153	154	171	170	176	164	169
MEAN	168	161	157	154	151	184	161	153	150	142	150	139	156	162	151	155

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 46

JANUARY

DAY	C	H	Z	K
1	1324 4532	2222 2542	0003 3332	2324 4542
2	2312 2322	2221 1121	2322 2232	2322 2322
3	1213 4321	2222 3331	0003 2210	2223 4331
4	CCC1 1231	10CC 1122	0C00 0011	1001 1232
5	0001 1211	20C1 1122	0000 0100	2001 1222
6	1133 1231	1032 1231	0C11 0110	1133 1231
7	0124 6653	1233 5452	1023 4432	1234 6653
8	5676 5432	4667 4522	5676 4431	5677 5532
9	1522 4522	2323 3311	0111 2200	2523 4522
10	1100 1322	201C 1212	0000 0110	2110 1322
11	2232 4	2332 4	2111 2	2332 4
12	1010 0231	1C1C 0212	0C00 0110	1010 0232
13	2233 7334	1133 5334	0022 5223	2233 7334
14	7755 2222	6846 2112	7855 1101	7856 2222
15	2C13 2231	2002 2222	0002 1001	2013 2232
16	2442 3311	2223 2222	1102 1101	2443 3322
17	1113 1221	1112 1111	0001 0111	1113 1221
18	1110 2322	1101 1322	0000 0110	1111 2322
19	C121 1232	1112 1221	0CCC 0000	1122 1232
20	1223 4331	2332 3231	0032 3223	2333 4331
21	1423 3322	2332 2322	1223 1202	2433 3322
22	1C12 1211	2021 0122	0000 0100	2022 1222
23	2032 0211	2222 1221	1012 0011	2232 1221
24	0C10 1001	20CC C1C1	0000 0000	2010 1101
25	1012 2321	2121 1211	0CCC 1100	2122 2321
26	0222 2210	2211 1111	CCC1 0000	2222 2211
27	0001 0221	2002 1111	0000 0100	2002 1221
28	2353 2221	1343 2121	0232 0000	2353 2221
28	1231 1222	1121 C111	0000 0000	1231 1222
30	0111 1111	2120 0111	0010 0001	2121 1111
31	1C11 0211	1C11 C021	1000 0001	1C11 0221

FEBRUARY

DAY	D	H	Z	K
1	1232 2311	2121 1111	0111 0000	2232 2311
2	0011 2230	2001 0210	1000 0100	2011 2230
3	0013 2221	2012 1121	1001 0000	2013 2221
4	1333 3432	2222 2324	0101 1212	2333 3434
5	3312 2421	4222 2321	3121 1211	4322 2421
6	1222 2222	2232 1122	1011 1101	2232 2222
7	0002 2654	2112 2654	0001 1334	2112 2654
8	4555 6444	4545 4334	3446 5432	4555 6444
9	2131 0120	3231 0122	1020 0000	3231 0122
10	0201 1201	1101 0111	0000 0000	1201 1211
11	1333 2222	2333 1231	0122 1011	2333 2232
12	1000 1201	2011 0022	0000 0110	2011 1222
13	2000 0222	2000 0131	0000 0001	2000 0232
14	2122 1222	2112 1021	1001 0001	2122 1222
15	2010 0213	21C0 0022	0000 0013	2110 0223
16	3258 7443	3349 8442	2139 8431	3359 8443
17	2434 3321	3323 3222	1233 2311	3434 3322
18	1222 3221	2221 2010	0001 2000	2222 3221
19	0022 3332	2022 2321	1010 1101	2022 3332
20	1112 1311	2111 0122	1000 0011	2112 1322
21	1003 3332	2122 2121	0001 1121	2123 3332
22	2123 4342	1122 2222	0011 2121	2123 4342
23	3124 4441	2113 3421	1002 4332	3124 4441
24	0031 1231	2022 1221	0021 0000	2032 1231
25	1533 2333	2432 2432	0221 1122	2533 2433
26	3224 3332	2222 2333	2112 1111	3224 3333
27	1032 1220	2122 0212	0002 0110	2132 1222
28	0112 1211	2111 0122	1001 0000	2112 1222

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 47

MARCH

DAY	D	H	Z	K
1	1211 231C	22C1 2121	11CC 1100	2211 2321
2	0101 2311	11C1 1222	0002 1010	1101 2322
3	1303 4322	2212 3212	0C02 32C0	2313 4322
4	2121 1312	1131 1212	0010 0111	2131 1312
5	2231 3432	3331 2322	1110 1112	3331 3432
6	3331 3321	212C 222C	2000 1110	3331 3321
7	0012 4232	1012 2121	0000 2121	1012 4232
8	CCCC C222	10C1 C021	0CC0 0010	1001 0222
9	1112 4333	2012 2233	1002 2212	2112 4333
10	3232 221C	3211 1011	2000 0000	3232 2211
11	0000 0021	1011 0001	0000 0010	1011 0021
12	CC11 1110	1012 1C11	00C0 0000	1012 1111
13	0023 2221	2022 1211	00C2 2000	2023 2221
14	1122 1222	21C1 C111	0000 0010	2122 1222
15	1000 1101	2100 110C	0000 0010	2100 1101
16	0000 1301	CCC1 C211	1CC0 00CC	0001 1311
17	1100 1321	321C 1121	1000 0000	3210 1321
18	1324 5422	2323 3322	1114 2120	2324 5422
19	3432 4433	3331 2434	2331 3222	3432 4434
20	2343 4222	2222 2123	1121 2002	2343 4223
21	3202 3211	32C2 3112	2202 1001	3202 3212
22	2320 0011	2320 0001	1110 0000	2320 0011
23	CC00 1233	C011 1222	1CCC 0001	0011 1233
24	0C00 2221	1101 2001	0CC0 00C0	1101 2221
25	0031 2221	113C 12CC	0010 0011	1131 2221
26	0002 3212	0001 1212	0000 1101	0002 3212
27	2234 4331	3322 2232	12C1 3110	3334 4332
28	1345 3221	2233 2211	0032 3101	2345 3221
29	0322 3221	1221 2211	00C1 2111	1322 3221
30	3323 2222	3322 2213	1202 1102	3323 2223
31	2000 1211	201C 1CC1	1CC0 0011	2010 1211

APRIL

DAY	D	H	Z	K
1	0035 4342	2034 3342	1024 4132	2035 4342
2	0024 4431	1122 3322	0004 4111	1124 4432
3	3000 0102	3211 0112	2100 0021	3211 0112
4	1232 5322	1322 5222	1221 3201	1332 5322
5	1333 3222	2332 1222	1222 2021	2333 3222
6	2443 4310	2333 1321	1212 2111	2443 4321
7	3322 2220	2331 1212	1210 0010	3332 2222
8	2212 1132	3211 0112	1000 0100	3212 1132
9	3002 2122	2012 1001	1101 1000	3012 2122
10	2110 2222	2211 2221	0000 0101	2211 2222
11	1001 2221	2001 1211	0000 0000	2001 2221
12	1211 1000	1211 1001	0100 0101	1211 1001
13	0101 0111	11C1 0101	0000 0011	1101 0111
14	2010 1120	3021 1200	10C0 0001	3021 1220
15	1020 2221	2010 2121	0000 0011	2020 2221
16	1322 3331	2332 2221	1101 2112	2332 3331
17	3313 1221	3323 1112	3212 1210	3323 1222
18	2222 3201	2211 1212	1100 1112	2222 3212
19	2553 4322	3434 2223	3243 2111	3554 4323
20	2222 2121	2221 2332	1111 0221	2222 2332
21	1322 1321	2232 1212	2121 1102	2332 1322
22	3465 3321	3244 3132	3154 1211	3465 3332
23	2011 3552	3222 3433	2000 1433	3222 3553
24	4334 3332	5334 2323	4344 3322	5334 3333
25	3423 3111	3321 0012	3322 0011	3423 3112
26	0221 2010	1110 1111	0010 0000	1221 2111
27	1111 1110	2111 1121	1000 0010	2111 1121
28	2101 2210	1210 1011	1100 0012	2211 2211
29	2021 3312	2121 1323	1110 0112	2121 3323
30	1022 2210	2111 1110	1101 1121	2122 2210

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 48 MAY

DAY	C	H	Z	K
1	1233 2242	2322 1234	2101 1033	2333 2244
2	2234 3343	3233 2333	1014 2213	3234 3343
3	5756 6532	4657 6553	4746 5652	5757 6553
4	3333 3112	3322 3223	2333 3101	3333 3223
5	2244 1122	3233 1212	2133 0022	3244 1222
6	2321 2000	3311 2111	2200 0001	3321 2111
7	3443 2110	4343 1112	3353 1CCC	4443 2112
8	0111 3210	2222 1221	1000 2000	2222 3221
9	1331 2200	2111 1211	1000 0000	2331 2211
10	1112 3321	3231 2223	1000 1001	3232 3323
11	2422 2222	3321 1213	2210 0011	3422 2223
12	2422 2232	3322 1123	3312 0012	3422 2233
13	2432 3212	3421 2212	3421 1002	3432 3212
14	2211 2341	2221 1223	2100 1112	2221 2343
15	3002 3220	4211 1112	2201 1012	4212 3222
16	2332 3131	2222 1023	2111 1002	2332 3133
17	3412 3222	3332 2222	3112 2012	3432 3222
18	2333 2221	3332 1223	2222 0112	3333 2223
19	3342 4210	3332 2212	2221 2111	3342 4212
20	2132 2222	2221 0123	2220 0222	2232 2223
21	1102 1221	3211 1223	0101 0122	3212 1223
22	2112 1121	3211 1000	2100 0010	3212 1121
23	2213 2232	1222 1343	1001 1132	2223 2343
24	2232 3342	3232 1333	1021 2122	3232 3343
25	2215 8569	3325 7669	2103 7649	3325 8669
26	9996 5433	9998 6334	8987 7223	9998 6434
27	3243 3133	4333 3145	3342 2124	4343 3145
28	2355 4553	3445 4554	2256 4454	3455 4554
29	5765 4311	5577 4323	4777 5311	5777 4323
30	1333 4664	2332 3555	1232 4433	2333 4665
31	6651 2331	6552 1332	664C 1221	6652 2332

JUNE

DAY	D	H	Z	K
1	1001 1120	2101 1222	1000 0011	2101 1222
2	1124 2221	2123 2322	1112 2221	2124 2322
3	3431 1321	3221 1222	3211 0212	3431 1322
4	1002 3332	3212 2333	2000 3223	3212 3333
5	3013 5254	3234 3245	2213 3135	3234 5255
6	8541 3233	8443 3134	8430 1213	8543 3234
7	5542 2000	6533 1012	6442 1011	6543 2012
8	0134 3332	2224 4233	1114 3112	2234 4333
9	4334 2112	4433 2124	4444 3235	4434 2124
10	3342 2121	3332 1122	2231 0011	3342 2122
11	1200 2121	1111 1322	0100 1001	1211 2322
12	1121 2211	2221 2212	2100 2111	2221 2212
13	1101 1221	3311 1122	2200 0211	3311 1222
14	3332 4222	3332 3223	2232 2123	3332 4223
15	3331 0211	4321 1122	2330 0201	4331 1222
16	1022 2210	2222 2213	1102 0011	2222 2213
17	1013 2332	3223 2323	1003 1212	3223 2333
18	2120 1111	3221 2111	2200 0201	3221 2111
19	1001 1220	3220 2322	2000 2212	3221 2322
20	0131 2210	1221 2111	1110 1011	1231 2211
21	0111 2211	1212 1112	0000 0111	1212 2212
22	1232 2110	1222 2110	2001 1101	1232 2110
23	1111 0110	2111 1012	1100 0100	2111 1112
24	1021 2001	2221 2012	2110 0001	2221 2012
25	2233 3444	3332 2345	2221 1234	3333 3445
26	4533 3321	5422 2333	3421 2312	5533 3333
27	3553 2322	4424 2223	4423 1112	4554 2323
28	2104 2121	3224 2232	2103 3120	3224 2232
29	2352 2321	1241 1323	1130 0122	2352 2323
30	2343 2231	4333 3133	2222 1122	4343 3233

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 49

JULY

DAY	D	H	Z	K
1	1355 3231	3344 3312	3254 2212	3355 3332
2	2210 0000	3320 1012	3320 0021	3320 1012
3	1201 1101	2111 1202	1200 0000	2211 1202
4	1322 1212	3321 1213	2201 0212	3322 1213
5	2354 4212	4334 3222	3142 3112	4354 4222
6	1111 2222	2111 2123	1200 2113	2111 2223
7	4532 2221	4421 1122	3422 0021	4532 2222
8	2021 1120	2112 1210	1100 1011	2122 1220
9	0021 1111	0021 1211	0100 0011	0021 1211
10	1000 2111	1111 2212	1000 0022	1111 2212
11	3233 3432	4342 3334	3331 2222	4343 3434
12	2432 2321	3332 1222	2222 0121	3432 2322
13	2110 1222	3210 1123	1100 0022	3210 1223
14	1343 2220	3333 2111	2133 0001	3343 2221
15	1000 3321	2120 2232	1000 2122	2120 3332
16	1300 0000	2311 1022	1100 0021	2311 1022
17	2000 1121	2210 1122	2200 1132	2210 1122
18	2124 3212	2333 2113	1111 1112	2334 3213
19	2100 1202	2110 1202	2200 1211	2110 1202
20	1211 3211	3212 2321	2000 1122	3212 3321
21	0132 2122	1122 2211	1021 0122	1132 2222
22	2111 1112	2211 1232	1000 0122	2211 1232
23	1122 2343	2221 3335	2110 2233	2222 3345
24	3232 0221	3322 2323	1210 1123	3332 2323
25	2132 2232	2131 2433	2222 2112	2132 2433
26	3302 2111	3211 2212	2300 1122	3312 2212
27	0123 1111	1022 2222	1000 0022	1123 2222
28	1111 2342	3232 2432	2111 1233	3232 2442
29	2521 1222	3421 1214	3310 1102	3521 1224
30	3442 1000	4332 1000	3331 1021	4442 1000
31	1000 0000	2000 0001	1100 1110	2000 0001

AUGUST

DAY	D	H	Z	K
1	0001 0211	1001 1211	0000 0000	1001 1211
2	1001 0001	1000 0000	1000 0000	1001 0001
3	0000 1102	0000 0113	0000 0001	0000 1113
4	0011 2321	2131 1213	1010 1111	2131 2323
5	2122 1211	3112 1221	1101 1110	3122 1221
6	1213 1111	1112 1023	0003 1001	1213 1123
7	1044 1221	3132 1122	2022 2111	3144 1222
8	2144 2221	3243 1112	2132 1111	3244 2222
9	1013 1201	1012 1213	0002 0011	1013 1213
10	2312 3212	2321 2233	2203 3101	2322 3233
11	3242 3432	3542 3323	2221 1212	3542 3433
12	3023 1101	3122 1001	2111 0010	3123 1101
13	1101 1212	1101 0332	1000 0101	1101 1332
14	2444 1111	1233 1012	0143 1010	2444 1112
15	0212 2111	1223 1112	0102 0000	1223 2112
16	1113 2322	2111 1223	1002 2111	2113 2323
17	3414 3412	3423 2323	2224 3101	3424 3423
18	3252 2223	3242 1232	2141 0111	3252 2233
19	3332 2321	3221 1222	1110 0101	3332 2322
20	2334 2222	3332 2213	2112 1001	3334 2223
21	2211 1211	2121 1122	1010 0000	2221 1222
22	1231 1211	2101 1212	1000 0010	2231 1212
23	1112 0220	2212 1121	0002 1010	2212 1221
24	2124 2211	3223 1112	1013 1101	3224 2212
25	1242 3322	2332 2223	1222 1001	2342 3323
26	1122 2322	2111 1223	1000 0012	2122 2323
27	2213 1211	3312 1112	1002 0101	3313 1212
28	0111 1211	2211 1202	1000 0000	2211 1212
29	2022 2112	2221 1123	1010 0001	2222 2123
30	0222 2211	1321 2122	0120 1000	1322 2222
31	2152 2210	3232 2122	2033 0100	3252 2222

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 5C

SEPTEMBER

DAY	C	H	Z	K
1	3353 3343	2342 3444	2252 4323	3353 3444
2	2244 4321	3343 3211	2144 4200	3344 4321
3	1123 2111	2021 0212	1001 1001	2123 2212
4	1330 3212	2221 1211	1020 1111	2331 3212
5	1032 0000	3021 0211	1021 0001	3032 0211
6	1302 2112	1201 1012	0000 0001	1302 2112
7	2010 2421	2221 2421	1000 0201	2221 2421
8	2001 3233	2002 2323	2000 1112	2002 3333
9	1412 2121	3332 1113	1223 2102	3432 2123
10	2210 1000	2101 0000	0000 0000	2211 1000
11	0001 1110	1111 0001	0000 0000	1111 1111
12	0000 2111	1120 0012	0000 0000	1120 2112
13	2344 3543	2443 3533	1233 3332	2444 3543
14	2043 5322	3123 3323	2012 3212	3143 5323
15	3452 1222	3442 1113	1132 0001	3452 1223
16	3312 3212	3211 2323	1201 1101	3312 3323
17	2120 0221	3121 1211	1010 0000	3121 1221
18	1003 3322	2112 2223	1000 2112	2113 3323
19	4442 4333	2241 2333	2020 3011	4442 4333
20	3376 4634	3345 4544	2145 5424	3376 4644
21	7866 4543	5554 4544	6655 4432	7866 4544
22	3301 2220	3311 1211	3100 0010	3311 2221
23	0022 2101	1022 1001	1000 0000	1022 2101
24	1122 2112	1122 1212	0000 1001	1122 2212
25	0010 1212	2010 0012	0000 0011	2010 1212
26	0120 1211	0121 0012	0000 0001	0121 1212
27	2000 2121	2010 1211	0000 0000	2010 2221
28	1556 4543	2455 3444	1456 3133	2556 4544
29	4565 3453	4476 4444	4566 3342	4576 4454
30	4565 5331	3444 5423	4345 5310	4565 5433

OCTOBER

DAY	D	H	Z	K
1	4244 3221	3233 1111	2133 2010	4244 3221
2	1012 2222	1122 1111	0001 1110	1122 2222
3	2131 3222	1131 1013	0020 1002	2131 3223
4	1000 1112	2110 0002	0000 0001	2110 1112
5	2232 2221	2122 1121	1011 1001	2232 2221
6	1401 2202	1302 2102	0102 2000	1402 2202
7	2014 2211	2123 2112	1002 1100	2124 2212
8	0002 3332	0112 3222	1000 3121	0112 3332
9	2113 2334	3223 1234	1103 0123	3223 2334
10	4533 4332	3423 4323	4425 3321	4533 4333
11	0222 4423	1222 3422	0002 2311	1222 4423
12	3343 2322	3332 0213	3132 0011	3343 2323
13	3201 2222	3201 2123	3100 1111	3201 2223
14	1042 2332	2132 2233	0032 0111	2142 2333
15	4100 1212	3211 1101	2100 0001	4211 1212
16	2100 2222	1110 0122	0000 0000	2110 2222
17	1232 3222	2232 2122	1022 1010	2232 3222
18	2133 1111	2232 0002	1021 1010	2233 1112
19	1302 1111	2201 1100	0000 1000	2302 1111
20	1011 1111	1111 0001	0000 1000	1111 1111
21	0000 1100	0001 0000	0000 0000	0001 1100
22	0000 2232	0001 1133	0000 1021	0001 2233
23	2232 3111	2232 3011	1220 1000	2232 3111
24	0022 4111	1121 2010	0000 1100	1122 4111
25	1012 0100	1011 0001	0000 0010	1012 0101
26	1200 1100	1110 0101	0000 0000	1210 1101
27	0033 4332	0222 2221	0013 3220	0233 4332
28	1335 5423	2234 3334	0025 4213	2335 5434
29	3114 5542	3323 4323	1004 4311	3324 5543
30	2553 2111	3531 1101	1331 0000	3553 2111
31	0001 3220	1002 3120	0000 2010	1002 3220

THREE-HOUR RANGE INDICES

VICTORIA 1967

TABLE 51

NOVEMBER

DAY	D	H	Z	K
1	0001 1221	111C 0C21	0000 00C0	1111 1221
2	1223 1222	2232 1212	1122 1011	2233 1222
3	1113 4553	2122 3543	1011 3322	2123 4553
4	3323 21C2	2222 2101	2121 2001	3323 2102
5	1243 2320	2132 122C	0121 1100	2243 232C
6	0C32 C111	1C2C CC21	0C11 0000	1032 0121
7	1221 2111	0101 100C	0000 0000	1221 2111
8	3302 2432	4211 2343	3200 1222	4312 2443
9	2213 3321	2213 3221	1002 2200	2213 3321
10	1CC1 3211	1CCC 1111	0C00 0010	1001 3211
11	1CCC 1224	2111 2134	1C00 0023	2111 2234
12	2553 3334	3553 2243	1242 1232	3553 3344
13	2233 2332	3332 2233	1222 2112	3333 2333
14	3443 3311	3331 1211	2C11 11CC	3443 3311
15	0132 3223	C120 2332	0000 1110	0132 3333
16	2421 2212	2211 2112	1110 10C0	2421 2212
17	0000 0100	CCCC CCCC	0000 0000	0000 0100
18	0011 110C	C011 0100	0000 0000	0011 1100
19	C21C C21C	C211 0012	CC00 0101	0211 0212
20	00C0 0000	C11C C000	0000 00C0	0110 0000
21	CC10 1212	1C1C 1222	0CC0 0012	1010 1222
22	1343 3222	1333 3111	0132 3110	1343 3222
23	1222 3212	2112 1112	00C1 1001	2222 3212
24	4444 3332	2333 2222	2133 11C1	4444 3332
25	3013 3312	32C2 3221	2003 2101	3213 3322
26	2112 3322	31C2 2101	1001 1100	3112 3322
27	0323 3231	2233 2221	0011 1100	2333 3231
28	3333 3222	3232 3211	2222 2101	3333 3222
29	2134 311C	3233 3110	1024 2CC0	3234 3110
30	2133 2222	1222 2142	0010 1111	2233 2242

DECEMBER

DAY	D	H	Z	K
1	2345 5454	2235 3343	0245 3123	2345 5454
2	6343 3102	4331 2202	3231 2101	6343 3202
3	0042 4222	1032 3212	0021 3200	1042 4222
4	2333 1211	2223 0101	0011 0000	2333 1211
5	0201 1333	0111 2224	0000 0112	0211 2334
6	1524 4433	2422 3323	0203 2222	2524 4433
7	3353 4332	4232 3331	2232 2220	4353 4332
8	3553 3333	3342 3343	1121 1231	3553 3343
9	2021 2232	2121 2221	0000 1110	2121 2232
10	3123 1111	2121 0000	0011 0000	3123 1111
11	2011 0101	2001 0000	2000 0000	2011 0101
12	0222 0211	2221 0111	0000 0000	2222 0211
13	1211 0122	1221 0111	0000 0000	1221 0122
14	0113 2111	1011 0100	0001 0000	1113 2111
15	2233 2222	2222 2112	1011 0001	2233 2222
16	2211 1221	2312 2110	0032 2200	2312 2221
17	1334 3201	2223 3200	0100 0100	2334 3201
18	2242 4442	2342 3322	0021 4330	2342 4442
19	1524 5534	2413 3244	0333 3323	2524 5544
20	3545 5541	3433 4431	2334 4230	3545 5541
21	2435 4322	2333 2312	0114 3201	2435 4322
22	0233 2223	1223 2222	1012 1112	1233 2223
23	4433 2322	3321 1322	3221 0121	4433 2322
24	1012 2210	10C2 1021	0000 0121	1012 2221
25	0020 1000	0020 0000	0000 C010	0020 1000
26	0122 3320	0212 2220	0010 2110	0222 3320
27	1142 4310	2121 3200	0012 2310	2142 4310
28	0000 0132	1110 0023	0000 0020	1110 0133
29	2221 0001	2110 0101	1000 0000	2221 0101
30	0133 4321	2123 2312	0002 2111	2133 4322
31	3457 7543	3336 5423	2235 5543	3457 7543