PUBLICATIONS OF THE EARTH PHYSICS BRANCH

VOLUME 43 - NO. 7

record of observations at victoria magnetic observatory 1970

D. R. AULD and B. D. LOWE

DEPARTMENT OF ENERGY, MINES AND RESOURCES

OTTAWA, CANADA 1972

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D. R. AULD and B. D. LOWE

Geographic Coordinates: 48° 31′; 123° 25′
Geomagnetic Coordinates: 54.3°; 292.7°

Officer-in-charge: B.Caner
Assistant: D.R. Auld

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 *et al.*, 1963; Auld and Moseley, 1965; Auld and Andersen, 1966; Auld and Andersen, 1967; Auld and Fetterley, 1970).

The adopted scale values for Ruska magnetograms are as follows:

D:	Jan. 1	to Dec. 31,	0.94 min/mm or 5.15± 0.02 γ/mm
			(γ/mm)
H:	Jan. 1	to May 21,	2.36 ± 0.02
	May 21	to Oct. 19,	2.27 ± 0.02
	Oct. 19	to Dec. 31,	2.37 ± 0.02
Z:	Jan. 1	to May 4,	4.09 ± 0.02
	May 4	to May 21,	3.73 ± 0.02
	May 21	to June 22,	3.65 ± 0.03
	June 22	to June 30,	3.80 ± 0.02
	July 1	to July 31,	3.84 ± 0.02
	Aug. 1	to Aug. 31,	3.88 ± 0.02
	Sept. 1	to Sept. 30,	3.92 ± 0.02
	Oct. 1	to Oct. 19,	3.96 ± 0.02
	Oct. 19	to Dec. 31,	4.02 ± 0.03

Absolute observations and baseline values

The procedures used were essentially those described by Auld and Moseley (1965) for the period following September 11, 1961 and by Auld and Fetterley (1970).

Baseline drift in all three components was negligible. The rms value of the observed minus adopted baselines is ±0.3

1970 Ruska Baseline Values

Declination D	Jan. 1 (0000) – Feb. 9 (2347)	22° 10.5′ East
	Feb. 9 (2347) – Oct. 6 (2400)	22° 10.0′
	Oct. 7 (0000) – Nov. 28 (2400)	22° 9.5′
	Nov. 29 (0000) – Dec. 31 (2400)	22° 9.2′
		(γ)
Horizontal intensity H	Jan. 1 (0000) – Jan. 31 (2400)	18864
	Feb. 1 (0000) – Feb. 28 (2400)	18865
	Mar. 1 (0000) – Mar. 31 (2400)	18866
	Apr. 1 (0000) – Apr. 30 (2400)	18867
	May 1 (0000) – May 21 (1823)	18868
	May 21 (1823) – Oct. 19 (1630)	18946
	Oct. 19 (1630) – Dec. 31 (2400)	18875
Temperature correction (γ/mm T)	+9 when temperature is greater than reference level − 7 when temperature is less than reference level	
		(γ)
Vertical intensity Z	Jan. 1 (0000) – May 4 (2300)	53075
	May 4 (2300) – May 4 (2315)	53052
	May 4 (2315) – May 7 (2400)	53030
	May 8 (0000) – May 10 (2400)	53042
	May 11 (0000) – May 15 (2400)	53051
	May 16 (0000) – May 21 (1823)	53055
	May 21 (1823) – May 22 (1843)	53041
	May 22 (1843) – June 22 (0233)	53060
	June 22 (0233) – June 30 (2400)	53052
	July 1 (0000) – July 31 (2400)	53050
	Aug. 1 (0000) – Aug. 31 (2400)	53048
	Sept. 1 (0000) – Oct. 19 (1630)	53046
	Oct. 19 (1630) – Oct. 22 (0158)	53054
	Oct. 22 (0158 – Dec. 31 (2400)	53049
Temperature correction	− 2 γ/mm T	
		(mm)
Temperature reference levels	Jan. 1 (0000) – May 21 (1823)	4.3
	May 21 (1823) – Oct. 19 (1630)	13.8
	Oct. 19 (1630) – Dec. 31 (2400)	5.8

minute for declination, ±2 gammas for the horizontal component, and ±2 gammas for the vertical component.

Magnetic reductions

The methods used were essentially those described by Auld and Holmes (1969). Underlined values in any of the tables have been obtained by interpolation from low-sensitivity records, with an accuracy of about 5γ.

Magnetic activity and disturbance indices

The procedures followed 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.

For the period 1969.5 - 1970.5, the decrease in declination was 2.6 minutes (the mean rate of decrease over the whole 15-year period being 2.5 minutes per year); the increase in horizontal intensity was 23 gammas (the mean rate of increase over the 15-year period being 18 gammas per year): the decrease in the vertical component was 10 gammas (the mean rate of decrease over the 15-year period being 22 gammas per year).

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
1968.5	22 29.4	18902	53138	17464	7230	70 25.1	56400
1969.5	22 27.4	18923	53127	17488	7228	70 23.7	56396
1970.5	22 24.8	18946	53117	17515	7224	70 22.2	56395

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 1970

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	446	450	450	449	443	434	439	445	447	448	450	450	454	454	451	459	446	447	454	440	430	429	436	445	446
2 D	444	441	430	413	430	424	421	440	439	420	429	429	434	438	437	450	442	433	427	397	387	404	412	412	426
3	424	437	427	429	431	430	427	439	437	429	427	430	433	433	437	442	439	429	423	413	411	411	419	429	429
4 Q	438	440	440	439	440	438	438	436	434	436	440	439	440	441	441	444	445	442	436	432	428	426	429	435	437
5	441	441	440	439	439	438	442	443	442	440	443	443	441	440	445	447	452	449	444	442	443	444	446	441	443
6	433	441	442	442	442	440	438	437	439	440	442	441	442	438	438	440	435	430	422	426	427	428	433	437	436
7	440	441	442	445	447	444	442	441	442	444	447	446	445	443	445	443	438	431	413	422	437	439	435	432	439
8	437	444	443	442	440	438	437	440	439	440	441	445	443	445	445	447	444	435	442	443	447	450	451	449	443
9 D	437	435	442	440	436	438	438	434	441	430	436	440	441	440	439	437	433	434	433	430	433	436	436	433	436
10	431	440	442	445	445	443	442	438	439	439	444	442	445	442	446	442	434	428	424	422	426	434	439	444	438
11 Q	447	446	445	446	445	446	444	442	443	444	445	447	446	450	448	450	439	430	425	422	428	436	447	443	442
12	430	434	439	441	441	442	442	438	437	434	437	441	442	442	444	444	438	428	429	432	433	431	434	438	437
13 Q	442	443	446	445	441	441	440	439	442	442	444	443	446	442	443	448	439	435	433	430	439	447	444	444	442
14	445	441	443	443	441	444	446	441	438	441	440	442	441	442	443	441	432	425	420	419	424	433	440	441	438
15	444	452	450	454	454	454	454	452	449	448	447	451	452	451	450	445	432	421	419	417	417	415	423	432	441
16 D	439	434	426	432	436	435	432	433	425	421	429	428	430	447	444	440	419	427	411	390	377	380	394	391	422
17 D	393	397	406	406	401	415	423	422	421	421	426	429	428	430	432	433	428	419	405	397	398	406	416	422	416
18	424	421	427	430	435	432	434	423	430	431	433	435	437	438	436	441	441	434	423	413	412	414	417	421	428
19	434	440	446	448	446	444	443	439	437	438	443	443	444	443	444	440	442	434	418	411	409	407	413	425	435
20	433	431	434	434	439	439	437	439	440	443	443	443	447	441	456	453	452	442	434	418	412	425	435	437	438
21	440	444	444	444	438	436	439	442	438	440	441	442	444	439	446	446	438	425	415	410	415	422	429	433	435
22	430	437	438	439	439	440	438	437	441	445	443	446	449	446	446	444	438	431	426	422	424	431	439	438	438
23	438	441	436	429	436	436	440	442	440	443	444	447	450	447	448	447	446	443	434	429	427	432	435	435	439
24	437	439	442	444	443	438	439	432	427	433	437	443	444	448	444	447	446	444	436	429	421	419	427	432	437
25 Q	441	445	444	445	443	438	442	442	444	443	444	443	447	449	449	448	446	437	430	423	420	428	438	444	441
26 Q	449	446	444	442	447	444	445	443	446	442	444	446	449	449	449	446	440	428	422	424	425	434	440	444	441
27	444	440	442	442	451	447	447	448	450	444	445	449	450	452	452	452	448	442	433	426	427	428	435	440	443
28	444	444	448	452	451	449	448	449	450	452	453	452	455	455	460	461	456	445	436	424	437	443	444	439	448
29	434	443	445	448	444	441	430	428	442	437	444	443	447	446	448	447	443	432	429	430	433	439	449	451	441
30 D	440	450	456	450	446	432	442	443	442	448	452	449	452	451	456	457	445	435	431	435	437	434	447	441	445
31	437	432	424	440	446	447	444	443	442	443	445	446	447	448	448	449	446	432	425	419	422	424	430	439	438
MEAN	437	439	439	440	441	439	439	439	439	439	441	442	444	444	445	446	441	434	427	422	423	427	433	435	437

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 2 VICTORIA D = 22 DEG 00.0 MIN EAST + JANUARY 1970

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	25.2	25.9	26.3	26.6	26.4	26.3	25.7	26.5	25.9	26.3	26.0	25.8	25.5	28.4	26.9	28.0	27.6	23.2	26.4	27.9	26.6	24.7	24.0	23.3	26.1
2 D	24.8	25.8	26.3	27.2	33.8	29.9	27.9	35.1	28.5	30.3	27.4	24.5	26.4	25.7	29.0	25.5	28.1	29.9	28.9	28.2	26.5	24.8	24.1	27.2	27.7
3	27.1	27.7	27.9	30.0	27.1	26.5	27.4	28.4	27.0	26.2	27.1	25.5	25.1	24.6	25.6	27.6	29.2	30.3	30.0	29.4	27.5	26.4	25.9	25.6	27.3
4 Q	25.6	25.9	26.5	26.6	26.5	26.2	26.8	26.1	26.7	25.9	26.6	25.8	26.6	26.3	26.5	26.9	28.0	28.5	29.5	29.6	26.8	25.4	25.7	25.4	26.7
5	26.3	26.3	26.7	27.1	26.7	26.3	25.8	26.2	26.6	27.4	26.9	28.8	28.4	27.8	26.6	27.3	28.4	28.9	28.5	27.0	24.6	24.1	24.3	24.5	26.7
6	25.5	25.5	25.8	26.0	26.4	26.9	26.7	26.6	26.9	26.3	26.5	26.4	25.0	26.5	25.9	27.2	28.6	29.9	28.3	27.1	26.3	25.6	25.2	24.9	26.5
7	25.9	25.5	26.2	26.2	26.1	26.1	26.4	26.3	25.7	26.2	26.4	26.4	26.8	27.1	26.8	26.8	28.1	28.1	27.0	22.0	22.2	22.7	26.6	26.8	26.0
8	27.2	26.9	26.6	26.7	26.6	26.0	26.4	26.1	26.0	26.5	26.5	28.3	27.9	29.1	28.6	28.4	29.3	28.1	26.3	24.9	24.3	24.3	24.6	24.5	26.7
9 D	24.9	26.3	26.1	26.9	27.3	25.3	25.2	25.2	26.8	26.3	26.2	27.3	27.8	27.7	27.2	29.1	29.2	27.0	24.2	23.7	24.3	24.7	24.9	25.1	26.2
10	25.7	26.7	28.4	27.6	27.3	26.6	26.1	25.9	25.6	25.6	25.9	25.9	27.0	27.6	28.5	29.0	29.1	28.9	27.8	26.6	24.9	24.1	24.4	25.0	26.7
11 Q	25.3	25.5	26.0	26.4	26.8	26.8	26.1	25.4	25.3	25.5	26.0	26.2	26.2	27.6	28.1	29.2	29.7	29.6	28.0	26.0	24.2	23.7	23.4	23.8	26.3
12	25.1	26.2	26.2	27.5	27.1	26.6	26.6	27.0	27.0	27.0	27.1	28.4	27.7	27.6	28.3	29.0	30.9	30.3	27.4	25.6	24.6	24.0	23.7	25.5	26.9
13 Q	26.3	26.1	26.5	26.4	26.3	26.5	26.8	26.5	26.1	25.9	26.2	26.4	26.4	27.3	26.5	26.8	28.2	28.8	27.5	26.3	24.7	24.0	24.9	26.3	26.4
14	26.0	26.2	25.5	26.3	27.0	26.1	26.3	26.1	25.9	25.9	26.5	26.9	27.6	27.7	28.6	30.0	30.6	30.2	29.0	27.3	26.2	24.2	23.1	23.6	26.8
15	23.7	24.2	24.8	26.4	26.1	25.8	25.4	26.2	26.3	25.8	25.8	26.1	26.4	26.8	27.4	28.3	30.8	31.8	30.1	28.1	26.3	24.6	23.8	23.3	26.4
16 D	23.5	24.3	26.2	25.6	27.1	27.7	28.0	28.9	31.3	30.0	26.4	29.8	32.6	30.9	27.2	24.4	25.0	22.4	26.2	26.2	25.0	22.0	21.6	21.6	26.4
17 D	22.9	23.9	24.6	26.1	31.6	29.1	28.5	27.3	28.5	28.3	28.2	27.6	27.6	27.2	27.2	27.4	29.7	31.5	31.1	29.0	27.1	24.8	24.4	24.8	27.4
18	24.7	24.8	25.4	25.2	25.4	25.7	26.3	26.2	25.6	25.9	25.7	25.4	26.7	25.8	26.1	25.9	26.7	28.9	30.1	28.6	27.2	25.9	25.1	24.1	26.1
19	24.8	25.0	25.0	25.4	26.2	26.3	26.2	26.2	26.3	26.1	26.6	26.9	27.2	27.2	26.6	24.6	28.8	31.1	30.5	28.9	27.1	24.9	23.4	22.3	26.4
20	24.4	25.3	26.3	26.1	26.7	26.2	25.9	25.7	25.7	26.9	27.7	27.9	27.4	25.3	25.3	29.4	31.1	31.4	30.6	29.2	24.5	22.0	23.7	25.0	26.7
21	25.9	26.0	26.2	26.1	26.6	26.3	27.5	26.0	26.7	27.6	27.6	26.8	27.7	25.9	24.2	27.9	29.4	30.0	30.0	27.3	24.8	23.8	24.0	24.5	26.6
22	26.0	25.6	25.9	26.1	26.3	26.2	25.9	25.9	25.9	26.0	25.7	26.0	26.7	27.6	27.8	28.6	30.1	30.3	29.5	27.8	25.3	23.8	24.3	25.3	26.6
23	25.4	25.8	26.0	26.4	25.9	25.9	27.1	27.2	26.0	25.9	26.5	26.2	26.2	26.5	26.5	27.3	28.0	28.1	27.9	27.1	26.0	24.6	24.7	24.8	26.3
24	25.5	25.8	26.3	26.0	26.2	26.0	25.8	26.9	28.1	28.7	22.6	27.8	29.7	29.2	28.2	27.8	29.0	29.6	28.5	27.8	26.4	24.3	23.3	24.4	26.8
25 Q	25.6	26.1	26.4	26.5	26.6	26.9	26.1	25.9	25.7	25.7	25.7	25.9	26.3	26.3	26.6	27.4	28.8	29.1	28.9	26.9	25.1	23.7	23.9	24.8	26.3
26 Q	25.2	25.5	26.2	26.6	26.7	26.3	26.2	26.1	25.4	25.2	25.8	26.3	26.9	27.0	27.2	28.2	30.9	31.1	30.0	27.8	26.0	24.4	24.6	25.2	26.7
27	25.5	25.5	25.8	26.2	26.4	26.2	26.2	26.1	26.1	25.9	26.2	26.0	27.5	28.1	28.7	29.7	30.1	28.7	27.8	25.5	22.3	20.9	21.6	22.6	26.1
28	23.8	25.0	25.9	26.2	26.3	26.3	26.1	25.8	26.1	25.6	26.0	26.3	26.4	26.4	27.2	28.8	31.2	31.6	30.5	26.7	24.6	23.9	24.5	25.1	26.5
29	25.1	25.6	25.7	26.0	26.5	26.1	27.2	25.6	27.0	26.5	25.7	26.0	26.3	26.8	27.1	27.9	29.4	29.7	29.2	27.5	25.9	24.6	24.4	24.3	26.5
30 D	24.9	25.2	26.0	26.7	27.3	27.3	30.4	27.8	26.3	25.5	24.5	27.0	28.4	27.2	27.4	27.9	28.4	31.6	30.7	25.4	25.0	24.3	23.1	23.8	26.8
31	24.3	24.2	25.1	26.1	26.6	26.7	26.7	26.4	26.4	26.5	26.6	25.9	26.6	26.5	26.7	27.6	30.0	31.7	31.2	28.6	27.3	26.0	25.1	23.9	26.8
MEAN	25.2	25.6	26.1	26.5	27.0	26.6	26.6	26.7	26.6	26.6	26.3	26.7	27.1	27.2	27.1	27.7	29.1	29.4	28.8	27.1	25.5	24.2	24.2	24.6	26.6

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 3 VICTORIA Z = 53,000 GAMMA + JANUARY 1970

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	123	125	124	123	121	122	122	121	122	122	122	123	120	113	117	119	121	117	115	114	109	109	111	114	119
2 D	118	121	122	126	135	128	127	111	66	99	113	100	64	71	92	92	90	108	119	115	121	126	126	128	109
3	132	132	131	129	128	127	125	120	111	112	112	115	119	120	123	125	126	123	122	123	121	125	128	127	123
4 Q	127	125	125	124	125	123	124	123	123	122	120	120	120	121	123	124	125	124	125	122	116	113	115	118	122
5	121	122	122	124	123	123	122	121	122	121	118	118	120	120	119	121	122	120	120	112	104	105	107	110	118
6	115	119	121	121	121	123	122	121	122	121	121	118	116	115	118	121	124	126	125	127	123	122	120	118	121
7	119	120	122	122	123	121	122	121	122	122	121	120	118	117	118	118	119	118	116	117	115	112	112	116	119
8	118	120	120	120	120	122	124	124	124	124	122	120	121	119	119	118	117	111	111	114	113	116	116	116	119
9 D	114	117	122	121	121	120	120	124	123	124	127	124	123	121	119	119	115	114	114	117	117	117	117	116	119
10	117	121	124	123	121	120	120	121	121	122	121	121	120	119	119	120	121	122	122	124	122	121	122	122	121
11 Q	118	119	119	119	121	120	119	120	119	120	120	119	118	118	117	116	115	113	112	113	116	117	117	114	117
12	113	121	122	122	122	122	122	121	124	123	123	123	121	120	119	118	118	116	115	115	114	112	110	115	119
13 Q	117	116	117	116	114	116	116	116	117	117	117	117	117	116	114	110	108	111	112	113	112	112	110	112	114
14	114	115	115	116	118	115	117	117	119	119	120	119	120	119	118	119	118	120	118	120	118	120	120	118	118
15	118	121	122	123	122	119	119	116	116	116	115	117	118	116	117	119	121	121	118	118	117	117	116	119	118
16 D	122	120	125	129	130	129	126	124	120	115	99	86	83	89	77	86	95	93	94	100	107	118	127	133	109
17 D	145	156	161	161	161	162	153	142	137	133	131	129	127	127	127	131	131	132	131	128	126	123	124	127	138
18	128	128	130	130	131	129	125	126	127	128	125	122	123	125	124	127	127	128	128	124	122	121	121	118	126
19	119	122	122	122	123	122	121	120	120	120	118	119	121	120	120	119	124	121	119	120	119	115	115	117	120
20	122	123	124	124	125	122	122	122	121	117	118	118	118	113	106	112	119	118	113	113	115	113	113	115	118
21	115	117	117	118	119	119	120	120	119	116	114	115	117	114	112	115	119	117	116	115	115	115	115	117	117
22	120	122	122	121	121	121	121	123	122	122	121	119	117	117	117	122	124	124	122	121	117	114	117	118	120
23	118	118	119	120	121	122	123	121	120	121	122	120	119	117	116	120	120	117	117	117	116	116	119	118	119
24	119	121	120	121	121	120	123	123	123	121	110	104	112	113	115	116	117	114	116	116	112	111	114	117	117
25 Q	119	121	121	120	121	121	122	122	122	122	121	121	121	119	120	119	121	118	118	115	116	120	124	122	120
26 Q	121	118	119	119	120	119	118	119	118	119	120	120	119	119	118	121	122	118	112	111	110	109	112	114	117
27	117	119	119	118	119	118	119	118	116	115	117	118	118	117	116	116	115	111	109	106	104	110	115	117	115
28	117	120	120	120	118	117	117	117	117	116	118	117	116	115	115	117	116	108	105	107	109	109	110	110	115
29	112	116	115	115	114	114	114	116	107	115	118	119	119	118	118	118	117	115	114	114	115	115	115	115	115
30 D	115	116	117	115	114	113	112	113	115	115	110	113	114	115	114	118	114	112	110	104	103	102	106	106	112
31	113	117	122	126	123	122	119	118	118	117	118	117	116	118	118	118	120	114	112	109	110	109	110	112	117
MEAN	120	122	123	123	123	122	122	121	118	119	118	117	116	116	116	117	118	117	116	116	115	115	116	117	118

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 4 VICTORIA H = 18,500 GAMMA + FEBRUARY 1970

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	441	445	441	444	438	444	452	448	449	448	449	450	453	455	456	456	454	446	440	437	439	440	441	430	446
2 D	447	451	447	449	440	444	441	442	450	452	442	438	437	445	449	450	449	439	427	415	417	431	426	401	439
3	428	436	443	435	442	439	442	442	443	442	444	445	443	444	445	444	444	439	435	431	431	434	438	438	439
4 D	440	444	446	445	446	444	444	447	439	427	441	442	448	446	449	449	441	423	423	434	431	431	438	430	440
5	430	435	430	428	435	447	441	440	441	439	441	441	442	434	439	440	438	435	434	433	434	430	425	424	436
6	434	440	442	442	442	444	441	440	442	440	443	446	446	445	442	438	438	438	439	436	438	439	435	435	440
7 Q	443	446	449	447	447	447	444	446	445	445	447	446	447	447	443	438	432	429	425	423	426	431	438	446	441
8 Q	447	447	448	449	450	450	448	448	450	449	450	454	455	454	452	446	437	426	420	416	416	421	429	438	442
9	444	448	451	448	450	448	443	446	448	447	449	452	455	454	451	448	440	430	423	422	424	423	429	442	442
10	452	455	453	452	450	447	446	446	447	450	452	453	455	456	459	455	456	443	436	422	414	412	416	427	444
11 Q	441	446	450	451	451	446	446	446	446	442	444	446	449	449	449	446	442	436	422	410	407	398	411	428	438
12	440	446	452	453	453	450	451	448	449	450	451	453	454	452	453	452	447	433	414	401	400	409	424	433	440
13	440	448	453	459	459	453	456	454	457	453	456	459	461	464	463	461	456	446	429	418	419	422	432	439	448
14 D	445	449	448	429	430	427	436	439	443	446	442	450	447	452	449	454	453	449	437	429	426	430	432	437	441
15	439	439	438	433	437	432	432	433	439	440	446	451	450	451	449	446	443	436	434	422	423	432	445	445	439
16	447	447	450	451	451	451	450	447	446	446	451	447	456	455	458	452	452	447	444	438	433	434	433	436	447
17	443	448	451	453	454	451	451	451	452	452	454	448	453	455	458	455	444	423	411	401	412	415	420	423	441
18	427	431	438	442	433	440	439	442	443	448	446	448	449	444	439	446	440	426	415	409	411	421	424	425	434
19	431	436	446	448	450	449	447	450	447	448	449	450	450	451	449	448	442	433	426	419	424	432	436	436	442
20	439	445	451	449	452	450	452	451	451	450	451	453	455	454	452	451	447	438	429	426	429	435	441	445	446
21 Q	445	450	452	453	452	450	447	448	452	452	455	455	456	457	453	451	442	435	426	421	423	430	437	442	445
22 Q	445	447	453	454	454	453	452	453	452	452	455	457	457	457	456	455	451	442	435	425	425	430	434	438	447
23	440	448	455	455	456	454	456	456	456	457	459	456	461	459	459	457	450	441	434	430	438	444	455	455	451
24 D	456	455	453	450	449	452	452	446	447	454	456	460	463	465	473	460	444	452	441	423	411	410	419	429	447
25	438	443	446	447	448	451	446	448	450	452	451	450	454	454	456	452	449	449	439	428	420	422	429	437	444
26	439	437	437	437	435	433	427	422	426	425	433	432	436	445	439	440	436	420	408	394	390	395	407	417	425
27	428	431	435	435	436	437	437	431	431	433	435	436	444	445	445	446	442	434	428	419	413	402	410	415	431
28 D	420	419	422	431	443	441	439	433	428	437	442	442	444	445	449	446	441	426	416	412	410	411	421	434	431
MEAN	440	443	446	445	446	446	445	444	445	446	448	449	451	451	451	449	445	436	428	421	421	424	429	433	441

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 5 VICTORIA D = 22 DEG 00.0 MIN EAST + FEBRUARY 1970

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	24.8	24.8	26.2	26.2	28.5	27.1	25.9	25.8	25.9	25.7	25.7	26.1	25.9	26.3	26.6	27.4	30.4	31.1	30.3	28.6	27.1	25.2	23.7	21.6	26.5
2 D	21.7	24.9	25.1	25.0	28.3	26.3	26.2	26.7	27.5	27.0	31.0	28.9	27.2	25.8	28.1	29.1	29.6	29.5	28.6	26.0	24.3	25.9	23.0	23.8	26.6
3	23.8	23.2	26.5	26.4	26.9	26.4	26.6	26.6	26.6	26.3	26.4	26.6	25.4	26.9	27.1	27.2	29.2	29.5	28.9	27.2	25.8	25.4	26.1	25.7	26.5
4 D	24.9	24.7	25.1	25.4	25.9	25.7	26.0	25.9	27.3	26.1	27.3	28.3	24.7	22.0	27.9	28.7	27.5	26.8	26.4	24.3	24.3	25.7	26.8	25.9	26.0
5	25.1	24.2	24.8	25.8	27.3	26.6	25.0	25.4	26.2	26.2	26.6	26.6	26.8	24.4	23.1	28.0	27.7	27.9	26.6	24.8	24.3	23.2	23.7	24.0	25.6
6	24.6	24.6	25.5	26.0	26.6	25.7	25.7	25.3	24.0	25.8	25.9	26.2	26.6	26.4	26.8	26.9	27.6	27.5	26.4	24.8	24.4	24.6	25.9	25.6	25.8
7 Q	25.3	25.1	25.5	25.7	26.1	26.0	25.9	25.7	25.6	25.7	26.1	26.5	26.9	26.8	27.5	28.5	30.2	31.0	28.8	25.9	24.4	23.5	23.5	24.6	26.3
8 Q	25.0	24.6	25.0	25.6	25.8	25.7	25.6	25.2	25.2	25.1	25.5	25.7	26.3	26.7	27.1	28.2	29.7	28.6	26.9	25.1	24.1	23.7	23.5	23.8	25.7
9	24.2	24.2	25.3	25.5	25.9	25.6	26.2	26.3	25.3	25.5	25.8	26.1	26.3	27.1	28.0	29.3	31.4	32.0	30.2	27.4	24.7	23.7	24.3	24.3	26.4
10	23.9	24.0	24.5	25.2	25.8	25.7	25.3	24.9	25.2	24.6	24.8	25.1	25.5	25.6	26.1	25.3	25.7	27.7	24.9	25.8	25.1	24.8	23.9	23.0	25.1
11 Q	23.2	23.7	24.2	24.7	25.2	25.7	25.5	25.2	25.3	25.3	25.2	25.3	25.6	26.0	26.7	27.5	28.7	30.2	28.7	26.5	25.0	23.8	22.9	22.2	25.5
12	23.0	23.8	24.4	24.7	25.2	25.4	25.7	25.4	25.5	25.3	25.2	25.7	26.1	26.1	27.0	28.1	30.3	30.8	29.1	27.3	25.7	24.5	23.5	23.2	25.9
13	23.4	23.1	23.8	24.1	24.5	25.5	25.1	25.1	25.0	25.1	25.3	25.3	25.4	25.4	27.2	28.6	30.1	30.5	29.0	26.6	24.6	23.2	23.0	22.9	25.5
14 D	23.1	23.6	24.1	25.0	24.5	25.3	25.5	25.6	26.1	24.9	26.0	28.5	26.8	25.3	23.4	22.6	25.2	25.6	27.7	26.7	24.9	24.2	24.8	24.9	25.2
15	24.1	24.1	24.3	24.6	25.4	26.5	26.5	26.3	26.7	25.9	25.1	24.8	26.9	26.6	26.4	26.5	28.7	28.6	26.3	25.5	24.3	23.8	23.0	23.4	25.6
16	24.7	24.1	24.3	24.6	24.7	24.8	25.0	26.3	27.4	26.6	26.4	24.8	24.6	26.0	26.4	27.0	27.2	26.3	25.6	25.4	24.9	24.0	25.4	24.2	25.4
17	23.6	23.5	24.2	24.6	25.2	25.2	25.5	25.2	25.3	25.5	27.6	28.0	27.7	27.1	27.3	27.3	29.0	30.2	28.4	20.6	21.4	24.1	25.4	25.6	25.7
18	24.5	23.0	24.1	24.6	27.2	25.6	25.5	25.9	25.2	25.8	27.2	26.8	26.6	25.2	23.2	25.7	30.2	29.4	28.1	26.1	24.5	23.8	23.6	24.3	25.7
19	24.5	24.3	24.5	24.6	25.0	25.0	25.3	25.2	24.8	24.6	25.3	24.5	24.5	25.7	26.2	27.2	28.8	29.1	28.5	26.3	23.6	22.5	23.2	23.7	25.3
20	23.4	23.5	24.0	24.3	24.7	25.0	25.1	24.8	25.1	25.0	25.6	25.5	26.0	26.5	25.5	27.0	28.7	28.9	27.9	25.7	23.9	22.9	22.8	23.5	25.2
21 Q	24.0	23.9	23.9	24.6	25.1	25.0	25.0	24.7	24.5	25.5	25.8	25.7	25.9	25.9	26.6	27.3	28.9	28.9	27.8	26.0	24.1	22.5	22.3	22.6	25.3
22 Q	23.2	23.2	23.9	24.4	24.6	24.8	24.8	24.8	24.9	25.1	25.3	25.1	25.4	25.7	26.4	27.6	29.6	30.3	28.9	24.7	20.6	20.0	21.2	22.1	24.9
23	23.4	23.4	24.4	24.6	24.7	24.8	25.0	24.7	24.5	24.5	24.8	25.0	25.6	25.8	26.3	27.6	29.3	31.0	29.6	27.2	25.2	23.8	23.2	23.5	25.5
24 D	23.8	23.8	24.8	25.0	25.1	25.1	24.8	25.8	26.0	24.7	24.7	25.1	25.4	25.3	25.8	26.4	20.3	25.6	26.8	27.5	25.5	23.9	23.6	23.8	24.9
25	24.5	24.4	24.4	24.4	25.0	25.0	24.8	25.3	25.1	25.1	25.5	25.7	26.1	26.2	26.8	27.4	27.9	29.2	29.9	28.3	25.8	24.3	23.5	23.2	25.7
26	23.8	23.8	24.1	24.0	24.2	25.0	25.6	28.3	28.9	29.8	30.5	31.6	30.7	30.1	30.1	25.3	30.7	31.3	30.3	28.4	26.3	24.2	23.9	23.3	27.3
27	24.0	24.4	25.0	25.2	25.4	25.1	25.0	25.0	25.6	27.2	27.9	28.4	26.6	25.5	26.0	27.5	28.6	27.4	28.2	28.0	25.1	22.2	19.9	19.9	25.5
28 D	21.0	20.8	22.6	24.7	25.6	25.8	26.0	25.0	27.9	26.7	26.7	30.4	31.0	30.4	28.4	28.3	32.1	31.1	28.6	26.7	24.0	22.1	21.5	19.2	26.1
MEAN	23.9	23.9	24.6	25.0	25.7	25.5	25.5	25.6	25.8	25.7	26.3	26.5	26.4	26.2	26.6	27.3	28.7	29.1	28.1	26.2	24.6	23.8	23.6	23.5	25.7

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 6 VICTORIA Z = 53,000 GAMMA + FEBRUARY 1970

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	113	116	118	120	120	122	120	116	117	116	117	117	118	118	118	119	123	120	116	113	109	105	108	107	116
2 D	114	116	117	121	123	126	126	124	124	119	111	92	81	97	110	116	118	114	112	110	110	116	114	114	114
3	124	123	123	121	124	123	122	120	119	117	118	110	110	112	116	117	120	114	112	109	108	111	113	111	117
4 D	109	110	114	114	116	115	116	116	117	115	115	116	112	94	95	106	109	103	106	109	109	110	110	110	110
5	113	115	116	119	122	123	121	119	118	117	116	114	113	109	98	109	115	114	113	111	111	109	110	114	114
6	116	116	116	117	118	118	118	119	116	116	117	116	116	114	115	116	119	118	115	113	114	113	113	111	116
7 Q	111	112	113	112	114	115	116	116	116	116	115	115	115	113	114	116	119	116	111	107	111	115	117	117	114
8 Q	116	115	114	113	114	114	114	115	115	115	114	114	114	111	113	113	117	114	112	109	114	115	115	116	114
9	114	115	115	114	114	115	115	116	117	116	117	115	115	113	113	114	116	112	106	103	105	105	109	112	113
10	112	110	110	112	110	111	112	112	113	114	114	114	114	112	113	112	113	103	97	94	94	99	106	111	109
11 Q	115	115	114	114	114	113	113	113	114	113	113	115	116	115	114	115	116	109	103	101	104	105	110	112	112
12	116	116	116	115	114	114	113	113	113	113	114	113	115	112	113	114	117	113	111	111	109	108	110	111	113
13	114	116	116	116	116	114	113	113	114	113	113	113	114	110	105	109	113	107	102	100	100	105	108	111	111
14 D	111	111	113	114	117	120	122	118	115	113	109	94	104	109	107	107	112	113	110	103	104	107	110	112	111
15	111	113	114	115	117	117	117	114	116	116	108	98	112	114	114	116	116	113	106	101	102	109	108	106	111
16	108	109	112	112	113	113	113	113	113	113	112	111	108	106	103	102	105	104	95	94	98	99	102	102	107
17	105	110	112	113	113	112	112	112	111	111	108	106	109	111	112	118	116	115	108	109	113	113	114	113	112
18	115	118	119	119	120	123	120	119	115	115	115	117	114	112	104	108	113	108	98	96	100	103	107	109	112
19	112	113	116	115	116	116	116	114	113	112	114	111	109	110	112	114	116	114	109	104	105	106	108	108	112
20	111	113	113	114	114	114	114	113	114	112	112	113	112	112	112	112	113	110	109	110	110	110	110	110	112
21 Q	109	111	112	112	113	113	112	113	113	113	113	112	113	112	112	113	111	110	105	104	105	110	112	113	111
22 Q	113	113	114	114	114	113	113	113	114	112	113	112	112	110	112	115	118	116	109	100	102	106	107	110	111
23	112	112	113	113	112	112	113	112	113	111	112	109	110	110	109	113	115	113	108	105	106	106	109	109	111
24 D	106	106	107	108	108	110	110	110	110	111	110	110	110	110	109	113	109	101	98	93	98	104	110	113	107
25	115	111	111	111	111	112	112	114	112	113	112	112	113	112	112	115	118	117	111	104	104	106	107	109	111
26	108	110	111	112	113	116	117	117	119	118	112	106	99	85	89	91	109	118	112	111	118	119	120	120	110
27	122	120	122	120	119	118	118	121	119	118	114	112	114	112	112	116	118	116	111	106	106	106	112	118	115
28 D	125	127	139	136	133	131	130	130	133	133	127	108	104	104	114	118	119	111	105	102	103	105	113	119	120
MEAN	113	114	115	116	116	117	116	116	116	115	114	111	111	109	110	112	115	112	108	105	106	108	110	112	112

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 7 VICTORIA H = 18,500 GAMMA + MARCH 1970

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	410	426	439	435	433	435	429	425	418	429	433	446	436	444	439	431	424	417	402	397	398	412	422	431	425
2	431	416	409	428	419	400	419	435	441	431	426	446	441	442	446	445	440	431	421	409	401	405	418	422	426
3	425	439	444	443	443	440	438	439	439	447	449	449	450	451	448	449	438	415	401	395	389	393	408	419	431
4	430	436	427	435	440	445	442	443	446	447	453	429	447	446	434	433	426	416	397	388	385	379	391	409	426
5	424	430	435	440	443	445	447	444	451	450	455	452	454	452	455	456	452	433	398	396	391	388	403	409	433
6 D	415	413	426	432	438	441	441	433	436	423	418	437	449	447	453	448	430	406	401	380	363	358	372	392	419
7 D	419	419	432	419	409	427	429	431	423	415	408	412	441	443	429	433	439	404	363	399	415	409	422	419	419
8 D	412	423	420	405	385	390	387	364	375	377	408	412	428	399	314	245	360	433	272	169	205	324	329	346	358
9 D	349	344	343	340	349	359	373	368	367	373	378	370	365	348	372	358	330	321	378	370	361	354	355	361	358
10	383	400	410	409	412	411	413	413	421	414	414	414	418	419	419	419	418	404	386	375	367	375	385	397	404
11	408	415	418	422	424	423	423	423	427	426	430	429	430	429	427	432	430	420	400	385	379	385	399	408	416
12	423	426	430	422	425	425	426	423	427	437	433	440	442	439	440	438	434	428	419	415	409	412	420	425	427
13	429	436	436	438	439	438	435	442	440	440	441	441	443	439	441	447	445	430	412	389	383	394	407	417	429
14	428	431	431	436	440	440	442	444	439	442	444	445	445	444	443	444	440	434	419	406	399	402	411	420	432
15	430	434	434	434	427	420	430	435	439	441	447	446	446	446	443	440	444	434	417	408	406	410	417	426	431
16 Q	435	439	441	444	443	446	446	448	449	446	453	449	450	452	448	447	446	433	416	404	402	407	420	432	437
17	444	448	450	451	449	449	450	453	457	459	460	462	464	463	459	458	455	440	426	417	414	413	420	423	445
18	432	441	445	448	448	448	449	450	453	453	455	453	441	447	449	444	438	433	426	418	416	420	423	427	440
19	433	440	443	446	449	447	446	444	449	450	451	453	456	453	454	456	456	448	437	427	414	411	413	427	442
20	439	444	447	446	446	444	448	448	449	449	452	453	454	449	452	452	445	432	420	405	407	412	421	431	439
21 Q	436	439	438	439	444	446	447	448	451	448	450	451	453	455	454	451	445	436	428	423	420	422	430	438	441
22 Q	440	446	447	450	448	450	450	451	450	452	453	455	454	455	453	450	447	437	429	423	423	423	429	435	444
23	444	447	446	451	452	453	455	455	446	457	454	459	461	456	455	458	455	447	431	420	415	413	421	431	445
24 Q	440	448	449	450	451	451	451	451	457	458	460	460	460	466	469	463	460	447	432	424	423	422	421	433	448
25 Q	443	447	452	453	454	451	454	452	456	461	464	465	466	463	464	464	462	449	435	426	422	420	427	433	449
26	444	451	453	451	446	443	450	450	454	457	463	465	465	464	462	454	452	445	438	433	432	431	432	434	449
27	444	451	452	452	454	453	458	473	482	463	477	497	485	473	467	456	447	437	433	429	425	427	410	409	452
28	418	428	423	416	427	428	432	438	446	446	404	422	448	445	439	432	432	426	418	406	406	415	417	412	426
29	413	436	433	430	420	427	433	448	432	439	440	446	436	449	445	437	443	427	410	404	400	411	428	436	430
30	418	442	444	439	440	440	427	441	449	444	444	441	445	443	440	431	424	424	415	412	405	403	421	427	432
31 D	436	441	440	445	434	455	444	421	418	418	406	418	442	434	407	441	460	437	406	396	389	398	401	397	424
MEAN	425	431	433	434	433	435	436	437	438	438	439	442	446	444	439	436	436	427	409	398	396	402	409	417	428

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 8 VICTORIA D = 22 DEG 00.0 MIN EAST + MARCH 1970

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	20.4	20.8	21.9	20.6	22.0	24.0	26.3	32.3	28.1	31.2	33.0	29.9	29.3	29.8	16.8	24.0	32.2	33.3	32.7	29.1	25.8	22.5	20.8	19.9	26.1
2	21.3	22.0	24.5	23.3	24.8	28.5	26.8	27.4	30.2	29.3	26.1	23.6	26.3	27.4	27.3	28.8	31.9	32.9	32.3	29.9	26.5	23.9	21.2	20.8	26.5
3	22.5	23.3	24.3	24.5	25.1	25.3	26.0	25.6	21.9	24.1	26.7	26.5	26.6	27.1	26.6	28.2	31.5	33.5	30.8	28.0	24.8	22.0	22.4	22.1	25.8
4	21.8	23.0	23.6	24.0	24.8	25.0	25.5	25.4	22.3	23.5	27.6	25.1	20.4	25.1	21.7	23.4	28.0	30.6	27.6	25.4	23.4	22.3	21.4	21.7	24.3
5	21.3	21.6	23.1	24.1	24.9	25.1	25.7	25.5	26.2	25.6	26.1	26.4	27.1	27.7	28.8	30.1	32.3	35.4	32.8	27.8	26.7	23.3	21.7	19.2	26.2
6 D	18.9	19.1	22.7	24.4	25.9	26.0	25.8	26.7	33.2	30.6	19.7	26.7	26.2	26.2	24.9	24.6	25.7	27.5	25.4	26.4	23.4	20.3	21.1	21.4	24.7
7 D	23.6	20.1	27.9	21.5	23.5	25.8	25.6	23.6	25.9	29.9	35.7	30.0	25.0	26.8	21.8	12.5	23.7	31.9	27.6	16.6	24.2	24.3	22.3	22.4	24.7
8 D	23.4	23.6	26.2	27.7	30.3	34.3	35.7	31.6	33.0	41.2	36.5	31.4	29.0	22.1	-16.0	14.5	36.2	35.5	37.5	31.8	35.3	33.9	18.4	19.9	28.0
9 D	26.0	27.6	27.9	34.1	25.0	26.1	28.1	28.3	28.3	26.9	23.7	24.6	22.4	17.4	24.4	25.2	21.5	28.1	30.5	31.6	28.1	26.0	24.2	24.1	26.3
10	22.7	22.9	24.3	25.0	25.7	26.2	26.3	26.5	27.6	25.9	26.1	24.7	25.6	26.5	27.6	28.6	30.3	32.7	31.8	30.0	27.0	24.0	22.5	21.6	26.3
11	22.6	23.3	24.6	24.9	25.0	25.1	25.5	25.1	25.4	25.1	25.1	25.1	25.6	25.6	25.9	28.3	30.9	32.2	32.9	31.0	26.7	22.9	20.9	20.9	25.9
12	22.0	23.3	24.8	25.6	25.5	25.7	26.2	26.8	27.3	25.5	26.9	27.9	26.1	26.1	27.3	29.1	31.9	32.6	31.4	28.2	24.9	22.4	21.3	21.3	26.3
13	22.5	22.9	24.0	24.3	24.7	24.7	25.7	28.4	25.4	25.2	20.8	27.0	25.7	24.3	22.8	26.0	29.1	32.1	32.7	30.0	25.3	23.9	22.6	22.0	25.5
14	22.7	23.5	24.0	24.5	25.0	24.7	25.1	25.0	25.4	25.6	25.7	25.6	25.9	26.2	27.1	28.2	30.4	31.4	31.2	28.6	25.9	24.2	23.2	21.9	25.9
15	22.4	23.1	24.5	24.6	24.9	25.8	27.9	26.5	25.5	25.0	23.5	25.1	25.8	25.6	25.6	24.8	28.5	32.4	32.3	28.4	24.9	23.2	22.2	22.2	25.6
16 Q	22.3	23.0	23.6	24.3	24.7	24.8	25.0	25.1	25.3	25.6	25.9	25.4	25.7	25.8	26.5	28.1	30.9	31.8	30.4	27.3	24.5	22.7	21.9	21.4	25.5
17	22.0	22.3	23.2	23.5	24.1	24.2	24.8	24.6	25.0	25.0	25.3	25.7	25.4	25.4	27.0	30.0	30.9	32.7	30.0	28.4	27.0	25.2	24.1	23.4	25.8
18	23.2	23.0	23.4	23.9	24.4	24.7	24.9	24.7	25.2	25.3	27.1	27.8	29.8	27.8	27.8	28.9	29.7	29.5	28.2	25.5	23.4	21.5	21.2	22.0	25.5
19	22.5	23.2	24.0	24.1	24.2	24.6	24.7	26.8	27.0	26.0	25.8	25.6	25.0	24.7	26.8	28.4	29.3	29.0	29.0	27.4	25.8	23.1	22.5	22.4	25.5
20	22.8	23.0	23.5	24.0	24.6	24.6	24.8	24.9	25.3	25.2	25.6	25.6	25.8	26.9	27.5	29.2	31.1	32.4	30.0	27.4	24.9	22.3	21.1	20.5	25.5
21 Q	21.0	21.3	22.3	23.5	24.2	24.7	24.8	24.7	25.0	25.4	25.6	25.5	25.6	25.6	26.2	26.5	27.7	29.1	28.0	25.4	23.3	22.1	21.6	21.3	24.6
22 Q	22.2	22.3	23.2	23.8	24.3	24.6	24.8	25.6	25.8	25.4	25.6	24.4	26.2	26.7	27.9	29.0	31.1	32.0	31.4	28.0	24.7	21.6	20.5	20.2	25.5
23	20.7	21.4	22.6	23.2	23.7	24.0	24.2	24.3	27.6	26.9	26.6	25.6	25.5	26.2	26.4	27.7	29.1	31.0	31.6	27.6	24.4	21.4	20.2	19.8	25.1
24 Q	20.4	21.8	23.1	23.7	24.3	24.4	24.4	24.7	24.7	25.1	25.3	25.4	25.8	26.0	27.3	29.1	31.1	32.4	32.0	28.5	25.0	22.7	21.4	20.3	25.4
25 Q	20.7	21.7	23.3	23.7	24.6	24.5	25.0	25.5	25.6	25.6	25.7	25.6	25.9	26.1	27.1	28.6	30.7	32.2	31.7	29.2	26.2	23.6	21.3	19.8	25.6
26	20.2	21.6	23.3	23.9	24.4	24.4	24.0	24.2	25.1	25.3	25.8	25.8	26.4	26.5	28.4	29.7	30.0	32.0	31.5	29.2	26.6	24.0	22.9	21.6	25.7
27	21.4	22.2	23.3	24.0	24.6	24.7	24.6	23.9	24.0	26.2	28.3	32.9	31.2	30.2	31.4	32.2	33.4	33.8	30.2	26.4	23.3	21.6	19.1	19.0	26.3
28	20.0	20.6	23.0	28.6	26.1	31.9	28.5	27.8	26.7	28.9	34.6	26.7	29.7	27.6	25.7	27.8	27.1	28.8	30.0	27.5	24.1	21.6	20.8	19.1	26.4
29	20.0	20.2	21.4	25.5	28.4	25.9	27.3	26.3	25.9	25.7	25.9	25.1	20.5	23.7	25.8	23.1	27.2	28.0	30.6	25.7	24.9	21.8	20.3	18.1	24.5
30	19.5	22.2	23.2	24.3	24.9	24.2	25.0	25.1	22.2	25.1	27.0	30.4	33.5	29.2	27.8	30.7	29.1	30.1	31.2	27.5	25.2	21.9	21.0	20.7	25.9
31 D	21.9	22.5	23.7	24.3	25.6	23.8	24.6	27.8	31.5	31.9	33.7	40.5	32.9	30.6	27.2	26.6	33.4	32.9	31.8	26.6	23.2	21.2	20.2	20.8	27.5
MEAN	21.8	22.3	23.8	24.6	25.0	25.6	25.9	26.2	26.4	26.9	27.0	27.0	26.5	26.2	24.8	26.8	29.9	31.6	30.9	27.8	25.5	23.1	21.5	21.0	25.7

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 9 VICTORIA Z = 53,000 GAMMA + MARCH 1970

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	121	124	130	132	135	141	145	146	134	101	75	88	103	92	75	64	102	118	119	118	117	124	130	132	115
2	131	131	142	141	143	144	147	140	128	99	88	88	105	118	123	127	127	123	119	116	111	113	116	120	123
3	121	123	126	125	123	125	124	124	113	104	114	118	119	119	118	120	122	120	117	112	110	109	117	118	118
4	122	125	125	130	128	127	127	126	116	93	92	80	62	71	77	82	91	104	101	100	101	103	105	117	104
5	122	121	122	122	124	123	123	122	122	121	120	118	116	116	116	120	123	121	113	113	110	110	110	112	118
6 D	118	123	138	131	129	126	122	121	116	100	65	82	106	112	113	115	115	115	115	104	109	117	134	152	116
7 D	166	149	154	144	151	144	135	127	107	95	76	67	82	104	98	74	84	99	93	103	105	108	112	123	113
8 D	130	139	143	148	163	178	180	121	84	69	36	27	55	45	-169	-245	-41	101	84	76	113	277	200	157	86
9 D	162	170	196	253	205	182	164	153	147	139	115	103	98	71	95	111	93	112	141	134	133	134	150	152	142
10	162	152	152	148	146	145	146	145	141	137	136	134	137	137	138	138	143	143	144	138	137	138	141	144	143
11	142	139	140	138	138	137	137	136	138	138	138	136	136	134	133	135	138	138	132	124	123	124	128	130	135
12	133	136	136	135	137	136	136	134	131	121	100	106	115	123	130	132	135	135	129	124	120	122	123	124	127
13	126	128	129	129	128	128	128	127	127	126	113	112	123	121	117	118	121	122	122	120	125	126	129	132	124
14	134	134	133	132	132	129	130	128	128	127	128	127	127	127	128	129	131	126	118	114	113	111	115	121	126
15	126	129	130	130	131	133	135	130	129	128	122	119	124	126	126	126	125	119	109	104	106	111	113	115	123
16 Q	121	125	128	127	127	126	124	124	124	124	122	123	124	124	125	129	132	127	120	115	117	116	115	116	123
17	119	120	124	123	123	122	122	123	123	121	122	121	122	119	120	125	126	118	118	117	113	110	113	116	120
18	119	122	124	124	124	123	123	122	122	121	118	107	104	116	121	123	123	123	122	116	109	108	115	119	119
19	123	124	126	126	124	124	122	121	122	122	120	121	120	117	121	124	127	125	119	111	111	112	116	117	121
20	119	122	124	123	123	121	122	121	119	119	119	117	114	114	120	123	127	125	119	116	116	116	117	119	120
21 Q	118	122	124	126	126	125	123	122	123	120	120	120	120	120	121	123	124	122	117	109	105	105	111	112	119
22 Q	113	115	118	121	120	121	120	120	119	119	118	113	112	115	117	121	123	119	112	106	104	104	107	107	115
23	109	113	116	119	119	120	121	120	121	116	113	116	117	117	117	122	123	121	117	111	104	103	106	111	116
24 Q	114	117	118	118	119	119	119	119	121	121	120	117	118	117	118	120	119	112	107	97	94	96	101	108	114
25 Q	112	115	118	119	118	118	118	118	121	120	120	118	116	115	117	119	121	117	109	105	104	102	103	106	115
26	111	115	119	117	118	117	120	119	121	120	118	117	115	114	117	119	119	111	107	105	101	104	103	106	114
27	111	113	116	116	117	116	116	118	118	115	114	112	112	110	114	112	112	109	102	97	96	100	101	110	111
28	117	124	130	136	136	134	122	125	124	94	67	32	83	94	91	93	107	110	112	109	113	121	127	133	110
29	133	139	143	147	148	142	137	111	109	123	124	121	107	105	112	99	101	100	101	108	108	111	118	124	120
30	130	135	129	126	124	126	131	134	105	110	110	93	82	96	114	118	118	117	114	109	108	114	121	121	116
31 D	124	128	128	131	132	133	128	107	86	105	43	58	98	100	49	64	84	95	100	106	115	116	124	135	104
MEAN	126	128	132	133	133	132	131	126	121	115	106	104	109	110	104	103	113	118	115	111	111	118	120	123	118

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 10 VICTORIA — H = 18,500 GAMMA + — APRIL 1970

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	423	428	426	423	427	429	431	433	435	435	440	440	441	440	443	442	439	428	418	413	412	410	423	433	430
2	434	439	440	440	440	439	445	441	448	445	445	448	449	448	444	445	442	429	414	408	402	399	411	430	434
3	444	439	440	448	439	438	446	448	457	447	446	450	452	444	450	453	446	433	421	413	413	421	428	438	440
4	443	449	435	440	447	447	451	441	437	458	459	454	459	459	455	454	448	440	436	427	418	416	422	432	443
5	450	456	458	456	456	457	459	461	460	460	460	465	466	469	471	465	458	451	442	431	428	431	443	456	455
6 D	458	453	447	448	432	438	420	425	446	447	422	412	439	451	446	443	440	435	421	417	411	413	416	445	434
7	455	451	450	453	449	447	441	447	442	444	452	452	452	451	451	448	442	432	426	428	428	428	433	442	444
8	452	432	445	446	438	441	450	452	453	462	452	452	453	449	454	452	443	430	415	408	407	414	423	439	440
9	455	457	453	450	460	456	451	456	475	452	465	471	458	449	456	458	446	439	421	416	422	423	428	443	448
10 Q	455	457	455	452	452	451	457	457	460	460	462	460	462	467	470	471	464	449	434	417	413	410	420	424	449
11	439	433	440	447	443	442	448	447	445	451	450	455	461	461	461	460	457	449	435	430	430	429	436	444	446
12	456	456	454	449	453	446	443	449	443	454	457	456	459	460	462	457	449	433	428	428	430	428	435	442	447
13 Q	451	454	454	452	452	453	456	457	459	459	461	457	459	466	471	468	459	444	436	431	430	431	436	446	452
14 Q	457	456	457	454	455	457	458	458	462	463	463	459	461	463	460	452	440	429	427	432	438	437	440	448	451
15 Q	453	454	457	457	462	462	465	469	473	473	470	465	468	467	470	461	444	425	428	437	441	441	445	462	456
16	457	455	448	454	439	440	465	447	452	452	451	450	453	448	449	449	444	438	437	423	402	403	422	440	442
17 D	444	453	436	442	411	427	438	441	454	449	447	440	439	424	428	436	427	406	387	420	414	406	417	425	430
18	434	439	445	442	443	447	451	453	460	459	438	418	412	433	455	437	417	402	397	401	412	407	408	421	430
19	425	452	436	425	425	430	430	420	412	438	430	426	456	452	449	439	423	411	406	411	422	432	441	444	431
20 D	448	443	440	435	435	432	439	444	448	449	456	465	453	441	464	445	436	418	438	432	425	422	420	428	440
21 D	439	439	439	441	426	403	413	411	407	394	353	356	316	400	364	318	306	279	297	316	339	375	420	496	381
22 D	487	431	409	428	444	396	411	409	418	432	429	427	431	432	429	429	423	415	402	397	397	403	411	425	421
23	436	438	428	427	435	432	427	429	439	437	438	444	434	427	427	425	420	407	391	403	413	419	429	434	427
24	428	442	421	419	429	433	429	432	435	438	444	441	451	446	443	424	429	415	410	413	409	415	429	447	430
25	451	444	445	441	442	443	435	444	437	429	434	434	449	445	445	444	441	422	407	398	402	423	434	440	435
26	452	442	442	435	436	441	445	449	450	453	455	452	451	447	461	460	449	430	417	397	399	416	427	437	439
27	448	433	435	438	443	459	445	442	449	449	450	447	450	446	447	449	446	431	422	422	424	422	432	437	440
28 Q	449	441	447	444	445	446	450	453	456	455	452	451	449	452	453	450	445	434	424	425	427	429	437	448	444
29	455	456	451	448	452	449	450	453	458	458	453	451	457	453	452	445	433	426	422	427	431	430	426	437	445
30	451	452	451	437	425	441	460	461	459	440	459	457	460	461	444	441	430	435	437	431	429	424	448	426	444
MEAN	448	446	443	442	441	441	444	444	448	448	446	445	447	448	449	444	436	424	417	415	416	419	428	440	438

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 11 VICTORIA D = 22 DEG 00.0 MIN EAST + APRIL 1970

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	22.2	23.8	25.0	26.8	26.4	25.5	25.8	25.5	26.4	25.7	25.3	25.1	25.0	25.7	27.0	28.8	30.5	31.8	31.2	28.2	25.8	23.5	21.4	20.7	26.0
2	21.8	22.0	23.0	23.7	24.4	24.8	24.7	25.0	25.1	26.1	25.9	26.2	25.7	25.7	26.6	30.0	33.2	34.5	33.5	30.5	27.4	23.8	21.8	20.9	26.1
3	20.5	21.5	22.0	22.0	24.2	21.8	23.3	24.0	26.6	27.1	25.1	25.4	26.9	28.6	29.0	30.9	32.9	32.8	32.3	30.3	26.5	24.1	21.9	20.5	25.8
4	21.4	22.3	23.7	23.8	23.8	24.4	24.5	29.0	24.7	26.7	25.4	25.4	22.1	26.8	29.3	30.8	32.5	32.6	31.9	29.5	25.4	21.9	19.4	18.9	25.7
5	19.1	20.6	22.4	23.2	23.7	23.7	24.1	24.3	25.7	30.4	28.3	28.3	26.8	25.4	28.3	29.3	33.3	33.4	32.6	29.0	25.2	22.3	20.1	18.7	25.8
6 D	19.3	22.0	23.9	24.3	26.3	27.0	31.8	30.4	26.6	23.2	21.5	24.7	28.4	26.1	22.9	25.8	28.8	30.5	31.8	28.0	24.9	22.9	21.7	21.3	25.6
7	22.2	24.0	24.6	24.2	25.2	26.0	29.9	26.1	24.5	27.9	25.8	25.0	25.7	26.2	29.0	31.7	33.5	32.1	29.3	26.3	23.8	20.8	19.4	18.9	25.9
8	19.5	22.0	23.1	24.6	26.8	26.0	24.4	24.6	25.5	24.5	26.9	26.7	26.7	26.7	28.1	29.5	30.6	31.2	31.2	28.3	26.1	23.1	20.2	19.1	25.6
9	20.1	22.2	24.2	25.1	28.9	26.7	24.9	26.8	26.5	26.2	26.7	23.3	24.9	24.5	31.5	32.8	34.1	34.0	30.8	27.7	24.7	22.4	20.6	19.3	26.2
10 Q	20.5	21.4	22.8	23.1	23.6	23.8	24.3	24.2	24.7	24.8	25.1	25.5	26.0	26.7	29.2	31.9	34.6	35.3	33.6	29.2	24.9	21.6	19.1	16.9	25.5
11	16.9	20.2	24.7	25.1	24.7	25.0	25.1	26.2	30.8	28.7	27.5	21.2	25.4	24.9	27.8	29.5	31.4	31.7	29.5	26.3	23.8	21.9	21.0	20.7	25.4
12	21.5	22.9	24.5	25.2	25.7	25.5	26.7	28.5	28.9	26.4	26.2	26.0	26.4	27.1	28.1	29.3	31.4	32.7	30.7	27.2	23.9	21.3	20.1	19.4	26.1
13 Q	19.9	21.1	22.8	23.6	24.4	24.4	24.7	24.9	25.2	25.2	25.4	24.7	24.4	27.3	28.5	30.9	32.1	32.3	30.0	26.6	23.6	22.0	19.3	18.9	25.1
14 Q	19.8	21.3	22.4	23.0	23.7	24.0	24.2	24.6	24.8	25.3	25.2	25.2	26.4	28.2	29.9	31.9	32.2	31.0	27.4	23.1	21.0	19.7	19.7	20.0	24.7
15 Q	21.6	22.0	22.3	23.2	23.3	23.4	23.6	23.8	24.0	25.3	25.8	26.9	27.0	27.7	29.6	31.0	31.9	31.2	24.5	22.6	21.8	20.0	19.4	18.1	24.6
16	19.5	19.5	19.5	18.4	21.5	22.6	22.1	25.1	24.7	25.2	25.0	25.5	26.2	27.4	28.9	30.3	31.1	28.9	25.4	25.1	23.5	18.8	18.3	18.0	23.8
17 D	19.4	20.5	25.0	25.4	25.7	24.2	23.7	23.4	21.6	18.3	25.0	26.6	27.3	25.1	24.6	28.3	29.8	30.3	26.7	22.2	21.6	21.0	21.1	21.5	24.1
18	22.4	23.3	23.9	24.2	24.5	24.4	24.6	24.4	24.5	31.8	34.3	30.2	24.5	31.3	36.1	35.9	33.3	30.5	26.6	22.4	21.8	21.2	19.9	18.6	26.4
19	19.8	19.5	21.8	22.9	27.4	30.0	31.2	35.1	30.9	27.2	30.8	19.1	25.2	29.8	32.0	32.3	31.1	27.9	25.2	23.8	22.4	21.9	21.3	22.1	26.3
20 D	23.5	24.7	25.7	26.6	28.2	25.8	24.2	23.7	24.4	25.2	25.7	25.6	31.5	31.2	31.1	30.0	29.7	25.1	22.5	23.0	21.6	20.6	20.8	21.4	25.5
21 D	22.7	25.3	25.0	25.4	28.0	34.8	29.5	33.3	31.8	38.1	43.6	38.4	32.6	30.8	19.8	23.3	25.3	19.2	20.6	23.1	28.4	23.3	21.6	21.1	27.7
22 D	21.3	21.9	24.1	23.6	32.1	31.1	29.8	26.8	23.3	20.6	27.0	26.4	27.6	29.1	31.2	32.6	33.1	31.8	29.4	26.1	23.7	21.6	20.7	19.9	26.4
23	20.9	21.5	22.9	23.1	23.6	24.3	27.8	25.3	24.1	22.4	23.5	25.2	28.3	30.1	32.7	33.9	33.1	31.2	29.7	24.2	20.3	18.7	17.8	17.4	25.1
24	19.9	20.1	21.8	22.5	24.2	26.3	28.7	27.9	26.5	26.3	28.3	28.9	28.1	29.5	31.2	24.1	29.2	27.6	23.5	21.5	19.8	18.7	19.4	19.3	24.7
25	20.4	21.6	21.8	23.7	28.7	24.1	26.4	26.4	26.1	28.2	25.8	23.2	26.5	28.7	31.5	32.1	30.7	30.1	29.3	26.3	21.4	19.6	18.3	17.5	25.3
26	19.4	20.4	22.0	23.0	23.0	23.8	23.9	24.1	24.9	24.9	25.2	25.8	26.3	26.4	30.0	31.6	33.0	31.8	28.9	25.2	20.1	19.3	19.4	18.1	24.6
27	20.4	20.6	22.6	24.1	24.2	24.7	25.1	25.5	24.2	24.3	24.3	23.2	26.9	28.3	29.0	30.0	29.6	30.4	28.5	24.6	23.4	21.0	19.5	19.2	24.7
28 Q	19.4	21.1	23.0	23.1	23.6	23.3	23.8	24.7	25.5	25.2	25.1	25.4	27.0	27.1	30.0	31.3	32.4	32.1	29.1	25.1	22.4	20.8	19.6	19.5	25.0
29	19.8	21.1	22.6	23.9	24.0	24.4	24.7	24.1	25.0	27.3	26.6	26.5	27.2	29.2	30.8	32.7	33.8	31.8	28.4	22.3	20.1	17.8	17.5	18.4	25.0
30	18.9	19.8	21.9	23.0	22.1	23.6	22.9	22.9	31.2	33.7	27.4	25.4	27.9	27.6	31.5	31.5	28.4	26.8	25.9	24.3	24.1	22.5	21.1	21.8	25.3
MEAN	20.5	21.7	23.2	23.8	25.2	25.3	25.7	26.0	26.0	26.4	26.8	25.8	26.7	27.6	29.2	30.5	31.6	30.8	28.7	25.7	23.4	21.3	20.0	19.5	25.5

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 12 VICTORIA Z = 53,000 GAMMA + APRIL 1970

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	137	135	134	131	132	129	128	126	124	125	124	126	126	127	131	134	132	126	122	120	115	115	117	119	126
2	119	121	124	124	125	125	124	124	125	120	122	123	125	123	114	111	115	120	119	118	114	115	120	124	121
3	125	125	129	131	132	136	141	110	124	122	114	109	111	110	119	125	130	126	118	107	104	105	113	118	120
4	116	121	125	126	126	125	125	124	120	116	119	117	112	111	119	120	122	119	118	113	108	107	110	113	118
5	118	121	122	122	122	121	121	122	121	118	110	92	99	111	114	118	119	115	108	104	99	101	109	114	113
6 D	116	121	120	123	127	127	108	118	125	111	65	68	90	101	106	104	118	120	115	113	114	116	120	131	112
7	134	133	129	128	125	126	126	127	103	107	120	119	119	120	122	122	121	115	107	101	108	111	110	114	119
8	128	127	130	126	127	129	127	124	122	105	94	105	113	113	116	119	120	118	117	114	112	111	115	121	118
9	121	124	125	124	125	122	120	123	101	87	110	98	72	60	94	113	115	115	112	107	106	110	116	122	109
10 Q	124	125	124	122	120	119	120	120	122	121	121	119	118	119	122	121	120	118	110	101	96	96	102	106	116
11	119	123	130	130	126	125	125	123	121	112	100	104	108	120	121	123	124	120	114	107	107	107	110	114	117
12	118	119	124	121	121	120	122	121	119	122	121	121	123	122	123	118	112	107	100	93	92	96	100	105	114
13 Q	115	119	119	118	117	117	117	117	118	117	118	116	113	113	117	116	118	115	108	105	103	102	101	106	114
14 Q	117	117	118	116	117	114	116	115	116	116	117	116	117	119	120	119	118	115	105	105	105	104	106	110	114
15 Q	115	115	116	118	117	117	115	117	114	110	110	114	115	117	117	117	113	101	94	93	95	99	105	114	111
16	120	125	130	139	139	137	120	121	122	123	122	121	122	121	122	119	113	102	97	95	99	109	126	140	120
17 D	148	164	162	152	153	154	143	137	123	78	87	105	118	112	101	100	101	96	97	116	114	120	132	128	123
18	127	125	126	125	125	124	123	123	123	115	93	65	46	27	80	98	102	103	101	98	104	109	121	137	105
19	130	139	144	153	164	148	119	92	96	80	42	61	80	116	131	132	128	125	125	128	131	130	129	129	119
20 D	129	129	129	132	131	132	131	129	128	125	122	116	92	73	98	100	104	102	102	98	95	99	112	121	114
21 D	125	132	133	130	132	142	139	101	63	33	9	-36	-93	-101	-115	-82	-14	31	80	124	166	239	242	258	77
22 D	265	223	225	259	196	157	163	160	151	102	112	128	136	137	137	140	136	134	136	132	128	126	127	131	156
23	138	143	139	134	138	141	145	147	144	141	118	113	91	72	87	105	111	107	108	114	113	122	132	142	123
24	143	149	153	157	159	157	152	143	141	134	129	123	109	100	109	99	105	107	103	101	101	105	111	123	126
25	140	143	143	139	139	134	134	134	129	123	125	116	106	115	115	118	114	110	108	109	112	118	122	128	124
26	139	142	136	136	131	128	127	127	127	126	127	125	122	107	108	107	108	108	105	103	111	119	123	129	122
27	149	145	141	140	137	128	116	125	127	126	126	123	117	118	124	123	121	114	108	108	110	113	114	123	124
28 Q	126	134	138	136	135	131	130	126	127	124	124	124	123	122	121	119	115	109	102	102	107	112	116	118	122
29	122	127	133	129	130	127	128	125	127	118	120	122	117	111	111	116	117	112	102	99	99	106	112	120	118
30	128	134	144	148	156	155	143	136	129	119	119	116	119	125	121	114	113	114	107	103	104	112	121	121	125
MEAN	132	133	135	136	134	132	128	125	121	113	108	106	102	101	107	110	112	111	108	108	109	114	120	126	118

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 13 VICTORIA H = 18,500 GAMMA + MAY 1970

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	437	446	452	449	449	449	444	458	456	457	462	464	465	456	467	465	460	445	432	423	430	435	430	444	449
2	443	450	443	445	446	453	455	463	461	459	459	458	462	464	466	461	450	450	429	430	427	435	434	437	449
3	455	455	460	456	455	458	459	462	466	466	469	471	469	471	470	469	456	445	444	440	432	437	430	432	455
4	447	453	454	451	453	453	455	463	467	468	468	462	465	467	468	465	451	443	437	429	424	423	438	447	452
5	456	459	460	460	461	460	465	465	467	472	462	452	463	462	455	456	451	445	431	428	433	432	439	443	453
6	443	458	459	452	451	451	454	457	459	460	459	459	457	462	465	460	459	462	461	460	446	441	449	458	456
7	456	461	457	456	452	455	457	459	463	467	471	464	466	469	472	464	448	435	431	434	440	440	440	441	454
8 Q	45°	459	464	464	465	463	465	465	468	467	465	466	469	474	476	470	448	440	428	429	434	438	441	448	457
9 Q	452	457	462	460	460	460	461	464	464	467	469	471	474	479	480	477	469	460	448	447	444	443	450	453	461
10 Q	452	457	462	460	460	460	462	464	464	467	469	472	474	478	480	477	469	460	448	447	444	444	450	454	461
11 Q	462	464	462	460	461	462	465	467	468	467	470	469	474	479	479	472	461	445	433	434	444	454	462	465	462
12 D	458	473	451	473	455	462	469	475	470	468	478	458	460	456	458	454	441	419	437	435	435	436	427	428	453
13	439	456	450	450	441	442	451	453	454	456	458	458	458	458	454	446	433	422	427	438	443	442	439	437	446
14	447	445	458	456	459	462	452	463	452	461	470	464	462	468	464	446	428	415	416	421	431	436	457	462	450
15	483	447	440	447	455	453	459	460	463	463	458	455	458	457	450	447	435	412	413	422	430	445	451	449	448
16	451	450	451	447	450	451	447	453	461	457	454	458	461	458	455	446	433	423	424	431	429	430	435	438	446
17	460	467	464	465	476	442	447	462	479	477	480	475	472	469	473	471	463	455	441	443	445	446	455	450	462
18	458	464	459	443	456	459	468	472	479	476	478	477	477	477	473	472	470	463	456	447	444	441	447	454	463
19	457	459	462	461	453	455	463	466	463	470	455	466	471	474	478	468	456	436	440	442	453	464	470	467	460
20 D	469	462	453	459	456	456	450	458	465	469	463	455	456	454	454	440	433	418	423	416	409	429	452	451	448
21	440	442	444	440	445	449	452	457	458	462	461	460	459	462	455	446	437	427	423	425	425	439	448	453	446
22	466	470	460	445	450	454	459	462	462	463	462	460	461	456	450	443	430	419	421	434	435	443	439	450	450
23	455	455	453	453	450	455	458	464	464	463	464	463	468	473	466	456	442	428	416	418	422	437	443	453	451
24	464	454	455	455	451	452	456	463	466	465	471	463	465	469	464	460	448	448	455	449	442	442	444	452	456
25	470	472	449	462	455	457	462	460	459	458	461	460	459	456	447	442	432	431	429	434	439	446	453	458	452
26 Q	458	459	454	450	450	455	457	458	458	463	463	465	469	472	467	458	445	432	424	426	433	443	452	450	453
27 D	460	454	462	461	463	466	468	470	464	463	466	467	465	467	476	464	445	433	427	431	437	434	435	438	455
28 D	468	460	406	428	442	449	459	467	467	465	452	425	327	342	407	411	406	407	410	411	424	437	440	473	428
29 D	432	441	441	443	433	438	435	438	430	450	450	450	453	456	449	443	432	424	420	424	419	440	447	453	439
30	439	433	436	450	442	450	446	454	458	440	427	452	457	461	460	449	452	428	435	423	431	431	438	444	443
31	450	452	449	451	446	447	455	462	462	464	462	461	461	468	474	473	450	429	421	425	431	436	446	457	451
MEAN	454	456	453	453	453	454	457	461	462	464	463	461	460	462	463	457	446	435	432	432	434	439	445	450	452

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 14 VICTORIA D = 22 DEG 00.0 MIN EAST + MAY 1970

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	21.7	21.5	22.7	23.4	23.5	24.0	29.2	28.7	25.4	24.7	25.1	25.8	25.8	25.6	28.8	31.8	33.2	32.8	28.2	23.5	21.0	21.2	20.0	19.9	25.3
2	20.9	21.6	22.9	24.6	27.0	24.2	24.0	28.4	27.8	25.6	25.4	25.5	26.1	28.9	31.6	33.1	33.1	31.7	28.6	23.3	21.7	20.3	20.6	21.0	25.7
3	21.9	22.8	24.2	23.4	23.2	23.1	23.8	24.3	25.0	24.6	24.6	23.6	24.4	28.7	32.4	35.2	34.1	31.3	26.2	22.5	22.3	20.6	20.0	20.4	25.1
4	21.2	22.7	23.6	23.2	23.2	23.2	23.2	23.8	26.6	25.4	25.2	26.1	27.1	28.5	31.9	33.0	33.6	30.8	28.3	26.0	23.9	21.7	20.9	20.7	25.6
5	21.7	23.0	23.5	24.0	23.5	23.1	23.6	23.4	23.9	22.9	24.6	30.0	28.2	28.0	32.3	32.2	33.4	30.5	27.5	25.1	23.0	21.1	20.1	20.3	25.4
6	21.4	22.7	24.6	25.0	24.9	24.6	24.3	24.0	22.8	22.2	22.4	23.4	24.4	26.6	29.7	30.1	31.4	29.9	28.1	25.8	23.7	21.4	19.9	19.6	24.7
7																									
8 Q	20.4	22.0	23.5	23.8	24.0	23.9	24.2	24.0	24.5	24.8	24.9	25.2	26.2	27.6	30.4	31.5	33.8	31.9	28.3	25.0	21.9	20.8	20.0	19.8	25.1
9 Q																									
10 Q																									
11 Q	20.3	21.1	22.3	23.0	23.8	23.6	24.3	24.3	24.5	23.5	23.9	23.7	25.1	27.4	29.1	31.2	32.6	32.2	29.2	25.3	21.5	19.0	16.7	16.6	24.3
12 D	19.4	20.4	22.1	22.8	23.5	23.0	23.3	23.1	24.2	24.6	22.4	25.8	26.8	30.3	32.7	34.1	32.6	32.6	24.9	22.9	21.3	18.4	16.7	17.5	24.4
13	18.4	20.3	23.3	24.6	24.5	25.2	24.5	23.8	23.8	24.4	24.4	24.7	25.9	27.0	29.4	30.5	31.7	30.9	27.8	25.0	23.3	22.0	20.2	18.8	24.8
14	19.1	21.3	22.3	22.9	23.4	24.3	25.0	28.1	24.7	26.1	25.0	25.0	25.9	27.1	29.3	32.9	32.4	31.0	27.3	21.2	19.5	17.6	16.8	15.5	24.3
15	18.5	19.4	22.7	23.0	24.2	24.6	24.2	23.4	25.1	26.1	26.1	24.3	25.7	27.5	29.4	30.1	30.3	30.7	25.2	21.6	18.6	16.7	16.6	18.5	23.9
16	20.3	22.5	23.3	23.3	23.6	24.6	24.3	23.5	23.2	24.6	25.0	25.5	26.5	28.1	29.7	32.9	33.9	32.0	27.6	24.0	22.1	20.0	18.1	18.0	24.9
17	19.2	21.0	22.1	22.3	23.7	27.3	25.5	23.9	23.5	23.5	23.9	24.9	26.8	29.4	32.5	31.8	33.7	33.3	29.2	24.7	21.8	20.8	19.7	19.8	25.2
18	21.4	22.9	24.5	24.3	22.9	22.6	22.8	23.4	23.5	24.2	24.4	25.5	25.7	27.3	29.2	31.1	31.1	30.2	28.8	25.9	23.0	21.3	20.4	20.4	24.9
19	20.9	22.1	23.0	24.4	24.5	24.3	27.6	26.1	24.0	24.8	26.7	27.1	27.9	29.9	32.0	32.9	33.2	32.1	28.9	24.1	21.2	19.7	18.5	19.9	25.7
20 D	21.4	22.3	22.9	23.9	25.8	27.0	26.4	23.3	23.3	21.8	24.8	28.0	31.3	27.8	31.7	32.7	30.7	31.0	24.7	22.3	19.8	19.0	17.5	17.1	24.9
21	19.0	21.6	23.9	24.3	23.3	24.3	24.1	24.3	24.3	25.2	25.4	25.6	27.1	28.9	32.0	30.8	32.4	31.1	25.5	20.0	18.3	17.4	17.4	18.7	24.4
22	19.7	21.4	22.6	24.4	22.5	23.9	24.2	24.6	23.6	23.5	23.8	23.9	25.0	29.3	30.0	32.1	32.9	29.7	24.0	20.7	18.9	18.1	17.9	18.4	24.0
23	20.8	22.7	23.8	23.9	23.9	23.7	23.6	24.1	27.1	24.5	24.8	25.8	28.1	28.7	31.0	33.3	33.1	33.0	28.6	23.9	20.6	17.7	16.3	16.5	25.0
24	18.1	21.3	23.5	24.8	24.3	24.1	23.9	23.5	24.3	24.3	24.5	24.2	26.0	28.5	32.7	33.9	34.9	31.5	25.0	22.5	21.1	19.4	19.0	19.2	24.8
25	19.3	21.3	23.8	24.7	26.3	25.0	25.5	25.1	23.4	23.6	23.1	22.6	26.1	27.5	28.7	31.4	31.2	27.8	23.1	19.6	18.5	18.4	18.7	19.8	23.9
26 Q	21.9	22.9	24.2	24.0	23.7	23.6	23.6	23.8	24.2	24.3	25.0	25.3	26.5	27.3	29.5	30.8	31.3	30.5	26.4	21.0	19.6	18.9	18.3	18.7	24.4
27 D	19.5	21.0	21.7	22.2	23.1	24.1	24.4	24.6	25.6	25.7	25.9	25.1	27.0	24.9	29.5	32.9	32.6	32.0	29.5	26.1	22.1	19.3	17.6	17.3	24.7
28 D	18.0	18.3	23.0	23.1	22.5	23.3	23.9	23.6	23.9	24.1	43.0	42.0	33.3	30.0	29.9	31.5	31.4	29.5	26.8	23.6	19.2	18.1	18.8	19.4	25.8
29 D	23.2	23.0	24.2	24.9	28.5	28.8	33.1	30.4	26.6	26.6	26.3	26.4	28.6	31.2	31.8	31.3	30.8	27.0	24.1	22.8	19.9	19.3	19.7	20.9	26.2
30	22.8	23.5	24.2	25.0	27.2	23.7	23.0	23.5	26.8	30.2	28.5	27.4	27.7	30.3	31.4	31.0	32.5	29.7	26.0	23.1	20.4	19.6	20.3	20.6	25.8
31	21.4	23.2	24.7	25.0	24.2	23.6	23.8	24.2	24.2	25.0	25.5	24.6	23.7	27.2	28.2	31.5	33.1	30.9	26.8	22.1	18.3	18.0	17.8	18.3	24.4
MEAN	20.4	21.8	23.3	23.9	24.2	24.3	24.8	24.7	24.6	24.7	25.5	26.0	26.7	28.2	30.6	32.1	32.5	31.0	27.0	23.3	20.9	19.5	18.7	19.0	24.9

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 15 VICTORIA Z = 53,000 GAMMA + MAY 1970

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	128	132	130	131	130	129	137	120	123	125	125	125	125	120	116	122	121	113	107	110	116	118	126	131	123
2	138	134	134	132	137	132	130	126	114	120	121	122	127	128	132	132	131	127	115	113	113	114	114	122	125
3	131	133	131	126	125	124	125	125	124	124	123	121	113	117	119	123	122	115	107	108	105	107	108	117	120
4	124	128	128	125	124	124	124	124	122	120	118	117	123	129	131	132	129	122	117	114	118	118	120	132	123
5	130	131	131	128	125	123	123	123	126	117	86	74	105	116	117	118	119	114	107	110	112	111	113	119	116
6	122	128	134	125	124	123	123	122	124	121	121	118	123	125	124	120	117	112	107	102	102	101	104	110	118
7	126	130	129	131	128	127	126	123	125	121	119	117	115	115	115	116	117	115	109	107	107	112	117	125	120
8 Q	126	130	129	128	127	125	126	125	125	125	124	125	127	129	130	126	123	115	106	106	108	108	112	121	122
9 Q	133	136	139	135	132	131	126	125	125	125	121	119	118	118	117	117	116	110	102	98	103	102	109	121	120
10 Q	133	134	132	130	127	127	126	124	124	124	124	125	128	125	122	120	112	105	100	97	94	102	112	119	119
11 Q	129	130	129	126	126	125	125	126	127	126	127	128	129	130	129	125	122	116	108	107	107	107	113	112	122
12 D	124	138	128	136	134	130	129	127	125	127	119	109	116	115	112	106	98	95	94	91	99	120	130	135	118
13	142	146	149	149	147	145	141	136	133	131	130	129	130	132	134	131	128	115	110	108	110	110	108	114	130
14	129	132	135	135	134	133	136	132	121	124	129	130	129	132	134	130	123	111	108	111	114	116	123	135	127
15	159	156	145	132	131	130	130	127	123	103	99	114	125	131	134	132	128	119	114	108	109	116	121	127	126
16	136	137	139	132	132	132	131	130	122	119	126	129	131	129	124	121	120	113	106	102	104	108	112	121	123
17	134	142	137	132	136	146	148	141	133	130	130	123	122	120	127	130	130	124	115	108	104	108	120	124	128
18	135	143	144	135	132	130	130	129	129	127	127	127	131	132	130	128	128	119	115	114	114	113	118	122	127
19	130	135	139	137	134	132	130	128	127	110	107	119	128	131	132	128	119	107	100	99	97	105	113	121	121
20 D	128	134	130	129	138	139	133	131	127	119	100	104	103	94	97	105	102	96	100	100	103	108	116	125	115
21	138	141	139	126	121	120	119	119	118	115	103	100	105	102	99	92	88	83	69	64	77	84	93	106	105
22	114	122	123	114	106	105	105	103	100	101	100	100	93	96	94	90	85	83	86	88	91	97	103	111	100
23	114	118	117	112	107	108	107	108	106	103	102	103	107	108	105	102	100	94	87	90	95	99	98	105	104
24	116	118	115	113	108	105	106	105	107	107	101	95	101	106	101	95	83	77	78	80	84	86	93	104	99
25	116	124	117	122	117	113	106	103	105	104	106	102	99	96	90	83	82	75	66	66	75	84	98	107	98
26 Q	112	112	109	104	102	102	101	103	105	106	106	107	110	108	106	100	96	88	86	84	86	85	87	94	100
27 D	104	106	112	108	107	105	107	109	108	109	110	109	105	100	95	101	100	91	86	84	84	94	114	130	103
28 D	163	175	160	140	126	120	119	116	114	103	64	13	-89	-59	-12	26	71	108	122	124	126	127	129	143	93
29 D	152	154	152	142	141	141	145	114	112	123	120	130	136	134	129	124	124	125	115	107	111	119	125	130	129
30	139	136	135	135	133	128	124	125	122	95	84	108	125	132	134	126	122	119	113	104	101	99	105	117	119
31	124	127	128	127	124	122	122	117	110	107	109	115	116	105	110	114	118	112	104	104	111	118	123	124	116
MEAN	130	134	132	128	126	125	125	121	120	116	112	112	111	113	114	113	112	107	102	100	103	106	112	120	116

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 16 VICTORIA H = 18,500 GAMMA + JUNE 1970

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	468	469	469	490	442	442	456	459	466	463	449	451	453	454	456	461	466	459	452	443	429	427	431	444	454
2	448	459	478	454	451	454	458	461	464	471	471	469	466	464	466	454	453	446	433	427	415	419	423	427	451
3	448	465	461	456	450	446	449	449	455	446	446	449	451	471	468	467	456	444	419	421	434	444	438	446	449
4	455	458	464	460	456	445	450	451	451	457	456	456	461	467	462	458	452	437	435	438	438	434	434	433	450
5	446	458	468	453	459	456	446	447	454	461	465	463	468	470	474	470	460	443	436	430	436	435	438	445	453
6 Q	454	458	462	464	462	462	463	461	462	465	469	464	467	469	470	468	458	447	442	447	456	463	464	460	461
7	459	457	459	461	460	463	463	469	470	472	476	477	482	486	485	477	481	485	489	483	482	457	483	486	473
8	465	487	461	429	447	441	450	450	463	455	449	449	451	460	457	458	453	450	460	459	461	455	449	451	455
9	454	463	467	462	461	462	463	466	463	460	459	460	461	462	462	462	459	457	452	452	465	469	463	459	461
10	464	460	460	454	458	466	463	468	462	455	465	466	462	457	451	450	439	442	443	440	447	453	452	469	456
11 Q	465	463	467	460	460	460	466	462	461	460	460	464	466	470	476	478	478	458	453	447	441	447	453	449	461
12 Q	460	461	466	462	463	461	463	466	469	468	460	462	469	473	481	479	473	459	446	440	440	436	436	448	460
13	464	465	469	467	463	466	475	466	468	466	460	457	462	452	457	445	434	420	411	413	411	414	429	453	449
14	469	475	477	473	456	454	451	450	453	457	459	456	465	478	480	462	450	422	402	395	412	436	452	470	452
15	490	463	452	457	465	467	453	470	454	450	450	442	466	466	462	448	432	419	414	418	429	431	449	471	451
16	472	463	459	440	453	444	447	455	459	459	461	461	455	462	454	448	440	427	425	427	437	449	456	451	450
17	461	462	461	461	461	468	467	474	490	491	489	482	475	479	470	467	434	427	428	442	452	448	457	451	462
18 D	462	450	447	446	454	462	461	471	456	442	455	452	435	426	411	436	431	410	407	400	408	427	444	456	440
19	463	452	441	422	442	444	451	448	453	453	451	451	452	448	452	454	459	453	447	443	447	447	453	460	449
20 D	461	453	430	444	458	431	429	419	425	444	438	439	443	441	437	433	426	408	407	416	429	436	445	466	436
21 D	472	490	445	440	433	427	411	418	422	432	436	429	438	437	437	433	431	429	435	428	421	415	436	436	435
22 Q	450	451	453	454	453	454	454	457	460	462	467	465	469	475	474	465	454	439	434	432	431	433	440	444	453
23 Q	451	455	460	468	463	459	457	459	455	458	460	461	463	469	468	459	457	450	436	430	434	438	443	448	454
24	457	463	455	464	467	466	465	468	470	472	471	474	481	491	490	485	477	456	450	445	450	460	469	459	467
25	461	450	439	459	456	460	462	461	465	465	463	461	463	470	477	474	468	457	454	450	448	448	430	438	457
26	443	455	460	463	463	457	452	454	452	455	459	468	474	480	483	457	458	459	446	441	441	450	442	445	457
27 D	455	460	469	470	454	449	472	479	437	422	412	388	416	431	442	445	433	426	430	426	407	411	425	432	437
28	447	459	439	445	444	447	446	449	450	452	455	446	444	452	452	453	452	442	431	427	427	428	441	440	445
29	442	450	451	454	455	459	462	459	456	461	464	464	472	474	470	447	421	413	412	424	429	430	438	438	448
30	453	458	466	465	461	463	466	478	462	459	460	463	464	472	471	471	472	467	463	457	458	457	445	443	462
MEAN	459	461	459	457	456	455	456	458	458	458	458	456	460	464	463	459	452	442	436	435	437	440	445	451	453

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 17 VICTORIA D = 22 DEG 00.0 MIN EAST + JUNE 1970

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	20.0	22.5	25.1	28.8	24.6	22.1	21.7	22.8	25.9	30.2	25.7	26.1	24.0	27.6	26.8	27.9	32.9	31.5	28.1	24.4	23.2	23.9	23.5	21.9	25.5
2	23.1	24.6	24.4	26.1	26.1	24.3	24.0	23.6	23.8	23.0	24.1	24.7	26.1	28.4	29.8	30.0	32.4	31.6	30.0	25.6	23.6	22.1	20.9	19.5	25.5
3	19.7	21.4	24.8	25.6	30.2	28.0	25.9	24.5	25.4	24.0	24.7	25.0	23.7	27.5	26.8	29.6	31.6	31.5	28.3	24.5	22.2	21.9	21.5	21.3	25.4
4	22.9	24.0	25.8	26.2	26.2	25.4	24.4	26.2	25.8	24.7	23.7	24.1	26.1	27.0	26.9	28.9	30.7	31.8	28.5	25.4	22.8	21.9	21.6	21.3	25.5
5	21.8	22.6	24.8	28.0	26.5	25.6	26.3	25.4	24.2	22.6	21.9	23.8	27.0	28.5	30.3	32.8	32.5	31.1	28.6	24.3	21.3	19.2	20.2	20.8	25.4
6 Q	21.8	22.9	23.6	23.8	24.7	24.5	23.5	23.9	24.0	22.6	24.5	25.0	26.4	27.7	30.0	30.8	31.3	29.3	25.5	21.6	20.3	20.7	21.3	21.8	24.6
7	22.4	23.1	23.7	23.8	24.5	23.8	23.5	23.7	23.7	24.4	24.5	25.4	27.3	28.9	30.2	31.8	30.7	30.4	27.1	24.5	22.5	19.5	17.2	15.3	24.7
8	19.9	17.9	20.1	22.3	23.3	27.7	23.9	23.4	23.5	22.9	23.4	26.3	23.7	28.6	31.2	32.1	31.9	30.0	27.3	24.2	22.8	23.1	22.0	20.7	24.7
9	21.2	21.3	22.9	24.7	24.1	23.7	23.6	23.5	24.3	24.3	24.6	25.3	27.1	28.9	31.2	31.8	31.5	29.6	27.0	22.9	19.9	19.5	18.5	18.6	24.6
10	19.2	22.0	22.4	23.0	23.7	23.8	23.8	24.7	24.2	23.5	23.5	24.3	25.8	27.3	29.4	30.5	31.7	28.6	22.8	18.7	16.3	16.1	17.7	18.3	23.4
11 Q	21.3	22.4	24.8	24.0	23.7	23.4	23.6	23.9	24.3	24.0	24.5	24.7	26.2	28.3	30.3	31.3	32.2	32.7	28.4	25.9	22.7	20.7	19.5	20.1	25.1
12 Q	20.6	21.5	22.3	23.6	24.2	24.8	24.1	23.9	23.5	23.8	24.1	24.4	25.3	26.3	28.8	31.4	35.2	36.1	33.9	27.9	24.8	22.0	20.0	19.0	25.5
13	18.6	20.2	21.7	22.2	22.2	22.2	23.1	23.3	21.4	25.9	26.5	25.2	28.0	30.5	32.6	30.7	30.5	31.3	28.8	25.8	20.6	17.4	17.6	17.4	24.3
14	17.7	20.3	24.2	26.2	24.2	23.5	23.0	23.4	23.9	24.1	24.5	24.6	26.3	28.6	31.6	34.9	34.9	35.3	32.2	25.8	17.8	17.2	16.9	15.2	24.8
15	14.9	18.1	21.7	22.1	21.5	21.0	20.5	27.2	26.1	24.1	23.0	18.9	25.4	31.0	33.0	33.8	34.4	33.1	30.0	25.3	20.9	18.2	18.0	18.2	24.2
16	19.0	20.0	20.5	21.7	24.1	25.9	23.3	21.9	22.7	23.1	23.8	24.5	25.1	27.1	27.7	31.3	33.0	32.8	30.3	25.4	22.2	20.6	19.9	19.8	24.4
17	21.0	21.8	22.2	22.5	22.2	22.2	22.4	22.7	22.6	23.5	24.5	26.0	26.2	30.8	33.6	33.6	35.8	31.9	27.9	24.8	20.3	17.5	15.0	15.3	24.4
18 D	16.2	19.8	22.4	23.0	22.0	23.4	24.4	25.7	25.0	22.5	24.1	32.8	32.0	30.0	29.8	26.9	27.7	27.8	26.0	21.9	18.6	17.5	16.3	17.5	23.9
19	18.0	17.2	18.9	22.1	22.4	23.2	24.8	24.0	23.8	24.0	26.6	26.0	27.8	29.0	29.8	31.6	31.6	30.7	27.3	26.1	22.5	19.9	19.7	18.5	24.4
20 D	18.5	18.1	20.4	21.6	23.1	22.3	28.4	29.1	24.9	26.1	26.8	27.3	28.9	31.4	30.3	27.2	26.5	26.5	24.9	23.3	20.6	18.1	18.6	18.4	24.2
21 D	19.0	21.4	21.6	26.2	24.4	24.9	25.1	25.0	24.9	23.1	24.5	22.4	23.8	25.7	28.3	29.0	28.7	28.1	25.7	25.1	24.3	22.9	20.7	19.6	24.3
22 Q	18.9	19.5	21.2	22.4	23.3	23.1	23.4	23.5	23.9	24.2	24.9	26.3	26.5	26.9	28.5	31.2	32.0	30.5	28.2	24.1	19.4	16.9	17.0	17.7	23.9
23 Q	18.8	20.0	22.1	23.5	23.7	23.9	23.2	23.2	24.0	23.7	24.3	25.5	27.3	29.4	30.8	30.7	31.6	30.9	27.6	24.0	21.0	21.2	20.6	21.4	24.7
24	21.8	23.5	24.5	23.8	23.5	23.2	23.2	23.7	23.6	23.9	24.2	25.4	26.5	27.5	29.0	31.2	30.9	30.0	29.6	26.4	21.0	19.4	19.3	20.3	24.8
25	19.8	21.5	24.0	23.9	24.5	25.5	26.3	25.1	25.1	24.1	23.6	23.6	23.2	23.7	26.0	28.5	30.7	31.5	30.4	26.8	23.8	21.9	20.9	20.2	24.8
26	20.8	22.7	24.4	26.2	27.5	26.5	26.5	29.6	26.3	27.0	24.6	23.4	25.8	28.3	31.2	32.1	31.7	29.5	27.7	24.3	20.1	19.8	19.1	19.6	25.6
27 D	20.6	22.2	25.1	31.3	29.3	25.6	23.7	24.3	35.2	32.1	28.6	26.9	25.9	28.4	31.5	34.4	34.4	30.3	25.5	24.6	23.0	21.8	20.5	19.0	26.8
28	19.7	22.1	25.0	24.8	26.6	30.2	26.1	24.7	24.2	24.0	24.0	23.8	26.2	28.2	30.4	32.3	33.3	32.1	29.6	25.4	22.8	20.5	19.9	20.7	25.7
29	20.9	21.5	22.9	23.5	24.1	26.1	26.1	25.9	24.2	23.5	23.5	24.4	26.1	27.3	30.4	31.9	31.5	29.1	23.2	20.6	19.2	17.6	18.4	19.2	24.2
30	20.6	22.0	23.1	24.3	24.0	24.2	24.8	27.7	26.5	25.8	26.1	25.8	27.3	29.5	31.9	33.1	32.8	30.2	27.4	24.3	23.4	23.6	23.0	21.8	26.0
MEAN	20.0	21.3	23.0	24.4	24.5	24.5	24.2	24.6	24.7	24.5	24.6	25.1	26.2	28.3	29.9	31.1	31.9	30.9	27.9	24.5	21.5	20.1	19.5	19.3	24.8

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 18 VICTORIA Z = 53,000 GAMMA + JUNE 1970

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	128	131	139	157	141	138	131	127	118	90	101	110	111	97	91	84	93	103	108	115	113	116	126	131	117
2	137	142	145	142	135	130	126	123	122	119	116	116	119	120	122	116	109	105	101	103	103	106	109	114	120
3	127	138	141	138	139	131	129	124	113	101	108	105	106	112	117	112	114	110	99	89	92	100	104	121	115
4	137	144	148	137	134	126	125	122	121	119	115	118	122	121	116	112	109	101	96	92	94	97	107	120	118
5	123	126	135	133	130	127	125	123	124	120	114	117	124	125	127	125	111	95	91	87	86	92	99	109	115
6 Q	116	119	122	120	120	117	116	116	116	115	109	116	119	120	120	117	112	109	103	99	102	104	105	110	113
7	113	116	115	114	116	115	115	116	116	116	116	117	118	115	108	105	92	91	92	86	93	96	113	127	109
8	142	155	160	146	141	144	117	106	122	123	122	122	120	123	123	120	120	118	120	113	107	101	107	115	124
9	122	127	132	127	120	118	119	118	120	119	120	120	120	120	118	114	110	100	96	91	95	99	104	114	114
10	123	128	127	121	119	118	119	119	118	116	117	111	117	115	114	108	98	88	82	83	92	107	112	124	112
11 Q	131	131	134	127	123	117	120	118	119	120	120	121	123	121	119	113	107	104	105	100	93	96	104	110	116
12 Q	120	127	133	126	125	122	121	120	118	112	116	120	123	123	126	123	117	113	111	104	101	104	106	113	118
13	122	125	129	125	120	117	120	119	113	108	106	109	93	82	92	98	104	107	103	101	101	112	119	130	111
14	143	150	154	153	134	128	123	122	121	121	123	123	132	136	138	132	125	117	101	95	100	105	107	116	125
15	138	145	152	143	135	135	134	127	102	113	118	113	111	124	127	125	123	116	105	97	100	104	117	134	122
16	147	147	152	141	144	143	136	129	125	123	124	124	124	125	123	123	127	114	99	95	97	109	120	121	126
17	124	124	124	122	119	121	119	120	122	120	118	118	109	106	110	113	106	98	92	88	94	107	129	139	114
18 D	147	146	141	131	124	124	125	113	103	85	57	27	15	19	33	53	75	87	103	111	122	140	148	159	100
19	164	162	160	149	141	135	128	128	128	125	123	125	129	126	123	122	121	120	112	98	95	98	108	119	127
20 D	136	152	158	163	168	154	148	132	124	101	109	110	108	109	105	97	93	97	110	113	135	152	169	182	130
21 D	190	213	213	202	177	166	161	149	147	145	137	116	122	129	131	132	130	129	134	133	124	122	130	129	148
22 Q	133	136	134	133	129	125	124	126	126	125	125	124	125	125	123	118	116	113	107	95	89	96	105	112	119
23 Q	122	127	131	130	128	126	125	124	124	125	123	124	125	125	124	116	113	109	107	102	102	106	112	113	119
24	125	133	127	122	120	117	117	116	119	119	120	120	124	124	120	113	107	97	83	80	89	94	105	116	113
25	123	130	124	127	120	118	118	116	118	115	115	114	112	112	115	117	120	109	101	98	100	107	114	119	115
26	122	136	135	134	131	128	127	118	111	111	118	126	132	136	132	125	105	96	90	94	101	113	117	116	119
27 D	130	131	140	149	146	137	137	123	62	61	58	107	56	60	102	118	121	116	111	112	118	125	126	128	111
28	137	154	152	145	140	138	130	129	126	124	110	107	110	109	109	109	114	113	107	102	94	100	111	117	120
29	125	126	125	127	127	126	125	120	119	120	123	124	130	132	133	126	117	109	100	101	107	113	119	124	121
30	134	132	135	133	129	129	127	121	107	111	114	118	125	131	134	129	122	114	107	101	96	104	106	115	120
MEAN	133	138	141	137	133	129	126	122	117	114	113	114	113	114	116	114	111	107	103	99	101	108	115	123	118

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 19 VICTORIA H = 18,500 GAMMA + JULY 1970

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	448	463	467	462	451	448	461	453	444	456	459	464	469	484	498	499	490	476	454	445	441	446	458	465	463
2	467	465	457	464	468	472	480	473	469	476	483	461	480	482	475	474	475	465	454	446	442	442	452	468	466
3	470	468	473	463	465	462	448	435	435	431	453	468	474	480	486	476	453	437	434	429	433	431	443	492	456
4	476	463	428	422	439	444	445	428	415	444	449	452	451	453	452	443	438	443	439	429	418	410	423	446	440
5	454	459	473	483	455	445	441	449	448	449	455	456	463	470	470	470	458	435	438	432	426	430	441	457	452
6	465	467	463	447	456	450	451	451	440	445	452	445	447	458	466	464	467	461	458	442	431	426	434	447	451
7 Q	461	464	461	455	451	452	458	460	461	457	459	458	463	471	475	474	470	461	451	436	428	434	443	452	456
8	458	463	468	460	453	445	451	454	454	457	459	461	462	450	458	454	448	440	440	443	446	447	447	490	455
9 D	447	458	477	517	499	478	456	448	456	440	444	430	416	468	439	442	449	458	443	411	342	369	413	459	444
10 D	449	455	446	432	415	431	437	443	445	448	457	463	456	462	467	461	455	452	430	413	408	445	448	454	445
11	452	441	436	434	438	445	446	446	445	440	439	442	447	452	452	447	443	444	434	417	413	419	423	435	439
12	450	458	460	448	450	448	455	457	461	459	457	458	454	449	451	449	452	439	407	404	415	417	438	445	445
13	459	460	454	459	457	453	455	453	455	460	459	458	460	459	462	454	448	429	430	432	424	421	432	455	450
14	469	464	460	460	449	447	453	460	469	453	453	457	459	460	459	463	457	433	418	422	437	445	452	444	452
15 Q	454	456	469	458	460	460	463	462	462	474	458	453	459	460	464	462	456	442	428	425	431	433	441	441	453
16	465	462	443	456	456	457	459	459	461	460	463	460	461	465	471	467	457	445	430	430	439	441	446	456	455
17	457	465	458	454	456	459	462	466	466	465	465	470	468	469	474	479	462	446	441	439	444	441	440	451	458
18 Q	452	461	460	457	461	466	461	462	462	465	466	465	465	472	468	460	455	438	440	435	429	434	439	442	455
19 Q	444	451	461	459	459	462	465	464	465	465	471	471	470	472	479	477	461	445	442	428	426	429	442	444	456
20	442	447	452	455	461	463	466	464	463	464	463	466	469	470	479	472	460	449	440	440	442	456	474	484	460
21 D	461	450	459	464	446	447	456	465	476	492	489	470	474	461	456	475	467	442	417	431	449	445	429	419	456
22	461	455	457	455	447	456	456	467	479	463	453	452	453	450	446	441	428	432	442	442	421	429	451	461	450
23	460	446	440	442	453	461	455	462	459	464	476	470	465	472	468	484	482	455	430	420					458
24	464	475	460	463	445	435	437	445	451	455	452	460	463	468	468	471	475	469	463	459	448	438	437	440	456
25 D	465	461	516	457	437	462	369	425	407	368	388	377	435	395	421	443	444	443	440	433	436	418	421	490	431
26	491	501	466	436	419	424	440	432	436	435	422	429	439	438	445	452	457	448	435	417	411	425	424	428	440
27	439	443	452	443	454	458	435	443	447	451	441	444	449	438	440	431	435	419	409	394	403	412	420	427	434
28 Q	439	441	444	449	447	447	447	453	458	453	454	453	457	464	466	463	459	439	417	415	425	433	439	447	446
29 D	470	460	468	468	451	429	429	396	415	369	344	409	419	392	447	401	423	423	387	420	429	436	440	435	423
30	438	439	444	440	443	439	441	450	452	447	447	448	454	466	473	463	450	427	411	418	440	451	461	465	446
31	461	454	438	447	437	438	445	447	437	451	448	439	443	444	449	447	442	419	412	442	435	435	432	446	441
MEAN	458	459	458	455	451	451	449	451	451	450	451	452	456	458	462	460	455	444	433	429	427	431	439	453	449

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 20 VICTORIA D = 22 DEG 00.0 MIN EAST + JULY 1970

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	20.1	21.5	23.4	24.2	24.5	25.8	28.6	24.6	25.8	23.2	22.1	24.0	24.2	24.7	33.0	35.1	33.0	34.6	30.4	25.7	21.7	20.0	19.6	19.8	25.4
2	20.7	21.9	23.7	23.8	25.5	25.2	28.3	28.9	25.9	24.2	22.2	20.6	25.8	27.9	32.1	33.7	36.0	35.2	31.4	26.9	23.5	20.9	18.9	18.1	25.9
3	19.3	20.7	22.2	22.6	23.2	31.1	26.0	26.4	30.8	27.5	26.2	27.8	25.9	28.5	30.6	31.8	31.5	31.1	27.4	24.1	22.4	20.8	18.9	17.1	25.6
4	17.8	17.0	17.5	21.6	21.6	31.3	29.0	24.6	21.4	22.4	24.5	26.5	26.6	27.5	30.1	32.3	32.9	32.9	29.4	26.5	24.4	20.9	18.2	17.7	24.8
5	19.5	21.4	22.9	23.8	34.6	30.8	26.4	24.1	24.8	24.9	25.1	25.6	27.2	28.3	30.5	31.9	34.5	35.0	31.1	27.0	22.1	18.9	18.5	19.3	26.2
6	19.9	21.0	21.2	23.5	26.3	22.3	26.5	29.5	32.6	25.3	25.2	24.9	23.4	28.6	32.2	33.8	34.2	33.0	30.1	26.2	22.6	20.8	19.9	19.8	25.9
7 Q	20.4	20.9	22.5	24.0	24.0	24.0	23.9	24.0	25.6	25.5	24.9	25.4	26.2	27.9	29.3	31.9	31.1	30.7	29.8	27.0	23.2	20.9	20.6	19.7	25.1
8	20.4	21.1	22.6	23.2	23.9	23.4	24.2	24.0	24.1	23.1	23.8	24.6	25.5	23.5	27.1	30.0	30.0	27.8	25.8	22.1	18.5	16.6	16.9	12.5	23.1
9 D	9.9	13.4	14.8	15.9	24.6	25.8	25.7	24.1	21.5	27.0	35.2	33.4	31.4	29.6	31.1	36.9	33.4	34.8	31.6	25.4	22.2	19.0	18.3	18.0	25.1
10 D	19.9	19.0	20.5	21.5	21.9	22.9	22.9	23.6	23.9	23.6	23.3	22.8	23.2	24.5	26.2	29.0	30.8	30.5	31.2	26.9	21.1	16.2	14.8	16.2	23.2
11	18.3	20.5	23.5	23.7	23.2	23.6	24.0	27.0	24.8	23.5	23.8	23.7	23.9	28.9	29.7	30.6	30.6	29.9	28.9	27.8	24.7	20.9	18.4	17.5	24.6
12	19.5	18.9	23.6	25.2	22.5	21.9	22.6	22.1	22.2	23.5	23.9	24.9	24.0	28.4	28.1	28.8	30.6	32.9	31.9	23.5	21.3	20.1	18.9	19.5	24.1
13	20.1	21.2	24.5	24.4	22.1	26.8	24.2	22.6	22.9	23.5	23.7	25.2	26.4	27.9	28.8	31.0	31.4	29.8	24.2	23.0	21.3	20.6	19.1	19.1	24.3
14	19.4	21.1	22.4	23.3	22.9	22.6	22.6	23.5	24.3	24.2	24.2	24.7	24.9	26.3	27.6	29.8	30.4	31.3	29.0	23.0	20.5	20.4	20.2	20.9	24.1
15 Q	21.4	22.2	23.3	24.4	23.8	23.6	23.9	23.6	23.7	26.0	27.0	26.2	25.9	26.1	26.8	28.9	29.1	28.3	26.8	24.9	23.8	21.7	18.9	18.5	24.5
16	19.2	21.2	22.9	22.8	23.1	23.0	22.6	23.3	23.9	24.5	25.1	25.3	25.4	28.1	30.2	30.8	32.6	31.0	27.3	24.2	22.5	21.6	20.7	20.5	24.7
17	20.7	21.6	23.0	23.7	23.2	23.2	22.9	23.3	23.5	23.8	24.8	25.0	26.2	27.4	27.3	29.3	29.3	26.4	24.7	22.3	20.3	18.6	16.0	16.5	23.5
18 Q	20.0	21.8	22.6	22.5	23.1	26.3	23.7	23.1	23.4	23.7	23.7	24.7	25.5	27.4	28.5	30.8	30.6	29.2	25.9	24.1	21.5	20.3	18.8	19.3	24.2
19 Q	20.0	21.1	21.7	24.5	25.0	23.4	23.3	23.1	23.5	23.3	22.3	24.8	26.6	28.0	29.2	31.1	31.8	31.4	27.5	25.1	21.9	19.6	17.7	18.3	24.3
20	19.6	21.3	23.5	23.9	22.9	23.6	24.1	24.3	23.4	23.7	23.5	24.2	25.5	27.0	27.9	29.9	32.4	31.3	28.4	24.7	19.6	16.7	15.9	15.5	23.9
21 D	14.4	15.3	19.0	21.0	22.1	22.1	23.0	22.6	23.1	23.8	22.4	25.2	26.1	28.0	28.3	32.0	35.0	34.0	29.4	19.7	18.8	17.2	16.6	19.8	23.3
22	20.0	21.7	23.3	24.7	25.7	24.5	23.8	25.5	23.3	22.5	24.2	25.5	26.8	28.1	29.8	33.0	33.2	29.1	26.0	23.3	20.5	17.8	17.4	18.5	24.5
23	20.9	22.3	23.3	24.8	25.1	23.7	27.5	25.6	23.5	23.8	23.7	22.6	24.0	26.9	27.9	30.3	32.2	34.4	27.9	26.3	24.1	19.2	16.8	19.0	24.8
24	20.3	21.1	20.5	23.0	25.9	27.8	34.7	27.0	24.2	23.1	23.6	23.2	23.5	25.0	27.4	29.6	33.1	35.5	28.8	25.6	22.5	22.0	21.3	20.8	25.4
25 D	21.7	19.6	19.7	24.5	23.1	27.3	44.9	34.5	38.4	30.0	31.6	34.3	30.2	31.2	27.6	30.2	31.1	29.6	26.5	23.8	22.2	24.2	24.0	21.1	28.0
26	20.3	20.2	23.0	25.0	23.5	23.3	24.7	25.0	25.5	24.3	23.5	22.4	22.1	23.4	28.1	30.3	32.1	31.6	29.1	25.1	23.1	20.6	20.4	19.1	24.4
27	19.7	21.2	23.1	23.7	27.0	28.9	26.2	24.1	23.1	23.1	25.4	24.6	25.0	26.0	26.5	29.5	28.8	29.7	30.2	27.6	22.4	19.0	18.6	19.6	24.7
28 Q	19.9	21.3	23.3	24.4	24.1	24.2	24.6	24.6	25.2	24.9	24.3	25.3	26.1	27.3	29.2	30.5	31.7	32.7	29.6	25.4	20.2	17.1	17.0	17.9	24.6
29 D	20.4	21.7	23.6	24.2	36.4	36.6	34.4	32.8	29.6	37.5	21.8	26.8	29.7	26.5	28.8	26.8	29.3	30.2	25.5	23.3	21.9	21.7	22.0	22.2	27.2
30	23.8	25.3	24.9	25.5	27.7	32.6	25.4	23.8	23.9	23.7	24.1	25.2	26.5	27.9	29.9	31.0	30.9	28.7	24.3	19.1	16.3	16.4	18.1	20.1	24.8
31	22.5	23.0	25.0	27.2	26.5	23.5	26.2	24.5	26.1	22.7	24.1	23.5	26.0	28.8	30.1	29.9	29.2	26.5	21.2	16.9	17.9	19.5	17.5	17.8	24.0
MEAN	19.7	20.7	22.3	23.6	24.8	25.6	26.2	25.2	25.1	24.7	24.6	25.3	25.8	27.3	29.0	31.0	31.7	31.3	28.1	24.4	21.6	19.7	18.7	18.7	24.8

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 21 VICTORIA Z = 53,000 GAMMA + JULY 1970

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	120	129	138	138	141	140	133	125	122	126	120	126	127	127	120	118	118	120	109	99	105	113	116	118	123
2	124	132	133	129	129	128	130	97	117	122	121	82	112	130	134	136	140	133	122	113	109	110	117	124	122
3	133	137	141	136	138	142	131	134	114	103	76	97	123	128	133	137	137	125	105	101	111	118	128	156	124
4	190	206	155	139	145	152	126	135	112	126	134	135	137	139	139	140	137	137	130	126	131	127	129	126	140
5	133	139	142	149	165	152	149	144	125	122	129	130	134	135	128	125	123	120	114	107	104	107	121	142	131
6	157	167	165	151	153	135	135	134	113	107	122	124	115	106	121	127	131	133	125	121	123	120	126	136	131
7 Q	140	137	133	130	127	124	126	127	127	124	125	125	125	125	126	125	125	114	109	109	102	101	106	116	122
8	127	140	145	145	140	137	136	131	129	128	126	127	124	115	109	107	108	105	101	102	102	104	110	140	122
9 D	144	161	154	174	250	254	159	168	149	81	64	87	27	3	-12	21	82	108	114	113	112	135	176	209	122
10 D	254	190	162	143	131	132	131	131	132	133	136	136	132	137	140	123	119	115	113	114	117	124	126	135	138
11	142	147	146	133	128	128	131	133	131	128	129	131	124	128	126	125	118	120	113	109	109	114	120	136	127
12	147	154	167	158	144	135	133	131	124	104	115	122	119	118	125	118	117	111	99	96	94	102	113	125	124
13	130	143	147	148	136	133	128	124	124	123	122	127	128	130	125	121	119	113	109	103	101	106	110	123	124
14	131	142	145	138	133	128	126	126	120	114	120	124	128	131	131	125	121	115	108	107	108	107	115	124	124
15 Q	133	132	139	132	128	124	122	121	119	112	107	115	121	125	125	123	122	116	109	108	108	111	114	118	120
16	131	141	141	137	133	128	125	122	122	121	120	119	116	109	115	113	110	107	95	93	96	97	101	107	117
17	115	124	126	126	122	121	120	119	118	118	118	118	118	120	116	113	113	109	101	100	101	99	111	124	115
18 Q	130	137	134	128	127	126	121	121	119	117	116	113	115	119	119	111	113	111	95	93	94	93	100	110	115
19 Q	119	125	129	129	129	126	125	123	122	119	112	109	114	119	124	124	119	106	102	98	95	96	108	122	116
20	127	131	133	128	126	123	122	122	121	118	117	118	122	122	120	120	116	111	100	88	90	96	108	117	117
21 D	124	134	138	144	132	127	125	126	124	130	121	87	105	91	58	82	100	100	92	95	107	108	102	120	111
22	138	136	134	136	131	130	128	124	101	90	106	120	124	127	127	120	109	110	110	106	105	109	122	137	120
23	155	152	147	139	136	131	126	124	122	124	124	125	130	134	131	137	128	124	117	120	106	109	116	124	128
24	130	149	157	182	168	163	137	115	132	134	133	133	130	118	112	109	115	120	119	119	114	112	124	134	132
25 D	159	162	209	238	192	165	79	46	54	62	53	13	101	81	88	120	141	143	143	136	135	148	179	211	127
26	214	223	211	186	145	141	130	127	132	124	98	84	84	102	130	140	140	137	131	124	126	134	143	147	140
27	150	150	150	143	144	131	121	131	129	124	108	114	128	123	116	120	122	121	114	106	108	113	124	133	126
28 Q	137	133	137	139	134	133	131	129	132	130	129	129	132	132	133	135	134	123	114	102	92	99	109	124	126
29 D	143	139	141	139	144	128	64	20	-10	-11	-57	33	16	-13	95	77	71	112	121	131	135	140	141	138	85
30	139	142	139	134	139	144	137	137	132	131	131	129	133	134	133	132	134	122	107	103	113	120	131	141	131
31	148	153	146	154	149	141	140	126	119	115	116	118	126	131	129	132	126	112	107	120	114	121	134	143	130
MEAN	144	148	148	146	143	139	127	122	117	113	109	111	115	114	117	118	120	118	111	108	109	113	122	134	124

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 22 VICTORIA H = 18,500 GAMMA + AUGUST 1970

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	460	458	443	440	450	453	452	454	455	460	460	459	464	464	462	455	434	431	434	439	441	439	448	458	451
2	450	460	461	460	450	451	459	463	467	462	464	466	468	470	470	457	439	435	440	435	432	435	440	451	454
3 Q	467	471	471	475	470	464	468	470	470	469	462	468	470	472	469	463	461	455	443	434	435	433	441	453	461
4 Q	466	467	467	465	466	463	466	467	465	465	464	466	468	470	468	471	461	442	429	425	427	424	437	447	457
5 Q	457	466	467	465	462	463	466	468	466	463	467	468	470	475	483	481	472	458	457	460	455	450	457	461	465
6	470	471	471	469	470	472	474	471	473	476	473	479	478	478	481	480	475	470	456	444	450	461	457	450	469
7	455	456	458	471	472	474	480	476	477	474	476	471	475	473	472	469	469	458	455	460	466	468	444	440	466
8 D	456	451	462	441	447	453	453	465	448	390	391	412	455	456	440	438	447	442	426	422	442	450	457	450	441
9 D	474	452	443	440	432	443	440	443	449	448	453	445	454	453	453	448	448	435	424	430	435	436	442	450	445
10	456	458	452	453	460	459	458	461	459	453	454	449	446	461	469	467	464	452	435	427	433	434	443	450	452
11	455	436	447	456	464	465	463	470	471	470	469	466	465	460	465	472	472	460	446	434	429	438	460	459	458
12	469	463	451	440	443	464	455	462	468	466	462	461	461	463	462	456	444	430	419	418	416	433	442	452	450
13	455	459	459	455	458	465	456	459	461	460	458	458	464	460	470	468	441	425	405	395	413	430	432	447	448
14	455	454	463	457	457	459	462	463	466	467	469	469	468	473	472	459	434	406	404	407	428	447	464	472	453
15	463	460	464	451	464	462	461	463	463	461	459	456	460	464	461	448	426	408	401	411	433	466	481	469	452
16	464	477	465	461	465	470	471	474	474	474	474	469	470	475	475	462	438	421	418	435	450	456	520	511	465
17 D	495	466	467	523	475	490	368	319	275	417	390	407	410	369	390	400	339	297	338	371	417	431	417	410	403
18 D	427	444	417	417	419	421	419	402	411	414	365	390	406	418	402	424	380	357	406	435	420	422	434	436	412
19	454	437	441	435	428	433	437	436	441	435	438	450	447	445	442	442	429	421	417	419	425	432	437	439	436
20	443	447	449	448	450	451	450	454	445	446	447	444	443	453	458	458	457	443	422	412	412	416	425	442	442
21	445	449	450	449	450	451	455	451	455	458	462	463	461	463	464	456	438	436	423	422	419	428	435	447	447
22	454	462	463	459	459	458	460	464	461	460	461	457	457	467	467	462	459	443	425	414	413	425	442	455	452
23	458	452	456	456	448	463	456	451	449	455	458	460	457	464	465	461	450	436	436	441	440	441	445	450	452
24 Q	453	453	459	455	465	462	463	461	462	463	462	462	461	464	465	464	450	436	430	437	449	455	452	461	456
25	466	461	463	460	463	459	460	453	442	447	450	445	446	450	451	454	445	444	428	423	439	458	464	465	452
26 D	465	453	462	458	440	436	437	441	431	418	435	442	435	444	457	446	441	430	417	414	421	425	440	454	439
27	447	440	450	445	456	451	444	455	462	469	463	464	464	471	457	452	454	438	431	431	432	441	451	463	451
28	472	465	456	455	460	459	449	460	462	464	468	466	470	469	462	446	432	419	396	396	411	422	431	447	447
29	454	446	453	449	431	434	450	449	440	455	460	462	462	462	463	453	442	421	405	408	421	439	451	463	445
30	466	455	449	449	454	457	463	462	461	462	468	469	470	474	473	465	449	436	427	425	433	444	454	461	455
31	462	460	463	471	472	467	457	456	449	448	459	470	474	468	473	468	445	412	408	423	434	437	447	463	454
MEAN	459	456	456	456	455	457	453	453	451	454	453	455	458	460	460	456	443	429	423	424	431	439	448	454	449

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 23 VICTORIA D = 22 DEG 00.0 MIN EAST + AUGUST 1970

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	21.0	23.7	24.7	24.8	23.6	23.9	23.5	23.8	23.8	23.2	22.8	24.5	26.1	27.8	30.3	33.2	34.4	30.3	24.8	20.9	18.9	17.5	16.9	18.0	24.3
2	21.5	22.5	25.7	23.1	21.9	21.9	22.1	22.6	23.3	25.2	23.5	24.7	25.5	27.7	28.8	30.5	30.3	29.4	27.9	25.2	21.6	18.8	17.8	18.7	24.2
3 Q	20.1	21.0	21.4	22.0	22.6	22.3	22.5	23.4	23.2	24.0	24.5	25.8	26.7	28.2	29.7	31.9	33.1	30.3	26.0	24.5	22.0	20.1	18.6	18.8	24.3
4 Q	20.5	22.3	22.7	23.1	22.9	22.7	22.9	23.0	23.5	24.5	24.0	24.7	25.7	26.9	27.7	28.1	28.9	29.1	25.3	21.8	17.9	16.8	17.0	18.4	23.3
5 Q	19.9	21.2	22.5	23.4	23.7	22.9	22.8	22.7	22.8	23.3	23.6	24.2	24.8	25.6	27.2	28.7	30.3	31.1	29.0	25.0	22.3	20.3	18.7	18.9	24.0
6	20.2	22.0	23.0	23.0	22.9	23.0	23.1	23.3	23.6	25.4	26.7	24.8	25.3	26.3	27.5	29.2	31.5	30.0	27.6	23.9	20.1	18.3	17.1	16.0	23.9
7	16.4	17.3	20.2	20.6	21.0	21.7	22.4	22.7	23.4	24.2	24.9	25.4	26.7	28.4	30.4	32.3	32.5	30.9	27.4	22.6	18.4	16.8	16.5	17.3	23.3
8 D	17.9	20.1	22.6	21.9	21.2	22.8	22.9	28.4	32.0	45.1	32.5	28.6	25.9	26.5	30.9	31.6	31.8	32.2	28.6	24.1	19.8	18.3	18.8	19.6	26.0
9 D	17.6	19.0	28.4	21.5	22.5	25.4	23.7	22.9	20.2	23.3	20.7	16.9	23.5	27.4	29.2	30.9	30.7	29.6	27.5	24.1	22.2	21.3	21.2	21.6	23.8
10	21.9	22.6	23.3	23.4	23.2	23.8	24.4	25.4	26.1	26.3	25.6	22.7	21.7	25.3	29.0	29.4	31.7	30.1	27.2	23.6	22.0	19.8	18.8	18.9	24.4
11	20.6	22.1	22.8	22.7	26.8	23.5	23.6	24.0	22.5	23.6	25.6	25.8	26.1	24.9	26.8	29.7	32.2	32.0	30.3	25.6	21.9	19.4	17.1	18.0	24.5
12	19.0	20.6	20.3	22.4	23.7	25.0	23.6	24.0	27.1	26.2	23.6	24.0	24.5	25.9	27.6	29.6	31.3	31.7	27.9	23.0	14.3	14.7	16.8	19.1	23.6
13	21.7	23.5	23.4	23.3	22.6	23.4	23.7	22.6	23.6	22.7	23.8	24.7	25.8	25.8	29.2	33.0	33.6	31.9	29.1	21.8	17.4	16.5	16.9	19.9	24.2
14	21.8	23.9	23.5	22.7	22.2	22.6	24.2	23.1	22.7	23.5	24.5	24.4	25.9	27.3	29.2	31.5	33.9	31.8	24.5	19.9	18.1	17.2	17.4	18.5	23.9
15	20.6	22.0	21.9	21.8	21.6	21.8	21.6	22.2	22.4	23.6	23.9	25.1	26.3	27.7	29.5	32.2	33.6	32.4	27.1	20.9	16.6	15.9	15.5	16.4	23.4
16	19.5	20.5	20.6	20.6	21.8	24.7	23.7	23.9	23.4	23.6	24.1	24.5	25.5	28.7	31.3	32.2	33.9	31.9	26.3	20.8	18.7	19.0	15.7	7.3	23.4
17 D	6.2	14.6	19.0	23.2	39.1	26.7	51.7	34.3	27.7	41.1	39.7	35.3	31.4	25.4	31.7	31.5	30.4	26.3	19.9	16.6	18.0	20.2	21.2	22.3	27.2
18 D	21.9	27.1	23.6	27.9	24.0	25.9	27.6	27.9	30.5	29.9	29.3	34.8	30.1	28.3	24.8	30.2	26.6	23.6	19.7	21.3	19.6	19.3	19.7	20.1	25.6
19	25.0	22.3	26.7	25.2	24.8	27.7	25.4	23.6	24.1	21.3	18.8	24.0	25.5	25.3	27.8	31.1	32.2	31.9	29.0	23.9	21.3	19.3	19.2	20.8	24.8
20	22.3	23.5	23.8	23.8	23.9	24.1	24.1	24.4	25.4	27.5	25.6	24.7	27.0	29.4	29.4	31.0	32.6	32.1	30.8	28.5	24.4	21.5	18.6	17.5	25.7
21	19.4	22.2	23.9	23.9	23.6	24.0	24.0	24.9	24.0	23.5	23.5	22.7	25.8	27.1	29.8	32.2	34.6	33.6	31.3	27.1	22.3	18.6	17.1	18.0	24.9
22	20.0	21.9	23.3	23.8	24.5	24.2	23.9	23.6	23.7	24.6	24.5	22.4	20.8	28.5	31.3	33.2	32.3	31.4	28.7	24.3	21.0	18.0	17.1	18.7	24.4
23	21.9	23.6	23.8	23.8	24.0	24.6	26.5	26.6	30.5	27.8	24.9	24.0	22.9	25.9	29.5	32.2	34.1	31.2	28.3	24.6	21.7	21.1	21.0	20.7	25.6
24 Q	21.1	23.1	23.6	24.2	22.7	22.9	23.6	23.7	23.9	24.0	23.0	22.6	23.4	24.4	26.3	28.4	30.7	31.6	28.5	23.7	21.0	20.7	21.6	23.4	24.3
25	25.8	26.8	26.9	26.7	25.3	23.3	24.3	23.8	25.0	23.6	24.9	23.7	25.2	27.1	26.7	27.5	27.1	26.8	25.1	21.4	18.3	18.8	20.0	22.5	24.4
26 D	24.2	24.9	24.4	23.9	29.4	27.6	27.3	29.6	27.0	30.1	27.7	32.5	19.9	23.0	28.3	30.2	28.2	28.0	25.6	23.0	21.1	20.3	21.1	21.8	25.8
27																									
28	24.1	25.7	25.1	24.7	23.9	24.0	23.9	22.7	22.5	23.5	24.5	24.9	25.6	26.7	27.9	30.3	31.1	27.3	22.6	17.1	14.9	14.9	15.5	17.9	23.4
29	21.4	24.5	24.9	29.2	26.8	26.8	25.0	24.1	26.1	22.8	24.3	23.2	24.8	27.8	30.7	32.4	32.3	29.7	25.4	20.1	17.9	18.6	20.3	22.1	25.0
30	23.4	24.0	23.7	22.9	23.1	24.7	23.6	23.1	23.2	23.7	24.2	24.1	24.0	26.3	28.9	32.2	32.3	31.1	27.7	23.8	21.3	20.0	20.7	21.5	24.7
31	22.6	23.3	23.0	22.7	22.8	23.7	23.0	26.4	23.8	24.5	25.7	25.6	25.2	25.0	29.9	32.9	33.0	29.2	23.2	20.0	18.7	19.2	20.2	21.0	24.4
MEAN	20.6	22.4	23.4	23.5	24.1	24.1	24.8	24.6	24.7	25.9	25.2	25.2	25.3	26.7	28.9	31.0	31.7	30.3	26.7	22.8	19.8	18.7	18.5	19.1	24.5

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 24 VICTORIA Z = 53,000 GAMMA + AUGUST 1970

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	153	150	144	135	134	132	130	131	129	128	122	125	130	131	131	130	124	117	108	106	105	112	121	127	127
2	128	135	139	137	135	133	131	128	127	126	124	125	125	127	125	123	119	103	100	105	103	107	114	120	122
3 Q	127	127	130	128	125	121	120	122	122	120	120	122	122	124	124	127	123	113	103	101	104	101	109	118	119
4 Q	122	123	121	116	117	115	118	119	119	119	119	119	119	119	117	118	118	116	110	101	102	110	115	124	117
5 Q	127	128	129	126	123	123	124	123	121	122	122	122	123	123	123	125	121	112	97	99	97	96	96	106	117
6	113	118	118	115	114	112	114	114	117	113	111	116	116	117	117	113	109	102	96	101	98	99	106	114	111
7	116	116	115	117	118	117	116	117	118	119	119	119	119	119	115	109	102	92	78	75	81	83	93	112	108
8 D	124	126	140	139	128	123	127	128	93	34	3	3	72	115	126	128	129	123	117	117	117	122	134	141	109
9 D	155	171	186	147	141	143	135	131	116	117	118	88	104	117	130	129	129	122	120	117	112	109	120	127	129
10	127	130	127	128	125	124	124	124	118	115	119	114	108	114	121	119	120	110	99	100	105	104	109	118	117
11	123	125	133	132	130	124	125	125	118	102	106	115	119	119	120	122	123	117	113	110	107	108	116	127	119
12	146	149	144	152	151	133	130	129	123	117	121	122	124	127	128	129	124	120	111	102	90	103	120	126	126
13	133	132	130	124	124	126	125	125	123	120	118	119	124	122	126	127	122	112	97	87	86	96	109	122	118
14	132	129	130	128	127	123	121	119	119	116	116	116	117	120	122	122	118	96	82	90	102	110	119	117	116
15	116	120	125	120	123	123	123	121	121	118	117	118	118	121	125	127	117	104	91	86	92	98	104	113	114
16	123	128	127	117	122	125	121	119	119	117	117	113	116	117	120	120	118	109	97	96	107	110	115	107	116
17 D	131	153	165	311	200	208	18	71	-12	83	81	97	134	105	116	118	97	94	124	135	138	141	150	161	126
18 D	181	217	181	186	171	141	151	128	128	122	70	47	32	35	37	87	87	82	94	117	121	131	139	149	118
19	187	178	180	158	151	148	141	140	139	127	105	121	130	130	126	127	128	132	128	128	130	127	127	130	138
20	134	135	131	130	129	132	131	134	127	131	131	127	127	130	133	127	127	122	118	117	115	115	119	127	127
21	134	137	135	134	133	133	134	132	131	131	130	123	127	129	131	130	124	122	118	111	112	114	119	122	127
22	124	130	129	126	126	126	127	126	126	125	124	122	103	111	116	115	115	107	103	101	100	100	115	127	118
23	133	133	133	132	132	128	118	124	115	116	121	123	125	127	134	133	129	120	113	109	113	117	122	126	124
24 Q	132	131	131	128	127	125	124	123	123	123	126	124	127	128	129	129	130	124	117	113	121	125	133	136	126
25	140	138	133	130	128	124	123	120	117	117	114	111	109	107	117	112	109	105	105	104	113	124	135	145	120
26 D	149	142	135	133	136	131	135	114	104	101	106	96	78	72	96	102	98	101	108	118	124	127	136	146	116
27	152	149	149	141	137	121	121	125	117	109	106	107	107	105	95	78	77	78	77	93	103	113	125	130	113
28	135	131	125	123	124	127	128	128	125	121	122	122	124	124	128	118	109	92	84	93	109	116	124	134	119
29	134	129	128	135	134	138	135	128	124	121	121	122	118	124	129	133	132	123	113	111	120	127	130	135	127
30	136	137	133	131	129	127	125	123	120	122	123	123	122	125	128	132	130	121	114	115	116	118	121	123	125
31	121	122	121	121	122	121	126	125	126	117	132	131	131	123	115	119	112	105	106	110	116	123	129	132	121
MEAN	135	138	137	138	133	130	123	123	117	115	112	111	115	116	119	120	117	110	105	105	108	112	120	127	120

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 25 VICTORIA H = 18,500 GAMMA + SEPTEMBER 1970

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	469	467	463	465	465	465	462	462	440	435	439	458	477	488	466	442	434	424	423	429	450	457	465	458	454
2	450	446	448	453	461	457	461	463	465	466	471	465	452	460	449	443	424	401	397	416	425	434	447	457	446
3	462	459	458	453	444	450	455	460	470	441	437	459	452	461	464	452	449	437	427	419	426	428	452	442	448
4	465	455	456	458	457	461	462	460	462	459	466	460	462	471	472	461	434	432	423	417	415	421	440	455	451
5	454	464	464	463	460	462	463	463	466	462	462	461	465	463	464	445	425	429	421	422	422	445	439	444	451
6 Q	456	462	465	464	460	462	460	464	466	465	467	466	465	469	463	453	439	426	416	425	437	447	452	460	455
7	467	462	466	463	466	464	462	464	464	465	467	471	467	472	471	462	449	439	432	429	434	436	449	458	457
8	462	462	465	470	473	471	462	463	472	468	468	462	469	471	465	459	461	452	434	428	428	430	436	442	457
9 Q	452	458	464	467	470	466	461	465	464	464	464	465	466	463	462	447	446	439	431	425	417	428	446	454	454
10	453	454	452	454	439	447	454	457	458	457	458	457	459	458	460	447	430	419	418	422	431	450	463	470	449
11 Q	464	458	459	462	461	461	465	463	465	464	464	463	462	465	466	460	447	436	432	435	438	449	464	475	457
12 Q	477	476	472	473	467	470	466	466	464	467	468	469	468	468	468	459	446	439	439	441	450	459	470	474	463
13 D	472	467	470	467	469	463	433	428	438	438	441	449	453	445	471	460	439	426	433	419	401	423	441	429	445
14 D	444	449	447	442	451	458	459	457	464	453	453	447	454	447	442	436	430	412	406	396	395	421	442	455	440
15	447	446	425	442	436	444	447	457	457	456	460	460	457	457	459	448	431	417	419	423	433	438	444	457	444
16	459	454	449	461	456	447	446	458	456	455	460	461	455	462	462	451	437	427	420	427	441	448	462	466	451
17	468	463	458	454	454	462	457	443	454	457	461	463	463	464	463	455	443	431	429	431	440	445	451	461	453
18	468	459	455	452	446	451	448	466	444	449	458	459	463	460	463	451	444	428	422	427	433	448	463	465	451
19	470	466	462	462	451	435	445	457	444	435	443	458	464	463	463	465	449	430	425	420	423	436	436	452	448
20	459	457	459	460	460	435	456	449	454	451	453	452	459	460	458	460	451	444	442	438	437	450	461	446	452
21 D	440	443	446	457	451	436	433	444	432	451	458	457	456	456	453	460	449	429	404	426	442	438	450	455	444
22	461	452	454	449	454	452	454	455	460	462	461	456	457	459	463	458	444	425	431	444	448	447	450	457	452
23	454	450	455	460	457	461	460	459	448	445	449	452	464	466	467	462	452	436	427	429	437	444	456	457	452
24	456	450	458	456	451	454	447	442	444	455	463	463	464	465	467	454	443	431	429	431	440	449	454	456	451
25	458	460	462	460	450	441	442	448	468	451	461	465	466	465	464	457	443	431	426	437	444	450	454	460	453
26	460	456	459	452	449	453	457	460	462	458	466	471	471	469	471	459	444	433	429	429	435	448	455	451	454
27 D	443	446	445	451	437	445	442	428	451	455	451	462	463	460	460	445	435	423	412	418	433	439	438	434	442
28	438	441	451	449	452	457	456	460	460	463	468	469	470	468	465	461	456	441	435	434	440	440	448	454	453
29 Q	456	463	468	471	474	466	464	464	463	466	471	470	468	467	465	464	454	448	443	444	448	458	453	454	461
30	464	467	464	467	465	466	469	467	469	469	465	473	475	476	473	467	463	453	449	445	443	443	457	466	463
MEAN	458	457	457	459	456	455	455	456	457	456	459	461	463	464	463	455	443	431	426	428	433	442	451	455	452

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 26 VICTORIA D = 22 DEG 00.0 MIN EAST + SEPTEMBER 1970

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	22.3	23.5	23.7	23.1	23.0	23.1	23.0	35.0	32.6	28.2	21.6	31.5	30.7	34.8	35.2	32.9	30.9	28.1	23.7	20.8	17.0	16.9	17.5	19.9	25.8
2	21.2	21.6	21.0	21.3	21.8	21.7	23.0	22.8	23.6	24.6	22.5	30.5	29.5	27.2	28.8	28.8	30.4	29.9	25.7	20.5	18.1	17.4	18.8	20.2	23.8
3	22.4	23.6	23.2	24.4	25.8	21.8	22.4	22.7	25.2	27.4	27.7	23.3	29.0	27.8	31.2	32.9	32.5	29.4	26.1	22.7	20.4	19.8	18.2	20.2	25.0
4	19.9	21.4	21.7	21.9	22.7	23.2	23.1	22.8	25.2	24.3	24.1	25.5	23.7	26.0	29.4	32.0	32.2	30.2	27.4	23.1	20.5	18.7	18.9	19.2	24.0
5	21.3	22.1	22.6	23.5	25.2	23.7	23.8	23.6	23.9	23.9	23.7	24.7	25.0	26.9	29.7	31.7	30.8	29.7	25.6	22.0	18.2	15.5	16.7	18.7	23.9
6 Q	20.9	22.0	22.6	23.1	23.5	23.7	22.9	22.9	23.1	23.5	23.6	23.6	25.1	26.3	28.4	29.9	30.8	29.1	25.1	18.4	16.5	15.7	16.3	18.7	23.2
7	21.0	23.3	23.2	23.0	23.5	23.1	23.5	23.4	24.0	24.2	24.6	24.8	24.3	26.2	29.3	30.9	31.3	28.8	25.3	22.7	20.7	18.5	18.0	20.1	24.1
8	21.7	22.5	22.6	22.5	22.7	23.2	25.1	24.0	22.4	23.7	24.9	25.6	25.5	26.6	25.1	27.5	29.2	29.3	28.4	23.0	21.7	21.8	20.2	20.7	24.2
9 Q	21.4	22.2	22.6	22.7	22.8	22.6	22.2	22.5	23.6	24.2	24.6	25.2	25.6	26.8	28.5	30.1	29.3	27.3	25.7	23.1	21.9	19.1	18.6	19.8	23.8
10	20.8	21.6	19.9	19.4	21.8	22.2	22.9	22.5	22.8	23.9	24.2	24.5	25.1	26.3	27.5	29.7	30.4	28.3	25.3	22.2	20.5	19.8	20.0	20.8	23.4
11 Q	22.1	23.0	22.7	22.8	23.4	23.6	23.8	24.0	24.2	24.3	24.6	24.8	25.4	26.4	28.0	30.3	32.4	31.0	28.1	24.3	22.4	21.6	22.0	22.2	24.9
12 Q	22.7	21.8	21.6	21.3	25.2	27.0	23.8	20.6	24.4	24.8	24.4	25.3	25.8	26.6	27.6	28.8	30.0	27.2	23.1	21.4	19.8	19.8	20.9	21.4	24.0
13 D	22.0	22.3	21.9	22.0	24.0	29.3	25.0	25.7	25.2	23.6	29.5	33.5	32.9	29.7	32.5	32.5	29.9	25.0	22.6	21.7	18.3	17.7	17.9	19.9	25.2
14 D	23.1	25.9	24.2	22.6	22.3	22.6	23.9	23.8	25.1	25.1	25.5	17.9	27.9	28.5	26.6	24.6	28.4	28.8	25.5	22.4	20.4	19.0	21.0	21.3	24.0
15	23.9	25.0	28.0	27.8	25.3	23.0	23.5	21.9	22.1	24.0	24.9	26.5	25.1	28.0	28.9	29.5	30.4	29.2	25.3	23.0	21.3	20.6	21.0	22.7	25.0
16	24.6	24.9	26.2	23.7	23.3	25.4	23.5	21.9	24.5	25.1	23.6	24.7	24.0	24.3	27.5	28.9	30.6	30.2	26.9	22.3	19.1	18.4	20.0	21.8	24.4
17	23.5	24.3	24.2	23.9	24.5	28.3	25.3	25.5	22.1	23.5	23.6	24.4	24.5	26.0	27.9	29.1	30.4	27.2	23.4	20.1	18.6	18.3	19.8	21.7	24.2
18	24.0	24.5	24.5	25.5	25.4	24.2	23.8	24.6	27.6	25.2	23.7	24.2	24.9	25.7	26.6	27.5	30.7	30.1	23.3	21.2	19.5	20.0	21.6	22.3	24.6
19	23.6	24.2	24.4	24.3	24.8	30.8	25.5	27.0	26.7	33.6	30.5	25.5	24.3	23.7	26.8	30.2	31.1	31.8	25.8	22.2	17.9	18.1	19.4	21.1	25.6
20	22.5	23.5	23.1	23.0	23.4	30.2	27.2	24.0	23.8	23.6	25.5	24.6	25.6	24.6	24.7	27.2	29.5	27.7	25.6	21.7	19.4	19.7	20.8	22.0	24.3
21 D	22.4	23.1	26.6	27.8	24.0	25.2	26.5	32.7	31.3	26.4	24.2	24.5	18.7	21.3	26.7	29.1	30.3	29.4	25.5	21.0	19.8	19.8	21.4	22.6	25.0
22	23.8	26.0	28.1	23.9	31.0	25.2	23.6	23.4	23.1	21.8	26.7	25.2	26.0	25.4	26.1	28.5	29.4	26.6	23.2	21.4	20.8	20.7	22.0	22.4	24.8
23	23.9	23.5	23.0	22.9	23.4	23.2	25.7	26.5	28.6	23.4	30.7	27.7	26.4	26.8	27.6	29.4	30.1	29.0	27.1	23.5	21.3	20.4	21.1	22.7	25.3
24	22.6	23.7	23.5	24.1	23.4	23.2	23.9	25.1	27.0	25.8	25.7	24.8	24.5	24.8	26.0	28.3	30.1	30.0	27.7	23.9	22.2	21.0	20.9	21.5	24.7
25	21.9	22.3	22.5	22.5	24.6	22.5	23.7	24.4	22.3	28.6	25.2	24.3	24.1	24.7	26.1	28.5	30.2	28.9	23.0	18.9	18.3	18.7	20.9	22.5	23.7
26	23.1	23.0	22.1	22.8	22.5	21.7	22.7	22.6	22.6	24.6	24.6	25.2	25.3	26.0	27.1	29.4	30.1	28.4	25.5	22.3	20.0	19.1	19.5	20.0	23.8
27 D	20.7	20.7	20.8	19.4	20.9	21.1	21.0	21.4	26.8	25.2	25.8	27.8	26.7	26.7	26.3	26.2	25.0	24.5	20.7	19.3	19.4	19.4	20.4	20.8	22.8
28	21.5	22.9	23.2	23.6	24.1	23.4	23.7	23.7	24.0	24.0	24.4	24.8	25.0	25.9	26.7	28.6	29.9	29.1	26.5	24.1	22.4	22.2	22.3	22.3	24.5
29 Q	22.0	21.8	22.4	22.2	22.2	22.7	23.3	23.5	24.4	24.0	24.0	24.0	24.7	25.4	26.5	27.2	29.3	28.8	27.2	24.8	23.5	21.2	20.2	20.5	24.0
30	20.4	20.6	21.5	22.8	24.5	21.7	21.8	23.0	23.3	24.3	24.7	25.3	25.6	26.1	26.6	28.3	29.5	28.7	26.7	25.1	22.3	21.0	20.5	20.2	23.9
MEAN	22.2	23.0	23.3	23.1	23.8	24.1	23.8	24.2	24.8	25.0	25.1	25.5	25.7	26.4	27.9	29.3	30.2	28.7	25.4	22.1	20.1	19.3	19.9	21.0	24.3

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 27 VICTORIA Z = 53,000 GAMMA + SEPTEMBER 1970

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	131	127	125	121	122	122	127	111	92	106	63	86	127	134	125	111	93	89	87	88	99	104	112	119	109
2	125	128	123	124	126	126	129	127	126	124	93	81	104	117	118	118	116	109	109	109	116	124	130	133	118
3	130	128	124	126	129	126	123	122	118	105	114	95	82	112	124	124	123	113	110	100	101	106	118	117	115
4	128	123	121	120	120	119	120	121	114	119	121	118	118	119	126	126	118	110	102	101	108	116	122	129	118
5	130	130	125	123	122	121	121	119	122	118	119	120	119	115	121	119	114	104	91	82	84	96	105	122	114
6 Q	124	119	119	115	118	115	114	117	115	116	116	114	119	118	117	113	107	97	89	91	95	103	111	115	112
7	119	118	115	114	113	111	113	112	114	114	113	114	114	114	117	119	119	113	109	107	110	117	120	121	115
8	121	118	114	115	114	114	116	118	110	108	113	114	115	116	111	106	106	98	94	95	100	104	109	116	110
9 Q	120	118	118	117	117	117	116	117	118	117	117	118	115	116	119	121	121	112	105	104	104	109	118	123	116
10	129	132	128	129	135	132	129	124	125	123	122	120	120	120	122	122	114	106	105	105	110	116	120	122	121
11 Q	119	124	122	122	121	120	119	119	118	116	118	117	118	120	123	125	124	115	107	103	105	111	117	120	118
12 Q	119	111	110	114	116	116	115	106	90	110	114	115	115	116	117	117	116	109	103	99	105	109	115	115	111
13 D	114	108	110	112	115	113	116	112	85	52	48	80	74	40	67	97	104	99	101	97	101	115	130	137	97
14 D	137	142	136	131	127	128	127	126	115	113	118	75	78	72	70	65	75	88	95	98	108	119	127	129	108
15	129	127	138	141	142	138	133	128	122	122	119	114	108	111	119	121	119	114	110	111	111	113	117	119	122
16	120	118	120	121	119	124	125	123	110	116	118	113	113	116	116	117	119	114	112	106	107	113	121	123	117
17	120	117	116	118	120	122	105	114	119	119	120	119	116	117	118	120	113	106	100	102	106	109	115	117	115
18	117	114	114	114	115	118	116	112	99	112	113	117	117	115	119	117	114	106	104	100	109	115	118	120	113
19	120	114	113	114	114	119	124	122	106	96	101	115	116	113	117	120	120	117	113	111	116	124	128	129	116
20	125	128	128	124	126	128	129	125	126	105	112	117	114	111	109	109	113	115	108	108	113	121	135	136	119
21 D	138	140	143	138	132	134	135	109	93	117	128	125	94	76	78	88	98	104	110	120	121	123	132	135	117
22	127	124	127	121	123	116	120	118	118	103	102	109	113	116	120	122	120	112	102	102	103	113	121	126	116
23	129	128	125	121	118	119	118	117	110	101	94	110	113	113	117	121	122	117	117	117	120	124	123	121	117
24	122	118	120	120	120	122	121	123	123	120	120	120	120	120	122	124	124	121	119	117	118	116	120	121	120
25	124	122	125	125	126	130	133	136	115	111	124	124	123	123	124	124	121	109	102	102	105	111	121	125	120
26	125	120	124	126	128	127	130	127	125	124	125	124	121	122	125	126	123	112	105	98	101	105	112	118	120
27 D	119	122	124	131	137	145	145	135	125	126	123	108	115	119	117	115	116	114	109	110	109	118	126	130	122
28	132	132	132	129	130	126	128	128	128	125	124	124	123	122	126	128	129	124	119	117	118	120	124	118	125
29 Q	117	119	120	122	123	120	123	124	124	122	122	119	119	118	121	120	122	115	110	107	104	100	97	105	116
30	111	116	118	122	123	124	121	121	121	121	118	120	120	118	118	123	121	115	115	111	108	105	110	115	117
MEAN	124	123	123	122	123	123	123	120	114	113	112	112	112	112	115	116	115	109	105	104	107	113	119	123	116

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 28 VICTORIA H = 18,500 GAMMA + OCTOBER 1970

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	463	458	463	466	462	461	463	465	468	468	467	470	472	468	465	459	456	448	438	424	437	443	456	455	458
2	451	454	461	463	462	465	461	466	466	472	466	468	468	473	468	462	451	436	427	433	435	447	448	455	457
3	458	456	458	456	460	459	462	463	464	467	470	467	469	472	462	455	456	457	442	425	428	434	440	455	456
4 D	462	466	459	457	429	443	446	453	463	444	440	443	456	446	456	453	443	420	419	424	429	440	446	459	446
5	464	463	455	459	460	461	473	453	458	459	467	462	463	465	462	457	448	435	429	425	437	444	451	460	455
6	463	459	462	462	462	460	463	459	462	463	464	465	468	468	464	455	444	439	423	425	434	441	447	459	455
7 Q	464	465	467	464	465	464	465	468	469	469	468	469	469	470	472	459	451	435	422	426	432	441	453	460	458
8 Q	463	469	467	467	465	467	466	469	470	465	467	470	472	470	464	462	449	443	438	443	448	451	457	461	461
9 Q	463	465	466	468	468	471	468	469	472	470	472	472	472	474	472	463	451	442	434	440	446	451	459	464	462
10	467	465	468	468	468	466	467	452	456	467	469	471	471	471	472	463	449	438	434	435	438	447	449	445	458
11	443	440	436	441	444	431	428	411	415	422	438	444	443	449	457	449	440	431	421	424	446	457	454	454	438
12	441	451	428	423	382	417	423	420	423	437	449	452	456	461	459	454	444	435	426	429	435	441	447	451	437
13	454	457	459	457	453	447	440	464	459	463	465	467	471	468	470	458	448	438	427	426	433	440	445	447	452
14	452	439	442	448	453	459	453	454	462	458	462	467	467	467	463	452	443	431	423	423	427	433	457	454	450
15 Q	447	450	455	454	454	451	455	456	457	462	462	467	468	472	470	468	450	440	435	433	436	442	451	455	454
16 D	459	463	466	464	463	463	464	466	466	481	479	463	464	473	472	445	398	390	359	387	409	409	404	401	442
17 D	415	423	421	427	421	417	403	409	415	413	433	436	442	444	444	420	393	391	390	403	413	403	414	407	417
18 D	409	416	408	409	416	427	427	430	404	430	441	441	438	442	434	425	405	410	407	407	414	415	411	427	421
19	436	442	437	436	446	439	436	438	450	447	449	452	452	457	456				392	403	414	429	432	435	437
20	441	442	441	441	440	439	438	444	446	449	453	454	459	459	461	460	452	444	429	422	423	431	444	450	444
21 Q	455	457	459	462	460	461	459	461	461	462	461	463	463	462	462	459	451	443	439	439	442	452	454	454	456
22	452	457	455	453	446	443	448	464	464	458	450	447	456	454	466	467	462	443	420	402	407	423	419	416	445
23 D	420	409	402	411	414	408	414	430	435	448	448	453	464	463	435	443	447	434	415	407	417	413	428	428	429
24	426	432	432	428	425	424	437	436	427	445	449	449	450	443	449	445	436	427	413	406	415	427	435	441	433
25	446	445	448	453	454	456	460	466	455	457	456	459	456	448	462	456	443	433	427	424	423	428	438	446	447
26	454	454	454	457	460	460	460	461	464	468	467	463	466	465	468	466	460	454	448	445	444	450	451	452	458
27	455	461	466	464	462	466	464	464	466	467	469	470	468	469	467	467	461	456	443	439	440	442	449	452	459
28	459	461	456	468	465	465	451	453	462	461	462	464	465	463	457	461	463	455	435	422	422	428	427	442	453
29	444	451	455	458	459	459	463	455	460	460	460	465	465	461	459	458	443	425	406	396	406	426	420	421	445
30	434	442	436	446	446	457	457	458	458	461	460	460	462	461	458	451	435	425	418	417	427	437	450	458	446
31	463	464	464	465	467	462	462	464	465	473	464	464	467	465	461	455	450	439	429	426	433	445	451	456	456
MEAN	449	451	450	451	449	451	451	452	454	457	459	460	462	462	461	455	444	435	423	422	429	436	442	446	448

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 29 VICTORIA D = 22 DEG 00.0 MIN EAST + OCTOBER 1970

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	21.5	23.3	22.6	23.1	22.9	25.9	23.5	22.8	22.8	23.4	24.4	24.5	24.7	25.2	26.7	26.2	28.0	28.1	27.8	23.2	17.9	18.9	19.6	19.3	23.6
2	20.6	21.2	22.0	23.4	23.4	23.3	23.5	23.4	23.7	24.7	27.3	25.7	26.0	24.6	26.1	28.8	30.2	31.0	26.4	23.1	20.6	19.2	19.1	19.7	24.0
3	18.8	19.5	19.9	21.8	24.2	22.8	22.7	23.2	24.0	25.0	23.8	24.2	24.8	25.0	27.0	27.7	25.4	25.4	25.3	24.3	22.5	18.7	18.7	18.9	23.1
4 D	19.3	17.7	19.6	21.0	30.1	24.8	24.7	32.2	26.1	25.7	20.3	18.1	23.4	21.6	24.4	29.1	29.6	29.3	27.0	24.4	21.8	21.7	22.0	21.9	24.0
5	22.1	22.6	24.8	23.9	23.2	24.1	22.2	23.6	24.2	20.9	23.9	24.5	24.8	25.2	27.2	29.9	31.0	30.1	26.4	24.3	21.5	20.4	20.8	21.9	24.3
6	22.4	22.7	23.3	22.6	22.8	23.0	23.3	23.8	23.0	23.4	22.9	22.7	24.1	25.6	27.2	29.4	29.6	28.1	25.7	23.0	21.0	20.6	20.7	21.3	23.8
7 Q	21.7	22.1	22.4	22.7	23.1	23.0	22.7	23.7	22.5	23.2	23.6	24.0	24.0	24.3	25.8	28.2	29.7	29.4	28.1	24.2	21.0	20.3	20.3	20.9	23.8
8 Q	21.3	21.2	21.5	22.5	22.6	22.5	22.5	22.9	23.1	23.3	23.4	23.6	23.8	24.1	25.1	27.7	28.7	29.0	26.7	22.4	19.7	19.7	20.1	20.5	23.2
9 Q	21.3	20.8	21.5	22.1	22.5	22.7	22.3	23.2	23.3	23.3	23.5	24.1	23.7	24.6	24.9	26.7	28.3	28.5	25.2	21.6	19.1	19.2	20.7	21.9	23.1
10	21.6	20.7	21.3	22.0	22.4	21.6	17.2	21.9	25.6	24.1	23.9	24.0	24.0	24.8	25.9	28.4	30.6	28.7	23.9	20.3	17.4	17.7	17.8	16.8	22.6
11	16.2	15.0	17.3	22.0	21.9	23.2	22.8	28.2	32.0	34.6	33.1	26.6	32.4	29.5	27.0	25.6	25.3	23.8	22.0	18.9	19.7	20.8	19.0	19.2	24.0
12	18.6	15.9	15.0	19.3	28.4	25.1	29.1	30.3	28.0	26.5	27.2	28.5	25.3	26.1	26.8	28.4	29.0	28.9	27.1	26.4	24.3	23.7	23.2	23.0	25.2
13	22.1	22.0	22.4	22.8	22.9	26.5	25.7	23.5	22.7	23.1	23.5	23.8	20.9	25.6	25.8	24.8	23.3	25.9	23.0	22.4	20.8	21.0	22.2	22.5	23.3
14	22.0	22.1	22.0	23.4	25.0	22.6	22.2	20.0	20.4	24.7	25.0	26.4	26.4	25.7	26.3	27.9	29.0	28.1	25.5	21.9	19.3	19.0	20.3	21.2	23.6
15 Q	21.1	21.4	22.3	22.7	22.8	22.7	22.3	22.5	22.5	23.2	23.6	23.7	23.8	23.6	23.9	26.9	29.5	29.3	25.5	21.7	20.0	20.0	20.5	21.3	23.2
16 D	22.3	22.0	22.6	22.9	22.6	22.9	22.4	22.4	22.2	22.3	23.6	20.8	37.9	34.8	26.9	25.2	25.7	21.4	22.5	11.9	21.0	22.4	23.3	23.3	23.6
17 D	23.7	24.1	24.0	22.9	22.7	23.9	31.3	29.3	32.1	31.2	28.9	27.4	26.0	27.0	22.3	19.8	19.8	22.2	16.5	12.3	14.7	19.5	23.1	24.6	23.7
18 D	22.0	16.0	17.9	19.5	22.0	23.8	24.2	33.0	35.4	29.4	25.0	24.4	18.6	22.6	23.7	23.2	24.7	24.8	25.2	21.9	21.0	20.6	20.7	21.0	23.4
19	22.1	23.1	23.6	23.7	24.6	24.7	24.7	25.6	23.2	26.1	23.7	24.7	24.8	23.8					25.1	24.4	23.4	22.6	21.9	21.6	23.9
20	21.6	22.0	22.2	23.3	24.4	25.7	23.5	23.2	26.1	22.6	25.9	25.3	23.9	25.3	25.3	27.3	29.0	28.2	27.1	24.8	23.2	22.1	22.0	22.3	24.4
21 Q	22.6	22.8	22.5	23.0	23.1	23.2	23.1	23.1	23.1	23.3	23.4	23.5	23.9	24.5	25.6	27.5	28.9	28.3	24.9	22.7	21.1	20.9	20.9	21.5	23.6
22	21.6	20.4	21.2	20.0	21.8	23.5	24.5	24.2	26.2	28.8	27.6	27.7	27.7	33.5	30.0	28.1	25.2	22.4	21.1	19.0	17.0	17.4	20.6	19.6	23.7
23 D	22.0	20.2	22.9	24.8	24.6	31.5	28.1	27.9	27.0	30.2	28.3	27.4	26.7	24.8	16.9	15.6	19.7	22.2	19.9	17.2	18.6	19.7	20.2	18.7	23.1
24	21.6	22.6	23.3	23.8	23.7	26.7	23.0	25.1	27.7	28.3	27.4	27.4	27.2	22.7	23.6	27.2	28.6	28.6	26.4	24.6	22.6	22.7	23.1	23.1	25.0
25	22.8	22.7	22.7	24.3	23.0	23.3	24.4	21.3	23.9	24.7	24.5	25.0	25.7	22.5	24.6	27.5	28.4	28.3	26.7	24.5	22.5	22.6	22.7	22.7	24.2
26	21.9	22.0	22.4	23.2	23.1	23.2	22.9	23.1	23.5	23.4	25.1	25.7	27.1	25.7	25.9	27.5	27.3	26.8	25.0	22.9	22.3	22.5	22.4	22.3	24.0
27	22.0	22.2	22.4	22.7	23.0	23.1	22.8	23.4	23.1	23.5	23.7	24.4	24.6	25.3	26.3	28.0	28.2	28.7	26.6	24.7	23.3	22.1	21.8	23.0	24.1
28	21.4	19.6	21.7	19.3	18.3	21.3	24.3	23.9	23.4	23.6	24.0	24.7	25.1	25.3	26.3	24.3	24.0	24.3	24.4	19.7	19.9	20.2	23.1	24.0	22.8
29	24.3	23.4	23.4	23.4	23.1	23.8	22.4	23.1	22.9	25.0	25.1	25.7	26.5	28.8	27.0	29.0	31.3	28.0	25.7	21.1	18.2	19.0	20.7	21.5	24.3
30	22.4	23.1	26.5	23.6	24.6	23.3	23.4	23.3	23.5	23.2	24.1	23.0	24.9	25.4	26.2	28.5	29.1	29.4	26.7	24.1	22.1	21.2	21.1	21.7	24.3
31	21.9	22.5	22.6	23.0	22.9	22.9	22.0	22.7	22.9	21.6	23.1	23.9	24.5	25.0	25.6	26.1	27.6	26.9	24.4	22.9	21.2	20.7	21.3	22.4	23.4
MEAN	21.5	21.2	21.9	22.5	23.4	23.9	23.7	24.5	24.8	25.0	24.9	24.7	25.4	25.6	25.6	26.7	27.5	27.1	25.0	22.0	20.6	20.6	21.1	21.4	23.8

VERTICAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 30 VICTORIA Z = 53,000 GAMMA + OCTOBER 1970

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	113	115	116	116	115	117	116	117	115	115	113	112	111	111	109	111	112	113	104	99	105	107	113	112	112
2	122	123	120	119	117	115	116	117	116	116	113	115	114	114	113	116	114	112	106	106	104	108	108	112	114
3	120	121	125	129	130	125	124	129	127	127	126	123	122	120	122	122	120	114	110	105	107	110	114	125	121
4 D	125	125	125	140	151	149	139	130	110	119	107	90	107	111	120	126	126	127	128	127	125	132	133	132	125
5	128	124	124	127	124	123	112	109	119	116	117	119	119	120	122	125	123	118	107	102	105	112	120	124	118
6	122	120	120	122	123	123	123	122	121	123	119	116	116	116	121	124	122	120	115	118	117	121	125	124	121
7 Q	120	120	120	121	121	120	119	119	115	118	119	120	119	119	118	127	125	116	109	105	107	116	121	121	118
8 Q	120	119	118	118	117	118	116	118	117	119	121	120	118	118	119	124	119	112	103	99	102	108	113	114	115
9 Q	112	114	116	116	117	117	115	119	115	114	116	115	114	114	117	119	118	112	104	104	105	115	119	119	114
10	114	114	120	120	119	118	115	99	116	121	120	117	116	116	117	118	117	107	101	99	99	105	109	116	113
11	119	130	140	148	145	149	150	150	129	123	128	119	104	109	103	101	98	99	97	101	109	114	117	121	121
12	125	136	153	168	188	171	152	141	133	129	118	122	128	127	128	134	132	127	124	126	121	119	118	116	135
13	115	117	120	120	120	122	123	119	118	122	119	117	106	102	112	118	114	109	106	106	112	115	116	116	115
14	117	118	121	124	126	125	124	128	112	116	119	118	114	116	120	125	125	120	113	110	110	116	121	117	119
15 Q	119	119	125	125	124	127	128	127	125	124	120	120	120	118	118	119	124	117	106	102	108	114	115	116	119
16 D	118	117	116	117	117	118	119	118	119	120	104	42	-19	34	82	85	77	83	85	105	127	133	137	135	100
17 D	137	133	132	132	131	132	134	116	107	97	99	81	61	38	48	67	64	78	82	85	102	133	179	206	107
18 D	206	198	206	225	168	152	142	137	118	128	130	128	118	123	125	123	121	128	122	123	126	129	131	134	143
19	135	134	134	133	132	131	133	132	105	116	120	115	114	108	109				127	121	118	122	120	123	123
20	125	124	126	127	129	131	124	118	119	111	95	106	103	106	114	117	115	115	112	111	115	118	120	120	117
21 Q	116	118	118	119	117	115	115	115	115	116	115	116	115	115	116	119	115	114	103	107	114	117	116	116	115
22	117	120	120	124	128	133	131	124	101	104	112	112	87	94	92	87	81	75	74	79	96	112	119	134	107
23 D	158	157	160	158	156	150	142	137	129	118	93	99	108	108	101	80	87	94	98	106	119	129	126	129	123
24	133	131	133	135	135	139	127	130	107	119	117	103	102	108	109	119	121	121	116	116	116	122	125	125	121
25	124	122	123	125	122	123	120	106	106	115	114	113	114	109	110	117	117	115	108	107	106	110	113	114	115
26	115	117	119	119	120	119	118	117	117	115	109	106	107	109	112	117	119	118	112	107	109	111	111	111	114
27	110	114	116	117	117	117	115	116	114	112	111	113	110	111	114	118	119	118	112	109	107	108	110	113	113
28	112	116	115	120	124	128	127	132	125	122	118	118	114	115	115	121	119	114	108	109	109	110	114	120	118
29	120	120	121	120	121	122	120	123	125	122	120	117	116	112	117	122	118	113	106	109	114	118	119	124	118
30	125	124	131	133	133	130	125	121	120	117	115	115	114	116	117	120	119	118	114	108	110	115	114	115	120
31	117	116	115	116	117	117	118	119	117	113	113	115	114	115	116	119	117	113	110	111	113	117	116	116	115
MEAN	124	125	127	130	129	128	125	123	117	118	115	111	107	108	111	115	113	111	107	107	111	117	120	123	118

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 31 VICTORIA H = 18,500 GAMMA + NOVEMBER 1970

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	458	461	465	468	469	470	469	465	466	465	467	470	468	467	466	463	454	449	444	434	439	446	454	456	460
2	462	466	467	468	470	469	465	468	479	471	465	471	473	468	464	466	462	454	446	439	438	447	453	460	462
3	456	459	467	463	454	457	459	463	465	462	464	466	465	464	464	464	461	452	447	443	442	436	441	449	457
4	448	451	449	454	454	458	457	461	461	452	458	463	459	463	463	461	457	456	452	444	445	440	446	455	454
5	463	457	466	463	464	459	458	458	465	456	460	464	465	468	470	464	457	448	435	429	420	424	430	448	454
6	457	463	462	456	463	455	449	449	442	437	445	449	446	461	469	460	448	436	424	415	420	425	440	452	447
7 D	466	441	435	440	416	419	417	394	345	302	238	197	412	381	414	436	434	428	417	400	385	416	437	423	396
8	421	436	435	438	443	445	444	445	446	444	443	439	445	448	441	445	445	440	428	418	424	430	435	438	438
9	444	451	452	451	447	436	443	444	445	444	444	450	455	457	459	450	445	444	440	442	434	441	445	451	446
10	454	447	441	450	448	455	450	454	454	461	435	455	455	455	451	436	455	442	431	423	421	420	434	442	445
11 D	438	414	435	436	451	455	445	446	445	446	446	456	454	453	456	449	434	449	449	437	419	410	433	440	442
12	449	451	453	447	458	457	451	458	452	444	449	454	460	451	451	463	450	442	429	421	420	428	437	445	447
13	454	455	452	451	457	454	450	454	458	458	460	461	457	459	471	467	459	446	441	431	428	427	437	442	451
14	444	442	450	456	458	463	463	456	461	460	461	461	462	462	462	458	458	450	434	429	429	433	444	453	452
15 Q	459	464	464	463	466	464	464	462	461	464	465	471	471	472	469	462	452	441	421	421	428	443	457	464	457
16	469	474	471	472	472	469	467	467	465	466	469	474	475	475	480	482	470	453	449	444	437	443	458	462	465
17	461	458	460	456	459	469	471	469	470	470	473	470	473	474	474	470	460	446	432	424	424	435	449	461	459
18	468	468	472	471	470	465	461	467	470	470	474	474	479	489	497	453	464	452	445	436	433	445	420	422	461
19	433	442	431	414	421	421	433	451	446	439	434	441	441	444	444	445	442	433	420	416	418	426	436	446	434
20 Q	453	458	457	459	459	460	458	457	458	462	463	466	468	468	466	465	457	443	434	427	427	435	441	445	454
21 D	454	457	449	439	447	453	457	461	460	438	434	429	393	381	433	421	427	426	410	416	425	431	443	446	435
22 D	437	430	439	432	445	445	438	441	448	434	449	446	442	445	460	443	436	419	407	401	407	417	425	429	434
23 D	433	432	434	432	435	428	424	417	408	415	415	417	456	460	438	425	440	445	424	410	424	427	422	426	429
24	441	445	444	444	445	455	458	457	454	458	458	462	464	463	460	454	443	443	449	437	433	432	439	444	449
25	454	462	459	465	459	458	459	458	459	469	464	468	465	464	467	458	453	444	439	447	447	444	452	454	457
26	455	461	465	464	464	465	465	463	463	463	465	461	467	469	467	455	452	460	460	441	430	442	450	457	459
27	463	465	464	462	462	459	466	462	466	467	463	465	463	459	466	458	456	448	439	450	446	444	445	450	458
28	458	458	464	461	456	464	460	462	465	465	465	466	467	469	464	455	461	453	444	438	437	440	455	461	458
29 Q	468	468	469	467	468	465	465	464	466	466	467	468	470	468	469	465	461	453	447	440	443	447	454	463	462
30 Q	471	475	474	473	472	470	468	469	467	468	470	469	469	470	468	468	462	455	447	440	441	447	455	463	464
MEAN	453	454	455	454	455	455	454	455	454	451	449	450	458	458	461	455	452	445	436	430	429	434	442	448	449

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 32 VICTORIA D = 22 DEG 00.0 MIN EAST + NOVEMBER 1970

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	22.5	22.2	22.7	22.9	22.7	23.0	22.9	22.9	22.7	23.4	23.3	23.9	24.4	24.8	25.3	26.7	27.8	27.1	25.6	24.6	22.4	21.0	21.0	21.8	23.6
2	22.0	22.4	22.5	22.8	22.9	22.6	22.5	22.9	21.6	24.3	24.8	24.8	22.9	26.5	26.7	26.5	27.3	27.5	25.7	24.3	23.2	22.3	22.1	21.2	23.8
3	20.9	21.1	21.7	21.7	21.8	22.7	23.6	24.2	24.9	24.7	23.9	24.1	24.7	25.0	25.1	26.6	27.6	26.5	23.4	21.8	21.2	21.0	20.2	21.2	23.3
4	21.3	20.7	21.4	22.9	23.3	23.5	23.7	23.8	21.2	25.0	26.2	27.1	25.8	24.7	25.5	27.3	28.2	27.0	25.5	23.9	22.1	21.8	20.5	20.7	23.9
5	21.0	21.2	20.9	22.0	22.5	23.0	24.1	24.8	25.1	24.2	23.8	23.7	24.1	25.0	25.4	25.9	27.0	28.7	27.7	25.6	23.3	21.3	20.1	20.4	23.8
6	21.6	23.3	22.9	22.7	25.4	26.1	24.5	24.8	25.5	30.8	28.2	28.2	23.4	19.1	23.2	25.2	28.5	28.5	26.6	25.2	23.3	22.4	20.9	21.3	24.6
7 D	22.5	34.0	26.1	22.7	31.5	28.7	26.4	26.1	25.4	45.9	32.5	12.9	26.2	23.0	18.8	25.4	27.6	27.0	25.4	24.1	23.6	21.9	22.8	23.7	26.0
8	23.6	23.5	24.6	25.9	23.2	23.8	23.5	23.5	23.5	24.9	25.6	23.9	23.7	23.8	23.6	24.5	26.4	27.3	26.9	25.5	24.4	23.6	23.2	22.9	24.4
9	22.7	22.7	22.8	23.5	23.5	26.0	25.4	23.9	25.0	24.1	23.3	24.7	24.2	24.8	25.2	24.3	23.2	23.0	23.5	24.3	24.1	23.8	23.5	23.3	23.9
10	22.8	22.9	24.7	23.6	23.4	26.9	23.4	23.4	23.5	24.6	30.0	29.8	29.9	27.3	23.5	17.1	20.8	23.6	25.2	24.2	22.9	22.8	23.0	21.9	24.2
11 D	22.8	25.2	24.1	24.5	24.7	24.7	25.5	25.1	25.6	25.9	22.2	24.5	23.6	21.9	22.1	24.7	23.7	24.4	25.0	24.2	23.7	22.8	22.7	22.6	24.0
12	22.8	23.1	23.7	24.1	26.4	24.0	24.2	22.5	23.0	26.4	24.4	22.1	23.5	22.2	19.0	23.5	26.2	27.8	27.5	26.2	25.0	23.7	23.1	22.8	24.0
13	22.7	22.8	23.2	24.3	23.2	24.1	24.5	23.9	23.2	23.5	22.7	22.0	22.8	22.4	20.2	24.8	26.6	26.1	23.8	23.3	22.9	21.6	21.7	22.0	23.3
14	22.7	23.0	23.8	23.6	24.3	25.0	23.8	23.9	23.0	22.4	23.2	24.2	24.2	24.6	25.0	26.2	25.1	25.6	24.9	23.6	22.5	22.1	22.7	22.5	23.8
15 Q	22.6	22.7	23.0	23.2	23.4	23.3	23.4	23.5	23.4	23.5	24.2	22.3	24.5	25.2	25.6	26.4	27.9	28.5	28.5	25.7	21.9	20.5	20.3	20.9	23.9
16	21.9	22.5	23.3	23.5	23.6	23.4	23.5	23.3	23.3	23.3	21.5	22.9	24.1	25.1	25.7	27.8	29.1	27.0	25.1	23.9	22.5	21.5	20.7	19.7	23.7
17	21.4	22.5	23.1	23.8	23.6	23.3	23.1	23.1	23.0	23.3	22.5	22.2	22.3	23.5	24.3	25.8	27.0	27.5	26.4	24.3	22.5	21.2	20.6	20.0	23.3
18	21.6	22.8	23.2	23.5	23.1	23.4	23.3	21.5	22.1	22.6	22.8	23.5	18.4	24.0	22.8	26.7	27.3	29.2	26.3	24.5	23.3	20.2	20.6	18.9	23.1
19	20.6	17.8	17.4	22.9	22.4	25.8	25.1	22.9	21.7	23.2	24.9	24.4	24.9	24.8	24.9	26.4	27.3	26.9	26.3	24.8	23.8	22.8	22.2	21.8	23.6
20 Q	22.6	22.6	23.1	23.2	23.5	23.4	23.4	23.3	23.3	23.0	23.1	23.3	23.6	24.1	24.9	26.3	27.7	28.5	27.3	25.6	24.1	23.1	23.1	22.8	24.1
21 D	22.5	22.7	24.0	26.2	24.6	23.9	23.7	29.0	24.0	27.1	21.8	19.3	21.2	16.3	15.7	23.4	24.6	26.9	26.0	26.1	26.1	26.8	26.5	25.9	23.9
22 D	25.7	25.5	26.6	28.7	26.2	24.3	23.6	24.4	22.0	25.9	26.4	25.1	26.4	21.1	20.6	22.5	18.8	20.8	19.3	19.2	18.0	19.1	20.8	22.2	23.0
23 D	23.5	23.4	25.0	25.5	24.7	26.1	26.7	26.6	32.9	31.9	28.8	28.4	25.4	27.1	12.7	10.4	17.8	20.6	23.1	20.5	20.9	21.9	23.6	23.7	23.8
24	24.3	24.1	24.2	24.7	24.7	24.7	24.0	23.4	23.6	22.9	23.5	23.7	24.0	24.2	24.3	26.3	24.6	26.0	24.1	22.9	23.8	22.8	23.2	22.8	24.0
25	22.0	21.1	21.8	23.0	22.9	23.4	23.6	24.4	24.5	19.3	24.4	25.2	26.4	26.0	24.7	24.3	25.6	25.6	18.3	19.8	20.4	21.9	22.3	21.6	23.0
26	22.8	22.6	22.9	23.2	23.6	22.9	22.5	22.3	23.0	23.5	23.3	21.9	23.9	24.3	24.7	25.3	24.6	24.6	24.2	23.7	22.1	20.7	21.4	21.8	23.2
27	22.8	23.2	23.4	23.1	23.1	23.2	23.4	22.7	23.1	24.8	24.8	25.1	26.6	19.8	25.4	26.1	27.2	26.2	23.0	22.2	20.2	21.5	21.5	21.0	23.5
28	22.7	22.7	23.2	23.4	24.5	25.6	23.8	22.9	22.8	23.1	23.8	23.0	22.7	24.6	24.8	22.3	24.8	26.6	26.0	23.8	22.7	21.7	21.3	21.2	23.5
29 Q	22.1	22.1	22.3	22.6	22.7	22.7	22.7	22.5	22.1	22.6	23.2	23.4	24.2	24.0	24.1	24.6	26.4	26.3	25.4	23.8	22.9	22.2	22.0	21.9	23.3
30 Q	22.0	22.3	22.9	23.0	23.1	23.0	23.2	22.7	22.6	22.9	23.1	23.2	23.3	23.8	23.9	24.4	25.5	25.7	25.0	22.9	21.9	21.0	21.2	20.9	23.1
MEAN	22.4	23.0	23.1	23.7	23.9	24.2	23.9	23.8	23.7	25.1	24.5	23.8	24.2	23.8	23.3	24.6	25.7	26.2	25.0	23.8	22.7	22.0	22.0	21.8	23.8

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 33 VICTORIA Z = 53,000 GAMMA + NOVEMBER 1970

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	114	114	113	115	115	115	115	115	114	114	113	113	112	113	113	116	116	116	107	103	102	103	108	109	112
2	111	112	111	111	111	111	111	111	104	95	104	109	104	96	104	112	116	115	110	108	109	109	107	107	108
3	108	110	114	115	114	117	120	120	118	116	116	115	113	112	112	114	114	110	102	103	106	105	108	111	112
4	112	118	120	122	121	119	118	118	110	114	118	116	115	117	117	119	120	118	113	111	111	110	113	114	116
5	116	115	118	119	121	126	126	127	120	117	118	118	114	115	117	117	116	114	105	103	103	105	108	114	116
6	122	122	122	121	126	124	127	124	99	97	87	82	80	66	86	100	106	106	105	107	111	113	117	119	107
7 D	121	123	127	144	170	149	141	109	0	-29	-65	-99	62	30	18	63	102	115	119	117	125	135	138	134	85
8	140	139	137	135	130	128	125	122	117	113	111	108	113	114	114	117	121	122	117	113	115	117	117	117	121
9	120	120	120	121	119	120	121	116	108	102	96	107	111	116	117	117	119	120	117	116	112	114	115	114	115
10	118	119	122	124	127	125	119	120	117	111	82	58	83	99	106	97	107	115	114	115	116	114	116	117	110
11 D	118	124	133	133	128	124	115	114	99	86	64	92	98	102	107	115	116	126	121	117	114	118	121	120	113
12	120	120	120	121	123	121	120	111	95	99	96	98	105	104	102	108	115	118	115	115	115	116	116	117	112
13	118	118	117	118	121	119	118	117	118	117	115	108	101	97	95	102	110	109	106	107	109	112	115	115	112
14	118	118	120	122	121	119	117	117	116	112	115	115	114	114	114	117	118	112	107	109	111	113	114	112	115
15 Q	113	113	113	114	114	114	113	114	114	113	112	108	108	110	111	114	116	116	110	112	117	115	113	112	113
16	111	112	110	110	110	109	110	110	110	109	107	104	107	109	110	115	117	110	106	106	105	105	109	106	109
17	107	108	109	112	114	113	113	111	110	109	106	105	106	107	108	111	112	112	109	109	111	115	114	113	110
18	112	111	112	109	109	108	107	106	104	107	108	107	104	93	93	78	88	90	95	94	95	99	100	111	102
19	121	138	147	162	178	163	156	140	130	126	121	122	121	121	120	124	126	125	120	118	118	121	120	120	132
20 Q	120	119	119	116	116	113	112	112	113	113	114	115	114	114	112	114	113	112	106	107	111	113	116	112	114
21 D	114	117	115	116	120	118	116	109	71	-2	-57	-102	-104	-80	-54	15	68	92	100	113	118	119	123	120	61
22 D	121	120	123	130	127	121	119	122	105	109	101	98	98	93	89	91	103	101	106	113	122	126	132	132	113
23 D	132	132	133	132	132	130	129	117	109	98	73	69	90	101	84	72	78	93	101	107	117	122	126	127	109
24	129	126	126	124	122	121	120	116	112	114	112	115	115	114	114	117	113	105	100	103	108	110	112	113	115
25	118	119	119	119	120	118	117	117	118	104	100	110	112	112	113	112	111	111	104	104	102	107	114	114	112
26	114	115	115	115	116	117	116	114	114	113	111	109	110	111	112	112	118	119	116	108	102	106	109	112	113
27	113	114	115	113	116	115	116	116	111	102	102	103	99	96	98	109	114	111	106	105	106	108	107	107	108
28	111	113	114	114	115	113	113	114	113	112	111	109	105	105	106	107	107	106	105	103	102	104	104	103	109
29 Q	111	110	112	111	113	112	114	113	113	112	112	111	111	110	111	112	115	112	109	108	106	106	107	107	111
30 Q	107	107	106	107	107	107	109	108	109	108	109	107	108	107	107	108	111	109	108	105	108	108	109	108	108
MEAN	117	118	119	121	123	120	119	116	106	100	94	91	98	97	99	104	110	111	109	109	110	112	114	115	110

HORIZONTAL INTENSITY

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 34 VICTORIA H = 18,500 GAMMA + DECEMBER 1970

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	471	473	475	471	473	471	471	470	470	468	470	473	473	472	471	468	463	453	443	437	436	441	454	464	464
2	475	478	479	478	477	474	474	470	473	473	473	475	476	475	480	477	479	473	463	442	446	450	455	461	470
3	466	463	467	472	474	470	468	474	467	466	470	472	474	475	476	475	470	466	452	440	437	439	451	461	464
4	471	471	473	471	470	471	466	470	467	468	471	474	475	478	478	479	474	473	465	449	441	435	443	451	466
5	458	454	450	451	450	455	456	459	466	467	471	470	472	475	472	462	463	461	446	428	425	430	444	456	456
6	466	465	463	464	464	463	461	458	461	459	456	460	464	459	469	474	475	476	465	453	442	438	441	449	460
7	457	462	462	458	454	459	466	458	457	461	462	460	463	471	477	481	482	482	471	457	446	444	445	444	462
8 D	458	438	434	419	419	435	440	438	448	456	450	453	453	453	463	466	463	457	446	423	424	426	433	441	443
9	452	449	453	454	455	463	459	459	458	460	464	468	468	468	466	468	469	466	459	448	441	440	447	455	458
10 Q	463	466	467	467	467	465	466	466	469	469	466	466	468	472	468	467	470	468	459	441	433	434	446	455	462
11 Q	461	462	462	462	463	462	465	463	465	466	466	468	470	472	474	473	471	466	459	453	447	450	453	458	463
12	470	473	471	469	467	466	466	464	468	477	469	469	475	473	474	472	471	465	458	449	445	447	453	463	466
13	468	467	466	467	468	469	468	468	468	466	471	472	474	473	473	471	472	469	462	455	448	452	461	461	466
14 D	476	481	496	498	478	442	420	401	301	409	363	358	411	421	417	420	419	409	383	386	394	410	401	421	417
15 D	426	421	419	427	429	426	417	407	414	410	430	433	433	433	444	446	448	445	430	417	410	413	426	435	427
16	445	449	448	450	450	450	447	448	450	449	450	447	454	454	455	453	450	436	425	417	414	422	433	441	443
17 Q	447	455	459	458	455	453	451	448	448	449	450	453	457	457	458	457	454	448	439	429	423	426	438	449	448
18	456	459	460	459	457	455	457	455	457	457	460	461	462	464	463	465	463	456	443	433	429	439	458	466	456
19	468	469	469	466	466	461	458	457	465	456	462	464	467	468	471	473	475	471	455	450	441	442	452	458	462
20	466	463	460	460	452	451	444	435	440	433	447	452	462	463	470	471	470	465	452	437	433	437	449	456	453
21	462	460	459	456	455	453	451	445	447	451	457	462	467	470	470	469	468	462	451	440	437	436	445	455	455
22	459	462	460	456	453	450	450	454	459	457	460	463	468	471	477	476	479	472	459	449	449	452	462	465	461
23	473	471	467	472	468	464	467	462	465	463	467	469	472	473	471	464	467	464	457	448	447	448	458	463	464
24 D	449	447	438	435	445	456	458	461	460	457	461	461	462	461	457	462	465	459	448	437	437	443	454	460	453
25	463	468	467	465	466	465	464	464	465	462	465	466	467	467	464	461	460	456	453	445	438	449	455	465	461
26	473	473	473	468	466	465	462	462	461	458	463	464	464	465	468	464	463	457	447	439	442	449	463	470	462
27	477	473	474	468	471	472	474	471	467	461	463	468	467	471	470	468	473	473	462	449	446	434	446	461	465
28 D	459	460	460	452	461	459	458	456	456	454	458	462	472	472	471	467	456	440	422	424	433	438	444	442	453
29	456	454	455	450	454	445	450	449	450	455	460	462	462	462	467	476	476	470	456	456	459	465	459	434	458
30	438	446	450	451	451	454	457	458	459	455	461	461	461	464	465	464	454	451	451	443	443	443	453	460	454
31 Q	464	467	465	465	466	464	463	461	463	463	466	470	472	470	470	469	462	449	444	442	448	457	463	468	462
MEAN	461	461	461	460	459	458	457	455	454	457	458	460	464	465	467	466	465	460	449	439	437	440	448	454	457

DECLINATION

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 35 VICTORIA D = 22 DEG 00.0 MIN EAST + DECEMBER 1970

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	21.4	21.8	22.8	22.9	23.2	23.0	23.3	22.9	22.7	22.8	22.9	22.6	22.8	23.1	23.8	24.1	25.6	27.1	26.6	25.5	23.7	21.8	20.4	19.9	23.2
2	20.7	21.8	22.7	23.0	23.4	23.5	23.3	23.1	22.8	22.8	23.0	22.9	22.9	22.9	23.2	24.4	25.1	27.2	26.0	25.4	21.4	20.4	20.7	20.4	23.0
3	21.0	22.3	22.8	23.1	23.5	23.5	23.3	23.5	24.7	24.1	22.2	22.4	22.7	23.1	23.4	24.0	25.2	26.1	26.9	25.6	24.3	22.6	20.4	20.1	23.4
4	21.2	22.0	22.7	23.1	23.4	23.3	23.0	22.9	23.7	23.5	22.9	22.6	22.9	22.6	23.9	24.8	25.7	26.8	26.3	25.5	24.2	21.3	19.5	19.0	23.2
5	19.9	21.8	23.3	24.3	23.7	25.5	25.2	25.1	27.4	26.6	23.2	21.8	21.9	23.1	23.8	20.0	24.8	27.9	28.1	27.7	26.1	22.6	21.5	20.8	24.0
6	21.3	21.8	23.5	23.0	23.1	23.8	23.7	24.3	24.1	24.3	25.4	23.9	23.3	22.8	19.0	19.8	20.4	22.3	23.9	24.4	23.8	22.5	22.0	20.8	22.8
7	21.2	21.8	22.7	23.0	23.7	23.5	25.0	23.5	23.4	22.7	23.4	22.3	19.2	22.3	22.9	24.5	25.3	26.1	24.6	23.8	22.1	20.8	20.3	20.7	22.9
8 D	20.3	22.6	22.5	23.1	24.2	25.7	29.0	21.2	26.2	25.9	22.0	23.8	23.7	19.5	19.7	23.5	25.3	27.3	27.3	24.4	23.5	23.0	22.9	21.5	23.7
9	22.0	21.7	22.6	23.2	23.4	24.1	23.8	23.7	23.8	23.4	21.5	22.4	24.0	23.4	23.1	23.9	25.6	26.4	26.9	26.4	25.1	23.5	22.5	21.8	23.7
10 Q	21.9	22.3	22.7	22.9	23.0	23.0	23.1	23.0	23.4	24.6	24.6	23.9	21.5	23.4	24.8	23.8	24.1	26.1	27.3	26.5	25.0	23.4	22.4	21.8	23.7
11 Q	21.8	22.1	22.6	22.9	23.1	23.3	23.6	22.7	23.1	23.1	23.2	22.7	23.1	23.2	23.1	23.5	24.5	26.0	26.1	25.8	24.9	23.5	22.7	21.7	23.4
12	21.5	22.5	23.1	23.1	23.1	23.2	23.0	23.0	23.3	22.9	24.3	23.7	24.6	26.0	24.9	23.7	25.0	26.2	25.7	24.4	23.3	21.9	22.0	21.2	23.6
13	21.2	21.3	23.1	23.0	23.8	23.6	23.5	23.1	23.3	23.1	23.2	23.2	23.5	23.3	23.6	23.7	24.6	25.7	25.0	24.6	23.0	21.4	21.2	20.9	23.2
14 D	20.5	21.1	21.3	22.5	20.9	37.7	26.7	27.9	24.5	27.0	26.6	21.5	28.3	26.7	27.6	27.9	27.9	28.4	23.6	20.8	20.2	18.0	18.1	22.4	24.5
15 D	23.4	24.8	27.6	24.8	25.1	29.1	29.4	29.3	27.1	27.5	24.8	25.1	23.9	22.8	23.5	23.6	26.1	27.5	25.6	24.4	22.1	21.5	21.0	20.8	25.0
16	21.5	22.0	22.7	23.8	24.3	24.1	23.7	23.3	23.3	23.0	23.3	22.8	23.2	23.8	24.0	24.8	26.2	27.7	26.8	25.2	22.6	20.6	20.4	20.6	23.5
17 Q	20.6	22.2	23.1	23.8	24.6	24.4	23.9	23.5	23.3	23.4	23.3	21.6	23.1	23.0	22.9	24.7	26.5	27.0	27.1	26.1	24.6	22.8	21.9	21.4	23.7
18	21.7	22.7	23.0	23.5	23.8	23.7	23.6	23.4	23.3	23.1	22.9	22.9	22.7	22.5	23.1	24.5	26.2	27.2	28.7	27.6	25.2	22.7	21.0	21.0	23.7
19	21.5	22.4	22.7	22.8	23.6	23.4	24.4	23.7	26.3	28.9	24.1	22.6	22.6	22.7	22.9	23.4	25.6	26.7	27.6	25.6	22.9	21.8	20.4	20.2	23.7
20	22.1	23.3	23.8	23.5	24.0	24.7	25.8	28.3	32.2	29.3	25.3	25.5	23.0	20.9	21.8	24.2	25.3	26.4	27.6	26.3	23.0	21.8	21.2	21.3	24.6
21	22.0	22.0	22.7	22.9	23.7	23.9	24.2	25.2	24.4	23.9	24.4	22.7	21.4	22.3	22.9	23.3	24.8	26.4	26.8	25.8	24.2	22.8	21.1	20.7	23.5
22	21.2	22.0	22.3	23.0	24.5	24.5	23.2	23.8	25.9	23.2	23.1	23.0	22.5	22.3	23.6	23.6	24.4	25.4	25.6	24.5	23.2	22.0	21.8	20.9	23.3
23	21.7	21.7	23.9	23.1	22.7	23.1	23.6	23.4	23.3	23.0	23.9	23.8	24.3	24.4	24.4	24.2	25.3	26.4	26.5	25.2	23.9	22.5	21.5	19.9	23.6
24 D	21.7	21.4	20.4	19.5	22.2	22.2	23.5	24.2	25.0	25.0	23.3	22.9	23.1	23.7	23.5	22.1	25.6	26.5	26.4	24.9	22.7	21.1	21.0	20.7	23.0
25	21.4	22.2	22.9	23.0	23.5	23.3	23.2	23.3	23.2	23.1	23.2	23.1	23.2	23.0	23.3	24.1	24.9	27.6	26.9	24.9	22.9	21.9	20.9	20.5	23.3
26	21.4	22.2	22.5	23.1	22.8	23.8	23.8	23.4	24.8	24.2	23.5	23.3	23.7	23.0	23.2	24.1	26.4	27.3	27.4	25.0	21.9	20.7	20.5	21.0	23.5
27	21.7	21.5	22.1	22.4	22.7	22.5	22.8	22.8	22.6	24.4	24.8	24.6	24.4	24.3	25.8	26.4	26.0	26.6	24.2	22.8	22.1	18.2	15.5	17.2	22.8
28 D	20.2	21.0	20.2	20.3	22.4	23.6	24.0	23.4	23.1	23.5	25.9	25.2	23.2	27.2	27.7	26.5	23.0	24.5	22.5	19.4	19.5	19.0	18.7	19.0	22.6
29	21.0	23.8	24.2	24.4	24.3	24.8	23.9	24.1	21.6	23.8	23.1	23.5	23.6	23.5	23.6	26.3	28.2	28.6	25.8	23.4	21.3	19.6	21.1	19.4	23.6
30	22.4	23.5	24.4	24.2	24.8	23.3	22.9	22.2	21.6	22.4	22.7	23.0	22.8	22.3	22.3	22.8	23.7	22.7	25.6	24.3	22.0	20.8	21.6	21.6	22.9
31 Q	22.3	22.8	23.2	23.5	23.6	23.2	23.1	22.8	22.4	22.1	22.2	22.6	22.8	22.8	23.1	24.1	26.1	27.0	26.6	24.3	21.5	20.0	20.4	21.6	23.1
MEAN	21.4	22.2	22.9	23.1	23.5	24.3	24.1	23.9	24.2	24.2	23.6	23.2	23.2	23.2	23.5	24.0	25.3	26.5	26.2	24.9	23.1	21.5	20.9	20.7	23.5

MEAN VALUES FOR PERIODS OF SIXTY MINUTES, UNIVERSAL TIME

TABLE 36 VICTORIA Z = 53,000 GAMMA + DECEMBER 1970

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	111	111	110	110	109	109	110	109	109	110	109	109	108	108	107	109	113	112	108	107	104	105	111	111	109
2	112	110	107	107	107	105	105	105	106	105	106	106	105	105	104	106	105	102	95	94	98	98	102	106	104
3	110	108	109	109	107	106	106	103	96	100	104	105	107	107	106	105	108	105	98	98	100	103	105	106	105
4	112	112	110	109	108	108	107	107	104	105	107	109	108	107	106	108	108	104	95	93	98	101	108	111	106
5	114	114	114	115	117	118	115	113	106	97	103	105	108	108	109	106	108	112	108	107	109	110	113	114	110
6	113	111	111	110	110	108	108	105	89	92	88	97	105	104	96	92	94	95	94	95	99	98	102	106	101
7	111	110	110	110	110	111	110	107	106	105	102	100	98	88	91	94	98	98	96	93	95	98	101	103	102
8 D	112	118	133	135	142	136	124	99	92	99	83	67	80	71	90	106	112	116	110	105	105	103	108	112	107
9	114	116	118	116	118	116	113	112	111	108	102	96	105	105	108	111	115	111	107	102	101	100	104	104	109
10 Q	108	109	109	108	110	109	108	108	105	102	100	103	102	98	98	104	110	109	107	105	103	102	103	104	105
11 Q	109	108	110	110	111	111	111	109	109	107	107	107	108	108	108	109	113	112	113	110	105	103	102	101	108
12	102	105	105	105	106	105	107	107	107	99	98	101	99	97	99	102	106	108	109	107	106	103	103	102	104
13	109	110	110	111	113	112	112	111	111	110	110	110	110	108	109	108	110	112	111	107	105	104	106	104	109
14 D	106	106	109	108	114	152	185	−94	−87	120	107	71	106	130	136	132	127	118	114	117	123	123	118	130	103
15 D	129	132	136	133	132	126	119	113	105	102	100	99	111	110	105	109	111	112	115	117	118	122	124	122	117
16	123	123	121	120	121	120	121	119	120	118	119	117	115	116	115	116	118	117	117	114	109	113	116	120	118
17 Q	122	121	121	120	118	117	117	117	116	115	114	110	111	112	113	112	116	117	117	113	112	110	115	117	116
18	121	119	117	116	116	115	114	113	114	114	114	114	115	113	113	114	117	117	111	110	111	111	111	111	114
19	113	114	113	111	111	111	110	111	104	95	105	111	113	114	113	112	113	111	112	110	107	108	114	114	110
20	116	114	114	113	111	111	111	110	98	87	90	97	109	111	109	113	116	117	117	117	114	113	116	114	110
21	116	116	117	115	116	114	115	114	114	111	112	114	113	113	114	114	116	117	116	111	109	111	113	115	114
22	117	118	119	118	120	119	117	117	114	111	112	112	114	114	113	113	114	112	109	110	108	108	112	111	114
23	115	115	118	119	117	117	117	114	114	113	112	106	108	111	109	110	119	116	111	108	110	110	114	111	113
24 D	113	123	125	138	141	135	132	126	126	125	122	119	117	114	114	117	121	118	115	110	112	110	114	112	121
25	116	116	116	117	117	117	116	115	115	113	114	113	113	113	114	113	117	116	112	107	102	105	108	108	113
26	112	112	113	113	113	116	117	117	117	116	116	114	113	113	114	115	119	119	118	114	114	112	114	112	115
27	114	112	114	112	115	114	113	113	114	114	115	114	113	109	107	111	117	113	109	103	100	101	107	113	111
28 D	114	117	119	125	129	126	126	123	123	116	111	111	101	93	101	105	108	105	103	107	109	116	120	122	114
29	124	123	122	122	122	124	128	125	121	118	119	117	115	114	115	117	115	114	110	111	108	109	111	110	117
30	119	122	127	134	141	131	124	122	120	118	117	116	115	114	114	114	114	111	112	114	112	113	116	116	119
31 Q	115	115	113	112	112	111	111	111	111	112	112	112	111	111	110	112	115	115	115	115	112	113	113	112	113
MEAN	114	115	116	116	117	117	117	106	104	108	107	106	108	108	108	110	113	112	109	107	107	108	110	111	111

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (ALL DAYS)

TABLE 37 VICTORIA H = 18,500 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	437	440	425	448	454	459	458	459	458	449	453	461	450	458	445	448
1- 2	439	443	431	446	456	461	459	456	457	451	454	461	451	458	446	449
2- 3	439	446	433	443	453	459	458	456	457	450	455	461	451	457	446	450
3- 4	440	445	434	442	453	457	455	456	459	451	454	460	450	455	447	450
4- 5	441	446	433	441	453	456	451	455	456	449	455	459	450	454	445	450
5- 6	439	446	435	441	454	455	451	457	455	451	455	458	450	454	446	450
6- 7	439	445	436	444	457	456	449	453	455	451	454	457	450	454	447	449
7- 8	439	444	437	444	461	458	451	453	456	452	455	455	451	456	447	448
8- 9	439	445	438	448	462	458	451	451	457	454	454	454	451	456	449	448
9-10	439	446	438	448	464	458	450	454	456	457	451	457	451	457	450	448
10-11	441	448	439	446	463	458	451	453	459	459	449	458	452	456	451	449
11-12	442	449	442	445	461	456	452	455	461	460	450	460	453	456	452	450
12-13	444	451	446	447	460	460	456	458	463	462	458	464	456	459	455	454
13-14	444	451	444	448	462	464	458	460	464	462	458	465	457	461	455	455
14-15	445	451	439	449	463	463	462	460	463	461	461	467	457	462	453	456
15-16	446	449	436	444	457	459	460	456	455	455	455	466	453	458	448	454
16-17	441	445	436	436	446	452	455	443	443	444	452	465	447	449	440	451
17-18	434	436	427	424	435	442	444	429	431	435	445	460	437	438	429	444
18-19	427	428	409	417	432	436	433	423	426	423	436	449	428	431	419	435
19-20	422	421	398	415	432	435	429	424	428	422	430	439	425	430	416	428
20-21	423	421	396	416	434	437	427	431	433	429	429	437	426	432	419	428
21-22	427	424	402	419	439	440	431	439	442	436	434	440	431	437	425	431
22-23	433	429	409	428	445	445	439	448	451	442	442	448	438	444	433	438
23-24	435	433	417	440	450	451	453	454	455	446	448	454	445	452	440	443
MEAN	437	441	428	438	452	453	449	449	452	448	449	457	446	451	442	446

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (ALL DAYS)

TABLE 38 VICTORIA D = 22 DEG 00.0 MIN EAST + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	25.2	23.9	21.8	20.5	20.4	20.0	19.7	20.6	22.2	21.5	22.4	21.4	21.6	20.2	21.5	23.2
1- 2	25.6	23.9	22.3	21.7	21.8	21.3	20.7	22.4	23.0	21.2	23.0	22.2	22.4	21.5	22.1	23.7
2- 3	26.1	24.6	23.8	23.2	23.3	23.0	22.3	23.4	23.3	21.9	23.1	22.9	23.4	23.0	23.0	24.2
3- 4	26.5	25.0	24.6	23.8	23.9	24.4	23.6	23.5	23.1	22.5	23.7	23.1	24.0	23.8	23.5	24.6
4- 5	27.0	25.7	25.0	25.2	24.2	24.5	24.8	24.1	23.8	23.4	23.9	23.5	24.6	24.4	24.4	25.0
5- 6	26.6	25.5	25.6	25.3	24.3	24.5	25.6	24.1	24.1	23.9	24.2	24.3	24.8	24.6	24.7	25.2
6- 7	26.6	25.5	25.9	25.7	24.8	24.2	26.2	24.8	23.8	23.7	23.9	24.1	24.9	25.0	24.8	25.0
7- 8	26.7	25.6	26.2	26.0	24.7	24.6	25.2	24.6	24.2	24.5	23.8	23.9	25.0	24.8	25.2	25.0
8- 9	26.6	25.8	26.4	26.0	24.6	24.7	25.1	24.7	24.8	24.8	23.7	24.2	25.1	24.8	25.5	25.1
9-10	26.6	25.7	26.9	26.4	24.7	24.5	24.7	25.9	25.0	25.0	25.1	24.2	25.4	24.9	25.8	25.4
10-11	26.3	26.3	27.0	26.8	25.5	24.6	24.6	25.2	25.1	24.9	24.5	23.6	25.4	25.0	26.0	25.2
11-12	26.7	26.5	27.0	25.8	26.0	25.1	25.3	25.2	25.5	24.7	23.8	23.2	25.4	25.4	25.8	25.0
12-13	27.1	26.4	26.5	26.7	26.7	26.2	25.8	25.3	25.7	25.4	24.2	23.2	25.8	26.0	26.1	25.2
13-14	27.2	26.2	26.2	27.6	28.2	28.3	27.3	26.7	26.4	25.6	23.8	23.2	26.4	27.6	26.5	25.1
14-15	27.1	26.6	24.8	29.2	30.6	29.9	29.0	28.9	27.9	25.6	23.3	23.5	27.2	29.6	26.9	25.1
15-16	27.7	27.3	26.8	30.5	32.1	31.1	31.0	31.0	29.3	26.7	24.6	24.0	28.5	31.3	28.3	25.9
16-17	29.1	28.7	29.9	31.6	32.5	31.9	31.7	31.7	30.2	27.5	25.7	25.3	29.6	32.0	29.8	27.2
17-18	29.4	29.1	31.6	30.8	31.0	30.9	31.3	30.3	28.7	27.1	26.2	26.5	29.4	30.8	29.5	27.8
18-19	28.8	28.1	30.9	28.7	27.0	27.9	28.1	26.7	25.4	25.0	25.0	26.2	27.3	27.4	27.5	27.0
19-20	27.1	26.2	27.8	25.7	23.3	24.5	24.4	22.8	22.1	22.0	23.8	24.9	24.5	23.7	24.4	25.5
20-21	25.5	24.6	25.5	23.4	20.9	21.5	21.6	19.8	20.1	20.6	22.7	23.1	22.4	20.9	22.4	24.0
21-22	24.2	23.8	23.1	21.3	19.5	20.1	19.7	18.7	19.3	20.6	22.0	21.5	21.1	19.5	21.1	22.9
22-23	24.2	23.6	21.5	20.0	18.7	19.5	18.7	18.5	19.9	21.1	22.0	20.9	20.7	18.8	20.6	22.7
23-24	24.6	23.5	21.0	19.5	19.0	19.3	18.7	19.1	21.0	21.4	21.8	20.7	20.8	19.0	20.7	22.6
MEAN	26.6	25.7	25.7	25.5	24.9	24.8	24.8	24.5	24.3	23.8	23.8	23.5	24.8	24.8	24.8	24.9

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (ALL DAYS)

TABLE 39 VICTORIA Z = 53,000 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	120	113	126	132	130	133	144	135	124	124	117	114	126	136	127	116
1- 2	122	114	128	133	134	138	148	138	123	125	118	115	128	140	127	117
2- 3	123	115	132	135	132	141	148	137	123	127	119	116	129	140	129	118
3- 4	123	116	133	136	128	137	146	138	122	130	121	116	129	137	130	119
4- 5	123	116	133	134	126	133	143	133	123	129	123	117	128	134	130	120
5- 6	122	117	132	132	125	129	139	130	123	128	120	117	126	131	129	119
6- 7	122	116	131	128	125	126	127	123	123	125	119	117	124	125	127	119
7- 8	121	116	126	125	121	122	122	123	120	123	116	106	120	122	124	115
8- 9	118	116	121	121	120	117	117	117	114	117	106	104	116	118	118	111
9-10	119	115	115	113	116	114	113	115	113	118	100	108	113	115	115	111
10-11	118	114	106	108	112	113	109	112	112	115	94	107	110	112	110	108
11-12	117	111	104	106	112	114	111	111	112	111	91	106	109	112	108	106
12-13	116	111	109	102	111	113	115	115	112	107	98	108	110	114	108	108
13-14	116	109	110	101	113	114	114	116	112	108	97	108	110	114	108	108
14-15	116	110	104	107	114	116	117	119	115	111	99	108	111	117	109	108
15-16	117	112	103	110	113	114	118	120	116	115	104	110	113	116	111	111
16-17	118	115	113	112	112	111	120	117	115	113	110	113	114	115	113	114
17-18	117	112	118	111	107	107	118	110	109	111	111	112	112	111	112	113
18-19	116	108	115	108	102	103	111	105	105	107	109	109	108	105	109	111
19-20	116	105	111	108	100	99	108	105	104	107	109	107	107	103	108	109
20-21	115	106	111	109	103	101	109	108	107	111	110	107	108	105	110	110
21-22	115	108	118	114	106	108	113	112	113	117	112	108	112	110	116	111
22-23	116	110	120	120	112	115	122	120	119	120	114	110	117	117	120	113
23-24	117	112	123	126	120	123	134	127	123	123	115	111	121	126	124	114
MEAN	118	112	118	118	116	118	124	120	116	118	110	111	117	120	118	113

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (QUIET DAYS)

TABLE 40 VICTORIA H = 18,500 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY*	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	443	444	439	453	457	456	450	461	461	458	462	461	454	456	453	453
1- 2	444	447	444	452	459	458	455	463	463	461	465	465	456	459	455	455
2- 3	444	450	445	454	461	462	459	461	466	463	466	466	458	461	457	457
3- 4	443	451	447	452	459	462	456	460	467	463	466	465	458	459	457	456
4- 5	443	451	448	453	459	460	456	463	466	462	467	465	458	460	457	457
5- 6	441	449	449	454	460	459	457	461	465	463	466	463	457	459	458	455
6- 7	442	447	450	457	462	461	459	463	463	463	465	463	458	461	458	454
7- 8	440	448	450	459	464	461	460	464	464	465	463	462	458	462	460	453
8- 9	442	449	453	462	464	461	462	464	464	466	464	463	459	463	461	455
9-10	441	448	453	462	466	463	463	464	465	466	465	463	460	464	462	454
10-11	443	450	456	462	467	463	462	463	467	466	466	464	461	464	463	456
11-12	444	452	456	458	469	463	460	465	467	468	469	466	461	464	462	458
12-13	446	453	457	460	472	467	463	467	466	469	469	468	463	467	463	459
13-14	446	453	458	463	476	471	468	469	466	470	469	469	465	471	464	459
14-15	446	451	458	465	476	474	470	469	465	468	468	468	465	472	464	458
15-16	447	447	455	460	471	470	467	467	457	462	465	467	461	469	459	457
16-17	442	441	452	450	458	464	460	456	446	450	457	464	453	460	450	451
17-18	434	434	440	436	447	451	445	444	438	441	448	457	443	447	439	443
18-19	429	426	428	430	436	442	436	439	432	434	439	449	435	438	431	436
19-20	426	419	420	428	437	439	428	439	434	436	432	440	432	436	430	429
20-21	428	419	418	430	440	440	428	441	438	441	436	437	433	437	432	430
21-22	434	422	419	430	444	443	433	440	448	447	444	442	437	440	436	436
22-23	440	430	425	436	451	447	441	447	457	455	452	451	444	447	443	443
23-24	442	438	434	446	454	450	445	456	463	459	458	459	450	451	451	449
MEAN	440	442	444	450	459	458	453	458	458	458	459	460	453	457	453	450

* based on 3 days only

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (QUIET DAYS)

TABLE 41 VICTORIA D = 22 DEG 00.0 MIN EAST + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	25.6	24.1	21.3	20.2	20.9	20.3	20.3	20.5	21.8	21.6	22.4	21.6	21.7	20.5	21.2	23.4
1- 2	25.8	24.1	22.0	21.4	22.0	21.3	21.5	22.3	22.2	21.7	22.4	22.2	22.4	21.7	21.8	23.6
2- 3	26.3	24.5	23.1	22.7	23.3	22.8	22.7	23.0	22.4	22.0	22.8	22.9	23.2	22.9	22.5	24.1
3- 4	26.5	25.0	23.8	23.2	23.6	23.5	24.0	23.5	22.4	22.6	23.0	23.2	23.7	23.6	23.0	24.4
4- 5	26.6	25.4	24.4	23.7	23.8	23.9	24.0	23.1	23.4	22.8	23.1	23.5	24.0	23.7	23.6	24.6
5- 6	26.5	25.4	24.6	23.8	23.7	23.9	24.3	22.9	23.9	22.8	23.1	23.4	24.0	23.7	23.8	24.6
6- 7	26.4	25.4	24.8	24.1	24.0	23.6	23.9	23.1	23.2	22.6	23.1	23.4	24.0	23.6	23.7	24.6
7- 8	26.0	25.1	25.1	24.4	24.0	23.7	23.7	23.3	22.7	23.1	23.0	23.0	23.9	23.7	23.8	24.3
8- 9	25.8	25.1	25.3	24.8	24.3	23.9	24.3	23.4	23.9	22.9	22.8	23.0	24.1	24.0	24.2	24.2
9-10	25.6	25.3	25.4	25.2	24.2	23.7	24.7	23.8	24.2	23.3	23.1	23.2	24.3	24.1	24.5	24.3
10-11	26.1	25.6	25.6	25.3	24.6	24.5	24.4	23.6	24.2	23.5	23.4	23.2	24.5	24.3	24.7	24.6
11-12	26.1	25.7	25.3	25.5	24.7	25.2	25.3	24.4	24.6	23.8	23.2	22.7	24.7	24.9	24.8	24.4
12-13	26.5	26.0	25.8	26.2	25.9	26.3	26.1	25.3	25.3	23.8	24.0	22.7	25.3	25.9	25.3	24.8
13-14	26.9	26.2	26.0	27.4	27.4	27.7	27.3	26.6	26.3	24.2	24.4	23.1	26.1	27.3	26.0	25.1
14-15	27.0	26.9	27.0	29.4	29.7	29.7	28.6	28.2	27.8	25.1	24.8	23.5	27.3	29.0	27.3	25.5
15-16	27.7	27.8	28.3	31.4	31.2	31.1	30.6	30.1	29.3	27.4	25.7	24.0	28.7	30.7	29.1	26.3
16-17	29.1	29.4	30.3	32.6	32.6	32.5	30.9	31.5	30.4	29.0	27.1	25.4	30.1	31.8	30.6	27.7
17-18	29.4	29.8	31.5	32.4	31.5	31.9	30.5	30.5	28.7	28.9	27.2	26.6	29.9	31.1	30.4	28.3
18-19	28.8	28.2	30.7	28.9	28.0	28.7	27.9	26.7	25.8	26.1	26.4	26.7	27.7	27.8	27.9	27.5
19-20	27.3	25.6	27.7	25.3	23.8	24.7	25.3	23.2	22.4	22.5	24.5	25.6	24.8	24.2	24.5	25.8
20-21	25.4	23.6	24.7	22.7	21.0	21.6	22.1	20.4	20.8	20.2	22.6	23.9	22.4	21.3	22.1	23.9
21-22	24.2	22.7	22.5	20.8	19.6	20.3	19.9	19.1	19.5	20.0	21.6	22.3	21.0	19.7	20.7	22.7
22-23	24.5	22.7	21.3	19.4	18.3	19.7	18.6	18.6	19.6	20.5	21.5	21.6	20.5	18.8	20.2	22.6
23-24	25.1	23.1	20.6	18.7	18.4	20.0	18.7	19.5	20.5	21.2	21.7	21.3	20.7	19.2	20.3	22.8
MEAN	26.5	25.5	25.3	25.0	24.6	24.8	24.6	24.0	24.0	23.4	23.6	23.4	24.6	24.5	24.4	24.8

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (QUIET DAYS)

TABLE 42 VICTORIA Z = 53,000 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	120	113	116	119	127	124	132	132	120	117	113	113	121	129	118	115
1- 2	120	113	119	122	128	128	133	132	118	118	113	113	121	130	119	115
2- 3	120	113	121	123	128	131	134	131	118	119	113	113	122	131	120	115
3- 4	120	113	122	122	125	127	132	127	118	120	113	112	121	128	121	115
4- 5	120	114	122	121	123	125	129	125	119	119	113	112	120	126	120	115
5- 6	120	114	122	120	122	121	127	123	118	119	112	111	119	123	120	114
6- 7	120	114	121	120	121	121	125	123	117	119	113	111	119	123	119	115
7- 8	120	114	121	119	121	121	124	124	117	120	112	111	119	123	119	114
8- 9	120	114	122	119	121	121	124	123	113	117	113	110	118	122	118	114
9-10	120	114	121	118	121	119	120	122	116	118	112	109	118	121	118	114
10-11	120	114	120	118	120	119	118	122	117	118	112	108	117	120	118	114
11-12	119	114	118	118	121	121	118	122	117	118	111	108	117	121	118	113
12-13	119	114	118	117	122	123	121	124	117	117	111	108	118	123	117	113
13-14	119	112	118	118	122	123	124	125	118	117	111	107	118	124	118	112
14-15	118	113	120	119	121	122	125	125	119	118	111	107	118	123	119	112
15-16	118	114	122	118	118	117	124	126	119	122	113	109	118	121	120	114
16-17	118	116	124	117	114	113	123	123	118	120	114	113	118	118	120	115
17-18	117	113	119	112	107	110	114	116	110	114	113	113	113	112	114	114
18-19	116	108	113	104	100	107	106	107	103	105	108	112	107	105	106	111
19-20	115	104	106	101	98	100	102	104	101	103	107	110	104	101	103	109
20-21	114	107	105	101	100	97	98	106	103	107	109	107	104	100	104	109
21-22	114	110	105	103	101	101	100	109	106	114	109	107	107	103	107	110
22-23	116	112	107	106	107	106	107	115	112	117	111	109	110	109	111	112
23-24	116	114	110	111	113	112	118	122	116	117	110	109	114	116	114	112
MEAN	118	113	117	115	117	117	120	121	115	116	111	110	116	119	116	113

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (GAMMAS) (DISTURBED DAYS)

TABLE 43 VICTORIA H = 18,500 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	431	442	406	455	457	464	458	463	454	433	446	454	447	461	437	443
1- 2	431	444	408	444	458	464	457	453	454	435	435	449	444	458	435	440
2- 3	432	443	412	434	443	452	473	450	454	431	438	449	443	455	433	441
3- 4	428	441	408	439	453	458	468	456	456	434	436	446	444	459	434	438
4- 5	430	442	403	430	450	448	450	443	455	429	439	446	439	448	429	439
5- 6	429	442	414	419	454	442	449	449	453	432	440	444	439	449	430	439
6- 7	431	442	415	424	456	446	429	423	446	431	436	439	435	439	429	437
7- 8	434	441	403	426	462	449	435	414	444	438	432	433	434	440	428	435
8- 9	434	441	404	435	459	441	440	403	445	437	421	416	431	436	430	428
9-10	428	443	401	434	463	441	423	417	446	443	407	437	432	436	431	429
10-11	434	445	404	421	462	438	424	407	448	448	396	432	430	433	430	427
11-12	435	446	410	420	451	432	430	419	455	447	389	433	431	433	433	426
12-13	437	448	425	416	432	437	440	432	461	453	431	446	438	435	439	441
13-14	441	451	414	430	435	438	436	428	459	454	424	448	438	434	439	441
14-15	442	454	395	426	449	437	446	428	458	448	440	450	439	440	432	447
15-16	443	452	385	414	442	442	444	431	449	437	435	452	436	440	421	446
16-17	433	446	404	406	431	437	448	411	437	417	434	450	430	432	416	441
17-18	430	438	400	391	420	426	444	392	423	409	433	442	421	421	406	436
18-19	421	429	364	389	423	426	423	402	416	398	421	426	412	419	392	424
19-20	410	423	343	396	423	423	422	414	418	406	413	417	409	421	391	416
20-21	406	419	347	397	425	419	413	427	424	416	412	420	410	421	396	414
21-22	412	423	369	404	435	423	423	433	436	416	420	426	418	429	406	420
22-23	421	427	376	417	440	436	430	438	447	421	432	432	426	436	415	428
23-24	420	426	383	444	449	447	451	440	446	424	433	440	434	447	424	430
MEAN	429	439	396	421	445	440	440	428	445	431	427	439	432	438	423	434

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (MINUTES) (DISTURBED DAYS)

TABLE 44 VICTORIA D = 22 DEG 00.0 MIN EAST + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	24.2	22.9	22.8	21.2	20.3	18.9	17.3	17.6	22.1	21.9	23.4	21.2	21.1	18.5	22.0	22.9
1- 2	25.1	23.6	22.6	22.9	21.0	20.8	17.8	21.1	23.1	20.0	26.2	22.2	22.2	20.2	22.1	24.2
2- 3	25.8	24.3	25.7	24.7	22.8	22.9	19.5	23.6	23.4	21.4	25.2	22.4	23.5	22.2	23.8	24.4
3- 4	26.5	25.0	26.4	25.1	23.4	26.2	21.4	23.7	23.0	22.2	25.5	22.0	24.2	23.7	24.2	24.8
4- 5	29.4	25.9	26.1	28.1	24.7	24.7	25.6	27.2	22.8	24.4	26.3	23.0	25.7	25.6	25.3	26.1
5- 6	27.9	25.6	27.2	28.6	25.2	23.7	26.9	25.7	24.3	25.4	25.5	27.7	26.1	25.4	26.4	26.7
6- 7	28.0	25.7	28.0	27.8	26.2	24.7	30.2	30.6	23.9	26.1	25.2	26.5	26.9	27.9	26.4	26.3
7- 8	28.9	25.8	27.6	27.5	25.0	25.4	27.5	28.6	27.7	29.0	26.2	25.2	27.0	26.6	27.9	26.5
8- 9	28.3	27.0	30.4	25.5	24.7	27.2	27.3	27.5	28.2	28.6	26.0	25.2	27.1	26.7	28.2	26.6
9-10	28.1	25.9	32.1	25.1	24.6	26.8	28.4	33.9	25.7	27.8	31.3	25.8	27.9	28.4	27.7	27.8
10-11	26.5	27.1	29.9	28.6	28.5	25.9	26.9	30.0	25.3	25.2	26.3	24.5	27.1	27.8	27.2	26.1
11-12	27.2	28.2	30.6	28.3	29.5	27.1	28.5	29.6	27.0	23.6	22.0	23.7	27.1	28.7	27.4	25.3
12-13	28.6	27.0	27.1	29.5	29.4	26.9	28.1	26.2	27.4	26.5	24.6	24.4	27.1	27.6	27.6	26.1
13-14	27.7	25.8	24.6	28.5	28.8	28.6	28.0	26.1	28.2	26.2	21.9	24.0	26.5	27.9	26.9	24.8
14-15	27.6	26.7	16.5	25.9	31.1	29.3	28.4	29.0	29.5	22.8	18.0	24.4	25.8	29.5	23.7	24.2
15-16	26.9	27.0	20.7	28.0	32.5	29.1	31.0	30.9	29.1	22.6	21.3	24.7	27.0	30.9	25.1	25.0
16-17	28.1	26.9	28.1	29.3	31.6	30.0	31.9	29.5	28.9	23.9	22.5	25.6	28.0	30.8	27.6	25.8
17-18	28.5	27.7	31.2	27.4	30.4	28.8	31.8	27.9	27.2	24.0	23.9	26.8	28.0	29.8	27.4	26.7
18-19	28.2	27.6	30.6	26.2	26.0	26.0	28.8	24.3	23.6	22.2	23.8	25.1	26.0	26.3	25.6	26.2
19-20	26.5	26.2	26.6	24.5	23.5	23.9	23.8	21.8	21.0	17.5	22.8	22.8	23.4	23.3	22.4	24.6
20-21	25.6	24.6	26.8	24.0	20.5	21.9	21.2	20.1	19.0	19.4	22.5	21.6	22.3	20.9	22.3	23.6
21-22	24.1	24.4	25.1	21.9	18.8	20.8	19.7	19.9	18.6	20.8	22.5	20.5	21.4	19.8	21.6	22.9
22-23	23.6	23.9	21.2	21.2	18.1	19.9	19.1	20.4	19.6	21.9	23.3	20.3	21.1	19.4	21.0	22.8
23-24	24.5	23.5	21.7	21.0	18.4	19.3	19.5	21.1	20.9	21.9	23.6	20.9	21.4	19.6	21.4	23.1
MEAN	26.9	25.8	26.2	25.9	25.2	25.0	25.4	25.7	24.6	23.6	24.2	23.8	25.2	25.3	25.1	25.2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (GAMMAS) (DISTURBED DAYS)

TABLE 45 VICTORIA Z = 53,000 GAMMA + 1970

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0- 1	123	113	140	157	134	146	165	148	128	149	121	115	137	148	144	118
1- 2	126	114	142	154	141	155	157	162	128	146	123	119	139	154	143	121
2- 3	129	118	152	154	136	158	161	161	128	148	126	124	141	154	146	124
3- 4	130	119	161	159	131	160	168	183	127	154	131	128	146	161	150	127
4- 5	132	119	156	148	129	151	170	155	127	145	135	132	142	151	144	130
5- 6	130	120	153	142	127	144	161	149	128	140	128	135	138	145	141	128
6- 7	128	121	146	137	127	140	112	113	130	135	124	137	129	123	137	128
7- 8	123	120	126	129	119	129	98	114	119	128	114	73	116	115	126	108
8- 9	112	120	108	118	117	111	90	86	102	117	77	72	102	101	111	95
9-10	117	118	102	90	116	96	79	91	103	116	52	112	99	96	103	100
10-11	116	114	67	79	103	92	63	76	96	107	23	105	87	84	87	90
11-12	110	104	67	76	93	94	71	66	95	88	12	93	81	81	82	80
12-13	102	102	88	69	74	82	76	84	98	75	49	103	83	79	83	89
13-14	105	103	86	64	77	83	60	89	88	83	49	104	83	77	80	90
14-15	106	107	37	65	84	92	74	101	91	95	49	109	84	88	72	93
15-16	109	112	24	72	92	97	85	113	95	96	71	114	90	97	72	102
16-17	109	113	67	89	99	102	103	108	97	95	93	116	99	103	87	108
17-18	112	108	104	97	103	106	116	104	99	102	105	114	106	107	101	110
18-19	114	106	107	106	103	113	117	113	100	103	109	111	109	112	104	110
19-20	113	103	105	117	101	117	118	121	103	109	113	111	111	114	109	110
20-21	115	105	115	123	105	122	121	122	108	120	119	113	116	118	117	113
21-22	117	108	150	140	114	131	131	126	116	131	124	115	125	126	134	116
22-23	120	111	144	147	123	140	145	136	125	141	128	117	131	136	139	119
23-24	122	114	144	154	133	146	163	145	130	147	127	120	137	147	144	121
MEAN	118	112	112	116	112	121	117	119	111	120	96	112	114	117	115	110

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 46

JANUARY

DAY	D	H	Z	K
1	0110 3332	1221 2321	0000 1000	1221 3332
2	1455 5323	2453 3233	0244 4221	2455 5333
3	1332 3101	2232 2101	0030 0000	2332 3101
4	0022 0111	0002 1011	0000 0000	0022 1111
5	0003 2011	1011 1123	0001 0000	1013 2123
6	1002 2110	2000 2000	1000 0000	2002 2110
7	0000 1122	0001 0021	0000 0000	0001 1122
8	0102 1322	1111 1211	0000 0100	1112 1322
9	2332 1011	3222 0011	1010 0000	3332 1011
10	2101 1100	2001 1000	0000 0000	2101 1100
11	0110 1001	0000 1001	0000 0000	0110 1001
12	2121 1111	2111 0001	0000 0000	2121 1111
13	0000 2101	1101 1101	0000 0000	1101 2101
14	1201 1111	1210 0012	0000 0001	1211 1112
15	1110 0100	1121 1100	0000 0000	1121 1100
16	2234 4421	3133 3312	1023 2211	3234 4422
17	2421 0021	3312 0001	2131 0000	3422 0021
18	0232 1100	2131 0100	0010 0000	2232 1100
19	0001 3101	0001 1102	0000 0000	0001 3102
20	1012 4221	1111 3111	0000 1100	1112 4221
21	0132 3121	0111 2011	0000 0000	0132 3121
22	1001 1000	1011 0001	0000 0000	1011 1001
23	0121 1102	2221 2001	0000 0001	2221 2102
24	0135 2210	1122 1000	0003 0000	1135 2210
25	0100 0000	0000 0000	0000 0000	0100 0000
26	0110 0000	0111 0000	0000 0000	0111 0000
27	1011 1010	2221 1101	0000 0000	2221 1111
28	1000 1231	0011 1132	0000 0010	1011 1232
29	1042 2011	1032 1012	0021 0000	1042 2012
30	1143 2442	2221 1222	0021 0211	2243 2442
31	2001 1200	3201 1100	1000 0000	3201 1200

FEBRUARY

DAY	D	H	Z	K
1	1300 0123	1310 1013	0000 0001	1310 1123
2	3324 5233	1323 3214	0114 3101	3324 5234
3	2102 3102	3212 1002	0001 0001	3212 3102
4	1023 4222	1123 3221	0001 3210	1123 4222
5	2301 4222	2300 2212	0100 2201	2301 4222
6	1131 0111	1121 1001	0010 0000	1131 1111
7	0000 0000	0000 0000	0000 0000	0000 0000
8	0000 0000	0001 0000	0000 0000	0001 0000
9	0020 0000	0011 0000	0000 0000	0021 0000
10	0010 1221	1020 0211	0000 0000	1020 1221
11	0001 0110	0010 0002	0000 0000	0011 0112
12	0000 0210	0000 1000	0000 0000	0000 1210
13	0210 2121	0112 1001	0000 1000	0212 2121
14	0314 4311	1222 1100	0113 2100	1324 4311
15	1234 1121	1122 1111	0012 2001	1234 1121
16	0033 2111	0011 1001	0000 0000	0033 2111
17	0002 1242	1001 1122	0000 0111	1002 1242
18	2332 3221	1221 2112	1010 2000	2332 3222
19	1011 1100	2020 1101	0000 0000	2021 1101
20	0000 1100	0001 1000	0000 0000	0001 1100
21	0020 0010	0010 0001	0000 0000	0020 0011
22	0000 0010	0000 0000	0000 0000	0000 0010
23	0000 0021	1000 0011	0000 0010	1000 0021
24	0020 2441	1121 2421	0000 0210	1121 2441
25	1020 0100	2120 0100	0000 0000	2120 0100
26	0131 4401	1122 3200	0002 3300	1132 4401
27	0223 2121	0021 0022	0011 0000	0223 2122
28	3334 3322	3322 1113	2103 2001	3334 3323

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 47 MARCH

DAY	D	H	Z	K
1	2355 5522	2335 2222	1134 4401	2355 5522
2	3435 2212	2223 1101	2133 3000	3435 2212
3	1042 2323	2133 2332	0032 0111	2143 2333
4	2234 4312	3324 3212	1033 2301	3334 4312
5	1032 0322	1131 1222	0020 0010	1132 1322
6	3145 2333	3234 1232	3134 1122	3245 2333
7	5345 5654	4334 3345	3234 3333	5345 5655
8	3466 8776	3465 7885	1375 8866	3466 8886
9	4533 5522	4422 4433	5534 4412	4533 5533
10	1012 0110	2012 1020	1010 0000	2012 1120
11	0000 1011	0000 1001	0000 0000	0000 1011
12	0133 1100	1232 0001	0013 1000	1233 1101
13	0034 3211	1121 2001	0013 1000	1134 3211
14	0000 0100	1011 0000	0000 0000	1011 0100
15	1133 1220	1221 0100	0001 0000	1233 1220
16	0001 1010	0001 0000	0000 0000	0001 1010
17	0010 2222	0021 2112	0000 0110	0021 2222
18	1003 3222	1012 2112	0002 2000	1013 3222
19	1021 2111	1121 1011	0000 0000	1121 2111
20	0001 1210	0001 1101	0000 1000	0001 1211
21	1100 0100	0100 0000	0000 0000	1100 0100
22	0022 1100	0011 0000	0001 0000	0022 1100
23	0033 1111	1122 1101	0002 0000	1133 1111
24	0000 0101	0000 0111	0000 0000	0000 0111
25	0010 1100	0011 0100	0000 0000	0011 1100
26	0100 1210	2121 0011	0000 0000	2121 1211
27	0014 3223	0034 3223	0012 2011	0034 3223
28	2536 4321	1324 2210	2235 3211	2536 4321
29	2541 3332	3432 3313	1241 2111	3542 3333
30	2144 4321	3242 2222	2033 3001	3244 4322
31	1355 5532	2455 4524	1245 4412	2455 5534

APRIL

DAY	D	H	Z	K
1	1211 1003	3111 0003	1000 0001	3211 1003
2	1011 2110	2221 0111	0000 1000	2221 2111
3	1443 1211	2342 2211	1142 1000	2443 2211
4	0143 4101	3232 2112	1021 2010	3243 4112
5	0013 3322	0023 2222	0003 3111	0023 3322
6	2444 4222	3344 3223	1234 3201	3444 4223
7	1343 1110	2133 1111	1033 0000	2343 1111
8	2323 2210	4323 2112	1013 0000	4323 2212
9	0344 4211	2343 3113	0134 4100	2344 4213
10	0000 0011	1010 1012	0000 0000	1010 1012
11	3235 3100	2223 0100	2113 2000	3235 3100
12	0131 1110	1121 1111	0010 0000	1131 1111
13	0011 2100	1011 2100	0000 1000	1011 2100
14	0001 1000	1001 1001	0000 0000	1001 1001
15	0022 1131	1022 1122	0010 0000	1022 1132
16	2331 0132	3330 1133	2120 0111	3331 1133
17	5344 3232	5433 3333	3243 2122	5444 3333
18	0014 5332	1124 4223	0004 5111	1124 5333
19	3556 5310	3345 2211	2344 4100	3556 5311
20	0314 4432	2323 4523	0103 4221	2324 4533
21	2556 6655	2435 6446	2256 5665	2556 6656
22	4765 2100	6643 2112	5743 0000	6765 2112
23	2133 3321	3223 3222	1123 3212	3233 3322
24	2333 3431	4322 3221	2122 2200	4333 3431
25	2423 3222	3333 2122	2122 2100	3433 3222
26	2210 2121	3310 2222	2200 2011	3310 2222
27	2223 1111	3330 2111	2321 0000	3333 2111
28	2121 2000	2121 1001	2010 0000	2121 2001
29	0122 2120	1122 1112	0001 2001	1122 2122
30	2355 3322	3333 3224	2232 1101	3355 3324

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 48

MAY

DAY	D	H	Z	K
1	1240 3212	2341 2234	1030 2011	2341 3234
2	1342 1221	3231 1312	1120 0001	3342 1322
3	0001 3233	2112 2234	1000 1112	2112 3234
4	0032 2121	2022 1123	1011 1011	2032 2123
5	1114 3212	3133 2213	1104 3111	3134 3213
6	0011 0111	3010 1222	0000 0111	3011 1222
7	2313 3222	3312 0211	2100 0100	3313 3222
8	0000 0110	1011 1202	0000 0100	1011 1212
9	1210 0012	2100 0000	0100 0001	2210 0012
10	2221 0012	0110 0001	0000 0000	2221 0012
11	0000 0001	0010 0012	0000 0001	0010 0012
12	3223 2332	4323 2333	3113 1122	4323 2333
13	1201 0000	3211 1012	1000 0001	3211 1012
14	2442 2222	3332 2223	2132 1011	3442 2223
15	2123 1102	3222 1212	3123 1000	3223 1212
16	0031 1111	1130 0022	0021 0100	1131 1122
17	1332 2111	3431 2112	3332 1000	3432 2112
18	0101 1000	2322 1010	2200 0000	2322 1010
19	0142 1121	1223 2221	0003 0000	1243 2221
20	1334 4322	3432 2223	2313 2100	3434 4323
21	2112 2220	3222 1111	2102 1211	3222 2221
22	2222 3110	3211 1122	2201 1011	3222 3122
23	1132 1211	2222 2113	1210 0102	2232 2213
24	0113 2101	3222 1222	1102 1101	3223 2222
25	2232 2000	4321 2200	2121 2000	4332 2200
26	0000 0001	0001 1002	0000 0001	0001 1002
27	1222 3222	2222 3223	1101 2012	2222 3223
28	4226 5332	6335 6324	3315 6623	6336 6334
29	2463 3120	5442 1232	3242 0001	5463 3232
30	1334 3210	3333 1321	2224 2200	3334 3321
31	0122 3110	1221 2121	0022 2000	1222 3121

JUNE

DAY	D	H	Z	K
1	1534 4222	2533 3322	1433 3221	2534 4322
2	3211 2221	4321 2222	3211 0211	4321 2222
3	1433 3221	3332 3222	1232 2101	3433 3222
4	2222 2100	3221 2111	2211 1000	3222 2111
5	0333 1100	3222 0112	1102 0000	3333 1112
6	0112 0000	1112 0000	0001 0000	1112 0000
7	0111 1233	1122 1324	0000 1212	1122 1334
8	3452 3211	5332 2113	3240 1001	5452 3213
9	2110 1222	2120 1112	1100 0000	2120 1222
10	2021 1110	3323 1202	2101 1101	3323 1212
11	2000 0111	2211 2212	0200 0010	2211 2212
12	0110 0110	2122 2111	2011 0110	2122 2111
13	0043 3311	1233 3122	0121 3110	1243 3322
14	2310 0232	3311 3213	1300 1002	3311 3233
15	2244 4111	4343 3223	2242 2011	4344 4223
16	1331 2210	3331 2213	1220 1001	3331 2213
17	1022 3232	2233 2323	0011 2112	2233 3333
18	1245 5322	3344 5323	2235 3421	3345 5323
19	2223 0121	4331 1213	2311 0001	4333 1223
20	2543 2421	4433 2232	2342 0121	4543 2432
21	4423 2311	5332 1323	3433 1111	5433 2323
22	0001 1110	2112 1021	0000 0000	2112 1121
23	1111 0101	2211 1111	1100 0000	2211 1111
24	0000 1121	2111 2223	2000 0021	2111 2223
25	2122 1000	4212 2112	2200 0000	4222 2112
26	2243 2221	2432 2323	2222 1111	2443 2323
27	2366 4421	2355 4232	1265 5111	2366 4432
28	1433 2101	4312 2013	3213 0010	4433 2113
29	0230 1111	1221 1012	0010 0000	1231 1112
30	0031 0100	2131 1112	1131 0001	2131 1112

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 49

JULY

DAY	D	H	Z	K
1	1343 3311	2332 3222	0021 2111	2343 3322
2	2254 2200	2233 2201	1144 3000	2254 2201
3	0444 2004	2334 2025	0234 1004	2444 2025
4	4563 1101	5554 1211	5344 0000	5564 1211
5	2641 2201	4532 2213	2432 1001	4642 2213
6	2443 3000	3333 3101	2333 3000	3443 3101
7	0011 0210	1111 1102	0000 0010	1111 1212
8	1111 3114	1211 2005	0100 2003	1211 3115
9	3755 6443	4643 6455	3755 6624	4755 6455
10	3112 3442	5322 3433	6200 2321	5322 3443
11	2142 3231	3222 1223	2210 0111	3242 3233
12	3322 3232	3322 2224	2332 2111	3322 3234
13	2431 1220	3222 1232	1201 0011	3432 1232
14	2331 1110	3332 1123	2322 0101	3332 1123
15	0113 0010	2223 1012	1202 0000	2223 1012
16	0000 3110	3211 2111	2100 2000	3211 3111
17	0000 1222	3112 2112	1000 1001	3112 2222
18	1302 1101	2211 1123	2101 0010	2312 1123
19	1212 0010	2201 2212	1102 1001	2212 2212
20	0120 1011	1211 2002	0000 0000	1221 2012
21	2334 3332	4334 3334	2314 4322	4334 3334
22	2231 0121	3232 0233	1133 0102	3232 0233
23	2242 1110	4332 3220	2210 0110	4342 3220
24	2452 3124	4343 3234	3341 3213	4453 3234
25	5785 4213	5675 5235	5675 5424	5785 5235
26	4454 3212	5443 2113	3434 4001	5454 3213
27	0333 2320	2333 2322	0323 2201	2333 2322
28	0000 1200	1121 2012	0100 0010	1121 2212
29	2676 5430	3456 5532	2466 6521	3676 5532
30	1432 1100	2321 3102	1210 0001	2432 3102
31	2434 2223	4433 2234	3332 1022	4434 2234

AUGUST

DAY	D	H	Z	K
1	0212 0000	3321 0112	2001 0000	3322 0112
2	2223 1100	2221 2112	2100 0010	2223 2112
3	0101 1010	2213 1111	0000 0000	2213 1111
4	0022 1210	1121 1111	0000 0000	1122 1211
5	0100 0101	1211 2111	0000 0000	1211 2111
6	0112 1311	1212 1222	0001 0200	1212 1322
7	2112 1322	3122 2234	1000 2112	3122 2334
8	2356 3232	3245 3333	2345 5011	3356 3333
9	5444 3221	5333 1222	4234 3011	5444 3222
10	0134 2210	3222 3222	2012 2010	3234 3222
11	0422 2211	3321 2113	1122 0000	3422 2213
12	1433 1130	3432 0122	1321 0022	3433 1132
13	1122 1100	2222 2012	1010 0000	2222 2112
14	0220 0200	1111 0112	0000 0101	1221 0212
15	0111 1112	2311 0013	1000 0001	2311 1113
16	2310 0015	3211 1115	2100 0003	3311 1115
17	5886 5442	5875 4643	4885 4431	5886 5643
18	4545 4332	4335 4444	4435 3432	4545 4444
19	4434 3110	4313 2111	3303 1100	4434 3111
20	0023 0000	0131 2001	0021 1000	0133 2001
21	0113 1000	1101 0211	0101 1010	1113 1211
22	0102 4211	1012 2211	0001 3001	1112 4211
23	0343 2100	2322 2112	0221 1000	2343 2112
24	0201 0000	1210 0012	0100 0000	1211 0012
25	1333 3211	2222 2213	1111 2012	2333 3213
26	1453 5320	3434 4222	2232 4210	3454 5322
27	3332 3311	3322 2312	2321 1010	3332 3312
28	1221 2222	3332 1223	1010 0102	3332 2223
29	2433 1100	3322 1111	1122 2000	3433 1111
30	1321 1100	3212 1100	1000 0000	3322 1100
31	1245 3331	1333 2422	0123 3211	1345 3432

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 50 SEPTEMBER

DAY	D	H	Z	K
1	0156 4432	1244 4334	0045 2212	1256 4434
2	2114 3321	3223 3322	1004 2100	3224 3322
3	1434 3322	2333 4224	1123 4112	2434 4324
4	2142 4322	3232 2223	1021 1001	3242 4323
5	1201 1312	2222 1323	1000 1101	2222 1323
6	0100 1221	1222 2122	0000 0001	1222 2222
7	2002 2112	2211 2123	0000 0001	2212 2123
8	1132 2222	1232 3212	0022 2001	1232 3222
9	0001 1322	0111 1322	0000 0011	0111 1322
10	3310 0200	2320 1100	1100 0000	3320 1200
11	1000 0000	3200 0011	0000 0000	3200 0011
12	2442 0001	2221 1012	1131 0000	2442 1012
13	0455 4432	2433 4434	1144 4322	2455 4434
14	3225 4322	3333 3223	2024 3321	3335 4323
15	3432 3120	4331 1122	2121 1000	4432 3122
16	2343 3100	2332 2102	1121 0000	2343 3102
17	1442 1100	2442 1201	0130 0000	2442 1201
18	1233 1120	3242 1221	1131 0010	3243 1221
19	0535 3232	0434 2223	0233 1001	0535 3233
20	1553 2222	2333 2224	0122 1101	2553 2224
21	3443 4231	3343 2232	1243 4311	3443 4232
22	4533 2111	3322 2112	1212 0000	4533 2112
23	1035 1210	2133 2002	0023 0100	2135 2212
24	1222 1211	2222 0111	0000 0001	2222 1211
25	0333 0020	1343 0021	0033 0000	1343 0021
26	1332 1111	1223 1011	0010 0000	1333 1111
27	2453 2222	2342 2212	1233 1001	2453 2222
28	2100 1211	3221 1111	2000 0000	3221 1211
29	0010 0202	1221 0004	0000 0001	1221 0204
30	0321 1212	2332 1113	0110 0101	2332 1213

OCTOBER

DAY	D	H	Z	K
1	2331 2222	3221 1112	0000 0001	3331 2222
2	3113 2233	2012 1122	1000 0011	3113 2233
3	2322 2332	3222 2223	1110 0111	3322 2333
4	3544 3322	3543 3322	1333 2111	3544 3322
5	2343 1101	2232 1112	2131 0001	2343 1112
6	1122 0011	2112 0012	0001 0000	2122 0012
7	0031 2101	0221 1001	0010 0000	0231 2101
8	1000 0000	1012 0001	0000 0000	1012 0001
9	0010 1100	0221 0001	0000 0000	0221 1101
10	1251 1213	1131 1013	0030 0000	1251 1213
11	2245 4132	2243 2022	1033 1000	2245 4132
12	5554 1100	4433 2001	3332 0000	5554 2101
13	1341 4311	0232 1201	0020 3100	1342 4311
14	1332 2112	2332 0001	0120 0000	2332 2112
15	1111 1000	1121 0111	0000 0000	1121 1111
16	0005 5562	0015 5453	0006 6231	0015 5563
17	2254 4234	2233 3334	1033 4334	2254 4334
18	5555 3321	3553 3223	3531 1100	5555 3323
19	0233 2 0	2332 1 1	0132 1 00	2333 2 1
20	0244 1000	1132 0001	0023 1000	1244 1001
21	0000 0001	0000 0001	0000 0000	0000 0001
22	2234 5233	1232 3122	0031 3022	2234 5233
23	3544 5433	3333 3322	2223 2321	3544 5433
24	2343 3200	2332 0000	1143 2000	2343 3200
25	0341 3110	0230 3110	0020 0000	0341 3110
26	0002 0001	0102 0001	0000 0000	0102 0001
27	1011 0012	1011 0012	0000 0000	1011 0012
28	2220 2213	2221 2113	1110 0101	2221 2213
29	2132 1223	2132 2223	0011 1001	2132 2223
30	3302 1200	3311 1100	0100 0000	3312 1200
31	0112 0111	0022 0000	0001 0000	0122 0111

THREE-HOUR RANGE INDICES

VICTORIA 1970

TABLE 51 NOVEMBER

DAY	D	H	Z	K
1	0001 0100	0001 0000	0000 0000	0001 0100
2	0023 3112	0032 2002	0022 2000	0033 3112
3	0122 1112	2221 0012	0000 0000	2222 1112
4	1032 2011	1022 0012	0020 0000	1032 2012
5	1332 1121	2231 1112	0010 0000	2332 1122
6	2343 5311	1333 3101	0133 3100	2343 5311
7	5668 5322	5467 5334	2476 5512	5668 5334
8	2323 2110	2201 2100	1001 0000	2323 2110
9	0233 2310	0222 1221	0022 0100	0233 2321
10	2415 5432	2314 3422	0204 3210	2415 5432
11	3335 3421	4333 2322	2334 1201	4335 3422
12	1343 3210	1332 3200	0131 2100	1343 3210
13	1332 3112	1221 3101	0011 2200	1332 3112
14	1132 0220	1122 0100	0010 0000	1132 0220
15	0002 2111	0002 0021	0001 0001	0002 2121
16	0002 1211	1001 2200	0001 0100	1002 2211
17	0102 1110	1301 1000	0001 0000	1302 1110
18	0020 5324	1020 4414	0010 3202	1020 5424
19	5432 0000	4441 1000	3330 0000	5442 1000
20	0000 0110	0010 1000	0000 0000	0010 1110
21	1356 6521	0246 6311	0057 5521	1356 6521
22	2434 4421	3334 3220	1232 2210	3434 4421
23	2245 6422	2233 4412	0144 3200	2245 6422
24	0222 2322	1332 2232	0021 1011	1332 2332
25	2104 2432	2202 1221	0003 0111	2204 2432
26	1103 1212	0101 1211	0000 0000	1103 1212
27	1122 4213	2022 3122	0021 1000	2122 4223
28	1322 3310	1311 2201	0010 0000	1322 3311
29	0010 0201	0000 0000	0000 0000	0010 0201
30	0000 0000	0000 0000	0000 0000	0000 0000

DECEMBER

DAY	D	H	Z	K
1	0001 0000	0000 0000	0000 0000	0001 0000
2	0000 2221	0000 1211	0000 0000	0000 2221
3	0022 0101	1021 0000	0020 0000	1022 0101
4	0012 2122	0021 1011	0010 0000	0022 2122
5	0233 1311	0133 1200	0022 0100	0233 1311
6	1133 3200	1042 3100	0032 2000	1143 3200
7	1122 3222	0011 2111	0000 2001	1122 3222
8	4354 4222	3333 3111	3244 3100	4354 4222
9	1303 2100	0212 1000	0102 0000	1313 2100
10	0013 2100	0011 2000	0000 0000	0013 2100
11	0010 0100	0100 0000	0000 0000	0110 0100
12	0012 3011	0021 1000	0001 0000	0022 3011
13	1100 0111	1001 0011	0000 0000	1101 0111
14	3685 4444	3586 3334	2495 4223	3686 4444
15	3434 3220	3334 2200	2222 2000	3434 3220
16	0011 0000	0010 0000	0000 0010	0011 0000
17	0002 2000	0101 0000	0000 0000	0102 2000
18	0010 0002	0010 0002	0000 0000	0010 0002
19	0044 0222	0022 0022	0022 0011	0044 0222
20	0244 3110	1123 2000	0022 0000	1244 3110
21	0022 1000	0012 0000	0001 0000	0022 1000
22	2132 1101	1121 1000	0000 0000	2132 1101
23	3211 2102	2212 2100	0001 0000	3212 2102
24	3322 2201	3311 1210	2211 0000	3322 2211
25	0000 0111	0000 1211	0000 0000	0000 1211
26	1311 0110	0211 0010	0000 0000	1311 0110
27	0102 1213	0212 2212	0000 1000	0212 2213
28	2313 3322	1212 2121	0101 2000	2313 3322
29	2141 1323	2121 1223	0020 0111	2141 1323
30	2410 1311	2211 1311	1200 0100	2411 1311
31	0000 0000	0001 1001	0000 0000	0001 1001