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RECORD OF OBSERVATIONS AT  
BAKER LAKE MAGNETIC OBSERVATORY  
1957 - 1958

With a Summary of Earlier Observations

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## CONTENTS

	PAGE
INTRODUCTION.....	131
TABLES	
1- 18 Hourly Values of the North Component of Horizontal Intensity, the East Component of Horizontal Intensity, and Vertical Intensity for 1957; Hourly, Daily and Monthly Means.....	135-152
19- 27 Diurnal Inequalities of X, Y, and Z, not corrected for non-cyclic changes, on all days, and on international quiet and disturbed days by month, 1957.....	153-155
28- 63 Hourly values of X, Y, and Z for 1958; Hourly, Daily and Monthly Means....	156-191
64- 72 Diurnal Inequalities of X, Y and Z, not corrected for non-cyclic changes, on all days, and on international quiet and disturbed days by month, season and year 1958.....	192-194
73-114 Summary by month, season and year of the Mean Hourly Values of X, Y, and Z for March, 1951—June, 1957 inclusive, for all days and the international quiet days.....	195-208
115-132 Hourly Ranges in the Principal Horizontal Magnetic Field Component for the period July 1957—December 1958.....	209-226

CONTENTS

Introduction.....	1
<b>Tables</b>	
1-18 Hourly Values of the North Component of Horizontal Intensity, the East Component of Horizontal Intensity, and Vertical Intensity for Daily, Hourly, Daily and Monthly Means.....	103-122
19-27 Diurnal Inequalities of X, Y, and Z and corrected for non-cyclic changes, on days and on interannual point and detailed data - by month, 1957.....	123-132
28-33 Hourly values of X, Y, and Z for 1958; Hourly, Daily and Monthly Means.....	133-161
34-43 Diurnal Inequalities of X, Y and Z and corrected for non-cyclic changes, on all days, and on interannual point and detailed data - by month, season and year, 1958.....	162-191
44-49 Summary by month, season and year of the diurnal inequalities of X, Y, and Z for March, 1951-June, 1957 and the interannual point and detailed data.....	192-204
50-52 Hourly Values in the 1957-1958 period, the 1957-1958 period, and the 1957-1958 period.....	205-214

# BAKER LAKE MAGNETIC OBSERVATORY

Geographic Latitude 64.3° North

Geomagnetic Latitude 73.9° North\*

Geographic Longitude 96.0° West

Geomagnetic Longitude 314.8° East\*

## Introduction

In December 1947 the Division of Geomagnetism of the Dominion Observatory, headed by R. G. Madill, began a program of magnetic field observations at Baker Lake, N.W.T. Following the completion of the first permanent observatory building in December 1950, photographic recording of the magnetic variations was commenced. A second building and additional instruments were provided in 1957 as part of the general expansion of observatory facilities for the IGY.

In geomagnetic coordinates Baker Lake is one of the most northerly permanent magnetic observatories in the world. Its location is particularly suitable for the study of magnetic activity in the transitional region between the auroral zone and the polar cap. Several discussions of the characteristics of magnetic disturbance at Baker Lake have been published; for example, Beals and Madill (1954), Whitham and Loomer (1956), and Whitham and Loomer (1957).

## The Buildings and Sites

The area is one of granitic rocks of the Precambrian Shield. Unfortunately the location of observation sites and buildings has been governed by such practical considerations as ease of construction and availability of power, rather than by magnetic tests of the sites used.

Beginning in December 1947 a series of observations of the earth's magnetic field was made at an abandoned site in Baker Lake using a deflection magnetometer and an Askania vertical force balance. These instruments were operated either in the open or in an igloo. In the summer of 1948 the observation site was relocated about 600 yards to the east in the vicinity of the Department of Transport ionosphere station.

The first observatory building consisted of an insulated, wooden, prefabricated building of non-magnetic construction 12 feet by 24 feet in size, erected in 1948 with its long axis approximately magnetic east-west. For reasons of accessibility to power and convenience of operation, it was located about 100 yards north of the ionosphere station. Instrument piers consisting of large

timbers set in the permafrost were not constructed until December 1950. Also at this time a light-tight room was partitioned off for a set of laCour photographic variometers.

In order to take advantage of bedrock outcrops in constructing new instrument piers, the second observatory building, erected in the summer of 1956, was located at the top of a low cliff about 200 yards north-west of the previous site. The new observatory consisted of an insulated aluminum prefabricated building 14 feet by 22 feet in size, erected with its long axis geographic north-south. A light-tight room, approximately 15 feet by 7 feet and 8 feet high, was partitioned off for a set of Ruska photographic variometers. Concrete piers on bed rock were poured for the photographic variometers and absolute instruments.

In both buildings care was taken to make certain the piers were decoupled from the wooden floors, which float on gravel pads. The buildings are heated electrically: six 1000-watt glass panel heaters, thermostatically controlled, are used in the new building; 4000 watts only are available at present for heating the old observatory.

The station differences between the absolute piers in the Ruska and laCour buildings have been determined as follows: in H,  $-45 \pm 3$  gammas; in D,  $+7 \pm 3$  minutes; and in Z,  $+5 \pm 3$  gammas.

In the table of annual mean values given later, the absolute values are referred to the absolute pier at the Ruska building, earlier values being corrected for station differences.

## The Magnetic Equipment

### A. Photographic Variometers

In January 1951 a set of three-component laCour variometers was installed to record variations in the declination and the horizontal and vertical components of the earth's magnetic field. The time scale of the laCour magnetograms is 15 mm/hr. Time marks were supplied at half-hour intervals from a chronometer with periodic comparison against WWV time signals.

Until July, 1958, the scale values adopted were:

D: 2.26 mins/mm.

H: 5.70 gammas/mm.

Z: 8.06 gammas/mm.

\* Assuming the position of the geomagnetic pole is 78.3°N, 69.0°W. (Finch and Leaton, 1957).

In July, 1958, the laCour variometers were modified to serve as low sensitivity recorders, having the following scale values:

- D: 8.6 mins/mm.  
 H: 37.6 gammas/mm.  
 Z: 32.9 gammas/mm.

In May, 1957, a set of three-component photographic Ruska variometers was installed in the building constructed the previous summer, and aligned to record the geographic components X, Y, and Z of the earth's magnetic field. The time scale used was 20 mm/hr. and time marks were made at the hour and each quarter hour from equipment incorporated into the variometer. By frequent comparison with a chronometer rated against WWV time signals, the time was kept correct to within about a half-minute. However, to achieve this accuracy in timing events on the magnetograms, parallax corrections, some four to five times larger, must be made.

Scale values of the Ruska variometers were checked monthly using the Helmholtz coils supplied. The scale values for X and Y were constant at  $4.23 \pm 0.02$  and  $5.96 \pm 0.02$  gammas/mm, respectively. The Z scale values drifted considerably, decreasing between May and August 1957 from 4.9 to 4.3 gammas/mm and increasing from 5.14 gammas/mm in September 1957, when the variometer was readjusted, to 7.43 gammas/mm in December 1958. These changes were not strictly linear in time, but suggested a small seasonal dependence with maximum Z values occurring during the winter months. The precise cause of this drifting is not known, but it may be due to tilting of the recorder bed and the consequent tilting of the temperature compensating magnet above the vertical force variometer. The Z scale value adopted as the average for the month was interpolated from the smoothed graph of observed values at the midpoint of each month.

The sensitivity of the Ruska temperature trace was  $1.4 \text{ C}^\circ/\text{mm}$ . After compensation the temperature coefficients of the X, Y, and Z-variometers were about  $-1.9$  gammas/ $\text{C}^\circ$ ,  $-0.5$  gamma/ $\text{C}^\circ$ , and  $-0.5$  gamma/ $\text{C}^\circ$  respectively. These small residual temperature effects were disregarded in base-line calculations and mean hourly value measurements, since the temperature variations in the variometer room were very small.

### B. The Stand-by Variometer

A three-component electrical magnetometer built commercially to an Observatory design (Serson, 1957), with a chopper-bar type inked output chart, has been in operation at Baker Lake observatory since May 1957. The scale value normally is 8.3 gammas/mm corresponding to a full scale sensitivity of 1000 gammas in all components. X, Y, and Z are recorded, and the chart values

are used to interpolate for missing values of the Ruska record. Such interpolated values have been indicated in the tables by brackets. By means of limit switches and a relay, the sensitivity of the electrical magnetometer is halved whenever any one element goes off scale, thus converting the instrument into a storm recorder.

Previous to May 1957, three electrical magnetometers, recording D, I, and Z, prototypes of the present unit, had been in operation at Baker Lake on an experimental basis. The records were, however, of very limited use.

### C. Absolute Instruments

The absolute equipment available for the determination of base lines consisted of a portable three-component electrical magnetometer of the saturable-core type (Serson, Hannaford, 1956), used for the determination of declination, inclination, and total field intensity. After May, 1957, a quartz horizontal magnetometer—No. 257—became available, and thereafter furnished the primary standard of horizontal field intensity. The correction of QHM No. 257 to IMS is unknown, but believed to be small.

The force constants of the electrical magnetometer change appreciably with time; see, for example, Loomer (1961) and Whitham and Hoge (1961). As a result the initially determined Z base-line values showed considerable scatter. The force constants were checked on an average once every two years by comparison with an electrical magnetometer previously calibrated in Ottawa.

### Absolute Observations of Base-Line Values

Absolute observations were generally made twice each month. Simultaneous marks were placed on the Ruska record and the base-line values determined by calculation from the observed values and the measurement of the record ordinates at these points. Since the disturbance level is high and in general appreciable even at quiet times, it was necessary to make allowances for the natural field changes which occurred between absolute observations of different elements. Also, the absolute determinations of D, I, F, and H to obtain X, Y, and Z base lines involved considerable calculation. Furthermore, the auxiliary potentiometer required for the electrical magnetometer measurements of total field intensity was sufficiently magnetic to interact with the X and Y variometers and could consequently only be brought into the building when F observations were actually in progress. The standard cell was of course kept permanently in the building.

The base-line values were adopted by fitting the best straight lines to the observed values between known discontinuities. The r.m.s. values of the adopted minus mean observed base lines for the Ruska variometers for the IGY period were 6 gammas in X, 6 gammas in Y,

and 15 gammas in Z. It is believed that individual determinations of X and Y (each a mean of six) are reliable to a few gammas, whereas determinations of Z may be in error by 35 gammas.

For the period May 1957 to December 1958, discontinuities occurred in the X base line on June 19, December 30, 1957, May 12, 20, August 2, 1958; in the Y base line on June 19, December 2, 30, 1957, January 2, 3, 5, May 19, August 2, 1958; in the Z base line on June 21, September 1, 16, 1957, January 1, 11, May 8, 12, 20, 22, 1958.

### Magnetic Reductions

The time used throughout is Universal Time — U.T. The hourly values of X, Y, and Z were obtained from the magnetograms by means of a ruled transparent scale. Each value is that ordinate estimated to be the mean reading for 60 minutes, centred on the half-hour. The product of the ordinate and the scale value is added to the adopted base-line value and the sum obtained is the appropriate hourly value printed in the tables. From the tabulated values for each calendar month are derived the mean hourly value for each hour of the day, and the mean daily value for each day of the month. These values for the period July 1957 to December 1958 are given in Tables 1-18 and 28-63.

The mean diurnal inequalities of the components X, Y, and Z, not corrected for non-cyclic change, on all days, and on international quiet and disturbed days, are given for the period July 1957 to December 1958 in Tables 19-27 and 64-72.

In addition, monthly mean hourly values of D, H, and Z for all days and international quiet days have been included for the period March 1951 to June 1957. They are given in Tables 73-114. The values for H and Z have been corrected for temperature variations. The accuracy of these results, particularly in Z, is considerably less than that claimed for the Ruska values, owing to seasonal tilting of the laCour instrument pier. The effect of this tilting appeared to be significant in Z only. An empirically determined correction was applied to the Z values, but its validity is not certain.

### Magnetic Activity and Disturbance Indices

During the IGY period the magnetograms were read each month for sudden commencements, bays and clear pulsations and the results forwarded on standard forms, in the manner internationally recommended, to Com-

mittee No. 10 of the International Association of Geomagnetism and Aeronomy.

Tables 115-132 give the hourly range in X, the principal horizontal magnetic field component recorded at Baker Lake, for the period July 1957 to December 1958. The hourly range was chosen as the index to represent irregular magnetic activity at Canadian IGY observatories (Whitham, Loomer, Niblett, 1960).

Three-hour range indices for Baker Lake for the period 1952-1955 have been published by Onhauser and Onhauser (1958). From these indices the internationally accepted Z-indices were derived. The lower limit adopted for K=9 was 2500 gammas.

### Summary of Annual Mean Values

Annual mean values for the years 1951 to 1958 are given below. H and D values for the period July 1957 to December 1958 have been calculated from the measured values of X and Y.

Year	H	D	Z	X	Y
	$\gamma$	$^{\circ}$ $'$	$\gamma$	$\gamma$	$\gamma$
1951.6	3640	2 33	60237	—	—
1952.5	3655	2 37	60224	—	—
1953.5	3678	2 44	60232	—	—
1954.5	3710	2 36	60238	—	—
1955.5	3745	2 34	60299	—	—
1956.5	3807	2 28	60322	—	—
1957.5	3844	2 34	60341	—	—
1958.5	3879	2 39	60346	3875	179

The annual mean values, 1951-1958, indicate that H has increased at a mean rate of 37 gammas/year; that D east after two reversals of sign is currently increasing at about 5 mins/year; and that Z after an initial decrease appears now to be increasing at approximately 20 gammas/year.

### Acknowledgements

The summary tables of mean hourly values March 1951-June 1957 were prepared from monthly abstracts compiled previously by J. L. Roy of this Division.

The practical help and advice of Dr. K. Whitham in the presentation of these results is gratefully acknowledged.

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Year	H	D	X	Z
1957	4840	1	0023	—
1958	4870	1	0024	—
1959	4900	1	0025	—
1960	4930	1	0026	—
1961	4960	1	0027	—
1962	4990	1	0028	—
1963	5020	1	0029	—
1964	5050	1	0030	—
1965	5080	1	0031	—
1966	5110	1	0032	—
1967	5140	1	0033	—
1968	5170	1	0034	—
1969	5200	1	0035	—
1970	5230	1	0036	—
1971	5260	1	0037	—

Magnetic Reductions

The hourly values of X, Y, Z and H were obtained from the magnetometer by means of a special instrument. Each value is that obtained after correction for the magnetic field of the magnetometer, reduced on the half-hour. The product of the ordinate and the scale value is the observed hourly value and the sum obtained is the uncorrected hourly value given in the table. From the uncorrected values for each calendar month we derived the mean hourly value for each hour of the day, and the mean daily value for each day of the month. These values for the period July 1957 to December 1958 are given in Tables 1-12 and 13-23.

The mean diurnal induction of the component X, Y and Z corrected for non-cyclic change, magnetic end or rotational quiet and disturbed days, are given for the period July 1957 to December 1958 in Tables 10-12 and 13-15.

In addition monthly mean hourly values of X, Y and Z for all days and rotational quiet days have been included for the period March 1951 to June 1956. These are given in Tables 7-9-11. The values for H, X, Y and Z have been corrected for temperature variations. The values of these results, particularly in X and Y, are less than that claimed for the Rosen station. The reason for this is that the low induction of the low induction type of magnetometer appeared to be equivalent to a higher induction. A determined correction was applied to the values, its validity is not certain.

Magnetic Activity and Geomagnetic Indices  
 During the IGY period the magnetic activity was recorded by the magnetometer and the geomagnetic indices were derived from the hourly values of X, Y, Z and H.

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
**Mean values for periods of sixty minutes, Universal Times**

Table 1 Baker Lake

3,500  $\gamma$  +

July 1957

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	286	354	392	499	465	448	516	405	456	482	414	384	392	418	367	277	320	388	264	213	311	384	384	414	385
2 D	392	397	388	354	354	345	350	367	358	350	362	405	401	490	607	598	448	-327	-285	-103	-001	405	406	367	310
3 D	435	524	354	358	320	341	362	354	303	286	222	273	128	294	316	303	320	371	277	213	230	388	446	431	327
4	388	375	371	371	367	362	371	354	354	354	328	307	337	350	316	311	311	307	299	388	337	201	269	320	335
5 D	273	371	414	529	507	175	354	409	414	260	384	222	218	286	337	294	264	333	324	358	405	256	226	273	329
6	414	448	375	362	388	384	401	384	422	392	392	384	328	277	235	414	358	299	371	358	145	269	256	350	350
7	431	439	397	350	380	397	384	401	414	418	392	333	392	290	286	256	303	328	367	286	337	405	435	388	367
8	371	375	333	371	375	371	426	397	392	401	414	375	362	375	358	350	282	299	371	486	512	414	418	490	388
9	380	371	401	380	338	380	397	401	392	397	397	367	328	320	226	100	104	311	384	418	456	426	431	418	357
10 Q	414	414	384	362	354	397	414	409	388	367	362	362	337	341	337	328	328	337	367	367	380	405	448	456	377
11 Q	426	409	354	392	392	375	371	362	371	380	375	324	286	299	303	337	333	362	392	409	499	541	507	452	385
12	414	414	499	422	380	388	401	397	392	375	337	341	269	239	252	333	303	294	303	320	422	460	431	388	366
13 Q	397	414	388	367	380	380	375	371	375	380	388	401	405	333	243	273	333	328	341	367	388	388	414	418	368
14	405	384	380	375	375	375	375	384	431	443	448	409	358	294	307	307	273	307	345	392	456	422	460	431	381
15 Q	418	392	375	409	380	375	375	384	397	409	414	362	354	354	333	286	290	328	341	354	392	452	469	473	380
16	460	465	422	401	409	409	405	456	486	477	509	477	509	388	456	512	380	469	499	742	563	567	550	477	478
17	388	380	397	392	384	380	371	371	362	380	465	477	503	473	354	235	333	354	354	426	477	516	495	473	406
18	432	397	358	362	367	397	388	401	405	371	409	341	290	294	252	205	311	405	380	401	435	397	269	290	356
19 D	345	358	397	392	397	388	414	431	422	392	341	345	368	354	086	-017	-162	-017	-013	076	141	230	277	311	262
20	307	362	362	362	392	375	414	409	405	409	396	405	392	367	362	209	196	273	456	452	460	392	354	337	369
21	431	397	388	375	371	371	380	375	375	380	393	393	362	362	328	239	299	320	337	375	431	452	384	439	373
22	469	456	409	397	426	465	499	460	435	409	452	477	384	401	456	554	448	375	328	239	061	419	341	397	408
23	422	426	367	431	448	397	388	414	409	431	401	397	401	401	375	337	282	273	303	367	414	414	435	520	394
24	435	456	405	375	375	367	375	388	422	401	409	460	388	316	290	418	375	469	622	563	405	448	469	367	419
25	426	452	375	371	375	392	422	414	414	405	409	443	426	409	341	264	311	341	354	358	397	418	439	443	392
26 Q	418	409	375	380	384	388	409	401	414	456	456	465	469	409	316	320	333	337	345	358	375	388	405	426	393
27	408	380	380	375	371	371	375	384	388	375	380	380	362	345	350	316	337	337	350	350	(372	462	440	433)	375
28	429	409	375	371	371	401	388	384	371	367	375	397	371	358	307	311	307	320	(361	379	373	385	418	413)	373
29	(401	437	385	398	386	373	379	407	353	380	295	225	252	208	191	138)	256	303	358	414	422	273	316	422	332
30	(429	408	379	390	375	368	362	373	390	381	377	370	330	312	266	221	249	325	331)						
31	(422	394	383)	371	392	384	373	(378	379	373	362	325	278	278	325)	243	316	328	350	371	431	316	277	414	353
Mean	401	408	386	388	388	378	395	395	397	390	389	375	355	344	320	302	296	305	328	357	367	396	396	407	370



**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 2 Baker Lake

July 1957

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	-178	-160	-183	-047	-083	-065	125	066	190	137	184	226	244	279	273	267	321	327	(546)	290	149	160	166	143	141
2 D	131	143	149	137	172	160	160	119	125	048	083	059	062	113	214	445	552	617	362	344	285	166	137	125	208
3 D	137	101	-071	-053	012	066	030	101	107	077	066	072	095	226	273	315	321	386	338	273	184	184	155	196	150
4	149	143	149	149	155	149	143	137	178	184	160	(172)	202	214	208	196	196	172	344	214	410	255	196	107	191
5 D	149	083	095	030	-023	-172	060	048	060	012	072	131	178	267	261	291	303	297	297	327	410	309	214	190	162
6	(190)	137	113	072	030	077	083	131	143	172	137	178	178	238	255	255	232	202	303	504	350	267	143	107	188
7	(172)	172	149	048	-035	048	101	125	155	160	178	208	172	214	261	249	232	249	273	291	220	178	178	155	174
8	(131)	137	030	036	131	113	131	107	107	155	137	208	208	238	273	226	208	172	244	350	398	303	202	202	185
9	107	089	172	160	149	143	137	125	131	155	155	178	202	208	238	255	279	214	261	214	226	208	178	184	182
10 Q	(155)	125	089	072	101	107	107	155	172	190	202	208	202	214	214	190	190	172	172	166	160	166	202	214	164
11 Q	202	155	119	155	155	143	137	131	131	149	178	226	214	255	220	214	202	190	190	178	244	285	226	196	187
12	155	149	125	101	131	131	137	125	149	160	155	155	160	214	244	220	226	273	315	327	273	238	190	178	189
13 Q	166	178	184	155	155	160	166	166	160	166	166	178	196	208	244	220	184	172	149	137	143	149	166	184	173
14	190	178	172	160	160	160	178	184	178	184	178	184	214	232	226	220	155	160	190	214	327	321	285	178	201
15 Q	172	101	077	172	166	160	166	166	160	172	190	208	214	226	232	238	208	172	172	184	172	202	220	232	183
16	214	208	190	184	166	166	172	160	149	196	178	178	214	267	315	303	404	421	487	504	310	338	309	184	259
17	(196)	160	143	137	143	149	137	149	160	172	137	196	220	226	255	279	172	172	172	291	285	332	261	214	198
18	178	149	149	155	125	089	066	089	125	125	137	170	196	249	220	220	309	398	427	421	427	362	202	155	214
19 D	101	030	-035	066	101	155	113	089	101	119	202	220	249	244	321	439	415	398	297	232	137	184	208	160	189
20	119	054	042	072	072	095	089	119	137	166	190	202	208	214	244	309	291	309	398	410	291	273	160	155	192
21	202	172	143	143	149	160	160	166	160	178	190	184	184	220	238	244	208	190	172	196	202	208	178	220	186
22	(184)	166	172	149	125	066	083	125	155	172	131	202	226	184	226	267	386	410	433	404	178	303	160	172	212
23	(137)	137	143	101	077	131	155	190	196	178	184	190	184	208	220	196	178	172	166	196	202	190	196	202	172
24	(178)	184	172	160	149	160	155	149	155	178	160	155	202	184	184	155	255	356	356	244	184	273	291	178	201
25	202	166	166	143	119	113	131	149	137	172	190	202	226	226	220	220	190	160	155	190	178	196	208	208	178
26 Q	208	184	166	166	160	172	160	160	160	184	166	184	214	249	220	202	190	178	166	149	143	160	160	190	179
27	173	172	178	155	149	130	166	172	172	184	202	214	220	226	232	226	214	190	176	153	177	199	177	177	186
28	171	166	150	137	143	166	166	160	160	184	214	214	220	220	220	220	226	202	181	156	154	134	171	163	179
29	160	138	144	106	103	150	156	145	151	123	094	146	198	215	276	315	246	178	208	226	315	143	160	178	178
30	179	180	159	158	091	123	146	156	149	195	205	209	222	226	239	238	235	192	192						
31	202	195	167	155	160	160	161	167	165	164	156	192	191	240	217	220	196	178	178	160	261	196	143	184	184
Mean	156	135	117	114	120	115	132	136	148	155	161	182	197	223	241	253	256	257	268	264	246	229	195	178	186

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

Table 3 Baker Lake

Hour U. T. Day	60,000 $\gamma$ +																								Mean
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
1 D	116	236	365	365	325	432	405	414	414	445	445	418	400	414	436	392	254	281	-075	-017	-039	165	276	276	298
2 D	321	316	321	332	336	329	347	321	360	423	494	511	765	915	756	830	987	827	258	263	143	263	249	263	455
3 D	303	232	289	272	263	329	409	352	352	374	423	551	778	614	543	298	258	174	138	099	081	138	138	090	313
4	283	329	334	329	330	325	343	347	369	365	316	400	378	356	347	329	307	316	316	307	134	045	019	010	293
5 D	054	165	227	263	329	558	289	347	494	582	582	760	640	511	423	392	303	303	334	303	183	005	094	121	344
6	143	214	218	263	307	307	325	338	352	343	378	427	427	445	396	525	476	325	316	285	170	063	161	-004	300
7	205	205	281	289	414	352	347	347	374	383	369	378	383	445	423	334	272	281	303	143	107	218	196	196	302
8	201	227	241	254	272	281	329	449	458	405	414	405	414	436	449	440	387	432	352	318	170	143	232	192	329
9	192	178	245	285	298	316	329	387	427	369	360	365	392	454	489	525	392	272	307	298	205	138	143	094	311
10 Q	130	161	227	249	254	321	396	378	356	343	325	321	321	312	298	294	294	303	289	303	307	312	307	241	293
11 Q	214	201	196	205	254	267	272	267	294	329	369	378	378	343	312	276	263	267	276	267	161	125	214	192	264
12	103	121	165	245	289	303	298	321	369	365	400	432	511	400	329	285	276	289	218	143	054	130	090	121	261
13 Q	138	161	241	289	303	307	303	303	307	316	316	321	378	470	400	298	294	303	303	298	307	316	312	303	303
14	283	279	274	269	279	279	293	279	288	317	355	398	455	464	417	374	317	274	279	340	217	099	093	099	296
15 Q	155	193	212	221	250	269	279	269	283	288	326	336	293	298	269	259	240	240	250	274	298	283	221	150	257
16	193	217	240	245	245	274	269	292	345	302	288	417	474	459	562	383	488	426	259	121	355	240	036	017	299
17	117	174	202	231	250	250	250	264	269	274	283	274	355	440	426	331	207	259	250	298	288	231	188	121	259
18	145	193	245	250	259	264	350	440	402	383	440	483	497	383	336	321	502	455	359	236	126	017	093	069	302
19 D	098	174	207	174	193	240	245	288	369	359	398	317	340	336	421	731	835	650	274	164	136	193	193	145	312
20	160	131	183	193	240	283	340	321	302	307	321	326	345	383	436	378	198	302	374	255	207	083	083	-017	256
21	169	240	259	259	274	274	274	288	298	298	288	298	359	400	459	374	259	250	250	245	221	069	045	121	261
22	207	198	231	255	250	269	407	417	317	321	321	398	502	540	540	398	497	493	388	231	207	002	140	212	322
23	179	202	236	240	279	288	298	293	288	279	331	321	350	359	331	321	345	326	321	321	321	302	240	064	285
24	079	164	221	245	264	279	279	279	321	369	378	393	578	488	488	526	521	540	469	450	279	183	069	145	334
25	107	164	221	236	279	321	359	345	307	307	336	350	336	321	326	326	250	245	255	307	302	312	317	269	287
26 Q	226	236	269	264	274	274	283	283	283	312	364	359	336	359	336	302	279	274	259	269	274	283	274	269	289
27	323	259	250	245	279	274	279	279	279	288	293	279	288	288	279	259	250	250	250	252	228	220	212	204	263
28	204	226	226	221	236	255	259	283	288	279	274	269	298	274	283	240	226	217	228	236	236	236	228	244	249
29	236	204	212	228	252	260	268	300	309	357	483	474	388	457	517	270	155	212	202	193	155	079	160	207	274
30																	244	252	301						
31	172	268	254	292	284	284	254	292	301	309	341	365	439	381	310	301	244	276	284	260	107	019	083	043	257
Mean	182	209	243	257	278	302	313	326	339	346	367	391	427	426	411	377	353	335	276	249	198	164	170	149	295

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 4 Baker Lake

3,500  $\gamma$  +

August 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	445	375	409	403	393	396	421	400	396	371	375	421	468	468	354	337	337	383	396	417	400	392	417	404	399
2	421	366	332	354	396	383	400	413	417	383	362	375	294	298	286	231	341	337	371	332	273	273	311	315	344
3 D	311	375	379	371	371	379	404	392	383	379	387	379	354	298	366	332	201	-142	-120	150	345	383	354	260	304
4	226	324	332	341	387	354	396	379	371	345	341	345	311	273	277	273	286	324	337	358	379	379	396	413	382
5	400	387	375	375	371	371	375	379	387	383	387	387	375	332	307	281	184	099	159	239	239	248	273	286	316
6 D	277	328	392	417	404	421	489	489	447	417	421	455	387	421	371	069	-024	-058	192	146	163	205	256	252	306
7	281	375	392	387	392	413	409	396	404	392	413	392	315	281	192	099	137	209	290	332	404	404	413	404	339
8	392	400	400	392	389	396	404	392	375	383	383	383	375	324	252	294	301	330	353	375	409	436	512	469	380
9	413	385	368	404	387	383	400	409	392	387	392	375	358	366	290	248	273	277	324	383	438	629	502	421	384
10	460	438	371	383	400	413	447	460	464	464	472	502	485	489	493	468	396	337	371	392	438	477	447	366	435
11 Q	358	379	371	366	366	371	366	366	366	375	366	349	358	341	281	315	315	332	341	358	387	417	430	455	364
12	400	434	409	396	430	413	379	400	404	443	396	396	392	421	358	061	014	065	201	311	404	430	434	421	351
13 D	421	413	455	421	447	477	472	451	447	430	443	426	307	188	286	205	235	328	349	409	400	417	396	404	384
14	379	368	371	366	366	354	366	358	362	362	354	358	315	222	099	231	277	303	366	392	349	328	354	311	330
15	328	366	345	362	366	371	379	396	392	379	366	349	362	311	324	307	294	307	324	383	396	265	324	324	347
16	379	396	383	371	379	375	366	366	366	371	379	383	375	337	294	226	303	315	328	366	379	413	413	413	362
17 Q	400	387	375	369	369	371	371	371	371	366	358	371	358	328	273	260	298	315	311	328	358	383	413	434	356
18	417	375	383	354	366	366	375	383	383	387	387	447	477	485	455	413	404	375	341	438	489	608	629	527	428
19	502	472	400	430	417	430	413	404	421	426	409	404	358	375	341	337	337	341	324	279	400	417	421	438	400
20	451	430	366	358	371	379	396	404	413	409	417	417	460	417	277	184	379	532	481	489	502	417	455	400	400
21	366	269	324	371	404	404	417	413	404	400	421	481	519	485	460	438	443	426	328	375	379	383	375	375	403
22 Q	371	366	362	362	358	358	362	366	358	362	362	341	307	307	328	311	320	324	345	358	371	404	455	413	357
23 Q	387	375	362	366	362	362	362	358	362	358	358	345	332	324	303	298	324	337	354	362	375	392	400	387	356
24 Q	375	371	371	371	362	366	371	366	358	362	366	354	324	298	273	290	303	315	332	345	358	413	392	387	351
25	396	391	380	381	381	381	391	391	385	380	380	373	355	319	274	275	250	305	342	324	310	300	279	362	346
26	400	371	371	371	371	371	366	371	371	371	366	362	341	337	222	103	053	154	307	400	434	438	400	417	336
27	349	345	366	404	392	383	383	392	375	392	354	387	379	337	303	265	286	311	252	371	337	371	460	464	361
28	404	379	366	371	371	379	366	392	392	375	366	387	392	311	222	209	269	265	315	392	421	426	362	345	353
29	392	396	379	366	375	371	375	375	371	366	362	341	345	269	265	222	277	294	349	371	323	355	378	370	345
30 D	209	103	205	209	311	324	320	371	362	366	392	307	320	290	307	269	243	273	298	362	371	366	396	400	309
31 D	434	362	341	345	375	392	396	417	421	371	358	341	320	294	-030	-045	256	273	434	642	409	320	332	328	337
Mean	379	371	369	372	382	384	392	394	391	386	385	385	368	340	294	252	268	277	312	364	375	390	399	387	359

EAST COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Baker Lake

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	172	172	142	134	129	112	101	136	172	184	202	172	190	220	232	214	190	220	190	238	178	160	172	160	171	
2	130	118	053	059	095	082	095	124	130	142	202	202	196	232	232	250	184	250	262	274	226	178	124	124	165	
3 D	124	166	166	166	172	160	142	101	130	136	208	196	208	220	202	202	423	429	202	029	178	136	106	106	179	
4	112	065	112	106	071	077	106	130	190	178	184	184	220	202	178	184	172	148	148	154	154	160	166	145		
5	166	172	160	166	160	151	160	172	178	172	196	190	214	214	196	309	339	303	363	268	184	136	089	203		
6 D	023	041	023	065	047	011	071	154	118	154	148	220	244	250	357	303	351	268	238	220	190	166	166	124	165	
7	023	077	124	095	053	089	130	142	166	154	166	172	202	232	262	280	262	238	250	238	208	190	166	166	170	
8	154	154	154	142	136	118	130	148	166	142	172	226	220	214	238	190	173	152	140	161	153	184	228	191	170	
9	130	053	-120	089	148	148	160	154	178	178	196	214	232	244	250	226	214	172	214	190	262	381	262	232	184	
10	148	136	082	047	142	154	148	178	172	172	196	190	214	226	256	202	160	166	232	190	220	292	208	172	179	
11 Q	172	178	160	160	148	166	160	172	172	172	184	202	220	220	214	220	214	190	172	166	166	178	184	220	184	
12	178	148	095	035	077	082	089	172	208	184	208	220	214	208	268	315	322	214	148	232	184	160	196	160	180	
13 D	178	130	077	-049	-049	035	112	178	148	190	224	244	262	268	250	244	232	184	256	262	208	232	190	166	174	
14	172	160	154	154	160	142	142	154	160	178	202	160	178	226	268	244	208	274	196	292	262	178	160	136	190	
15	065	101	106	160	160	166	172	154	160	178	172	208	214	208	220	226	196	184	148	202	303	112	148	136	171	
16	118	112	089	118	048	166	166	172	178	178	196	208	226	226	220	178	172	178	166	166	166	190	178	172	171	
17 Q	178	172	154	161	161	160	160	166	172	184	190	196	224	238	244	238	196	142	136	136	142	142	172	190	177	
18	196	166	148	142	154	160	166	172	178	184	172	190	196	226	238	244	226	166	184	220	292	439	333	244	210	
19	196	130	005	118	106	112	154	160	190	190	214	214	196	220	214	196	178	148	160	166	184	202	208	220	170	
20	202	184	172	148	136	148	160	178	184	208	166	160	166	220	238	256	256	280	375	399	399	333	280	202	227	
21	106	005	-043	-025	035	112	112	154	184	196	184	148	184	262	298	292	303	232	184	172	160	172	172	172	157	
22 Q	172	166	154	142	130	124	136	148	166	178	184	190	202	208	196	178	172	166	160	154	154	166	190	178	167	
23 Q	172	160	160	160	160	160	160	166	166	172	184	190	214	214	202	202	184	178	160	154	160	154	166	166	173	
24 Q	166	160	160	160	166	172	166	172	172	178	184	184	202	220	220	208	184	166	148	142	142	172	166	166	174	
25	172	170	169	167	164	164	170	171	175	184	187	192	227	250	247	230	273	213	240	267	219	193	170	197	200	
26	184	166	154	160	154	148	154	172	178	178	178	196	202	202	256	292	292	220	226	256	232	184	148	136	194	
27	118	142	148	130	065	077	148	160	184	190	202	226	202	220	220	256	220	262	303	214	220	226	196	178	188	
28	172	166	154	154	118	106	071	166	172	172	178	190	226	238	244	226	208	184	202	244	256	220	154	118	181	
29	184	184	166	160	154	160	166	178	166	172	166	184	214	202	208	202	190	184	124	306	278	223	107	070	181	
30 D	220	-019	-007	-013	-097	023	112	148	124	166	130	178	238	220	214	226	220	220	184	154	166	154	172	184	138	
31 D	178	142	130	118	101	065	065	101	172	196	184	196	160	208	244	262	303	447	542	495	268	214	196	142	214	
Mean	150	132	110	114	113	121	134	156	166	176	185	195	208	225	239	233	232	220	213	221	213	199	181	164	179	

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

Table 6 Baker Lake

60,000  $\gamma$  +

August 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	116	221	237	221	237	291	412	343	330	334	313	321	395	399	390	330	308	282	269	243	291	287	243	252	294	
2	157	183	222	222	243	274	308	313	334	351	339	313	390	421	326	264	248	256	213	045	050	131	135	140	244	
3 D	166	179	265	295	300	300	295	291	343	382	334	339	326	330	300	304	243	369	261	231	140	174	127	131	268	
4	196	140	157	205	261	278	300	339	330	334	256	321	347	343	347	308	300	265	274	287	295	291	282	274	280	
5	274	278	278	282	295	300	308	308	300	308	304	313	339	334	317	300	248	205	183	135	101	127	157	166	257	
6 D	075	131	183	226	300	351	369	390	421	442	503	477	524	576	529	518	321	183	114	144	170	248	226	248	319	
7	179	131	200	252	317	321	317	313	347	395	373	421	434	447	447	438	269	231	222	144	183	144	148	213	287	
8	256	274	274	261	278	295	326	390	343	339	356	347	321	313	330	321	310	286	286	302	310	310	286	205	305	
9	187	205	400	243	278	295	313	373	343	326	339	339	326	326	300	282	269	347	330	321	334	252	209	-050	291	
10	127	187	248	278	269	300	330	330	313	291	317	360	403	399	343	377	447	421	498	434	377	364	291	269	332	
11 Q	278	274	274	278	291	304	291	291	304	304	308	317	321	321	317	317	278	274	274	269	274	287	243	213	288	
12	252	231	269	321	304	317	339	317	300	295	321	317	321	343	377	395	209	222	174	179	192	243	235	243	280	
13 D	269	256	239	324	438	434	382	472	416	386	403	434	593	550	351	295	205	269	265	287	291	265	274	269	348	
14	295	295	282	295	295	304	313	304	317	347	303	326	399	442	477	334	261	252	265	200	144	101	144	209	288	
15	166	174	222	256	287	295	300	308	360	382	339	321	321	343	317	287	278	269	261	248	140	141	123	140	262	
16	148	166	235	256	252	282	291	300	304	304	313	321	330	317	295	279	252	265	282	308	317	274	269	248	275	
17 Q	239	256	245	293	293	291	295	304	304	313	308	304	324	324	313	287	256	256	269	274	278	287	300	243	285	
18	235	261	265	269	282	287	291	295	291	295	313	313	377	477	408	386	395	343	398	380	320	256	317	187	318	
19	170	226	308	287	330	408	347	390	377	399	369	369	373	399	421	326	300	304	326	313	343	334	313	291	334	
20	252	278	300	313	304	313	326	330	313	369	360	403	382	442	641	559	498	451	403	326	118	110	088	092	332	
21	127	218	291	377	351	373	395	351	339	334	442	503	537	451	442	412	326	308	252	243	252	239	256	261	337	
22 Q	282	287	291	282	287	308	308	313	321	330	339	347	339	313	291	287	287	274	269	278	282	287	252	256	296	
23 Q	261	274	287	291	291	291	287	287	291	300	295	308	304	295	291	274	261	261	265	278	274	274	269	274	283	
24 Q	282	278	287	282	287	287	287	287	295	295	300	317	347	334	291	261	265	265	274	278	282	261	278	282	288	
25	261	261	269	269	269	261	261	269	277	277	286	293	310	310	293	253	237	237	205	165	108	157	205	173	246	
26	261	282	278	282	282	282	287	291	287	287	300	308	321	421	399	360	219	153	157	196	183	153	114	131	260	
27	157	218	256	274	278	304	295	295	321	313	334	334	351	373	390	360	278	261	148	239	114	127	196	144	258	
28	239	265	282	269	291	304	351	321	321	313	330	317	321	308	334	317	269	282	265	209	135	127	123	135	268	
29	183	252	274	287	278	278	287	295	287	291	308	326	364	386	334	317	252	261	291	269	342	213	294	084	281	
30 D	062	110	183	183	235	265	282	308	360	503	429	429	351	351	317	287	286	318	253	265	269	278	265	248	285	
31 D	205	205	235	265	304	403	408	386	351	347	326	343	403	533	650	511	511	395	300	200	278	170	127	127	333	
Mean	205	226	259	272	290	309	319	326	327	338	337	348	371	384	373	337	293	283	266	248	231	224	219	200	291	

NORTH COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Times

Table 7 Baker Lake

3,500  $\gamma$  +

September 1957

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	318	354	387	443	404	438	464	438	413	404	400	434	404	443	409	298	277	332	354	400	413	426	464	460	399	
2	387	354	328	281	421	178	383	532	358	307	311	298	426	328	281	197	-342	-358	-375	-269	-166	-092	053	088	163	
3 D	130	230	303	311	358	371	404	426	443	400	460	502	591	231	379	362	-397	-388	099	375	349	290	218	281	280	
4 D	315	349	362	362	281	307	328	315	341	349	358	349	358	379	667	337	337	252	-332	-058	137	371	110	078	277	
5	222	417	286	358	523	472	396	387	358	345	349	341	345	362	290	226	218	218	286	222	337	188	146	354	319	
6	375	362	349	192	328	387	379	387	383	375	375	392	167	-024	078	-011	-079	-104	171	366	392	392	358	371	265	
7	383	387	341	354	362	313	352	358	353	339	339	367	367	320	264	288	322	326	350	372	372	367	389	375	348	
8 Q	354	349	349	345	349	349	358	362	354	358	354	349	358	332	294	294	286	311	337	375	371	400	358	375	347	
9	366	383	349	345	371	383	434	413	409	392	396	383	417	409	239	167	222	281	341	392	413	400	383	375	361	
10	366	358	371	354	362	371	379	400	387	383	362	337	298	298	290	294	286	307	362	379	413	413	417	404	358	
11 Q	383	371	366	362	366	366	383	400	387	379	366	349	354	324	303	218	235	286	345	409	443	472	455	400	363	
12	387	362	362	358	358	366	362	371	387	387	371	362	337	269	239	273	294	349	379	392	409	438	540	464	367	
13 D	472	239	180	417	303	485	561	515	583	570	464	375	400	460	426	502	608	578	439	371	294	273	281	290	420	
14	320	324	320	315	332	328	341	366	222	337	455	430	460	460	298	-045	120	294	315	362	307	294	307	332	316	
15	328	345	345	358	396	362	358	358	354	345	349	315	303	324	332	303	286	366	553	447	553	502	375	332	370	
16	303	298	337	320	290	341	341	366	366	362	362	362	332	320	277	294	332	362	379	404	434	430	400	349	349	
17	362	371	345	315	358	362	358	366	375	375	392	400	451	472	464	443	485	324	337	371	396	417	392	387	388	
18	366	362	358	337	341	349	358	354	358	354	349	349	379	354	315	281	277	294	303	366	421	396	392	354	349	
19 Q	366	366	371	349	354	362	366	383	371	379	371	375	332	298	248	256	311	332	375	375	400	383	371	400	354	
20 Q	379	354	362	366	375	366	375	375	379	375	345	354	341	324	303	281	248	311	379	392	396	443	404	383	359	
21	354	362	362	354	371	366	383	392	383	387	375	455	489	561	705	515	311	192	197	252	460	544	455	286	396	
22	324	294	311	321	375	379	400	404	409	383	383	366	315	204	315	337	339	-477	413	504	438	298	133	164	306	
23 D	175	273	273	328	392	493	481	409	477	472	485	443	481	493	256	324	358	345	383	290	290	239	269	286	363	
24	303	281	281	298	349	298	371	286	375	354	396	404	409	400	409	451	400	409	451	515	417	413	430	392	379	
25	332	298	311	332	366	371	392	387	311	387	375	387	438	379	294	197	218	243	307	358	383	413	417	371	344	
26	366	345	349	349	362	387	387	383	375	354	362	383	413	426	409	417	455	307	320	379	409	417	400	387	381	
27 Q	358	345	341	341	341	345	354	354	358	362	354	358	349	345	349	409	430	307	337	419	430	426	379	366	365	
28	341	358	354	337	341	354	358	362	371	358	349	349	324	324	290	294	311	315	337	337	362	379	371	366	343	
29 D	392	362	320	315	392	438	337	379	256	298	286	269	226	438	421	311	303	197	243	256	260	222	159	218	304	
30	286	315	311	243	273	311	341	337	383	383	324	387	375	337	396	345	426	434	332	341	337	265	277	337	337	
31																										
Mean	337	339	333	335	361	367	383	385	376	375	374	374	376	354	343	295	261	231	290	335	361	361	338	336	342	

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 8 Baker Lake

September 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	122	035	-049	-001	101	112	160	208	202	178	202	190	202	226	232	214	184	172	178	220	214	208	214	226	165	
2	166	101	-007	-037	-061	-210	029	148	130	178	202	232	202	256	250	423	501	226	095	166	202	232	077	-055	144	
3 D	-120	-043	-120	-091	041	130	130	142	184	172	208	184	286	309	387	518	495	417	178	160	118	166	130	124	171	
4 D	130	136	136	106	-007	053	124	148	166	154	166	172	178	214	315	626	674	692	435	077	059	256	-102	-114	200	
5	-180	-252	-252	-138	-001	017	089	142	220	172	172	190	196	208	256	238	250	202	262	214	232	196	120	148	113	
6	148	136	071	-079	059	065	077	106	130	124	148	160	148	184	202	333	268	280	220	178	160	196	178	154	152	
7	178	172	142	106	082	114	127	151	168	175	173	179	177	205	223	183	182	167	141	140	138	145	167	169	158	
8 Q	148	148	148	148	148	154	160	166	166	172	178	178	190	184	202	172	166	166	154	148	154	172	172	160	165	
9	148	136	106	124	112	124	142	118	178	184	178	220	220	238	226	220	184	172	166	202	226	172	154	160	171	
10	154	148	148	154	148	142	148	130	178	184	190	190	190	190	178	166	190	196	112	160	220	190	166	148	167	
11 Q	142	148	154	148	148	154	160	154	184	178	184	202	202	202	186	196	190	172	202	238	238	220	202	178	183	
12	154	142	130	142	148	148	148	160	166	172	202	214	220	220	208	184	184	166	178	190	184	190	262	202	180	
13 D	172	-091	-108	-865	-258	-079	-138	-025	250	172	286	309	375	333	333	238	303	244	160	154	160	208	172	148	123	
14	136	124	101	136	154	142	136	154	041	077	178	214	232	298	226	232	190	154	160	172	208	190	166	142	165	
15	130	089	106	089	101	106	130	148	154	178	166	178	202	196	196	214	178	214	315	381	375	292	178	130	185	
16	065	077	082	059	017	095	130	154	166	172	172	178	184	214	208	202	190	184	196	208	196	202	190	184	155	
17	166	160	136	130	136	154	154	160	178	196	196	214	184	214	274	274	292	262	178	202	202	178	160	160	190	
18	160	148	101	089	082	112	166	172	172	172	178	184	172	220	208	196	202	232	220	148	244	196	178	154	171	
19 Q	154	148	160	148	142	148	154	166	172	178	178	190	208	220	196	172	178	166	172	184	172	184	172	160	171	
20 Q	160	160	166	166	166	160	154	160	178	184	184	196	196	190	196	190	214	154	202	172	184	202	202	166	179	
21	160	154	154	148	148	148	148	166	178	226	303	405	339	363	298	417	399	435	387	351	423	268	220	053	262	
22	095	053	023	017	-013	-001	-007	035	095	112	148	172	178	202	029	351	351	276	202	363	429	351	232	142	160	
23 D	-108	-091	-126	-252	-192	-007	-001	065	130	154	208	322	339	471	512	375	363	363	363	256	190	208	154	106	158	
24	095	053	065	082	082	-025	071	041	112	226	190	250	280	369	268	208	232	232	244	268	268	190	220	160	174	
25	118	035	071	071	071	077	112	160	124	160	190	244	226	250	232	178	166	136	154	148	160	184	196	178	152	
26	160	148	148	142	118	095	136	160	178	220	208	190	214	262	303	303	256	178	160	166	184	178	172	166	185	
27 Q	160	154	148	148	148	154	160	166	160	172	178	184	190	196	202	244	250	184	208	238	208	202	160	166	182	
28	160	166	148	118	041	147	101	124	166	184	184	184	184	196	208	196	178	178	238	232	196	148	166	160	167	
29 D	154	124	065	082	082	005	-061	035	047	106	184	232	274	333	471	602	357	423	524	381	339	106	-019	-019	201	
30	095	106	089	041	071	071	124	154	142	244	220	244	256	232	256	250	268	256	220	208	172	154	095	118	170	
31																										
Mean	114	091	071	054	067	081	106	132	157	173	192	213	221	246	250	278	268	244	221	210	215	197	156	130	170	

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

Table 9 Baker Lake

60,000  $\gamma$  +

September 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	207	179	287	354	277	344	370	370	390	359	339	328	354	375	421	370	298	256	256	246	256	241	205	082	298	
2	110	167	336	360	473	553	618	457	473	376	370	352	497	585	722	1157	1060	714	279	440	376	304	304	239	472	
3 D	205	174	246	277	241	272	318	359	318	400	472	627	570	900	800	790	025	025	164	205	164	143	164	185	333	
4 D	221	277	277	292	395	395	354	349	318	334	344	349	349	436	657	765	781	719	729	046	082	-103	077	195	360	
5	282	380	411	426	483	472	431	426	549	406	370	380	375	406	421	380	447	323	292	113	154	175	175	215	354	
6	267	292	308	406	364	457	400	380	370	421	472	524	709	850	806	781	699	488	406	210	292	231	226	262	442	
7	308	308	334	313	339	386	344	336	344	336	352	352	368	336	352	368	360	320	320	336	328	295	279	287	333	
8 Q	303	318	334	334	339	339	339	334	328	334	334	334	344	375	375	375	349	308	298	318	308	251	169	277	322	
9	287	287	292	308	318	339	447	447	395	385	390	390	416	457	498	364	298	241	272	251	226	282	287	287	340	
10	308	308	303	313	318	323	327	354	375	406	375	359	349	334	323	318	287	298	287	272	179	256	241	241	311	
11 Q	262	267	292	298	313	303	313	385	364	349	339	328	354	334	334	370	328	292	308	292	210	205	185	231	302	
12	236	251	262	282	292	303	308	313	308	323	354	395	411	431	411	370	287	292	328	354	328	287	082	-011	300	
13 D	031	035	231	400	421	267	328	637	627	900	647	498	447	390	560	596	359	503	570	544	452	349	262	256	427	
14	282	318	318	349	358	353	358	389	728	831	610	517	749	646	785	666	322	317	296	281	204	271	240	178	432	
15	229	281	312	337	415	399	384	373	384	368	353	425	409	379	404	348	399	476	497	276	178	101	116	168	334	
16	229	281	312	353	399	379	389	368	363	358	353	363	384	404	379	389	420	440	399	358	348	301	286	271	355	
17	312	322	307	322	322	337	348	353	379	404	415	497	589	445	574	522	404	558	427	348	296	281	276	291	308	
18	312	317	312	322	343	332	332	343	343	352	347	363	394	368	409	394	312	286	286	307	260	281	183	260	323	
19 Q	296	327	322	332	337	327	327	332	337	337	347	353	389	415	358	327	312	312	322	322	312	317	322	312	333	
20 Q	260	307	317	317	322	317	317	327	348	337	353	343	363	368	363	343	343	337	358	363	312	245	209	291	323	
21	236	312	317	322	332	337	353	348	358	373	507	641	440	409	425	445	497	517	430	204	281	-079	209	168	352	
22	240	291	338	379	420	415	440	477	440	461	487	517	687	1001	1345	1201	1047	500	355	430	204	189	250	209	513	
23 D	230	260	338	502	600	636	605	579	559	600	625	826	713	749	1042	631	415	276	199	266	286	230	199	291	486	
24	353	348	363	379	374	615	625	502	456	456	502	502	481	548	656	589	600	589	553	498	368	327	291	307	470	
25	317	389	374	404	487	528	466	584	656	523	497	595	636	548	569	456	425	425	394	399	384	327	332	363	462	
26	353	358	363	363	394	517	466	430	415	420	440	461	512	523	523	476	523	461	410	384	368	374	363	358	427	
27 Q	358	353	358	358	358	368	363	368	363	374	368	374	379	399	507	533	461	456	404	374	353	327	353	353	386	
28	353	348	332	348	384	399	410	404	379	374	368	368	379	374	368	348	338	332	266	194	255	302	312	338	345	
29 D	327	317	271	317	312	410	615	513	394	410	430	384	481	528	415	487	476	399	147	075	-074	-068	189	255	334	
30	343	389	410	420	425	487	451	420	430	543	589	533	476	487	461	420	394	435	461	343	312	214	214	265	410	
31																										
Mean	269	292	320	349	371	396	405	408	417	428	426	442	467	493	542	518	459	400	366	301	267	229	234	247	377	



**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 10 Baker Lake

3,500  $\gamma$  +

October 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	341	341	328	349	387	383	375	366	358	349	345	345	337	307	256	231	307	294	159	091	171	163	294	354	301	
2	358	362	311	298	354	358	371	366	366	371	349	349	354	349	320	332	345	341	345	345	387	315	273	273	341	
3	358	383	362	354	345	358	366	366	354	366	366	328	290	243	095	061	044	464	218	387	387	324	286	324	310	
4	341	337	345	349	354	362	358	354	358	358	362	354	354	290	231	197	277	248	091	167	315	358	358	315	310	
5	320	328	345	354	345	294	354	362	366	341	332	341	332	315	311	269	222	222	328	366	392	396	413	392	335	
6 Q	341	366	375	375	366	362	366	371	358	349	345	345	341	341	332	332	332	337	328	337	341	358	362	362	351	
7 Q	362	362	366	362	362	366	362	337	366	358	345	349	345	328	290	294	307	328	341	362	400	413	404	379	354	
8 Q	341	349	358	358	362	358	358	358	362	358	358	349	345	337	324	303	304	311	328	354	366	375	371	366	348	
9	366	375	366	354	375	375	375	383	383	371	358	344	358	354	426	421	472	485	510	527	396	396	379	337	395	
10	307	307	328	341	345	379	396	409	396	375	362	349	371	409	404	443	426	332	311	413	421	421	421	383	377	
11 D	349	320	320	345	341	383	409	396	379	371	375	354	358	404	404	383	451	515	477	527	447	421	383	375	395	
12	354	328	324	337	358	387	387	392	400	379	383	371	379	358	409	451	421	362	404	400	354	324	315	320	371	
13 D	311	315	320	354	362	383	400	383	375	366	371	358	371	409	392	358	294	349	320	400	354	265	281	311	350	
14 D	320	332	358	366	409	434	443	421	387	387	362	349	404	472	477	443	404	464	468	371	188	260	290	269	378	
15	298	341	341	341	354	375	362	358	358	354	358	345	345	354	290	231	205	201	231	201	222	256	294	345	307	
16 Q	333	366	354	349	349	349	354	349	354	349	349	349	349	337	286	286	286	303	320	337	354	366	358	358	341	
17	366	362	358	362	362	366	358	362	362	366	358	328	345	315	324	311	315	315	337	349	366	375	358	349	349	
18 Q	366	371	358	358	358	354	362	371	371	375	375	358	354	351	328	315	324	341	320	366	387	383	383	358	358	
19	358	366	354	358	362	362	387	392	371	383	354	341	349	345	309	286	328	345	362	379	243	281	341	362	346	
20	361	361	362	347	362	379	368	373	378	372	372	348	348	325	297	245	194	210	278	213	264	299	277	284	317	
21 D	337	345	337	349	358	366	366	371	354	354	362	354	324	269	277	125	159	201	281	303	120	180	175	137	284	
22	309	332	307	328	349	375	371	371	396	371	337	320	332	349	328	345	176	294	307	341	324	265	273	341	327	
23	303	256	349	341	345	362	375	366	366	375	354	362	337	320	303	265	273	324	345	349	265	235	303	328	325	
24	354	366	362	354	349	358	366	362	358	358	366	345	315	303	281	265	311	294	303	298	354	371	400	383	341	
25	371	324	332	383	379	362	354	354	358	371	354	345	345	311	303	298	303	294	345	379	362	387	400	345	348	
26	324	341	366	362	354	349	354	341	358	358	354	341	354	315	298	311	303	332	332	345	371	379	371	371	345	
27	371	366	362	358	366	371	375	375	371	371	371	375	320	286	286	231	290	298	324	345	341	290	315	379	339	
28	371	349	328	379	375	375	400	371	387	375	354	345	358	345	328	294	303	298	341	358	366	345	375	371	354	
29	387	362	328	349	354	358	358	379	383	354	375	366	366	324	303	294	286	307	320	328	311	307	303	311	338	
30	349	349	366	366	371	371	392	379	294	371	362	349	354	349	303	332	324	320	324	362	383	404	387	379	356	
31	379	379	371	362	362	358	366	371	375	366	349	379	311	273	273	256	286	290	324	349	371	371	371	366	344	
Mean	347	347	346	353	360	367	374	371	368	365	359	351	346	336	316	297	299	323	323	343	332	331	340	340	343	

EAST COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Baker Lake

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	124	112	059	082	112	136	154	172	166	184	178	172	172	184	232	214	196	213	298	214	202	089	118	136	163
2	136	101	065	077	148	154	154	172	184	178	184	184	184	190	196	196	184	172	166	172	202	178	124	124	159
3	166	172	160	160	142	148	160	160	154	172	178	202	196	184	274	262	202	363	166	268	202	166	118	124	187
4	095	106	154	124	112	130	142	154	172	190	184	184	184	202	232	244	238	280	208	154	184	166	130	106	170
5	101	118	136	136	118	071	136	160	178	172	176	190	184	190	208	208	214	226	184	226	208	190	148	136	167
6 Q	136	160	154	155	160	148	142	154	160	172	178	184	172	178	184	184	178	172	160	160	160	160	160	148	163
7 Q	148	154	160	160	160	154	148	172	166	172	196	178	184	190	208	196	190	172	178	172	202	160	160	148	172
8 Q	130	154	160	160	166	166	166	166	172	178	178	178	184	196	202	202	190	184	166	166	166	172	160	154	171
9	154	154	148	142	148	154	154	154	172	184	184	184	184	184	202	226	268	292	333	298	178	178	154	124	190
10	112	112	130	095	071	082	112	142	172	214	196	196	190	232	268	262	232	172	196	262	280	220	196	154	179
11 D	124	106	065	053	082	130	148	142	172	202	220	244	268	303	280	280	286	280	292	315	238	190	166	160	198
12	166	148	106	124	136	130	142	172	196	232	202	208	208	214	214	268	298	333	303	274	226	178	154	112	198
13 D	082	059	041	077	106	047	101	160	172	178	178	190	178	196	238	268	250	250	184	226	226	160	148	112	159
14 D	082	089	071	077	077	011	059	166	190	250	280	196	190	208	280	351	357	286	303	262	136	166	124	089	179
15	101	106	136	142	130	106	136	160	166	172	178	196	220	226	256	256	226	226	244	202	142	124	130	160	173
16 Q	184	172	172	166	166	160	154	148	160	172	172	178	178	190	202	202	214	178	160	148	166	166	154	154	171
17	148	154	148	154	160	160	160	166	172	172	178	202	190	190	202	184	184	160	160	148	160	154	148	148	167
18 Q	154	148	160	160	148	154	160	172	178	166	178	178	178	184	190	202	190	196	214	208	172	178	172	166	175
19	160	160	160	166	160	166	142	124	160	172	190	208	190	190	196	214	178	202	208	244	142	142	166	160	175
20	181	174	148	151	159	152	156	174	185	200	205	216	209	228	233	240	247	279	260	216	202	196	168	163	198
21 D	142	172	148	148	160	166	166	178	178	196	190	172	190	208	196	268	208	178	148	220	214	226	220	232	188
22	095	118	112	166	166	154	148	190	166	184	232	226	202	202	196	220	238	214	220	190	262	124	160	148	181
23	071	095	148	148	160	136	136	130	142	154	202	178	178	184	184	190	202	190	166	220	202	196	154	136	160
24	166	166	136	148	160	160	160	160	166	190	184	178	196	196	202	190	166	184	232	208	160	154	160	172	175
25	154	136	142	172	166	160	154	166	172	178	208	196	190	196	208	196	190	190	190	220	166	154	178	142	176
26	148	130	154	160	148	124	142	154	166	184	190	208	190	196	202	196	202	184	190	160	172	178	160	160	171
27	160	154	166	166	154	154	172	172	172	178	178	190	220	220	214	268	208	178	172	166	202	136	148	154	179
28	142	089	136	172	166	154	160	160	172	178	184	190	196	196	202	214	196	292	214	166	166	172	166	172	177
29	166	112	124	142	160	166	166	172	190	214	196	184	190	190	202	202	202	214	202	196	190	142	112	118	173
30	148	148	130	095	130	154	160	160	136	172	178	190	196	184	196	202	202	196	214	220	178	166	166	172	171
31	166	160	154	148	160	154	160	160	172	172	184	184	214	220	196	190	190	184	154	172	184	154	160	166	173
Mean	137	134	132	136	142	137	147	161	170	185	192	192	194	202	216	226	217	220	209	209	190	164	154	147	175

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

Table 12 Baker Lake

60,000  $\gamma$  +

October 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	309	330	356	371	403	413	403	371	387	392	377	371	403	480	475	418	429	423	309	351	377	287	237	262	373
2	320	309	335	371	330	345	351	366	377	377	382	392	387	387	387	454	439	361	335	314	257	200	273	252	346
3	190	278	330	330	340	335	335	330	361	356	371	403	543	594	527	614	512	330	242	262	283	205	242	231	359
4	247	294	320	340	366	371	403	377	377	366	377	371	377	397	434	392	501	429	449	340	216	247	257	268	355
5	262	299	320	340	387	496	387	377	413	449	418	408	387	371	361	429	387	382	325	216	200	294	314	273	354
6 Q	304	314	340	345	345	345	366	397	392	377	382	382	382	371	366	351	356	366	366	361	366	356	356	356	360
7 Q	356	356	351	346	346	351	366	361	361	366	382	377	366	372	372	346	330	330	340	340	294	299	273	309	345
8 Q	320	330	335	351	346	351	351	351	351	351	356	361	361	361	361	351	340	340	325	325	330	325	340	346	344
9	351	346	335	335	335	351	356	361	382	366	372	366	372	392	449	491	470	478	320	237	346	289	242	304	358
10	315	330	330	351	418	444	413	424	424	429	434	413	413	403	382	382	455	429	413	361	169	174	226	273	367
11 D	315	335	366	315	398	418	455	491	434	449	460	455	460	496	444	434	398	320	278	340	320	263	257	299	383
12	330	340	346	392	398	439	418	418	439	460	548	444	439	475	460	460	424	382	330	283	252	278	226	216	378
13 D	289	320	335	341	346	393	429	393	377	377	367	377	377	419	450	476	429	419	398	367	268	284	268	268	365
14 D	310	330	335	351	372	533	543	450	403	429	528	486	444	408	481	413	367	346	278	237	382	335	278	294	389
15	289	289	330	351	356	398	393	382	377	382	382	387	424	512	553	517	486	434	377	346	320	299	284	284	381
16 Q	315	356	367	361	367	361	367	377	377	377	367	367	377	387	387	377	346	351	346	341	341	346	341	346	360
17	341	346	335	346	346	351	356	356	356	351	356	372	377	372	372	377	356	351	341	335	325	330	330	330	350
18 Q	341	320	335	341	335	341	341	351	346	341	351	351	356	361	361	346	330	382	312	278	335	335	325	346	340
19	341	330	336	330	336	336	346	434	382	367	372	367	372	367	393	377	341	336	336	294	263	330	299	325	346
20	348	348	364	372	372	404	404	404	396	396	412	412	420	444	453	420	412	444	396	348	308	291	283	275	380
21 D	268	315	346	346	346	346	351	346	351	362	356	372	382	450	377	497	299	320	315	211	133	190	237	242	323
22	268	263	263	367	356	388	377	336	341	356	429	398	408	398	434	486	393	362	346	351	330	227	294	263	351
23	273	247	284	325	336	351	398	392	419	424	429	398	414	403	424	408	388	362	362	299	227	232	289	263	344
24	315	330	330	336	351	346	356	356	372	393	382	393	414	445	424	377	377	388	377	310	330	346	315	325	362
25	325	310	279	300	331	336	351	351	351	362	409	403	398	398	372	383	357	357	336	294	315	315	258	263	340
26	284	268	274	294	320	346	362	351	372	377	383	377	388	434	403	362	351	346	336	357	310	274	320	336	343
27	320	315	325	331	341	346	357	367	372	351	357	377	419	497	424	481	357	341	336	336	258	289	320	331	356
28	315	336	305	315	331	346	372	481	424	393	372	372	367	357	367	362	351	357	305	346	279	284	320	336	350
29	336	341	346	331	341	351	351	346	393	398	383	367	383	398	403	388	341	331	305	274	279	258	310	258	342
30	279	315	336	372	351	346	377	559	621	409	388	393	383	398	424	367	357	351	341	310	300	305	315	341	372
31	341	341	346	341	346	346	351	357	372	362	367	393	409	518	429	377	367	351	357	341	315	331	325	331	363
Mean	307	319	327	343	355	375	381	388	391	386	395	391	400	421	418	420	389	369	340	313	292	285	289	295	358

NORTH COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Times

Table 13 Baker Lake

3,500  $\gamma$  +

November 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	364	362	370	354	313	349	356	362	360	362	347	354	341	337	317	286	269	273	312	328	373	371	373	387	342	
2	368	385	373	362	364	368	379	360	366	347	354	360	351	334	326	318	318	318	334	360	373	385	341	294	352	
3	328	320	328	351	360	368	389	398	396	389	336	385	315	336	298	298	277	265	256	375	396	391	379	366	346	
4 Q	358	358	356	358	358	362	368	364	362	368	356	349	347	345	331	309	294	322	360	381	345	320	334	366	349	
5 Q	371	371	358	362	356	358	364	371	368	358	394	377	362	358	328	324	328	368	366	375	387	375	375	383	364	
6	366	383	390	385	387	370	371	375	387	377	349	362	373	354	351	332	368	347	332	324	268	237	256	311	348	
7	273	294	307	320	347	362	362	358	358	337	343	345	324	341	303	343	356	358	294	337	364	371	360	360	338	
8	356	349	354	351	351	362	366	375	396	332	362	349	349	303	303	311	334	296	366	396	337	296	315	277	341	
9 D	324	332	334	332	381	360	375	387	387	382	360	343	339	292	307	396	396	400	392	349	320	324	328	301	352	
10	290	330	345	343	343	311	351	392	400	385	330	339	343	349	394	396	343	421	366	498	402	371	354	330	364	
11	341	341	358	379	320	320	358	377	373	347	205	343	351	337	307	294	337	400	396	303	281	296	305	324	333	
12	337	324	341	349	354	354	252	290	379	303	354	385	349	265	343	358	396	358	337	368	354	390	358	328	343	
13	315	354	362	354	349	358	366	381	377	366	349	351	324	324	279	267	392	460	438	347	385	379	341	362	358	
14	349	347	326	358	385	377	379	379	404	362	364	373	366	362	347	349	286	245	235	328	362	332	294	313	343	
15	326	356	351	284	371	371	354	385	385	364	362	371	354	324	343	320	311	309	324	354	347	349	394	358	349	
16	349	345	345	375	366	371	368	371	362	379	366	368	351	345	294	347	311	438	373	373	366	368	377	392	363	
17 Q	396	381	394	383	368	366	334	362	366	362	364	356	351	334	311	303	294	324	345	358	362	368	379	349	355	
18	309	311	347	394	366	383	383	381	392	409	375	347	347	313	269	243	226	256	303	349	375	368	366	351	340	
19	364	351	347	341	337	347	375	371	373	341	354	341	328	337	322	309	318	339	347	363	368	364	351	351	347	
20	345	347	330	326	315	318	347	368	366	371	356	347	332	298	298	332	347	311	354	347	356	366	377	383	343	
21 Q	381	371	364	364	371	373	371	381	373	373	371	360	354	345	337	324	332	351	354	366	398	371	356	351	362	
22 Q	371	381	381	375	366	345	320	345	377	366	364	364	362	354	347	311	254	269	324	371	377	381	383	381	353	
23	379	377	373	373	373	373	377	366	371	368	362	354	354	341	334	324	303	286	313	354	371	373	387	385	357	
24	381	387	385	373	366	371	368	360	364	371	366	354	362	356	311	337	296	301	360	330	343	381	379	381	358	
25 D	381	364	379	354	354	373	385	417	341	379	362	362	356	356	343	311	298	290	256	224	277	292	309	326	337	
26 D	292	322	313	301	375	383	361	373	366	315	328	315	303	205	239	345	267	171	159	222	218	175	273	294	288	
27 D	252	294	366	392	341	351	375	390	383	377	294	245	341	343	284	258	241	195	091	146	175	237	260	303	289	
28 D	330	330	260	309	358	366	364	354	349	351	366	298	315	292	188	214	120	180	197	190	241	277	298	303	285	
29	330	334	347	371	358	364	349	360	362	315	154	199	341	303	303	180	120	231	286	326	339	345	362	364	306	
30	390	375	349	343	358	375	379	351	368	377	375	371	354	351	354	351	347	347	343	343	354	358	358	371	360	
31																										
Mean	344	348	351	354	357	360	362	370	374	361	344	346	345	328	314	313	303	314	325	336	340	340	344	345	342	

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 14 Baker Lake

November 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1	163	157	157	133	113	113	148	172	172	184	193	193	184	187	211	205	208	184	172	190	178	169	172	172	172	172	
2	163	154	163	151	148	148	166	145	166	169	187	193	187	190	187	178	175	172	187	163	169	166	136	124	166	166	
3	127	116	154	166	166	163	151	184	208	211	214	232	279	253	205	181	217	217	145	166	172	178	172	166	185	185	
4 Q	163	160	154	166	163	163	172	172	175	172	178	178	178	184	187	193	202	211	211	223	196	154	160	175	179	179	
5 Q	175	175	166	160	154	160	169	166	166	172	172	175	181	184	187	187	190	196	205	211	184	175	175	172	177	177	
6	166	187	193	187	181	175	166	172	169	169	190	190	190	196	199	205	217	214	235	291	178	113	107	083	182	182	
7	050	008	059	124	154	163	163	181	184	190	181	172	131	208	270	270	208	223	184	169	157	169	169	163	167	167	
8	163	163	169	163	154	133	133	145	187	241	229	253	247	217	247	202	172	187	196	196	181	151	136	098	182	182	
9 D	133	104	121	095	086	059	127	190	217	184	187	196	235	279	288	267	193	193	259	226	169	157	142	113	176	176	
10	110	142	148	142	148	017	-019	113	181	217	184	244	223	217	235	226	265	175	238	223	202	190	160	148	172	172	
11	142	151	104	104	056	083	136	181	202	244	160	190	226	241	232	217	208	214	232	190	(166)	130	115	139	169	169	
12	107	113	133	148	139	121	113	127	154	202	196	232	253	276	267	265	259	190	196	175	160	163	145	130	178	178	
13	133	172	160	157	160	157	148	160	166	184	196	202	217	217	187	172	241	244	178	145	187	163	169	160	178	178	
14	154	121	113	142	148	166	151	181	184	196	196	184	196	199	196	244	196	226	166	163	187	142	136	136	172	172	
15	133	133	089	038	124	145	154	190	184	190	202	190	193	193	190	223	196	238	196	169	175	166	169	154	168	168	
16	145	142	148	172	160	154	163	175	181	175	184	202	205	208	217	190	181	250	184	196	160	160	160	172	179	179	
17 Q	166	178	172	157	145	142	130	163	166	166	172	172	172	181	190	178	175	166	175	166	169	166	160	145	166	166	
18	113	098	098	101	116	139	101	118	157	178	265	315	303	267	259	247	166	196	196	175	163	163	151	154	177	177	
19	166	145	148	154	130	121	148	160	172	175	184	187	190	187	172	172	166	169	169	181	184	169	148	163	165	165	
20	142	136	142	136	113	124	118	166	175	178	199	202	241	229	217	214	202	172	184	166	190	163	175	178	173	173	
21 Q	166	163	157	148	160	163	172	175	181	172	175	175	175	175	175	178	178	169	163	166	178	169	166	154	169	169	
22 Q	166	178	172	172	163	154	121	118	163	175	175	178	181	181	184	217	196	205	163	169	160	163	166	166	170	170	
23	166	166	169	169	166	163	166	169	181	190	193	193	190	193	187	193	196	220	163	175	166	169	169	157	178	178	
24	184	166	172	154	124	142	163	169	181	196	190	193	205	193	202	202	220	214	214	181	178	178	172	172	182	182	
25 D	166	157	116	127	169	166	124	086	154	178	208	199	190	187	193	226	232	235	238	172	142	148	136	124	170	170	
26 D	098	110	113	139	124	121	142	116	184	121	133	145	202	205	270	238	321	321	139	160	118	101	133	089	160	160	
27 D	041	044	-001	-060	053	098	151	172	133	169	241	217	166	178	202	235	244	181	193	187	142	133	127	136	141	141	
28 D	136	139	074	110	169	163	142	-031	110	130	163	184	181	196	193	232	220	232	217	184	163	136	154	130	155	155	
29	142	154	151	175	166	154	166	172	172	172	056	142	184	193	190	244	285	208	154	148	151	169	178	184	171	171	
30	181	157	154	154	163	163	166	148	178	178	178	178	181	184	190	184	184	178	178	163	166	172	169	166	171	171	
31																											
Mean	142	140	136	136	141	138	142	152	173	183	186	197	205	207	211	213	210	207	191	183	170	158	154	147	172	172	

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

Table 15 Baker Lake

60,000  $\gamma$  +

November 1957

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	336	339	336	339	384	368	366	363	363	363	379	377	368	379	411	387	379	347	339	267	286	273	299	329	349	
2	339	326	324	326	341	353	371	432	368	363	353	363	358	366	371	368	358	351	336	339	331	299	283	309	347	
3	299	312	293	329	341	347	368	421	532	447	707	485	515	580	515	409	419	400	379	356	334	345	331	326	408	
4 Q	341	345	345	347	351	358	361	353	356	353	361	358	358	361	361	363	353	353	363	302	254	267	293	314	340	
5 Q	339	345	331	320	334	331	331	336	339	341	326	353	345	347	358	341	329	336	309	312	265	229	249	278	322	
6	283	276	281	283	292	307	315	326	336	353	346	334	346	356	363	454	459	440	356	145	160	178	246	292	314	
7	329	356	340	377	409	393	379	409	409	389	379	382	389	421	505	507	485	374	401	309	329	340	346	342	387	
8	353	353	351	351	361	411	490	507	485	454	437	446	446	427	501	430	389	340	353	353	276	299	315	292	392	
9 D	262	313	326	342	377	472	437	421	437	411	379	389	427	446	478	336	416	406	331	241	243	268	285	315	365	
10	283	283	340	358	507	512	437	411	517	446	448	512	469	485	421	416	448	440	368	353	309	256	268	283	399	
11	307	329	374	421	485	421	395	395	435	580	665	538	495	437	495	575	525	437	379	329	324	315	299	321	428	
12	316	310	304	331	358	394	432	411	406	553	565	517	464	528	543	437	331	414	432	369	348	310	302	324	404	
13	316	321	348	351	356	363	369	420	425	416	416	414	432	467	452	475	369	377	399	321	321	281	310	381		
14	310	324	321	310	316	331	348	353	348	361	363	348	369	356	356	411	361	369	302	278	239	261	316	316	332	
15	308	321	351	437	353	358	358	404	382	382	372	374	374	369	369	384	337	324	299	299	241	249	287	273	342	
16	294	289	273	278	316	331	343	346	301	348	377	363	382	401	441	369	353	401	358	297	321	331	316	302	340	
17 Q	292	310	316	324	337	348	351	331	343	348	346	353	353	379	394	348	331	331	331	343	346	341	329	294	338	
18	321	326	353	384	361	367	411	441	500	420	459	618	585	496	488	585	462	372	319	326	337	335	346	331	414	
19	346	336	348	348	348	374	369	369	412	385	383	372	374	372	365	365	343	346	332	305	299	294	297	321	350	
20	321	326	316	311	299	305	377	374	348	359	372	374	444	452	480	444	406	361	346	311	254	254	302	316	352	
21 Q	324	332	341	348	343	343	346	365	372	353	348	351	353	353	343	332	324	326	338	341	302	311	294	289	336	
22 Q	297	326	332	334	326	338	353	326	321	343	338	343	348	343	348	422	369	329	321	332	332	332	332	329	338	
23	332	323	329	332	329	332	332	341	351	365	369	361	348	365	346	346	343	326	316	316	324	316	299	268	334	
24	285	258	285	304	324	329	332	365	348	321	343	351	356	353	367	353	343	311	289	219	241	263	254	279	311	
25 D	287	294	319	338	289	306	343	608	587	444	377	364	354	354	369	420	364	354	289	372	263	306	311	306	359	
26 D	314	302	333	324	343	354	256	360	433	523	439	439	442	460	513	364	422	367	422	348	220	247	316	297	368	
27 D	324	333	389	470	413	396	427	452	528	502	507	697	454	413	454	466	442	401	364	321	311	343	333	309	419	
28 D	306	321	346	329	327	338	360	523	427	550	492	483	539	486	692	613	539	447	422	343	354	336	329	341	427	
29	343	297	300	327	348	356	362	362	377	475	566	502	407	415	415	497	391	386	341	329	329	333	327	319	379	
30	336	324	333	333	333	338	369	396	329	336	341	356	360	364	354	360	364	351	321	336	333	343	341	319	343	
31																										
Mean	315	318	329	343	353	369	370	399	405	409	418	417	408	410	429	418	395	370	348	316	294	296	304	308	364	

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 16 Baker Lake

3,500  $\gamma$  +

December 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	368	345	303	341	350	349	366	396	411	383	368	341	339	313	265	250	343	379	354	360	362	339	301	324	344
2	375	332	330	328	341	345	320	294	381	379	381	311	296	328	298	188	277	440	438	320	358	383	349	356	340
3	362	351	347	328	324	347	383	311	341	354	354	315	301	324	315	339	358	377	303	351	387	400	354	330	344
4	330	330	330	281	350	350	286	239	349	354	360	345	332	305	301	322	330	326	307	339	379	360	328	328	328
5	330	326	328	343	375	349	371	383	402	362	347	354	354	281	332	354	409	364	337	301	277	339	326	288	343
6 D	303	343	326	330	345	218	328	362	379	356	356	243	252	298	358	288	296	332	375	322	377	354	362	349	327
7	330	343	339	339	320	337	364	383	343	332	351	354	315	171	212	248	296	390	409	381	366	360	337	320	331
8	324	351	356	341	332	286	345	334	362	349	358	349	345	328	328	313	339	334	343	377	366	383	364	343	344
9	307	337	339	341	347	390	383	383	375	375	356	334	298	267	301	313	343	337	392	358	315	296	345	385	342
10	379	362	356	277	358	349	349	375	366	341	320	349	337	345	330	305	305	337	318	301	277	279	271	332	330
11 D	354	364	339	368	364	231	366	396	354	379	360	354	349	332	320	294	235	214	159	256	273	205	220	264	306
12 D	320	294	222	339	345	313	309	322	356	345	328	349	337	339	343	322	286	387	209	231	269	294	303	303	311
13	366	356	356	341	294	362	373	349	360	364	103	311	315	358	288	258	123	218	305	328	354	364	362	366	316
14	362	364	351	338	318	332	360	311	322	354	366	354	347	345	332	324	315	328	332	360	362	339	322	337	341
15	373	387	375	368	360	345	277	356	364	328	332	339	332	301	260	161	273	226	298	290	349	358	366	379	325
16	347	334	341	356	351	343	362	290	345	360	358	345	343	337	313	320	315	271	265	341	371	315	345	362	335
17	334	349	326	269	337	356	390	339	290	356	364	371	358	360	343	351	328	337	201	341	358	360	294	286	333
18	347	398	379	301	377	389	361	358	358	368	368	326	337	307	248	273	326	349	337	354	364	375	371	364	347
19	341	358	347	248	360	360	385	385	347	379	366	351	358	341	328	326	256	288	258	178	175	273	320	309	318
20	318	349	360	364	368	379	332	392	375	377	377	373	371	360	364	343	358	334	337	309	248	277	383	345	350
21	375	371	326	258	309	290	371	362	373	349	375	360	373	349	341	307	290	320	318	345	364	358	387	392	344
22 Q	358	365	323	344	346	352	370	379	374	390	391	387	378	376	365	365	358	349	353	365	374	384	384	378	367
23 Q	368	379	379	371	371	373	381	377	377	379	381	356	358	347	332	328	328	356	364	371	375	381	404	410	369
24	400	392	390	387	387	377	379	387	383	375	368	366	366	362	349	345	341	332	358	366	411	394	383	387	374
25	394	396	392	377	368	385	396	407	407	396	387	379	377	358	366	341	328	332	307	222	286	292	315	351	357
26	375	394	394	377	341	290	362	347	392	394	324	339	354	354	307	358	311	243	256	324	381	381	385	383	349
27 Q	377	377	366	341	360	375	366	379	379	375	375	373	366	362	341	358	339	326	330	328	343	379	362	358	360
28 Q	396	400	396	379	375	377	385	377	366	383	385	379	375	368	368	362	349	343	351	362	362	375	387	400	375
29 Q	405	418	410	409	409	401	395	398	410	401	394	389	382	381	380	373	366	361	375	389	381	343	351	358	387
30	383	381	349	394	400	396	385	385	404	434	362	383	354	279	347	366	380	379	379	364	375	349	366	368	373
31 D	358	349	347	341	307	404	413	404	392	411	398	351	349	305	260	265	277	243	228	218	190	220	273	254	319
Mean	357	361	352	339	351	347	358	360	369	370	355	349	343	328	320	312	315	327	319	324	336	339	343	345	343

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 17 Baker Lake

December 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	167	143	104	113	151	146	164	188	206	224	235	227	238	244	256	221	218	200	173	191	191	170	155	170	187	
2	161	125	137	134	146	149	176	042	158	173	197	259	280	262	285	191	241	224	170	134	125	125	128	128	171	
3	128	128	119	107	095	146	092	090	143	140	164	170	185	206	185	200	203	194	158	158	140	143	122	113	147	
4	104	098	075	015	092	119	051	009	137	140	170	170	170	176	152	155	155	134	122	122	140	137	119	110	120	
5	098	081	095	066	048	122	104	110	128	188	161	155	191	230	221	218	235	259	194	170	134	119	104	081	146	
6 D	125	122	134	110	110	039	131	146	188	185	188	250	224	238	241	253	277	221	191	191	191	170	158	155	177	
7	131	146	152	164	155	146	140	128	230	197	212	218	238	221	176	173	176	203	238	218	161	164	158	143	179	
8	155	155	158	140	090	033	119	116	161	200	188	194	182	176	182	182	182	164	194	176	170	179	164	155	159	
9	125	143	143	140	134	170	152	173	194	203	200	221	227	259	235	235	212	200	209	161	182	146	170	170	184	
10	155	161	128	075	158	158	158	158	158	206	191	227	253	250	253	268	271	256	224	200	161	134	125	146	186	
11 D	143	125	116	057	015	-027	075	063	134	176	185	191	194	203	215	194	212	256	227	176	149	128	131	134	145	
12 D	155	125	132	140	149	092	057	143	170	227	241	194	215	200	203	206	253	230	259	176	158	134	122	146	172	
13	173	143	152	134	069	107	176	173	173	200	140	176	197	182	227	235	224	170	194	188	176	164	170	164	171	
14	170	164	143	149	140	134	152	137	155	170	179	179	176	182	182	182	179	185	173	188	176	158	140	161	165	
15	176	167	173	170	185	212	104	137	176	218	212	182	194	203	277	235	176	206	188	191	164	161	164	170	185	
16	146	125	146	161	155	146	143	128	143	179	176	194	185	179	188	188	194	218	247	152	167	149	170	173	169	
17	155	164	107	045	104	140	131	075	110	161	179	179	176	182	191	191	182	194	253	235	194	173	170	152	152	159
18	176	176	125	122	146	158	146	149	152	170	151	209	188	188	197	191	188	197	176	173	170	167	15	167	169	
19	149	158	119	-003	110	122	146	128	119	164	188	191	188	206	212	209	215	173	247	277	188	149	173	170	167	
20	170	146	152	152	128	107	146	152	176	176	197	185	185	197	188	188	176	191	227	179	155	122	164	155	167	
21	167	149	116	167	122	063	084	170	179	194	176	185	176	182	188	194	224	179	188	194	182	170	176	149	166	
22 Q																										
23 Q	173	182	176	179	170	167	167	167	176	188	185	182	188	185	185	185	176	161	164	173	167	173	167	161	175	
24	173	182	185	182	176	161	170	173	170	173	179	191	188	194	185	188	188	191	212	206	182	182	170	167	182	
25	176	182	182	161	164	164	140	197	194	179	179	185	191	197	197	200	191	215	250	158	149	146	143	143	178	
26	167	176	173	131	087	084	122	140	182	206	206	188	218	250	259	250	194	194	218	182	176	164	167	152	179	
27 Q	173	167	158	146	155	173	173	176	176	179	182	182	185	191	197	200	194	197	209	203	176	167	164	152	178	
28 Q	173	176	182	179	170	161	176	179	185	179	179	185	182	182	185	188	194	182	179	203	197	176	173	170	181	
29 Q	170	178	183	178	178	170	170	174	170	178	174	178	183	187	187	183	195	178	170	195	195	170	162	170	178	
30	176	152	134	194	194	170	137	110	176	224	265	286	227	238	197	203	191	179	170	167	167	158	161	155	185	
31 D	146	125	090	012	024	125	134	095	194	227	221	268	230	250	277	250	244	277	227	194	158	125	110	090	171	
Mean	155	149	140	124	127	129	135	134	167	187	190	200	202	208	209	205	206	203	201	183	167	154	152	149	170	



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

Table 18 Baker Laker

60,000  $\gamma$  +

December 1957

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	333	333	346	343	338	328	314	346	381	394	415	425	445	417	545	526	497	465	389	338	306	294	331	331	382	
2	322	331	343	355	367	391	420	470	396	369	449	550	582	473	420	582	528	417	394	343	359	311	328	328	409	
3	341	346	359	355	372	375	490	582	439	404	415	439	470	422	439	422	386	367	375	314	316	304	289	309	389	
4	343	364	408	349	355	377	465	502	434	396	428	465	412	434	386	381	412	386	362	364	343	311	316	328	388	
5	338	346	351	396	478	470	417	449	468	508	497	434	475	461	381	314	289	236	226	269	263	277	316	379		
6 D	263	304	369	412	422	514	355	417	490	555	522	688	767	655	473	502	417	396	351	333	306	301	311	338	436	
7	338	341	355	359	394	394	420	442	572	608	582	497	468	667	528	481	465	475	386	341	364	316	322	322	435	
8	326	333	309	386	452	540	452	458	442	415	410	423	434	429	425	403	403	403	389	376	362	326	333	341	399	
9	320	320	357	384	439	456	442	465	495	535	463	460	450	598	444	412	317	381	359	379	319	331	309	344	407	
10	344	364	367	407	344	354	386	423	523	487	589	548	503	468	456	439	439	373	287	270	282	309	336	296	400	
11 D	293	336	367	497	545	615	509	545	580	518	412	434	407	434	470	415	434	439	359	376	274	323	359	370	430	
12 D	354	344	333	333	354	412	620	529	434	487	538	535	497	447	437	434	450	328	364	284	279	326	352	328	408	
13	274	311	350	370	503	274	333	364	381	450	767	529	503	407	485	473	540	444	373	341	344	364	364	364	413	
14	379	376	371	381	384	368	376	392	376	379	384	392	389	386	392	381	379	371	376	354	333	301	304	315	368	
15	301	333	354	345	362	398	301	455	418	451	501	518	487	477	535	530	471	427	376	306	318	349	354	342	405	
16	345	371	352	339	354	371	398	485	442	432	429	442	451	421	402	400	400	398	323	336	291	267	291	312	377	
17	309	331	333	339	395	368	398	598	482	405	365	381	381	395	395	398	400	410	333	301	306	301	304	274	371	
18	246	294	331	274	259	279	306	359	384	384	398	448	442	451	495	451	354	359	352	352	347	349	277	282	353	
19	296	323	342	455	345	359	357	402	535	513	482	460	381	444	482	432	455	379	376	402	395	309	376	359	402	
20	337	331	342	334	354	397	371	381	374	360	376	387	371	381	379	381	379	384	376	291	291	296	296	301	353	
21	313	347	337	291	354	487	427	393	371	387	381	354	387	371	376	390	407	371	349	296	264	289	321	360	359	
22 Q																										
23 Q	342	316	301	323	334	347	352	369	379	366	363	393	376	376	393	379	363	352	352	344	349	349	360	347	355	
24	352	352	354	357	352	354	352	347	349	371	369	366	395	374	369	369	344	342	323	274	294	289	334	323	346	
25	323	326	342	340	340	354	369	413	374	371	360	376	379	376	366	387	374	360	328	354	289	334	357	349	356	
26	313	342	347	352	419	455	400	385	390	408	583	496	461	448	408	376	395	376	382	286	321	355	355	329	391	
27 Q	339	344	342	347	332	349	361	352	358	361	364	364	371	385	395	379	371	358	361	318	305	349	311	332	352	
28 Q	354	347	339	344	349	344	342	349	349	347	355	364	358	361	361	364	364	364	347	332	291	335	339	329	347	
29 Q	341	338	351	347	351	355	363	367	372	384	380	380	380	388	388	392	388	384	396	392	342	297	290	283	360	
30	286	318	316	299	316	332	366	414	411	438	535	488	424	498	455	392	(376)	360	355	339	334	317	322	339	376	
31 D	336	339	350	403	376	410	422	501	441	506	493	547	493	449	466	422	382	352	339	339	322	344	355	360	406	
Mean	323	337	347	361	378	394	396	432	428	433	454	453	443	444	434	422	407	384	356	330	317	317	326	328	385	

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

Hour U.T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
Month Season	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Table 19 Baker Lake NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days) 1957

January																									
February																									
March																									
April																									
May																									
June																									
July	31	38	16	18	18	8	25	25	27	20	19	5	-15	-26	-50	-68	-74	-65	-42	-13	-3	26	26	37	
August	20	12	10	13	23	25	33	35	32	27	26	26	9	-19	-65	-107	-91	-82	-47	5	16	31	40	28	
September	-6	-4	-10	-8	18	24	40	42	33	32	31	31	33	11	0	-48	-82	-112	-53	-8	18	18	-5	-7	
October	4	4	3	10	17	24	31	28	25	22	16	8	3	-7	-27	-46	-44	-20	0	-11	-12	-3	-3	-3	
November	2	6	9	12	15	18	20	28	32	19	2	4	3	-14	-28	-29	-39	-28	-17	-6	-2	-2	2	3	
December	14	18	9	-4	8	4	15	17	26	27	12	6	0	-15	-23	-31	-28	-16	-24	-19	-7	-4	0	2	
Year																									
Winter																									
Equinox																									
Summer																									

Table 20 Baker Lake EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days) 1957

January																									
February																									
March																									
April																									
May																									
June																									
July	-30	-51	-69	-72	-66	-71	-54	-50	-38	-31	-25	-4	11	37	55	67	70	71	82	78	60	43	9	-8	
August	-29	-47	-69	-65	-66	-58	-45	-23	-13	-3	6	16	29	46	60	54	53	41	34	42	34	20	2	-15	
September	-56	-79	-99	-116	-103	-89	-64	-38	-13	3	22	43	51	76	80	108	98	74	51	40	45	27	-14	-40	
October	-38	-41	-43	-39	-33	-38	-28	-14	-5	10	17	17	19	27	41	51	42	45	34	34	15	-11	-21	-28	
November	-30	-32	-36	-36	-31	-34	-30	-20	1	11	14	25	33	35	39	41	38	35	19	11	-2	-14	-18	-25	
December	-15	-21	-30	-46	-43	-41	-35	-36	-3	17	20	30	32	38	39	35	36	33	31	13	-3	-16	-18	-21	
Year																									
Winter																									
Equinox																									
Summer																									

Table 21 Baker Lake VERTICAL INTENSITY (gammas) (All Days) 1957

January																									
February																									
March																									
April																									
May																									
June																									
July	-113	-86	-52	-38	-17	7	18	31	44	51	72	96	132	130	116	82	58	40	-19	-46	-97	-131	-125	-146	
August	-86	-65	-32	-19	-1	18	28	35	36	47	46	47	80	93	82	46	2	-6	-25	-43	-60	-67	-72	-91	
September	-108	-85	-57	-28	-6	19	28	31	40	51	49	65	90	116	165	141	82	23	-11	-76	-110	-148	-143	-130	
October	-51	-39	-31	-15	-3	17	23	30	33	28	37	33	42	63	60	62	31	11	-18	-45	-66	-73	-69	-63	
November	-49	-46	-35	-21	-11	5	6	35	41	48	54	53	44	46	65	54	31	6	-16	-48	-70	-68	-60	-56	
December	-62	-48	-38	-24	-7	9	11	47	43	48	69	68	58	59	49	37	22	-1	-29	-55	-68	-68	-59	-57	
Year																									
Winter																									
Equinox																									
Summer																									



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

Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
<b>NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)</b>																									
Table 25 Baker Lake <span style="float: right;">1957</span>																									
January																									
February																									
March																									
April																									
May																									
June																									
July	24	79	67	104	87	17	77	71	69	32	23	4	-21	46	21	-31	-64	-172	-211	-171	-105	11	25	37	
August	2	-12	26	25	54	71	88	96	84	65	72	54	10	-30	-68	-162	-146	-193	-97	14	10	10	19	1	
September	-32	-38	-41	18	16	90	93	80	91	89	82	59	82	71	101	38	-87	-132	-163	-82	-63	-50	-122	-98	
October	-10	-11	-9	11	29	48	57	45	29	23	21	10	17	30	19	-34	-19	23	-1	-4	-86	-84	-57	-53	
November	4	16	18	26	50	55	60	72	53	49	30	1	19	-14	-40	-7	-48	-65	-93	-86	-66	-61	-16	-7	
December	20	18	14	23	21	-18	35	55	57	54	41	7	4	-4	-12	-37	-34	-10	-56	-44	-27	-39	-29	-22	
Year																									
Winter																									
Equinox																									
Summer																									
<b>EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)</b>																									
Table 26 Baker Lake <span style="float: right;">1957</span>																									
January																									
February																									
March																									
April																									
May																									
June																									
July	-101	-130	-178	-142	-133	-140	-71	-84	-62	-80	-48	-27	-3	57	99	182	213	236	199	124	64	32	7	-6	
August	-29	-82	-96	-117	-139	-115	-74	-38	-36	-6	5	33	48	59	79	72	132	136	110	58	28	6	-8	-30	
September	-125	-164	-202	-275	-238	-151	-160	-98	-16	-19	39	73	119	161	233	301	267	257	161	35	2	18	-104	-122	
October	-66	-70	-100	-90	-70	-79	-51	-13	-1	25	32	18	23	43	68	99	82	64	68	70	26	-11	-22	-31	
November	-45	-49	-75	-78	-40	-39	-23	-53	0	-4	26	28	35	49	69	80	82	72	49	26	-13	-25	-22	-42	
December	-23	-42	-55	-84	-80	-95	-58	-43	8	38	44	56	50	57	68	55	71	67	45	16	-1	-25	-35	-31	
Year																									
Winter																									
Equinox																									
Summer																									
<b>VERTICAL INTENSITY (gammas) (Disturbed Days)</b>																									
Table 27 Baker Lake <span style="float: right;">1957</span>																									
January																									
February																									
March																									
April																									
May																									
June																									
July	-162	-115	-58	-59	-51	-62	-1	4	58	97	128	171	245	218	175	189	187	107	-154	-178	-239	-187	-150	-161	
August	-156	-135	-90	-52	4	40	36	58	67	101	88	93	128	157	118	72	2	-4	-72	-86	-81	-84	-107	-106	
September	-198	-175	-115	-30	6	3	56	99	55	141	116	149	124	213	307	266	13	-4	-26	-161	-206	-278	-210	-152	
October	-69	-41	-19	-22	6	54	69	43	23	35	51	45	46	83	76	81	17	-1	-51	-66	-71	-95	-112	-94	
November	-89	-75	-45	-27	-38	-15	-23	85	94	98	51	86	55	44	113	52	49	7	-22	-63	-101	-88	-73	-74	
December	-96	-81	-59	-14	-5	44	32	56	53	80	64	114	110	68	66	48	24	-16	-52	-78	-115	-94	-70	-87	
Year																									
Winter																									
Equinox																									
Summer																									

NORTH COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Times

Table 28 Baker Lake

3,500  $\gamma$  +

January 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	276	301	271	293	356	385	381	377	385	385	347	327	347	351	335	297	263	254	242	246	259	267	267	301	313	
2	293	314	335	343	351	360	377	373	381	381	373	356	301	347	339	343	364	360	356	360	377	360	356	343	352	
3 Q	343	356	356	356	356	360	310	331	364	364	360	356	351	347	327	293	293	322	347	377	373	368	368	360	347	
4 Q	360	356	351	351	351	356	368	373	368	364	364	364	356	351	356	343	343	343	343	347	356	360	360	385	357	
5 Q	364	335	356	373	364	351	351	398	377	364	381	373	364	347	364	356	335	322	343	356	364	373	368	368	360	
6	364	364	360	335	339	347	381	385	377	360	356	351	339	310	335	335	331	310	301	339	368	381	394	373	352	
7 Q	364	375	375	367	353	353	367	364	383	375	373	354	364	356	331	299	311	333	323	359	391	391	376	371	359	
8 Q	390	381	364	351	356	373	381	402	402	373	377	373	364	351	305	314	297	297	339	377	385	381	390	398	363	
9	377	364	339	318	360	368	381	381	381	377	368	339	364	347	284	140	199	233	314	368	310	288	301	327	326	
10	339	331	339	364	364	373	373	364	360	360	364	360	356	351	318	335	305	297	347	373	377	373	377	377	353	
11	351	377	356	368	377	377	373	368	368	360	343	364	381	373	335	314	297	293	288	271	288	343	377	402	347	
12	390	390	360	343	377	394	390	394	373	364	373	360	356	356	343	314	276	314	314	339	373	356	343	335	355	
13	322	368	385	373	368	373	373	343	335	368	368	368	360	351	339	314	280	263	327	305	263	301	339	364	339	
14	377	360	360	368	364	364	368	368	335	242	360	356	360	339	335	305	174	242	293	335	335	246	322	394	329	
15	381	377	373	368	368	327	259	368	398	373	368	373	373	314	301	322	254	301	305	305	368	335	331	390	343	
16	381	373	368	364	368	381	368	377	377	381	356	373	351	351	347	322	280	288	301	263	250	305	335	335	341	
17 D	364	373	381	377	360	322	385	360	385	364	368	351	356	364	327	246	195	191	301	293	280	250	280	314	324	
18 D	284	322	356	335	343	351	385	398	250	423	373	339	385	343	318	250	106	029	195	271	327	368	373	339	311	
19	373	394	390	377	360	356	368	390	373	368	373	364	356	331	314	237	263	276	406	394	360	377	364	385	356	
20	373	377	381	360	356	360	373	377	385	381	377	351	335	351	327	322	310	152	250	284	335	301	301	314	335	
21 D	301	280	318	301	390	390	364	377	381	377	373	385	350	343	351	335	288	242	195	271	335	351	368	373	335	
22	381	351	356	351	356	364	381	373	351	377	377	335	301	254	250	280	276	280	250	339	368	377	381	360	336	
23 D	335	314	390	360	314	254	339	385	390	398	364	335	318	242	233	259	221	191	246	254	301	364	390	381	316	
24	377	360	364	360	364	368	368	360	351	364	368	351	237	288	259	276	280	280	314	347	373	368	381	381	339	
25	368	364	322	322	373	381	385	381	381	280	360	356	368	335	242	263	246	305	343	364	373	381	381	364	343	
26	368	363	377	335	246	356	419	406	373	360	373	356	356	335	322	293	288	284	250	318	360	322	322	327	338	
27	339	385	389	356	343	339	343	377	377	368	377	360	368	351	322	297	284	284	310	373	385	389	339	373	351	
28	366	361	352	349	356	358	348	370	374	366	374	378	381	349	344	336	323	318	352	370	361	361	367	379	358	
29	377	364	360	204	256	251	390	398	398	368	381	364	351	351	343	360	364	377	343	385	398	394	402	398	362	
30	377	364	360	368	402	406	402	394	377	377	381	364	343	356	381	360	327	339	423	436	432	428	390	368	381	
31	368	343	356	360	368	368	351	373	373	373	356	356	339	343	343	343	327	356	364	373	402	402	394	331	361	
Mean	356	356	358	347	354	360	368	377	371	366	368	358	350	338	322	304	281	280	311	336	350	351	356	362	345	

EAST COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Baker Lake

January 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	094	088	041	023	064	064	052	094	148	208	226	184	172	172	184	178	184	279	273	238	184	142	124	118	147
2	112	112	106	112	112	100	136	160	172	178	196	208	238	238	232	202	190	172	172	184	188	160	154	148	166
3 Q	154	160	154	130	142	142	088	136	160	166	166	172	172	178	190	190	181	181	199	193	187	163	151	151	163
4 Q	151	151	151	145	139	145	145	157	163	163	169	169	169	169	175	169	169	176	164	158	152	182	158	152	160
5 Q	152	146	158	164	158	140	152	164	170	170	176	182	182	182	200	200	188	188	176	170	164	164	164	164	170
6	164	158	146	104	104	134	158	158	170	170	176	182	194	206	212	200	188	158	152	170	154	164	164	152	164
7 Q	158	158	155	139	139	136	155	139	153	168	173	177	181	196	208	188	178	180	169	166	159	153	153	155	164
8 Q	164	164	146	134	122	122	134	140	182	206	194	182	182	182	212	194	182	158	170	176	170	158	158	158	166
9	158	146	110	104	134	140	146	164	176	182	200	230	248	242	236	212	224	212	182	176	122	116	134	122	172
10	122	110	134	158	158	140	140	152	158	164	170	176	182	200	182	176	200	194	182	182	158	146	146	152	162
11	152	152	134	158	170	164	158	158	164	164	188	194	176	176	182	188	212	206	224	182	140	146	152	164	171
12	170	140	140	140	134	128	152	164	182	182	176	188	200	206	194	194	194	188	194	182	164	158	140	134	169
13	134	158	152	158	146	122	128	140	158	170	176	182	182	182	182	182	212	218	164	206	182	128	152	176	166
14	146	158	158	164	158	158	152	152	158	110	164	176	176	176	194	206	236	170	158	146	182	134	152	158	164
15	158	152	158	152	134	045	063	122	170	176	176	182	206	218	218	218	212	164	170	182	164	134	152	164	162
16	164	164	164	164	158	146	116	134	164	164	206	194	188	182	194	194	212	176	188	218	176	134	134	146	170
17 D	158	164	158	134	104	086	146	140	170	206	200	206	206	176	224	206	212	218	218	152	152	128	110	104	166
18 D	092	098	110	086	057	092	122	134	063	134	206	248	224	242	236	254	242	200	158	188	170	170	152	140	159
19	176	176	158	158	152	134	140	158	164	170	176	194	206	224	242	230	248	236	218	176	164	170	164	164	183
20	164	170	152	164	158	152	152	158	164	158	170	230	194	170	200	188	176	212	182	176	152	146	104	104	167
21 D	033	003	057	021	-009	074	116	128	158	212	206	188	182	194	188	182	182	242	218	164	164	170	146	158	141
22	146	158	164	152	128	134	158	158	134	164	158	164	248	271	212	200	206	182	206	170	176	164	158	146	173
23 D	128	158	152	122	074	039	063	110	146	158	176	176	212	188	212	212	236	170	254	200	182	158	152	158	160
24	146	152	158	146	146	134	140	146	158	164	164	206	224	188	188	188	182	158	146	146	152	158	158	158	163
25	140	146	110	122	128	134	140	134	140	170	170	158	164	212	242	254	266	218	158	158	158	158	158	158	167
26	158	158	134	086	-009	033	098	122	164	194	176	176	170	176	176	206	230	212	152	134	176	152	134	134	148
27	158	176	146	134	128	122	134	146	164	176	170	164	170	170	170	188	182	188	152	188	176	164	146	176	162
28	166	158	158	160	160	153	126	146	166	212	195	190	198	190	185	182	191	166	163	181	160	160	161	161	170
29	146	152	128	039	015	050	110	140	176	194	182	176	170	176	182	200	218	194	170	200	200	176	170	164	155
30	158	152	146	140	116	146	134	140	176	170	176	194	206	188	182	164	176	182	218	212	224	200	164	152	172
31	140	140	146	134	158	128	128	152	170	176	200	176	182	176	176	176	188	152	164	218	194	176	158	140	165
Mean	144	144	138	127	119	117	128	143	160	174	182	188	194	195	200	197	203	192	184	180	169	156	149	149	164

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

Table 30 Baker Lake 60,000  $\gamma$  + January 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	361	371	371	377	377	425	513	447	425	437	458	431	393	404	425	425	388	383	383	349	383	355	355	333	399
2	338	343	338	343	371	393	410	420	415	524	474	437	497	485	442	442	431	393	361	333	311	316	343	349	397
3 Q	328	343	338	361	361	366	388	377	371	371	366	371	383	393	415	431	420	420	398	338	306	333	338	338	369
4 Q	338	338	333	344	344	338	356	356	361	366	366	372	372	356	356	344	344	338	338	333	328	333	328	317	346
5 Q	311	323	311	323	323	338	301	301	317	323	333	333	333	344	344	344	333	328	317	328	328	328	328	317	325
6	311	317	323	338	311	350	356	383	415	366	361	366	388	459	405	388	388	333	317	301	317	317	301	279	350
7 Q	325	334	334	334	334	343	334	325	360	352	369	378	387	387	395	387	378	378	360	343	325	308	308	308	349
8 Q	279	285	285	296	318	351	388	405	373	373	378	361	356	356	415	378	361	345	328	311	311	306	301	284	339
9	291	301	299	288	288	309	326	326	336	336	342	369	413	391	403	533	478	397	315	245	212	250	299	261	334
10	272	282	277	288	309	315	331	326	326	315	315	315	331	363	353	342	342	309	299	250	290	304	299	277	310
11	282	272	272	267	282	294	299	304	299	309	309	321	304	315	309	315	326	315	255	261	261	233	261	239	288
12	277	272	277	277	288	309	331	321	315	299	294	309	321	326	315	331	348	309	261	222	250	212	255	277	291
13	261	190	222	255	272	299	321	342	315	299	304	309	309	315	326	331	326	282	282	212	206	195	222	239	276
14	282	272	277	288	299	299	304	304	451	566	440	353	336	326	342	397	494	369	288	299	222	239	217	261	330
15	282	287	282	294	304	430	386	369	336	321	299	309	342	353	375	358	358	309	277	227	250	206	261	282	312
16	288	294	288	288	288	304	363	288	288	304	336	336	342	299	326	326	321	294	282	227	185	200	212	222	288
17 D	239	267	288	282	309	331	309	342	336	391	472	462	424	348	386	424	375	321	267	217	206	217	206	200	317
18 D	267	250	261	282	315	331	309	358	614	510	413	462	462	435	435	576	587	560	403	331	255	239	267	267	383
19	272	299	294	288	304	315	321	369	381	331	348	353	358	353	408	511	467	408	277	294	261	245	277	272	334
20	282	288	277	282	299	294	299	331	435	403	375	397	435	353	403	363	353	336	272	267	195	173	212	267	316
21 D	250	250	272	363	435	358	353	353	413	424	413	348	342	326	342	336	326	315	200	185	206	277	288	299	320
22	277	288	288	294	309	309	336	363	353	304	304	342	435	462	499	381	342	299	245	245	255	288	288	245	323
23 D	267	233	233	277	342	451	403	386	353	363	408	391	435	499	462	418	522	418	342	277	272	245	277	288	357
24	282	282	294	294	309	331	336	326	315	315	315	375	571	472	430	381	342	315	304	304	304	315	282	288	337
25	272	288	299	267	288	304	331	403	391	544	375	363	363	435	517	591	451	342	348	326	309	299	288	288	362
26	288	299	304	315	505	381	391	375	353	336	309	326	321	331	353	413	408	363	358	294	222	190	255	272	332
27	272	250	272	282	294	304	304	299	315	369	315	309	309	304	331	348	321	342	304	288	288	239	227	245	297
28	266	275	284	293	293	301	354	337	363	363	354	345	337	328	345	319	319	310	293	301	293	275	284	284	313
29	261	267	277	342	391	408	363	403	348	315	304	315	309	326	336	369	375	294	282	272	239	261	277	267	317
30	261	272	282	294	331	342	326	321	294	294	309	304	353	326	331	358	331	342	369	315	233	217	239	267	305
31	267	267	277	299	299	315	386	369	348	331	386	342	336	315	309	321	321	331	315	239	288	267	245	245	309
Mean	285	287	291	304	326	340	349	353	365	369	359	358	374	370	382	393	383	348	311	282	268	264	275	277	330

NORTH COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Times

334 310 189 120 193 142 133

Table 31 Baker Lake

3,500  $\gamma$  +

February 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	347	381	370	373	375	377	373	379	375	368	375	375	349	351	347	351	419	438	415	406	413	387	387	375	379
2	351	362	368	370	364	381	271	390	390	383	347	370	373	379	347	314	339	353	347	383	387	373	370	373	362
3 Q	373	377	370	368	368	377	385	383	387	377	368	368	362	339	293	327	349	349	366	373	396	387	400	379	368
4	351	387	379	375	368	370	375	377	373	375	379	341	337	347	345	305	368	252	451	174	189	265	318	316	338
5	318	337	333	339	327	385	387	404	400	390	402	373	308	276	269	145	280	187	297	301	240	229	269	310	313
6 D	301	318	335	360	360	254	343	373	400	415	390	322	351	353	280	246	271	335	406	373	381	347	316	280	338
7	316	335	316	327	360	381	402	385	392	392	411	390	347	368	327	349	308	295	322	368	265	404	347	329	351
8	310	312	347	356	187	347	347	404	305	360	383	368	329	343	366	362	206	335	303	331	252	227	349	322	323
9	331	343	356	343	343	351	362	377	373	364	358	356	341	305	259	331	322	339	314	301	356	368	343	337	341
10	345	310	310	343	375	360	362	375	375	368	349	360	356	292	250	356	411	356	353	280	254	293	250	261	331
11 D	382	177	-051	182	280	-062	325	307	364	352	307	316	235	182	127	-015	-056	189	015	-042	-064	092	173	164	161
12 D	227	274	271	305	305	343	398	398	400	406	351	269	305	320	419	351	312	379	221	360	339	293	318	358	330
13	356	356	356	353	353	362	364	362	362	301	314	392	339	157	182	250	295	310	335	368	349	322	312	312	324
14	368	329	318	333	358	288	387	385	408	379	382	368	373	351	293	210	347	301	303	351	406	385	385	390	350
15 Q	379	373	375	373	362	373	373	366	366	364	356	349	362	351	310	351	322	335	362	387	370	413	402	385	365
16	375	377	375	368	364	379	390	402	400	392	385	364	358	339	288	123	212	254	314	390	388	322	339	368	344
17 D	406	390	362	385	385	385	368	398	383	396	379	322	293	221	267	390	111	310	136	233	216	233	314	343	318
18 D	318	231	357	347	293	375	396	280	327	387	165	276	335	310	199	214	-033	111	191	310	314	327	288	362	278
19	280	347	356	349	356	377	297	385	387	375	360	375	327	331	314	199	225	305	259	263	288	375	297	293	322
20	310	331	364	356	353	387	398	400	385	360	353	368	343	331	212	250	199	231	237	239	250	229	276	397	315
21	394	364	333	233	347	310	339	406	419	392	364	377	341	339	312	250	225	182	301	263	178	284	263	367	316
22	368	310	293	343	375	383	364	364	373	373	351	343	358	343	295	161	199	293	271	240	233	377	322	276	317
23	343	351	360	373	333	373	398	398	394	385	381	331	347	339	356	347	276	302	318	339	377	337	373	404	355
24 Q	398	368	368	335	339	351	370	377	383	379	381	368	356	314	306	312	310	331	360	370	373	398	385	377	359
25 Q	375	373	377	377	377	383	335	385	392	377	383	351	343	353	347	351	331	327	353	362	385	390	385	398	367
26 Q	381	377	364	356	375	379	406	396	368	375	368	368	373	379	358	343	351	351	366	377	392	440	390	394	376
27	366	364	353	368	362	362	375	385	381	356	347	360	377	375	325	276	295	335	284	381	496	327	356	381	358
28	358	370	375	373	373	379	385	396	415	360	394	381	229	250	161	293	394	335	437	384	398	407	396	396	360
29																									
30																									
31																									
Mean	348	340	335	346	347	347	367	380	381	375	360	354	337	319	291	276	271	300	308	317	315	330	334	344	334



**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 32 Baker Lake

February 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	158	164	164	164	161	158	152	161	185	176	182	188	215	188	200	212	197	185	182	185	197	203	179	161	180	
2	137	146	146	158	128	122	078	158	173	182	194	194	200	203	191	176	170	182	146	179	182	170	167	167	165	
3 Q	164	164	161	149	146	146	155	167	176	182	188	179	191	191	176	164	158	167	158	158	176	173	173	158	168	
4	158	170	161	164	161	161	158	167	170	173	176	215	194	197	194	206	221	188	295	224	152	146	140	137	180	
5	125	110	104	110	078	119	116	161	218	215	188	206	259	230	206	236	224	188	164	218	224	137	134	125	171	
6 D	140	116	134	149	090	098	140	146	194	185	173	224	230	233	227	295	203	212	200	188	182	176	143	116	175	
7	140	128	078	096	116	125	164	122	149	224	194	194	236	203	203	247	253	176	164	206	197	176	164	131	170	
8	122	146	137	101	045	081	090	158	110	146	200	206	191	239	286	277	188	250	170	218	203	140	137	134	166	
9	125	158	158	081	015	131	146	164	164	182	179	194	200	188	200	247	259	280	247	262	200	188	152	131	177	
10	110	095	110	134	128	125	152	170	173	170	182	188	179	200	230	289	319	385	370	337	289	221	221	146	205	
11 D	110	320	313	122	060	033	083	098	158	164	209	227	197	209	170	242	230	236	242	194	104	134	155	146	144	
12 D	096	107	104	101	149	134	128	164	176	194	250	206	185	185	170	182	218	374	453	289	155	158	176	158	188	
13	146	161	149	152	152	152	140	152	161	146	152	179	242	206	221	271	301	239	271	271	230	176	140	143	190	
14	128	113	096	060	066	003	116	143	155	155	161	200	236	230	218	230	295	236	152	170	215	170	173	167	162	
15 Q	161	164	158	158	140	152	149	161	164	164	194	197	176	188	173	194	179	173	167	173	179	176	164	158	169	
16	164	164	155	143	134	137	137	152	167	179	176	197	209	218	215	212	164	152	212	164	176	164	134	158	170	
17 D	164	143	140	122	110	096	137	146	182	194	212	200	224	253	218	194	286	200	212	164	155	140	140	140	174	
18 D	119	072	113	093	093	140	122	101	128	164	146	182	212	212	170	203	197	221	271	277	200	182	158	146	163	
19	081	152	125	128	128	122	075	125	176	167	194	212	209	218	194	206	194	155	218	150	170	167	116	081	157	
20	134	149	152	134	090	101	137	155	173	182	215	209	203	215	200	188	200	224	262	230	230	164	146	164	177	
21	152	152	116	054	021	003	075	113	182	185	176	179	212	224	227	242	218	239	289	236	146	146	116	170	161	
22	116	075	087	128	116	075	107	155	158	182	206	212	224	224	221	227	200	218	283	212	140	164	140	131	167	
23	152	096	018	078	137	137	173	179	152	203	200	221	194	191	188	194	242	194	242	224	227	173	164	167	173	
24 Q	167	152	140	119	137	149	155	158	179	182	188	215	215	212	194	179	179	194	209	197	170	176	179	158	175	
25 Q	155	155	158	161	146	131	087	128	170	200	194	185	188	179	182	176	173	170	170	186	167	170	170	173	166	
26 Q	164	152	146	137	128	146	146	149	164	182	182	185	185	188	182	188	182	170	164	167	200	206	176	161	169	
27	164	152	143	152	143	131	143	167	179	194	188	188	182	173	176	179	179	164	224	218	245	182	158	152	174	
28	152	164	146	146	149	158	158	137	164	203	176	212	197	170	194	200	209	158	209	191	185	173	185	158	175	
29																										
30																										
31																										
Mean	139	121	136	125	113	114	129	148	168	181	188	200	207	206	201	216	216	212	227	210	189	170	157	148	172	

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

Table 33 Baker Lake

60,000  $\gamma$  +

February 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	251	273	281	287	283	287	294	308	423	432	359	348	386	346	357	420	394	351	346	287	249	208	267	273	321	
2	251	235	256	271	310	370	456	375	341	331	493	368	364	352	357	353	380	351	321	292	299	292	292	287	333	
3 Q	287	287	287	289	297	330	341	332	319	324	341	321	330	343	353	326	314	314	299	299	302	289	271	254	310	
4	246	262	281	283	283	289	299	294	289	292	299	324	407	353	380	373	400	276	249	341	287	265	265	273	305	
5	256	251	262	273	289	273	305	314	353	378	384	337	378	405	407	488	402	391	289	197	206	265	265	244	317	
6 D	222	240	260	267	299	421	319	316	357	348	343	341	364	423	416	483	416	316	287	251	246	202	208	249	316	
7	271	278	287	262	283	319	373	348	357	405	348	416	370	343	407	391	391	402	341	224	181	224	211	213	319	
8	205	249	256	287	256	343	357	343	434	488	386	380	402	416	427	353	380	326	240	254	267	254	183	233	322	
9	278	276	262	303	283	192	278	319	332	313	313	326	343	377	448	429	377	332	305	208	127	137	194	208	290	
10	226	267	267	262	278	299	316	278	280	310	313	316	350	431	631	488	359	299	229	246	200	176	222	244	304	
11 D	220	220	587	408	389	408	508	808	594	519	594	692	585	668	791	864	392	333	398	445	473	473	389	408	507	
12 D	343	338	338	340	347	336	389	499	429	438	440	580	536	424	483	477	459	397	311	151	239	268	268	268	379	
13	270	270	304	316	325	327	340	343	349	649	576	475	469	592	558	619	541	515	349	304	202	218	247	273	393	
14	284	295	332	349	424	515	391	383	424	525	466	416	442	502	552	541	418	386	290	279	266	327	297	290	391	
15 Q	306	298	300	300	309	325	322	320	322	327	332	347	359	357	368	413	352	322	314	313	290	263	270	268	321	
16	276	284	284	287	303	308	349	365	322	324	316	332	381	456	584	608	461	397	319	290	263	177	193	225	338	
17 D	257	255	270	284	316	324	300	306	349	343	410	370	378	603	518	418	216	215	238	233	142	217	150	177	300	
18 D	265	287	252	300	388	349	424	311	397	402	600	530	488	421	536	510	429	362	418	247	188	222	170	225	363	
19	257	247	270	300	322	351	407	378	351	349	356	399	415	418	381	367	388	338	306	324	217	172	172	231	322	
20	247	247	260	284	306	327	340	332	332	338	354	375	407	456	608	424	322	340	383	386	316	327	236	177	339	
21	248	264	285	336	354	456	374	406	442	432	381	357	381	466	493	469	402	392	298	306	306	232	155	232	353	
22	232	280	296	293	309	386	303	312	344	344	357	402	429	397	456	453	354	264	271	174	169	147	192	218	308	
23	226	269	306	293	325	328	330	402	493	450	408	400	392	383	408	386	392	290	274	261	203	152	176	210	323	
24 Q	243	274	301	317	317	309	306	322	354	383	397	413	413	392	338	319	296	301	306	293	306	309	301	298	325	
25 Q	301	301	301	301	306	328	445	395	360	408	411	376	341	341	341	341	346	338	306	346	341	328	317	293	342	
26 Q	287	277	296	301	351	360	344	354	376	346	333	322	333	330	351	360	349	335	333	330	296	287	274	258	324	
27	274	290	285	296	301	274	325	344	344	370	381	349	344	349	397	349	354	386	322	303	239	221	216	226	314	
28	258	282	287	282	285	296	301	319	341	402	394	389	544	493	533	429	466	415	453	322	317	306	203	245	357	
29																										
30																										
31																										
Mean	260	271	295	299	316	337	351	362	372	392	396	393	405	423	460	445	383	346	311	282	255	248	235	250	337	

NORTH COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Times

Table 34 Baker Lake

3,500  $\gamma$  +

March 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	337	347	360	370	377	381	381	383	385	383	375	366	356	335	284	314	314	303	341	387	419	394	387	387	361	
2 Q	430	394	375	377	381	381	343	396	404	402	398	372	368	362	337	331	333	337	362	377	381	383	417	428	378	
3	400	383	368	366	375	383	394	394	402	394	408	411	421	366	358	373	303	322	265	165	271	197	280	239	343	
4	269	286	310	337	351	373	398	392	351	398	400	366	373	314	123	085	119	390	398	284	366	406	278	293	319	
5 D	297	333	351	358	349	237	353	451	432	398	356	368	347	351	329	250	307	280	392	351	301	345	283	351	341	
6	373	373	212	314	358	402	432	423	379	387	381	345	358	381	411	417	325	286	250	250	293	267	394	390	350	
7	351	356	379	351	335	307	396	383	404	375	394	379	394	375	145	195	225	295	312	221	286	231	401	392	328	
8	368	339	349	364	370	385	406	402	392	387	387	360	366	343	327	320	308	320	343	366	318	271	316	322	352	
9	360	337	327	368	385	425	408	398	408	404	402	394	341	293	204	288	221	295	377	377	413	411	406	402	360	
10	383	318	331	370	358	377	387	385	392	404	379	387	398	356	335	195	174	161	208	282	366	331	387	364	335	
11	335	351	364	375	377	377	377	373	383	381	368	404	370	383	327	261	341	227	310	174	259	301	246	250	330	
12 D	257	284	333	335	337	447	440	466	462	413	375	404	423	453	445	440	468	589	534	545	470	453	406	377	423	
13 D	370	343	366	398	408	423	432	442	423	449	379	447	402	421	483	438	339	271	199	149	320	360	368	377	375	
14	362	358	364	368	356	364	364	368	373	375	370	362	436	347	343	681	593	436	322	301	250	216	280	316	371	
15	353	364	368	383	390	413	345	419	440	428	353	343	370	322	170	191	-125	035	462	351	366	402	440	423	334	
16 Q	333	293	299	343	370	381	379	400	406	387	379	373	368	329	286	312	299	271	259	333	385	276	240	310	334	
17	314	339	375	383	383	396	373	411	453	208	364	394	341	304	229	157	411	242	199	381	419	413	413	394	346	
18	385	408	341	333	356	392	400	379	404	417	417	383	411	335	288	282	204	107	069	136	204	259	295	356	315	
19 D	370	373	364	335	392	406	413	385	385	387	396	364	377	314	395	212	242	-044	161	288	284	278	312	333	322	
20 D	282	341	353	368	362	387	394	356	390	385	353	310	335	305	271	152	128	206	299	318	123	227	314	335	304	
21	305	341	362	366	385	345	398	413	400	398	349	335	351	349	214	149	039	081	102	233	212	195	250	267	285	
22	329	301	339	370	368	379	368	368	364	375	370	366	349	299	204	229	259	307	339	368	370	304	327	293	331	
23	329	362	353	406	411	390	408	419	423	417	436	375	387	377	349	136	090	052	195	212	212	284	385	400	325	
24	353	404	425	419	394	400	428	425	438	430	406	390	331	320	293	335	375	308	325	216	364	301	358	370	367	
25	345	339	377	394	373	417	436	419	415	411	404	364	428	434	377	165	419	440	358	343	325	301	231	385	371	
26	519	479	397	424	462	479	449	521	515	500	542	661	551	244	223	221	180	-025	267	343	366	366	415	373	395	
27	297	366	404	364	362	375	432	466	445	400	408	400	404	347	353	316	269	314	331	436	370	284	288	443	370	
28 Q	436	445	381	318	339	370	396	417	428	428	419	377	379	377	358	379	449	534	349	337	362	455	449	387	399	
29 Q	343	288	396	339	347	406	430	402	394	390	381	396	368	360	347	339	377	512	385	385	370	392	413	383	381	
30	385	400	368	377	381	387	411	430	457	396	373	479	432	436	362	297	269	252	411	434	297	263	276	373	373	
31	353	327	345	353	358	383	364	375	387	390	387	373	246	278	231	085	123	018	018	136	233	343	271	282	277	
Mean	352	354	356	365	372	386	398	409	411	397	390	389	380	349	303	276	271	262	295	305	322	320	340	355	348	

## EAST COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Baker Lake

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	107	140	155	155	155	158	152	164	170	170	173	170	179	188	194	182	179	188	155	167	212	191	167	182	169	
2 Q	191	173	164	161	158	128	054	116	152	185	197	200	185	185	185	173	170	158	161	161	164	173	185	188	165	
3	179	155	146	155	146	137	122	140	176	212	224	224	227	209	194	215	203	265	218	300	191	164	152	101	186	
4	072	075	045	042	066	090	093	128	116	182	212	206	209	215	197	197	197	265	242	188	209	215	131	113	154	
5 D	096	122	125	116	093	066	039	024	140	200	239	197	188	203	191	221	245	221	155	194	212	197	170	158	159	
6	137	075	-110	009	107	125	134	158	137	158	161	215	233	242	283	265	242	224	224	224	194	200	206	146	166	
7	140	143	104	072	006	000	110	137	200	218	182	164	215	239	236	212	253	206	209	212	206	149	164	110	162	
8	104	072	060	027	063	098	143	140	209	191	191	197	200	188	212	194	194	188	191	203	215	143	137	140	154	
9	104	069	090	137	093	090	084	131	152	182	206	215	209	194	221	218	176	170	218	194	152	164	161	140	157	
10	110	081	090	101	087	113	116	137	164	167	203	194	200	203	230	209	212	253	292	221	206	162	175	125	169	
11	113	128	152	158	146	152	158	161	161	167	176	170	203	227	221	262	289	250	289	212	182	179	155	101	184	
12 D	036	012	003	-009	-021	036	096	131	110	149	242	262	274	268	280	301	274	343	376	361	313	236	173	137	183	
13 D	101	084	036	036	057	030	081	140	158	203	239	224	239	277	316	304	236	307	265	122	149	149	152	158	169	
14	119	125	146	161	152	155	161	161	155	155	167	176	227	215	224	316	245	236	146	131	110	110	146	128	169	
15	125	137	116	116	104	069	039	146	197	194	161	197	176	206	271	328	367	283	128	128	149	164	170	158	172	
16 Q	096	075	057	063	045	096	122	143	146	176	176	179	176	194	203	200	208	224	200	131	185	175	122	128	147	
17	110	113	152	152	143	104	066	096	140	143	152	176	197	203	265	236	253	298	245	268	230	173	170	161	177	
18	149	140	101	072	110	096	084	078	134	140	182	188	185	215	230	280	227	259	259	289	233	200	137	143	172	
19 D	090	104	075	012	045	087	072	107	164	173	158	186	221	230	292	295	319	200	170	110	247	185	170	122	160	
20 D	060	054	066	027	093	113	131	146	167	200	200	191	188	209	182	218	236	218	230	250	194	203	194	149	163	
21	081	057	110	084	113	104	110	143	188	170	188	161	179	182	230	286	280	325	170	245	164	087	113	090	161	
22	-015	-039	057	066	072	131	146	146	158	164	155	164	170	194	215	209	212	200	218	203	212	185	146	060	143	
23	113	090	096	087	063	084	101	116	116	143	170	155	164	200	256	236	271	227	161	206	218	221	182	155	160	
24	143	173	158	110	066	042	078	137	170	149	170	209	179	197	224	265	316	361	325	206	274	173	167	137	185	
25	072	000	023	072	093	090	110	149	164	173	179	200	188	236	280	304	379	247	152	090	110	152	110	146	155	
26	197	134	134	087	051	051	182	087	158	176	224	277	277	245	248	268	349	128	236	236	122	197	206	140	184	
27	072	125	125	128	101	149	137	101	107	128	212	215	200	176	215	206	221	164	289	253	218	206	188	185	172	
28 Q	164	146	110	104	104	116	122	122	134	179	176	191	194	188	191	206	256	283	247	131	149	227	206	152	171	
29 Q	066	003	116	104	063	072	140	158	158	173	194	176	182	191	194	188	224	230	149	182	146	182	182	164	152	
30	143	149	134	131	137	125	128	152	185	173	182	203	212	259	292	286	355	298	259	280	182	140	200	170	199	
31	110	104	090	057	081	027	045	107	134	128	128	140	158	215	247	271	250	259	200	158	188	191	140	093	147	
Mean	109	097	094	090	090	095	108	129	155	172	188	194	201	213	233	244	253	241	219	202	191	177	164	138	167	

March 1958

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

Table 36 Baker Lake

60,000  $\gamma$  +

March 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	259	272	283	280	291	299	304	302	304	307	304	315	330	376	384	341	318	309	299	296	254	227	208	164	293
2 Q	208	280	299	302	299	296	405	426	389	371	394	405	368	344	349	341	333	325	318	312	312	312	315	288	333
3	286	288	293	299	296	312	362	355	355	362	368	352	346	339	387	434	397	421	323	371	299	217	259	233	331
4	211	240	261	288	315	307	323	397	403	360	415	426	389	459	610	418	421	418	267	256	195	190	177	246	333
5 D	261	267	270	283	307	346	378	461	426	431	389	456	400	360	397	371	302	328	259	211	175	148	195	180	317
6	208	280	514	392	333	336	415	434	410	346	355	371	418	477	445	339	371	378	323	328	304	203	217	153	348
7	224	261	286	302	434	381	357	403	373	400	368	394	387	410	567	421	429	275	233	243	233	259	190	227	336
8	235	259	293	392	355	333	360	365	426	392	384	410	387	405	378	328	291	280	275	280	187	158	166	230	315
9	238	267	275	286	323	440	472	394	365	378	497	445	392	368	508	466	389	321	329	297	268	276	291	291	357
10	240	286	293	293	318	323	341	355	336	362	421	503	450	445	458	511	459	456	381	233	202	215	175	210	344
11	238	261	280	291	296	291	307	312	307	309	315	333	371	437	514	367	508	583	415	434	238	264	270	169	346
12 D	208	275	302	309	330	341	352	482	508	418	397	437	472	445	349	434	482	249	185	137	089	068	153	206	318
13 D	251	304	318	333	339	445	421	415	567	493	742	538	424	487	477	400	506	580	487	341	261	267	243	259	412
14	236	263	268	303	326	334	334	334	337	340	345	350	373	405	480	352	434	308	308	245	229	229	255	261	319
15	292	297	316	303	316	342	506	389	445	456	437	469	624	735	893	761	561	466	426	329	313	310	287	276	440
16 Q	239	292	297	313	337	334	334	347	371	361	329	329	350	373	368	321	319	305	233	258	223	173	242	245	304
17	252	234	261	284	303	326	413	431	424	678	482	466	413	487	645	635	445	429	376	191	229	287	292	303	387
18	308	273	303	319	308	316	342	503	405	387	392	392	408	461	558	571	535	487	482	363	334	303	289	261	388
19 D	213	245	282	345	334	326	440	461	363	345	350	392	535	761	613	761	672	540	382	224	197	350	229	226	399
20 D	192	221	292	376	310	329	340	371	358	371	392	461	487	498	574	495	471	308	289	303	287	218	213	182	347
21	208	250	268	313	337	371	366	361	405	387	524	424	389	445	569	548	561	545	292	124	150	155	147	197	347
22	245	271	287	308	342	326	340	345	331	329	355	352	376	413	514	410	340	329	334	321	279	182	187	184	321
23	136	234	258	305	347	340	355	376	403	405	419	542	516	505	672	709	521	410	313	313	229	145	113	150	363
24	197	200	271	284	316	403	371	361	450	450	424	437	501	450	487	498	471	464	358	329	166	187	166	150	350
25	218	279	261	266	287	361	403	392	395	371	361	400	434	448	519	519	572	566	461	316	331	303	197	245	371
26	252	194	160	200	266	245	376	345	398	445	419	366	477	603	751	719	761	419	366	287	245	171	145	182	366
27	155	150	224	266	287	305	282	319	373	392	424	403	352	445	413	419	382	313	220	350	213	197	108	113	296
28 Q	261	255	242	239	276	310	289	326	361	477	477	413	368	395	400	419	413	392	382	319	305	255	155	250	332
29 Q	250	166	152	208	258	342	352	340	363	342	329	329	358	347	342	329	434	474	461	297	292	258	187	266	307
30	292	284	297	287	297	303	326	329	392	524	395	376	355	392	421	485	548	379	303	289	324	203	147	157	338
31	215	245	271	276	294	329	361	329	345	403	376	408	469	382	366	535	326	236	231	273	192	157	221	239	312
Mean	234	255	280	298	315	335	365	379	390	400	406	410	417	448	497	479	451	401	329	286	243	223	208	218	344

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 37 Baker Lake

3,500  $\gamma$  +

April 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	322	364	343	373	385	377	425	432	411	394	364	369	297	197	252	041	174	310	178	178	267	329	271	419	311	
2 D	406	440	419	428	398	419	447	394	415	434	449	398	368	381	411	301	434	381	368	396	385	373	356	335	397	
3	360	387	335	360	390	419	436	428	421	406	390	360	377	385	366	360	362	390	333	339	284	301	343	385	372	
4 D	385	375	385	364	387	398	440	449	440	425	408	402	398	445	364	085	030	052	170	085	136	225	199	259	304	
5	322	347	373	351	404	434	449	451	425	434	402	406	466	483	476	423	415	436	631	788	733	504	259	284	446	
6	297	305	349	379	392	390	434	413	419	423	415	364	351	314	284	276	060	-006	182	128	225	248	267	263	298	
7	351	445	425	423	464	419	394	419	423	419	402	398	402	406	343	335	225	214	178	301	462	483	351	356	377	
8	351	381	377	390	381	377	377	381	383	390	381	373	347	301	244	195	149	204	310	312	299	329	343	419	333	
9	402	390	385	398	385	394	394	394	387	379	373	373	351	322	301	307	290	301	263	265	327	343	322	343	350	
10 Q	396	387	389	377	377	381	387	390	392	392	390	392	368	356	335	312	318	297	368	385	428	449	377	417	378	
11 Q	402	396	390	373	383	385	390	398	404	408	381	381	373	356	341	339	343	364	368	360	360	398	381	396	378	
12 Q	393	395	391	377	392	391	404	408	421	412	404	383	361	366	345	311	303	357	427	480	489	463	438	427	397	
13 Q	347	375	381	368	377	381	390	398	390	390	396	402	392	349	320	327	299	343	400	506	496	483	487	453	394	
14	449	436	423	423	449	457	466	449	457	432	432	406	381	390	402	398	233	339	314	204	280	288	356	398	386	
15	339	360	394	385	385	406	417	453	428	398	377	377	331	284	216	153	250	316	246	246	259	263	294	335	329	
16 D	339	339	356	356	457	491	504	483	487	491	500	491	491	377	322	195	152	047	246	457	288	280	364	322	368	
17 D	271	229	333	385	402	400	428	445	428	432	402	373	381	381	347	381	000	214	195	161	206	244	182	259	312	
18 D	343	347	383	394	423	436	462	445	468	440	345	466	496	341	033	297	506	351	189	233	214	273	276	297	352	
19	387	364	373	385	432	442	423	411	406	428	385	390	362	322	314	265	140	229	345	351	288	233	263	356	346	
20	438	442	408	366	412	341	421	425	383	404	417	450	501	391	249	256	286	277	400	421	457	328	364	452	387	
21	436	400	415	390	373	385	310	385	419	402	385	377	353	339	208	204	174	263	347	428	442	436	293	366	355	
22 Q	428	402	417	385	400	288	411	462	470	487	496	449	381	364	295	322	322	356	385	440	470	474	432	415	406	
23	402	406	385	381	381	390	387	387	391	381	390	390	310	178	250	229	-003	123	221	265	282	263	356	313		
24	423	421	394	419	423	402	430	457	453	432	423	423	402	322	208	062	100	036	390	411	470	355	378	468	367	
25	481	489	428	398	425	417	402	400	396	394	381	377	327	307	327	327	339	335	368	385	394	398	400	406	387	
26	394	390	394	390	390	385	392	394	398	398	404	398	432	411	404	455	421	396	635	656	483	419	436	417	429	
27	385	381	366	368	370	381	398	404	415	415	419	421	457	508	468	229	165	248	165	132	151	301	310	347	342	
28	360	364	385	415	445	419	440	425	445	466	455	436	428	381	320	267	-041	090	373	195	314	293	271	305	344	
29	343	351	402	390	390	415	434	419	440	457	485	440	453	327	278	239	451	052	237	305	322	161	297	373	353	
30	402	373	356	373	362	415	455	419	415	402	415	394	368	301	246	145	295	151	379	402	468	351	187	288	348	
31																										
Mean	378	383	385	385	401	400	419	421	421	419	409	402	393	357	306	268	248	248	317	339	356	343	325	364	362	

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 38 Baker Lake

April 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	093	093	051	069	099	119	122	128	152	164	188	164	176	188	176	194	203	188	245	170	277	206	110	104	153	
2 D	081	069	042	027	051	042	069	101	104	164	200	176	-197	200	203	218	206	209	206	194	224	206	182	164	147	
3	098	096	051	051	069	084	101	146	182	182	167	182	200	188	188	194	188	188	212	247	206	236	200	152	168	
4 D	128	104	045	078	093	110	122	149	170	212	200	188	191	240	306	272	280	359	372	191	128	146	084	027	175	
5	069	042	051	-015	060	098	134	170	176	182	212	236	224	230	259	247	298	319	308	385	399	310	177	146	198	
6	098	051	075	107	104	096	060	116	133	146	200	182	194	212	224	253	280	206	250	134	134	122	134	087	150	
7	101	122	063	048	081	101	146	140	158	152	188	170	176	215	259	307	262	265	206	256	250	212	182	158	176	
8	161	134	069	081	122	146	155	149	152	167	164	176	188	191	206	230	242	116	128	236	218	230	182	146	166	
9	110	093	063	093	093	119	140	146	155	158	161	170	170	170	170	164	182	215	253	227	218	212	182	140	159	
10 Q	140	161	164	161	161	164	164	164	182	185	182	176	185	194	194	188	170	182	164	164	218	289	221	182	181	
11 Q	176	143	122	110	116	128	152	158	164	170	176	182	176	182	200	206	182	170	158	146	137	155	158	155	159	
12 Q	152	158	164	155	149	152	152	158	183	194	188	188	182	194	194	176	182	206	200	254	218	254	230	188	186	
13 Q	128	146	152	142	146	158	164	170	185	182	182	188	191	188	188	182	176	188	182	247	239	224	200	164	180	
14	152	161	152	152	144	122	122	170	174	170	204	187	187	221	247	308	180	200	269	225	191	178	161	126	183	
15	087	104	048	098	122	116	128	140	176	146	182	170	200	236	247	247	182	212	224	212	247	191	152	122	166	
16 D	057	065	079	079	096	079	092	109	039	144	152	126	152	212	217	321	291	273	225	317	204	152	161	118	157	
17 D	015	-009	003	087	093	110	128	158	158	164	164	209	212	224	253	355	328	373	379	331	140	113	075	101	174	
18 D	087	036	-099	-018	066	137	140	143	140	161	140	188	245	262	253	301	349	361	259	331	262	218	158	078	175	
19	093	021	087	101	093	081	164	173	158	176	206	182	182	233	265	280	265	209	206	337	325	161	104	149	182	
20	152	116	090	033	018	018	128	146	146	164	170	179	215	230	254	224	200	243	200	265	236	200	167	158	165	
21	140	134	104	093	087	098	072	134	176	185	182	146	191	230	212	247	247	259	200	176	242	242	158	122	170	
22 Q	158	134	128	125	087	066	087	087	119	104	176	194	206	188	206	200	182	182	188	188	206	206	158	146	155	
23	140	146	152	146	152	152	152	164	176	182	134	170	218	236	265	277	200	122	152	152	124	104	146	167		
24	104	087	054	033	075	063	093	116	134	128	134	146	170	176	206	242	265	170	197	245	146	131	164	140	142	
25	113	110	057	021	069	116	140	152	170	170	182	194	194	188	179	176	182	146	146	137	134	146	146	140	142	
26	137	140	149	149	149	155	164	167	170	176	176	170	182	206	158	188	236	206	379	438	349	239	170	146	200	
27	140	152	140	140	143	146	143	158	176	182	170	170	176	179	218	259	248	304	265	063	128	277	188	167	181	
28	081	081	054	039	051	098	104	116	149	146	104	128	164	176	277	340	319	247	498	247	259	218	206	152	177	
29	087	069	-021	030	027	098	146	131	122	146	122	155	206	236	247	209	307	233	218	247	349	206	167	182	163	
30	093	027	-009	024	039	087	164	158	161	185	134	197	182	218	250	289	307	280	295	236	283	230	081	087	167	
31																										
Mean	112	104	078	083	099	109	128	144	154	166	173	175	190	208	223	243	241	230	238	233	224	201	159	136	169	

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

Table 39 Baker Lake

60,000  $\gamma$  +

April 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	163	225	257	257	288	304	330	382	369	346	337	356	416	529	539	576	353	346	204	225	201	210	204	110	314	
2 D	129	189	210	283	301	330	335	503	471	398	471	529	440	379	408	429	367	325	264	288	247	226	270	278	336	
3	257	267	283	306	311	335	414	367	353	351	348	353	358	369	398	408	377	414	361	158	156	120	106	171	306	
4 D	262	278	322	314	322	346	426	382	369	379	426	445	450	429	518	780	660	539	424	403	367	311	241	153	398	
5	171	231	270	294	293	314	387	471	450	398	393	414	508	487	367	395	492	471	438	328	237	164	182	221	349	
6	220	225	220	278	290	309	346	346	351	358	390	440	390	364	424	523	602	387	335	199	225	173	254	173	326	
7	100	184	251	293	346	325	330	335	351	367	382	429	440	482	473	500	523	435	259	137	220	200	137	198	321	
8	257	278	290	299	299	309	314	314	322	358	361	367	377	382	387	398	361	293	267	241	204	108	078	086	290	
9	121	189	246	278	299	304	309	311	316	319	330	335	335	346	356	332	319	314	248	217	194	186	189	170	273	
10 Q	225	259	301	314	316	314	314	316	316	319	325	335	356	356	346	319	327	356	299	327	299	208	148	240	301	
11 Q	272	285	283	278	288	314	309	319	316	332	319	332	340	372	346	327	311	306	309	293	283	257	278	283	306	
12 Q	288	288	288	290	288	293	283	288	283	309	340	335	346	330	314	325	356	398	364	364	272	189	178	246	302	
13 Q	272	278	293	288	301	304	299	304	314	309	314	319	335	327	351	351	374	377	346	372	309	272	246	246	313	
14	238	238	252	248	241	251	323	246	220	218	248	413	368	426	401	285	352	275	113	109	088	146	174	162	251	
15	178	204	233	288	364	306	314	489	508	476	382	390	427	518	568	435	320	310	221	231	210	189	173	168	329	
16 D	194	160	178	204	214	238	277	379	257	233	379	487	431	384	325	243	185	435	160	264	143	264	255	190	270	
17 D	189	204	231	262	304	361	405	372	497	476	408	377	408	471	482	513	638	497	377	170	142	257	231	095	349	
18 D	147	225	346	325	333	361	398	408	424	382	535	565	461	566	691	623	393	419	235	163	142	155	267	194	365	
19	194	257	269	293	335	346	435	367	311	429	548	513	455	466	569	532	503	330	267	147	126	175	164	054	339	
20	163	244	268	314	414	408	361	387	372	340	314	361	358	458	607	458	340	251	272	153	173	137	105	251	313	
21	293	299	304	293	320	356	364	361	361	377	372	414	393	367	398	476	435	335	272	272	189	147	090	105	316	
22 Q	186	293	293	299	319	424	435	387	348	351	432	421	351	351	379	312	294	299	312	289	251	229	274	302	326	
23	304	293	299	304	304	304	304	309	319	316	316	356	419	515	587	523	534	482	231	215	220	241	225	064	333	
24	064	163	236	262	283	314	319	367	377	361	353	377	463	545	579	560	476	228	241	153	142	090	142	119	301	
25	184	225	257	293	296	309	319	327	327	337	356	393	414	408	377	384	325	309	309	290	293	299	278	299	317	
26	299	301	399	306	304	309	306	309	309	314	322	335	358	403	429	476	440	560	275	251	150	035	173	231	316	
27	251	278	293	293	306	309	319	361	351	332	325	361	382	372	415	372	217	257	315	200	224	035	042	090	279	
28	132	178	231	278	299	301	314	319	372	435	408	393	435	655	622	738	570	079	126	293	267	272	153	095	332	
29	058	170	210	209	309	330	356	361	356	382	382	432	508	455	424	393	560	421	168	048	043	069	032	092	285	
30	148	189	262	319	278	330	382	361	356	398	379	379	429	484	513	528	450	332	190	184	226	037	098	085	306	
31																										
Mean	199	237	266	287	305	322	344	358	356	357	373	399	405	433	453	450	415	359	277	233	208	180	180	172	315	



**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 40 Baker Lake

3,500  $\gamma$  +

May 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	349	331	368	387	408	413	387	392	417	387	411	404	353	322	259	246	240	250	335	339	345	303	254	364	343
2	404	368	343	358	404	438	438	430	394	383	373	360	343	331	308	280	288	305	320	349	362	314	385	430	363
3	394	434	394	381	368	375	375	375	377	387	394	385	316	312	329	320	318	327	366	400	368	368	392	404	369
4	396	411	383	408	400	370	413	434	440	417	419	413	362	345	297	278	364	368	364	381	423	377	316	383	382
5	479	423	383	398	392	392	396	419	411	396	383	364	379	341	293	316	263	297	261	362	373	288	252	409	361
6	459	400	398	385	390	398	396	406	402	398	385	364	356	343	269	299	320	362	379	411	423	464	436	449	387
7 Q	472	462	428	411	377	390	400	398	398	398	385	406	385	381	343	327	335	331	373	390	442	540	525	468	407
8	417	400	411	408	404	402	402	425	453	421	419	398	364	366	468	445	373	341	385	465	465	387	320	383	405
9	432	402	390	392	406	417	423	430	394	387	383	417	404	364	345	325	303	322	335	381	417	472	551	551	401
10	502	434	419	411	406	432	453	470	464	489	487	515	527	536	474	438	335	246	303	491	406	455	394	432	438
11	430	394	381	379	385	390	419	432	470	489	489	479	442	394	377	493	327	368	470	487	502	486	449	432	432
12	400	394	381	379	385	381	391	408	421	413	430	432	421	432	299	216	387	306	235	237	208	214	282	311	348
13 D	354	402	402	389	408	413	417	440	434	444	489	421	404	297	248	303	593	265	248	468	222	205	320	333	371
14 D	348	320	387	348	375	398	427	451	448	427	436	398	371	398	365	311	121	132	290	109	197	210	261	269	325
15	284	345	408	413	438	455	434	446	408	389	434	404	391	351	227	117	280	248	227	328	402	434	316	301	353
16	320	330	360	385	390	385	385	400	430	420	420	395	355	300	275	115	238	225	350	380	470	390	485	420	359
17	415	390	330	410	430	415	405	420	405	400	400	390	425	365	250	-005	020	280	495	425	355	295	345	325	349
18	330	390	430	495	445	405	400	430	495	450	390	270	295	280	235	140	170	155	410	410	400	445	385	425	362
19	425	400	395	410	365	380	405	425	415	430	415	405	395	360	350	285	310	305	295	445	465	395	370	420	386
20 Q	420	410	385	385	375	365	375	375	395	400	390	370	335	295	245	285	305	295	345	405	450	455	485	355	371
21	310	325	360	400	380	380	385	380	405	420	400	385	380	340	320	275	305	340	370	400	400	425	420	415	372
22 Q	415	415	405	380	380	375	385	385	390	390	385	385	415	405	325	200	220	315	335	375	440	475	515	435	381
23 Q	415	395	385	405	410	390	395	395	400	410	395	390	385	365	295	330	315	310	340	385	445	500	435	425	388
24 Q	415	405	390	390	380	390	390	400	420	435	450	460	465	460	350	320	320	340	345	390	400	410	435	410	399
25	405	400	395	390	395	395	395	390	400	400	405	490	370	330	320	315	325	305	345	405	445	385	265	490	382
26 D	445	420	365	390	400	390	395	400	475	450	505	555	435	335	485	010	-155	-230	375	460	475	260	290	370	346
27	350	325	405	405	380	400	390	385	380	385	445	480	365	215	185	285	225	255	185	110	100	225	280	360	313
28	295	425	420	410	415	440	445	445	435	420	415	370	350	290	115	025	-020	310	290	245	240	270	335	410	325
29 D	310	240	385	425	440	440	500	515	540	545	585	545	455	475	115	-245	115	-085	355	620	375	465	455	475	377
30	465	405	330	355	365	365	380	400	395	420	385	325	285	275	210	065	220	325	330	350	275	215	300	335	324
31 D	390	385	370	405	445	425	440	435	435	440	445	490	475	465	295	265	245	140	175	085	065	065	085	140	317
Mean	395	386	387	396	396	400	408	417	424	421	424	415	387	357	299	238	258	260	330	371	366	361	365	391	369

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 41 Baker Lake

May 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	096	075	045	081	015	110	152	152	140	137	149	164	200	206	242	259	283	242	355	298	268	185	160	146	173
2	140	075	030	009	042	096	098	096	143	170	182	182	194	200	188	197	176	200	212	256	283	176	176	170	154
3	140	131	134	104	060	122	149	155	158	152	140	152	188	212	206	182	170	188	170	176	236	200	203	158	162
4	128	158	146	119	107	081	110	131	158	140	146	158	206	242	230	233	185	188	164	149	233	250	218	182	169
5	146	096	057	075	134	149	146	140	158	164	191	197	212	215	212	197	239	271	274	274	242	191	116	134	176
6	090	039	051	096	113	107	122	137	152	158	185	185	200	197	191	200	182	182	170	200	239	179	218	200	158
7 Q	155	155	146	116	098	104	122	137	134	155	176	209	191	179	200	179	155	140	131	128	212	259	245	203	164
8	170	137	146	149	140	146	152	164	176	185	194	185	218	209	224	212	191	140	146	239	283	176	164	209	181
9	161	140	134	143	149	152	161	164	176	179	191	185	188	203	206	182	164	155	164	119	161	194	283	239	175
10	140	098	158	149	146	116	119	125	143	164	188	200	265	262	209	277	230	247	176	394	203	233	191	209	193
11	170	149	146	146	152	158	146	113	125	170	170	215	212	212	164	206	203	236	277	289	298	230	185	170	189
12	155	152	146	146	146	143	155	164	176	176	173	191	230	227	256	218	230	215	200	310	212	122	146	134	184
13 D	116	137	131	122	134	140	119	134	143	149	149	167	218	218	253	277	349	355	313	420	098	212	110	048	188
14 D	-130	-098	003	116	128	149	110	164	140	134	164	191	224	224	286	346	301	242	295	212	176	125	119	-003	151
15	-176	048	-018	-021	009	084	101	093	116	140	191	155	188	206	221	286	265	414	426	286	155	179	152	090	150
16	069	-015	012	066	101	116	110	134	164	143	173	185	194	197	197	298	319	283	122	101	265	158	200	149	156
17	155	146	-009	027	060	096	113	122	116	116	182	161	167	265	283	242	242	203	396	313	206	137	110	084	164
18	116	-009	042	042	098	122	128	140	185	143	125	143	212	259	233	298	334	340	286	268	203	176	200	149	176
19	182	170	149	131	033	021	066	137	167	197	197	218	233	221	280	304	265	256	301	295	224	197	155	170	190
20 Q	155	152	137	145	149	164	173	173	145	155	170	188	197	245	245	227	209	230	227	236	250	197	119	119	186
21	113	087	093	090	116	140	167	167	179	173	194	212	242	239	218	212	182	179	170	155	164	188	185	185	169
22 Q	197	191	170	152	167	173	182	188	191	191	206	212	203	256	301	262	212	164	176	212	253	236	289	194	207
23 Q	197	155	145	134	122	170	188	200	194	200	215	233	224	247	271	242	218	200	212	170	247	289	209	194	203
24 Q	194	194	182	182	182	182	185	188	188	182	194	212	227	250	277	227	200	191	173	161	161	167	197	191	195
25	191	191	188	182	179	179	185	191	191	197	209	242	245	253	256	239	209	268	262	239	239	268	104	140	210
26 D	101	042	039	084	110	145	158	182	152	233	230	218	227	215	301	452	532	188	218	230	224	194	236	179	204
27	158	104	119	145	145	145	145	134	140	194	152	212	218	286	331	250	295	331	340	236	149	110	176	090	192
28	057	-027	-012	033	081	116	145	134	167	203	209	200	212	230	295	346	307	271	274	283	236	140	152	164	176
29 D	030	-045	-009	-039	093	110	060	042	140	233	170	179	221	361	419	550	307	310	343	316	253	301	259	271	203
30	221	152	096	027	051	069	104	104	140	191	185	188	209	224	242	271	227	274	295	313	247	176	224	185	184
31 D	140	104	075	-052	045	084	098	107	122	107	137	152	182	236	337	253	253	538	693	628	404	221	021	054	206
Mean	122	099	093	094	107	125	134	142	155	169	179	190	211	232	251	262	246	246	259	255	227	196	180	155	180

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

Table 42 Baker Lake

60,000  $\gamma$  +

May 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	147	181	196	268	383	363	332	327	358	511	496	403	427	416	432	416	466	245	235	065	101	142	117	040	297	
2	170	196	260	306	322	368	389	389	363	373	342	350	353	329	319	348	286	271	268	163	137	136	158	225	284	
3	306	293	291	306	378	327	324	322	327	327	342	380	445	342	301	312	296	296	317	296	153	137	147	158	297	
4	175	219	298	288	288	319	329	337	399	373	375	414	409	389	332	296	276	291	281	276	173	096	096	-012	276	
5	060	173	211	245	271	301	314	355	358	339	337	322	312	303	303	286	271	262	106	189	106	130	-001	-068	228	
6	042	173	194	255	276	298	314	322	317	322	327	339	345	353	455	363	276	250	276	240	096	050	055	035	249	
7 Q	096	191	232	242	276	298	296	303	303	301	312	298	317	363	389	368	342	322	293	281	296	291	191	194	283	
8	255	271	273	278	291	291	298	293	324	350	334	355	360	394	445	445	458	355	317	360	240	190	170	226	316	
9	259	303	323	339	336	339	339	346	349	354	354	354	367	398	405	400	375	344	349	352	357	341	226	200	338	
10	154	221	262	303	349	375	421	447	408	377	385	482	508	421	439	482	431	421	239	308	246	287	149	144	344	
11	267	308	321	334	334	339	342	421	488	488	457	405	385	431	488	513	400	493	452	390	311	285	316	334	388	
12	344	339	321	332	335	340	335	347	368	381	363	369	401	432	478	412	581	468	335	243	278	222	201	017	343	
13 D	037	140	253	294	296	304	332	369	432	453	399	399	504	532	566	725	647	548	278	253	-024	165	217	201	347	
14 D	176	124	181	283	330	345	350	422	427	401	417	478	468	594	581	602	504	214	206	121	096	101	234	183	327	
15	084	155	250	355	396	401	407	391	440	417	350	360	442	497	694	499	437	396	294	217	273	130	124	168	341	
16	212	157	181	278	294	321	345	350	348	509	478	422	420	473	565	632	627	442	319	304	237	245	260	248	361	
17	248	270	275	350	371	345	337	342	369	376	381	404	442	576	766	756	494	499	504	289	130	063	104	135	368	
18	171	217	227	248	321	321	324	345	369	366	484	519	456	437	463	437	412	299	425	379	201	155	155	109	327	
19	253	278	301	306	376	478	463	376	376	366	396	399	432	437	423	291	242	273	206	214	222	089	147	227	315	
20 Q	135	155	195	226	287	308	318	323	331	334	415	431	428	369	341	285	277	287	292	277	221	241	177	131	283	
21	182	182	195	223	280	308	323	328	321	346	356	359	362	336	349	364	313	308	316	321	321	311	290	293	304	
22 Q	300	290	342	332	350	369	363	369	371	379	386	376	420	468	471	453	355	340	316	353	381	340	183	155	352	
23 Q	196	217	253	294	350	335	340	337	337	350	353	355	369	407	386	319	321	335	386	337	348	286	283	309	325	
24 Q	314	314	306	314	314	316	319	319	319	330	340	358	417	442	366	283	289	294	299	299	309	311	314	314	325	
25	309	304	304	309	319	316	319	314	321	330	342	360	348	340	319	289	299	275	283	280	278	104	068	-076	277	
26 D	-019	119	196	217	242	263	304	327	301	332	358	404	448	576	653	1089	984	186	222	227	155	068	109	099	327	
27	176	212	212	265	301	314	330	335	350	404	407	422	627	504	427	407	263	201	258	217	250	245	217	042	308	
28	160	227	258	278	311	396	427	417	391	371	391	381	458	519	519	535	232	304	227	188	196	201	198	253	327	
29 D	196	245	222	309	327	342	381	471	396	407	489	468	617	899	873	673	519	273	314	735	525	412	340	314	448	
30	309	330	299	309	283	294	332	366	374	442	461	471	473	494	499	420	283	309	283	196	104	160	104	088	320	
31 D	119	171	242	376	327	340	350	365	355	386	410	458	648	740	586	381	340	484	468	417	399	340	258	196	382	
Mean	188	225	254	292	320	331	345	357	364	380	388	399	433	458	472	454	397	318	302	283	230	202	181	157	323	

NORTH COMPONENT OF HORIZONTAL INTENSITY  
 Mean values for periods of sixty minutes, Universal Times

Table 43 Baker Lake

3,500  $\gamma$  +

June 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	233	278	381	400	392	470	462	487	462	472	449	428	468	466	466	368	131	204	605	356	127	297	325	356	379	
2	411	428	301	358	406	415	442	476	430	394	389	327	314	470	453	329	318	221	322	335	411	417	432	434	385	
3 Q	430	415	400	392	385	373	402	423	449	483	517	566	532	551	451	368	301	368	322	351	392	406	417	421	421	
4 Q	421	428	402	415	442	436	423	447	445	445	470	455	430	377	331	318	280	318	360	379	392	406	411	408	402	
5	411	421	381	377	392	413	421	436	462	462	472	491	489	457	345	394	457	453	385	364	368	449	417	430	423	
6	415	408	385	402	406	430	411	496	451	468	510	508	425	368	325	286	305	265	328	402	343	165	250	276	376	
7 D	316	216	218	406	493	500	487	529	546	542	593	566	564	517	529	514	517	555	496	423	546	487	457	449	478	
8	447	436	381	390	402	402	419	385	436	472	481	474	402	390	320	310	267	276	297	290	373	432	413	293	383	
9	174	423	423	402	402	419	487	474	455	483	476	459	432	343	349	263	233	280	373	377	170	178	204	242	397	
10	248	305	381	347	491	476	428	404	415	423	381	370	339	297	191	187	297	267	250	221	233	233	157	293	318	
11	333	385	343	419	474	406	402	432	421	423	423	347	271	250	305	216	178	297	364	411	310	225	293	318	344	
12	385	398	434	432	432	419	421	438	430	379	377	364	358	288	310	246	398	297	329	325	445	438	453	457	386	
13	440	408	385	371	428	421	436	400	392	358	368	392	362	337	339	310	301	297	379	379	398	445	360	447	381	
14	470	440	415	394	394	379	390	408	411	377	368	362	335	329	322	316	331	341	345	271	267	385	256	221	355	
15	424	457	457	440	380	423	428	467	518	518	441	406	380	324	250	210	268	281	344	371	397	436	441	449	396	
16	434	392	390	385	387	413	411	436	462	479	485	481	423	381	199	206	293	318	381	415	419	432	440	453	396	
17 Q	381	389	423	408	385	394	398	389	389	402	406	398	324	282	305	343	331	343	360	394	491	468	453	459	388	
18 Q	453	417	404	398	392	385	389	402	408	398	375	360	353	320	212	157	271	297	312	347	370	322	307	389	352	
19	415	413	411	400	413	408	406	402	404	392	402	385	314	259	221	271	240	267	333	406	449	453	423	385	370	
20 Q	381	464	379	402	390	392	392	387	379	383	400	398	345	327	310	322	333	364	381	398	447	496	351	331	381	
21 D	436	398	343	428	445	411	432	438	487	457	476	512	293	276	-009	-295	-236	085	111	319	021	208	250	349	276	
22	349	385	381	415	389	466	479	428	428	440	440	419	415	327	265	191	237	345	402	474	529	356	193	274	376	
23	305	327	370	457	479	506	498	425	432	415	423	417	406	335	293	193	263	288	364	428	430	449	457	406	390	
24	411	329	341	335	432	447	447	457	455	432	411	394	428	364	229	-159	084	343	394	385	293	360	308	339	344	
25	335	396	360	318	406	404	390	398	434	445	314	442	366	329	318	237	206	256	354	345	462	423	425	327	362	
26	320	377	392	415	423	434	428	417	402	381	385	398	356	303	246	212	288	290	351	360	389	447	423	406	368	
27	385	373	364	373	400	428	426	426	404	411	411	370	276	244	278	291	327	345	370	449	447	331	273	335	364	
28 D	392	440	442	423	491	445	440	470	430	383	389	314	310	305	212	093	080	212	-021	157	-021	055	029	148	276	
29 D	208	445	423	487	525	518	546	555	538	530	653	602	657	797	644	657	623	895	895	777	632	521	623	593	598	
30	474	466	432	459	423	415	396	408	455	457	464	468	430	408	411	379	337	333	261	318	353	436	500	449	414	
31																										
Mean	375	395	385	402	423	428	431	438	441	437	438	429	393	367	314	263	275	323	358	374	363	372	358	371	381	

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 44 Baker Lake

June 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	116	051	-067	030	145	104	075	158	262	218	227	209	227	230	283	274	307	361	491	443	259	218	179	176	207	
2	155	066	054	024	030	021	054	164	125	128	164	107	104	277	367	389	413	325	176	164	152	170	200	206	168	
3 Q	209	200	176	170	173	170	179	176	188	176	176	155	203	259	265	209	224	173	194	143	170	185	197	206	191	
4 Q	206	194	170	158	145	176	186	200	203	203	197	242	233	239	239	239	200	215	182	170	173	179	182	185	197	
5	191	194	176	176	164	176	158	173	179	182	209	218	239	277	245	185	286	200	203	182	170	212	191	182	199	
6	197	197	185	176	164	145	148	173	167	206	233	188	247	247	233	242	206	253	268	277	313	173	200	182	209	
7 D	098	-326	-147	101	051	069	140	208	208	236	188	277	280	307	280	343	331	295	239	337	395	313	295	247	199	
8	188	185	164	152	170	176	191	134	137	194	218	215	224	247	242	203	200	230	395	313	212	245	218	164	209	
9	-012	090	110	101	104	096	113	131	119	170	191	236	228	283	298	319	313	212	301	349	307	316	227	170	199	
10	119	-003	-021	036	078	098	152	161	173	179	155	137	250	247	274	383	271	395	369	259	233	179	125	158	184	
11	118	107	042	039	096	140	158	107	149	155	173	158	203	259	283	295	367	176	295	277	256	152	194	140	181	
12	155	161	170	140	063	078	110	145	155	116	131	209	194	295	289	289	256	307	313	301	337	233	245	203	204	
13	164	179	152	110	098	069	122	149	170	218	224	236	239	233	224	221	250	319	212	191	277	188	170	197	192	
14	170	170	164	167	158	128	119	101	116	176	218	182	253	274	245	233	206	179	274	367	224	206	116	078	189	
15	215	172	146	103	035	010	017	085	172	210	228	258	232	237	245	245	254	215	194	177	189	198	198	215	177	
16	176	142	152	142	128	128	090	066	113	149	149	164	164	212	280	277	209	268	322	182	203	197	206	212	180	
17 Q	194	194	182	164	087	093	134	164	179	170	176	182	221	253	253	218	212	191	176	197	256	230	200	176	188	
18 Q	191	185	179	179	173	170	167	179	197	200	206	227	247	245	242	259	224	247	304	298	292	212	155	143	213	
19	179	173	164	140	140	158	170	179	167	182	218	215	250	283	262	256	301	239	173	271	221	188	161	161	202	
20 Q	125	107	134	155	170	170	191	188	176	191	203	197	218	239	242	212	191	185	173	158	194	182	131	155	179	
21 D	152	093	012	-003	027	060	145	101	137	137	145	140	191	292	389	413	407	521	314	616	039	158	176	137	200	
22	-061	066	-024	-125	-117	069	113	170	140	134	173	224	242	280	301	295	262	236	239	367	277	224	113	164	157	
23	104	107	039	063	024	090	128	176	206	185	215	209	209	247	280	274	212	268	271	224	218	188	200	185	180	
24	125	090	081	063	051	081	087	170	173	173	173	194	221	256	250	301	218	259	343	328	277	247	200	200	190	
25	145	125	057	-081	027	125	149	167	152	167	090	212	262	259	194	233	268	328	413	355	337	179	227	164	190	
26	134	152	116	145	140	081	093	140	182	194	218	212	250	250	256	245	209	265	152	212	176	215	218	200	186	
27	140	158	158	134	125	128	158	161	197	176	191	233	259	280	277	236	194	197	194	253	304	224	185	182	198	
28 D	176	167	122	066	048	101	125	113	158	131	087	164	259	301	277	367	313	367	485	693	313	277	137	087	222	
29 D	-093	-272	-207	-034	015	045	075	164	179	250	197	268	212	307	419	313	361	367	479	479	295	374	425	289	204	
30	197	170	173	149	188	191	188	206	194	185	209	242	242	194	242	230	215	218	215	137	176	242	289	212	204	
31																										
Mean	139	110	094	095	097	112	131	154	169	180	186	204	227	260	273	273	263	267	279	291	241	217	199	179	193	

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

Table 45 Baker Lake

60,000  $\gamma$  +

June 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	192	198	261	269	281	328	429	386	392	368	432	409	461	487	469	441	345	281	562	357	200	146	123	220	335	
2	240	221	239	242	295	357	362	451	433	444	447	535	902	817	780	743	732	598	451	374	345	330	368	330	459	
3 Q	333	319	348	362	351	360	354	365	351	360	377	395	454	510	482	406	603	466	484	362	301	333	357	337	391	
4 Q	322	301	316	310	336	360	351	362	351	351	380	380	426	435	472	489	415	357	345	333	316	313	322	328	358	
5	342	328	330	333	330	345	374	362	377	362	371	383	438	397	392	502	561	469	386	310	342	316	333	319	375	
6	322	322	330	322	339	354	362	418	380	412	386	392	444	386	403	409	357	365	403	188	129	165	-044	039	316	
7 D	061	227	264	275	313	368	426	429	479	424	535	469	451	409	406	490	570	586	596	618	466	328	304	258	407	
8	275	284	310	322	357	368	383	397	418	357	345	409	485	485	415	389	392	362	261	165	293	269	103	159	333	
9	027	072	177	208	255	316	461	496	473	438	418	432	467	502	575	645	482	252	287	177	103	143	115	109	318	
10	171	174	220	281	339	354	360	368	374	450	508	581	479	505	570	441	360	325	246	177	154	197	120	062	326	
11	140	171	197	258	345	322	328	336	351	362	406	534	550	531	485	380	301	336	345	278	109	109	226	304	321	
12	298	298	293	310	368	383	374	377	438	502	542	461	473	453	389	345	522	281	165	126	202	171	143	171	337	
13	159	205	266	301	412	421	351	362	360	362	342	348	351	330	336	328	304	316	345	310	151	159	144	170	297	
14	208	188	217	243	272	290	333	371	377	365	357	406	383	386	339	319	298	304	246	122	039	027	027	-114	250	
15	020	200	220	200	230	200	480	440	360	355	355	355	360	375	415	300	265	315	330	330	325	320	320	310	312	
16	236	221	254	277	298	316	486	486	392	386	410	525	538	544	547	392	310	345	339	239	186	239	262	195	351	
17 Q	183	198	215	245	298	301	304	316	330	342	348	392	360	372	372	354	274	316	280	154	127	233	280	259	286	
18 Q	227	268	289	301	304	307	321	327	336	339	357	392	360	372	372	354	274	316	280	154	127	118	151	189	285	
19	236	262	268	280	289	301	313	316	318	345	363	400	469	430	404	286	277	283	259	162	195	145	162	127	287	
20 Q	248	242	204	245	298	304	310	310	324	316	333	345	379	377	310	274	274	259	277	283	257	168	036	086	269	
21 D	133	139	186	212	254	274	286	316	357	360	436	586	675	528	940	940	345	168	067	013	133	-038	045	101	310	
22	204	192	236	469	475	363	357	377	475	442	408	416	466	504	489	380	321	351	310	162	198	033	106	098	326	
23	118	159	221	298	422	386	357	345	345	348	342	386	433	427	442	398	310	298	230	262	221	236	198	227	309	
24	177	183	230	259	304	336	336	380	366	389	433	436	560	804	751	572	233	248	204	068	068	009	027	151	313	
25	239	215	221	274	257	313	318	327	345	501	645	510	472	422	516	404	304	419	339	157	162	271	109	168	330	
26	189	162	157	204	245	295	339	345	351	342	336	360	374	392	480	357	286	268	301	301	301	277	092	180	289	
27	189	207	262	274	289	316	319	327	351	333	357	416	454	419	307	289	274	277	277	215	042	042	092	033	265	
28 D	106	204	215	271	336	289	301	330	374	377	407	525	383	313	413	369	221	109	139	115	224	106	098	121	264	
29 D	118	233	254	271	324	401	466	410	374	357	525	460	551	575	469	454	380	533	640	822	781	445	233	239	430	
30	254	316	277	307	304	327	336	336	316	339	348	377	377	386	504	398	339	262	533	295	324	339	271	280	339	
31																										
Mean	199	224	249	280	317	335	363	372	376	381	409	434	466	463	472	422	365	335	332	260	230	199	170	182	327	

NORTH COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Times

Table 46 Baker Lake

3,500 γ +

July 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	440	449	462	470	442	457	428	487	489	498	500	523	508	468	402	379	383	335	351	379	479	479	425	449	445
2 Q	428	421	406	385	408	415	413	432	453	468	464	491	508	491	415	387	290	263	318	423	615	659	674	632	452
3	542	428	392	413	360	390	406	451	466	468	430	510	530	444	498	530	415	385	423	581	615	564	483	404	464
4	406	364	408	430	413	432	419	470	428	491	496	502	517	498	453	428	449	430	459	529	440	517	474	544	458
5	504	423	373	394	408	440	447	457	442	449	498	483	462	464	464	404	297	252	331	402	430	610	470	533	434
6 Q	502	496	449	398	406	381	373	383	381	381	400	419	411	428	440	322	250	202	276	318	323	351	378	388	377
7	430	447	428	404	347	353	411	436	449	491	455	438	314	212	199	267	341	293	322	390	402	375	210	337	365
8 D	316	314	347	383	379	360	470	555	281	281	448	700	150	113	802	790	790	010	140	-143	231	-323	-116	112	335
9 D	229	259	221	337	432	459	445	479	487	530	530	572	593	580	615	661	593	546	273	282	349	364	457	377	445
10	248	301	390	337	356	354	394	413	415	408	408	426	468	404	301	322	312	341	199	254	318	362	327	375	351
11	337	358	373	385	366	368	368	406	428	438	428	370	398	406	275	182	259	293	390	370	440	235	284	327	354
12	385	398	408	408	398	392	394	430	498	368	533	500	485	493	514	524	379	632	657	310	440	491	447	413	454
13	421	411	375	263	432	453	305	419	434	453	474	423	519	498	345	394	462	269	343	415	398	447	476	451	412
14	438	466	449	419	347	398	428	428	462	487	493	504	457	415	419	411	339	351	470	519	585	512	453	447	447
15 Q	425	417	415	385	415	428	434	434	442	449	457	496	536	487	428	453	419	368	454	546	527	546	462	472	454
16 Q	466	406	392	406	404	425	440	440	438	428	421	402	383	394	237	316	286	269	314	415	316	261	265	329	369
17	441	402	420	424	471	355	484	437	411	417	372	350	373	346	337	337	346	359	385	415	463	523	584	618	419
18 D	496	457	447	479	411	415	417	487	385	445	447	406	358	301	353	269	187	320	216	269	329	385	327	373	374
19	442	459	421	392	324	425	432	195	373	411	377	366	356	318	290	310	293	343	381	425	223	218	239	327	348
20	413	339	339	440	404	385	398	442	385	423	415	396	432	421	521	425	356	324	364	373	415	282	428	447	399
21 D	457	445	377	377	440	438	466	432	421	385	396	385	360	358	261	178	221	039	-231	011	234	616	988	523	357
22	519	487	438	466	459	411	415	413	442	500	517	540	496	373	533	442	339	390	398	457	406	417	406	428	446
23 Q	396	394	396	394	387	385	396	390	390	390	379	402	353	307	299	331	343	353	370	368	406	483	493	436	385
24	453	398	377	400	408	410	406	402	398	398	379	392	373	364	237	221	229	276	170	271	381	449	479	413	362
25	457	447	400	404	411	425	457	451	423	485	485	481	483	406	339	244	182	301	267	333	197	320	288	293	374
26	356	419	406	440	432	404	415	436	423	445	447	419	419	377	305	276	254	263	339	421	512	510	512	496	405
27 D	472	434	404	419	402	474	483	470	538	521	474	504	474	242	008	-219	-173	-084	-005	055	119	242	256	295	284
28	343	347	442	436	413	413	413	396	385	387	402	400	394	351	343	314	312	337	366	381	379	406	421	442	384
29	430	411	423	396	383	381	383	387	390	398	398	396	387	347	331	329	339	349	379	390	428	457	502	546	398
30	457	453	417	398	411	419	462	466	455	479	491	485	485	493	508	564	398	491	481	483	390	398	455	529	461
31	502	476	415	417	411	447	438	447	466	483	472	533	517	462	415	415	610	301	364	392	358	500	566	575	458
Mean	424	411	400	403	403	409	420	431	429	440	448	458	437	397	384	362	341	310	318	354	390	410	425	430	401

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 47 Baker Lake

July 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	145	036	078	081	149	176	081	122	164	188	197	158	242	247	277	295	239	179	242	247	295	319	230	218	192
2 Q	203	188	173	155	161	161	176	161	155	131	173	200	230	242	262	265	259	212	259	265	431	473	377	230	231
3	212	185	125	140	137	119	145	200	247	206	182	170	212	182	245	250	343	355	377	337	431	389	283	188	236
4	182	161	176	158	143	155	164	158	096	161	185	145	239	316	349	325	374	413	479	485	473	419	286	289	264
5	215	170	131	170	134	140	170	191	194	197	152	212	247	280	325	289	182	176	212	221	236	485	283	283	221
6 Q	116	164	131	128	140	170	152	167	170	182	191	194	224	224	236	242	242	130	158	153	164	180	202	202	178
7	197	176	194	155	087	054	140	140	197	194	197	188	283	301	289	188	194	367	280	161	239	185	155	198	
8 D	145	061	-001	-004	-007	026	064	067	-516	-145	-265	-086	-138	268	410	665	750	690	810	655	257	-030	158	025	161
9 D	-057	-075	-063	-045	-021	009	024	057	054	090	063	200	145	185	236	182	203	245	110	063	128	194	307	084	097
10	012	027	-030	-018	012	060	057	101	137	185	194	191	203	247	239	224	215	230	325	301	253	239	173	206	158
11	149	101	057	054	087	096	075	072	110	096	119	096	140	185	242	286	259	209	203	331	285	182	128	116	152
12	090	145	135	119	110	143	173	164	143	087	158	247	256	283	295	259	233	409	337	212	325	286	200	203	209
13	179	131	087	-075	116	131	009	101	164	176	158	098	170	242	236	280	286	242	194	218	209	218	250	224	169
14	215	158	152	042	-045	107	145	158	182	158	188	197	203	149	247	289	340	250	283	331	328	397	271	200	206
15 Q	164	164	125	093	122	140	155	173	179	173	191	206	206	280	319	280	283	307	349	397	328	340	236	191	225
16 Q	143	113	122	107	096	104	137	143	149	152	158	170	221	236	227	268	295	259	265	310	212	158	125	152	180
17	116	030	145	155	145	-003	179	185	188	212	164	206	230	230	218	224	191	182	194	218	212	286	265	203	182
18 D	084	006	009	110	084	131	087	090	137	206	185	203	274	265	280	227	349	283	358	215	170	182	116	134	174
19	182	149	155	093	036	104	104	-069	072	179	212	239	256	286	262	250	259	212	247	415	316	247	137	140	187
20	104	057	030	018	100	-042	051	081	107	158	191	188	218	259	328	289	370	262	188	182	245	194	221	245	168
21 D	185	149	104	134	066	069	131	107	173	206	203	247	230	247	271	286	300	353	617	-020	176	530	546	335	235
22	224	119	081	119	158	093	155	173	188	218	203	224	301	200	188	239	236	200	212	307	188	188	176	182	191
23 Q	164	155	155	170	161	164	173	185	173	191	197	179	200	256	239	215	206	194	221	158	161	218	224	197	190
24	152	113	093	098	119	131	143	164	191	167	197	227	173	271	265	274	256	415	173	280	236	200	185	185	196
25	140	137	158	155	158	185	158	134	101	170	224	212	224	247	262	304	364	421	456	385	179	224	200	128	222
26	176	096	093	039	131	149	152	158	167	173	203	197	250	253	268	271	262	224	245	316	334	292	280	242	207
27 D	212	149	069	033	075	045	063	152	134	170	197	206	101	084	313	432	426	403	349	265	224	164	101	131	187
28	081	057	042	104	101	078	143	188	182	200	221	236	233	253	230	218	209	194	188	158	140	137	145	167	163
29	182	179	191	188	161	182	182	188	182	191	215	215	224	239	239	233	218	194	221	167	239	212	265	283	208
30	200	182	155	155	170	161	145	140	173	158	167	194	212	274	250	212	307	337	373	307	313	286	283	262	226
31	233	188	170	164	161	161	149	145	149	152	197	173	197	271	310	245	421	361	206	170	161	298	307	319	221
Mean	153	118	105	097	105	110	125	135	134	161	168	185	204	241	270	278	292	282	297	269	251	263	230	197	195



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

Table 48 Baker Lake

60,000  $\gamma$  +

July 1958

Hour U.T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	270	195	186	225	327	378	477	405	363	375	339	339	483	603	534	477	513	369	381	462	441	378	270	270	378
2 Q	282	279	288	303	324	330	345	369	390	435	462	453	414	399	513	525	465	369	417	354	432	147	-021	015	345
3	153	246	273	255	270	324	339	351	384	387	390	411	393	546	531	441	621	639	435	549	441	312	354	324	390
4	276	267	261	282	336	327	357	345	624	495	432	441	471	465	498	519	603	465	351	279	141	003	-069	-087	337
5	189	264	267	267	309	330	354	351	330	333	384	375	375	447	450	393	321	495	489	381	309	015	-021	066	311
6 Q	183	210	285	276	291	312	212	330	324	333	351	366	408	420	432	675	567	(375	340	275	240	269	285	285)	335
7	279	240	249	252	231	336	345	357	342	357	471	621	531	453	324	249	318	303	279	141	285	081	075	099	301
8 D	141	123	099	078	129	297	393	420	630	615	790	630	790	1110	1190	818	852	1050	530	255	180	336	255	105	492
9 D	183	210	234	306	324	363	375	384	384	432	477	483	543	639	837	717	627	669	549	423	321	285	045	069	412
10	192	225	246	201	279	339	366	363	390	414	420	432	471	552	453	363	336	366	273	078	099	099	039	-021	291
11	081	126	219	216	222	309	363	336	327	330	426	555	567	579	600	570	453	354	297	075	135	057	057	129	308
12	195	264	270	303	312	339	363	342	414	579	591	597	585	477	369	381	465	588	567	495	339	303	231	231	400
13	279	255	297	309	369	378	477	429	384	378	567	675	729	729	753	609	663	543	351	339	318	306	225	201	440
14	225	225	282	315	393	327	339	339	453	591	483	423	417	627	687	528	465	498	426	381	411	285	159	180	394
15 Q	186	207	210	279	348	357	369	348	357	366	363	405	501	477	561	564	510	489	405	372	387	129	120	111	351
16 Q	187	242	263	284	348	376	366	376	363	369	388	403	412	437	583	580	421	360	284	248	193	181	239	239	339
17	206	209	206	275	348	637	418	382	366	366	388	388	388	398	363	342	333	333	330	330	296	224	188	093	325
18 D	-014	093	154	151	221	257	290	455	473	394	379	430	522	552	528	418	275	242	093	071	143	059	142	059	266
19	184	227	272	275	287	299	336	613	504	452	397	376	369	351	412	324	314	278	290	257	130	114	102	004	299
20	071	157	178	330	302	421	455	482	516	418	369	464	522	616	601	504	546	332	296	284	145	059	175	175	351
21 D	157	190	187	242	281	418	354	412	382	366	400	363	376	406	467	427	272	351	296	215	393	450	073	233	321
22	293	308	254	382	400	345	339	348	324	412	504	379	516	595	531	467	345	305	290	175	239	242	266	263	355
23 Q	266	284	296	311	314	321	321	321	321	333	336	342	397	418	406	311	293	287	281	311	314	296	221	163	311
24	184	172	197	269	302	311	318	318	327	336	372	357	412	369	376	360	266	424	230	148	114	212	145	181	358
25	236	254	293	311	308	318	324	379	510	424	455	504	528	528	625	656	598	473	296	181	187	145	166	157	369
26	175	154	215	339	266	308	333	363	400	406	400	421	443	449	467	461	412	342	321	257	275	218	215	206	327
27 D	172	236	266	284	260	314	372	397	455	476	479	470	458	882	1101	787	528	437	314	308	281	269	175	138	411
28	102	200	184	200	290	321	321	318	345	351	339	357	369	376	354	345	324	290	287	281	281	272	296	290	296
29	321	308	327	339	318	327	336	342	348	351	357	348	366	379	348	330	296	269	254	321	379	400	379	308	336
30	239	305	302	287	293	321	336	397	376	345	366	397	391	433	427	424	482	476	443	212	193	187	215	218	336
31	206	254	269	260	321	330	345	376	391	363	382	479	528	522	482	430	455	455	230	269	296	330	327	236	356
Mean	197	224	243	271	301	344	356	379	403	406	428	441	473	524	542	484	450	427	343	282	269	215	172	159	347

NORTH COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Times

Table 49 Baker Lake

3,500  $\gamma$  +

August 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	490	445	400	375	385	400	390	395	410	390	445	460	230	330	305	330	330	320	345	440	475	485	415	465	394	
2	420	410	405	425	430	435	426	438	464	476	455	485	498	464	459	506	493	219	336	417	442	438	454	492	437	
3	502	404	345	396	459	455	459	451	459	481	523	523	502	502	459	215	201	321	366	434	468	485	489	472	432	
4 Q	447	451	459	438	387	426	421	421	417	413	400	430	506	523	459	366	298	332	442	417	451	476	502	493	432	
5 Q	472	438	426	421	409	421	430	438	447	451	485	523	536	532	540	442	392	307	370	447	489	506	476	464	453	
6 Q	447	459	434	413	404	413	396	404	400	396	392	362	375	341	320	324	345	349	366	400	438	455	472	447	398	
7	455	468	455	430	404	409	417	451	455	481	532	527	527	379	328	336	332	324	392	409	451	434	468	485	431	
8 Q	438	438	426	409	400	404	396	400	396	400	409	404	379	404	485	366	226	345	404	447	481	519	519	519	417	
9	476	409	383	413	400	396	400	409	413	404	404	409	383	320	303	252	239	315	362	404	442	375	396	493	383	
10	493	434	404	404	409	417	413	434	430	434	472	485	506	455	536	481	044	370	362	680	527	493	642	481	451	
11	436	451	417	362	387	430	442	472	474	502	502	527	489	489	421	404	506	565	481	447	485	493	481	455	463	
12	447	439	421	400	404	349	434	438	442	430	426	387	392	358	349	366	383	379	379	396	485	557	447	438	414	
13	417	375	392	430	421	476	489	442	336	451	376	366	324	349	358	324	336	362	438	482	476	447	447	434	406	
14	464	459	383	413	409	396	392	396	392	387	396	383	349	315	320	286	303	413	396	413	451	464	510	421	396	
15	476	459	409	417	400	413	410	392	392	404	387	430	396	336	243	273	324	345	387	459	451	434	442	489	399	
16	421	392	404	404	396	396	404	413	409	409	424	438	430	375	472	548	595	476	358	383	447	438	447	438	430	
17 D	438	434	417	417	426	379	358	315	481	485	498	362	523	498	523	440	751	065	273	129	069	116	137	180	363	
18 D	243	332	362	396	455	455	400	387	417	387	362	387	366	353	341	311	345	341	353	409	400	430	451	434	380	
19	392	421	396	370	387	417	409	404	400	404	404	421	362	349	336	332	328	336	375	404	438	476	498	472	397	
20 Q	442	442	417	404	409	421	413	417	409	404	392	366	379	353	307	328	336	339	379	392	404	426	459	438	395	
21	392	396	413	392	400	396	396	400	404	396	400	409	353	290	252	320	290	353	375	421	459	442	366	498	384	
22 D	438	430	140	230	336	459	519	476	417	376	349	328	243	370	345	167	209	341	455	392	379	358	383	413	357	
23	409	413	404	396	430	396	387	413	417	417	404	409	400	383	349	341	311	320	383	472	532	472	532	421	409	
24 D	404	409	040	150	540	451	536	570	574	595	570	654	595	616	650	489	409	281	409	433	438	442	409	383	457	
25	434	409	426	493	493	459	485	502	451	464	481	570	582	481	379	336	324	341	353	392	430	455	468	455	444	
26	481	459	417	400	430	413	455	459	468	498	532	544	532	561	464	375	290	324	413	455	468	447	455	502	452	
27 D	447	468	409	328	290	510	252	519	527	604	697	731	636	536	455	141	074	540	739	633	498	468	434	451	474	
28	442	417	396	370	400	392	409	421	426	426	421	404	426	459	447	489	523	493	519	220	239	392	489	451	420	
29	396	383	400	383	387	400	404	392	417	455	459	510	459	421	379	315	307	349	455	421	519	438	485	459	416	
30	451	447	426	413	396	383	396	413	421	409	383	404	409	307	273	311	294	320	328	341	438	527	519	485	396	
31	468	409	387	341	387	417	426	409	417	421	455	455	417	404	370	320	341	311	375	387	400	417	430	426	400	
Mean	438	426	385	375	409	419	418	429	432	440	446	455	436	415	394	349	338	348	399	419	438	445	456	450	415	

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 50 Baker Lake

August 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	234	192	168	156	162	162	174	180	204	180	121	168	192	246	216	216	198	204	192	300	198	258	222	204	198
2	216	198	174	174	162	162	174	180	186	174	192	162	234	264	282	234	258	258	168	276	186	168	204	192	203
3	174	108	019	025	085	097	127	132	198	168	162	174	162	240	318	276	204	210	198	204	222	240	258	240	177
4 Q	198	180	168	132	103	132	168	174	156	162	174	180	210	228	186	225	216	168	168	198	240	240	240	222	186
5 Q	198	180	162	156	144	144	162	162	156	168	174	192	246	246	216	240	204	162	198	210	252	276	246	198	195
6 Q	174	186	174	162	156	150	144	138	156	156	162	210	234	240	234	216	174	174	180	174	192	168	198	174	180
7	180	174	150	132	138	150	156	162	174	204	180	186	228	282	252	204	246	294	252	282	210	156	168	168	197
8 Q	150	144	156	168	150	156	162	150	162	168	194	194	210	198	282	264	234	198	156	186	234	252	228	216	192
9	162	121	138	103	103	138	162	156	156	168	186	192	222	234	252	246	222	156	168	180	270	210	228	204	182
10	162	162	150	150	156	132	097	085	144	162	168	216	278	210	264	324	276	138	127	437	264	258	306	210	207
11	156	132	108	043	043	037	079	138	198	168	180	180	228	252	264	228	204	264	228	264	252	288	252	228	184
12	198	186	162	138	121	-005	091	132	150	168	186	216	234	234	216	204	186	168	168	174	258	282	198	162	176
13	132	108	144	132	103	103	103	144	192	156	180	228	234	216	186	180	180	174	258	222	204	186	180	180	172
14	156	150	089	132	162	162	168	168	168	168	180	192	198	228	216	192	180	270	262	204	262	254	228	121	188
15	156	150	156	132	037	115	144	150	138	150	198	186	210	228	252	228	198	168	168	216	174	156	174	168	169
16	108	085	108	132	150	156	156	156	180	180	192	180	228	204	252	282	288	282	252	240	210	162	174	174	189
17 D	180	180	162	162	156	186	127	037	-053	-053	037	246	204	276	318	288	544	688	753	318	324	180	174	138	232
18 D	019	085	097	085	097	025	103	138	168	150	198	204	228	252	222	234	240	186	186	186	156	168	150	144	155
19	150	132	115	097	121	115	144	174	174	164	210	168	198	240	246	222	222	222	252	240	234	198	198	192	184
20 Q	168	168	150	144	132	127	138	162	168	186	186	198	210	210	234	210	204	210	138	138	138	144	186	186	172
21	156	150	138	138	156	156	162	174	174	174	186	180	210	256	228	210	198	174	186	210	264	210	174	192	185
22 D	168	132	-005	-264	-184	-076	-029	127	127	192	204	192	198	228	246	288	276	252	192	156	150	156	180	186	129
23	156	156	156	150	085	085	055	108	174	174	192	210	204	234	216	180	174	198	174	324	312	216	186	156	178
24 D	168	055	-476	-435	-130	132	216	168	228	234	234	204	318	365	341	258	204	236	267	198	222	228	192	162	150
25	168	192	097	037	079	061	144	180	174	198	204	192	240	329	252	186	186	150	127	186	180	210	204	204	174
26	204	174	150	132	079	007	067	073	073	162	144	162	240	270	282	246	156	198	186	228	210	204	192	186	168
27 D	180	055	-017	-082	-160	-142	-166	-047	025	103	306	216	228	318	329	329	318	419	521	491	431	306	264	228	186
28	204	174	156	121	121	085	097	132	150	162	192	198	174	282	335	300	300	341	383	341	222	216	270	210	215
29	180	150	168	156	150	138	127	115	144	156	186	180	228	246	246	180	192	174	192	228	294	252	228	216	189
30	210	210	168	144	132	115	138	174	174	168	174	186	204	204	234	234	186	150	150	168	222	306	264	240	190
31	186	144	103	073	127	144	144	156	180	186	162	168	192	252	258	270	258	180	192	174	168	156	180	180	176
Mean	169	149	109	088	095	102	120	138	155	163	182	192	223	248	254	239	230	228	227	237	231	216	211	190	183

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

Table 51 Baker Lake

Hour U. T. Day	60,000 $\gamma$ +																							Mean	
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23		23 to 24
1	191	250	274	292	321	327	333	327	327	327	333	363	511	452	505	511	404	369	295	440	428	363	317	292	356
2	280	292	298	292	333	357	357	357	398	428	381	416	499	771	718	659	570	665	469	558	481	333	333	274	252
3	173	233	298	309	404	546	469	398	416	469	422	440	552	475	629	647	463	345	386	404	398	357	262	227	405
4 Q	286	304	304	339	321	345	333	339	363	363	386	392	452	446	594	534	452	481	546	446	392	345	321	315	392
5 Q	315	309	309	339	333	345	357	369	357	363	386	410	434	440	434	511	534	452	345	369	351	274	173	215	363
6 Q	179	227	268	292	304	298	298	315	321	333	357	386	351	351	333	298	298	292	292	298	321	315	250	244	300
7	221	250	250	256	280	309	327	339	345	410	428	404	446	588	369	321	298	292	262	132	179	304	286	244	314
8 Q	286	274	274	298	315	321	309	309	321	339	333	351	369	440	546	617	487	351	345	357	339	286	274	221	348
9	197	221	244	262	286	304	309	309	321	333	339	345	392	398	339	315	304	268	280	286	167	156	221	262	286
10	244	244	268	280	298	298	333	369	351	345	351	363	369	428	493	428	214	404	351	422	268	268	238	233	327
11	262	244	268	315	369	404	410	369	475	505	446	475	605	570	481	404	552	534	540	309	233	203	179	203	390
12	244	262	274	298	327	452	434	410	386	375	375	386	386	386	315	286	298	309	309	309	309	321	268	250	332
13	173	203	227	250	274	351	404	381	351	333	363	398	357	309	309	298	256	262	215	197	233	244	256	287	
14	250	262	238	250	292	309	309	304	321	321	327	345	357	357	315	304	309	475	351	185	179	114	067	-012	272
15	067	197	238	262	375	369	333	327	315	333	345	321	333	381	369	292	268	268	262	244	268	268	185	287	
16	191	191	203	268	280	304	310	315	333	333	321	345	363	386	499	517	511	499	274	191	250	262	292	292	322
17 D	292	286	286	280	292	274	333	215	363	428	540	375	404	499	463	404	363	495	132	268	215	238	227	268	331
18 D	132	108	203	250	262	357	369	369	333	309	339	357	381	345	357	345	298	315	292	280	280	268	256	215	292
19	238	286	292	315	321	351	381	363	345	357	363	386	428	416	410	327	321	357	298	292	262	274	197	244	326
20 Q	227	274	298	298	339	386	369	381	446	404	369	363	363	404	381	321	304	304	315	304	309	315	268	268	334
21	309	309	292	309	315	315	327	321	315	333	333	345	386	440	363	304	292	286	309	292	238	179	144	108	299
22 D	179	203	262	244	333	286	309	333	369	416	357	351	487	381	398	422	315	292	545	315	286	238	227	233	324
23	274	298	304	321	304	315	386	381	351	333	357	363	357	363	333	345	331	324	309	233	227	221	203	132	309
24 D	203	227	447	244	298	309	304	339	386	428	381	469	582	481	469	600	499	274	345	363	309	256	173	209	364
25	250	286	304	422	421	421	381	457	428	381	398	440	481	523	511	452	369	375	398	428	369	345	327	315	395
26	286	286	274	268	333	457	416	475	481	457	534	655	493	617	623	523	469	475	463	410	327	309	298	280	425
27 D	215	173	256	185	357	511	511	582	600	576	386	381	416	404	552	866	534	440	381	268	085	132	203	203	384
28	298	304	321	339	369	404	398	398	410	422	428	392	440	481	558	617	546	487	392	416	357	233	268	191	395
29	256	286	321	309	321	339	386	487	463	440	463	534	487	546	611	463	416	446	505	398	304	351	304	221	402
30	233	280	298	327	345	345	381	422	475	463	398	398	410	511	422	469	422	422	392	392	386	280	203	262	372
31	280	286	321	386	309	351	381	363	357	452	398	381	440	534	534	529	446	446	381	345	337	339	333	345	387
Mean	233	253	282	294	323	357	363	368	381	390	385	397	433	456	459	449	385	388	354	327	293	271	247	231	347

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 52 Baker Lake

3,500 γ +

September 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	416	415	395	392	390	390	403	413	415	408	410	480	496	466	429	344	255	256	330	414	474	495	520	489	410	
2	435	421	392	376	357	372	398	405	408	407	406	405	370	343	346	307	314	337	370	424	456	468	430	485	393	
3 D	430	405	390	385	390	415	420	435	440	385	430	450	505	595	580	215	044	175	205	750	330	200	285	260	376	
4 D	350	370	355	370	380	390	390	390	375	405	410	410	375	460	660	595	515	395	270	145	075	010	060	085	343	
5 D	255	335	365	420	505	385	375	365	410	395	445	470	490	585	580	550	315	330	425	885	520	415	490	380	445	
6	385	375	380	370	380	405	385	380	395	395	415	460	380	310	330	300	320	340	465	510	455	465	415	415	393	
7	405	390	385	385	380	390	390	425	420	425	420	415	375	330	480	400	435	450	145	240	310	335	315	335	374	
8	405	405	345	325	380	380	380	390	385	395	415	385	375	340	305	275	300	310	365	390	390	545	355	300	368	
9	420	370	365	380	400	410	420	405	370	375	385	380	390	510	350	285	320	385	315	420	295	275	280	365	370	
10	425	370	365	365	385	390	400	400	400	395	390	390	410	365	265	295	280	375	420	395	415	435	380	360	378	
11	410	440	380	355	380	390	400	360	345	380	375	360	335	320	295	290	285	315	360	405	425	450	440	470	374	
12	420	385	390	390	390	400	395	405	395	385	370	375	360	325	315	335	335	345	380	415	430	440	465	420	386	
13 Q	410	390	395	385	390	395	395	395	390	390	385	385	370	340	335	340	345	365	390	415	480	475	470	410	393	
14 Q	395	390	390	390	395	405	400	400	395	395	385	390	335	280	245	260	325	335	380	430	435	430	475	410	378	
15	415	390	400	400	405	410	405	400	400	400	395	385	365	340	340	305	320	315	365	390	395	425	485	450	387	
16 D	375	430	390	400	420	415	425	420	405	410	365	405	360	365	080	245	490	080	110	115	205	195	270	330	321	
17	350	360	400	400	395	400	395	395	405	400	405	395	485	430	400	400	330	355	395	385	400	415	395	400	395	
18 Q	390	395	390	380	390	390	385	390	395	400	395	395	385	365	350	340	330	355	360	380	400	425	435	435	386	
19	390	395	390	385	395	395	400	400	395	385	395	390	375	360	355	355	360	365	380	410	440	420	405	410	390	
20	395	405	395	390	390	405	400	405	405	395	395	395	375	365	350	350	365	375	390	445	455	470	445	425	399	
21 Q	395	395	385	390	400	395	405	400	390	390	385	380	365	370	335	325	345	365	395	420	425	425	430	455	388	
22 Q	400	400	395	385	385	390	405	405	400	395	400	390	395	370	355	355	360	370	385	410	430	425	445	415	394	
23	420	410	375	370	385	415	435	440	435	455	400	395	350	315	320	310	310	360	380	400	440	510	495	435	398	
24	420	435	440	415	410	415	430	440	445	455	440	410	370	350	345	285	235	305	395	450	455	475	430	365	401	
25 D	360	385	395	385	190	410	480	565	555	505	535	500	435	490	450	440	555	190	120	255	235	200	245	300	382	
26	340	375	375	375	430	460	455	450	465	420	435	435	450	475	510	475	575	635	585	570	550	465	475	415	466	
27	395	385	385	390	390	380	410	425	410	405	405	410	450	480	450	435	430	475	450	520	450	430	410	420	425	
28	375	350	350	385	395	405	420	420	425	425	380	425	410	430	380	410	335	350	355	395	415	430	415	400	395	
29	400	390	385	380	395	400	410	415	400	400	375	400	380	365	340	325	340	350	365	400	430	450	445	410	390	
30	395	385	380	375	385	395	405	410	410	390	350	380	415	450	515	565	490	400	465	585	475	415	350	410	325	
31																										
Mean	393	392	384	383	389	400	407	412	409	406	403	408	398	396	380	357	347	345	345	426	403	400	399	389	389	

EAST COMPONENT OF HORIZONTAL INTENSITY  
Mean values for periods of sixty minutes, Universal Time

Table 53 Baker Lake

September 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	182	179	169	167	164	163	163	175	176	178	174	168	198	233	288	268	209	133	169	178	220	249	243	213	194
2	192	172	158	144	123	124	148	157	168	180	185	183	203	228	223	193	203	173	168	203	218	218	173	188	180
3 D	173	148	153	163	148	143	113	168	178	173	223	268	253	353	453	378	388	338	178	388	213	248	203	073	230
4 D	068	073	048	063	098	148	163	168	158	178	193	203	218	203	338	543	538	668	463	528	338	193	-012	-062	229
5 D	-022	-102	-087	-027	-012	118	158	163	183	178	168	198	203	208	293	228	243	253	318	493	233	173	208	163	164
6	158	138	143	133	123	128	148	168	168	178	178	168	198	203	198	188	173	178	228	253	218	213	168	153	175
7	163	153	143	148	148	088	068	108	163	193	203	193	208	213	193	298	318	323	133	203	283	258	228	198	193
8	133	088	033	093	113	138	138	158	163	183	173	173	203	198	193	218	173	163	148	168	178	253	178	173	160
9	098	073	103	133	133	148	153	168	188	188	203	183	203	218	238	253	208	213	273	208	218	133	128	163	176
10	138	113	103	133	143	138	153	168	178	178	193	183	203	223	238	233	248	243	218	163	188	213	173	143	179
11	178	138	128	123	113	138	133	098	138	168	193	188	198	218	218	208	178	143	193	218	238	203	193	173	172
12	168	138	148	133	148	153	153	163	168	178	178	183	208	213	213	198	188	168	173	178	188	183	198	193	175
13 Q	173	163	163	158	163	168	168	168	173	178	188	193	203	208	208	193	173	148	148	153	228	218	198	178	180
14 Q	163	163	163	158	163	168	168	178	183	183	188	193	188	218	218	198	178	178	148	218	173	173	193	173	180
15	168	168	163	168	163	168	168	173	178	188	188	198	203	218	213	193	188	208	173	133	138	153	188	153	177
16 D	118	158	098	108	033	008	118	183	178	218	243	213	228	238	298	228	333	348	283	108	178	123	118	108	178
17	098	113	158	158	143	123	153	168	163	198	188	183	193	213	198	203	178	188	183	183	183	183	188	173	171
18 Q	168	168	163	158	158	163	163	163	168	183	183	183	193	198	198	188	198	188	203	253	218	193	158	168	182
19	158	158	163	163	163	168	168	173	173	188	188	183	193	203	193	178	168	153	148	203	203	173	168	163	175
20	153	153	153	143	153	153	163	168	178	188	183	188	193	203	188	183	173	163	183	193	228	193	188	193	177
21 Q	153	148	153	168	178	168	168	173	173	178	183	178	193	198	188	188	173	168	178	218	183	173	168	173	177
22 Q	168	163	163	153	148	163	173	173	178	178	183	188	198	198	208	198	183	173	198	183	173	173	188	173	178
23	173	168	138	143	103	113	133	143	163	183	213	203	203	213	208	203	208	173	138	143	178	228	218	183	174
24	173	188	183	158	133	143	158	163	188	198	213	243	213	228	258	253	213	188	208	228	233	223	198	153	197
25 D	128	123	113	083	-157	-097	003	073	148	218	268	353	318	408	358	358	358	263	238	278	188	123	058	048	177
26	053	083	078	053	103	113	143	168	183	183	213	228	238	238	238	288	293	283	293	288	273	253	203	178	194
27	183	173	163	153	143	133	158	143	173	183	208	218	213	223	253	273	263	253	278	328	248	228	203	173	207
28	138	098	128	113	103	068	133	168	183	188	223	203	193	223	253	243	213	183	178	173	193	193	183	183	173
29	173	168	158	153	148	128	123	178	173	178	198	218	203	198	203	208	193	183	178	183	188	198	198	178	179
30	173	163	158	163	153	158	138	168	183	188	238	233	263	288	283	273	303	308	353	363	263	218	173	163	224
31																									
Mean	145	134	130	132	121	128	143	160	172	185	198	203	211	227	242	242	236	225	212	234	216	199	176	156	184

BAKER LAKE MAGNETIC OBSERVATORY 1957-1958

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

Table 54 Baker Lake

60,000  $\gamma$  +

September 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	330	322	325	319	320	329	330	345	360	385	381	435	423	447	481	500	407	460	376	395	381	340	300	309	375	
2	320	305	315	310	285	275	330	330	340	370	400	420	500	510	410	430	450	395	380	360	355	350	340	225	363	
3 D	235	260	275	295	310	315	395	410	400	590	620	505	455	420	490	490	445	345	385	395	315	245	235	230	378	
4 D	250	290	315	325	330	315	325	335	375	350	360	370	375	405	440	525	460	485	420	310	285	295	295	265	354	
5 D	275	300	340	375	510	445	405	395	415	420	390	415	395	490	625	580	455	305	405	415	435	355	320	315	408	
6	330	340	345	365	380	400	395	375	360	370	385	410	485	420	375	380	345	385	585	520	375	325	345	315	387	
7	325	320	325	340	340	435	540	435	365	380	415	425	445	405	520	470	570	490	335	260	215	185	200	190	372	
8	210	270	295	290	320	320	310	320	350	340	360	365	360	375	385	470	425	360	320	305	310	275	170	210	321	
9	200	235	275	320	335	340	370	370	380	380	375	370	370	475	480	515	365	315	270	290	250	230	205	130	327	
10	205	275	315	315	325	345	345	350	350	345	365	395	410	475	490	390	330	305	315	305	305	190	155	175	324	
11	230	275	300	320	325	325	330	450	385	360	375	390	390	350	335	315	310	300	300	255	180	275	300	255	318	
12	245	285	270	290	300	310	315	315	345	375	365	355	360	355	325	320	315	325	325	330	320	315	300	320	320	
13 Q	330	330	320	315	310	325	325	325	330	330	335	340	345	340	330	320	325	320	320	340	325	365	330	320	329	
14 Q	325	325	320	325	320	325	320	335	335	330	335	340	385	410	370	325	295	315	335	295	340	320	270	300	329	
15	305	315	320	325	315	305	320	320	320	325	325	340	350	370	350	320	305	280	285	300	285	280	190	190	306	
16 D	155	200	230	260	320	365	325	330	320	330	390	355	375	435	540	420	575	360	385	355	330	200	135	190	328	
17	240	265	280	315	345	355	355	360	365	380	380	375	415	390	480	420	400	375	365	355	345	350	320	345	358	
18 Q	330	330	330	335	325	330	335	330	325	335	340	360	370	360	335	340	330	325	320	205	180	290	290	295	319	
19	315	310	325	325	320	320	320	320	340	335	335	355	365	370	355	330	330	335	330	310	295	320	315	325	329	
20	315	305	310	310	310	315	320	325	340	330	330	330	335	335	320	320	320	315	305	305	290	235	255	260	310	
21 Q	300	295	300	300	310	320	315	325	345	330	330	325	340	330	340	320	310	310	305	280	310	310	300	275	314	
22 Q	290	300	315	305	310	300	310	315	325	320	320	325	325	335	320	315	310	315	290	305	320	320	300	305	312	
23	305	290	290	310	305	325	320	380	410	390	395	360	385	395	385	420	395	355	335	340	325	280	245	220	340	
24	195	280	285	285	300	320	325	355	410	395	395	390	490	540	525	480	440	345	330	320	270	290	200	195	348	
25 D	200	220	245	285	530	450	375	505	555	470	565	580	470	535	470	395	315	490	340	315	435	290	265	205	396	
26	210	280	305	355	385	445	460	465	485	455	455	450	415	410	420	435	365	380	460	405	335	295	300	310	387	
27	315	325	320	340	360	375	390	425	410	405	400	420	420	500	485	435	495	520	415	325	300	240	250	260	318	
28	290	335	320	335	385	580	465	400	430	430	430	480	460	510	490	435	400	335	355	355	365	345	350	350	401	
29	335	340	325	345	345	385	465	410	395	380	385	420	425	445	395	380	350	350	385	390	370	355	330	330	314	
30	330	335	335	335	335	345	375	380	380	370	450	605	520	715	550	390	420	390	275	210	310	225	310	260	381	
31																										
Mean	275	295	306	319	340	355	360	368	375	377	390	400	405	428	427	406	385	363	351	328	315	289	271	263	350	

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 55 Baker Lake

3,500 γ +

October 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	415	400	395	390	400	415	435	390	400	400	385	390	375	365	360	335	305	325	360	390	375	335	365	305	375
2	360	355	375	415	405	410	420	420	425	410	380	390	380	365	330	315	335	355	365	380	415	380	360	425	382
3	420	400	385	365	415	400	430	450	440	415	395	400	395	370	325	435	480	455	560	515	450	395	415	400	421
4 Q	400	385	375	385	390	400	415	430	400	390	385	385	385	380	415	355	320	335	355	400	420	395	410	435	389
5	330	335	400	405	400	390	385	395	375	395	400	380	370	355	310	315	330	295	345	400	370	355	315	410	365
6	410	385	395	395	380	360	400	405	400	395	385	390	385	355	300	350	345	370	385	415	355	375	375	415	380
7	410	405	375	380	405	415	415	315	420	420	395	385	375	345	330	305	270	300	360	395	425	380	330	340	371
8	375	350	370	400	395	400	405	420	410	400	390	385	385	375	355	355	350	360	365	380	385	410	430	405	386
9 Q	395	390	380	345	390	390	395	395	395	395	380	385	375	365	355	345	340	360	365	405	420	405	420	395	383
10 Q	410	405	405	400	395	390	395	400	400	395	395	390	380	370	345	320	310	335	395	400	410	390	400	430	386
11 Q	390	390	390	385	395	390	400	400	405	405	395	395	380	380	354	345	350	360	370	415	420	445	455	435	393
12 Q	410	410	400	400	395	395	395	395	395	395	400	395	395	380	370	370	360	360	360	385	410	435	430	425	394
13	410	400	400	400	405	435	405	425	430	420	395	400	415	385	350	325	295	360	380	385	405	425	415	425	395
14	410	400	395	390	395	395	400	400	400	400	400	405	380	380	340	320	340	350	360	380	400	425	415	395	386
15	390	380	390	405	425	405	395	415	410	395	400	390	385	370	330	300	300	330	365	395	405	420	420	410	385
16	395	390	395	380	405	440	450	435	415	400	405	395	385	355	360	330	310	335	350	375	395	395	420	415	389
17	410	400	390	400	385	385	415	410	410	410	405	390	390	370	370	350	345	335	385	400	425	425	430	405	393
18	400	410	380	375	395	395	400	410	425	405	390	405	385	370	335	290	300	380	370	395	430	440	425	405	388
19	406	405	395	375	345	365	395	405	410	405	400	410	345	340	265	275	375	305	420	415	400	410	360	360	374
20	370	410	405	395	395	400	400	400	410	400	400	400	395	380	365	320	330	360	365	380	390	420	410	400	387
21	395	395	395	325	370	390	390	410	410	415	410	375	360	345	335	330	340	345	370	380	415	440	405	415	382
22 D	395	400	400	400	405	460	410	465	460	430	405	415	350	315	260	315	385	360	235	365	310	265	285	340	368
23 D	355	380	380	380	395	425	430	440	440	435	430	370	405	410	415	410	400	370	355	320	350	315	355	335	387
24 D	335	350	360	400	415	415	420	400	465	410	395	435	345	355	385	385	405	385	510	160	175	305	260	315	366
25	335	375	365	355	355	370	385	360	380	385	370	370	360	355	345	320	325	330	330	345	360	370	375	370	358
26	370	370	375	370	380	385	395	400	400	430	385	390	385	355	370	410	420	345	480	445	360	385	385	410	386
27 D	395	385	365	360	345	360	395	395	390	400	395	380	370	365	320	330	435	400	255	240	300	315	350	335	357
28 D	345	375	365	370	370	385	385	400	415	395	300	365	380	410	460	415	470	445	270	415	370	330	350	315	379
29	300	370	360	385	395	395	380	415	410	405	370	385	380	375	350	280	250	335	365	340	325	330	365	330	358
30	315	350	375	375	385	410	375	440	420	405	400	370	360	355	350	300	275	420	395	415	400	345	280	375	370
31	400	390	385	395	405	420	400	410	400	390	400	380	375	355	340	310	320	360	365	390	430	410	400	410	385
Mean	383	385	385	384	391	399	404	408	412	405	392	390	378	366	347	337	346	357	371	381	384	383	381	387	381

BAKER LAKE MAGNETIC OBSERVATORY 1957-1958



**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 56 Baker Lake

October 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	168	168	168	168	163	158	168	173	178	183	188	188	198	198	208	203	213	188	163	238	203	163	128	093	178
2	063	068	088	038	073	118	138	123	168	203	188	193	188	188	208	213	193	173	193	183	218	168	163	183	155
3	163	138	118	103	098	108	123	163	208	208	188	183	218	238	243	298	298	293	278	223	203	173	188	(173)	193
4 Q	188	163	153	148	158	163	173	178	178	188	193	188	198	193	198	183	178	168	178	173	188	173	173	158	176
5	123	118	173	168	163	153	138	153	163	178	183	183	198	203	223	218	198	273	208	218	208	148	143	158	179
6	168	158	163	163	128	103	143	173	173	178	193	188	188	193	213	198	193	203	168	203	213	158	168	163	175
7	158	123	133	133	123	128	113	103	158	198	213	203	208	208	198	218	268	218	208	(203)	168	183	133	123	172
8	128	063	073	113	123	153	128	163	213	188	178	183	188	188	193	188	188	173	173	188	158	163	178	168	160
9 Q	163	148	138	123	148	158	163	168	178	193	208	198	183	193	203	203	203	188	198	208	198	183	168	168	178
10 Q	163	173	163	158	163	153	163	168	173	183	183	183	188	193	203	218	208	208	163	183	193	158	163	168	178
11 Q	148	163	158	153	158	168	173	173	178	193	193	193	193	193	193	203	193	193	213	218	173	193	188	183	183
12 Q	173	173	168	168	173	173	173	168	178	183	183	188	193	198	203	203	193	188	173	188	178	188	173	178	182
13	173	168	168	153	148	133	133	173	193	223	228	208	213	218	213	193	183	213	173	183	158	178	178	168	182
14	173	163	168	158	158	163	163	173	183	188	193	203	198	203	213	213	183	178	168	173	158	178	178	163	179
15	133	163	163	148	138	148	158	173	178	198	198	198	203	198	213	223	208	173	193	223	183	178	168	168	180
16	168	153	138	118	103	138	173	168	178	193	193	193	188	198	208	208	203	183	158	183	178	158	168	173	172
17	168	163	168	148	123	138	163	178	178	183	193	198	193	203	198	198	193	263	208	193	188	168	173	178	182
18	168	148	148	163	168	138	143	163	178	188	193	188	193	193	208	213	188	173	183	178	183	193	178	173	177
19	163	163	148	143	123	148	153	168	178	178	188	203	218	208	218	248	283	238	228	178	188	163	138	128	183
20	148	168	158	163	168	173	173	178	173	178	183	183	188	193	198	208	213	188	178	183	163	173	168	168	178
21	163	163	143	078	113	138	128	158	173	183	188	208	203	203	203	203	188	213	173	158	173	188	173	168	170
22 D	168	173	163	138	093	098	093	113	178	258	223	223	193	208	213	278	338	348	263	218	213	183	153	113	193
23 D	088	108	098	058	078	078	098	128	178	198	243	293	268	243	283	298	283	283	278	243	228	158	148	073	185
24 D	083	093	053	018	083	113	148	173	178	308	293	298	343	368	263	288	348	363	333	253	178	138	093	088	204
25	138	158	153	163	163	158	153	173	163	173	178	173	178	183	188	188	188	178	158	148	148	158	163	163	166
26	153	163	163	158	158	138	118	163	183	193	188	198	198	183	208	268	278	268	258	243	213	198	178	188	193
27 D	143	143	123	113	073	103	163	158	178	193	188	193	203	198	193	203	288	318	323	228	128	103	113	123	175
28 D	148	163	153	148	153	153	163	168	178	193	228	198	238	238	223	248	258	288	308	223	188	143	128	093	193
29	118	148	158	133	103	108	128	163	193	208	218	203	193	193	218	258	228	173	198	241	198	163	143	103	175
30	088	123	148	143	148	133	093	168	193	193	198	213	218	223	258	223	243	273	228	163	163	188	128	158	179
31	168	173	163	168	163	123	103	148	173	193	218	213	208	188	198	203	173	178	168	198	193	183	173	173	177
Mean	147	147	144	134	133	137	143	161	179	197	200	202	206	207	213	223	226	224	209	201	185	169	158	150	179

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

Table 57 Baker Lake

60,000  $\gamma$  +

October 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	305	325	340	340	330	345	390	535	385	375	370	375	380	400	380	390	355	345	310	275	225	215	225	240	340
2	225	275	330	380	380	375	375	450	460	435	405	375	385	385	385	380	340	340	340	335	280	210	200	180	343
3	240	275	310	335	345	370	405	400	405	370	375	410	415	470	530	490	330	310	260	390	350	300	345	340	365
4 Q	340	335	340	350	345	370	370	410	395	370	370	370	380	410	475	405	400	370	375	370	355	350	345	270	370
5	300	270	310	335	340	340	360	375	375	360	370	380	370	370	375	355	335	355	240	170	210	215	260	285	319
6	310	330	325	340	350	400	355	350	340	350	360	345	365	450	430	365	335	365	350	315	200	170	240	310	335
7	320	320	330	330	340	360	445	455	415	405	420	405	435	440	390	365	425	340	300	260	320	225	250	270	357
8	300	315	325	325	355	360	395	385	420	390	370	370	370	360	365	345	345	335	340	325	340	330	290	310	349
9 Q	335	315	330	335	335	345	355	360	350	365	410	400	360	365	355	345	325	325	325	310	310	320	330	345	344
10 Q	335	340	335	330	335	340	340	350	345	350	345	350	355	360	365	360	335	320	320	320	315	345	340	320	340
11 Q	315	320	330	330	335	340	345	355	350	355	370	370	375	360	360	340	340	340	335	325	315	245	245	255	331
12 Q	325	330	340	340	340	335	335	335	340	330	340	340	340	345	345	335	335	330	335	335	340	300	325	325	334
13	320	325	325	330	340	435	480	425	400	420	490	450	440	450	440	395	425	445	400	355	345	320	350	315	393
14	330	330	330	330	335	340	350	370	355	355	345	365	350	360	385	360	340	345	335	325	325	265	295	315	339
15	305	325	335	335	360	370	365	360	355	355	355	360	360	360	360	360	310	340	315	275	300	300	320	305	337
16	315	315	320	335	340	405	450	390	370	365	355	350	360	385	375	365	335	320	325	310	310	325	320	315	348
17	325	315	325	335	350	355	365	405	360	350	365	360	370	360	355	335	335	305	290	295	255	255	300	334	
18	330	305	315	325	325	350	380	390	405	425	385	350	355	375	370	365	340	340	335	325	305	305	315	320	347
19	320	325	325	325	350	335	355	350	340	345	355	375	410	420	400	405	415	380	380	345	280	305	235	265	348
20	280	300	310	330	335	335	340	340	340	345	340	340	350	360	355	360	355	340	330	330	340	295	315	320	333
21	320	325	325	345	315	355	385	395	395	380	395	420	495	465	475	465	415	375	355	360	350	335	345	340	380
22 D	325	325	325	355	375	405	460	555	485	465	475	425	425	460	510	480	345	275	390	200	180	260	270	285	377
23 D	285	315	360	400	400	415	440	435	480	585	535	515	525	440	425	430	400	355	315	285	235	230	220	305	389
24 D	310	325	370	425	405	410	425	645	740	595	615	555	540	495	425	475	260	245	150	415	335	260	280	305	417
25	300	325	360	375	370	385	410	380	375	390	395	395	400	415	430	410	400	400	380	365	375	380	385	385	383
26	375	375	375	365	370	370	420	440	620	530	475	470	435	445	505	455	435	445	335	280	270	240	240	285	398
27 D	315	325	350	370	430	455	400	410	400	415	415	420	420	455	480	455	425	345	270	270	180	215	235	310	365
28 D	325	330	355	365	375	390	375	385	400	435	545	630	575	470	450	430	350	345	310	290	325	275	240	275	385
29	310	310	355	375	430	475	495	440	440	455	430	400	415	425	465	515	490	405	345	290	290	255	265	300	391
30	300	310	330	360	365	400	610	465	445	445	420	430	475	530	495	465	455	360	380	375	285	285	305	305	400
31	320	355	360	360	365	465	600	530	530	465	470	465	415	430	410	405	375	360	350	330	325	355	345	345	405
Mean	312	320	335	349	357	378	406	415	413	406	408	405	407	414	415	401	368	349	327	314	297	280	288	301	361

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
**Mean values for periods of sixty minutes, Universal Times**

Table 58 Baker Lake

3,500  $\gamma$  +

November 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	405	400	400	395	390	400	400	400	395	395	400	395	385	375	365	315	285	305	350	400	395	420	405	400	392
2 D	400	405	400	385	380	370	380	395	395	400	395	390	380	330	310	320	370	325	330	405	390	390	380	355	374
3 D	355	365	385	410	390	400	405	390	400	385	385	385	380	350	305	215	165	255	360	360	410	405	400	410	361
4	405	395	400	370	375	405	395	390	395	385	385	385	330	355	360	355	345	365	370	420	410	410	400	395	388
5 Q	395	415	405	395	395	395	400	400	395	395	390	385	375	370	350	345	355	360	380	385	395	410	405	395	387
6 Q	395	400	410	395	395	390	395	390	390	405	400	395	385	380	370	340	325	320	360	405	420	430	405	400	388
7	425	420	405	400	380	370	405	405	400	410	400	375	370	325	335	250	335	345	380	400	440	440	425	430	386
8 Q	410	405	410	395	380	380	410	415	405	395	395	380	375	360	335	320	300	320	380	410	425	440	440	425	388
9	415	400	390	395	395	380	370	395	410	410	395	400	390	380	370	365	365	375	385	390	395	405	405	405	391
10 D	400	405	400	390	400	410	420	440	425	415	300	375	390	365	355	330	300	270	275	300	335	325	380	370	366
11 D	345	365	360	410	415	425	420	405	400	400	375	370	365	360	345	340	320	370	390	405	410	405	400	395	383
12	400	390	410	400	395	390	390	400	400	405	390	380	380	380	340	300	340	350	345	360	320	310	390	440	375
13	400	355	350	375	405	405	400	400	400	400	400	395	385	380	380	365	355	375	380	385	390	395	395	400	386
14	405	390	370	395	390	390	390	395	395	395	395	395	387	370	375	365	360	360	380	385	405	420	370	380	386
15	435	435	405	395	400	400	405	420	415	390	395	390	380	345	365	350	350	365	385	395	405	405	415	410	394
16	410	400	410	410	405	420	435	420	400	430	415	410	390	325	260	250	340	370	385	400	435	405	400	410	389
17	400	390	380	380	385	370	355	425	405	365	395	380	365	350	325	230	325	385	385	395	420	415	410	410	377
18	400	400	405	395	395	405	410	405	385	390	360	400	370	335	355	390	365	350	405	450	380	365	420	430	390
19	420	405	395	395	395	405	400	400	405	395	390	385	385	390	365	290	355	365	405	405	405	410	410	400	391
20	395	390	380	365	390	375	360	395	400	405	400	370	365	300	285	300	320	375	390	410	410	400	395	405	391
21	405	395	390	405	405	400	400	405	400	375	390	370	370	335	285	275	300	370	405	410	410	410	410	395	381
22 Q	385	385	380	390	390	385	395	400	405	395	390	380	380	375	360	330	360	370	390	400	405	405	420	420	387
23	415	405	410	410	400	400	410	425	415	395	400	410	385	345	380	380	415	385	370	400	400	415	390	385	398
24	390	390	395	395	395	400	405	415	405	410	360	375	340	335	340	390	355	380	415	405	415	410	410	425	390
25	415	410	400	395	380	405	405	405	400	400	395	395	385	375	375	355	395	425	320	345	365	375	360	350	385
26	365	375	370	360	375	380	380	385	390	410	400	395	380	360	315	320	400	305	380	405	400	400	380	415	377
27	415	405	400	395	385	370	380	345	380	415	345	375	355	365	400	305	335	305	355	370	330	340	365	365	366
28 D	380	385	370	320	375	415	425	410	425	400	380	395	355	355	385	365	365	400	415	415	415	400	390	400	389
29	385	370	295	355	395	400	405	415	420	380	385	395	360	340	350	360	370	370	375	380	390	400	405	405	379
30 Q	385	385	385	385	390	390	385	385	395	390	385	385	375	380	375	370	365	370	380	380	385	385	385	385	383
31																									
Mean	398	394	389	389	391	394	398	402	402	399	386	387	374	356	347	326	341	352	374	392	397	398	398	400	383

**EAST COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Time

Table 59 Baker Lake

November 1958

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	169	169	164	159	164	159	174	174	179	179	179	189	189	194	199	219	199	199	184	189	189	189	174	164	181
2 D	169	169	164	164	154	159	159	169	174	184	194	189	199	229	254	319	319	304	179	164	179	154	129	124	192
3 D	124	149	159	139	129	159	169	179	179	184	189	184	184	199	244	259	249	179	154	219	184	174	159	169	180
4	164	174	134	109	094	134	169	174	179	184	184	184	199	199	199	199	194	179	194	199	184	184	174	174	182
5 Q	169	174	174	174	179	169	169	179	179	184	184	184	184	194	199	194	184	179	174	184	174	179	184	184	180
6 Q	174	174	174	174	174	169	174	169	179	184	184	189	189	194	204	214	204	189	189	189	189	189	184	174	184
7	179	169	164	154	134	139	164	174	174	184	214	219	234	234	244	194	169	164	184	169	189	199	179	179	184
8 Q	174	174	169	159	139	134	159	174	189	199	199	194	194	194	199	199	189	169	174	189	184	189	189	184	180
9	174	174	159	149	144	089	109	159	184	189	184	184	189	189	189	189	184	179	174	174	174	174	174	174	169
10 D	174	174	174	164	169	129	139	179	199	224	299	209	194	189	189	194	229	219	164	149	134	159	159	134	182
11 D	149	079	054	139	159	134	159	199	204	199	194	194	194	194	199	199	204	194	204	189	179	174	169	169	172
12	174	169	174	174	159	169	169	174	179	184	194	214	219	224	224	214	179	189	209	199	174	139	184	164	185
13	154	124	069	139	144	094	144	174	189	194	194	194	194	194	194	204	199	179	189	184	179	179	179	184	170
14	174	164	159	179	169	169	174	184	184	184	189	189	189	189	189	189	189	189	174	174	179	184	159	169	179
15	189	179	169	179	174	159	139	174	229	189	194	194	204	204	194	184	189	179	179	174	174	169	174	174	182
16	169	169	174	174	169	154	159	179	189	204	194	199	224	254	234	199	174	164	164	174	184	179	174	174	185
17	169	159	144	134	119	059	104	169	199	184	194	199	209	209	199	189	174	179	179	174	184	184	184	179	170
18	174	174	169	154	149	154	169	179	179	199	194	209	214	224	234	224	199	189	214	219	174	169	199	184	189
19	169	169	164	154	154	179	179	174	184	194	199	189	189	209	224	184	174	174	174	174	174	169	179	179	180
20	(169)	164	144	134	144	139	134	174	179	184	189	209	214	204	209	209	174	179	179	189	194	184	184	184	178
21	184	169	179	179	179	179	169	184	194	189	194	214	224	224	209	189	179	169	174	184	179	174	174	174	186
22 Q	144	154	159	159	159	164	174	179	179	189	194	204	209	194	189	194	179	174	189	179	184	179	184	179	179
23	179	174	179	189	184	174	169	179	204	214	199	219	224	224	199	184	224	179	174	184	174	184	174	174	188
24	174	174	174	174	169	169	164	169	199	224	254	244	239	234	209	184	184	184	204	199	209	189	179	189	195
25	184	179	184	179	169	169	179	179	184	189	199	194	204	239	244	264	264	284	244	199	164	134	134	119	195
26	159	159	149	134	139	109	149	184	169	179	194	194	189	219	214	229	234	209	169	174	174	184	179	194	179
27	194	164	159	154	114	109	144	149	159	199	209	209	209	214	239	234	234	209	244	214	179	169	169	159	185
28 D	159	134	099	039	094	184	174	119	169	234	269	259	269	239	214	189	179	184	184	194	189	175	179	174	179
29	164	139	089	104	119	129	149	179	204	194	204	204	229	244	244	209	179	169	159	159	164	184	174	174	174
30 Q	174	174	174	174	174	169	179	174	179	184	189	189	189	184	189	194	189	179	174	174	169	174	169	174	179
31																									
Mean	169	162	153	153	151	147	159	173	186	193	202	201	206	211	212	208	201	191	185	184	180	175	173	171	181

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

Table 60 Baker Lake

60,000  $\gamma$  +

November 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	345	345	350	350	355	370	370	360	365	360	360	360	370	375	380	385	350	340	315	295	240	270	325	335	345
2 D	350	345	340	350	345	350	350	355	360	360	365	380	405	490	635	595	485	485	395	335	275	315	290	325	387
3 D	320	325	355	365	360	370	380	370	375	370	375	380	385	400	470	445	425	395	380	285	325	295	280	300	364
4	290	330	335	360	415	375	360	370	365	360	360	395	450	380	380	355	350	360	355	345	315	335	350	365	361
5 Q	355	350	345	350	345	350	360	360	360	355	365	360	375	370	380	375	355	365	360	355	355	355	350	355	359
6 Q	355	355	345	350	350	355	355	350	345	360	360	365	365	355	360	360	360	345	345	345	320	310	325	345	349
7	340	315	320	345	350	305	355	350	375	380	390	420	505	515	500	510	395	370	385	365	330	290	300	315	376
8 Q	335	350	335	345	370	410	385	380	375	380	405	385	385	380	385	395	370	370	365	350	340	325	320	325	365
9	310	335	330	345	360	440	440	415	375	365	355	355	360	365	360	355	350	340	345	350	350	335	345	350	359
10 D	350	345	350	345	355	380	410	420	400	415	630	540	405	395	390	390	390	430	410	320	275	260	305	320	385
11 D	345	335	340	320	355	380	435	415	405	405	395	390	390	390	395	380	350	350	345	350	335	345	350	355	369
12	350	360	350	350	350	350	360	350	355	360	360	380	405	405	380	385	370	330	325	265	245	255	305	305	344
13	300	360	370	315	335	410	440	390	370	365	360	365	360	370	360	370	365	355	340	345	350	355	355	355	361
14	350	345	340	335	350	360	365	360	360	360	360	365	360	370	365	355	350	355	350	360	355	315	310	300	350
15	285	300	305	320	335	360	390	400	445	460	385	375	375	405	375	375	360	345	345	350	350	350	340	335	361
16	320	335	335	340	345	370	370	380	390	365	375	390	395	465	585	480	390	355	355	355	355	350	355	350	379
17	335	345	365	370	425	525	540	440	470	515	450	410	415	450	435	385	340	380	360	360	335	330	355	340	403
18	340	345	345	350	360	380	380	430	585	535	560	490	455	510	485	435	420	425	335	265	250	230	275	330	396
19	345	345	350	360	370	405	465	450	415	405	420	400	405	410	445	435	375	360	360	355	355	365	355	355	388
20	360	360	360	310	330	330	340	355	370	375	370	400	460	465	480	475	410	375	360	350	360	365	365	355	378
21	345	340	325	335	350	355	360	380	395	395	395	410	475	520	525	490	445	395	370	365	365	355	345	345	391
22 Q	345	335	320	330	335	355	360	360	370	370	370	375	385	370	360	360	350	350	340	350	350	355	340	340	353
23	335	335	330	335	345	355	365	385	420	475	450	430	405	400	390	390	460	425	355	350	355	340	355	350	381
24	360	355	355	355	355	360	400	470	500	490	540	500	450	505	450	410	390	375	345	325	305	335	345	320	400
25	330	340	350	330	330	320	335	355	365	365	375	380	390	435	415	375	285	265	220	225	205	280	305	290	362
26	300	320	330	335	370	410	395	375	360	400	390	415	430	450	475	500	420	425	365	320	335	310	285	285	375
27	330	335	330	360	390	420	435	405	415	435	605	540	465	485	445	495	490	415	315	310	315	330	315	305	404
28 D	300	340	365	450	435	395	395	555	500	420	505	515	485	435	415	440	420	400	385	380	355	330	320	335	411
29	350	355	360	400	435	445	450	420	450	550	455	425	445	475	420	395	425	400	385	365	365	360	375	355	411
30 Q	370	375	370	370	365	380	375	360	370	375	375	375	375	375	375	375	360	365	370	365	360	370	375	370	370
31																									
Mean	335	342	343	349	362	379	391	392	400	404	416	409	411	424	427	415	387	375	353	335	324	325	331	333	373

**NORTH COMPONENT OF HORIZONTAL INTENSITY**  
 Mean values for periods of sixty minutes, Universal Times

Table 61 Baker Lake

3,500  $\gamma$  +

December 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	395	395	395	400	395	395	395	395	390	395	390	385	380	380	370	360	355	365	385	395	395	395	400	400	388
2	405	390	400	415	380	395	395	395	410	415	385	360	380	340	305	275	180	240	260	270	265	270	350	420	346
3	410	375	340	395	400	400	390	390	390	380	395	380	380	380	375	365	360	365	370	375	375	380	390	395	381
4 D	390	405	410	410	395	395	395	395	435	435	400	360	320	285	235	325	310	290	250	160	200	205	210	255	328
5 D	285	250	295	335	360	360	350	365	310	365	330	345	345	355	350	345	330	320	335	350	375	375	370	385	341
6	400	400	385	390	390	385	380	390	385	380	320	315	340	365	295	360	395	375	380	395	400	400	370	365	373
7 Q	385	380	360	345	365	325	385	390	380	385	390	380	375	365	370	370	355	355	370	380	385	395	405	395	375
8	395	400	405	405	395	390	395	395	395	390	380	350	350	375	345	250	220	365	385	330	315	380	365	350	364
9	390	360	360	385	390	385	395	410	305	385	410	365	360	385	375	355	355	365	370	375	380	390	390	395	376
10 Q	405	395	390	355	365	375	390	380	390	380	375	375	380	385	375	375	375	380	380	375	380	380	385	390	380
11	395	410	400	375	375	385	395	400	400	350	380	395	385	370	380	355	355	370	385	405	405	375	370	435	385
12 Q	430	400	375	375	395	395	400	395	400	405	385	380	385	380	365	370	375	385	380	385	400	380	390	395	389
13 D	305	355	325	340	395	380	385	410	405	410	395	400	390	310	205	280	320	285	300	220	250	280	295	350	333
14	375	380	365	370	370	375	375	375	380	380	385	380	380	380	340	300	285	350	385	205	275	295	330	355	350
15	395	405	395	385	380	380	385	385	385	390	395	395	380	370	355	340	335	340	305	370	405	410	410	395	381
16	395	425	400	395	345	345	400	420	415	410	410	385	385	355	350	395	380	350	375	390	380	390	405	420	388
17 D	420	410	405	400	395	395	400	410	410	390	375	380	365	370	350	360	340	250	165	360	175	360	315	320	355
18 D	290	285	320	295	425	375	350	385	365	370	370	370	365	365	360	360	350	350	365	385	390	360	340	420	359
19	365	290	340	410	410	415	385	390	410	305	355	375	370	355	360	360	375	335	445	380	415	415	420	425	379
20	400	390	275	115	285	140	260	375	415	410	415	365	365	290	340	335	390	335	495	410	375	415	410	395	350
21	390	385	365	375	405	410	400	385	390	395	395	375	375	370	365	400	435	360	420	405	410	425	405	395	393
22	370	315	405	410	395	395	405	355	315	385	390	380	375	385	365	310	315	335	345	335	410	440	430	415	374
23	415	400	390	390	375	395	390	400	415	315	400	400	375	350	285	335	360	385	325	420	410	360	355	380	376
24	405	395	380	370	380	395	395	395	400	405	400	385	380	355	365	365	340	360	380	400	400	420	410	400	387
25 Q	405	405	400	400	400	395	395	400	400	400	385	390	375	365	340	355	335	355	385	405	435	425	415	430	391
26	435	420	395	375	370	380	410	405	410	405	395	385	380	275	280	305	290	380	410	360	390	335	345	380	371
27	425	390	385	405	400	385	425	420	415	400	405	395	380	380	345	380	370	320	360	385	400	410	405	410	391
28	350	395	410	375	385	390	400	375	330	385	380	380	395	385	355	320	275	355	350	385	365	375	415	360	371
29	390	370	395	390	390	395	390	395	395	395	405	405	395	385	375	345	280	220	310	345	325	290	350	345	360
30	385	400	400	395	390	395	415	410	400	405	400	395	365	360	350	305	330	315	360	390	360	420	375	385	379
31	395	390	395	385	390	400	405	400	390	420	415	405	395	390	395	370	370	375	380	390	425	415	415	415	397
Mean	387	380	376	373	384	378	388	393	388	389	387	378	373	361	342	341	335	343	361	359	362	375	375	383	371

## EAST COMPONENT OF HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

December 1958

Table 62 Baker Lake

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	174	179	179	184	184	179	179	174	179	184	184	184	184	184	184	184	189	184	184	174	174	169	174	179	180
2	179	169	179	179	139	159	169	174	174	189	239	284	274	269	259	239	244	254	209	179	174	154	184	169	202
3	169	164	154	184	184	184	184	189	189	174	189	189	189	189	194	194	199	189	184	174	174	169	174	179	182
4 D	174	174	189	179	174	174	184	169	189	239	229	279	294	319	329	269	279	299	279	244	174	129	109	094	215
5 D	089	069	079	094	144	149	129	164	209	189	159	174	189	184	179	189	199	174	169	174	164	169	174	179	158
6	179	179	179	179	174	174	174	174	179	179	239	209	219	244	274	259	254	224	224	189	174	179	174	164	200
7 Q	179	169	149	139	119	119	139	184	184	179	179	184	184	189	189	184	184	189	169	174	174	174	179	179	170
8	184	184	184	189	189	184	179	179	179	199	219	204	209	209	209	224	199	179	209	219	179	174	149	169	190
9	159	134	169	184	199	189	184	129	179	179	199	194	199	199	199	194	194	174	174	169	169	174	174	174	179
10 Q	179	179	179	149	169	184	164	179	184	179	179	184	189	189	189	189	189	184	179	179	174	169	174	174	179
11	179	184	184	159	159	169	174	169	174	134	194	194	194	194	189	189	184	184	179	184	179	174	194	204	180
12 Q	184	154	159	159	184	174	174	174	174	184	189	199	194	194	189	184	184	184	194	194	199	179	184	154	181
13 D	124	144	079	024	149	119	134	164	184	199	204	199	219	244	299	314	274	269	259	219	164	164	159	174	187
14	159	174	174	174	169	174	169	174	184	184	189	194	189	194	239	274	289	274	244	189	174	134	134	149	192
15	184	184	184	184	179	169	169	174	174	179	179	184	194	199	199	214	199	204	194	174	179	184	194	174	185
16	164	184	139	169	114	129	179	174	184	204	239	249	269	229	204	194	199	189	189	179	179	179	184	189	188
17 D	189	184	189	189	189	179	169	174	189	224	219	199	209	204	204	199	249	264	304	079	069	179	159	119	189
18 D	014	024	004	034	119	109	169	194	199	194	189	184	184	184	189	189	179	179	214	199	164	174	184	153	
19	134	084	059	099	124	124	109	169	184	174	174	214	224	269	234	239	214	234	214	194	204	194	194	184	177
20	159	169	134	169	149	214	004	079	194	204	199	224	209	229	234	214	239	249	234	199	189	184	184	174	185
21	164	174	164	164	164	159	154	189	209	189	204	224	224	219	244	229	214	189	234	204	189	189	184	174	194
22	139	159	189	189	174	164	149	114	119	204	204	189	184	204	214	199	164	179	209	209	184	194	184	179	179
23	179	179	174	179	164	159	164	169	159	199	204	219	244	244	249	219	219	229	214	209	189	154	154	169	193
24	179	174	174	169	164	164	169	189	204	189	189	189	199	214	209	204	184	189	174	184	179	179	189	179	185
25 Q	179	184	184	184	179	179	174	179	179	179	199	194	204	199	204	204	194	184	184	184	189	189	184	184	189
26	194	189	174	154	144	164	174	174	174	194	204	199	204	214	214	219	224	254	189	169	179	159	144	174	187
27	159	169	179	159	129	104	159	184	189	204	219	229	234	214	214	219	199	194	174	179	179	184	184	169	184
28	154	194	179	174	179	174	164	154	139	194	194	204	204	204	229	229	199	189	199	224	199	174	179	154	187
29	154	149	189	194	189	169	174	184	194	189	189	194	199	199	214	204	179	189	219	209	159	154	159	164	184
30	174	174	184	179	174	184	184	209	169	194	194	199	229	234	229	184	194	209	209	209	184	179	154	159	191
31	174	179	179	174	169	164	149	159	144	184	184	194	194	204	204	204	194	184	189	194	179	174	174	179	180
Mean	161	162	159	159	163	163	160	170	179	189	199	205	210	215	219	214	210	209	204	190	177	172	171	169	185

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

Table 63 Baker Lake

60,000  $\gamma$  +

December 1958

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	370	365	365	360	365	365	365	370	370	370	375	370	375	370	375	370	360	355	355	370	360	365	370	365	367
2	355	345	330	330	360	360	370	360	350	385	425	525	530	525	585	630	550	485	475	355	355	360	310	300	415
3	330	340	340	315	335	365	375	375	355	375	375	380	380	375	375	380	370	360	360	360	360	360	365	360	361
4 D	360	355	360	350	355	360	355	370	400	450	445	455	490	515	525	465	440	405	385	375	360	380	395	405	406
5 D	400	400	395	385	405	405	420	410	440	395	455	435	415	415	425	420	400	400	395	380	385	380	385	380	405
6	385	380	365	365	375	380	390	395	395	405	470	635	595	500	550	515	375	465	410	395	380	310	330	355	422
7 Q	395	380	375	390	425	445	465	410	405	395	395	400	410	415	400	390	385	375	380	385	385	390	380	385	398
8	385	385	385	375	365	370	370	375	380	390	400	485	445	460	475	560	460	415	345	300	305	295	290	330	389
9	310	335	345	335	350	370	370	450	485	385	385	420	405	400	385	385	385	385	380	375	385	380	380	380	382
10 Q	370	375	375	375	355	345	375	390	375	370	385	390	385	385	385	385	385	385	385	385	385	385	385	385	379
11	380	365	360	370	370	360	380	385	440	490	425	385	380	405	395	395	385	375	375	365	330	345	310	345	380
12 Q	350	330	350	340	335	345	355	360	375	385	395	395	405	395	385	380	370	370	375	360	315	315	320	305	359
13 D	290	280	345	325	270	345	375	370	375	390	370	375	410	440	670	620	515	540	455	460	455	415	340	305	406
14	320	350	355	355	370	390	390	405	395	405	395	400	400	415	425	465	480	450	320	400	365	390	365	355	390
15	360	385	395	385	385	390	390	390	390	390	395	405	400	410	425	465	415	370	355	365	355	365	360	345	387
16	350	345	345	360	400	325	350	385	400	415	420	510	530	455	420	405	420	395	395	380	365	355	360	365	394
17 D	370	375	380	375	375	380	380	390	405	480	515	485	475	440	425	405	455	465	255	120	445	265	380	325	390
18 D	315	330	435	445	460	535	520	440	435	420	405	415	405	405	400	400	405	395	385	360	345	335	350	325	403
19	340	390	400	400	415	440	550	520	465	695	590	570	495	490	510	495	480	450	410	380	360	360	370	360	456
20	345	365	450	320	405	465	530	495	480	485	475	470	510	550	490	450	475	475	405	375	325	350	370	370	435
21	345	365	355	365	375	410	460	450	520	475	460	450	470	480	460	440	405	460	360	360	345	340	360	360	411
22	355	360	295	360	370	385	425	495	445	450	425	410	415	465	440	470	435	395	390	345	310	310	350	345	392
23	355	360	365	365	360	365	380	390	420	545	590	530	455	510	550	505	435	385	365	300	310	320	355	355	411
24	335	345	355	360	375	390	405	420	420	415	405	415	445	470	420	385	395	395	380	380	370	360	355	370	390
25 Q	370	370	375	370	375	375	375	375	385	390	405	425	460	465	450	415	390	365	370	370	340	355	360	335	386
26	300	315	315	315	345	320	340	365	365	380	405	425	420	565	560	450	435	355	350	355	320	310	335	320	374
27	290	325	365	365	385	495	435	435	430	425	445	480	465	415	480	415	420	385	380	370	375	370	365	340	402
28	340	325	335	345	360	385	405	495	558	475	420	405	395	410	460	495	440	365	380	325	300	335	325	310	391
29	310	340	315	350	360	385	395	395	415	395	385	390	395	430	420	415	400	380	355	305	320	310	335	330	368
30	300	315	330	355	365	370	400	460	465	475	425	395	410	455	395	415	390	425	390	350	310	320	325	340	383
31	335	335	345	355	365	375	400	425	385	365	370	365	385	395	370	390	360	365	360	360	355	355	355	355	368
Mean	346	352	361	360	371	387	403	411	417	428	427	439	437	446	453	444	420	406	377	357	354	348	353	349	394

BAKER LAKE MAGNETIC OBSERVATORY 1957-1958





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

Table with columns for Hour U.T., Month Season, and 24 columns for hours 0 to 23.

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 67 Baker Lake 1958. Data for North Component of Horizontal Intensity. Rows include months (Jan-Dec), Year, Winter, Equinox, and Summer. Columns are hours 0-23.

EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 68 Baker Lake 1958. Data for East Component of Horizontal Intensity. Rows include months (Jan-Dec), Year, Winter, Equinox, and Summer. Columns are hours 0-23.

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 69 Baker Lake 1958. Data for Vertical Intensity. Rows include months (Jan-Dec), Year, Winter, Equinox, and Summer. Columns are hours 0-23.





PUBLICATIONS OF THE DOMINION OBSERVATORY

MEAN HOURLY VALUES OF MAGNETIC ELEMENTS

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	1951 Mean
<b>HORIZONTAL INTENSITY (gammas) (Quiet Days)</b>																									
3,500 γ +																									
<b>Table 76 Baker Lake</b>																								1951	Mean
January																									
February																									
March	183	176	174	175	177	177	173	178	182	183	178	169	168	140	114	122	128	122	165	182	198	224	269	256	170
April	217	199	192	198	193	191	206	211	214	216	209	215	181	151	125	131	132	167	187	200	220	226	217	214	192
May	257	245	232	214	217	224	223	228	229	223	212	202	171	114	71	55	28	165	188	220	254	253	239	241	196
June	255	226	219	207	210	216	212	223	229	247	233	223	210	191	178	177	164	158	171	206	246	229	274	237	217
July	229	206	242	217	220	229	230	231	224	224	226	195	184	143	131	124	131	160	180	208	210	237	259	234	203
August	250	231	204	195	208	214	214	217	220	210	181	183	158	111	124	140	146	131	180	215	231	233	233	232	196
September																									
October	199	207	200	191	186	182	187	195	197	195	189	187	185	176	162	156	156	171	183	197	210	227	216	201	191
November	218	208	197	197	201	190	193	199	197	198	198	241	176	175	170	134	149	171	189	210	223	215	210	217	193
December	228	225	211	206	154	174	188	208	210	201	203	202	194	181	167	159	179	188	202	211	219	229	228	223	199
<b>Year</b>																									
<b>Winter</b>																									
<b>Equinox</b>																									
<b>Summer</b>																									
<b>DECLINATION (degrees) (Quiet Days)</b>																									
TABLE UNREPRODUCIBLE																									
TABLE UNREPRODUCIBLE																									
<b>Table 77 Baker Lake</b>																								1951	Mean
January																									
February																									
March	1.80	2.10	2.11	2.13	2.01	2.00	1.64	2.07	2.38	2.42	2.44	2.62	2.57	2.63	2.81	2.59	2.46	2.32	2.16	2.24	2.36	2.59	2.59	2.44	2.31
April	2.30	2.12	2.02	2.06	1.99	1.98	2.17	2.30	2.50	2.58	2.61	2.55	2.86	2.88	2.88	2.75	2.65	2.46	2.26	2.28	2.65	2.78	2.60	2.33	2.44
May	2.20	1.89	1.63	1.42	1.47	1.62	1.69	1.84	1.84	2.07	2.11	2.43	2.86	2.99	3.00	3.69	3.48	2.49	2.88	3.18	3.34	2.88	2.58	2.31	2.41
June	2.38	2.21	1.74	1.74	1.86	1.87	2.08	2.21	2.28	2.31	2.63	2.70	2.87	2.55	3.33	2.93	2.79	2.55	2.59	2.58	2.73	3.39	2.90	2.40	2.48
July	2.02	1.81	1.86	1.91	1.61	1.49	1.65	1.92	2.12	2.07	2.18	2.72	2.67	2.91	3.31	3.21	2.95	2.72	2.75	2.85	2.68	2.79	2.25	3.32	2.41
August	2.32	1.95	1.75	1.84	1.94	1.71	1.68	1.90	1.90	1.97	2.05	2.55	2.49	3.01	3.25	3.11	2.82	2.62	2.58	3.18	3.12	2.85	2.73	2.37	2.41
September																									
October	2.34	2.39	2.34	2.33	2.27	2.01	2.32	2.31	2.40	2.43	2.55	2.55	2.54	2.59	2.61	2.65	2.58	2.49	2.43	2.47	2.43	2.36	2.04	2.14	2.40
November	2.32	2.39	2.29	2.29	2.26	2.29	2.05	2.31	2.44	2.49	2.56	2.57	2.62	2.61	2.62	2.68	2.49	2.45	2.33	2.48	2.68	2.44	2.40	2.36	2.43
December	2.45	2.49	2.42	2.36	2.08	2.03	2.20	2.33	2.44	2.57	2.52	2.51	2.57	2.62	2.61	2.55	2.46	2.43	2.48	2.60	2.45	2.44	2.50	2.52	2.44
<b>Year</b>																									
<b>Winter</b>																									
<b>Equinox</b>																									
<b>Summer</b>																									
<b>VERTICAL INTENSITY (gammas) (Quiet Days)</b>																									
TABLE UNREPRODUCIBLE																									
TABLE UNREPRODUCIBLE																									
<b>Table 78 Baker Lake</b>																								1951	Mean
January																									
February																									
March	217	219	222	226	233	245	281	306	290	266	256	266	299	292	292	265	240	228	231	227	224	209	178	190	246
April	160	181	188	196	208	219	209	218	224	235	274	262	290	281	247	229	224	220	216	199	203	152	137	163	214
May	101	102	139	191	198	218	234	235	256	286	323	302	313	330	326	294	205	178	204	178	130	97	90	86	305
June	138	145	178	164	193	224	241	240	239	254	291	286	304	284	273	247	197	201	250	248	242	179	136	141	221
July	91	117	140	166	198	238	243	190	269	275	290	293	301	322	298	219	194	205	191	192	143	135	117	100	205
August	134	138	178	197	224	226	296	289	249	251	298	318	326	338	281	220	194	205	201	169	165	124	96	91	216
September																									
October	150	163	177	185	187	206	201	191	182	209	203	211	214	209	209	201	190	179	179	182	182	174	150	165	187
November	181	190	199	199	212	222	220	218	223	225	226	233	237	231	225	220	202	195	199	199	165	157	163	158	204
December	192	200	202	205	234	215	237	234	234	244	238	242	244	242	234	236	215	215	212	212	209	204	186	181	219
<b>Year</b>																									
<b>Winter</b>																									
<b>Equinox</b>																									
<b>Summer</b>																									





























U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
1	46.7	31.7	37.7	23.5	36.0	30.5	20.0	27.0	30.0	21.0	19.0	11.7	18.0	16.5	27.7	40.3	50.0	100.0	128.0	164.0	105.0	68.0	7.3	15.7	
2	15.0	9.0	7.0	6.0	8.7	9.0	10.0	6.3	9.0	21.7	33.7	73.7	111.0	122.3	29.3	29.7	122.7	178.0	95.0	44.0	134.0	18.0	25.0	12.7	
3	26.0	37.3	44.0	42.0	24.7	27.0	65.7	16.0	30.0	24.0	42.0	58.0	111.0	45.3	51.0	34.0	16.3	39.0	42.0	27.0	29.3	42.7	17.7	17.7	
4	13.7	17.3	7.3	10.7	5.0	6.3	3.7	6.0	7.0	10.0	7.3	7.0	17.3	10.0	17.0	25.3	8.7	18.3	34.3	33.0	63.0	13.0	35.3	50.0	
5	41.0	23.0	33.3	23.0	80.0	100.0	33.0	53.3	74.0	130.0	65.7	92.0	34.7	20.0	14.0	28.0	28.0	15.0	15.7	29.7	41.3	25.3	25.7	33.3	
6	14.0	20.7	6.3	11.0	11.0	12.7	14.7	11.7	14.0	14.7	22.3	19.7	16.0	16.7	25.7	78.5	30.0	21.0	81.0	89.3	43.0	21.3	24.0	71.3	
7	15.3	11.0	19.7	89.0	100.0	11.0	6.7	9.3	10.7	8.3	16.7	16.0	34.0	19.0	20.0	44.0	12.0	26.7	21.3	55.0	41.0	15.3	27.0	25.7	
8	8.0	8.0	33.0	34.3	24.0	24.7	11.3	30.7	21.3	11.0	8.0	9.0	14.7	19.0	18.0	21.3	45.0	13.0	37.0	54.7	71.7	48.7	22.3	20.3	
9	28.0	52.7	14.3	6.0	5.7	4.0	7.0	7.7	25.3	3.3	4.0	16.0	9.0	23.7	43.0	45.0	43.0	97.0	20.7	18.7	33.3	12.7	14.7	7.0	
10	5.0	8.0	11.0	11.0	7.0	17.3	8.0	5.0	5.0	7.7	4.3	5.7	13.7	13.3	11.7	13.7	8.7	6.7	6.3	7.3	7.0	8.7	19.0	9.7	
11	9.0	9.3	18.0	9.7	5.0	6.3	3.7	4.7	6.0	9.0	9.3	9.0	13.3	22.0	9.7	9.3	9.7	10.7	7.7	9.0	25.0	17.7	19.0	31.0	
12	24.0	21.0	25.7	9.7	14.3	19.0	9.0	4.0	11.0	8.3	13.3	14.0	33.3	15.0	28.3	13.7	17.0	16.0	21.7	22.3	21.3	24.0	18.3	12.7	
13	8.3	9.7	9.7	7.0	7.0	1.3	4.0	2.0	1.3	2.0	5.3	6.0	8.7	21.7	10.0	13.3	13.0	6.0	10.7	8.3	7.0	10.7	6.7	8.7	
14	2.3	6.0	4.7	2.3	2.3	2.3	2.0	7.3	7.3	7.0	6.7	9.7	24.0	13.7	17.3	15.7	20.3	14.7	12.3	15.7	22.3	29.3	30.7	27.7	
15	7.7	12.3	13.7	6.0	10.3	6.7	2.0	3.0	4.3	6.0	8.0	18.7	12.0	6.0	6.0	22.3	7.3	12.7	8.7	13.7	11.3	11.0	10.7	6.7	
16	7.3	10.7	7.7	5.0	5.3	2.7	2.7	28.0	16.3	10.3	9.3	34.7	16.3	46.3	57.3	42.3	68.7	70.3	53.3	108.0	98.0	43.0	31.3	33.7	
17	18.0	11.0	12.3	7.7	4.3	3.3	3.7	3.7	5.7	20.0	13.3	11.3	12.0	17.3	43.3	21.0	28.3	10.0	9.7	26.0	20.0	13.7	15.0	12.0	
18	8.0	29.3	2.3	5.3	11.0	8.0	25.3	31.3	13.3	7.7	23.7	37.7	20.0	17.0	40.7	39.3	64.7	23.3	28.0	13.0	37.0	16.0	49.7	15.3	
19	11.3	39.0	23.0	8.0	8.0	7.3	9.7	11.3	14.7	22.3	22.3	30.3	10.7	37.0	80.0	50.0	55.7	31.3	32.0	35.0	24.0	17.0	8.0	10.3	
20	12.3	12.0	8.0	9.3	10.7	6.3	10.7	7.7	4.3	3.7	9.0	7.0	9.0	10.3	29.3	33.7	20.7	39.7	35.7	24.3	20.7	39.7	14.7	29.7	
21	18.3	6.3	7.3	4.7	2.3	3.7	3.0	2.7	2.7	7.7	10.7	7.7	16.7	7.0	29.0	25.0	11.7	5.3	6.0	13.0	22.3	17.7	20.0	21.0	
22	7.0	9.3	11.0	4.0	15.7	16.3	15.3	10.3	7.3	5.7	21.0	20.0	24.0	27.0	62.7	68.0	53.0	87.3	70.0	58.3	36.0	115.0	31.7	16.3	
23	21.0	10.3	9.3	28.3	27.7	25.3	12.3	4.3	5.3	10.3	13.3	7.3	8.7	14.3	13.3	23.3	9.7	15.3	22.3	17.7	14.7	19.3	42.7	36.3	
24	22.0	21.7	8.3	7.7	5.3	4.7	6.7	15.0	9.0	10.3	14.0	11.3	56.3	55.0	24.3	42.0	46.7	45.0	60.0	75.3	12.3	12.3	22.0	32.3	
25	28.0	26.0	14.7	4.3	5.3	18.3	10.3	9.7	10.7	10.7	8.3	8.7	7.0	17.0	38.0	29.7	23.7	9.7	8.3	14.3	17.0	19.7	12.3	13.3	
26	9.3	10.0	6.7	4.0	4.7	5.7	7.3	4.0	8.3	8.0	8.0	5.3	6.7	38.0	16.7	8.3	6.3	3.3	7.7	4.0	6.0	3.7	7.7	7.3	
27	8.0	2.0	2.3	7.7	5.0	3.0	2.0	3.3	3.7	2.3	3.3	8.3	7.3	14.0	16.0	15.3	6.0	7.7	6.3	5.0	34.0	48.0	23.3	34.0	
28	10.0	12.0	6.3	3.0	3.3	10.7	7.7	7.0	4.0	4.7	6.3	9.7	8.7	12.0	16.3	11.7	9.3	14.3	14.0	9.0	14.0	13.0	14.0	8.0	
29	8.0	10.0	20.0	18.0	18.0	8.0	7.3	14.0	10.0	14.0	83.0	30.0	15.3	28.3	67.0	19.0	46.0	13.3	25.0	19.3	28.0	34.0	33.3	11.3	
30																									
31	17.3	6.7	5.0	6.3	5.3	4.3	2.7	8.0	5.3	5.3	11.0	12.0	16.0	28.0	10.3	27.0	39.0	21.3	19.3	26.7	28.7	26.7	16.3	34.0	

NO RECORD

BAKER LAKE AUGUST 1957 TABLE 116

HOURLY RANGES in mms.

SCALE VALUE: 4.23  $\gamma$ /mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	25.6	6.5	21.3	12.1	8.1	14.3	25.1	15.0	9.7	12.0	13.3	8.5	15.5	26.0	21.6	10.8	10.9	39.6	17.0	17.8	12.5	18.0	16.1	9.2
2	26.3	12.1	8.0	15.6	4.0	3.0	4.2	8.0	11.3	8.0	6.4	12.3	23.0	23.0	25.1	23.0	28.0	19.0	13.9	25.9	25.0	27.2	20.8	8.5
3	8.0	14.0	3.8	3.8	4.5	8.0	5.9	6.4	9.4	9.8	33.2	11.3	8.9	31.0	8.0	30.4	143.5	151.0	56.7	118.0	32.3	39.6	34.7	43.8
4	26.9	44.0	14.9	12.2	19.7	10.5	11.0	8.6	10.0	21.0	16.5	17.3	12.5	17.0	22.2	27.0	21.1	17.9	18.1	12.0	7.4	10.0	10.3	19.0
5	24.0	4.6	3.6	1.9	1.3	5.5	3.0	3.7	1.5	2.7	5.8	4.3	11.9	12.2	7.9	31.0	24.0	20.2	34.2	16.0	12.2	9.0	14.1	28.0
6	27.2	15.3	21.0	5.0	10.0	17.2	15.5	18.2	14.0	20.2	46.2	31.0	25.0	28.3	25.2	155.8	43.1	68.5	49.5	11.0	15.0	20.3	10.1	6.2
7	42.3	11.8	5.6	5.0	13.5	5.6	4.0	5.1	7.2	15.2	9.0	19.0	14.0	16.7	33.0	29.9	18.0	32.3	22.1	22.2	13.8	6.0	11.2	11.9
8	7.0	5.0	8.9	4.2	4.4	7.7	9.6	17.4	4.0	4.8	7.4	19.7	16.3	24.5	28.8	15.0	14.4	8.1	12.1	25.9	14.2	14.2	15.6	37.9
9	17.1	9.5	57.5	45.0	11.0	4.4	8.0	9.2	9.5	4.0	6.9	7.0	6.5	50.3	27.2	23.2	27.0	15.7	21.2	40.5	20.0	68.0	55.3	28.0
10	8.5	12.0	17.5	25.2	8.0	5.6	13.2	7.2	7.8	8.3	12.8	4.3	6.0	5.8	6.1	16.9	22.2	16.0	27.3	22.1	12.4	27.0	53.0	22.6
11	19.0	10.0	8.0	3.7	5.3	2.3	2.3	4.5	5.3	4.0	6.8	12.3	22.5	32.2	34.7	47.0	12.0	6.3	6.0	11.1	9.8	22.2	21.1	8.0
12	8.8	10.0	14.4	27.0	13.1	10.4	6.8	7.7	27.9	24.0	15.7	20.0	22.5	24.6	51.0	88.0	63.8	46.0	49.5	63.0	30.0	20.9	17.0	6.1
13	17.0	21.7	16.2	52.0	57.2	11.0	18.0	13.0	11.8	15.3	15.5	25.0	65.0	37.0	10.2	22.5	19.0	26.5	16.4	30.2	25.0	13.0	15.3	19.4
14	6.5	6.5	5.6	3.0	5.3	3.0	7.7	7.2	4.5	8.3	9.1	19.0	20.0	33.0	33.0	24.6	36.5	26.2	17.7	23.0	39.9	15.0	15.8	7.2
15	23.0	6.0	12.3	8.6	2.4	4.6	5.3	8.4	7.4	11.5	12.0	6.3	8.8	14.0	24.5	9.6	8.0	14.0	20.3	27.0	26.0	30.0	15.7	15.4
16	12.0	6.0	15.0	22.5	3.5	3.0	1.5	1.5	2.0	2.3	4.6	7.3	11.0	13.3	17.5	15.3	10.5	6.9	6.5	13.1	15.6	14.0	9.0	5.0
17	5.0	10.0	4.0	3.2	1.5	1.8	1.3	2.2	1.6	2.2	4.9	2.0	5.0	23.0	11.6	17.3	11.6	5.3	7.7	9.0	6.1	15.0	14.0	9.6
18	14.0	6.5	9.0	4.2	3.0	3.0	2.1	4.0	2.3	3.1	15.6	16.0	22.0	23.1	10.0	9.0	6.8	13.1	24.7	34.0	27.2	79.0	39.0	21.0
19	14.5	21.5	24.0	12.0	13.2	15.0	4.6	5.2	14.0	15.0	22.3	13.0	15.3	20.0	18.0	14.6	15.4	17.0	16.0	6.2	10.2	5.0	8.2	7.2
20	8.2	18.3	16.3	7.5	10.8	6.0	9.0	5.2	3.4	10.5	10.1	11.0	13.0	52.0	25.6	50.0	68.0	42.4	54.0	71.0	38.0	55.0	49.0	13.0
21	23.0	24.0	26.0	13.0	9.8	12.0	10.2	10.0	6.0	10.3	10.7	12.0	11.3	13.0	17.0	8.1	34.0	52.0	11.6	11.1	2.8	5.3	7.0	3.3
22	3.5	7.0	4.2	3.4	2.0	3.5	1.7	3.0	5.0	3.1	5.9	9.7	10.6	13.0	5.9	7.1	5.9	13.3	10.5	5.0	9.0	7.5	17.0	14.5
23	5.2	3.5	3.7	1.0	2.5	1.5	1.8	1.2	2.0	5.4	4.2	4.9	8.0	5.3	14.0	11.0	5.4	6.9	6.9	4.0	6.2	7.5	6.5	4.2
24	4.0	3.0	2.3	3.0	3.0	3.4	2.0	2.0	2.7	1.8	3.3	10.5	5.5	11.0	8.0	18.8	9.0	8.0	3.7	3.2	3.3	20.0	6.7	4.3
25	4.5	2.6	2.6	2.0	2.0	3.2	4.3	2.0	3.0	4.3	3.2	6.1	4.1	10.1	12.8	27.3	16.2	16.8	26.7	26.9	24.3	24.3	17.2	17.6
26	8.4	6.8	7.9	3.0	4.0	3.4	2.0	3.3	3.7	4.1	5.2	8.5	8.5	28.5	16.8	44.0	58.0	71.5	45.2	23.0	23.2	24.2	25.6	27.4
27	12.0	10.1	7.2	21.5	17.0	10.3	8.0	13.0	7.4	11.8	26.5	23.5	20.7	18.2	35.7	50.2	84.0	38.5	78.0	52.0	50.0	50.0	24.0	25.8
28	17.8	10.6	4.3	9.5	5.8	3.3	19.0	11.0	10.1	5.0	10.9	5.2	23.0	16.2	37.0	26.3	43.0	15.2	20.3	15.2	25.0	16.0	29.0	24.2
29	13.0	13.0	9.1	4.0	2.3	3.1	5.0	2.3	3.0	3.5	4.5	8.1	24.0	18.0	25.0	27.6	30.3	25.0	9.6	*122.0	*45.0	63.0	78.3	36.6
30	45.0	34.8	44.1	42.0	13.1	18.5	27.8	16.0	21.8	31.1	13.2	25.0	17.2	28.0	24.0	24.7	62.0	91.3	47.2	20.1	19.0	8.0	19.0	13.1
31	11.0	16.0	6.4	4.5	11.0	24.7	14.5	13.2	10.6	14.0	9.5	15.4	106.0	52.7	96.0	112.0	126.0	151.0	67.0	65.0	63.6	34.0	48.0	29.8

\* greater than

BAKER LAKE SEPTEMBER 1957 TABLE 117

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	0-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	30.0	33.0	33.0	46.5	28.5	31.0	22.0	12.0	13.3	11.0	7.7	22.2	23.0	14.3	18.5	25.0	15.5	16.5	12.3	31.0	15.0	9.0	30.6	20.0
2	10.2	17.2	59.5	53.0	135.0	95.0	89.5	23.0	64.0	31.5	27.5	41.0	54.5	74.0	73.0	150.0	140.0	128.0	116.0	104.0	59.0	42.0	34.0	20.0
3	29.0	29.0	16.0	18.0	13.3	19.0	24.3	22.3	38.6	38.5	58.0	103.0	177.0	136.0	85.5	142.0	152.0	119.0	131.0	58.5	24.0	26.0	38.0	19.5
4	14.0	9.5	8.2	14.3	44.0	26.0	11.0	13.0	8.3	10.2	7.6	17.5	34.8	90.0	176.0	117.0	51.0	71.5	178.0	175.0	181.0	125.0	41.5	41.0
5	61.0	29.0	19.0	64.5	12.5	24.0	28.0	16.5	20.3	29.0	17.5	12.5	12.5	17.5	44.0	25.5	48.0	66.0	58.0	78.5	39.0	64.0	49.0	28.0
6	11.0	14.3	16.0	85.0	6.0	18.0	7.2	4.0	6.2	5.7	21.0	14.0	108.0	62.5	105.0	90.5	132.0	146.0	139.0	78.0	10.0	16.6	36.2	17.0
7	19.5	13.5	10.5	12.5	8.0	29.0	6.0	4.0	4.0	2.0	6.0	20.0	8.0	23.0	26.0	38.0	18.0	12.0	11.0	9.0	14.0	18.0	16.0	16.0
8	4.0	4.0	3.0	2.3	2.2	3.0	3.0	2.3	1.3	6.0	3.2	7.8	14.5	18.0	31.2	36.7	33.5	50.5	12.3	10.5	9.0	22.0	19.0	14.3
9	6.0	5.2	20.0	12.0	5.0	16.0	11.2	8.5	6.0	9.0	11.0	20.8	23.0	24.0	48.0	42.2	18.6	26.0	17.5	18.3	25.0	18.0	5.0	5.2
10	3.0	1.5	7.0	1.0	3.0	2.5	6.0	3.5	6.3	8.2	10.5	11.5	13.5	12.5	22.0	39.2	20.2	34.0	10.2	10.0	13.3	9.0	15.8	19.5
11	3.3	5.5	4.5	5.5	4.2	2.6	6.2	6.0	9.2	7.0	4.5	6.0	12.5	8.0	12.0	22.0	27.0	14.0	27.0	14.6	14.0	7.0	13.2	7.2
12	5.0	7.5	2.6	4.2	5.6	2.5	5.8	7.2	5.2	6.2	10.2	10.0	12.2	24.0	21.6	28.5	21.0	14.3	16.0	10.3	11.0	39.0	18.0	26.0
13	86.0	98.0	66.0	74.0	129.0	90.0	40.0	26.0	46.0	50.0	62.0	24.0	30.0	34.0	50.0	67.0	40.0	40.0	50.0	45.0	22.0	32.0	23.0	16.0
14	17.0	17.0	8.8	6.3	7.0	9.3	5.0	24.5	80.0	61.0	14.0	24.0	21.5	33.0	95.5	88.0	99.0	32.0	10.5	14.0	37.2	16.5	20.0	12.3
15	4.0	9.0	8.5	5.5	12.0	11.3	3.8	3.0	4.2	4.0	14.0	17.0	14.5	18.0	23.2	17.0	34.0	96.0	59.5	41.0	43.0	54.0	25.0	11.0
16	6.0	5.0	10.5	8.0	51.0	8.3	10.0	6.0	4.5	3.0	5.6	6.0	7.0	9.3	11.0	17.6	14.3	14.2	32.0	18.5	13.0	13.0	12.0	20.0
17	3.2	5.2	11.0	7.0	14.5	5.0	2.0	7.0	12.0	8.3	6.5	15.0	18.0	21.0	19.0	30.5	32.3	36.2	30.0	24.5	23.5	9.0	10.0	5.5
18	8.0	5.0	8.6	9.0	8.2	6.0	4.0	3.5	2.2	3.0	4.0	5.5	26.0	25.0	23.0	23.5	17.5	22.0	42.2	16.0	14.5	10.0	50.0	10.0
19	6.5	6.0	6.2	4.0	2.6	3.0	7.6	9.0	11.0	7.0	5.2	12.0	5.5	17.0	14.5	16.0	13.0	28.0	23.0	10.0	13.0	4.5	4.5	16.0
20	18.0	4.0	5.0	2.0	3.0	4.0	3.5	7.5	3.5	9.5	8.5	8.0	12.0	16.0	15.5	23.0	22.0	20.5	15.5	9.0	8.0	32.0	10.0	5.0
21	6.0	5.0	2.6	2.5	6.0	9.5	11.5	3.0	7.0	4.0	83.0	105.0	24.0	43.5	42.0	69.0	35.0	56.0	21.0	37.0	48.0	83.0	88.0	50.5
22	13.5	11.0	14.0	7.5	22.5	8.2	19.0	8.5	10.8	16.5	14.0	10.0	24.0	58.0	160.0	108.0	176.0	113.0	91.0	86.0	62.0	59.0	34.0	44.0
23	35.0	26.5	55.0	86.5	59.0	28.0	34.2	21.0	16.0	29.6	17.0	104.0	41.0	115.0	103.0	50.0	52.0	36.0	74.0	52.0	44.0	26.0	37.0	14.0
24	11.0	8.0	11.0	16.2	11.5	90.2	42.3	38.8	9.0	11.0	21.0	23.0	13.0	49.0	53.5	32.0	39.0	35.5	27.5	52.0	25.0	30.5	25.5	12.0
25	13.5	24.5	21.5	19.0	16.5	21.5	8.5	17.0	50.0	10.2	17.5	24.0	10.0	31.0	59.5	37.5	16.0	12.0	17.0	12.0	10.5	24.2	13.0	12.5
26	5.0	5.3	3.0	3.0	7.0	13.0	7.2	6.5	7.0	10.2	7.2	16.5	11.0	15.2	8.7	19.0	42.5	20.0	18.0	17.0	13.6	13.0	7.0	6.0
27	4.0	3.5	1.6	1.3	2.8	5.0	1.6	3.0	5.0	3.0	3.5	6.0	7.0	11.0	16.0	29.0	29.0	29.0	32.5	13.0	7.5	21.5	13.0	10.2
28	16.5	5.0	4.0	11.0	22.0	9.2	6.2	7.0	5.0	6.5	5.0	5.7	12.0	21.0	14.0	18.8	14.0	12.0	25.7	27.0	14.0	24.5	3.7	8.0
29	24.0	22.3	24.0	21.0	26.0	36.0	71.0	35.0	66.0	43.0	36.5	35.0	40.0	132.0	60.0	32.8	17.0	67.5	81.0	48.0	57.0	86.0	33.5	38.5
30	33.0	15.0	16.0	47.0	17.0	33.3	11.6	16.5	25.6	29.0	19.0	16.0	14.3	23.0	45.0	32.0	29.5	38.0	62.0	51.0	30.2	30.0	30.0	19.5

\* greater than

BAKER LAKE OCTOBER 1957 TABLE 118

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	16.0	14.0	14.0	12.5	10.5	5.0	6.3	6.7	8.0	7.7	9.0	13.0	12.0	47.0	58.3	45.0	21.0	28.0	80.0	28.7	22.0	32.3	22.3	10.0
2	10.7	16.0	22.3	25.3	5.7	5.3	3.0	4.3	4.0	5.7	8.0	8.3	15.3	19.3	31.7	35.3	20.0	14.7	12.0	25.3	20.7	45.0	14.3	18.0
3	25.0	15.0	6.0	2.3	8.0	3.7	3.7	3.7	6.0	8.7	6.0	16.0	45.0	49.3	87.0	82.7	125.0	120.0	122.7	63.3	31.7	39.0	29.7	19.0
4	10.3	10.0	7.0	5.7	9.7	10.7	12.0	8.3	2.7	7.7	6.3	8.7	16.0	35.0	34.3	32.3	100.0	68.7	37.3	30.0	40.7	15.0	22.7	11.0
5	4.7	6.3	3.0	3.0	10.0	29.7	9.0	2.3	3.7	18.3	8.0	11.0	4.3	13.0	22.0	15.7	12.7	30.7	22.7	16.3	21.7	13.3	19.0	16.3
6	2.0	11.0	3.0	1.3	5.0	4.0	3.7	5.0	7.0	6.7	3.3	2.7	4.0	3.0	6.7	3.7	3.3	6.7	3.0	5.0	3.0	7.7	7.0	3.3
7	1.7	6.0	3.7	2.3	3.7	2.3	7.7	14.0	1.7	5.0	6.7	15.7	5.3	9.3	24.0	6.7	13.0	10.0	7.3	13.7	14.0	15.0	12.3	8.7
8	10.3	5.3	1.7	2.0	1.7	2.0	1.0	1.0	1.0	1.3	2.3	3.7	3.7	4.0	6.3	5.7	3.0	3.0	8.0	3.0	6.3	5.7	3.0	2.0
9	2.3	2.3	5.7	4.0	3.3	5.0	3.3	2.7	7.3	5.0	5.3	8.0	7.7	9.0	19.3	16.7	23.0	53.7	32.0	23.0	44.0	11.3	11.0	11.0
10	3.3	3.0	9.7	9.7	17.7	11.3	7.3	8.0	5.7	10.0	2.7	9.0	19.0	9.7	9.0	15.7	25.7	31.3	23.7	37.7	28.7	16.0	7.0	16.0
11	13.0	5.7	24.0	32.0	4.7	17.3	8.3	6.7	4.0	7.3	7.3	12.7	15.0	22.0	8.0	25.3	20.0	20.0	53.0	37.0	25.3	19.3	10.7	7.7
12	8.0	4.3	6.0	4.3	7.0	12.0	3.0	2.7	6.7	12.0	16.3	14.0	11.0	19.3	44.0	34.7	34.0	17.7	26.7	21.0	7.0	17.3	18.3	9.0
13	5.0	4.0	10.7	4.0	3.0	12.0	9.7	5.7	6.3	4.3	7.0	4.7	8.3	13.7	24.3	9.3	44.0	54.3	18.0	23.3	34.3	12.7	6.0	9.0
14	3.7	12.3	11.0	4.0	17.3	15.7	14.7	11.3	9.7	9.7	15.3	24.7	17.0	29.0	44.7	24.3	42.0	42.0	27.0	67.3	40.7	27.0	17.0	10.0
15	18.0	8.7	3.0	4.0	4.0	7.0	5.0	1.7	2.3	2.0	1.7	6.0	5.7	21.7	27.0	16.3	24.7	17.7	22.0	14.7	12.0	21.7	9.7	17.3
16	3.7	5.3	2.3	1.3	1.3	1.7	1.3	3.0	1.3	3.3	3.0	3.3	8.7	12.7	10.0	15.7	12.3	9.0	9.7	7.3	7.0	6.7	5.0	2.7
17	3.3	3.3	3.0	2.3	2.3	2.7	3.0	1.3	2.0	2.0	3.3	10.0	8.0	6.3	24.7	22.7	6.0	10.7	7.3	4.0	5.0	5.0	14.7	10.3
18	3.7	7.7	3.3	4.0	3.0	2.3	2.7	2.7	5.0	4.3	6.0	4.7	4.7	9.0	17.7	16.0	19.7	17.7	31.3	32.0	17.7	9.3	7.0	5.3
19	3.7	3.0	4.0	4.3	4.0	4.7	8.3	11.3	14.7	12.0	18.3	15.0	11.7	16.0	18.0	27.3	11.3	10.0	8.7	31.0	16.3	18.7	15.7	12.7
20	0.7	2.3	2.7	4.7	2.0	6.0	4.0	0.7	0.7	3.3	4.0	8.0	8.0	8.3	14.7	11.3	19.0	22.3	28.7	15.0	22.3	17.0	14.3	18.0
21	10.0	3.3	5.3	7.3	5.3	4.7	5.0	2.0	8.0	5.7	12.0	14.0	7.5	48.0	47.0	154.0	84.3	45.3	9.0	54.0	74.5	25.0	55.5	56.0
22	40.3	44.5	25.0	28.3	19.5	29.7	26.0	24.3	18.0	12.0	12.7	21.0	19.0	27.0	21.0	38.5	98.5	61.5	34.0	16.0	27.7	51.3	49.3	24.0
23	29.5	45.0	7.0	7.0	3.0	6.7	4.5	6.0	5.5	15.0	11.3	11.5	15.0	22.0	17.0	25.0	31.0	29.0	13.0	18.0	31.0	22.0	36.0	24.0
24	9.5	5.0	7.3	6.0	2.0	5.0	3.5	7.0	3.5	4.0	6.0	8.0	10.0	12.0	36.0	22.7	29.0	27.0	35.0	52.0	14.3	11.5	17.0	10.0
25	5.3	18.0	17.5	6.3	7.5	4.0	4.0	4.5	4.3	6.0	17.0	13.0	25.0	23.3	11.7	29.3	28.0	10.0	13.3	9.5	7.5	22.0	16.5	20.0
26	6.3	7.5	6.5	4.0	6.5	9.0	6.0	10.0	3.3	5.3	6.7	4.0	9.0	22.0	21.7	36.0	15.5	7.0	10.5	9.5	20.0	12.3	10.0	6.0
27	3.0	4.0	2.0	5.3	5.3	4.3	3.5	2.0	4.3	5.3	4.0	4.5	27.0	26.5	36.3	53.3	42.5	12.0	12.0	12.0	21.0	27.0	8.0	9.5
28	11.0	19.0	23.0	6.0	3.3	8.0	5.3	15.0	5.0	7.3	10.0	11.0	10.5	22.7	27.7	28.0	12.0	35.0	39.0	8.0	33.3	12.3	11.0	10.5
29	6.5	12.5	5.0	7.0	4.5	4.3	2.7	7.0	15.0	9.0	10.7	8.0	21.0	11.3	18.0	20.3	23.0	21.0	30.0	28.3	41.5	34.0	23.0	9.0
30	14.5	6.0	11.5	10.5	12.0	5.3	9.5	62.0	90.0	4.0	7.0	13.0	16.0	15.0	25.0	24.0	34.0	17.0	18.7	8.5	6.0	8.3	12.0	4.0
31	3.0	2.0	2.0	3.0	1.5	3.0	2.0	3.0	2.5	6.5	8.5	3.5	33.0	60.7	33.0	12.3	14.0	13.3	9.0	9.5	8.0	11.0	5.0	6.3

BAKER LAKE NOVEMBER 1957 TABLE 119

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	2.5	2.5	2.0	9.5	7.0	8.5	3.0	4.7	2.2	4.0	8.0	6.0	16.3	9.0	27.0	35.3	18.0	11.0	9.5	10.0	15.0	8.5	7.3	10.0
2	5.0	4.0	5.5	3.0	5.0	1.3	5.3	15.7	5.0	3.5	9.0	7.0	6.7	18.3	11.3	7.7	4.0	8.3	8.0	9.0	7.5	10.7	18.3	4.0
3	11.3	10.3	8.3	2.5	3.3	3.0	6.3	7.0	22.7	20.0	46.5	11.3	23.5	16.3	22.3	10.0	16.0	24.0	44.3	13.0	5.5	8.3	5.7	4.0
4	2.5	1.7	4.3	2.0	1.3	2.5	2.5	1.0	1.3	2.0	3.5	1.7	1.5	3.0	5.7	6.0	5.7	11.3	6.7	8.3	12.0	7.0	9.3	4.5
5	3.0	1.5	4.7	3.0	2.0	2.0	2.5	3.0	3.0	7.5	13.0	9.3	8.5	13.7	12.7	13.0	9.0	9.5	10.5	12.3	15.0	11.7	6.0	7.0
6	7.0	8.5	3.7	4.5	6.0	5.3	4.5	2.3	16.5	5.0	9.5	5.0	9.5	5.7	17.0	26.0	11.0	14.3	94.5	96.0	65.0	33.0	12.3	38.0
7	14.5	32.0	23.0	17.0	11.0	9.3	8.0	9.5	9.3	10.0	10.3	6.0	9.7	8.5	13.0	32.3	35.0	46.5	19.0	18.0	12.5	8.5	5.0	7.3
8	7.0	5.7	2.3	1.7	3.0	7.0	13.0	15.3	15.0	21.0	9.3	7.0	18.7	24.7	33.5	25.0	20.0	34.0	22.0	20.2	21.0	19.0	12.3	17.0
9	25.3	7.0	10.3	10.5	25.5	18.3	20.0	12.0	11.0	9.0	8.3	15.0	8.0	18.0	19.0	40.0	25.5	55.0	69.7	48.3	11.0	7.3	11.5	8.0
10	12.3	11.3	3.0	5.5	32.0	61.7	22.0	9.0	10.5	13.5	25.7	31.0	40.6	29.0	38.0	44.3	64.5	21.0	92.0	45.3	32.0	23.0	12.3	4.0
11	7.5	7.7	15.3	13.0	58.0	56.0	17.0	8.7	6.0	27.0	85.0	25.0	22.0	9.7	35.3	42.3	30.0	26.5	48.3	65.0	21.0	18.0	16.7	8.0
12	8.3	7.3	7.5	1.3	4.7	3.0	64.3	38.3	11.0	45.0	45.0	5.5	12.7	28.0	19.0	11.0	23.0	46.3	26.0	17.3	10.3	18.3	10.0	8.5
13	7.0	7.5	3.5	3.0	1.5	3.8	6.0	5.0	7.7	5.0	14.0	6.3	21.0	14.0	19.0	39.7	24.3	39.0	16.0	16.3	11.0	11.0	7.7	7.7
14	8.0	8.0	10.0	9.7	8.3	5.0	5.3	9.3	9.7	12.5	14.0	11.3	22.0	24.0	26.3	29.3	70.0	78.0	83.0	36.3	20.0	32.3	12.5	13.0
15	7.0	6.0	18.5	37.0	12.0	6.0	20.0	9.0	8.0	14.0	18.0	15.0	14.3	12.0	22.0	48.0	37.0	38.0	8.0	36.3	23.0	19.0	13.0	15.0
16	7.3	7.0	11.3	7.0	5.3	2.7	3.0	6.0	5.7	6.7	7.5	8.7	14.3	8.0	36.3	32.0	14.0	62.3	21.7	12.3	9.0	10.0	7.3	5.0
17	7.5	3.5	3.5	6.3	2.7	4.0	12.5	5.0	2.0	2.5	2.0	4.3	5.3	8.3	13.3	13.0	13.0	14.5	10.0	5.0	5.0	3.7	6.3	15.3
18	6.0	4.5	16.0	14.0	7.5	3.0	15.0	8.0	11.0	3.3	14.0	19.0	17.0	10.3	23.0	37.0	41.0	22.0	34.5	20.3	6.3	6.5	6.0	5.5
19	4.0	8.0	3.3	5.7	6.0	14.0	5.0	4.5	14.0	15.3	7.7	6.7	7.0	19.0	13.7	35.0	17.0	12.0	15.0	8.5	8.3	11.0	14.0	5.0
20	3.0	8.5	12.3	12.0	21.0	19.0	15.0	4.3	3.0	7.5	8.0	16.0	8.3	17.0	27.5	15.0	13.3	20.0	16.0	14.0	15.5	9.0	8.0	13.0
21	3.0	3.0	2.0	2.0	2.0	1.7	3.3	3.0	5.3	2.0	1.7	3.5	8.3	10.7	16.7	12.0	5.0	7.0	8.5	9.3	11.0	11.0	6.5	5.5
22	8.0	3.0	3.0	2.0	3.0	5.0	26.0	46.3	7.0	3.0	2.0	7.0	5.5	7.0	14.3	19.3	14.0	21.3	13.0	6.3	7.0	2.0	4.3	1.5
23	1.5	2.7	1.0	2.0	1.0	1.0	3.0	4.3	2.7	5.0	3.3	6.3	4.0	18.3	15.0	16.0	11.0	11.7	11.3	12.0	14.3	7.0	10.0	23.0
24	16.0	4.7	5.3	6.0	17.5	7.0	5.7	11.0	7.7	13.0	6.5	4.0	11.3	18.0	21.3	31.7	47.0	33.0	46.5	34.7	18.3	16.0	18.5	16.0
25	10.3	6.7	17.0	24.3	14.7	5.5	21.7	27.0	62.0	15.5	25.3	15.0	13.3	10.0	19.0	37.3	34.0	21.0	11.3	50.5	27.7	22.5	11.0	9.0
26	10.5	19.0	15.7	13.0	13.0	46.7	26.3	20.0	21.0	39.0	39.7	25.3	30.3	30.0	69.3	57.7	76.0	53.0	80.0	88.0	27.3	22.3	29.0	22.0
27	11.5	18.0	30.0	17.5	14.0	8.0	15.0	5.3	23.0	10.0	33.7	53.0	11.0	13.3	31.5	24.0	16.5	40.7	32.5	32.3	28.0	18.0	11.5	7.3
28	5.5	8.0	33.3	21.0	5.3	4.0	14.5	28.0	82.0	24.3	24.5	33.0	35.0	32.0	30.0	27.0	40.0	40.0	22.0	24.0	22.0	11.3	14.0	10.0
29	12.0	11.0	13.0	14.3	10.3	5.5	6.0	5.3	4.0	51.5	26.5	43.0	13.0	22.0	33.0	56.0	66.0	47.0	25.3	19.0	11.3	18.0	7.0	9.3
30	5.0	15.5	6.0	6.0	5.0	3.7	9.0	29.3	8.0	6.0	6.0	10.5	14.7	14.0	12.0	39.0	17.0	13.0	18.0	8.0	10.3	13.0	6.0	6.0

BAKER LAKE DECEMBER 1957 TABLE 120

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U. T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	7.5	5.5	11.0	16.0	16.5	10.5	8.5	12.5	13.0	10.5	9.5	8.0	15.0	15.0	22.0	38.0	44.0	31.0	24.0	18.0	24.5	23.5	6.0	8.5
2	16.5	8.0	12.0	9.0	3.0	11.0	16.0	75.0	21.0	16.5	11.0	18.5	14.5	18.5	42.0	46.0	88.0	19.0	21.0	21.0	13.0	8.5	6.0	10.0
3	4.0	2.5	3.5	7.5	10.0	10.0	16.0	53.0	9.5	7.5	8.0	14.0	23.0	27.0	19.5	29.0	29.5	29.5	23.5	18.0	20.0	7.5	11.0	6.5
4	4.0	4.0	10.0	32.0	6.0	4.0	65.0	61.0	6.0	4.0	10.0	6.0	4.0	16.0	6.0	14.0	12.0	12.0	10.0	7.0	10.0	12.0	2.0	2.0
5	4.0	3.5	5.0	14.0	12.5	10.5	4.0	8.0	10.0	14.0	9.5	7.0	7.0	27.5	15.0	15.0	18.0	29.0	9.0	23.0	23.5	26.5	9.0	13.0
6	20.0	12.5	8.0	12.5	4.5	102.5	10.5	18.0	14.0	11.0	17.5	69.5	63.0	53.0	22.0	30.0	22.0	25.0	41.5	18.0	16.5	12.0	4.0	4.0
7	7.5	4.5	11.0	10.0	8.0	5.5	16.0	8.0	30.0	31.0	29.5	11.5	56.0	49.0	22.0	20.5	49.5	25.0	33.0	23.5	16.5	21.0	9.0	12.0
8	12.5	3.5	5.5	4.5	21.0	65.0	55.0	24.0	6.0	6.0	7.5	15.5	10.5	12.5	16.0	27.5	31.5	20.0	28.0	23.0	16.5	11.0	10.0	2.5
9	11.5	6.5	7.0	7.0	17.5	7.0	6.5	6.0	6.5	17.0	14.5	16.5	12.5	24.0	12.0	11.0	13.0	24.0	27.0	11.5	17.5	7.5	22.5	10.0
10	14.0	6.0	11.5	73.0	6.0	8.5	7.0	8.0	7.0	20.0	37.5	13.0	5.0	6.5	7.0	12.5	10.0	14.0	4.0	8.5	3.0	6.0	9.5	11.0
11	12.0	11.0	5.0	30.5	26.0	51.0	23.5	26.0	58.0	26.5	18.0	20.5	14.5	12.5	33.0	11.0	45.5	67.0	56.0	56.5	31.5	22.5	14.5	17.5
12	8.0	15.5	17.5	11.0	6.0	30.0	94.0	13.0	7.0	12.0	19.0	33.5	21.5	23.0	37.5	50.0	55.5	57.0	61.5	57.5	39.5	20.0	11.5	9.0
13	13.0	7.5	9.5	9.0	44.0	44.5	15.5	6.0	11.5	11.5	118.0	60.0	37.0	28.0	35.5	27.0	26.0	52.0	36.0	14.0	20.0	9.5	3.0	4.0
14	5.0	5.5	11.5	6.0	8.5	11.0	2.5	33.5	12.0	4.5	6.5	4.5	5.0	4.5	12.0	9.5	11.5	15.0	15.5	10.5	15.0	13.0	5.5	16.0
15	14.5	7.0	4.0	3.0	4.0	16.0	46.0	15.0	5.0	10.5	16.0	25.0	14.0	53.5	41.0	30.0	41.0	73.0	22.0	27.0	4.0	4.0	4.0	4.0
16	15.0	9.0	6.5	5.5	2.0	4.5	8.5	30.0	18.0	6.0	4.5	11.0	9.0	20.0	25.5	27.5	37.0	19.0	59.0	47.0	24.5	14.0	16.5	12.5
17	14.0	6.5	23.5	60.0	10.5	7.0	14.0	39.5	22.5	14.0	14.5	6.0	14.5	9.0	33.5	22.5	24.0	31.5	56.0	36.0	23.0	23.5	13.0	13.5
18	22.5	5.5	4.0	50.0	23.0	6.5	9.0	9.0	9.0	7.0	9.0	15.5	10.0	36.5	27.0	50.0	29.5	31.5	17.0	13.0	6.0	15.5	8.5	16.0
19	8.0	6.5	14.0	67.0	25.0	21.0	6.0	8.5	10.0	21.0	19.5	23.5	18.0	16.0	12.5	14.5	39.0	29.5	31.0	15.0	57.0	22.0	10.0	8.0
20	12.0	10.0	8.0	6.5	7.0	7.0	22.5	14.0	13.0	16.0	6.5	20.0	15.0	18.0	21.0	32.5	41.0	28.0	79.5	47.5	38.0	17.0	26.0	8.0
21	11.5	14.5	6.0	33.0	37.0	88.0	13.0	21.0	16.5	15.5	16.5	17.0	12.0	15.5	29.5	44.5	35.0	26.0	13.5	13.0	10.0	13.0	12.5	15.0
22	18.0	10.0	4.0	4.0	4.0	8.0	10.0	6.0	2.0	10.0	6.0	4.0	4.0	6.0	4.0	8.0	8.0	10.0	6.0	8.0	2.0	2.0	2.0	6.0
23	10.5	7.5	3.5	6.0	3.0	2.0	3.0	6.5	10.5	4.5	8.0	5.0	4.0	6.5	11.0	5.0	10.0	9.0	5.5	3.5	6.5	3.0	5.5	3.0
24	6.0	3.0	2.0	3.0	3.0	3.5	6.0	2.5	1.0	4.5	2.0	7.5	7.5	19.0	20.0	20.0	16.5	12.0	18.0	16.0	20.5	9.5	5.5	6.0
25	5.0	5.0	2.0	8.5	4.5	6.5	6.0	14.0	7.5	2.5	7.0	4.0	7.0	11.0	6.5	37.5	23.0	24.0	28.5	27.5	23.5	9.5	12.5	9.5
26	11.0	6.0	4.0	13.0	30.0	69.0	22.0	22.0	8.0	7.0	35.5	27.0	15.5	17.0	11.0	21.0	43.0	57.0	40.0	39.0	9.0	5.0	2.0	7.0
27	5.5	3.5	7.5	7.0	13.0	2.0	5.0	2.0	2.5	2.0	0.5	2.0	2.5	4.0	10.5	8.5	15.0	10.5	2.5	7.0	13.0	9.0	13.0	14.0
28	6.5	5.5	5.5	4.0	2.5	6.0	5.0	2.5	3.5	2.5	3.0	3.0	2.5	4.5	4.5	9.5	8.5	4.5	5.0	7.0	7.0	4.5	5.5	6.5
29	2.0	4.0	3.0	4.0	4.0	2.0	1.0	2.0	4.0	5.0	3.0	6.0	6.0	18.0	14.0	6.0	17.0	15.0	3.0	7.0	13.0	14.0	3.0	8.0
30	8.0	12.0	3.5	12.5	4.0	5.0	13.0	14.0	8.0	15.5	19.0	9.0	22.5	29.0	10.0	12.5	7.0	6.0	6.5	5.0	7.5	7.5	6.0	2.0
31	5.0	4.0	11.0	15.0	32.0	11.0	8.0	12.5	13.5	20.0	11.5	14.5	10.0	30.0	12.0	6.0	8.0	14.0	4.5	11.0	14.0	16.0	12.0	8.5

BAKER LAKE JANUARY 1958 TABLE 121

HOURLY RANGES in mms.

SCALE VALUE: 4.23  $\frac{\text{gammmas}}{\text{mm}}$ .

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	15.5	7.3	12.0	15.3	9.3	20.3	31.0	10.5	7.5	12.5	12.0	12.7	10.5	10.3	11.5	9.5	32.0	25.0	25.0	15.0	10.3	9.3	8.3	10.0
2	10.3	8.0	5.3	2.0	4.5	5.0	4.5	3.5	7.5	11.0	6.3	19.0	16.5	7.5	5.0	7.0	18.0	11.0	13.0	11.0	11.7	8.3	4.3	3.3
3	4.0	2.5	2.0	6.5	2.5	4.0	20.0	10.5	3.5	2.0	2.3	5.7	2.3	3.0	11.5	8.3	9.5	6.0	13.0	13.0	11.0	3.5	3.0	1.5
4	1.5	1.5	2.5	1.0	2.5	4.5	3.5	1.7	4.0	2.0	2.0	2.5	6.0	3.7	4.3	3.3	2.7	4.0	2.0	1.5	8.0	4.0	2.7	11.5
5	9.5	2.0	10.3	2.0	3.5	4.0	25.3	5.0	4.0	3.3	5.7	4.0	6.5	4.0	8.7	10.0	13.5	10.3	6.0	5.5	6.0	5.0	3.5	7.0
6	4.5	2.7	3.0	18.0	16.0	13.0	2.5	6.0	5.3	10.0	5.0	6.0	4.0	26.3	14.0	23.3	8.3	17.5	18.0	10.3	8.0	8.0	12.0	16.0
7	6.0	3.0	3.0	4.0	2.0	7.0	1.0	4.0	10.0	5.0	5.0	3.0	6.0	12.0	8.0	16.0	12.0	9.0	9.0	17.0	6.0	6.0	3.0	4.0
8	5.0	6.0	8.0	5.5	6.5	2.0	9.0	9.0	4.7	10.0	6.0	5.5	4.0	11.0	12.5	11.3	11.3	11.0	9.7	7.3	3.0	3.0	6.0	3.7
9	3.5	4.0	24.0	17.5	4.0	3.0	3.3	2.5	3.0	5.0	7.0	4.5	5.3	12.0	20.3	38.5	43.0	11.0	22.0	11.0	26.0	14.3	12.5	11.0
10	10.5	9.0	9.0	4.7	1.3	3.3	1.3	7.0	2.3	5.5	3.5	7.5	2.5	7.0	6.0	7.0	23.0	23.0	15.0	13.7	5.0	2.0	3.0	6.0
11	6.0	11.3	10.0	3.5	2.0	4.3	3.3	4.3	6.0	5.7	7.5	9.5	8.0	10.5	27.5	41.0	23.0	18.0	36.0	13.0	45.0	14.0	4.0	11.0
12	7.0	11.0	6.7	5.0	6.0	11.0	4.3	11.0	3.3	6.0	8.3	6.0	5.7	10.0	9.0	29.0	26.3	18.3	15.0	31.0	17.0	11.3	17.0	9.0
13	14.0	24.5	14.5	4.0	6.5	7.0	4.7	27.5	25.0	7.0	3.7	5.0	9.0	7.0	13.5	23.0	47.3	27.0	10.0	11.5	16.0	14.0	8.3	12.0
14	3.0	4.5	3.0	3.5	2.0	2.3	2.3	4.0	61.0	90.0	9.5	5.7	7.5	8.0	5.3	16.0	31.5	35.0	15.7	16.5	16.0	20.5	37.0	6.7
15	5.0	3.5	5.0	2.3	3.0	42.3	20.0	24.0	4.7	11.0	5.0	8.0	13.0	13.0	7.3	15.5	31.5	44.3	23.3	27.0	16.0	21.3	19.5	5.0
16	7.0	3.0	2.3	2.7	1.7	7.0	34.5	15.0	6.5	5.0	20.7	10.5	11.0	11.0	16.0	19.0	32.0	21.7	19.0	15.3	25.0	39.0	23.0	11.7
17	10.0	7.0	3.0	6.5	26.0	42.0	8.0	13.5	3.7	11.3	9.0	6.7	7.5	10.0	17.5	35.3	72.7	49.0	32.0	34.3	18.3	8.3	27.3	12.0
18	17.0	17.0	5.0	6.7	11.7	13.0	5.3	14.0	90.0	12.0	29.0	26.3	11.3	12.3	19.5	26.3	43.5	25.5	71.0	49.0	15.0	10.5	5.3	11.3
19	8.0	6.0	6.5	5.3	3.5	3.0	5.7	8.5	14.0	5.3	5.0	2.7	7.0	4.0	18.5	17.5	12.3	22.0	29.0	13.0	15.3	11.0	10.0	5.5
20	7.5	2.0	6.0	3.5	2.3	1.3	7.7	5.7	15.0	11.7	11.0	25.0	21.5	11.0	29.0	29.0	24.7	58.0	46.5	32.5	24.0	52.0	14.0	11.0
21	22.0	15.0	8.0	24.5	16.0	8.5	10.0	10.5	14.5	20.3	21.0	16.0	14.0	18.3	36.0	25.0	22.5	25.0	40.5	19.3	25.0	12.0	14.0	8.0
22	12.3	5.0	8.3	8.0	8.5	4.0	11.3	13.0	30.3	5.0	7.7	51.3	37.0	19.7	15.3	26.0	22.3	33.0	50.3	20.0	24.0	13.5	11.5	18.0
23	26.0	31.7	5.5	8.5	15.0	50.0	23.0	8.0	9.0	7.0	14.0	15.5	39.3	65.0	61.5	49.0	42.3	57.0	16.0	27.5	31.0	13.0	11.0	5.0
24	8.0	4.3	5.0	6.0	3.5	3.5	4.5	3.5	4.5	6.0	6.7	26.0	31.0	16.5	22.0	32.0	30.5	30.3	14.0	19.0	17.0	13.0	12.0	5.0
25	12.5	5.0	32.0	35.0	3.7	3.0	4.0	8.5	20.0	66.7	24.3	20.0	23.5	18.0	32.0	27.5	16.0	41.0	26.0	17.7	8.7	8.0	7.7	6.0
26	3.0	5.5	7.0	10.3	55.0	14.0	17.5	11.0	8.0	20.0	9.7	6.7	5.5	9.5	9.5	25.0	32.0	28.0	23.0	21.0	10.3	15.0	8.3	3.0
27	11.0	12.0	8.3	6.3	3.0	14.5	21.3	2.5	3.3	6.3	3.7	4.7	5.5	9.5	16.0	18.0	18.0	25.7	13.5	32.5	13.0	13.0	11.0	10.5
28	5.3	2.0	2.5	1.5	2.0	3.0	56.6	37.0	-	-	-	-	-	-	-	-	24.0	18.0	9.0	8.0	9.0	5.4	4.0	6.0
29	3.0	3.0	5.0	85.0	100.0	16.0	11.5	12.5	8.7	7.3	8.5	7.0	5.5	3.5	13.0	21.3	22.3	39.0	29.0	21.0	7.0	4.0	7.5	8.0
30	3.0	3.5	2.0	7.7	10.5	6.5	8.0	7.0	1.5	3.3	4.7	19.5	16.3	12.0	13.0	23.3	16.3	29.3	12.3	17.0	12.5	13.0	14.0	4.0
31	7.0	9.5	4.0	6.7	2.5	6.0	15.0	9.3	5.3	5.3	15.3	10.3	9.0	8.0	12.3	25.0	29.0	10.0	9.3	19.5	16.5	16.3	19.0	10.0



BAKER LAKE FEBRUARY 1958 TABLE 122

HOURLY RANGES in mms.

SCALE VALUE: 4.23  $\frac{\text{gamma}}{\text{mm}}$ .

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	13.0	4.0	5.7	5.7	2.5	2.5	1.7	6.0	19.0	16.0	6.0	19.0	22.5	6.0	11.3	25.0	31.0	22.5	14.5	8.7	14.0	28.3	6.0	3.0
2	12.0	8.0	4.3	3.5	7.0	22.0	68.3	4.7	6.0	3.0	37.5	13.0	6.0	7.5	25.0	20.3	26.3	12.0	10.0	17.5	8.0	3.5	5.7	3.7
3	3.5	3.0	2.0	3.0	8.3	8.3	6.0	5.5	2.3	5.7	5.5	4.0	17.0	17.5	11.5	17.0	8.0	10.0	11.7	7.0	9.7	14.0	11.0	7.3
4	8.5	6.0	3.7	2.0	3.5	1.5	4.0	2.5	2.5	2.5	4.0	24.7	13.0	37.3	22.0	30.0	51.0	50.0	91.0	105.0	48.3	20.0	9.0	8.0
5	9.0	7.5	8.0	8.3	20.0	14.5	14.0	10.0	21.0	14.0	10.5	18.3	27.0	35.0	48.0	56.0	71.0	81.0	30.0	40.0	33.0	17.5	26.3	16.0
6	12.0	12.0	9.0	9.0	12.0	65.5	41.3	15.3	15.0	16.0	13.0	17.0	13.5	21.0	26.0	46.0	70.5	91.5	34.0	20.0	16.5	38.0	24.3	15.3
7	10.0	11.3	15.0	20.0	6.5	13.0	11.0	16.0	19.5	23.3	12.0	26.0	16.0	18.0	32.5	38.0	37.0	31.3	37.3	37.0	25.0	39.0	21.5	16.5
8	11.5	9.0	8.3	12.0	96.0	20.0	32.0	9.0	70.3	23.0	6.0	10.0	12.3	18.3	21.3	44.0	40.0	49.0	18.0	33.0	19.0	32.3	29.0	5.3
9	7.3	7.5	6.0	12.3	108.0	11.0	8.5	3.5	4.5	4.5	7.5	12.7	6.5	23.5	19.0	28.0	6.0	10.5	34.3	22.3	15.5	7.0	8.0	12.0
10	16.0	14.0	7.0	17.7	5.0	5.0	5.7	6.3	1.3	5.0	7.5	8.5	9.0	25.0	38.0	23.0	9.5	15.3	6.3	37.0	17.0	11.0	16.0	32.0
11	24.0	101.0	140.0	108.0	28.0	194.0	82.0	96.0	30.0	56.0	32.0	30.0	24.0	32.0	50.0	68.0	112.0	54.0	116.0	76.0	60.0	44.0	32.0	14.0
12	37.5	20.0	46.0	22.3	28.0	21.5	18.0	28.0	11.5	17.0	40.0	50.7	53.3	17.3	51.0	29.7	54.0	86.0	25.0	83.0	80.0	62.0	35.3	7.3
13	9.0	7.0	6.0	4.0	3.5	3.0	1.5	3.0	8.0	28.7	32.0	25.0	28.0	62.0	32.5	36.0	17.0	29.0	29.0	81.3	22.5	23.5	6.5	12.0
14	10.5	5.0	13.5	8.0	17.0	67.0	6.0	11.0	15.0	15.0	6.0	4.7	11.3	19.0	25.5	52.3	79.0	101.0	28.0	21.0	11.5	6.3	14.3	5.0
15	8.0	5.0	5.0	8.0	3.0	3.5	3.0	3.0	2.3	4.3	9.0	11.3	7.0	17.3	20.0	47.3	30.3	29.5	35.0	7.3	43.0	32.3	20.3	6.5
16	6.3	2.5	4.3	2.5	4.0	9.3	5.0	7.5	4.5	4.3	5.0	11.0	9.5	13.0	20.0	65.5	104.5	45.0	28.0	22.0	33.0	34.3	13.3	16.5
17	12.0	19.0	11.5	11.0	7.3	16.5	15.5	9.5	33.0	34.5	25.0	39.0	32.5	29.3	100.0	96.0	76.0	73.0	97.0	88.0	71.0	51.0	29.0	18.0
18	25.0	25.0	26.0	11.0	32.5	21.5	43.0	44.0	29.3	14.0	120.0	63.0	29.0	44.0	74.0	79.5	79.5	65.0	67.0	63.0	81.0	30.0	30.3	16.0
19	22.0	23.0	10.0	2.7	5.5	10.7	85.0	16.3	5.5	4.0	12.0	9.3	13.0	15.3	36.0	52.0	55.0	42.5	65.0	78.0	55.3	31.0	20.5	25.0
20	5.3	14.0	5.0	4.3	17.0	13.0	9.0	10.0	13.0	6.0	7.0	19.0	19.0	17.3	60.0	39.0	38.0	22.7	37.0	21.0	15.5	18.5	45.0	14.0
21	15.3	11.3	8.0	52.0	31.0	35.0	30.3	9.0	12.3	10.3	11.0	8.3	28.0	20.3	22.0	31.0	27.3	43.0	80.0	77.5	41.7	48.0	32.0	21.0
22	23.0	27.0	21.0	7.0	13.0	36.0	39.0	20.5	6.5	5.5	10.7	7.3	11.7	16.0	37.3	58.3	35.0	59.0	50.0	41.0	59.3	32.0	14.0	10.0
23	21.0	16.0	17.0	8.5	12.5	9.3	9.7	21.5	19.0	14.0	16.0	20.0	22.0	32.0	23.2	30.3	45.0	28.3	18.3	29.0	29.0	12.0	23.3	8.0
24	5.5	8.0	5.3	15.0	12.0	4.0	6.0	3.0	5.0	5.5	5.0	6.5	8.0	15.5	10.0	14.0	15.0	16.3	10.0	14.0	22.0	18.3	12.5	8.0
25	3.3	3.0	3.0	2.5	1.5	4.7	26.3	12.3	4.5	10.0	7.5	12.0	11.5	13.0	7.3	10.7	9.3	18.0	8.0	19.0	9.0	10.3	5.7	8.5
26	8.0	9.5	7.0	7.3	9.0	12.0	11.0	12.0	18.3	9.0	5.3	5.3	7.0	10.7	18.0	9.5	17.7	17.0	10.5	10.0	28.0	23.0	15.0	16.0
27	4.5	5.0	5.7	1.5	6.5	8.0	11.0	7.3	6.0	10.0	8.5	5.0	10.3	13.3	40.7	25.5	26.0	22.0	70.0	91.0	65.0	53.0	15.3	7.7
28	7.0	8.0	6.0	3.5	4.0	4.5	7.0	10.0	17.3	12.5	10.5	36.7	58.0	67.0	34.0	52.0	42.3	25.3	46.0	19.3	15.3	23.0	27.0	7.7

BAKER LAKE MARCH 1958 TABLE 123

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	11.3	7.5	6.5	3.7	3.5	2.5	3.5	3.5	1.7	3.3	3.0	2.0	2.5	11.5	19.0	13.0	9.3	9.0	16.0	16.5	4.7	7.3	3.3	15.5
2	8.3	10.0	2.0	1.5	4.0	4.3	25.0	27.0	7.5	6.3	8.3	8.3	16.0	13.5	13.0	15.0	6.3	6.0	7.0	6.0	5.5	3.0	13.5	9.0
3	5.7	5.3	7.0	6.5	5.0	6.5	10.0	7.7	4.0	8.5	5.3	10.0	18.0	11.3	14.0	40.5	59.0	103.0	159.5	66.5	43.3	24.0	13.0	23.3
4	13.3	16.0	13.0	12.0	15.0	9.3	10.0	53.3	46.3	4.5	6.0	29.0	11.5	21.5	61.0	34.5	49.0	74.5	108.5	35.5	44.5	27.3	53.3	14.0
5	7.0	13.3	8.3	8.3	29.0	73.5	46.3	32.0	18.0	14.0	9.3	20.0	16.0	21.0	55.0	64.0	51.0	79.5	34.0	34.5	56.0	36.3	22.0	15.5
6	10.5	23.0	56.0	43.0	15.0	15.0	15.0	14.3	17.7	8.0	6.0	14.0	29.0	26.5	23.0	42.5	47.5	70.5	75.0	42.0	35.5	29.0	31.0	29.7
7	13.5	11.0	11.0	10.3	72.0	48.0	15.5	27.0	14.0	17.3	11.0	21.0	13.5	34.0	78.0	57.0	87.0	33.3	32.5	54.3	41.5	39.0	28.0	15.5
8	8.3	11.0	22.5	40.0	25.0	8.5	14.0	17.0	11.0	5.3	6.3	10.5	10.0	23.0	22.5	26.0	75.0	43.5	13.0	28.0	39.0	24.0	15.3	11.0
9	10.0	6.0	8.5	9.5	40.0	44.0	25.0	13.0	6.3	6.3	12.0	10.0	17.0	43.0	25.0	41.3	35.0	37.5	31.5	18.3	18.3	14.0	16.0	27.0
10	24.0	10.0	8.3	13.0	10.0	10.0	7.5	11.5	4.3	4.5	13.3	13.5	9.5	15.5	38.0	36.0	33.0	56.7	45.3	21.0	30.3	24.0	13.3	6.0
11	14.0	9.0	4.0	4.0	4.0	2.7	2.3	4.0	5.5	5.0	5.5	21.0	15.0	11.0	29.0	19.5	21.0	23.5	32.0	33.0	37.5	14.5	24.5	21.3
12	18.3	8.5	19.3	11.0	13.5	24.5	16.0	19.0	12.0	9.0	12.0	15.0	10.5	11.0	19.5	15.3	97.5	52.3	34.0	27.0	20.0	22.0	13.0	6.3
13	16.5	11.0	11.0	7.5	7.5	10.0	7.0	9.5	16.0	23.0	39.0	15.3	12.0	43.0	25.0	21.0	22.0	43.0	36.3	68.3	34.5	17.3	21.5	9.0
14	9.0	6.0	9.0	5.5	4.0	4.0	4.3	2.0	4.0	5.3	6.0	6.3	71.0	42.5	85.5	130.5	94.5	88.0	26.0	29.3	28.0	42.3	26.3	17.0
15	9.0	6.5	13.0	12.0	13.0	15.5	31.0	18.0	27.5	36.0	14.0	17.0	21.5	108.3	52.5	42.0	96.5	125.0	55.0	11.5	8.0	11.3	16.0	18.5
16	15.5	23.0	19.3	7.0	16.0	6.3	5.5	10.0	7.3	13.3	8.0	6.3	10.5	14.0	25.0	23.5	19.0	25.3	49.0	5.3	17.0	40.0	17.3	15.0
17	9.0	15.0	5.7	4.3	8.3	5.7	8.0	20.7	15.5	119.0	21.3	20.0	14.3	22.0	80.0	95.0	63.5	55.3	80.0	92.0	67.0	10.3	11.0	8.0
18	13.0	9.0	19.0	7.5	11.3	7.0	18.5	53.3	25.0	5.3	13.3	7.5	22.3	27.5	28.3	48.7	93.5	83.0	31.0	58.0	43.0	13.0	27.0	22.3
19	27.0	18.0	11.0	23.0	24.0	7.0	18.3	32.3	7.0	4.3	10.3	10.3	44.3	44.3	51.7	18.0	46.3	132.0	73.0	36.0	35.3	35.3	23.0	20.3
20	26.0	8.0	8.5	24.3	9.3	10.0	3.5	15.0	14.0	11.0	15.0	7.0	37.3	31.5	30.0	47.0	61.0	56.3	51.0	97.0	27.0	28.0	15.3	12.0
21	13.0	14.0	10.0	9.3	19.0	38.0	17.0	7.0	7.5	7.0	32.3	30.0	43.3	60.3	30.0	63.0	165.5	92.0	52.5	73.0	29.0	22.0	23.5	28.0
22	30.5	15.0	13.5	10.3	15.0	3.7	10.3	10.0	7.0	15.0	9.0	4.3	14.0	17.0	26.3	28.3	13.3	14.5	19.5	13.0	20.0	24.0	15.0	22.0
23	20.3	14.3	10.3	25.0	18.5	11.0	6.0	10.3	9.0	5.5	24.3	10.0	11.5	21.3	54.5	23.0	36.0	26.0	40.0	40.3	30.3	27.0	22.5	22.5
24	6.3	18.3	7.3	14.0	7.0	15.0	8.3	6.0	10.3	10.5	6.3	15.3	18.0	24.0	12.3	12.3	13.0	27.3	23.3	49.0	12.0	27.0	31.5	11.5
25	5.5	9.5	16.0	11.3	13.0	11.5	6.0	14.5	8.3	8.0	8.7	30.0	37.3	14.0	25.0	154.0	376.0	212.0	81.0	28.0	44.0	53.0	60.5	24.5
26	30.0	31.0	22.5	11.0	14.5	26.0	43.0	36.0	22.0	36.0	54.0	23.0	47.0	81.0	56.0	69.0	137.0	190.0	138.5	159.5	45.0	59.0	57.0	45.0
27	22.5	28.5	27.0	11.0	12.0	17.3	11.0	17.0	11.3	13.3	12.3	22.0	19.5	29.0	39.3	48.0	28.3	16.0	84.5	81.3	45.0	38.3	43.0	12.0
28	12.0	19.5	15.0	17.5	7.3	10.0	11.3	19.0	16.0	17.0	22.7	9.3	15.0	13.3	24.0	43.5	79.5	65.5	106.0	15.0	4.5	43.0	23.0	11.0
29	91.0	85.0	14.0	10.3	6.3	25.3	8.3	11.0	14.0	12.0	4.5	6.3	8.0	7.0	17.3	11.0	44.7	45.0	12.5	8.3	9.0	39.0	41.0	12.0
30	7.5	13.3	4.5	5.0	3.0	8.5	12.5	9.5	15.0	38.3	17.5	37.0	8.0	39.5	32.3	22.3	18.0	54.0	100.0	32.0	30.0	32.0	15.0	38.0
31	21.0	8.3	7.0	8.3	8.5	11.0	28.3	8.3	8.5	12.0	7.0	21.0	31.3	20.5	40.0	75.0	106.0	37.5	52.0	58.0	29.5	43.0	22.3	9.0

BAKER LAKE APRIL 1958 TABLE 124

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	20.5	6.5	14.0	10.0	12.0	7.0	11.0	6.0	9.5	5.0	15.0	19.5	28.0	24.0	49.5	51.5	88.0	62.5	72.0	42.0	22.0	25.5	14.5	39.5
2	19.5	9.5	8.5	7.5	12.5	11.5	17.0	78.0	35.0	7.5	22.5	18.5	26.0	58.5	42.0	80.5	46.5	61.0	26.5	28.5	43.0	20.0	24.0	11.5
3	14.5	16.0	6.5	13.0	14.5	8.5	13.5	5.0	8.0	4.5	9.0	8.5	11.5	9.5	12.5	21.5	21.0	21.5	35.5	35.0	18.0	76.0	16.5	11.0
4	12.5	11.5	10.5	10.0	15.0	18.5	7.5	6.5	5.5	10.0	10.0	12.0	29.5	22.5	74.0	51.5	141.0	104.0	98.0	62.0	39.0	16.5	19.0	15.0
5	17.5	10.0	9.5	20.0	7.0	13.0	8.0	8.0	8.5	7.5	10.5	24.0	16.0	18.5	27.5	21.0	47.5	56.0	43.0	53.5	58.5	98.0	16.5	6.5
6	14.0	8.5	15.5	6.5	5.5	4.0	9.0	7.5	11.5	8.5	10.0	17.5	16.0	15.5	18.5	36.0	66.0	66.0	41.5	62.5	24.5	21.0	20.0	18.5
7	34.5	17.5	6.0	2.5	18.5	8.5	6.5	12.0	5.0	4.0	14.0	12.5	20.5	10.0	22.5	30.0	54.0	55.5	48.0	56.0	10.0	13.5	27.5	5.0
8	4.5	9.0	4.5	7.5	6.5	3.5	1.5	4.5	4.0	6.5	3.5	4.0	13.5	14.5	19.5	15.0	21.5	31.5	23.5	22.0	9.0	12.5	19.0	16.5
9	8.0	6.0	5.5	5.0	3.0	4.5	3.0	3.0	1.5	3.5	4.0	3.0	9.0	10.5	7.0	12.0	13.0	14.0	18.5	15.0	33.0	13.5	15.5	24.0
10	9.0	4.5	6.0	2.0	2.0	2.0	2.5	4.0	1.5	5.0	4.0	8.0	5.0	8.0	10.0	7.5	8.5	25.5	6.0	7.0	23.0	25.5	22.5	10.5
11	18.5	12.5	6.0	5.5	5.5	3.5	4.5	4.0	7.0	8.5	8.0	5.0	11.0	6.0	8.5	23.0	19.0	13.0	7.5	4.5	10.0	38.0	21.0	10.5
12	10.5	4.0	7.0	3.5	3.0	6.0	5.0	4.5	5.0	5.5	12.0	10.0	10.5	10.0	10.0	15.5	10.5	22.5	23.0	34.0	41.0	32.0	30.5	20.0
13	10.5	10.5	14.5	7.0	3.0	3.5	6.0	9.0	4.0	2.5	7.5	5.5	12.0	13.5	16.0	10.0	10.5	26.5	24.5	30.5	18.0	16.0	7.5	15.0
14	7.0	5.0	4.0	6.0	6.0	6.0	17.0	5.0	2.0	12.0	12.0	26.0	25.0	30.5	35.0	65.0	34.0	36.0	62.0	22.0	18.0	23.0	29.0	12.0
15	12.5	21.0	7.0	8.0	14.5	10.5	11.0	11.0	17.5	25.0	7.0	11.5	15.0	22.5	52.5	35.0	50.0	47.5	27.0	23.5	34.5	19.5	18.0	9.0
16	14.5	15.0	6.5	6.0	13.0	12.0	7.0	11.0	9.0	4.0	28.0	44.0	14.0	28.0	29.0	34.0	60.0	141.0	182.0	112.0	48.0	24.0	44.0	29.0
17	31.5	37.0	23.0	9.0	6.0	9.5	13.0	8.0	48.0	14.5	22.0	13.0	20.5	36.5	51.0	28.5	122.0	137.0	116.5	52.5	54.5	23.0	49.0	74.0
18	9.5	25.5	30.0	12.0	16.0	14.0	6.5	14.0	12.5	9.5	44.5	25.0	15.0	49.5	62.5	77.0	142.0	157.5	77.5	53.0	27.5	25.5	23.5	40.0
19	21.5	11.0	15.0	10.0	20.5	7.5	13.0	4.5	14.0	28.0	25.5	24.0	27.5	19.0	23.0	30.5	114.0	93.0	33.0	68.0	68.0	34.5	14.0	56.0
20	6.5	7.0	9.0	17.5	35.5	40.0	10.5	31.0	32.0	9.5	8.5	21.5	8.5	59.0	55.0	61.5	38.0	34.0	41.0	20.0	18.5	47.0	33.5	12.5
21	7.5	8.5	11.0	17.0	15.0	10.0	29.0	28.0	7.0	7.0	5.5	17.0	17.0	12.0	46.5	35.5	61.5	27.5	26.5	22.5	39.5	86.0	14.5	24.0
22	9.5	7.0	4.5	6.0	10.0	79.5	61.0	7.5	2.5	6.0	14.0	14.0	11.0	10.5	23.0	16.5	18.0	19.0	19.0	13.0	15.5	8.5	9.5	4.5
23	5.0	6.0	2.5	2.5	2.5	2.0	3.5	2.5	3.0	2.0	8.5	9.0	10.0	38.0	19.5	37.5	42.5	48.0	41.5	14.0	10.5	12.5	13.5	28.5
24	13.5	10.0	10.0	9.5	8.0	11.0	9.0	5.5	7.5	5.5	5.0	8.5	9.5	29.5	26.5	59.5	72.0	86.5	29.5	15.5	18.0	36.0	25.0	15.0
25	7.0	6.5	27.0	8.5	8.5	6.0	4.0	5.5	2.0	4.0	4.0	5.5	17.5	26.0	12.5	12.5	10.5	13.5	20.0	8.0	8.5	6.0	4.5	6.5
26	5.0	2.0	2.0	2.5	2.5	2.0	2.5	1.5	4.5	3.0	5.5	6.0	15.5	15.5	25.0	76.5	91.5	65.0	83.0	227.0	53.0	32.0	17.0	10.5
27	14.0	8.5	4.0	2.5	1.5	5.0	10.0	17.5	14.0	4.0	6.0	4.5	19.0	6.0	26.0	64.5	36.5	58.0	114.0	35.5	38.5	23.0	23.0	19.0
28	14.0	13.5	8.0	13.0	13.5	5.5	10.5	6.5	11.5	12.5	10.0	19.0	22.0	32.0	58.0	27.5	152.5	77.5	117.5	35.0	19.0	17.5	21.0	12.5
29	16.5	17.0	28.0	17.0	4.5	12.0	11.5	6.0	6.5	5.5	8.5	24.0	28.5	20.5	22.5	43.0	108.0	86.0	73.0	60.5	106.0	45.5	35.5	15.5
30	10.0	24.5	19.0	20.0	21.0	29.5	16.5	10.5	8.0	13.0	8.5	9.0	14.0	33.5	48.0	79.0	161.5	115.5	78.5	62.0	84.5	44.5	40.0	45.0

BAKER LAKE MAY 1958 TABLE 125

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	21.0	9.3	16.5	7.3	12.0	12.0	7.0	10.3	6.3	47.7	18.0	16.0	18.0	20.0	23.0	52.0	59.0	59.0	79.0	56.5	57.0	31.0	37.0	35.0
2	13.0	11.0	9.0	14.0	9.0	9.7	8.0	9.0	6.0	7.5	9.5	11.0	8.0	5.0	13.0	11.0	40.0	11.5	12.0	16.0	16.0	18.5	23.0	12.0
3	11.3	13.0	13.0	13.3	14.5	5.0	3.0	1.5	1.5	5.0	7.5	9.5	23.0	13.0	8.0	8.0	14.5	13.0	14.5	17.5	27.0	34.3	22.0	19.0
4	11.5	12.5	7.0	3.0	9.0	8.5	11.0	6.0	11.0	7.0	7.0	15.0	5.3	18.0	23.0	29.0	12.0	9.3	4.0	15.0	18.5	17.0	12.0	25.5
5	14.3	21.0	6.0	7.5	5.5	2.3	3.0	8.0	6.0	7.0	7.3	5.0	10.0	16.0	24.0	30.0	27.0	34.0	63.0	42.0	31.0	24.0	46.0	31.0
6	14.0	12.0	13.5	8.0	6.0	2.5	5.0	8.0	5.5	5.3	6.3	6.3	7.0	21.3	23.0	18.5	14.0	14.0	11.0	21.0	16.0	23.0	20.0	17.0
7	19.0	16.0	10.0	8.0	10.5	6.0	3.0	3.0	3.0	2.7	9.3	14.0	15.0	12.0	9.0	11.7	15.0	17.3	18.0	15.5	33.0	22.0	15.0	22.0
8	12.0	8.0	13.5	4.0	7.0	6.0	4.0	12.5	11.0	16.0	5.5	9.3	19.5	17.3	50.0	23.0	34.5	17.3	20.5	37.3	42.0	44.0	36.0	18.0
9	19.0	17.0	8.0	8.5	5.0	7.3	13.0	17.5	10.5	5.0	6.0	17.7	35.0	13.0	29.0	19.0	10.3	9.0	27.5	17.0	33.5	36.0	23.5	13.0
10	17.0	17.5	10.3	12.0	6.5	12.0	6.0	13.0	5.5	16.0	9.0	21.3	18.0	18.0	13.0	41.0	88.3	39.0	59.0	113.0	58.0	52.3	25.3	28.3
11	11.0	12.0	3.0	3.0	3.3	2.5	13.0	10.0	17.0	8.0	8.0	4.3	9.3	21.5	25.3	30.0	34.0	45.3	34.0	36.0	19.3	16.5	14.0	12.5
12	5.0	3.0	2.5	3.0	2.3	3.5	2.5	8.5	5.3	8.5	4.3	5.3	13.0	18.3	44.0	33.5	52.3	80.0	29.0	19.0	32.3	31.0	22.0	67.0
13	17.0	15.7	8.0	9.0	6.0	8.0	7.0	12.0	16.3	24.0	8.0	31.0	25.0	50.0	25.3	83.0	54.5	240.0	134.0	207.0	107.5	57.0	80.3	43.0
14	42.0	39.0	8.0	17.7	26.3	5.0	14.0	12.0	12.0	6.0	12.5	16.0	33.0	29.0	33.0	87.0	129.5	77.5	113.0	37.0	46.0	29.3	26.5	43.5
15	21.0	19.0	24.3	34.5	33.0	21.5	10.5	12.0	26.0	11.3	28.0	19.0	36.0	17.0	77.0	88.0	75.0	90.0	92.0	37.5	17.5	39.0	35.5	14.5
16	17.0	22.5	13.0	16.0	10.0	6.0	9.5	6.3	10.3	32.0	14.0	7.0	13.0	20.0	34.0	36.5	33.0	62.5	22.3	22.0	48.5	29.0	29.5	16.0
17	11.5	19.0	25.0	44.0	18.3	10.0	4.0	8.0	8.0	9.0	15.0	19.3	33.0	32.0	34.0	94.5	53.0	87.3	108.0	102.0	28.0	48.0	25.5	12.0
18	13.0	45.0	20.5	9.0	11.0	18.5	16.0	8.0	13.0	19.0	102.0	31.0	11.5	25.3	61.0	49.0	58.3	72.0	73.5	51.0	29.3	24.0	15.0	17.0
19	9.0	7.5	6.0	5.0	30.0	24.0	21.3	6.7	8.0	4.0	8.5	10.0	7.5	24.3	21.0	24.5	13.0	11.5	30.0	9.0	31.3	41.5	12.3	17.0
20	21.0	7.0	6.0	5.0	8.3	3.5	3.5	2.0	6.5	6.0	8.0	13.0	23.0	12.5	27.0	10.5	11.3	17.3	8.5	20.0	6.7	7.0	21.5	33.5
21	8.3	10.0	12.5	8.5	8.0	7.0	6.0	5.5	9.0	5.7	6.5	4.0	6.5	9.0	12.3	23.0	16.3	13.0	25.0	13.0	8.5	13.3	17.0	5.5
22	7.0	11.0	3.0	2.0	3.0	2.0	3.0	3.7	4.0	3.5	8.0	12.0	5.0	14.0	32.0	17.0	36.3	9.3	11.5	19.3	11.5	20.0	19.7	26.7
23	13.0	20.0	15.0	9.0	10.3	4.0	4.0	1.5	7.5	3.0	4.5	5.0	8.0	17.0	11.0	20.0	15.0	12.0	16.3	9.3	27.3	15.0	10.5	5.0
24	2.0	6.0	1.7	2.0	4.0	4.7	3.0	4.0	5.3	7.3	2.5	9.0	6.0	20.5	36.0	17.0	15.0	13.3	16.3	12.3	5.0	4.0	9.0	6.0
25	4.0	3.0	4.7	3.5	4.0	4.5	3.0	1.5	4.0	3.0	5.3	9.7	10.0	6.0	6.0	11.0	8.0	12.5	25.0	11.0	33.0	74.0	69.0	34.0
26	9.5	19.0	6.3	15.5	9.0	4.5	5.7	20.0	15.3	13.0	24.5	13.0	54.0	89.0	24.0	176.0	154.0	237.0	65.3	50.0	42.0	83.0	37.0	21.3
27	13.3	24.0	20.0	5.0	6.7	7.0	8.3	8.0	10.3	12.0	45.0	28.5	65.0	24.0	62.0	66.0	35.0	70.0	99.0	60.0	32.0	42.5	31.3	45.0
28	18.0	26.0	13.0	13.0	14.0	10.5	20.0	6.0	8.0	7.0	10.3	15.0	5.0	39.0	39.0	45.5	113.5	28.0	40.0	23.0	37.0	18.0	29.3	21.0
29	50.0	46.0	28.5	21.0	15.3	15.5	15.5	22.0	13.5	20.0	20.0	38.0	24.3	32.0	198.0	163.0	226.0	43.5	233.0	86.0	55.0	22.3	21.0	37.0
30	27.0	26.0	14.3	17.5	27.0	14.0	5.0	6.5	12.0	7.3	11.0	20.0	14.0	7.0	34.0	28.0	66.0	16.0	18.0	20.0	24.0	23.0	27.0	10.0
31	15.0	15.0	4.7	42.0	8.3	9.0	12.5	9.0	9.0	14.0	17.3	9.5	14.0	15.5	46.0	25.0	87.3	220.0	188.0	30.0	19.3	17.0	25.0	23.0

BAKER LAKE JUNE 1958 TABLE 126

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	31.0	31.0	40.5	25.0	16.0	47.5	29.5	13.5	11.0	9.0	17.0	13.5	11.5	25.5	27.0	50.0	45.0	52.0	92.5	122.0	49.0	85.0	18.5	44.0
2	13.0	23.0	28.5	22.5	8.0	22.5	19.5	14.0	12.0	12.0	8.5	98.5	102.0	20.5	43.5	22.0	33.0	40.5	35.0	29.0	21.5	14.5	7.5	8.0
3	7.5	5.0	6.0	5.5	6.0	6.0	10.0	5.5	11.0	6.0	12.5	10.5	12.0	21.0	38.5	24.5	55.5	23.5	16.5	12.5	14.5	14.5	7.5	6.0
4	7.0	17.0	8.0	16.0	13.5	9.0	4.0	7.5	4.5	6.5	6.5	9.0	18.0	10.0	20.5	15.0	20.0	36.5	25.0	12.5	9.5	16.0	6.5	4.0
5	13.0	17.0	3.0	3.0	16.0	5.5	8.0	11.0	10.0	5.0	7.0	6.5	10.5	13.0	28.0	31.5	53.0	64.5	26.0	14.0	6.0	40.5	8.0	10.0
6	12.5	10.0	5.0	7.5	7.5	13.0	16.0	25.0	22.5	13.0	16.0	12.5	26.5	7.0	25.0	15.5	13.0	53.0	48.5	27.0	96.0	28.5	70.0	48.5
7	14.5	49.0	52.0	52.5	14.0	18.0	23.0	26.0	11.5	11.0	36.5	49.0	34.0	30.5	18.5	50.0	71.5	51.0	78.0	70.0	58.5	52.0	20.0	13.5
8	10.5	8.0	11.5	14.0	5.0	8.0	10.5	49.5	23.0	5.0	6.5	20.0	14.0	19.5	16.0	13.5	14.0	18.5	15.0	47.0	27.0	24.5	41.5	22.0
9	88.0	22.0	10.5	4.5	6.0	17.0	15.0	24.0	16.5	10.5	12.0	21.5	20.0	26.0	31.5	31.5	46.5	51.5	51.5	61.5	26.5	11.0	21.0	34.5
10	28.5	12.5	25.0	13.5	16.0	14.5	16.5	5.0	11.5	14.0	34.5	26.0	33.5	21.5	47.0	31.0	78.0	54.0	64.0	28.5	11.5	23.0	45.5	14.0
11	23.0	20.0	15.5	49.5	20.0	12.0	14.0	8.0	6.5	15.5	18.0	53.0	25.5	58.0	50.0	47.5	88.0	22.5	35.5	49.0	77.0	37.5	29.5	25.5
12	18.0	9.0	15.5	13.0	14.0	13.5	9.5	5.5	12.0	21.0	11.0	25.0	26.0	17.0	52.0	58.0	95.5	75.0	68.5	69.0	67.0	27.5	22.0	16.0
13	19.5	5.5	11.5	7.5	50.0	36.0	14.0	9.0	5.0	18.5	8.0	15.5	15.0	12.0	23.5	34.0	30.0	22.0	14.0	25.5	21.0	45.0	24.5	14.0
14	14.5	15.0	12.0	6.0	8.0	2.0	10.5	12.0	10.5	14.0	6.5	14.0	7.0	10.5	9.5	30.0	16.5	24.0	29.5	89.0	25.0	36.5	36.0	51.0
15																								
16	21.5	3.0	3.5	7.5	7.0	5.5	46.0	24.0	10.0	13.5	17.0	21.5	21.5	29.5	35.0	20.0	31.0	11.5	28.0	21.5	9.5	5.0	14.0	21.5
17	7.5	9.5	7.0	5.5	8.0	6.0	5.0	4.5	4.0	4.0	2.5	7.5	27.0	9.0	8.0	10.0	8.5	8.5	4.5	25.5	11.5	12.0	16.0	8.0
18	18.0	10.0	4.0	3.5	3.5	1.5	4.0	4.5	4.0	6.0	4.0	17.0	11.0	21.0	26.0	27.0	14.0	14.5	19.5	44.5	21.0	28.0	17.0	10.0
19	5.0	3.5	6.0	4.5	7.0	3.5	7.0	6.0	4.0	4.0	5.5	13.5	21.0	12.0	10.0	20.5	40.0	38.0	18.0	26.0	11.5	27.0	26.5	15.0
20	11.0	19.5	21.0	4.0	5.5	2.5	4.0	3.0	3.5	10.5	12.5	14.5	11.0	15.0	17.0	13.0	17.0	9.0	12.5	9.5	17.0	20.0	65.0	42.0
21	9.5	8.0	23.0	22.5	15.0	6.0	15.0	22.0	11.5	18.0	46.5	47.0	40.0	29.0	170.0	*200.0	*180.0	*200.0	*200.0	126.0	91.0	48.5	35.5	37.0
22	40.5	24.0	24.0	51.0	51.5	10.0	13.0	12.0	25.5	15.0	17.0	32.0	34.0	29.5	27.5	57.0	54.0	27.0	29.5	82.0	85.0	70.0	39.0	46.5
23	16.0	30.5	24.0	22.0	42.5	20.5	17.5	9.5	6.5	7.5	7.0	15.0	25.5	7.5	36.0	31.0	38.5	28.0	44.0	40.0	23.0	13.5	21.5	26.5
24	21.5	8.5	7.5	12.5	31.0	11.0	10.0	6.5	6.5	10.0	20.0	11.5	18.0	23.0	143.0	47.0	90.0	32.0	31.0	44.0	19.5	32.0	22.0	15.0
25	13.0	18.0	47.0	51.5	15.0	15.0	9.5	5.0	13.0	11.0	78.0	16.0	14.0	12.0	25.0	32.0	30.5	28.0	43.5	65.0	44.5	23.0	33.5	20.0
26	8.5	20.0	4.0	14.0	8.5	16.0	14.5	10.0	7.0	6.5	8.0	9.0	10.0	15.5	52.0	37.0	21.0	30.0	8.5	15.0	10.0	33.0	33.0	13.0
27	9.0	6.0	2.5	5.5	15.0	5.0	3.5	6.5	5.0	3.0	5.0	14.0	22.0	21.0	43.0	39.5	9.5	11.5	8.0	26.5	40.0	26.0	22.5	21.5
28	13.5	11.5	9.5	33.0	25.0	8.5	5.0	21.0	30.0	21.0	21.0	32.0	28.0	50.0	84.0	52.0	48.0	103.0	142.0	180.0	64.0	32.0	44.0	29.0
29	11.0	26.0	11.0	8.0	13.0	12.0	7.0	6.0	10.0	11.0	20.5	23.0	30.0	20.0	14.0	9.0	15.0	36.0	32.0	28.0	24.0	20.0	31.0	16.0
30	23.0	8.5	13.0	11.0	25.0	10.0	3.5	8.5	14.5	11.5	6.5	8.5	14.0	24.5	28.0	29.5	25.5	22.0	37.0	31.0	46.0	27.0	40.0	40.0

\* greater than

BAKER LAKE JULY 1958 TABLE 127

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	29.0	37.0	61.0	37.0	25.0	11.5	65.5	27.5	9.5	8.0	13.0	10.0	19.0	10.0	33.5	20.0	16.0	34.5	33.5	29.5	25.5	13.0	21.5	18.0
2	10.5	6.0	5.5	10.0	3.5	6.5	6.0	12.5	13.5	13.0	15.0	12.5	12.0	18.5	20.5	28.0	31.0	19.5	26.0	39.0	36.0	39.0	53.5	18.5
3	31.5	20.5	7.0	9.5	12.0	13.0	18.0	9.5	14.0	13.5	13.5	19.5	18.5	21.5	16.5	22.0	133.0	182.0	227.0	36.0	64.0	95.0	19.5	23.0
4	21.0	5.5	15.3	12.3	13.3	14.0	12.5	19.0	47.0	15.0	18.0	24.0	9.0	14.5	41.3	48.0	78.3	37.0	73.0	64.0	50.0	66.0	34.0	21.3
5	21.0	15.5	23.0	11.5	15.0	10.0	6.5	10.3	6.0	13.0	11.0	24.0	16.0	33.3	15.0	49.0	43.0	30.5	16.0	15.3	35.0	57.0	58.0	15.0
6	22.5	22.0	15.0	15.7	12.7	12.5	2.0	4.0	3.3	4.5	5.5	8.0	5.0	8.5	11.0	47.0	11.3	13.0	33.0	13.0	8.0	7.0	7.0	8.0
7	10.0	6.5	4.5	13.3	32.0	22.0	12.0	19.0	17.0	10.3	27.0	59.3	45.5	14.5	24.0	52.0	35.3	25.0	51.0	31.0	12.0	79.0	30.0	23.0
8	12.3	14.5	37.5	18.5	21.0	40.0	23.0	57.0	225.0	187.0	144.0	164.0	235.0	390.0	183.0	142.0	81.0	414.0	347.0	122.0	171.0	158.0	171.0	33.0
9	45.0	29.0	28.5	40.5	8.0	12.0	4.5	12.0	6.3	25.5	22.5	14.0	26.0	23.0	42.0	37.0	25.0	83.0	34.0	40.0	15.3	31.3	33.0	67.5
10	24.0	12.0	30.0	20.0	13.0	10.0	17.0	6.5	8.0	5.5	5.5	13.5	10.3	55.3	15.5	10.0	15.0	28.0	51.0	29.0	33.3	14.0	37.0	15.0
11	13.0	14.0	11.5	26.0	23.3	13.3	13.0	17.0	9.0	10.0	13.0	31.0	19.0	30.3	27.7	33.0	43.0	48.0	32.0	92.0	153.0	21.0	40.0	14.5
12	28.0	25.0	11.0	15.5	7.0	3.5	10.3	14.0	19.0	115.0	57.0	41.0	35.0	9.0	35.0	75.0	49.5	161.0	142.0	42.0	55.0	49.0	11.0	11.0
13	20.0	17.0	46.5	97.0	15.0	22.5	70.0	20.0	12.0	5.3	31.0	32.0	29.0	45.0	23.0	32.0	34.0	40.0	39.5	17.5	23.3	32.0	28.0	27.0
14	20.0	16.0	16.0	67.7	51.0	18.0	11.0	12.0	28.0	33.0	8.0	11.5	13.3	20.0	21.0	20.3	35.0	44.0	34.0	38.3	31.0	26.0	22.0	13.0
15	8.0	10.5	11.0	10.0	10.0	6.0	6.0	4.0	7.0	5.3	5.0	16.3	9.0	13.5	19.0	20.5	19.0	18.0	25.0	37.0	37.7	16.0	20.0	23.0
16	16.5	10.5	4.0	7.0	6.5	7.0	4.3	7.5	4.3	5.0	5.0	5.5	31.0	35.0	10.5	20.0	12.0	16.3	47.0	40.0	14.0	10.0	31.0	
17	19.5	33.0	15.3	10.0	20.3	137.0	11.5	14.0	7.5	22.0	21.0	10.0	22.0	22.0	7.0	13.0	14.0	13.0	22.5	13.0	19.0	17.0	35.0	32.5
18	21.0	14.0	17.0	22.0	20.5	17.0	14.3	27.0	81.0	25.5	24.0	31.0	19.0	39.0	82.0	72.5	177.0	107.0	99.7	47.5	54.0	37.0	24.3	52.0
19	18.0	21.0	20.0	12.0	58.0	14.5	15.0	219.0	28.0	16.0	11.0	15.0	17.0	26.7	24.5	19.0	42.0	39.0	20.0	44.5	39.0	30.0	14.0	51.0
20	28.0	14.0	35.0	16.0	16.0	78.0	48.0	36.0	30.0	13.0	16.0	19.0	11.0	10.0	-	32.0	-	-	-	-	-	40.0	26.0	20.0
21	19.0	12.5	20.0	24.0	6.0	30.0	10.0	24.7	11.0	16.0	4.0	11.5	6.5	22.0	51.0	50.5	144.0	166.0	223.0	177.0	73.0	235.0	191.0	51.0
22	18.0	23.0	40.0	20.0	13.0	24.0	12.3	8.0	16.3	32.0	32.0	17.0	49.0	79.0	27.0	55.0	26.0	16.0	30.0	26.0	14.5	24.0	15.3	19.0
23	15.0	5.3	11.0	10.0	4.0	2.0	5.0	3.5	5.5	6.7	5.3	12.0	9.0	29.0	19.0	12.0	13.5	11.0	11.5	5.0	15.0	24.0	18.0	9.0
24	20.5	10.0	8.0	14.5	13.5	9.0	5.5	3.0	4.0	9.0	9.0	6.5	22.3	20.3	71.0	57.5	60.5	94.0	83.0	48.0	27.5	14.5	45.0	14.0
25	8.5	21.3	11.0	8.0	6.0	9.0	14.0	17.5	38.7	20.7	32.3	29.0	23.0	43.0	50.0	86.0	48.0	151.5	145.0	63.0	36.5	27.5	45.0	17.0
26	27.0	5.5	9.0	18.0	18.0	7.0	10.0	4.0	9.0	9.0	10.0	11.0	9.0	15.0	14.0	7.0	19.0	11.7	28.7	22.0	18.0	12.0	9.0	15.3
27	11.0	8.0	18.0	33.0	26.5	10.0	10.3	17.0	18.0	26.0	18.0	42.0	64.0	37.3	96.0	43.0	44.0	24.0	39.0	25.5	18.0	25.5	9.3	17.5
28	13.5	13.5	30.3	15.3	5.5	7.3	10.0	7.3	5.3	4.0	8.3	6.7	11.0	14.0	10.0	18.0	8.3	12.0	6.0	7.3	13.5	8.0	8.0	16.0
29	12.0	10.0	10.0	7.0	4.0	5.0	2.0	2.5	4.0	5.0	6.0	7.5	7.0	24.5	13.0	9.3	6.0	8.0	26.3	17.3	23.3	7.0	16.5	17.3
30	40.0	5.5	8.0	12.0	7.0	15.0	12.0	13.0	10.5	12.0	6.5	7.0	4.0	10.5	17.0	24.0	106.0	27.0	77.0	65.3	50.0	31.5	36.5	15.0
31	10.0	14.0	13.3	10.0	7.0	9.0	7.0	5.5	6.5	7.0	16.5	16.0	12.0	12.0	22.0	75.0	69.0	77.0	34.0	9.0	14.3	73.0	48.0	21.0

BAKER LAKE AUGUST 1958 TABLE 128

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	30.0	19.5	15.5	8.5	6.0	4.0	4.0	4.0	4.0	14.0	34.0	51.0	30.0	25.0	24.3	18.0	26.5	54.3	27.0	77.5	28.0	16.0	30.0	35.5
2	31.0	10.3	31.5	11.5	13.5	8.0	5.5	5.0	12.0	5.0	9.0	28.0	27.0	39.0	26.0	31.0	51.0	52.0	38.0	49.0	28.0	6.0	11.0	23.5
3	25.3	30.3	35.0	41.0	10.5	22.0	11.3	5.5	9.0	16.0	9.0	23.0	29.5	15.0	73.0	37.0	37.0	17.0	12.0	16.3	6.0	9.5	12.5	17.0
4	11.0	5.3	10.0	14.0	15.3	17.3	3.0	5.5	4.3	5.5	10.0	13.0	21.5	13.5	29.0	20.0	30.0	41.3	14.5	26.0	20.0	9.0	18.0	12.0
5	7.5	11.5	8.5	9.0	5.0	6.0	7.3	3.3	4.0	12.5	12.0	17.0	19.0	10.0	22.0	36.0	32.0	31.0	42.3	12.0	14.5	16.0	10.0	14.3
6	11.0	12.0	16.5	5.0	3.0	3.0	2.0	2.0	2.0	4.0	3.0	10.0	8.5	20.0	10.0	21.0	20.3	8.3	7.0	17.0	12.5	23.0	9.0	6.0
7	5.0	11.0	5.0	10.0	4.0	2.3	7.0	10.0	11.0	18.5	19.0	27.0	27.0	49.5	25.5	26.3	9.0	27.0	23.3	25.0	11.0	10.0	15.0	13.3
8	10.0	7.0	12.0	4.5	2.5	1.7	4.0	3.0	3.0	3.0	9.5	17.5	17.0	24.0	19.3	81.0	28.5	31.0	15.0	12.0	10.0	18.0	5.0	12.0
9	10.5	23.5	10.0	5.0	4.5	4.0	2.5	3.0	4.5	2.0	3.0	7.5	16.0	27.0	26.3	20.5	16.0	13.0	16.0	24.5	35.0	11.5	34.0	24.0
10	19.0	13.5	7.0	2.5	6.5	6.0	8.0	6.0	7.0	12.0	14.0	15.0	16.5	34.0	21.5	93.0	132.0	52.0	16.0	122.0	119.0	54.0	69.0	42.3
11	14.0	11.0	16.7	15.0	22.0	23.3	15.5	8.5	16.0	23.5	14.0	23.0	19.3	12.3	28.5	18.0	69.3	36.0	41.0	22.5	20.5	8.0	13.0	9.5
12	5.3	2.3	10.0	6.0	8.0	125.0	16.3	21.0	6.3	6.0	8.0	15.0	15.5	21.0	9.0	18.0	10.0	9.0	11.0	16.0	34.3	24.0	37.0	7.0
13	17.0	6.3	11.0	8.0	11.3	20.0	16.5	14.3	12.3	24.0	32.0	21.3	16.3	6.0	21.3	42.0	18.5	28.0	23.3	20.0	11.0	13.0	6.5	10.5
14	19.0	13.0	33.0	33.5	6.0	5.0	2.5	2.0	4.0	4.0	4.0	6.5	8.0	5.5	7.3	13.0	24.3	57.0	42.0	21.0	46.3	73.0	63.0	21.7
15	18.0	12.3	9.7	9.0	14.0	35.0	14.0	5.5	3.7	6.5	19.0	22.3	16.0	43.5	22.3	28.0	17.0	13.0	15.0	15.3	11.0	17.5	12.3	35.0
16	17.5	7.5	9.5	8.0	3.5	2.5	3.5	5.0	4.0	4.0	10.5	6.3	15.0	33.0	20.7	28.5	59.0	90.5	39.0	55.0	9.5	12.0	8.3	8.3
17	7.0	8.0	8.0	9.5	24.0	12.5	70.5	50.5	36.5	34.0	94.0	109.0	45.5	78.0	201.0	197.0	260.0	430.0	162.0	47.0	45.0	30.0	46.3	36.0
18	29.0	47.5	16.5	14.0	22.0	31.3	10.0	15.0	16.0	20.0	14.3	15.5	16.0	22.0	23.3	30.5	41.3	12.0	31.7	23.0	17.0	11.7	30.0	27.7
19	16.0	13.5	11.3	11.0	12.0	11.0	9.7	6.0	5.5	8.0	24.3	10.5	14.0	10.0	26.5	34.5	31.3	31.0	28.3	36.0	27.3	29.0	11.3	13.3
20	17.0	12.5	11.0	6.5	4.3	13.0	6.3	7.5	9.0	8.0	6.3	9.5	17.0	17.0	30.0	28.7	25.0	15.5	4.5	4.0	8.0	11.0	10.5	11.3
21	8.0	7.0	10.0	2.0	3.0	1.7	1.0	1.0	2.0	2.0	7.5	12.5	20.3	22.0	30.0	35.0	21.3	9.0	13.5	21.0	16.5	22.0	44.0	19.0
22	14.5	8.5	217.0	169.0	41.0	21.0	23.0	32.0	17.0	14.5	24.0	33.5	35.5	31.5	10.0	63.0	36.5	56.0	81.0	10.0	18.0	13.0	17.0	12.0
23	13.0	11.0	14.5	6.0	22.0	12.0	16.7	11.0	10.0	10.0	19.5	18.0	18.0	16.0	25.0	25.0	30.0	39.5	29.0	42.0	42.0	12.0	30.0	32.0
24	11.0	24.0	168.0	65.0	65.0	77.0	34.0	26.0	18.0	15.5	22.0	30.5	53.0	29.3	57.0	87.3	82.3	45.0	39.0	19.0	8.0	16.0	31.0	15.0
25	44.0	15.0	14.7	36.0	35.0	20.0	12.0	16.0	13.0	8.0	25.0	20.0	37.0	62.0	30.0	26.0	21.3	15.0	13.0	18.3	11.0	11.3	11.3	15.0
26	17.3	14.0	15.0	7.5	12.0	37.5	11.0	11.0	11.0	13.0	22.0	19.0	11.5	31.0	32.0	50.0	36.5	45.0	19.0	19.0	15.0	13.0	11.0	45.7
27	35.0	30.0	23.0	114.0	73.0	41.0	65.0	82.0	36.5	36.5	30.5	24.5	33.0	35.0	76.0	218.0	127.0	49.0	122.0	91.0	30.3	44.0	18.0	13.5
28	11.0	9.0	6.0	12.0	8.0	14.0	9.5	12.5	9.5	8.0	11.0	10.0	11.5	13.5	23.0	44.0	34.5	22.5	52.5	49.0	37.3	27.3	48.3	43.0
29	7.5	9.0	5.0	6.3	8.5	9.5	8.0	16.0	13.0	6.3	18.5	10.0	17.0	27.0	23.0	26.3	38.0	23.0	40.0	24.0	47.5	17.0	32.0	19.0
30	16.7	12.5	15.0	9.5	5.3	22.5	13.0	12.0	15.3	11.0	6.0	9.5	15.0	56.0	67.0	25.0	28.5	30.0	19.0	27.0	36.3	18.0	22.3	20.0
31	19.5	17.0	12.0	52.0	13.3	7.3	8.0	5.5	5.5	12.0	6.0	11.0	7.0	11.0	13.0	23.0	22.0	30.0	21.0	15.3	4.0	8.0	3.3	7.5

BAKER LAKE SEPTEMBER 1968 TABLE 129

HOURLY RANGES in mms.

SCALE VALUE: 4.23  $\gamma$ /mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	6.5	5.0	3.0	1.0	1.7	3.0	3.0	4.5	5.0	4.5	8.5	18.0	9.0	15.5	20.3	39.0	23.5	15.0	23.0	17.0	18.0	8.0	5.5	14.0
2	9.0	5.3	6.0	9.0	15.0	13.0	3.5	2.7	2.3	7.0	8.0	11.0	4.7	19.0	33.0	7.5	19.0	9.3	12.0	15.0	10.0	10.5	16.0	12.7
3	8.5	6.3	4.5	3.7	6.5	7.0	14.5	7.5	18.0	75.3	34.0	32.0	79.5	25.5	56.3	118.0	97.0	187.0	272.0	114.0	219.0	89.0	29.0	14.0
4	16.0	10.3	10.5	17.0	13.0	9.5	6.0	4.3	25.0	9.0	15.0	15.3	18.7	117.0	80.0	36.3	54.7	85.0	45.0	42.5	35.0	62.3	39.0	37.3
5	38.0	11.0	17.0	19.5	30.0	17.0	8.5	21.5	16.0	21.5	15.3	14.5	8.0	43.5	36.0	28.5	56.0	25.0	170.0	80.0	124.0	14.3	49.0	17.0
6	15.0	8.7	6.0	5.0	7.0	10.5	7.5	6.0	3.5	4.0	11.0	16.0	35.0	10.0	20.0	15.0	21.0	33.0	23.0	19.0	23.3	24.0	25.0	15.0
7	15.0	8.0	4.0	4.5	6.3	74.0	57.0	18.0	9.0	8.0	13.5	8.0	17.5	16.0	41.0	39.0	19.0	56.0	63.0	25.5	19.3	35.0	24.5	21.0
8	13.0	12.0	13.3	11.5	8.0	6.3	11.0	4.0	13.3	9.0	13.5	9.0	16.5	15.5	34.0	59.0	56.0	24.0	21.0	18.0	36.0	49.0	64.0	39.0
9	22.0	20.0	15.5	5.5	8.0	8.0	9.0	9.3	11.5	11.3	15.0	26.3	37.0	42.0	47.0	63.0	48.0	24.0	60.5	43.0	38.5	24.0	38.0	33.0
10	8.0	13.0	7.0	8.5	4.0	5.0	4.0	4.0	5.0	6.0	5.3	7.3	11.7	26.0	33.0	31.0	39.0	16.3	24.0	13.3	12.0	32.0	19.3	9.0
11	12.0	11.0	8.3	7.5	8.5	3.5	6.0	37.3	15.0	13.0	18.0	12.5	12.5	15.0	11.0	18.0	20.5	27.0	15.0	25.0	23.5	15.0	22.0	12.5
12	10.0	10.0	10.0	7.0	2.5	2.7	4.0	5.0	4.7	10.0	7.0	7.5	7.5	12.0	12.0	8.3	18.3	12.0	19.3	13.3	9.0	6.5	11.0	9.0
13	15.0	2.5	2.0	4.5	3.0	2.5	2.0	2.0	1.0	2.5	6.0	3.0	6.0	17.0	10.0	8.0	8.0	9.0	8.5	6.0	21.3	7.0	13.5	12.3
14	2.0	2.0	2.7	2.0	2.5	4.0	2.0	2.0	2.0	0.5	4.5	7.0	20.0	25.0	13.0	13.0	16.5	13.0	10.7	14.5	5.7	15.0	11.0	15.0
15	7.7	2.0	3.0	2.0	3.5	1.3	4.0	3.0	3.0	3.0	6.7	8.5	7.0	13.0	7.0	8.0	6.3	15.0	31.0	4.5	4.7	18.0	14.0	20.0
16	16.0	18.0	22.0	11.0	16.0	19.0	16.0	9.5	7.0	12.0	50.5	34.3	21.0	89.0	139.0	126.0	235.0	122.0	144.0	42.0	20.0	16.0	26.0	14.0
17	7.0	17.0	5.0	8.5	11.0	5.0	3.7	3.5	5.0	6.0	8.0	19.0	17.0	26.0	28.0	25.3	23.3	30.3	13.5	8.5	13.0	6.0	8.5	7.0
18	5.0	2.3	2.0	2.7	1.7	2.5	1.5	3.0	3.0	5.0	4.0	6.0	10.0	6.0	9.3	11.3	18.0	24.5	20.3	14.0	24.3	21.0	19.0	12.0
19	6.0	2.0	1.5	2.0	1.7	2.3	3.0	2.0	2.0	3.3	4.7	5.5	11.3	11.0	14.0	13.0	8.0	3.3	5.0	28.0	13.0	5.0	5.0	10.0
20	8.7	3.5	7.0	2.5	3.0	4.0	1.0	2.0	4.5	5.0	5.5	2.5	13.0	12.0	10.0	9.0	8.0	10.0	14.0	23.0	22.5	23.3	21.0	11.0
21	7.0	12.0	8.0	5.0	2.0	2.5	1.0	1.3	10.3	4.7	3.7	5.0	17.0	17.0	14.0	18.3	10.0	6.5	9.3	10.0	4.0	3.0	10.5	16.0
22	6.0	1.3	2.0	4.5	5.0	6.5	1.7	1.5	2.0	0.5	3.0	4.0	7.5	11.5	8.0	8.0	8.0	14.0	11.0	10.0	6.0	8.0	12.5	4.0
23	10.5	9.0	9.3	3.0	7.5	6.7	6.0	13.5	11.3	8.0	17.0	7.0	20.0	6.5	7.7	15.0	12.0	8.5	5.0	5.5	19.5	7.0	11.3	23.0
24	10.0	5.0	6.3	5.3	6.0	8.0	5.3	6.0	8.0	7.5	8.0	13.7	30.0	12.5	17.0	10.0	17.0	26.0	19.5	8.0	10.0	8.0	23.0	13.0
25	11.0	6.0	10.5	9.5	158.0	93.0	17.0	20.0	17.3	10.3	37.0	28.0	29.0	55.0	20.0	25.0	81.0	132.0	64.0	38.0	27.0	31.0	22.0	35.0
26	14.0	9.0	10.0	14.5	15.0	10.5	6.5	12.0	14.0	5.5	6.0	7.5	10.0	15.3	25.5	32.0	46.3	36.0	31.3	55.0	54.3	21.0	22.0	26.5
27	8.0	4.3	4.3	4.5	7.5	8.0	6.0	4.3	4.5	10.0	11.0	17.0	8.0	14.0	19.7	13.0	34.0	47.0	56.0	47.5	65.0	36.0	18.0	16.0
28	13.0	13.0	10.3	5.0	7.0	32.0	7.0	4.0	6.0	7.0	10.7	14.0	19.0	18.0	14.0	10.0	15.0	15.3	16.5	7.0	11.0	7.7	2.5	5.0
29	4.0	1.0	2.0	2.0	3.3	7.3	14.3	5.5	2.5	3.0	9.0	11.0	9.0	12.0	10.3	6.7	12.0	7.3	12.0	10.3	7.0	5.5	8.0	8.3
30	3.0	2.7	2.7	3.5	6.0	2.5	4.5	3.0	4.5	7.0	14.0	30.0	32.3	33.3	27.0	30.5	43.0	20.0	70.0	81.0	50.3	20.0	34.5	24.3



BAKER LAKE OCTOBER 1958 TABLE 130

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	8.0	4.3	5.5	6.0	7.0	5.0	35.3	50.5	6.0	6.0	4.0	6.5	10.7	13.5	14.3	28.3	18.0	24.0	11.0	22.5	30.0	15.3	14.3	9.0
2	18.3	12.0	9.5	16.0	9.0	8.0	12.0	14.5	8.5	5.3	9.0	7.0	12.0	9.0	14.0	18.3	16.5	18.0	6.3	9.7	8.0	17.0	13.3	13.0
3	5.0	7.5	4.7	10.5	10.5	7.7	13.0	10.3	10.0	4.0	7.0	7.0	13.5	26.0	19.0	45.5	28.0	13.5	45.3	58.5	15.0	14.0	6.3	-
4	5.0	4.0	3.0	4.5	5.0	5.5	3.5	8.0	7.0	5.3	4.0	2.0	12.0	14.3	26.0	8.7	10.0	7.5	18.0	4.0	5.0	8.0	10.5	23.3
5	19.0	21.5	6.0	2.7	2.5	7.0	8.0	11.5	13.5	5.7	8.0	10.0	6.5	24.5	18.0	17.3	12.3	33.0	56.0	23.0	52.3	49.5	22.5	19.5
6	13.5	3.7	4.3	6.0	11.0	13.0	11.5	10.0	6.0	7.0	8.3	10.0	9.0	32.0	15.0	14.0	11.0	24.5	9.0	14.0	45.0	26.3	22.3	4.7
7	5.0	16.0	9.0	4.3	8.0	7.5	49.0	46.5	21.0	12.5	12.5	13.0	13.0	26.0	33.5	33.0	36.0	26.0	23.0	29.0	32.0	43.0	10.0	7.0
8	9.0	10.3	16.5	6.0	2.3	8.5	9.0	7.0	7.3	4.0	7.3	10.0	13.0	5.0	9.0	14.7	13.0	11.7	4.0	7.0	4.7	6.0	15.0	10.0
9	5.0	2.0	7.0	15.0	6.0	3.5	4.0	2.0	2.0	10.0	4.5	5.5	7.3	8.0	8.5	14.5	8.5	8.0	10.0	11.5	13.5	5.5	9.5	10.0
10	4.5	2.3	3.3	1.5	1.3	2.0	2.0	1.3	1.0	2.3	5.5	2.0	7.0	7.3	8.5	16.5	12.0	16.3	7.0	8.7	10.0	2.5	11.0	4.3
11	12.0	5.5	5.0	4.5	6.0	2.5	2.0	2.0	4.0	3.0	4.3	6.0	7.7	6.0	5.5	9.0	8.0	4.0	8.5	9.0	6.5	7.7	7.0	13.0
12	3.5	3.0	4.0	1.5	2.3	1.0	2.0	1.7	2.0	3.0	2.3	1.3	3.5	5.5	6.0	11.0	8.3	8.7	7.0	12.0	9.5	8.7	5.3	5.0
13	2.3	3.5	2.5	3.0	3.0	12.0	27.0	8.0	3.0	8.5	7.0	7.5	5.7	6.3	12.5	15.0	15.3	32.3	7.5	17.5	10.5	9.0	6.5	13.5
14	5.0	4.0	6.0	3.5	5.0	1.5	3.3	4.0	2.3	3.5	5.0	7.3	5.0	9.0	20.0	30.0	19.0	10.0	7.0	8.0	7.3	11.5	14.0	5.3
15	7.0	5.3	7.0	8.0	5.0	6.3	9.0	2.7	4.0	3.0	6.0	9.0	13.0	13.0	12.3	9.0	16.3	8.0	6.5	31.3	9.3	10.7	15.0	7.7
16	4.3	4.5	5.0	10.5	10.0	16.7	12.0	7.0	5.0	4.0	7.0	2.0	8.3	11.0	14.0	21.0	15.0	17.0	7.0	8.0	11.5	8.3	13.0	10.0
17	10.0	7.0	4.3	2.3	10.0	10.3	7.3	19.3	5.0	9.5	5.0	8.0	5.0	14.0	9.0	13.0	23.3	19.5	15.0	15.5	17.0	17.0	11.0	10.3
18	7.0	10.7	8.0	8.0	3.0	2.0	6.5	9.0	7.3	6.0	9.7	7.0	4.5	15.0	12.0	15.5	21.3	21.0	6.3	10.3	9.0	10.0	10.3	4.5
19	2.5	4.5	4.0	19.0	29.5	8.0	8.0	3.0	2.0	5.0	8.3	17.5	6.0	16.5	26.0	37.0	50.7	47.0	35.0	13.0	13.3	15.0	5.5	8.0
20	9.0	8.5	5.0	2.3	1.0	1.7	3.5	3.0	6.0	5.0	2.5	2.7	4.0	8.5	17.0	23.0	21.0	13.0	6.3	6.0	4.5	13.3	5.0	2.7
21	4.5	5.0	6.3	48.0	17.0	7.0	15.5	5.0	5.3	3.0	9.0	3.5	11.7	12.3	14.7	13.5	10.0	9.5	10.5	6.0	17.0	12.0	5.3	6.5
22	6.0	4.0	3.0	5.5	10.0	11.0	59.0	64.5	20.3	11.0	21.7	12.3	16.0	9.0	35.0	52.5	14.3	26.0	29.5	26.0	15.5	16.3	16.0	19.5
23	14.3	5.0	7.0	6.3	3.3	10.0	8.3	4.0	11.3	8.0	16.0	18.5	9.0	6.0	12.0	6.5	5.0	13.0	9.5	16.3	17.5	25.0	8.0	14.0
24	13.0	4.0	7.7	11.0	6.0	4.0	8.0	173.0	114.0	21.3	33.0	32.0	30.0	23.0	18.3	22.0	26.0	64.5	94.0	33.5	69.0	16.0	25.0	17.5
25	17.3	10.0	8.5	10.3	8.0	6.0	5.0	13.0	11.0	5.0	6.0	6.0	7.0	11.0	13.7	6.7	11.0	4.3	11.0	7.3	4.0	6.0	5.0	2.5
26	3.3	2.3	1.5	8.0	8.5	6.0	8.5	6.0	25.5	9.0	10.5	8.0	17.3	18.0	31.5	24.3	29.3	41.0	39.0	27.5	11.0	9.3	10.0	4.5
27	8.0	3.5	6.0	85.0	30.0	5.0	5.0	4.0	5.0	3.7	3.3	8.0	5.0	18.0	8.0	28.3	52.0	77.5	19.0	19.5	18.0	11.3	16.0	12.0
28	13.0	5.3	5.5	5.3	6.0	5.5	3.5	8.0	9.0	8.0	45.5	56.0	33.0	33.0	33.0	76.0	80.0	40.7	58.0	73.0	35.0	31.0	28.0	18.0
29	14.3	15.5	7.5	9.5	13.5	9.3	27.0	10.0	5.0	7.0	7.0	12.0	6.5	11.0	26.3	29.5	57.0	29.0	14.0	24.7	36.3	20.5	10.3	15.0
30	16.0	8.3	7.0	5.0	4.0	7.3	50.0	7.0	12.0	8.0	4.7	15.0	11.3	22.0	6.3	33.5	71.0	56.5	26.3	26.0	37.0	15.0	22.0	19.5
31	11.0	5.0	2.5	3.0	5.0	19.3	19.0	17.3	9.0	12.0	7.0	14.3	17.3	18.5	17.0	19.5	33.0	7.0	5.0	13.5	14.0	11.3	17.0	4.0

BAKER LAKE NOVEMBER 1958 TABLE 131

HOURLY RANGES in mms.

SCALE VALUE: 4.23 gammas/mm.

U.T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	4.0	1.0	1.7	4.3	2.5	3.5	2.3	1.5	2.5	3.0	4.7	8.0	5.0	6.5	15.0	27.5	9.0	16.0	16.3	7.3	9.0	8.5	6.0	3.0
2	2.5	1.0	4.0	2.5	5.0	16.5	7.5	6.5	3.3	2.0	6.3	4.5	5.0	24.0	19.0	15.5	16.0	47.0	105.0	15.5	38.0	14.0	19.0	18.0
3	14.0	9.0	2.3	11.0	11.3	6.5	5.3	4.0	5.3	5.0	8.0	5.3	5.5	9.0	46.0	38.0	42.0	38.3	17.0	15.0	13.5	7.5	15.0	4.5
4	3.5	5.0	3.0	12.5	15.0	6.5	5.0	2.5	5.0	6.0	10.3	18.0	19.0	21.0	10.0	13.0	16.0	10.0	17.5	17.5	18.0	13.5	12.5	3.0
5	2.5	6.0	6.5	2.5	2.0	3.0	2.5	3.0	4.0	2.0	1.3	4.0	7.0	8.5	12.7	11.0	10.0	17.3	6.0	8.3	5.0	10.3	4.7	3.7
6	4.0	2.5	1.5	3.3	1.7	1.5	1.5	7.5	4.5	3.0	1.7	4.7	8.0	9.0	12.7	8.0	12.0	8.0	12.0	6.5	14.0	7.0	5.0	4.5
7	4.5	3.5	6.0	4.0	14.0	22.5	3.0	2.0	4.0	4.3	6.0	8.0	21.3	12.0	12.5	35.0	13.0	14.0	14.0	4.0	15.0	8.0	9.0	5.5
8	3.0	2.5	2.0	4.3	5.0	16.0	5.3	2.3	3.0	8.3	6.7	5.3	10.3	6.3	7.5	9.5	8.0	15.0	9.5	5.5	11.3	5.7	5.3	6.3
9	3.3	6.0	3.0	2.0	2.3	26.5	19.0	7.5	3.0	3.0	6.0	5.0	5.7	4.0	3.7	3.0	1.5	5.5	3.3	2.3	3.0	3.0	1.7	3.0
10	2.5	2.5	3.0	1.5	3.3	6.0	7.3	6.3	5.0	9.5	59.0	30.0	16.0	9.0	12.0	16.5	36.3	36.0	60.0	40.5	34.3	14.0	16.5	10.0
11	12.0	7.0	15.0	7.0	5.0	6.0	9.3	7.0	3.3	5.7	4.0	5.0	5.5	15.5	15.0	22.0	22.0	10.7	9.5	8.3	15.0	7.0	8.0	2.5
12	6.5	6.5	5.3	5.0	2.5	4.5	5.0	4.3	4.0	2.0	9.5	10.0	18.0	21.0	13.3	28.5	34.0	12.0	10.0	15.3	16.3	11.0	27.5	15.5
13	8.0	13.7	10.5	11.5	2.5	8.0	10.0	7.0	4.3	4.5	2.0	4.0	5.0	3.5	9.7	20.0	12.5	10.5	4.5	3.0	2.0	4.5	4.5	4.3
14	3.0	5.5	5.7	5.3	3.3	3.0	2.3	1.5	2.0	2.0	2.5	4.5	3.0	6.0	6.0	5.5	6.0	6.0	4.0	3.0	10.0	10.0	11.3	11.3
15	9.5	3.0	11.5	15.0	7.3	6.0	11.0	12.7	11.0	19.3	5.3	3.7	6.7	19.3	10.0	8.0	15.0	5.0	4.5	3.5	4.3	6.7	7.5	9.0
16	7.5	2.0	5.3	4.0	2.5	8.0	3.0	5.0	17.5	7.0	7.5	8.0	19.0	15.3	18.0	34.3	16.0	6.5	6.0	6.0	15.0	9.0	4.7	4.3
17	2.0	2.7	5.0	6.0	13.3	26.0	33.0	6.7	10.7	21.0	4.3	9.0	5.0	13.3	40.0	32.0	32.0	19.5	14.0	7.0	12.5	8.5	7.5	6.5
18	2.5	2.0	4.0	5.5	3.5	3.5	3.5	34.5	37.3	14.0	13.0	6.0	12.0	22.5	20.0	15.0	18.0	24.0	37.0	7.0	21.0	18.0	11.0	10.3
19	9.0	5.3	2.5	3.0	4.0	3.7	13.0	7.3	3.5	5.0	5.0	5.3	4.0	5.0	8.0	31.0	21.0	13.0	5.0	2.0	5.0	1.7	4.0	3.5
20	2.0	2.0	9.0	29.0	10.7	14.5	19.3	6.0	2.5	1.0	2.5	16.0	11.0	17.0	11.0	14.0	26.0	8.0	2.3	9.0	5.3	6.0	3.3	5.0
21	2.5	2.3	4.5	1.0	2.0	1.0	1.3	3.3	3.0	3.0	2.0	13.0	3.0	17.0	14.0	15.0	25.0	12.0	7.5	5.0	7.0	7.0	3.5	5.0
22	9.5	9.5	4.0	6.0	2.5	4.0	1.5	3.7	1.3	2.0	3.0	4.0	2.0	6.0	15.3	7.0	7.7	4.0	6.0	2.0	5.3	6.0	5.3	2.3
23	4.0	1.3	3.3	3.5	3.7	1.7	6.0	4.5	7.5	10.5	8.5	3.5	10.0	15.3	8.0	9.0	26.3	24.0	13.0	5.5	4.0	6.0	4.0	3.0
24	1.5	1.5	1.5	0.7	0.7	0.5	5.0	4.5	4.3	10.0	17.0	11.0	22.0	21.0	27.0	22.3	15.3	10.0	8.0	12.0	11.0	8.0	6.0	5.0
25	5.7	3.5	3.0	4.3	5.0	6.7	2.0	4.7	5.3	6.0	3.0	6.5	9.0	23.0	17.5	29.0	43.0	42.0	20.5	15.0	11.0	12.0	5.0	6.0
26	7.0	4.5	6.0	7.3	6.0	12.0	9.0	8.0	7.0	10.5	6.0	7.5	6.0	15.0	11.5	34.0	28.0	31.0	15.0	10.3	7.0	14.7	10.0	7.5
27	4.5	8.0	7.5	1.0	8.0	12.3	6.3	14.0	13.0	9.3	38.0	7.0	19.0	17.3	12.0	26.0	31.3	37.0	15.0	26.5	10.0	4.3	7.0	7.0
28	6.5	4.0	21.0	43.0	25.3	7.0	17.5	35.5	49.0	10.3	20.7	10.3	19.7	22.5	16.3	27.0	26.0	14.5	15.0	16.0	12.3	7.5	5.0	8.3
29	4.3	8.0	36.0	14.0	6.3	9.0	11.0	3.0	6.5	11.0	12.0	7.5	17.5	10.3	7.0	15.0	10.0	9.0	5.7	4.0	12.0	7.0	3.5	6.0
30	4.0	2.0	3.0	3.5	1.5	3.0	1.3	8.0	5.0	2.7	2.0	2.3	3.0	3.5	3.0	12.0	12.0	5.3	2.7	4.0	3.5	3.0	3.0	3.0

BAKER LAKE DECEMBER 1958 TABLE 132

HOURLY RANGES in mms.

SCALE VALUE: 4.23  $\gamma$ /mm.

U. T. DAY	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	2.0	3.0	2.7	1.5	2.0	2.7	1.0	2.3	1.7	1.3	3.0	3.5	5.0	3.3	4.0	6.0	3.0	9.0	11.3	3.7	4.5	3.3	6.5	6.0
2	4.0	3.5	7.5	8.0	9.0	6.0	4.3	5.0	8.0	7.0	14.0	10.0	7.0	21.0	10.3	32.0	34.3	49.0	21.5	18.0	11.0	27.0	44.0	8.3
3	8.3	12.5	9.0	12.5	4.0	3.0	4.0	5.5	8.0	10.0	6.0	6.5	6.0	3.0	10.0	13.5	24.3	12.0	6.0	7.5	5.3	6.5	1.5	3.0
4	13.0	7.5	10.5	12.0	3.0	5.0	5.0	22.5	6.5	13.0	10.5	13.3	19.3	51.0	40.3	21.5	8.3	17.0	29.0	9.5	15.3	19.5	22.0	15.0
5	16.0	8.5	13.0	11.0	3.5	6.0	12.5	8.0	32.0	17.0	26.0	15.3	17.5	7.0	8.0	6.0	24.0	18.0	8.3	7.5	10.0	6.3	5.3	13.0
6	6.3	6.0	6.0	3.0	2.5	1.3	1.7	3.0	2.3	2.0	29.0	36.0	19.0	22.5	11.0	25.0	9.0	36.5	14.5	2.0	12.0	9.5	7.0	5.0
7	4.0	5.0	6.3	14.0	13.0	50.0	13.0	5.0	3.5	4.0	4.0	2.5	5.0	6.0	7.5	11.0	16.0	10.7	6.3	5.5	6.0	9.0	4.3	4.3
8	2.0	4.0	2.0	4.5	2.3	3.5	3.5	1.3	3.0	6.0	9.0	8.0	15.0	13.0	19.5	62.5	55.5	35.0	18.0	31.3	39.0	20.0	21.0	18.0
9	23.0	6.5	7.0	9.5	5.5	3.3	7.7	23.0	29.7	14.0	15.0	12.0	10.0	8.0	27.3	41.0	32.5	20.0	10.5	4.0	7.0	2.0	5.5	5.5
10	5.5	3.0	6.0	7.0	6.5	2.3	9.0	6.0	1.7	4.0	2.0	6.0	2.0	3.0	2.0	1.0	2.7	2.5	2.5	3.0	2.0	2.0	3.5	2.3
11	4.0	3.7	3.5	13.3	10.3	6.3	3.0	5.0	25.0	24.5	10.0	4.5	12.0	24.0	18.0	18.0	14.0	10.0	12.3	8.0	7.0	6.5	25.3	9.0
12	12.0	16.0	4.0	8.5	2.0	4.0	3.0	3.0	3.0	2.5	8.0	3.3	9.0	25.0	5.3	10.3	4.3	9.0	7.0	9.0	11.7	11.0	4.0	5.0
13	35.0	14.0	13.3	26.0	22.0	7.0	9.5	11.0	12.0	5.0	6.0	8.0	20.0	64.0	36.0	35.0	9.3	26.0	24.0	12.0	10.0	22.0	16.0	23.0
14	10.5	6.0	6.0	4.0	3.5	5.0	3.3	2.3	5.0	3.7	5.7	7.0	11.0	22.5	27.0	15.0	26.0	32.0	32.0	36.0	19.0	20.0	7.0	6.0
15	12.0	4.5	4.7	3.0	3.7	3.0	2.0	1.3	2.3	5.0	2.7	3.5	6.3	12.0	5.5	7.0	10.0	16.7	14.0	12.3	16.5	8.0	11.0	18.0
16	5.0	12.3	16.0	6.3	36.0	57.0	10.3	8.0	6.0	10.0	6.0	9.7	15.0	18.0	38.5	23.3	14.0	6.0	14.0	5.7	7.5	8.0	3.5	6.0
17	7.0	2.3	3.3	0.7	1.0	1.3	2.5	2.3	6.0	9.0	5.0	6.0	5.0	6.0	10.5	15.5	45.5	33.0	51.0	86.0	95.0	35.0	51.0	38.5
18	13.0	24.0	28.5	29.0	24.5	61.0	37.0	8.3	7.5	12.0	11.0	6.3	12.0	18.0	9.0	5.5	6.0	4.7	7.0	11.0	9.3	19.0	27.3	8.0
19	28.0	12.0	24.5	4.0	4.0	8.0	15.0	12.0	4.5	43.0	42.0	23.5	15.0	9.7	20.3	23.0	17.0	27.3	20.0	13.0	8.3	9.0	11.0	16.0
20	11.0	6.0	122.0	116.0	58.0	63.0	34.0	35.0	12.5	12.5	12.0	13.0	18.3	40.5	27.0	36.0	37.0	76.0	37.0	20.5	31.0	11.7	9.0	7.3
21	10.0	5.0	12.5	7.0	7.0	4.0	9.0	8.3	10.0	6.0	7.3	7.0	6.0	11.5	11.5	19.5	21.0	20.7	33.0	21.3	10.5	15.3	8.5	5.0
22	18.0	41.3	11.0	4.0	4.5	5.0	5.7	46.0	30.0	7.0	11.0	8.0	6.3	13.3	19.0	20.3	29.3	36.0	14.0	35.0	26.0	9.0	14.0	21.5
23	6.3	5.0	2.0	2.0	6.3	18.3	5.0	5.5	6.3	59.0	33.0	11.7	9.0	11.0	29.0	46.0	35.5	61.5	39.0	24.0	10.0	15.0	12.0	8.5
24	5.0	4.0	10.3	8.0	7.7	5.0	7.5	7.5	6.0	6.0	8.0	5.7	12.0	7.0	13.0	28.0	24.0	58.0	12.5	14.0	6.0	11.5	6.5	6.0
25	8.3	2.0	1.5	1.0	1.0	1.5	2.0	1.3	2.0	2.0	10.0	8.0	5.3	8.0	8.5	12.0	18.0	16.0	12.0	12.0	18.3	4.0	16.0	14.3
26	12.0	7.0	12.5	9.0	7.0	15.0	11.0	2.0	2.5	5.5	3.5	5.3	6.0	60.0	56.0	49.0	21.0	33.3	45.0	12.3	18.0	15.0	8.0	21.0
27	6.5	7.0	2.5	4.0	4.0	14.5	7.0	5.0	8.0	6.0	7.0	9.0	12.0	22.0	23.0	25.0	43.3	44.0	16.0	14.0	7.3	27.5	6.3	14.7
28	12.0	21.0	14.0	3.0	5.0	3.7	9.0	36.0	30.0	10.0	8.7	10.0	7.5	12.0	25.0	22.0	47.5	34.0	36.5	18.0	50.0	31.0	19.0	13.3
29	11.0	13.0	8.0	4.0	3.0	3.0	3.3	3.0	6.0	10.0	4.0	5.0	6.0	13.3	6.0	34.5	29.0	11.3	11.3	13.0	15.5	14.5	7.7	6.5
30	8.7	6.3	3.3	3.3	1.7	2.0	6.0	6.3	12.0	9.0	8.0	7.0	20.0	15.0	70.0	55.5	33.0	50.3	18.0	28.0	15.0	14.0	24.0	6.0
31	6.0	5.5	2.5	8.0	9.5	4.5	5.0	39.0	44.0	4.0	5.5	4.0	11.0	26.0	45.5	25.0	7.3	8.5	6.0	12.0	8.5	7.0	8.0	5.0