

太陽電波の観測と二三の考察

柿沼隆清 高柳利男

他太陽電波研究室一同

今回から 9400MC の資料を掲載する。この周波数の観測は 1955 年 11 月から行っているが、U. R. S. I. の共同観測及び I. A. U. の Quarterly Bulletin に公式に発表したのは 1956 年 5 月からである。通常較正はアンテナを空に向けたときの等価温度 12°K を基準にして行っているが、加熱負荷による記録も毎日行っている。それによると薄い雲による減衰は極めて少ないが、雨雲による減衰は時として 40% にも達することがある。

3750MC 及び 9400MC の観測資料を第 1 表から第 4 表迄に記してある。又この 2 つの周波数の定常輻射を対比して第 1 図に示してある。この 2 つの曲線が殆んど完全に平行していて以前オーストラリアで観測した 9400MC の資料の様なバラツキが見られないのは注目値する。

9400MC と 3750MC の毎日の定常輻射の相関図を第 2 図に示す。実線は回帰直線で、誤差が全部 9400MC の方にあるとして引いたものである。相関係数は 0.95 と云う大きい値になつている。此の図から 3750MC における静かな太陽の輻射を 80 単位 (1 単位は $10^{-22}\text{Wm}^{-2}(\text{C/S})^{-1}$ とすれば 9400MC における値は 222 単位と云うことになる。S 成分は此のレベルから上の輻射と定義されるわけである。第 2 図の傾斜から 9400MC の S 成分の値は 3750MC の S 成分の値の 0.8 と云う結果になる。一方 S 成分と静かな太陽の成分との比を比較すると 3750MC の方が 9400MC の 3.5 倍となつている。

9400MC に於ても 3750MC と同様に円偏波成分が観測される。偏波の回転方向は 3750MC と同じで、全 flux を基準とした偏波率は通常 2% 以下である。しかしながら次の様な面白い結果が得られている。1956 年 7 月の終りに略孤立した強い電波黒点が干渉計で観測された。しかも幸にそれ以外の S 成分には偏波が殆んど観測されなかつた。そこで左右円偏波の差が総てこの電波黒点だけに基くものとする、その偏波率は 9400MC では 26 日に 34.6%、27 日に 44.5% と云う大きな値になり 3750MC の夫々 8 及び 7% に比して著しく大きい。ここでその値の出し方について少しく述べる

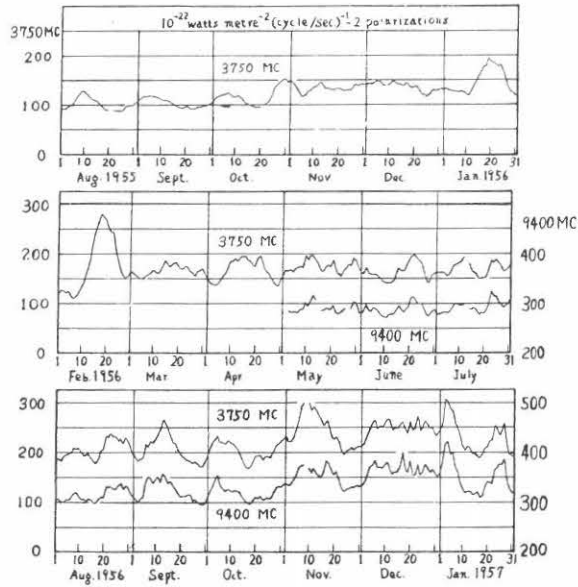
先ず 3750MC の基本成分はその月の干渉計の記録を重ね合わせた下の包絡線に包まれた部分に相当し、この分だけ全 flux から引くと電波黒点輻射の総計となる。この中から更に最も強い山の面積の割合だけ分離して取出しそれをその電波黒点の輻射とするわけである。9400MC においては先ず第 2 図の関係から基本成分を求めて差引き、電波黒点輻射に関しては 3750MC に完全に比例するとして同様な値を求めることが出来る。この値で 2 偏波の差を割つたものが前掲の値である。

9400MC と 3750MC とでは殆んど同時に異常現象が観測されているが、一方に全く出なかつたり或は極めて弱いと云う場合はしばしばある。これ等の同時記録の例を第 3 図に示す。丁度 1956 年の 11 月から干渉計の長時間記録を始めたので、これによつて記録されたものも対比して掲げた。

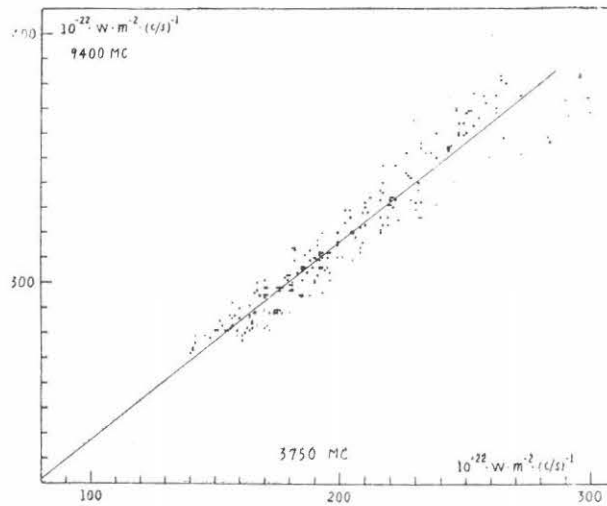
第 3 図を見て特に注意をひかれるのは、それまで弱い輻射しか観測されなかつた電波黒点でパーストが起ることがしばしばあると云うことである。例えば 12 月 20 日 0500 附近に 2 つのパーストが續いて起つているが初めの部分は太陽西縁で起り 9400MC の方が強く、後の部分は逆に東縁で起つていて 3750MC にしか観測されない。12 月 17 日の 0208 及び同月 20 日の 0135 のパースト更に前記パースト群の初めの部分は何れも太陽西縁にある同一の源で起つていて而も 9400MC の方が強いのは興味あることである。しかし何等かの結論を出すには今後更に多くの観測を行わなければならない。

現在電波源の強さを五段階に分け、その偏波と共にコード化したものを電波研究所を通じてオランダに送信している。

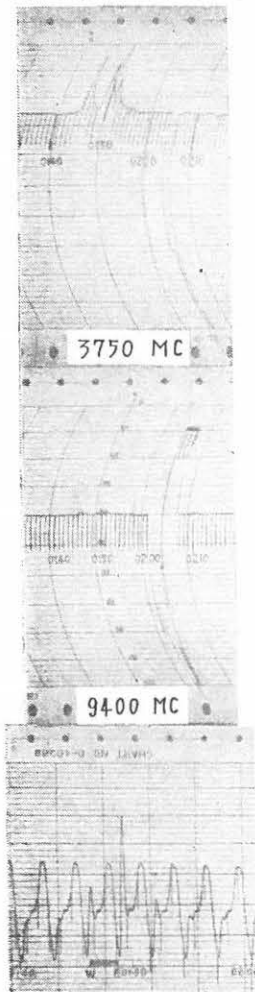
第1図 3750及び9400MCにおける定常輻射毎日の値



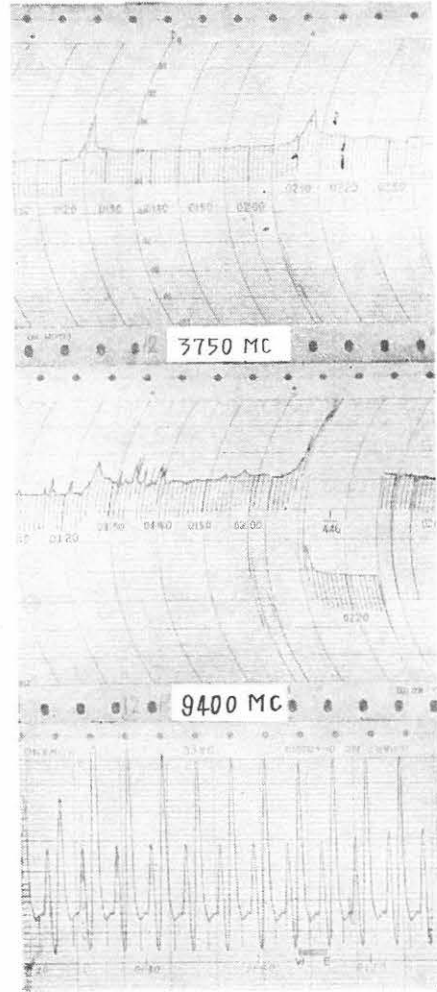
第2図 3750及び9400MC定常輻射毎日の値の相関図(5月—12月)



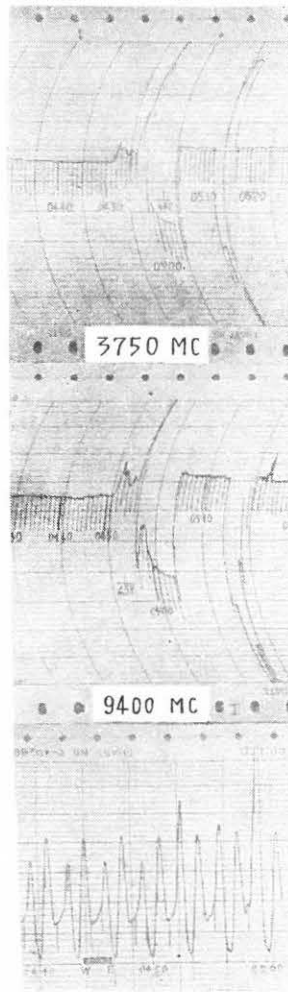
December 1, 1956



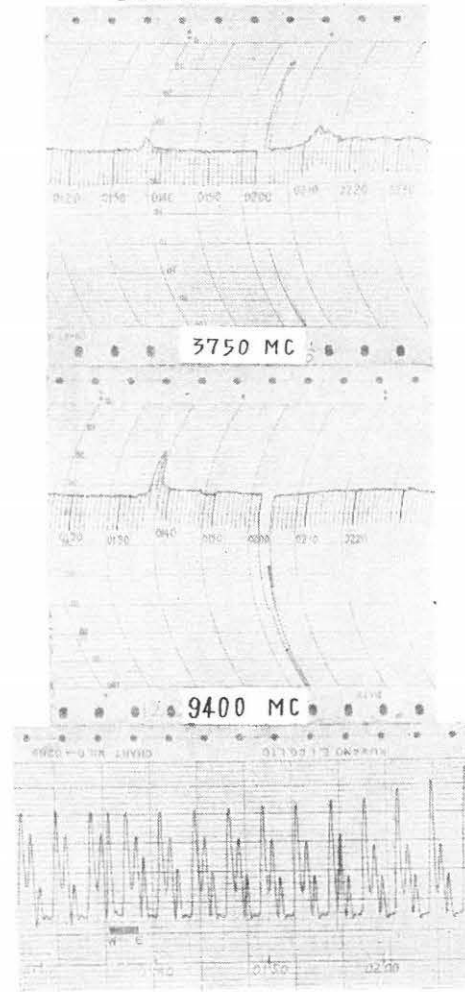
December 17, 1956



December 17, 1956

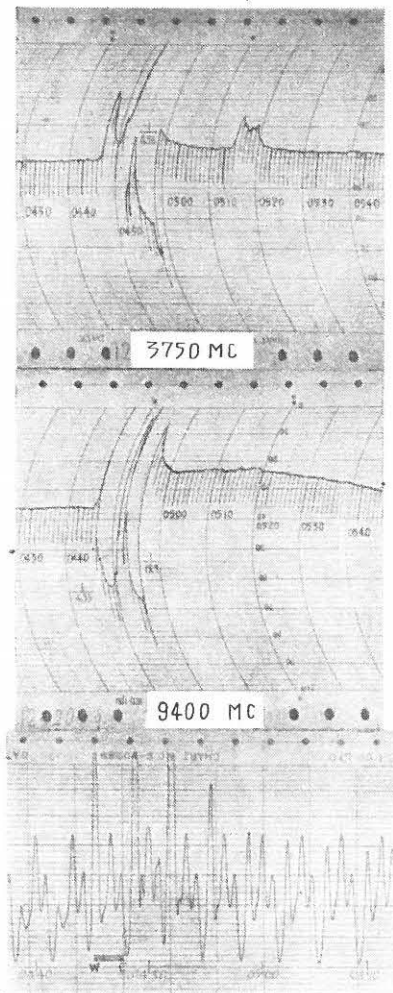


December 20, 1956

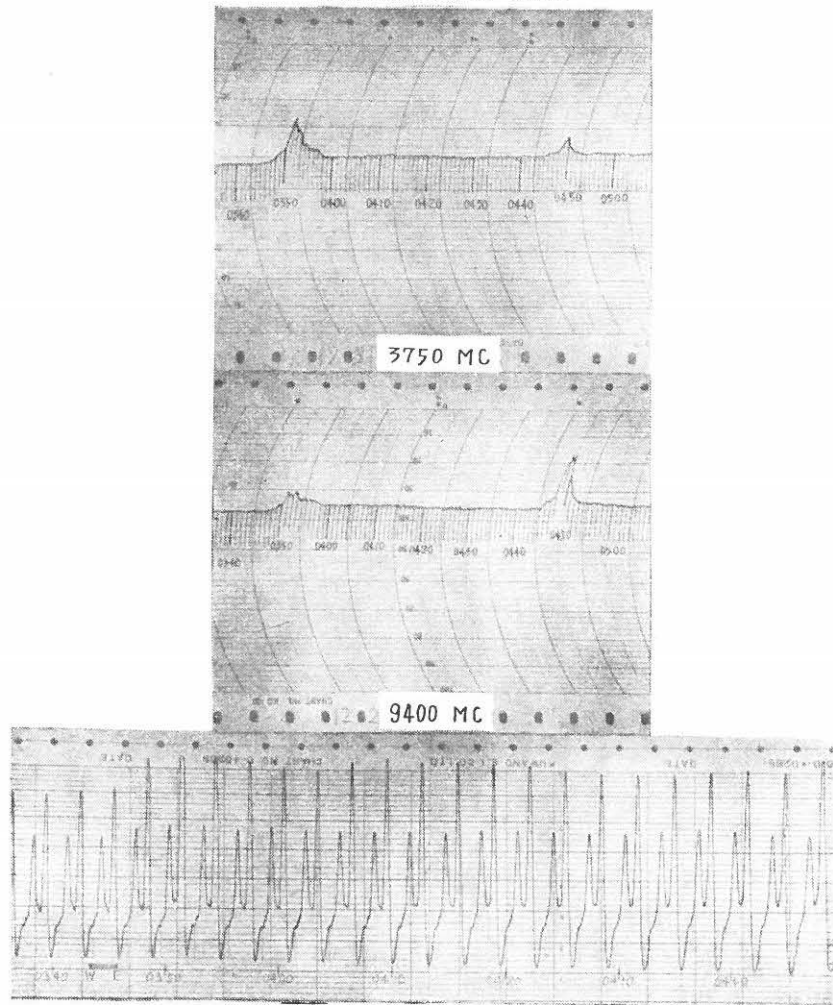


第3図 3750及び9400MCの強度測測装置並びに4000MC干渉計による同時記録例

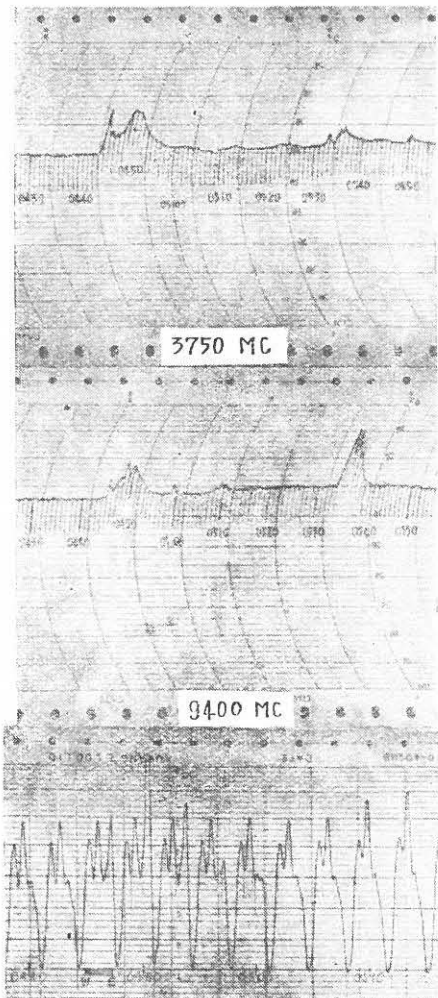
December 20, 1956



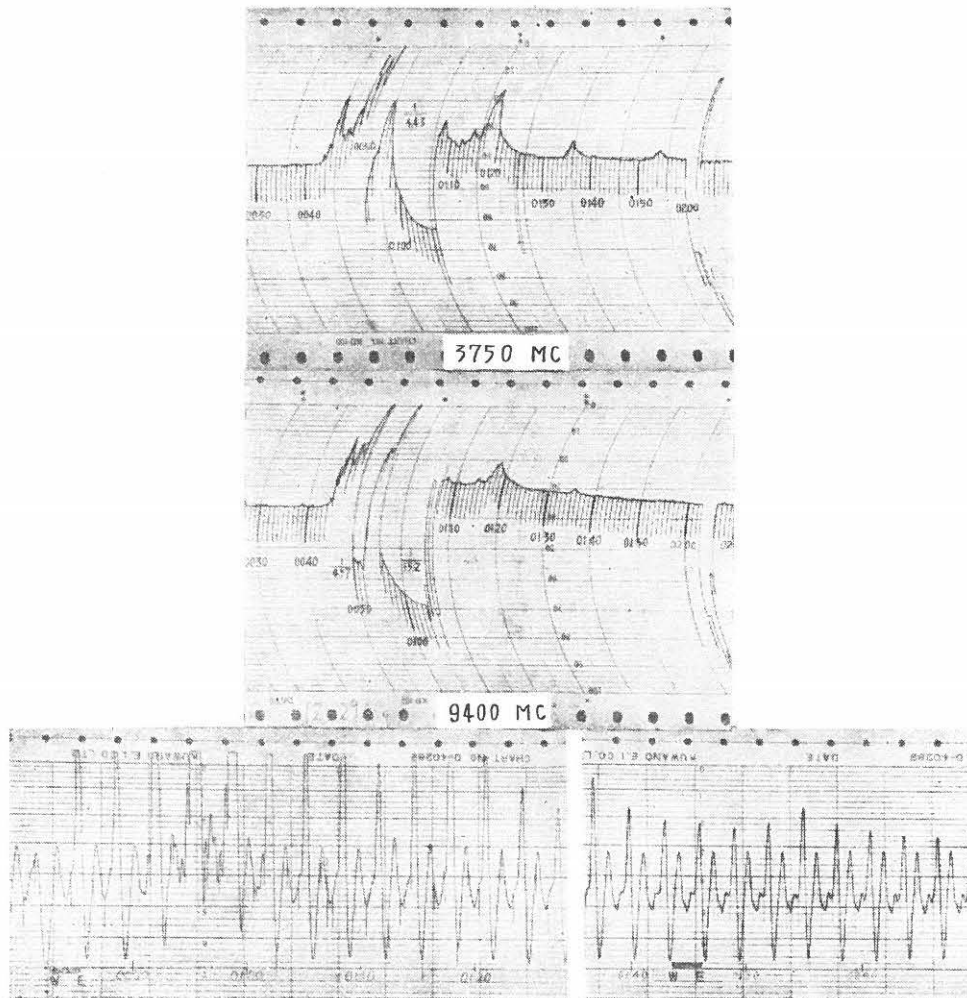
December 21, 1956



December 26, 1956



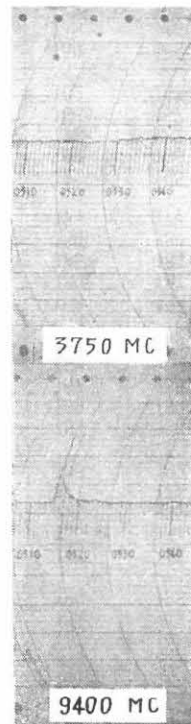
December 29, 1956



December 29 1956



November 13, 1956



第1表 3,750MC 定常輻射毎日の値

March 1956								April 1956							
Date	Daily Values	Hourly Values						Date	Daily Values	Hourly Values					
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600			0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600
1	165	166	165	162	162	165	166	1	150	153	151	150	151	150	150
2	161	157	160	162	162(j)	161	160	2	140	139	139	139	140	142	143
3	156	153	153	158	156	157	156	3	139	137	137	138	139	141	141
4	153	156	154	154	152	151	152	4	136	133	135	137	138	138	135
5	148	150	147	147	148	149	150	5	138	141	138	138	138	138	137
6	150	148	148	149	151	152	152	6	145	143	144	145	145	145	145
7	154	154	154	153	155	154	155	7	155	162	155	154	154	156	157
8	157	157	157	157	165	162	157	8	159	156	156	159	164	161	157
9	160	158	159	160	160	161	163	9	172	170	171	172	172	173	171
10	169	162	166	169	169	168	191	10	185	180	185	192	187	183	183
11	162	162	163	163	162	163	162	11	185	185	185	186	184	185	185
12	162	162	162	162	162	163	161(k)	12	190	189	189	190	191	191	188
13	165	—	—	—	164	165	170	13	185	188	187	185	185	185	186
14	176	174	174	177	176	178	177	14	194	191	192	194	194	197	198
15	187	171	173	182	189	197	187	15	195	192	194	195	196	197	195
16	178	179	178	178	178	177	176	16	195	195	198	195	194	191	192
17	173	180	171	171	171	174	174	17	187	182	182	187	187	187	188
18	179	175	175	180	179	179	180	18	186	188	185	184	183	189	188
19	182	184	182	182	182	182	182	19	178	177	180	180	178	178	177
20	174	171	170	174	183	177	174	20	174	174	174	174	178	178	177
21	170	168	170	170	170	170	169(l)	21	192	183	192	195	195	192	188
22	169	168	168	169	169	170	171	22	196	192	192	196	202	200	194
23	175	171	173	175	177	178	175	23	181	179	178	182	181	181	182
24	172	172	172(m)	172	176	177	172	24	168	165	166	167	169	185	182
25	164	167	164	164	163	164	164	25	162	161	162	163	162	161	158
26	162	162	162	163	159	158	157	26	154	149	150	158	156	154	152
27	154	154	154	154	156	158	158	27	148	148	148	148	148	149	149
28	165	165	165	165	165	165	165	28	138	137	138	139	140	138	138
29	166	164	165	167	166	166	167	29	134	133	134	135	134	134	134
30	170	164	164	169	173	171	170	30	147	146	147	148	148	147	147
31	157	162	161	158	157	154	155								

(j) 0325-0336, (k) 0535-0600, (l) 0536-0600, (m) 0136-0145,
No observations.

May 1956								June 1956							
Date	Daily Values	Hourly Values						Date	Daily Values	Hourly Values					
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600			0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600
1	153	150	153	153	153	156	163	1	162	162	165	164	162	161	162
2	167	165	168	168	167	166	166	2	159	160	160	159	157	157	156
3	165	166	166	165	164	165	165	3	171	203(p)	186	175	168	162	157
4	167	167	167	168	167	167	168	4	158	158	157	156	156	158	160
5	164	163	164	164	163	165	165	5	157	156	156	157	157	157	157
6	171	168	171	171	171	172	177	6	157	157	158	158	159	156	156
7	172	171	173	170	172	175	173	7	156	155	156	156	156	157	156
8	175	174	175	175	176	175	174	8	151	151	151	150	151	151	150
9	172	172	172	174	175	171	169	9	148	148	148	147	147	149	148
10	196	197	186	198	196	189	197	10	141	142	141	141	141	141	141
11	188	185	188	191	191	189	188	11	140	139	139	140	140	139	140
12	192	192	193	202	198	192	190(n)	12	140	140	139	140	142	142	142
13	191	190	190	191	192	192	191	13	142	142	142	142	143	143	143
14	187	181	185	185	189	194	196	14	146	144	145	146	146	149	149
15	177	175	177	177	177	175	172	15	164	155	165	164	164	164	163
16	164	164	164	164	166	166	164	16	170	169	166	165	170	170	170
17	165	165	166	167	165	163	164	17	164	163	163	164	164	164	165
18	174	183	177	174	172	171	173	18	165	164	164	165	165	166	166
19	176	179	177	176	175	176	182	19	177	175	176	177	177	178	177
20	174	172	173	175	175	174	173	20	185	185	184	184	186	191	190
21	186	182	181	181	186	186	185	21	195	198	191	186	192	195	195
22	174	163	163	163	163	163	162	22	196	199	202	195	195	190	196
23	185	160	160	159	159	156	158	23	190	191	193	190	190	188	187
24	163	149	150	154	154	161	159	24	185	185	182	184	187	185	184
25	165	162	164	165	165	165	163	25	180	181	180	180	180	180	176
26	170	169	170	171	170	169	171	26	160	160	159	162	159	164	157
27	177	177	177	177	180	182	185	27	142	141	141	141	142	142	142
28	175	171	172	174	175	176	176	28	141	140	141	141	141	141	140
29	191	191	192	191	191	189	187	29	156	156	155	155	155	157	156
30	185	184	185	186	192	187	184(o)	30	159	159	159	159	158	162	163
31	170	169	168	170	172	174	174								

(n) 0053-0116, (o) 0056-0129, No observations.

(p) 0000-0005, No observations.

July 1956								August 1956									
Date	Daily Values	Hourly Values						Date	Daily Values	Hourly Values							
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600			0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	0600 -0700	0700 -0800
1	162	162	162	162	162	161	165	1	185	185	186	185	185	185	185	185	185
2	161	161	161	161	161	160	164	2	186	185	186	186	186	187	191	188	187
3	161	160	159	160	161	164	166	3	181	185	181	180	180	181	182	181	181
4	161	161	161	159	159	161	—	4	190	194	190	190	190	190	189	190	192
5	155	155	152	153	156	172	166	5	194	198	198	198	194	193	194	194	194
6	159	158	159	158	159	162	162	6	196	197	196	194	194	196	196	194	194
7	166	167	167	165	164	165(q)	166	7	199	199	199	199	199	201	202	202	204
8	177	175	176	176	177	178	180	8	209	213	208	207	209	210	209	205	204
9	178	179	179	178	178	177	177	9	206	206	206	216	213	209	205	202	204
10	181	181	181	181	182	182	181	10	208	209	207	208	208	208	207	204	204
11	184	181	182	183	184	185	185	11	199	203	202	199	197	198	200	197	198
12	193	193	193	192	193	193	196	12	191	201	204	197	187	187	186	186	191
13	—	—	—	—	—	—	—	13	192	—	194	193	193	192	192	191	188
14	180	180	—	180	180	—	—	14	195	194	193	195	196	197	196	193	194
15	166	166	166	166	166	165	165	15	187	187	188	188	188	187	186	183	184
16	160	158	160	160	168	164	159	16	181	180	181	181	178	181	181	183	182(r)
17	157	156	155	156	157	157	157	17	176	175	175	180	179	176	177	175	174
18	148	147	147	148	148	149	148	18	185	189	194	187	184	185	185	183	184
19	150	150	150	150	149	150	150	19	201	196	200	201	201(s)	201	—	198	201
10	151	156	154	152	149	150	150	20	205	205	205	204	204	204	104	205	207
21	152	150	151	152	152	154	156	21	232	224	231	239	238	234	232	230	228
22	167	165	164	167	157	171	171	22	230	242	237	234	230	230	230	227	227
23	186	183	190	193	—	184	186	23	238	234	234	238	242	239	238	237	235
24	182	181	181	183	182	183	183	24	232	232	231	231	232	233	232	230	232
25	188	185	185	187	189	190	190	25	231	231	231	231	231	224	219	222	220
26	180	180	180	179	179	180	180	26	222	220	222	223	222	223	223	221	222
27	175	175	175	175	174	176	174	27	226	226	222	215	219	224	226	226	226
28	164	262	162	164	164	165	165	28	217	219	217	217	217	217	217	215	215
29	166	169	169	167	166	165	165	29	230	237	232	230	229	230	232	228	228
30	170	170	169	168	170	170	170	30	220	226	219	231	217	220	222	214	215
31	178	171	173	178	183	178	178	31	208	219	222	208	208	207	206	204	204

(q) 0400-0419, No observations.

(r) 0734-0745, (s) 313-0319, No observations.

September 1956										October 1956								
Date	Daily Values	Hourly Values								Date	Daily Values	Hourly Values						
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	0600 -0700	0700 -0800			0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	0600 -0700
1	193	192	192	193	193	193	193	191	190	1	192	192	192	190	193	192	192	192
2	187	191	190	187	187	187	187	189	189	2	208	204	207	207	208	212	213	111
3	181	187	183	181	179	180	181	180	181	3	220	221	220	219	223	222	220	219
4	185	185	182	182	182	186	186	186	186	4	226	226	227	228	225	224	222	226
5	188	187	186	187	189	187	189	189	191	5	232	232	232	231	—	228	232	232
6	217	220	213	210	215	217	217	217	216	6	220	218	223	223	220	220	221	216
7	211	226	219	211	205	211	214	215	211	7	219	213	213	215	228	231	221	215
8	222	226	222	223	219	222	223	219	217	8	216	216	216	216	220	219	219	216
9	217	220	207	212	217	215	216	220	232	9	223	230	228	223	223	226	220	220
10	227	228	223	220	225	228	228	227		10	219	222	221	220	219	219	219	215
11	238	237	237	241	243	239	238	237		11	216	216	216	214	217	217	217	212
12	245	246	245	241	243	245	246	252		12	210	212	210	209	210	210	209	207
13	265	271	265	265	277	272	263	261		13	205	208	206	204	205	205	205	202
14	259	257	259	252	253	260	261	259		14	199	204	200	199	199	197	195	193
15	245	245	245	243	247	247	246	243		15	182	182	180	182	183	183	181	177
16	231	233	230	231	234	231	231	227		16	170	171	168	170	171	171	170	168
17	219	221	219	217	217	219	223	223		17	167	165	166	169	168	169	167	165
18	216	216	216	213	214	217	217	217		18	168	167	168	168	168	169	168	166
19	205	209	206	205	205	205	205	205		19	179	180	179	175	175	179	179	174
20	195	197	196	195	195	195	194	196	195	20	192	192	193	190	188	190	194	193
21	190	196	193	191	187	190	190	190	190	21	193	139	193	193	193	192	194	194
22	186	187	186	186	186(t)	—	185	182	178	22	193	194	193	191	192	192	193	193
23	182	185	184	182	181	182	182	182	181	23	183	186	182	183	186	184	183	182
24	181	179	180	181	182	182	181	181	183	24	192	187	187	189	192	193	192	192
25	178	180	179	178	177	177	177	178	179	25	191	194	192	190	191	192	190	186
26	179	179	179	179	179	179	178	177	175	26	189	189	189	189	189	191	191	189
27	176	175	171	174	182(u)	176(v)	179	176	175	27	199	204	201	199	199	199	200	198
28	171	177	176	172	171	171	171	172	171	28	211	212	209	208	211	208	212	212
29	170	171	167	167	168	170	172	172	171	29	216	215	216	216	219	218	217	215
30	180	185	182	179	179	181	180	180	—	30	221	221	221	222	222	221	224	222
										31	228	228	226	226	230	229	230	224

(t) 0340-0400, (u) 0348-0400, (v) 0400-0411, No observations.

November 1956									December 1956								
Date	Daily Values	Hourly Values							Date	Daily Values	Hourly Values						
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	0600 -0700			0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	
1	231	231	235	230	232	230	231	828	1	212	211	212	211	219	212	207	
2	221	224	224	223	221	219	218	216	2	216	217	216	216	216	217	218	
3	220	222	221	220	220	220	219	—	3	234	235	237	233	233	234	234	
4	228	228	227	228	—	—	231	231	4	246	241	253	251	247	245	235	
5	243	249	243	242	242	243	248	245	5	258	257	257	257	258	260	259	
6	262	260	261	262	276	275	268	260	6	264	261	265	264	264	262	269	
7	290	289	287	286	291	291	290	294	7	246	250	252	249	244	241	241	
8	299	295	295	299	299	299	305	303	8	251	253	249	258	262	250	241	
9	—	—	—	—	—	—	—	—	9	250	252	258	253	249	246	246	
10	300	300	297	299	297	305	302	—	10	257	256	257	262	257	257	255	
11	283	291	286	282	283	282	281	—	11	266	275	272	266	366	262	262	
12	291	285	294	301	291	291	290	—	12	262	261	264	263	262	260	253	
13	284	276	274	286	284	290	283	—	13	244	246	245	245	244	243	239	
14	272	262	262	272	272	268	277	—	14	247	253	253	247	244	246	249	
15	263	263	265	265	260	263	261	—	15	247	246	246	247	249	243	259	
16	253	251	252	257	255	253	253	—	16	252	248	251	251	252	252	253(x)	
17	264	260	260	264	257	276	282	—	17	260	242	261	281	261	239	260	
18	253	255	248	247	249	253	255	—	18	247	252	253	250	243	244	234	
19	229	229	230	235	228	227	226	—	19	238	237	240	240	238	238	236	
20	226	223	226	226	227	235	235	—	20	261	286	261	277	258	247	265	
21	229	231	230	230	228	226	228	—	21	243	237	240	243	242	259	258	
22	217	222(w)	219	217	217	219	215	—	22	248	244	248	248	247	247	249	
23	202	208	206	205	201	202	201	—	23	272	254	256	276	272	279	271	
24	193	192	194	197	195	193	189	—	24	243	248	246	243	242	242	240	
25	202	201	202	204	202	201	199	—	25	250	250	246	246	250	252	252	
26	204	204	209	208	203	204	201	—	26	262	262	262	262	258	254	269	
27	209	207	210	209	209	204	200	—	27	255	246	251	257	257	253	256	
28	204	204	207	206	202	201	200	—	28	249	245	249	249	247	239	249	
29	210	210	211	209	213	210	208	—	29	249	245	257	249	249	243	235	
30	210	210	211	209	211	210	211	—	30	232	230	227	238	237	232	226	
									31	236	236	237	238	234	230	234	

(w) 0000-0015, No observations.

(x) 0531-0537, No observations.

January 1957								
Date	Daily Values	Hourly Values						
		0000 -0100	0100 -0200	0200 -0300	0300 -0400	0400 -0500	0500 -0600	0600 -0700
1	246	248	244	243	246	246	245	
2	256	256	259	264	260	255	253	
3	307	283	288	318	307	307	302	
4	303	326	318	309	294	277	273	
5	286	274	297	294	286	275	275	
6	284	285	286	284	279	275	280	
7	259	259	264	258	254	271	259	
8	250	255	248	250	247	253	250	
9	234	235	234	234	232	232	231	
10	212	212	220	219	215	211	208	
11	204	204	203	204	204	207	202	
12	212	207	212	213	212	216	217(a)	
13	208	210	208	208	205	204	204	
14	196	197	196	196	196	196	191	
15	196	196	197	202	194	193	190	
16	191	196	196(b)	193(c)	191	190	186	
17	189	189	191	189	186	185	183	
18	197	196	197	197	198	195	191	198
19	209	205	207	206	209	212	226	215
20	210	210	209	212	211	210	210	207
21	224	221	224	224	225	227	223	219
22	225	221	222	225	220	231	251	245
23	252	258	252	254	254	252	245	
24	247	250	247	253	263	243	236	246
25	233	231	233	238	244	232	229	
26	242	236	234	239	249	252	247	242
27	259	253	258	259	263	261	256	251
28	216	216	217	216	217	214	215	217
29	195	194	195	197	197	197	194	189
30	195	194	194	194	193	190	186	183
31	192	195	191	192	190	220	207	190

(a) 0533-0539, (b) 0314-0200, (c) 0200-0211, No observations.

Time : U.T.

Units are 10^{-22} watts metre $^{-2}$ (cycle/sec.) $^{-1}$ -2 polarizations.

第2表 3750MC 異常輻射

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 March						1956 April					
1	2336-15 s	4m30 s	C D	2.3	2336-40 s	14	0212-00 s	8m00 s	C D	1st peak 6.2	0212-10 s
7	2343-40 s	1m20 s	S D	1.2	2344-20 s					2nd peak 2.7	0212-45 s
8	0320-15 s	29m30 s	C D	1st peak 42.1	0322-15 s	19	0047-30 s	2m00 s	C D	1st peak 6.1	0047-40 s
				2nd peak 4.0	0341-40 s					2nd peak 7.4	0047-50 s
10	0447-15 s	46m	C D	1st peak 69.6	0448-00 s					3rd peak 5.3	0048-30 s
				2nd peak 87.0	0509-20 s	22	0501-35 s	11m	C D	1.2	0501-50 s
				3rd peak 100.0	0518-00 s	26	0039-10 s	30 s	S D	1.0	0039-25 s
	1% riss and fall, 0442-0602.					26	0153-30 s	15m	C D	2.5	0156-50 s
11	0149-30 s	10m30 s	C D	1.9	0158-45 s	26	2326-30 s	6m00 s	C D	1.5	2328-50 s
12	0041-30 s	5m30 s	S D	1.2	0042-20 s	May					
14	0155-30 s	7m	S D	1.2	0155-50 s	1	0218-15 s	1m15 s	S D	1.0	0218-35 s
15	0308-20 s	3m	S D	1.0	0309-30 s	1	0519-40 s	1m00 s	S D	1.6	0519-50 s
15	0320-30 s	14m	C D	2.3	0324-00 s	1	0530-10 s	9m30 s	C D	1st peak 3.1	0531-30 s
15	0412-15 s	5m30 s	C D	1.1	0413-30 s					2nd peak 3.1	0535-40 s
17	0002-00 s	14m	C D	1st peak 43.3	0007-00 s	2	0151-30 s	2m30 s	S D	1.1	0152-20 s
				2nd peak 27.3	0010-00 s	8	0430-15 s	1m15 s	S D	4.5	0430-35 s
17	0221-15 s	2m00 s	C D	7.1	0222-05 s	10	0006-00 s	11m	C D	2.8	0008-30 s
19	0246-15 s	1m00 s	S D	9.0	0246-30 s	10	0213-00 s	4m00 s	C D	7.3	0215-20 s
20	0030-45 s	5m30 s	C D		Doubtful	10	0226-25 s	2m00 s	S D	3.5	0227-15 s
				1st peak 3.2	0031-50 s	10	0401-00 s	4m00 s	S D	1.4	0402-15 s
				2nd peak 3.6	0035-40 s	12	0413-00 s	1m00 s	S D	1.4	0413-25 s
20	0226-00 s	45m	S D	5.7	0228-45 s	12	0608-00 s	15m	C D	2.1	0616-45 s
29	0559-00 s	17m	C D	1.1	0601-30 s						
30	0316-00 s	2m	S D	1.4	0316-20 s						

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum		
				Intensity	Time					Intensity	Time	
1956						1956						
May						June						
14	0437-05 s	50 s	C D	12.9	0437-30 s	14	0352-30 s	3m30 s	S D	1.2	0353-30 s	
15	0059-45 s	1m00 s	S D	2.0	0100-20 s	15	0332-45 s	1m00 s	S D	1.7	0333-00 s	
18	0130-00 s	1m15 s	S D	39.3	0130-20 s	16	0415-30 s	30 s	S D	1.5	0415-40 s	
	1% rise and fall, 0129-15 s -0137-00 s .					19	0410-40 s	40 s	S D	1.9	0411-05 s	
19	0004-00 s	2m30 s	C D	1.7	0006-20 s	21	0330-15 s	3m30 s	C D	1.2	0332-45 s	
20	0054-15 s	30 s	S D	3.7	0054-40 s	22	0254-30 s	2m30 s	S D	1.8	0255-30 s	
21	0304-25 s	10 s	S D	9.0	0304-30 s	24	0229-30 s	3m30 s	S D	1.5	0230-35 s	
21	0316-25 s	2m00 s	C D	3.5	0317-50 s	26	0355-00 s	8m00 s	S D	1.0	0357-00 s	
24	0410-45 s	3m00 s	S D	1.0	0411-45 s							
26	0501-00 s	9m00 s	C D	1.2	0502-05 s	July						
29	0524-00 s	2m00 s	S D	3.6	0524-45 s	5	0418-30 s	21m00 s	S D	4.2	0423-30 s	
30	0234-00 s	7m15 s	C D			6	0244-20 s	3m00 s	S D	12.1	0245-55 s	
	1% rise and fall, 0232-30 s -0248-00 s .					6	2354-35 s	40 s	S D	2.3	2354-50 s	
30	0324-30 s	1m00 s	S D	1.7	0324-55 s	8	0557-00 s	3m00 s	C D	1.3	0557-20 s	
31	0626-30 s	3m30 s	C D	2.3	0627-00 s	13	2333-00 s	2m30 s	C D	1.4	2334-00 s	
June						16	0127-05 s	1m00 s	S D	1.0	0127-30 s	
3	0007-30 s	7m00 s	C D			19	0029-20 s	3m00 s	C D	1.0	0031-20 s	
						20	0558-15 s	1m30 s	S D	1.0	0559-05 s	
				1st peak	4.4	0008-20 s	21	2339-00 s	2m00 s	C D	1.4	2339-15 s
				2nd peak	2.8	0011-20 s	22	0543-05 s	30 s	S D	1.5	0543-25 s
3	0358-00 s	1m00 s	S D	1.1	0358-25 s	25	0020-35 s	40 s	C D	4.9	0020-45 s	
6	0140-30 s	30 s	S D	1.5	0140-50 s	25	0311-00 s	2m45 s	C D	2.8	0313-20 s	
6	0544-00 s	11m00 s	C D	2.0	0545-50 s	25	0350-15 s	5m00 s	C D	1.0	0353-05 s	
6	2313-15 s	3m30 s	C D	1.9	2313-40 s	25	0527-45 s	2m15 s	S D	2.0	0528-15 s	

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956						1956					
July						August					
25	0541-40 s	2m50 s	S D	4.3	0542-55 s	19	2337-20 s	45 s	S D	1.6	2337-30 s
26	0023-45 s	20 s	S D	1.7	0023-55 s	21	0033-20 s	1m40 s	S D	1.9	0034-10 s
26	0042-00 s	2m00 s	S D	2.8	0042-40 s	21	0144-00 s	2m00 s	C D	1.5	0144-50 s
26	0627-45 s	3m00 s	S D	1.5	0628-00 s	22	2333-00 s	6m00 s	S D	1.2	2334-45 s
29	0215-45 s	15 s	S D	1.9	0215-55 s	23	0210-20 s	1m40 s	S D	43.7	0211-00 s
August						1% rise and fall, 0210-00 s -0215-00 s .					
1	0413-55 s	15 s	S D	1.2	0414-05 s	23	0326-30 s	8m00 s	C D	2.1	0326-45 s
2	0441-00 s	3m00 s	S D	1.0	0442-20 s	23	2327-00 s	2m00 s	S D	7.3	2328-00 s
5	0530-50 s	1m00 s	S D	1.0	0531-25 s	25	0146-00 s	2m00 s	S D	13.0	0146-15 s
7	0718-45 s	2m15 s	S D	4.0	0719-05 s	25	0314-30 s	4m30 s	C D	3.1	0315-20 s
8	0359-20 s	20 s	S D	1.1	0359-30 s	25	0408-00 s	5m00 s	S D	1.0	0410-00 s
9	0140-05 s	5m00 s	C D			25	0546-35 s	1m20 s	S D	1.7	0546-50 s
				1st peak	21.3 0141-00 s	25	0607-30 s	7m30 s	S D	2.0	0608-30 s
				2nd peak	18.8 0142-30 s	26	0223-00 s	5m00 s	S D	5.5	0224-15 s
	1% rise and fall, 0139-00 s -0155-00 s .					27	0011-00 s	2m00 s	S D	1.7	0011-45 s
9	0550-00 s	6m00 s	C D	3.5	0550-55 s	27	0424-30 s	3m30 s	S D	2.9	0425-30 s
11	0002-00 s	30 s	S D	1.3	0002-10 s	27	0510-30 s	1m30 s	C D	1.7	0511-50 s
11	0354-40 s	1m00 s	S D	2.9	0355-05 s	27	0707-30 s	3m30 s	S D	1.0	0708-30 s
17	0731-00 s	3m00 s	S D	2.3	0732-10 s	28	0440-15 s	2m15 s	S D	4.2	0441-10 s
18	0148-00 s	2m40 s	C D	1.3	0149-00 s	29	0011-30 s	6m00 s	S D	4.0	0012-00 s
19	0115-00 s	8m00 s	C D			29	0120-45 s	1m30 s	S D	1.1	0121-30 s
				1st peak	1.9 0116-50 s	29	0459-30 s	7m30 s	C D	2.0	0504-00 s
				2nd peak	2.6 0118-05 s	30	0155-00 s	4m30 s	C D ?	>7.2	? off-scale.
				3rd peak	2.9 0122-00 s						

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum			
				Intensity	Time					Intensity	Time		
1956						1956							
August						September							
30	0208-50 s	7m00 s	C D			12	0513-30 s	45 s	S D	2.3	0514-00 s		
				1st peak	3.1	0209-00 s							
				2nd peak	14.1	0212-25 s							
				3rd peak	12.3	0214-20 s	13	0158-00 s	6m00 s	C D	1.7	0203-00 s	
30	0229-30 s	1m30 s	S D		1.4	0230-00 s	13	0408-30 s	2m00 s	S D	3.8	0409-00 s	
30	0659-40 s	1m00 s	S D		2.2	0659-50 s	14	0128-00 s	8m00 s	C D			
31	0009-45 s	1m45 s	C D		1.4	0011-00 s					1st peak	35.1	0128-45 s
											2nd peak	13.9	0133-00 s
September													
							1% rise and fall, 0127-00 s-0210.						
1	0223-30 s	2m30 s	S D		1.0	0224-30 s	14	0554-50 s	45 s	S D	2.9	0555-00 s	
4	0130-15 s	1m00 s	S D		6.4	0130-45 s	26	0522-00 s	1m00 s	S D	2.0	0522-30 s	
4	0710-55 s	1m00 s	C D				26	0524-00 s	2m00 s	S D	1.7	0524-45 s	
				1st peak	2.8	0711-05 s	27	0414-55 s	45 s	S D	7.8	0415-05 s	
				2nd peak	5.0	0711-45 s	27	0453-30 s	2m30 s	S D	1.6	0454-30 s	
6	0032-00 s	2m30 s	S D		9.5	0032-30 s	October						
6	0418-15 s	45 s	C D		5.5	0418-35 s	1	0232-00 s	2m20 s	S D	3.7	0232-50 s	
6	0501-00 s	3m20 s	S D		4.0	0502-00 s	1	0535-00 s	9m	C D	1.7	0537-00 s	
6	0513-40 s	1m20 s	S D		2.8	0514-20 s	2	0117-45 s	2m45 s	C D			
6	0518-30 s	4m00 s	S D		6.3	0520-00 s					1st peak	1.2	0118-00 s
8	0204-00 s	2m00 s	S D		6.4	0204-15 s					2nd peak	2.5	0119-50 s
8	0601-00 s	1m45 s	S D		5.0	0601-30 s	6	0310-55 s	2m30 s	S D	3.5	0312-55 s	
9	0118-15 s	2m15 s	S D		3.6	0119-30 s	6	0732-30 s	5m30 s	C D	2.7	0733-20s(A)	
10	0037-15 s	4m45 s	S D		2.9	0037-45 s	7	0155-45 s	4m30 s	S D	1.0	0156-30 s	
10	0418-30 s	3m30 s	S D		1.3	0419-30 s	7	0331-30 s	30 s	S D	1.2	0331-40 s	
10	0515-00 s	1m00 s	S D		1.3	0515-05 s	7	0350-20 s	2m15 s	C D	3.2	0350-45 s	
11	0306-30 s	4m30 s	C D		5.1	0309-00 s	7	0446-15 s	1m45 s	S D	8.0	0446-40 s	

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum		
				Intensity	Time					Intensity	Time	
1956						1956						
October						November						
8 9	2353-00 s	23m	C D	1.8	0001-20 s	8	0623-35 s	20 s	S D	1.7	0623-45 s	
9	0146-45 s	2m15 s	C D			12	0532-15 s	1m45 s	S D	1.7	0532-30 s	
				1st peak	1.3 0147-00 s	13	0151-40 s	30 s	S D	1.1	0152-00 s	
				2nd peak	2.2 0148-00 s	13	0200-30 s	3m30 s	C D	6.0	0201-20 s	
9	0307-30 s	45 s	S D	1.0	0307-40 s	13	0210-00 s	1m30 s	S D	2.0	0210-20 s	
9	0547-30 s	1m00 s	S D	1.0	0548-00 s	14	0243-00 s	5m00 s	S D	1.7	0244-55 s	
12	0703-15 s	1m30 s	S D	1.7	0703-50 s	14	0501-10 s	4m45 s	C D			
18	0450-30 s	2m15 s	C D	1.1	0450-50 s					1st peak	18.1 0502-45 s	
19	0127-00 s	7m30 s	C D							2nd peak	12.4 0504-10 s	
				1st peak	2.2 0129-20 s	1% rise and fall, 0457-0513.						
				2nd peak	1.3 0133-05 s	14	2315-15 s	4m30 s	S D	4.3	2317-20 s	
19	0707	11m	S D	7.0	0711 (A)	17	0139-20 s	2m00 s	S D	1.1	0140-15 s	
21	2345-15 s	45 s	S D	2.4	2347-25 s	17	0348-00 s	3m00 s	S D	1.4	0348-10 s	
22	0710	>17m	C D	11.4	0715-30s(B)	17	0414-30 s	55m	C D			
28	0533-00 s	11m	C D	2.3	0539-30 s					1st peak	3.0 0416-00 s	
30	0451-20 s	2m20 s	S D	1.0	0451-50 s					2nd peak	11.7 0424-00 s	
November										3rd peak	8.8 0439-30 s	
4	0630-00 s	1m30 s	S D	1.8	0631-50 s					4th peak	4.5 0447-30 s	
7	0659-15 s	3m30 s	S D	3.6	0659-30 s					5th peak	5.4 0450-10 s	
8	0241-05 s	4m45 s	C D							6th peak	5.2 0455-25 s	
				1st peak	2.7 0241-15 s					7th peak	5.3 0458-00 s	
				2nd peak	7.4 0241-40 s	18	0021-00 s	7m30 s	C D			
				3rd peak	1.8 0242-50 s					1st peak	1.1 0023-20 s	
				5th peak	3.3 0245-15 s					2nd peak	1.6 0027-15 s	

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 November						1956 November					
18	0529-30 s	2m30 s	S D	2.3	0529-55 s	30	0102-40 s	1m25 s	C D		
19	0009-40 s	2m40 s	S D	1.9	0010-20 s					1st peak 3.7	0102-50 s
19	0134-30 s	10m	S D	1.2	0137-50 s					2nd peak 1.4	0103-50 s
20	0131-00 s	19m	C D	2.8	0138-20 s	30	0543-15 s	4m00 s	C D	7.5	0543-20 s
20	0437-00 s	21m	C D			December					
				1st peak 1.6	0440-25 s	1	0144-45 s	9m30 s	C D		
				2nd peak 1.6	0451-20 s					1st peak 6.2	0145-35 s
21	0008-10 s	4m15 s	S D	2.4	0009-00 s					2nd peak 5.4	0148-50 s
21	0043-35 s	1m15 s	S D	1.5	0044-10 s					3rd peak 5.3	0149-10 s
21	2329-30 s	3m30 s	S D	2.0	2330-45 s					4th peak 3.2	0150-00 s
21	2344-45 s	5m15 s	C D							5th peak 3.7	0150-55 s
				1st peak 6.2	2345-10 s	7	0506-00 s	8m20 s	C D		
				2nd peak 5.0	2346-15 s					1st peak 2.8	0508-00 s
				3rd peak 5.2	2348-25 s	8	0210-20 s	9m40 s	C D		
				4th peak 4.4	2349-05 s	8	0234-10 s	36m	C D	1.8	0211-20 s
22	0546-45 s	1m45 s	S D	4.0	0547-00 s					1st peak 3.4	0237-10 s
24	0305-45 s	2m15 s	C D	1.8	0307-00 s					2nd peak 3.2	0301-15 s
24	0608-45 s	1m00 s	S D	1.8	0609-00 s	9	2336-00 s	2m30 s	C D		
26	0559-15 s	45 s	S D	1.2	0559-35 s					1st peak 4.5	2336-15 s
27	0241-30 s	5m30 s	S D	2.5	0242-25 s					2nd peak 4.8	2337-00 s
28	0526-20 s	40 s	S D	1.1	0526-40 s	10	0406-30 s	50 s	C D		
29	0445-00 s	1m45 s	C D	1.2	0445-25 s					1st peak 8.5	0406-45 s
29	0506-05 s	40 s	S D	1.0	0506-30 s					2nd peak 6.2	0407-00 s
						11	0603-00 s	5m00 s	S D	2.9	0603-40 s

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 December						1956 December					
11	2315-15 s	3m30 s	S D	2.9	2315-45 s	21	0116-15 s	4m45 s	S D	2.0	0118-15 s
14	0025-00 s	45 s	S D	1.3	0025-20 s	21	0349-00 s	7m00 s	S D	8.3	0350-55 s
14	0129-00 s	1m00 s	S D	3.3	0129-25 s	21	0448-00 s	3m00 s	S D	3.4	0449-40 s
15	0524-55 s	2m40 s	S D	38.4	0525-55 s	21	0515-40 s	2m20 s	S D	1.8	0516-15 s
17	0124-00 s	7m00 s	S D	8.6	0126-00 s	25	0044-00 s	9m00 s	C D	1st peak 2.5	0044-40 s
17	0209-15 s	10m00 s	S D	6.8	0212-15 s					2nd peak 1.7	0050-35 s
17	0451-30 s	9m00 s	C D			25	0620-00 s	12m	S D	7.4	0622-55s(A)
				1st peak 3.4	0452-20 s	26	0444-40 s	13m20 s	C D	1st peak 8.9	0445-30 s
				2nd peak 23.6	0458-10 s					2nd peak 8.5	0450-20 s
18	0409-00 s	5m00 s	C D	4.5	0409-10 s	26	0532-00 s	8m00 s	C D	1st peak 2.3	0532-45 s
18	0448-40 s	30 s	S D	1.5	0448-55 s					2nd peak 2.8	0535-00 s
19	0607-45 s	3m45 s	S D	39.0	0609-00 s					3rd peak 3.4	0535-45 s
20	0019-15 s	6m45 s	C D	3.4	0019-45 s	26	0549-30 s	4m30 s	S D	1.6	0550-10 s
20	0135-45 s	2m20 s	S D	2.6	0136-15 s	27	0622-00 s	10m30 s	C D	7.4	0625-40 (A)
20	0210-00 s	12m	S D	3.9	0212-35 s	28	0245-00 s	3m30 s	S D	2.3	0246-45 s
20	0444-00 s	8m30 s	C D			29	0044-20 s	37m40 s	C D	1st peak 13.3	0045-55 s
				1st peak 13.4	0444-25 s					2nd peak 21.5	0050-15 s
				2nd peak 75.6	0450-25 s					3rd peak 20.9	0051-20 s
20	0512-00 s	5m45 s	C D							4th peak 111.7	0056-00 s
				1st peak 6.3	0512-45 s					5th reak 7.8	0108-00 s
				2nd peak 4.5	0516-20 s					6th peak 13.8	0118-20 s
					(A)						
20	0640-00 s	6m	C D	1st peak 5.6	0640-30 s						
				2nd peak 5.2	0641-40 s						
				3rd peak 13.8	0644-05 s						

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956						1957					
December						January					
29	0134-40 s	2m40 s	S D	3.4	0135-40 s	7	0058-00 s	9m00 s	S D	2.0	0102-15 s
29	0153-00 s	2m30 s	S D	1.7	0154-20 s	7	0314-30 s	1m30 s	S D	2.3	0314-50 s
29	0313-15 s	2m30 s	S D	8.7	0314-25 s	7	0354-40 s	6m20 s	S D	2.7	0357-15 s
29	2335-30 s	30 s	S D	2.4	2335-40 s	7	0409-15 s	5m00 s	C D		
1957										1st peak	9.6 0409-35 s
January										2nd peak	7.4 0410-00 s
1	0424-30 s	2m30 s	S D	1.6	0425-20 s					3rd peak	6.5 0412-00 s
2	0137-00 s	6m00 s	C D	4.2	0142-05 s	7	0650-00 s	5m	C D	5.0	0651-00 s(A)
2	0219-30 s	2m00 s	S D	2.3	0220-20 s	8	0151-30 s	1m00 s	S D	3.9	0151-40 s
2	0416-00 s	1m20 s	C D	2.7	0416-15 s	8	2307-00 s	4m00 s	C D	6.4	2307-50 s
3	0140-30 s	16m	C D	9.2	0144-55 s	8	2319-00 s	3m30 s	S D	13.2	2320-30 s
3	0334-45 s	2m45 s	C D			9	0144-40 s	1m10 s	S D	4.6	0144-50 s
				1st peak	3.4 0335-10 s	9	0248-05 s	1m00 s	S D	2.9	0248-25 s
				2nd peak	3.9 0336-10 s	9	0432-00 s	1m45 s	S D	11.9	0432-20 s
4	0122-30 s	5m30 s	S D	7.1	0125-15 s	10	0104-40 s	3m20 s	S D	6.1	0105-30 s
5	0053-40 s	23m	C D			11	0542-30 s	4m30 s	S D	2.3	0544-35 s
				1st peak	18.6 0054-45 s	11	2335-40 s	4m20 s	C D	4.0	2336-40 s
				2nd peak	22.8 0056-25 s	17	0512-00 s	4m00 s	S D	2.3	0512-35 s
				3rd peak	5.5 0106-15 s	18	0233-00 s	9m00 s	S D	1.7	0236-20 s
5	0137-40 s	3m20 s	S D	2.8	0138-10 s	19	0103-00 s	1m30 s	S D	1.2	0103-30 s
5	0151-40 s	9m20 s	C D	15.8	0153-10 s	19	0223-00 s	1m15 s	S D	2.9	0223-40 s
6	0538-00 s	18m	C D			21	0706-00 s	5m30 s	C D		
				1st peak	1.8 0538-25 s					1st peak	6.2 0707-00 s
				2nd peak	2.4 0546-30 s					2nd peak	6.2 0708-00 s

Date	Starting time	Duration	Type	Maximum	
				Intensity	Time
1957					
January					
22	0243-00 s	8m30 s	C D	2.1	0247-45 s
23	0144-45 s	1m30 s	C D	9.8	0145-00 s
23	0606-45 s	1m15 s	S D	4.4	0607-05 s
24	0249-00 s	7m30 s	C D		
				1st peak 11.3	0252-00 s
				2nd peak 11.4	0254-05 s
24	0559-00 s	1m40 s	C D	2.7	0600-20 s
26	0439-00 s	5m00 s	S D	1.7	0440-50 s
26	0722-45 s	5m00 s	S D	2.8	0723-15s(A)
28	0411-00 s	4m00 s	C D	4.7	0412-55 s
28	0554-00 s	10m00 s	C D	3.6	0556-35 s
28	0644-30 s	4m30 s	S D	1.3	0647-00 s

(A) : near sunset and less accurate.

(B) : sunset.

Time : U.T.

Units are 10^{-21} watts metre⁻² (cycle/sec.)⁻¹ -2 polarizations.

第3表 9,400MC 定常輻射毎日の値

May 1956				June 1956			
Date	Daily Values	3-Hourly Values		Date	Daily Values	3-Hourly Values	
		0000-0300	0300-0600			0000-0300	0300-0600
1	283	283	284	1	280	281	279
2	—	—	—	2	281(x)	284(x)(e)	280(x)
3	284	283(a)	286(b)	3	298	306(f)	290
4	283	283	283	4	287	289	286
5	281	281	281	5	283	281	285
6	283	283	283	6	292	294(g)	290
7	281	281	283	7	287	286	288(x)
8	289	288	289	8	281	282	281
9	288	287	288	9	275	276	275
10	301	301	302	10	273	273	273
11	295	294	295	11	272	271	273
12	306	303(c)	309	12	278(x)	274(x)	281(x)
13	317	316	319	13	279	278	279
14	306	306	307	14	279	278	280
15	—	—	—	15	287	286	288
16	286	287	286	16	295	—	295
17	285	286	284	17	287(x)	288(x)	286(x)
18	289	292	289	18	282	282	281
19	289	289	289	19	288	288	288
20	288	290	288	20	295	295	295
21	295	295	296	21	312	303	312
22	282	282	282	22	312	314	309
23	279	280	278	23	301	301	301
24	281	278	283	24	—	—	—
25	284	284	284	25	299	299	298
26	289	289	288	26	286	288	286
27	—	—	—	27	276	275	277
28	288	287	289	28	274	273	275
29	303	303	302	29	282	282	282
30	301	301(d)	305	30	287(x)	286(x)	289(x)
31	282	281	282				

(a) 0000-0015, (b) 0422-0449, (c) 0053-0116, (d) 0056-0129, No observations.

(e) 0000-0013, (f) 0000-0100, (g) 0000-0140, No observations.

July 1956				August 1956			
Date	Daily Values	3-Hourly Values		Date	Daily Values	3-Hourly Values	
		0000-0300	0300-0600			0000-0300	0300-0600
1	283(x)	288(x)	280(x)	1	305	301	305
2	277	275	279	2	306	304	312
3	279	278	280	3	299	298	299
4	282(x)	281(x)	282(x)	4	300	301	299
5	281	281	287	5	305	304(x)	305
6	281	281	282	6	304	303	305
7	288	288	288	7	310	309	310
8	298	297	301	8	316	315	317
9	299	300	298(x)	9	318	318	319
10	297	297	297	10	312	311	312
11	295	293	297	11	305	304	306
12	296	295	297	12	305	303	306
13	—	—	—	13	301	301(x)	301
14	288	287	292	14	306	306	308
15	288	289	288	15	304	303	304
16	290	289(h)	291	16	297	297	298
17	286	284	288	17	298	298	299(x)
18	278	278	278	18	306	310	306
19	281	280	281	19	310	310	310(j)(k)
20	280(x)	281(x)	279(x)	20	309	309	309
21	285	285	286	21	332	330	332
22	300	299	301	22	329	336	329
23	323(x)	320(x)	329(x)(i)	23	331	328	332
24	313	314	311	24	326	326(x)	326
25	313	311	315	25	326	326	323
26	303	302	303	26	333	329	333
27	298	298	298	27	337	337	331
28	291	290	292	28	323	323	325(x)
29	296	299	296	29	332	332	332
30	298	298	299	30	329(x)	329(x)	
31	313	305	313	31	314	319	310

(h) 0000-0130, (i) 0300-0425, No observations.

(j) 0313-0319, (k) 0534-0559, No observations.

September 1956				October 1956			
Date	Daily Values	3-Hourly Values		Date	Daily Values	3-Hourly Values	
		0000-0300	0300-0600			0000-0300	0300-0600
1	310(x)	310(x)	310(x)	1	309(x)	311(x)	309(x)
2	304	306	301	2	322	321	324
3	300	300	300	3	331	330	332
4	306	306	306	4	344	349	344
5	309	309	309	5	354	355	351(m)
6	340	343	340	6	333	332	337
7	350	356	345	7	326	326	326
8	347	354	347	8	321	321	323
9	336	336	334	9	325	315	326
10	343	343	343	10	323	323	324
11	350(x)	350(x)	350(x)	11	320	321	317(x)
12	340	350	340	12	323(x)	326(x)	319(x)
13	358(x)	358(x)	354(x)	13	320(x)	319(x)	320(x)
14	350	350(x)	350	14	320	323	320
15	337	337	337	15	309	309(x)	309
16	340(x)	345(x)	337(x)	16	301	301	301
17	331	329	332	17	297	297	297
18	326	326	326	18	295(x)	295(x)	295(x)
19	320	320	320	19	301	303	300
20	310	310	310	20	312	312	309
21	310	315	310	21	306	307	306
22	311	310	313(x)	22	312	311	312
23	314	318	314	23	304(x)	304(x)	305(x)
24	314	314	314	24	306(x)	306(x)	307(x)
25	302	304	302	25	309	311	307
26	303(x)	305(x)	303(x)	26	306	305	310
27	297		297(i)	27	316	316	316
28	295	298	294	28	328	327	331
29	294	294(x)	294	29	333	334	329
30	297	301	297	30	330	329	332
				31	333	334(x)	332

(i) 0348-0415, No observations.

(m) 0320-0359, No observations.

November 1956				December 1956			
Date	Daily Values	3-Hourly Values		Date	Daily Values	3-Hourly Values	
		0000-0300	0300-0600			0000-0300	0300-0600
1	337	338	337	1	334	333	334
2	334	335	334	2	337	337	337
3	334	334	331	3	352	354	351
4	342	342	343	4	370	370	370(x)
5	353	353	351	5	372	370	374
6	370	367(x)	374	6	381	381	380
7	373	381	371	7	369	371	363
8	374	374	377	8	369	369	360
9	—	—	—	9	368	370(x)	364
10	368	368	374	10	375	374	375
11	358	364	357	11	380	382	378
12	367	373	358	12	368	371	362
13	356	356	361	13	355	359	351
14	351	351	—	14	360	360	356
15	351	360	349	15	359	359	355
16	363	358	366	16	369	373	366(o)
17	383	382	397	17	399	399	399
18	376	380	372	18	364	383	357
19	365	368	361	19	360	360	360
20	352	352	356	20	383	387	360
21	360	366	351	21	354	353	358
22	347	347(n)	347	22	354	352	355
23	329	335	321	23	375	370	375
24	320	322	318	24	354	357	349
25	324	326	321	25	360	360	360
26	326	326	326	26	375	376	374
27	328	330	327	27	366	368	366
28	329	329	324	28	359	356	361
29	332	332	330	29	364	366	364
30	330	330	327	30	356	356	351
				31	352	353	351

(n) 0000-0015, No observations.

(o) 0530-0537, No observations.

January 1957			
Date	Daily Values	3-Hourly Values	
		0000-0300	0300-0600
1	357	360	355
2	380	385	379
3	416	398	423
4	422	439	398
5	396	408	392
6	400	404	396
7	373	373	368
8	360	360	360
9	337	343	336
10	326(x)	340(x)	320(x)
11	318	322	318
12	321	318	323(a)
13	321	323	321
14	315	315	315
15	316	318	312
16	320	323(b)	314
17	309	312	309
18	312	312	314
19	329	326	334
20	341	334	341(c)
21	340	340	334
22	336	332	354
23	366	368	362
24	367	363	370
25	376	377	374
26	375	371	381
27	385	388	381
28	343	351	341
29	325	326	323
30	318(x)	320(x)	315(x)
31	320	320	326

(a) 0533-0539, (b) 0212-0234, (c) 0508-0549, No observations.

(x) : Doubtful owing to the rain.

Time : U. T.

Units are 10^{-22} watts metre⁻² (cycle/sec.)⁻¹ -2 polarizations.

第4表 9,400MC 異常輻射

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 May						1956 June					
1	0218-15 s	45 s	S D	2.1	0218-35 s	17	0252-50 s	2m40 s	S D	2.5	0253-20 s
1	0519-40 s	20 s	S D	4.1	0519-50 s	17	0456-30 s	1m05 s	S D	2.7	0456-55 s
8	0430-15 s	1m45 s	S D	4.2	0430-35 s	July					
10	0214-45 s	1m50 s	S D	3.3	0215-20 s	6	0244-15 s	2m45 s	S D	17.2	0245-55 s
10	0226-15 s	2m25 s	S D	3.8	0227-15 s	25	0527-35 s	2m35 s	S D	15.1	0529-15 s
13	0313-20 s	14m40 s	S D	3.8	0315-55 s	25	0541-45 s	2m15 s	S D	2.7	0542-55 s
14	0346-45 s	1m35 s	S D	6.2	0347-25 s	August					
14	0435-20 s	2m30 s	C D			7	0718-45 s	2m15 s	S D	4.1	0719-05 s
				1st peak	2.8 0435-40 s	9	0140-00 s	7m00 s	C D		
				2nd peak	12.8 0437-30 s					1st peak	27.1 0140-45 s
14	0523-10 s	2m40 s	S D	3.4	0523-50 s					2nd peak	19.2 0142-30 s
14	0553-00 s	3m40 s	S D	2.3	0553-25 s		1% rise and fall, 0139-00s-0203-00s.				
18	0130-00 s	40 s	S D	47.6	0130-20 s	9	0549-45 s	4m15 s	C D	5.1	0550-55 s
21	0316-25 s	1m40 s	C D			19	0115-00 s	9m00 s	C D		
				1st peak	3.3 0316-35 s					1st peak	3.4 0117-00 s
				2nd peak	1.7 0317-50 s					2nd peak	3.5 0118-05 s
26	0438-15 s	30 s	S D	4.9	0438-20 s					3rd peak	2.2 0120-20 s
30	0234-10 s	5m40 s	S D	29.2	0236-15 s					4th peak	4.2 0122-00 s
June						23	0210-15 s	2m30 s	C D	28.6	0211-00 s
3	0357-55 s	1m10 s	S D	2.7	0358-15 s	23	2326-50 s	2m30 s	C D	3.7	2327-45 s
3	0546-05 s	1m10 s	S D	2.0	0546-20 s	25	0146-00 s	30 s	S D	41.1	0145-15 s
6	0545-00 s	9m25 s	C D			25	0314-45 s	1m00 s	S D	7.3	0315-15 s
				1st peak	3.8 0546-00 s	25	0546-40 s	1m20 s	S D	4.5	0546-50 s
				2nd peak	2.9 0551-15 s	26	0223-15 s	3m45 s	S D	2.2	0224-15 s

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956						1956					
August						September					
27	0424-30 s	1m30 s	S D	3.3	0425-30 s	17	0041-20 s	1m20 s	C D	2.4	0042-30 s
29	0459-00 s	7m00 s	C D	4.4	0504-00 s	26	0412-40 s	15 s	S D	4.9	0412-45 s
September						28	0040-30 s	2m15 s	C D	2.5	0041-35 s
4	0130-15 s	1m15 s	S D	6.9	0130-45 s	October					
4	0711-30 s	30 s	C D	13.4	0711-45 s	1	0232-25 s	1m10 s	S D	13.4	0232-50 s
5	0233-30 s	2m00 s	C D	2.0	0233-55 s	3	2349-50 s	1m10 s	S D	7.2	2350-15 s
6	0032-00 s	2m15 s	S D	?	?	6	0732-30 s	6m	C D	4.3	0735-00s(A)
				(18.3	0033-00 s)	7	0331-15 s	1m45 s	S D	2.4	0331-40 s
6	0418-10 s	45 s	C D	3.0	0418-15 s	7	0350-30 s	2m10 s	C D	2.0	0351-45 s
6	0501-45 s	1m45 s	S D	5.8	0502-00 s	8-9	2352-00 s	24m	C D	2.5	0001-00 s
6	0513-40 s	1m00 s	S D	5.8	0514-10 s	10	2318-45 s	1m15 s	S D	4.0	2319-00 s
6	0518-30 s	3m30 s	C D	15.5	0519-30 s	12	0703-00 s	2m00 s	S D	2.1	0703-50 s
8	0204-00 s	1m00 s	S D	10.6	0204-15 s	12	0720-30 s	30 s	S D	5.5	0720-45 s
8	0601-00 s	1m00 s	S D	4.4	0601-30 s	19	0127-00 s	8m00 s	C D	2.1	0129-20 s
9	0119-00 s	1m00 s	S D	3.0	0119-30 s	19	0607-40 s	15 s	S D	2.3	0607-45 s
10	0515-00 s	1m00 s	S D	3.1	0515-05 s	19	0708	13m	C D	3.0	0711 (A)
11	0024-30 s	1m00 s	S D	3.0	0025-00 s	21	2347-10 s	30 s	S D	3.9	2347-15 s
12	0159-30 s	30 s	S D	2.8	0159-45 s	22	0710	>17m	C D	5.5	0715-30s(B)
12	0229-10 s	40 s	C D	5.6	0229-15 s	28	0534-00 s	8m00 s	S D	2.6	0537-30 s
12	0319-10 s	30 s	S D	4.0	0319-15 s	30	0451-30 s	8m30 s	S D	3.7	0451-50 s
14	0127-45 s	6m45 s	C D			November					
				1st peak 59.0	0128-20 s	1	0355-30 s	1m00 s	S D	3.2	0355-40 s
				2nd peak 21.4	0133-05 s	1	0508-20 s	15 s	S D	2.7	0508-25 s
						7	0129-00 s	40 s	S D	5.2	0129-15 s
1% rise and fall, 0126-30 s -0220.											

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 November						1956 November					
7	0659-30 s	1m30 s	SD	6.5	0659-50 s	14	0502-15 s	3m45 s	CD	1st peak 8.7	0502-40 s
8	0113-30 s	10 s	SD	3.8	0113-35 s					2nd peak 10.3	0503-10 s
8	0241-35 s	4m45 s	CD							3rd peak 7.0	0504-05 s
				1st peak 2.9	0241-40 s	14	2314-40 s	22m	SD	3.8	2317-20 s
				2nd peak 3.6	0242-10 s	15	0213-30 s	6m30 s	SD	2.5	0214-35 s
				3rd peak 5.7	0242-50 s	15	0415-45 s	1m45 s	SD	2.0	0416-20 s
				4th peak 7.1	0243-40 s	15	0611-05 s	1m00 s	SD	2.2	0611-20 s
				5th peak 10.0	0245-15 s	15	0603-30 s	1m30 s	SD	2.5	0603-10 s
8	0603-10 s	1m00 s	SD	2.9	0603-25 s	16	0456-25 s	25 s	CD	4.8	0456-30 s
8	0605-45 s	30 s	SD	31.6	0605-55 s	16	0500-40 s	15 s	SD	6.7	0500-45 s
8	0701-30 s	1m30 s	CD			16	0503-25 s	10 s	SD	7.0	0503-30 s
				1st peak 3.2	0701-45 s	16	0536-00 s	1m00 s	SD	2.9	0536-20 s
				2nd peak 3.2	0702-05 s	16	0638-30 s	1m30 s	SD	2.0	0638-50 s
11	0430-50 s	1m00 s	SD	3.8	0431-20 s	16	0655-25 s	30 s	SD	7.3	0655-35 s
11	0654-45 s	35 s	SD	2.3	0654-55 s	17	0101-40 s	1m00 s	SD	6.4	0101-55 s
12	0532-15 s	1m15 s	CD	2.5	0532-20 s	17	0139-30 s	2m00 s	SD	4.7	0140-10 s
13	0055-00 s	2m00 s	SD	3.5	0055-30 s	17	0227-40 s	5m20 s	CD	3.1	0229-55 s
13	0151-40 s	25 s	SD	6.8	0151-55 s	17	0338-00 s	1m00 s	SD	4.1	0338-10 s
13	0210-00 s	2m20 s	SD	3.3	0210-20 s	17	0345-00 s	5m30 s	CD	1st peak 4.7	0345-40 s
13	0241-30 s	1m30 s	SD	2.6	0241-45 s					2nd peak 3.5	0348-10 s
13	0314-55 s	1m45 s	SD	17.0	0415-10 s					1st peak 2.3	0356-10 s
	1% rise and fall, 0314-30 s-0324.					17	0354-30 s	8m30 s	CD	2nd peak 2.9	0357-50 s

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956 November						1956 November					
17	0413-00 s	59m	C D	1st peak 2.6	0416-00 s	21	2330-00 s	2m00 s	S D	2.8	2330-40 s
				2nd peak 8.9	0423-45 s	21	2344-45 s	5m00 s	C D	1st peak 22.5	2345-05 s
				3rd peak 8.3	0439-15 s					2nd peak 8.0	2346-10 s
				4th peak 4.8	0447-30 s					3rd peak 34.6	2348-15 s
				5th peak 5.5	0450-10 s					4th peak 23.6	2349-05 s
				6th peak 9.9	0454-00 s	23	0515-00 s	30 s	S D	5.8	0515-10 s
				7th peak 6.7	0458-00 s	23	0653-40 s	30 s	S D	3.8	0653-50 s
				8th peak 3.3	0505-00 s	24	0305-00 s	3m00 s	S D	6.0	0306-10 s
18	0022-00 s	6m30 s	C D	1st peak 5.7	0023-20 s	26	0559-20 s	1m00 s	S D	6.0	0559-35 s
				2nd peak 6.5	0027-15 s	26	0623-00 s	7m00 s	C D	1st peak 2.6	0624-20 s
18	0529-30 s	2m30 s	S D	3.5	0529-50 s					2nd peak 6.3	0628-40 s
19	0252-30 s	1m30 s	S D	6.3	0253-00 s	28	0044-15 s	20 s	S D	12.4	0044-25 s
19	0526-15 s	15 s	S D	6.3	0526-20 s	29	0506-10 s	40 s	S D	3.8	0506-30 s
19	0535-25 s	1m00 s	C D	3.1	0535-40 s	30	0010-15 s	1m45 s	C D	1st peak 2.2	0010-20 s
19	0538-00 s	30 s	S D	3.3	0538-10 s					2nd peak 2.2	0011-25 s
19	0641-00 s	3m00 s	S D	2.5	0642-00 s	30	0053-20 s	40 s	S D	5.7	0053-50 s
20	0130-45 s	17m	C D	1st peak 6.5	0131-55 s	30	0117-30 s	15 s	S D	3.8	0117-40 s
				2nd peak 10.2	0138-15 s	30	0119-20 s	10 s	S D	4.9	0119-25 s
20	0449-45 s	3m15 s	S D	2.5	0451-00 s	30	0125-20 s	20 s	S D	6.8	0125-25 s
20	0548-00 s	6m00 s	S D	4.8	0550-00 s	30	0128-20 s	2m40 s	C D	1st peak 7.0	0128-35 s
21	0043-45 s	1m15 s	S D	3.1	0044-10 s						
21	0319-30 s	1m00 s	S D	6.2	0319-45 s						

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum			
				Intensity	Time					Intensity	Time		
1956				2nd peak	6.5	0129-20 s							
				3rd peak	5.8	0129-55 s	1956						
November							December						
30	0543-00 s	1m00 s	S D		3.2	0543-20 s	12	0202-20 s	2m40 s	S D	2.8	0202-40 s	
December							13	0110-25 s	2m00 s	C D	5.8	0110-45 s	
4	0422-00 s	4m30 s	S D		3.0	0422-40 s	14	0129-00 s	25 s	S D	18.9	0129-10 s	
4	0644-00 s	1m00 s	S D		4.4	0644-25 s	14	0537-40 s	10 s	S D	3.2	0537-45 s	
6	0019-30 s	25 s	S D		4.1	0019-45 s	15	0524-45 s	3m15 s	S D	36.4	0525-25 s	
6	0617-40 s	15 s	S D		5.1	0617-50 s	15	0634-00 s	1m00 s	S D	3.2	0634-15s(A)	
8	0236-00 s	13 s	S D		2.3	0241-00 s	16	0537-00 s	45 s	S D	5.4	0537-30 s	
9	2336-00 s	2m15 s	C D				17	0053-05 s	15 s	S D	2.8	0053-10 s	
				1st peak	3.3	2336-10 s	17	0054-45 s	10 s	S D	3.2	0054-50 s	
				2nd peak	6.8	2336-50 s	17	0058-00 s	15 s	S D	3.2	0058-10 s	
10	0406-30 s	1m30 s	S D		22.3	0406-45 s	17	0101-15 s	40 s	C D		1st peak 4.7	0101-25 s
11	0110-20 s	15 s	S D		5.7	0110-30 s	17	0105-35 s	10 s	S D		2nd peak 4.8	0101-45 s
11	0111-20 s	10 s	S D		5.7	0111-25 s	17	0108-25 s	40 s	C D		3.3	0105-40 s
11	0112-00 s	15 s	S D		6.4	0112-05 s	17	0108-25 s	40 s	C D		2.5	0108-30 s
11	0122-25 s	20 s	S D		5.8	0122-35 s	17	0115-30 s	25 s	C D		2.5	0115-35 s
11	0600-00 s	30 s	S D		3.6	0600-05 s	17	0116-45 s	1m00 s	S D		4.9	0116-55 s
11	0601-00 s	45 s	S D		7.1	0601-15 s	17	0120-45 s	45 s	S D		4.2	0121-10 s
11	0603-30 s	30 s	S D		8.0	0603-55 s	17	0124-00 s	6m00 s	S D		7.3	0125-50 s
11	0607-50 s	10 s	S D		6.0	0607-55 s	17	0134-00 s	1m10 s	C D		1st peak 7.4	0134-25 s
11	0608-35 s	15 s	S D		6.4	0608-40 s						2nd peak 7.7	0133-00 s
11	2315-20 s	1m40 s	S D		4.9	2315-35 s	17	0136-15 s	30 s	S D		4.5	0136-45 s
12	0022-00 s	4m00 s	S D		2.6	0024-10 s	17	0138-00 s	10 s	S D		4.7	0138-05 s

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1950 December						20	0640-00 s	4m30 s	C D		(A)
17	0139-15 s	1m45 s	C D	5.1	0139-50 s					1st peak 40.0	0640-25 s
17	0208-30 s	5m15 s	C D			21	0118-10 s	35 s	S D	2nd peak 74.5	0643-55 s
				1st peak 11.5	0209-25 s	21	0349-30 s	7m30 s	C D	7.3	0118-15 s
				2nd peak 16.9	0210-40 s					1st peak 4.9	0350-50 s
				3rd peak 19.5	0211-00 s					2nd peak 4.7	0352-20 s
				4th peak 33.2	0212-00 s	21	0445-40 s	7m20 s	C D		
17	0451-30 s	10m30 s	C D							1st peak 13.5	0449-00 s
				1st peak 8.9	0542-20 s					2nd peak 13.2	0449-40 s
				2nd peak 63.6	0458-10 s	24	2309-15 s	4m45 s	C D		
17	2356-00 s	2m30 s	C D	6.8	2357-05 s					1st peak 3.2	2309-55 s
18	0400-00 s	24m	C D							2nd peak 3.3	2310-15 s
				1st peak 7.9	0405-15 s	25	0621-15 s	10m45 s	S D	4.1	0623-45s(A)
				2nd peak 5.1	0410-00 s	26	0445-00 s	8m30 s	C D		
18	0623-50 s	30 s	S D	4.7	0624-00 s					1st peak 4.4	0445-20 s
19	0607-30 s	4m00 s	C D							2nd peak 9.2	0448-05 s
				1st peak 96.4	0608-30 s					3rd peak 7.9	0449-45 s
				2nd peak 82.0	0609-00 s	26	0459-00 s	1m00 s	S D	2.8	0459-20 s
				3rd peak 63.1	0610-25 s	26	0507-15 s	4m45 s	S D	2.3	0509-35 s
20	0019-15 s	8m45 s	C D	2.9	0019-45 s	26	0534-20 s	4m40 s	C D		
20	0135-40 s	3m50 s	S D	11.6	0136-40 s					1st peak 14.8	0535-00 s
20	0444-00 s	7m30 s	C D							2nd peak 14.7	0535-50 s
				1st peak 59.2	0444-10 s					3rd peak 11.9	0536-30 s
				2nd peak 195.0	0449-15 s					4th peak 10.2	0537-30 s
				3rd peak 365.0	0450-20 s						

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1956						1957					
December						January					
27	0621-20 s	7m40 s	C D		(A)	3	0334-45 s	3m00 s	C D		
				1st peak 5.8	0622-05 s					1st peak 5.5	0335-05 s
				2nd peak 25.3	0625-10 s					2nd peak 8.7	0336-10 s
				3rd peak 25.2	0625-25 s	3	0400-30 s	1m00 s	S D	2.9	0400-40 s
				4th peak 24.9	0626-10 s	3	0659-20 s	30 s	S D	5.2	0659-30s(A)
29	0044-45 s	15m	C D			4	0120-00 s	20m	S D	6.4	0125-15 s
				1st peak 10.2	0045-05 s	5	0054-00 s	15m	C D		
				2nd peak 16.7	0045-50 s					1st peak 21.1	0054-45 s
				3rd peak 33.7	0050-15 s					2nd peak 25.5	0056-15 s
				4th peak 30.3	0051-15 s	5	0137-30 s	2m30 s	S D	2.2	0138-00 s
				5th peak 156.5	0054-20 s	5	0151-35 s	5m00 s	C D		
				6th peak 211.0	0055-35 s					1st peak 18.2	0152-35 s
29	0116-30 s	5m30 s	S D	6.0	0118-15 s					2nd peak 21.5	0153-15 s
29	0313-15 s	2m30 s	S D	17.2	0314-00 s	6	0345-20 s	1m00 s	S D	2.3	0345-40 s
31	0455-15 s	20 s	S D	3.8	0455-25 s	7	0014-35 s	20 s	S D	15.6	0014-45 s
1957						7	0356-30 s	3m30 s	S D	2.5	0357-15 s
January						7	0409-10 s	9m00 s	C D	21.1	0409-20 s
1	0425-00 s	2m00 s	S D	2.6	0425-20 s	7	0650-20 s	3m00 s	C D	8.6	0650-50s(A)
2	0138-00 s	14m	S D	5.8	0140-05 s	8	0029-00 s	2m15 s	C D	4.4	0029-50 s
2	0642-20 s	25 s	S D	6.7	0642-35s(A)	8	0538-00 s	6m00 s	S D	2.3	0540-00 s
3	0140-30 s	16m30 s	C D			8	2307-15 s	5m45 s	S D	5.1	2307-40 s
				1st peak 18.9	0143-00 s	8	2319-30 s	11m30 s	S D	15.6	2320-20 s
				2nd peak >21.4	0143-30 s - 0144-00 s (off-scale.)	9	0144-30 s	1m00 s	S D	4.8	0144-45 s
				3rd peak 20.7	0144-55 s	9	0432-00 s	1m30 s	C D	10.2	0432-20 s

Date	Starting time	Duration	Type	Maximum		Date	Starting time	Duration	Type	Maximum	
				Intensity	Time					Intensity	Time
1957						1957					
January						January					
10	0104-40 s	2m00 s	S D	13.8	0105-20 s	26	0056-15 s	2m30 s	S D	6.5	0056-35 s
10	0111-10 s	1m50 s	C D			26	0344-00 s	7m00 s	S D	2.5	0345-20 s
				1st peak 3.5	0111-15 s	26	0543-00 s	7m00 s	S D	3.9	0544-15 s
				2nd peak 2.2	0112-50 s	26	0722-30 s	2m30 s	S D	3.5	0723-15s(A)
17	0512-00 s	1m00 s	C D			28	0553-00 s	15m	S D	2.2	0556-35 s
				1st peak 5.5	0512-10 s	28	2334-30 s	2m30 s	S D	10.9	2335-25 s
				2nd peak 4.0	0512-30 s	31	0406-35 s	15 s	S D	4.1	0406-40 s
17	0600-15 s	1m20 s	C D	9.6	0601-15 s						
18	0402-40 s	20 s	S D	12.8	0402-50 s						
19	0223-00 s	1m00 s	S D	2.5	0223-40 s						
21	0706-00 s	5m00 s	C D								
				1st peak 8.0	0707-00 s						
				2nd peak 8.0	0708-00 s						
22	0719-30 s	25 s	S D	10.0	0719-40 s						
23	0422-30 s	15 s	S D	4.4	0422-35 s						
23	0606-40 s	30 s	S D	6.4	0606-50 s						
24	0249-00 s	17m	C D								
				1st peak 12.4	0249-30 s						
				2nd peak 31.9	0251-45 s						
				3rd peak 27.1	0254-05 s						
24	0440-40 s	20 s	S D	3.2	0440-45 s						
24	0600-00 s	15 s	S D	3.8	0600-10 s						
25	0322-30 s	12m	S D	3.3	0323-25 s						
25	0424-20 s	10 s	S D	7.0	0424-25 s						
25	0519-00 s	1m30 s	S D	2.3	0520-05 s						

Time : U. T.
(A) : near sunset and less accurate.
(B) : sunset.
Units are 10^{-21} watts metre⁻² (cycle/sec.)⁻¹ -2 polarizations.
NOTE : Outstanding Occurrences less than 2.0 units are not tabulated.