Feb 1978

(3) PROMINENCE

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1		-	-	-	-	-	
2	2h25	1	1	0	1	3	*
3		-	-	-	-	-	
4	0:54	2	1	1	0	4	
5	0:44	5	1	3	1	10	
6	5:43	-	-	-	-	-	
7	0:44	2	1	3	1	7	
8	4:56	2	4	1	2	9	
9	2:52	-	-	-	-	-	
10		-	-	-	-	-	
11		-	-	-	-	-	
12		-	-	-	-	-	
13	2:23	0	4	1	6	11	
14	4:16	2	1	1	2	6	
15	5:53	0	1	0	0	1	
16	2:08	2	1	0	0	3	
17	0:45	3	1	2	1	7	
18	1:05	4	2	3	0	9	
19	4:10	-	-	-	-	-	
20	1:27	2	2	1	4	9	
21	2:30	2	3	2	2	9	
22	0:45	2	1	4	2	9	
23	2:52	2	2	1	1	6	
24	1:44	3	3	4	1	11	
25	4:19	3	3	2	2	10	
26	1:07	5	1	3	0	9	
27	1:30	3	1	4	4	12	
28		-	-	-	-	-	
Sum		45	34	36	30	145	
		79		66			
Mean		4.2		3.5		7.6	

Days 19

* - Contrast is bad

8cm Prominencescope
H-alpha 6563Å(Hbw. 4.0Å)

(4) POLAR FACU

N	S
-	-
0	0
-	-
0	0
0	0
0	0
0	0
0	1
0	0
-	-
-	-
-	-
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	1
0	2
0	0
0	0
0	0
0	3
-	-
0	7
7	
	0.3

Feb 1978

(5) PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
2	2h25m	2	N31-34W	6.1
4	0:54	5	N32-47E	3.7
7	0:44	1	N28-34W	7.0
7	0:44	5	N46-55E	5.3
7	0:44	5	N17-29E	2.8
8	4:56	1	N29-35W	6.4
8	4:56	5	N45-56E	6.1
13	2:23	5	S55-62W	5.0
14	4:16	5	N42-48W	4.0
14	4:16	5	S57-63W	4.2
14	4:16	2	S31-39E	6.5
17	0:45	5	N30-36E	4.2
17	0:45	3	N13-22E	3.6
18	1:05	3	N3-13 W	4.6
18	1:05	5	N30-39E	5.6
18	1:05	3	N22-29E	3.4
18	1:05	2	S 30 E	5.6
18	1:05	2	S 41 E	5.6
20	1:27	1	S19-27W	5.9
21	2:30	2	S66-68E	7.2
22	0:45	5	N25-36E	4.6
22	0:45	2	S62-64E	10.2
23	2:52	5	N41-50W	5.7
23	2:52	2	N38-40E	7.4
23	2:52	2	N25-30E	7.5
23	2:52	2	S59-60E	12.1
24	1:44	5	N42-46W	6.7
24	1:44	2	S52-56E	14.1
25	4:19	2	N26-28E	9.2
25	4:19	2	S50-53E	15.2
26	1:07	2	N25-30E	6.5
26	1:07	2	S51-53E	16.7
27	1:30	2	N27-37E	8.2

(6) SOLAR FLARES

Date	Time U. T.	Helio. Position		Imp.	Sunspot NO. and Type
		Latitude	Mer.Dist.		
13	2h23m	N13-17	W13-15	1b	N3359 F

Mar 1978

(3) PROMINENCE

Date	Time U.T.	N E	N W	S E	S W	Total	Rem.
1	3h32m	5	1	1	1	8	
2	1:27	4	4	3	3	14	
3	5:23	2	3	2	2	9	
4		-	-	-	-	-	
5	2:03	2	2	2	2	8	
6	0:12	3	3	4	1	11	
7	0:06	5	3	4	3	15	
8	0:50	0	2	2	3	7	
9	0:40	0	1	0	1	2	*
10		-	-	-	-	-	
11	2:46	1	2	1	2	6	
12	5:47	1	0	0	1	2	*
13	0:07	4	2	2	2	10	
14	0:23	3	2	1	2	8	
15	5:22	1	2	2	2	7	
16	0:12	4	3	1	3	11	
17	0:08	2	3	3	3	11	
18	0:31	2	2	1	2	7	*
19	3:55	2	3	3	0	8	
20	0:03	1	4	1	2	8	
21		-	-	-	-	-	
22		-	-	-	-	-	
23	0:20	3	2	1	2	8	
24	0:18	4	3	2	6	15	
25	0:38	3	3	1	5	12	
26	0:11	2	1	2	6	11	
27	0:03	-	-	-	-	-	
28		-	-	-	-	-	
29	1:21	3	4	2	2	11	
30	0:17	4	6	1	4	15	
31	4:25	3	2	0	1	6	*
Sum		64	63	42	61	230	
		127		103			
Mean			5.1		4.1	9.2	

(4) POLAR FACULA

N	S
0	1
0	0
0	0
-	-
0	0
0	0
0	0
0	2
0	2
-	-
0	0
-	-
0	0
0	0
0	0
0	2
0	0
0	1
0	0
0	0
-	-
-	-
0	0
1	2
0	2
0	1
0	0
-	-
0	0
0	0
0	0
1	13
	14
0.54	

Days 25 * - Contrast is bad

8cm Prominencescope
H-alpha 6563Å(Hbw. 4.0Å)

Mar 1978

(5) PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	3h32m	2	N46-50E	6.3
1	3:32	5	N37-42E	5.6
2	1:27	5	N38-47E	5.7
2	1:27	2	N35-47W	8.3
3	5:23	5	N40-48E	7.8
3	5:23	2	N36-40W	6.5
3	5:23	3	N22-25W	6.5
5	2:03	5	N42-56E	6.3
6	0:12	6	N50-59E	13.9
6	0:12	2	N45-46E	18.6
9	0:40	2	S39-47W	7.4
11	2:46	2	N32 E	6.4
11	2:46	2	S46-52W	6.5
11	2:46	2	S25-27W	5.5
12	5:47	5	N37-49E	5.5
12	5:47	2	S52-53W	5.8
13	0:07	4	N42 W	5.6
13	0:07	4	S11 E	5.6
13	0:07	2	S52-56W	5.6
15	5:22	5	N42-48E	6.3
17	0:08	4	S 1 W	7.4
19	3:55	4	S 5-7 E	6.0
20	0:03	3	N16 W	5.0
20	0:03	4	S 3 E	7.4
26	0:11	5	N20-28E	5.7
29	1:21	5	S15-23W	5.7
30	0:17	1	N45-51E	5.6
30	0:17	2	N25-30W	5.9
31	4:25	1	N43-53E	9.6
25	0:38	5	S0 -4 W	5.1

* Type
1 Active
2 Eruptive
3 Sunspot
4 Tornado
5 Quiescent
6 Coronal

Apr 1978

(3) PROMINENCE

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.	(4) POLAR FACULA N	(4) POLAR FACULA S
1	1h10m	2	4	1	3	10		0	0
2		-	-	-	-	-		-	-
3	5:43	-	-	-	-	-		0	0
4	0:04	2	3	3	4	12		1	1
5	0:20	3	1	3	1	8		0	0
6		-	-	-	-	-		-	-
7	0:18	3	1	3	2	9		0	3
8	0:19	4	2	4	1	11		0	2
9	0:22	1	1	3	5	10		0	1
10	1:38	1	3	1	6	11		0	0
11	1:32	1	4	3	2	10		0	1
12		-	-	-	-	-		-	-
13		-	-	-	-	-		-	-
14	0:17	4	3	1	2	10		0	0
15	1:26	2	2	0	2	6	*	0	0
16	3:19	1	7	1	5	14		0	0
17		-	-	-	-	-		-	-
18		-	-	-	-	-		-	-
19	0:02	4	5	3	5	17		0	1
20	0:44	1	1	2	0	4	*	0	0
21	4:04	-	-	-	-	-		0	0
22	0:02	3	10	1	2	16		0	4
23	3:40	-	-	-	-	-		0	0
24		-	-	-	-	-		-	-
25	1:57	2	5	5	4	16		0	0
26	0:42	4	2	2	4	12		0	0
27	2:14	3	4	2	4	13		0	2
28	1:13	-	-	-	-	-		0	0
29		-	-	-	-	-		-	-
30		-	-	-	-	-		-	-
Sum		41	58	38	52	189		1	15
		99		90				16	
Mean		5.8		5.3		11.1		0.76	

Days 17 * - Contrast is bad

8cm Prominencescope
H-alpha 6563(Hbw. 4.0A)

Apr 1978

(5) PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)	
1	1h10m	6	N-10 W	5.4	
9	0:22	2	N35-38E	5.0	V
11	1:32	5	N36-46W	5.1	V
14	0:17	2	N46-52E	7.2	V
14	0:17	2	N40-47W	7.5	V
15	1:26	2	N45-51E	7.8	V
15	1:26	2	N46-49W	5.4	V
16	3:19	5	N45-53E	8.4	V
19	0:02	2	N44-47W	7.6	V
19	0:02	2	S 4-9 E	7.4	V
19	0:02	4	S 7 W	5.0	V
20	0:44	2	S29-34E	5.0	V
20	0:44	5	S41-55E	5.6	V
22	0:02	3	N14-17W	5.6	V
22	0:02	3	N 19 W	5.8	V
22	0:02	5	S36-51E	8.4	V
26	0:42	2	N 51 E	5.3	V
26	0:42	5	S16-20W	5.7	V
26	0:42	5	S34-39W	5.0	V
27	2:14	2	N50-51E	7.2	V
27	2:14	2	S52-56E	6.7	V
27	2:14	5	S33-40W	5.0	V

(6) SOLAR FLARES

Date	Time U. T.	Helio. Position Latitude	Helio. Position Mer.Dist.	Imp.	Sunspot NO. and Type
4	0h04m	S27-28	E71-72	Sn	S2707 J
5	0:20	S 28	E 57	Sb	S2707 C
8	0:19	N19-20	W 8-7	Sf	N3387 D

May 1978

(3) PROMINENCE

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.	(4) POLAR FACULA N	S
1	1h53	1	4	2	2	9		0	2
2	0:26	2	3	1	1	7		0	0
3	1:05	2	3	3	3	11		0	1
4	0:09	2	5	2	4	13		0	3
5	4:04	-	-	-	-	-		0	0
6		-	-	-	-	-		-	-
7		-	-	-	-	-		-	-
8	5:07	-	-	-	-	-		0	0
9	4:24	2	4	2	4	12	*	0	1
10		-	-	-	-	-		-	-
11		-	-	-	-	-		-	-
12	0:02	3	2	4	2	11		0	3
13	0:09	1	1	1	3	6		1	1
14	0:11	2	2	0	2	6		0	0
15	0:14	2	2	0	2	6		0	0
16	0:24	1	2	0	2	5	*	0	0
17		-	-	-	-	-		-	-
18		-	-	-	-	-		-	-
19		-	-	-	-	-		-	-
20	0:10	1	2	1	2	6		0	2
21	0:04	2	2	3	1	8		0	0
22	0:40	0	4	1	3	8		0	0
23	3:25	2	2	1	3	8		0	0
24	0:10	1	2	3	5	11		0	1
25	0:29	2	2	2	5	11		2	1
26	0:41	0	3	1	3	7		0	0
27	4:08	0	3	0	0	3	*	0	0
28	3:49	-	-	-	-	-		0	0
29		-	-	-	-	-		-	-
30		-	-	-	-	-		-	-
31	0:34	3	2	2	2	9		0	2
Sum		29	50	29	49	157		3	17
		79		78				20	
Mean		4.2		4.1		8.3		0.91	

Days 19 * - Contrast is bad

8cm Prominencescope
H-alpha 6563(Hbw. 4.0Å)

May 1978

(5) PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	1h53m	5	N48-52E	6.3
9	4:24	2	S40-41E	8.0
9	4:24	5	S51-57E	5.6
12	0:02	5	N41-59W	7.3
12	0:02	5	S51-55W	5.8
13	0:09	5	N42-56W	7.3
13	0:09	5	S51-58W	7.0
14	0:11	5	N47-56W	7.0
14	0:11	5	S51-58W	6.7
15	0:14	5	N52-56W	5.4
15	0:14	5	S50-60W	6.9
16	0:24	2	N49-54E	6.0
20	0:10	2	N26-27E	8.4
20	0:10	5	S48-55E	5.6
21	0:04	5	S46-55E	5.8
22	0:40	5	S45-52E	5.9
23	3:25	5	N18-26W	5.0
23	3:25	5	S48-52E	6.3
23	3:25	1	S13-22W	7.9
24	0:10	1	S14-23W	7.3
24	0:10	5	S52-58W	5.4
25	0:29	2	S17-23W	8.4
25	0:29	5	S47-57W	5.3
26	0:41	5	S45-58W	7.2
31	0:34	5	N53-59E	6.9
31	0:34	2	N54-57W	5.8
31	0:34	2	N20-24W	5.7
31	0:34	5	S42-52W	5.0

* Type
1 Active
2 Eruptive
3 Sunspot
4 Tornado
5 Quiescent
6 Coronal

Jun 1978

PROMINENCE

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1	0h25m	3	3	3	4	13	
2	1:13	1	2	2	5	10	
3	3:28	0	4	4	5	13	
4		-	-	-	-	-	
5	0:37	3	5	3	3	14	
6	1:51	2	1	1	0	4	*
7	3:34	2	1	3	2	8	
8	2:26	6	3	2	0	11	
9	0:02	6	1	1	2	10	
10		-	-	-	-	-	
11		-	-	-	-	-	
12	4:34	2	3	3	4	12	
13	4:28	1	1	1	4	7	
14	0:08	1	2	2	3	8	
15	0:04	1	2	3	3	9	
16		-	-	-	-	-	
17	1:25	2	4	1	1	8	
18	3:28	2	0	1	1	4	*
19		-	-	-	-	-	
20	0:00	3	4	5	4	16	
21		-	-	-	-	-	
22		-	-	-	-	-	
23		-	-	-	-	-	
24		-	-	-	-	-	
25		-	-	-	-	-	
26		-	-	-	-	-	
27		-	-	-	-	-	
28	0:44	2	4	3	1	10	
29		-	-	-	-	-	
30		-	-	-	-	-	
Sum		37	40	38	42	157	
		77		80			
Mean		4.8		5.0		9.8	

Days 16 * - Contrast is bad

8cm Prominencescope
H-alpha 6563Å(Hbw.4.0Å)

Jun 1978

PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	0h24m	5	N55-60E	5.6
1	0:24	5	N53-57W	5.4
1	0:24	2	S 3-11W	5.6
1	0:24	2	S43-47W	6.4
2	1:13	2	S16-18W	8.4
2	1:13	4	S 41 W	5.6
2	1:13	2	S43-46W	8.4
3	3:28	2	S46-51W	6.5
5	0:37	4	S 25 W	6.8
7	3:34	2	S 28 E	6.1
7	3:34	2	S 40 E	6.3
7	3:34	5	N32-38W	5.1
8	2:26	2	N66-67W	13.0
8	2:26	4	N 53 W	5.6
9	0:02	4	N 53 E	6.3
9	0:02	5	S45-55E	6.4
12	4:34	6	S30-33E	5.6
12	4:34	1	S23-30W	5.7
13	4:28	2	S23-29W	6.4
14	0:08	2	N22-23E	6.5
15	0:04	2	N22-33E	8.3
15	0:04	2	S37-43W	5.0
17	1:25	3	N 9-15E	6.0
17	1:25	2	S41-51E	6.2
17	1:25	5	S50-54W	5.0
18	3:28	2	S51-55W	5.7
20	0:00	4	S 18 E	5.6
28	0:44	4	N 62 W	6.0
28	0:44	5	N25-33W	8.7

Jul 1978

PROMINENCE

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1		-	-	-	-	-	
2	0h18m	2	3	3	4	12	
3	2:49	3	2	1	3	9	
4	2:49	4	1	3	2	10	*
5	1:47	5	3	3	1	12	
6	2:01	3	2	1	1	7	
7	0:11	0	4	0	4	8	
8	1:58	7	5	3	2	17	
9	3:56	4	1	6	1	12	*
10	2:38	3	0	5	0	8	
11	2:53	3	1	4	1	9	
12		-	-	-	-	-	
13		-	-	-	-	-	
14	2:05	3	1	0	2	6	
15	0:34	2	2	3	3	10	
16	3:13	1	3	2	1	7	
17		-	-	-	-	-	
18	3:04	1	1	1	2	5	
19		-	-	-	-	-	
20	2:59	3	0	3	3	9	
21	2:27	5	1	1	1	8	
22	3:15	1	2	1	0	4	
23	3:23	3	0	0	0	3	
24	0:56	3	2	1	1	7	
25	2:31	2	4	0	5	11	
26	0:39	2	4	1	5	12	
27	2:35	2	4	3	3	12	
28	0:27	6	5	4	4	19	
29	1:13	3	4	4	4	15	
30	1:36	3	2	0	1	6	
31	3:47	3	4	2	4	13	
Sum		77	61	55	58	251	
		138		113			
Mean		5.3		4.4		9.7	

Days 26 * - Contrast is bad

8cm Prominencescope
H-alpha 6563A(Hbw. 4.0A)

Jul 1978

PRINCIPAL PROMINENCE

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
2	0h18m	2	S51-52E	5.0
3	2:49	2	S51-55E	6.6
4	2:49	2	N27-33E	6.2
6	2:01	4	S 32 E	5.0
8	1:58	2	N 1-2 W	5.0
9	3:56	4	N 12 E	5.0
9	3:56	4	N 7 E	5.0
11	2:53	1	N 3-17E	5.5
11	2:53	2	S35-43E	14.8
18	3:04	2	N15-25W	9.2
20	2:59	5	N38-42E	7.2
20	2:59	2	S 6 E	5.8
20	2:59	2	S 16 E	5.9
21	2:27	5	N36-43E	9.2
22	3:15	5	N36-45E	7.3
22	3:15	3	N 15 W	5.5
22	3:15	2	S49-52E	8.2
24	0:56	2	N24-27E	5.2
26	0:39	5	N52-55W	6.5
26	0:39	5	S41-46W	5.5
27	2:35	2	N51-55W	8.2
27	2:35	2	N30-34W	7.4
27	2:35	6	S17-22E	5.6
27	2:35	6	S37-43W	8.4
28	0:27	2	N53-58W	7.9
28	0:27	5	N33-38W	5.6
28	0:27	1	S12-16E	8.1
28	0:27	6	S36-46W	8.4
29	1:13	5	N55-60W	7.1
29	1:13	2	S37-47W	9.3
30	1:36	2	N22-27E	8.2
30	1:36	5	N57-63W	7.0
30	1:36	2	S40-41W	7.3
31	3:47	2	N25-28E	9.7
31	3:47	5	N59-65W	6.5
31	3:47	2	S46-47W	9.2

PROMINENCE (Aug. 1978)

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1	0h14m	2	3	1	3	9	
2		-	-	-	-	-	
3		-	-	-	-	-	
4	0:50	3	6	5	1	15	
5	3:41	3	5	5	1	14	
6	3:53	3	2	4	1	10	
7	1:43	6	2	2	2	12	
8		-	-	-	-	-	
9		-	-	-	-	-	
10	3:59	2	0	2	4	8	
11		-	-	-	-	-	
12	0:08	7	2	6	3	18	
13	0:27	4	2	3	3	12	
14	0:38	2	1	2	2	7	
15	0:55	3	2	4	3	12	
16		-	-	-	-	-	
17		-	-	-	-	-	
18	0:00	3	2	3	2	10	
19	2:19	2	4	0	3	9	
20		-	-	-	-	-	
21		-	-	-	-	-	
22	0:01	2	3	5	3	13	
23	0:04	4	4	1	3	12	
24	0:58	5	7	2	3	17	
25	0:14	1	2	2	1	6	
26	0:06	3	2	2	1	8	
27	3:44	2	4	2	1	9	
28	0:55	3	5	2	3	13	
29	0:06	2	3	4	3	12	
30	0:34	3	3	4	5	15	
31	0:06	3	2	5	6	16	
Sum		68	66	66	57	257	
		134		123			
Mean			6.1		5.6	11.7	

Days 22

8cm Prominencescope
H-alpha 6563A(Hbw. 4.0A)

PRINCIPAL PROMINENCE (Aug. 1978)

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	0h14m	2	N65-68W	6.5
1	0:14	6	N30-36W	6.4
1	0:14	6	S18-19W	5.6
1	0:14	5	S46-52W	5.0
4	0:50	5	N42-48E	6.6
4	0:50	6	N51-52W	6.6
4	0:50	2	N38-41W	5.6
4	0:50	2	S50-52E	5.5
5	3:41	5	N41-48E	5.8
5	3:41	2	N57-58W	5.6
5	3:41	2	N39-45W	9.3
6	3:53	5	N39-45W	10.2
6	3:53	1	N10-22W	7.8
7	1:43	5	N42-48W	7.4
7	1:43	1	N10-18W	7.9
7	1:43	6	N16-19E	7.4
13	0:27	2	S13-14W	13.0
13	0:27	2	S43-46E	5.4
14	0:38	5	S45-50E	6.0
15	0:55	5	N60-66E	8.0
15	0:55	5	S47-52E	5.7
18	0:00	6	N51-56E	9.9
18	0:00	2	N47-49E	6.6
18	0;00	5	N45-53W	6.9
18	0:00	6	N9 -15W	6.8
18	0:00	6	S9 -19W	5.6
19	2:19	2	N10-19E	6.4
19	2:19	5	N43-53W	6.9
19	2:19	6	N 7-8 W	7.4
19	2:19	6	S15-24W	6.5
19	2:19	5	S54-60W	5.4
22	0:01	2	S53-55W	5.6
24	0:58	6	N18-21E	6.4
24	0:58	2	N 5-8 E	5.6
25	0:14	1	N16-30E	5.0
25	0:14	5	N51-55W	5.0
26	0:14	1	N14-29E	9.5
27	3:44	1	N18-28E	6.7
28	0:55	5	N55-58W	5.8
30	0:34	5	N38-44E	5.0
30	0:34	2	S30-31W	5.5
31	0:06	5	S52-57E	5.5

PROMINENCE (Sept. 1978)

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1		-	-	-	-	-	
2	1h37m	2	4	1	1	8	
3		-	-	-	-	-	
4		-	-	-	-	-	
5		-	-	-	-	-	
6	2:14	3	1	2	5	11	
7	0:58	6	2	3	2	13	
8	0:32	4	3	3	3	13	
9	0:41	2	2	3	6	13	
10		-	-	-	-	-	
11		-	-	-	-	-	
12		-	-	-	-	-	
13		-	-	-	-	-	
14		-	-	-	-	-	
15		-	-	-	-	-	
16	5:19	2	2	4	6	14	
17	0:17	4	2	4	1	11	
18	0:06	2	2	2	2	8	
19	0:05	1	2	3	2	8	
20	0:07	0	3	5	2	10	
21		-	-	-	-	-	
22		-	-	-	-	-	
23		-	-	-	-	-	
24		-	-	-	-	-	
25	0:12	2	1	2	2	7	
26	5:27	1	3	1	1	6	
27		-	-	-	-	-	
28		-	-	-	-	-	
29		-	-	-	-	-	
30	3:46	4	2	3	7	16	
Sum		33	29	36	40	138	
		62		76			
Mean		4.8		5.8		10.6	

Days 13

8cm Prominencescope
H-alpha 6563Å(Hbw. 4.0A)

PRINCIPAL PROMINENCES (Sep. 1878)

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
2	1h37m	5	N46-55E	7.4
2	1:37	2	N48-52W	6.5
6	2:14	5	N50-54E	5.1
6	2:14	5	N 1-9 E	5.1
6	2:14	2	S42-44E	6.5
7	0:58	2	N51-54E	5.6
7	0:58	1	N 0-8 E	5.6
8	0:32	1	N25-37W	5.5
9	0:41	1	N48-52W	6.5
16	5:19	3	S20-24E	6.5
17	0:17	5	N18-27W	5.6
17	0:17	6	S16-22E	7.0
18	0:06	1	N25-28W	7.2
19	0:05	3	N28-30W	7.4
20	0:07	3	N29-34W	8.4
30	3:46	2	N 4 E	5.8

* Type

1 Active
2 Eruptive
3 Sunspot
4 Tornado
5 Quiescent
6 Coronal

PROMINENCE (Oct. 1978)

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1	2h03m	3	1	0	4	8	
2	2:24	1	1	1	4	7	
3	2:33	2	3	2	1	8	
4	0:19	6	5	3	3	17	
5		–	–	–	–	–	
6		–	–	–	–	–	
7		–	–	–	–	–	
8	0:18	2	4	3	3	12	
9	0:27	1	2	0	2	5	*
10	4:54	4	2	2	4	12	
11	4:28	4	2	2	1	9	*
12		–	–	–	–	–	
13		–	–	–	–	–	
14	0:13	3	3	1	2	9	
15		–	–	–	–	–	
16	1:11	2	2	1	5	10	
17	1:22	1	1	3	5	10	
18	2:23	3	3	3	2	11	
19	3:11	3	4	2	4	13	
20	4:10	2	5	2	7	16	
21	2:08	3	2	2	2	9	
22	1:28	4	4	1	2	11	
23	4:25	4	2	3	4	13	
24		–	–	–	–	–	
25		–	–	–	–	–	
26		–	–	–	–	–	
27		–	–	–	–	–	
28		–	–	–	–	–	
29		–	–	–	–	–	
30	2:37	1	3	3	3	10	
31	1:49	5	2	6	4	17	
Sum		54 105	51	40 102	62	207	
Mean		5.5		5.4		10.9	

Days 19 * – Contrast is bad

8cm Prominoscope
H-alpha 6563Å (Bbw. 4.0Å)

PRINCIPAL PROMINENCE (Oct. 1978)

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
2	2h24m	6	S25-32W	7.4
3	2:33	5	N52-57E	5.7
3	2:33	5	N14-23E	5.6
3	2:33	2	S48-52W	5.6
4	0:19	5	N50-55E	6.1
4	0:19	2	S47-50W	5.9
4	0:19	4	S32 W	5.7
8	0:18	2	N43-48W	6.5
8	0:18	5	N32-42W	5.7
9	0:27	2	N38-41W	9.4
9	0:27	2	N24-25W	7.2
10	4:54	2	N53-67E	5.9
10	4:54	1	S26-47W	7.4
11	4:28	2	N54-65E	5.6
14	0:13	2	N58-61E	6.5
16	1:11	2	S13-22W	6.7
17	1:22	2	S45-49W	6.1
18	2:23	2	N57-61W	5.8
18	2:23	2	S45-47W	5.5
19	3:11	5	N43-48E	5.7
19	3:11	2	N41-47W	7.8
19	3:11	2	S 7-10E	5.0
19	3:11	2	S55-58W	5.1
20	4:10	2	N44-49E	5.1
20	4:10	2	N40-42W	11.0
20	4:10	2	S 5-6 W	5.7
21	2:08	2	N36-38W	17.4
22	1:28	1	N47-60E	5.1
22	1:28	2	N42-44W	5.8
22	1:28	2	S60-63W	5.0
23	4:25	1	N47-62E	8.8
23	4:25	5	N 0-5 E	5.0
23	4:25	5	S56-61W	5.8
30	2:37	5	N57-63W	5.6
30	2:37	5	S57-60W	5.1
31	1:49	2	N59-63W	6.7

SOLAR FLARES

Date	Time U. T.	Helio. Latitude	Position Mer.Dist.	Imp.	Sunspot NO. and Type
9	0h27m	S13-14	W47-46	Sn	S2808 H

PROMINENCE (Nov. 1928)

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1	4h04m	1	4	1	2	8	
2	3:14	5	3	2	4	14	
3	2:34	2	4	1	3	10	
4	3:39	2	3	1	3	9	
5	2:14	1	5	0	3	9	*
6	3:45	1	7	0	3	11	
7		-	-	-	-	-	
8	3:57	1	5	3	3	12	
9	3:22	4	6	5	2	17	
10	4:43	2	1	2	1	6	*
11		-	-	-	-	-	
12		-	-	-	-	-	
13		-	-	-	-	-	
14	3:14	2	4	3	3	12	
15	1:39	4	4	3	7	18	
16	2:29	2	4	5	5	16	
17	4:59	3	5	5	4	17	
18	4:21	5	1	2	4	12	
19	3:14	7	3	4	7	21	
20	2:49	4	5	1	3	13	
21	3:43	4	1	6	3	14	
22	1:58	6	2	2	4	14	
23	2:48	5	2	5	2	14	
24	3:00	6	5	3	2	16	
25	3:01	2	5	3	2	12	
26		-	-	-	-	-	
27		-	-	-	-	-	
28	1:59	6	5	3	4	18	
29	2:07	6	2	4	2	14	
30	2:34	6	3	6	3	18	
Sum		87	89	70	79	325	
		176		149			
Mean		7.3		6.2		13.5	

Days 24 * - Contrast is bad

8cm Prominencescope
H-alpha 6563A(Hbw. 4.0A)

PRINCIPAL PROMINENCE (Nov. 1978)

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	4h04m	2	N58-64W	5.0
2	3:14	2	N49-52E	5.0
2	3:14	2	N59-69W	9.7
2	3:14	2	S30-47W	14.5
2	3:14	2	S20-21W	5.6
3	2:34	2	N46-50E	7.6
3	2:34	3	N18-20E	5.5
3	2:34	2	N66-70W	6.1
3	2:34	2	S11-13W	5.1
4	3:39	6	N 8-12W	10.2
8	3:57	6	N11-15W	7.5
8	3:57	6	S20-26W	10.2
9	3:22	6	N11-15W	7.6
9	3:22	6	S16-27W	8.3
10	4:43	5	N43-61E	5.9
14	3:14	5	N55-62E	5.5
15	1:39	2	N58-60E	6.6
15	1:39	2	S32-34E	6.7
17	4:59	2	N62-72E	12.0
20	2:49	4	S 0-1 W	5.6
21	3:43	4	S 8 E	5.8
21	3:43	2	S22-25E	6.6
22	1:58	2	N34-37E	6.4
22	1:58	6	S19-25E	6.5
22	1:58	4	S 20 W	5.5
23	2:48	2	S23-25E	5.1
24	3:00	2	N45-57E	5.1
24	3:00	5	S58-64W	5.0
25	3:01	2	S55-63W	5.0
28	1:59	1	N15-25E	10.2
28	1:59	2	S53-60W	6.0
30	2:34	2	S 2-3 E	10.2

* Type

1 Active
2 Eruptive
3 Sunspot
4 Tornado
5 Quiescent
6 Coronal

PROMINENCE (Dec. 1978)

Date	Time U. T.	N E	N W	S E	S W	Total	Rem.
1	2h08m	4	6	5	7	22	
2		–	–	–	–	–	
3	3:00	5	3	5	4	17	
4	1:18	5	5	4	3	17	
5	0:43	2	4	3	3	12	
6	0:10	4	4	2	2	12	
7	4:35	4	5	5	1	15	
8	2:38	4	3	4	1	12	
9	2:33	2	4	3	1	10	
10		–	–	–	–	–	
11		–	–	–	–	–	
12	1:16	4	4	4	3	15	
13	4:06	6	4	5	5	20	
14	3:24	5	5	4	7	21	
15	3:58	2	5	3	3	13	
16	3:44	6	5	2	2	15	
17	3:52	5	3	2	2	12	
18	1:55	4	4	3	2	13	
19		–	–	–	–	–	
20	2:08	2	3	1	0	6	Contrast is bad
21	2:10	2	2	2	1	7	
22		–	–	–	–	–	
23		–	–	–	–	–	
24	1:47	6	3	8	1	18	
25	2:26	6	2	6	3	17	
26	2:04	4	8	7	4	23	
27	2:53	3	4	7	3	17	
28		–	–	–	–	–	
29		–	–	–	–	–	
30	1:02	3	5	4	1	13	
31	0:58	4	2	3	1	10	
Sum		92	93	92	60	337	
		185		152			
Mean		8.0		6.6		14.7	

Days 23

8cm Prominencescope
H-alpha 6563Å(Hbw. 4.0Å)

PRINCIPAL PROMINENCE (Dec. 1978)

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
1	2h08m	2	S 0-1 E	6.4
3	3:00	2	N20-24E	5.3
4	1:18	2	N47-49E	9.2
5	0:43	2	S 9-11W	7.6
7	4:35	2	N31-35E	6.4
7	4:35	6	N27-32W	5.3
12	1:16	1	N 5-22W	8.4
12	1:16	2	S 5-10E	7.4
13	4:06	4	S 10 E	5.6
13	4:06	2	S35-36E	8.4
13	4:06	5	S54-62E	5.6
14	3:24	2	N 1-5 E	5.3
14	3:24	6	S40-41E	6.4
14	3:24	3	S15-17W	9.1
14	3:24	3	S18-22W	9.3
15	3:58	2	N45-50E	5.8
16	3:44	2	S43-44W	6.1
17	3:52	2	N34-40W	5.2
17	3:52	2	N19-15W	5.1
17	3:52	2	S44-46W	6.5
24	1:47	2	N 3-9 E	6.5
24	1:47	6	S37-43E	5.6
25	2:26	6	S18-21E	5.6
26	2:04	6	S20-33E	10.2
27	2:53	5	S58-64W	6.3
30	1:02	2	N20-27W	6.1
30	1:02	5	S46-62W	7.9
31	0:58	5	S41-64W	8.0

SOLAR FLARES

Date	Time U. T.	Helio. Position Latitude	Helio. Position Mer.Dist.	Imp.	Sunspot No. and Type
13	4h06m	N19-20	W 7- 8	Sn	N3587 F