

PROMINENCE (Jan. 1982 )

Date	Time	N		S		Total	rem.
		E	W	E	W		
1	2h19m	4	1	3	4	12	
2	1:55	1	4	3	2	10	
3	2:13	2	1	3	1	7	
4		-	-	-	-	-	
5		-	-	-	-	-	
6		-	-	-	-	-	
7	2:08	2	3	3	2	10	
8	2:17	2	1	3	3	9	
9	5:05	1	0	3	1	5	*
10	1:23	3	2	0	2	7	
11	2:35	2	2	3	1	8	
12		-	-	-	-	-	
13	2:30	1	0	4	0	5	
14	1:52	2	2	7	2	13	
15	3:00	1	2	5	2	10	
16		-	-	-	-	-	
17	2:46	2	2	3	1	8	
18		-	-	-	-	-	
19	4:33	3	2	2	2	9	
20	2:35	3	1	3	0	7	
21	4:13	3	1	3	1	8	
22	3:11	2	2	5	4	13	
23	3:42	2	2	4	2	10	
24		-	-	-	-	-	
25	1:50	2	0	3	2	7	
26	2:17	1	1	4	2	8	
27		-	-	-	-	-	
28	3:36	0	1	3	1	5	
29		-	-	-	-	-	
30	2:49	4	2	3	2	11	
31	1:34	4	2	2	0	8	
Sum		47	34	72	37	190	
			81		109		
Mean			3.7		5.0	8.6	

Days 22 \* - Contrast is bad

8cm Prominencescope  
H-alpha 6563A (Hbw. 2.0A )

PRINCIPAL PROMINENCE ( Jan. 1982 )

Date	Time	Type	Latitude	Altitude
	U. T.	1 - 6		(ten thousand Km)
1	2h19m	4	S 49 W	8.5
2	1:55	3	S 23 W	5.1
7	2:08	2	N51-53W	8.8
7	2:08	1	S24-32E	7.4
7	2:08	5	S32-40W	5.0
8	2:17	1	S20-31E	5.1
8	2:17	2	S28-33W	7.0
8	2:17	2	S36-40W	5.8
10	1:23	5	N22-32E	6.4
10	1:23	4	N 18 W	5.5
13	2:30	6	S24-32E	8.4
14	1:52	2	S38-42E	6.4
15	3:00	2	S46-48E	7.1
17	2:46	5	N-2- 6W	5.7
17	2:46	2	S39-44E	5.1
20	2:35	1	S33-43E	6.5
21	4:13	1	S26-43E	9.5
22	3:11	2	S26-35E	10.2
23	3:42	2	S33-38E	7.5
26	2:17	2	N20-27E	5.0
26	2:17	5	S58-63W	5.6
28	3:36	1	N37-43W	5.0
30	2:49	2	N33-36W	8.3
31	1:34	2	N33-35W	9.2
31	1:34	4	S 6 E	5.6

25 (1)

H-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
26	2h34m	S 2- 5	W48-55	1f	N4648 D

PROMINENCE ( Feb. 1982 )

Date	Time	N		S		Total	Rem.
		W	E	W	E		
1		-	-	-	-	-	
2	1h12m	1	0	1	0	2	
3		-	-	-	-	-	
4		-	-	-	-	-	
5	1:45	4	4	3	4	15	
6	1:54	3	1	3	1	8	
7	0:25	2	1	2	2	7	
8	1:29	2	2	6	3	13	
9	3:26	3	1	3	1	8	
10	4:56	1	1	1	1	4	
11	4:01	2	1	4	1	8	
12	2:13	2	0	3	2	7	
13	0:14	4	1	2	3	10	
14	3:28	4	1	3	1	9	
15	2:27	2	0	3	3	8	
16	3:32	1	2	2	3	8	
17		-	-	-	-	-	
18		-	-	-	-	-	
19		-	-	-	-	-	
20		-	-	-	-	-	
21		-	-	-	-	-	
22	2:50	2	2	2	3	9	
23	3:24	4	2	1	1	8	
24		-	-	-	-	-	
25	2:48	3	1	4	1	9	
26	1:08	4	3	3	1	11	
27	2:08	4	2	4	4	14	
28	0:19	2	0	4	2	8	
Sum		50	25	54	37	166	
		75		91			
Mean		3.9		4.8		8.7	

Days 19

8cm Prominencescope  
H-alpha 6563A (Hbw. 2.0A )

PRINCIPAL PROMINENCE ( Feb. 1982 )

Date	Time	Type	Latitude	Altitude
	U. T.			
2	1h12m	5	N26-40E	6.3
5	1:45	4	N 17 E	5.6
5	1:45	4	N 29 W	6.1
5	1:45	4	S 3 E	5.7
5	1:45	4	S 2 W	6.4
6	1:54	6	N23-27W	5.9
7	0:25	4	N 32 E	6.6
7	0:25	5	S17-26W	6.5
8	1:29	4	S24-25E	7.0
8	1:29	2	S28-35E	5.7
✓9	5:00	2	S 8-16W	40.0
✓9	5:12	2	N11-13W	30.0
10	4:56	5	S15-22E	5.6
10	4:56	4	S 5 W	5.9
11	4:01	6	S11-20E	8.4
12	2:13	2	S12-14E	7.5
13	0:14	5	N33-40E	7.4
13	0:14	2	S 8-19E	6.5
14	3:28	2	N35-37E	13.7
15	2:27	6	N33-39E	18.6
15	2:27	2	S19-21W	7.4
16	3:32	2	S19-22W	5.4
22	2:50	1	N20-38E	6.4
23	3:24	6	N17-18E	10.1
23	3:24	5	N23-38E	6.5
25	2:48	5	N35-42E	5.1
25	2:48	6	N 1- 5W	9.7
26	1:08	4	N 3- 4E	5.8
26	1:08	6	N 1- 9W	6.9
27	2:08	2	N-2- 4E	10.2
27	2:08	6	N42-46E	9.2
28	0:19	2	S11-13E	5.0

数字入内子

H-alpha Brightening

30 (4)

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
14	3h28m	S12-13	W62-63	--	S3934 F
14	4:13	N16-17	E 1- 2	--	N4668 J
14	4:13	S 7- 8	W51-52	--	S3934 F
16	3:32	N10-11	E65-67	Sf	N4674 D
27	2:58	S10-15	E22-24	lf	S3948 B

PROMINENCE (Mar. 1932 )

Date	Time	N		S		Total	Rem.
		U.	T.	E	W		
1		-	-	-	-	-	
2		-	-	-	-	-	
3	0h55m	2	1	3	2	8	
4	3:52	3	0	1	3	7	
5		-	-	-	-	-	
6		-	-	-	-	-	
7	0:59	1	0	3	2	6	
8	3:45	2	2	4	3	11	
9	1:56	5	0	4	2	11	
10	0:18	1	0	2	3	6	
11	0:51	2	1	3	4	10	
12		-	-	-	-	-	
13	0:09	2	0	4	1	7	
14	3:23	2	2	5	4	13	
15		-	-	-	-	-	
16	2:12	3	3	5	4	15	
17	1:23	2	2	1	1	6	
18	2:22	2	1	2	2	7	
19	1:07	2	4	5	1	12	
20		-	-	-	-	-	
21		-	-	-	-	-	
22		-	-	-	-	-	
23	1:47	2	0	4	3	9	
24	1:16	2	0	4	4	10	
25	- 08	0	1	2	0	3	*
26	3:57	4	1	3	2	10	
27	2:52	3	2	3	5	13	
28	0:13	2	1	3	2	8	
29	0:09	2	0	2	1	5	
30	0:45	2	0	4	3	9	*
31	4:41	0	0	3	2	5	
Sum		46	21	70	54	191	
		67		124			
Mean		3.0		5.6		8.7	

Days 22 \* - Contrast is bad

8cm Prominencescope  
H-alpha 6563A

PRINCIPAL PROMINENCE ( Mar. 1982 )

Date	Time	Type	Latitude	Altitude
	U. T.	1 - 6		(ten thousand Km)
3	0h55m	6	S11-17E	5.2
4	3:52	2	N40-47E	8.4
7	0:59	2	S39-45W	9.4
8	3:45	2	N 6-11E	7.5
8	3:45	2	S42-49W	8.4
8	3:45	6	N16-18W	7.1
9	1:56	4	S 56 E	5.2
10	0:18	6	N 2- 4E	6.0
11	0:51	6	N 4- 7E	8.2
11	0:51	5	S32-38W	5.0
13	0:09	5	S38-44W	6.9
14	3:23	1	S31-40E	6.4
14	3:23	5	S41-48W	5.6
18	2:22	1	S50-53E	9.3
19	1:07	5	N40-44W	5.0
19	1:07	6	S33-45E	11.6
23	1:47	5	S47-50E	5.1
23	1:47	3	S 6 W	7.4
24	1:16	2	S48-50W	8.4
24	23:52	2	S37-40E	15.0
27	2:52	5	S51-56W	6.2

Z / (2)

H-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
8	4h31m	S16-17	W47-48	-	S3951 E
16	2:12	N12-13	E35-36	-	N4694 J

PROMINENCE (Apr. 1932)

Date	Time	N		S		Total	Rem.
		E	W	E	W		
1	0h56m	6	2	5	2	15	
2		-	-	-	-	-	
3		-	-	-	-	-	
4	3:43	1	0	2	5	3	
5	0:22	1	1	5	3	10	
6	0:21	1	1	0	2	4	
7		-	-	-	-	-	
8		-	-	-	-	-	
9		-	-	-	-	-	
10	5:30	2	0	5	4	11	
11	4:16	1	0	4	4	9	
12	3:32	1	1	5	2	9	
13		-	-	-	-	-	
14		-	-	-	-	-	
15		-	-	-	-	-	
16	1:55	5	4	7	3	19	
17	2:41	0	0	3	1	4	*
18	3:49	1	0	3	2	6	
19	4:00	3	1	4	1	9	
20	3:22	2	0	3	2	7	
21		-	-	-	-	-	
22	3:37	1	1	3	1	6	
23	3:03	4	1	3	1	9	
24	4:43	0	0	2	2	4	*
25	-1:13	0	0	0	1	1	*
26		-	-	-	-	-	
27	3:53	1	1	2	4	8	
28	3:44	2	1	2	3	8	
29		-	-	-	-	-	
30		-	-	-	-	-	
Sum		32	14	58	43	147	
		45		101			
Mean		2.6		5.6		8.2	

Days 18 \* - Contrast is bad

8cm Prominencescope  
H-alpha 6563A

PRINCIPAL PROMINENCE (Apr. 1982)

Date	Time	Type	Latitude	Altitude
	U. T.	1--6		(ten thousand Km)
1	0h56m	6	N13--27E	5.6
4	3:43	5	S35--45W	6.2
5	0:22	2	S43--46W	8.3
10	5:30	5	S31--45E	5.8
10	5:30	4	S 40 W	6.4
11	4:16	5	N33--39E	5.7
11	4:16	6	S45--49W	8.4
12	3:32	2	N35--39E	9.2
16	1:55	2	N23--26E	5.7
18	3:49	4	N 10 E	7.4
23	3:03	2	N 0- 6W	8.8
23	3:03	5	S30--45W	7.3
24	4:48	2	S34--37W	10.4
24	22:47	2	S36--38W	10.1
28	3:44	1	N 8-17E	5.3
28	3:44	2	N23--25W	7.3
28	3:44	4	S49--50E	5.2
28	3:44	5	S54--60W	5.7

18(2)

H-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
1	1:29	N 1- 2	E79-80	-	N4709 J
1	1:29	S21-24	W 0-12	lf	S3971 C
1	1:29	S19-20	E53-56	Sf	S3977 C
4	4:14	S12-13	W44-53	lf	-
18	4:03	S10-12	E81-86	lf	S3990 C
18	4:03	S 17	W 3	-	S3989 D
19	4:27	S 8-10	W24-25	Sn	S3989 D



PROMINENCE ( May 1982 )

Date	Time	N		S		Total	Rem.;
		U. T.	E	W	E		
1			-	-	-	-	
2			-	-	-	-	
3			-	-	-	-	
4	3h05m		2	0	3	2	7
5	4:04		4	0	3	0	7
6			-	-	-	-	
7	3:56		0	0	2	3	5
8	3:42		0	1	6	3	10
9	4:02		0	1	3	4	8
10			-	-	-	-	
11	3:47		4	0	4	2	10
12	4:07		2	1	2	2	7
13	4:07		1	0	1	2	4
14			-	-	-	-	
15			-	-	-	-	
16			-	-	-	-	
17	2:57		3	2	4	4	13
18			-	-	-	-	
19	0:14		0	1	2	1	4
20			-	-	-	-	
21	3:50		0	0	4	0	4
22	2:53		0	0	3	0	3
23	0:07		1	0	5	4	10
24	4:09		0	0	0	4	4
25	0:33		1	0	3	1	5
26	0:05		1	2	3	2	8
27	1:51		4	1	1	4	10
28	1:54		2	1	1	3	7
29			-	-	-	-	
30			-	-	-	-	
31	0:51		0	0	2	1	3
Sum			25	10	52	42	129
			35		94		
Mean			1.8		5.0		6.8

Days 19 \* - Contrast is bad

8cm Prominencescope  
H-alpha 6563A

PRINCIPAL PROMINENCE ( MAY 1982 )

Date	Time	Type	Latitude	Altitude
5	4h04m	2	S33-39E	5.1
5	4:04	4	S 46 E	10.2
7	3:56	5	S34-55E	6.5
8	3:42	5	S31-46E	8.4
9	4:02	5	S27-50E	7.4
11	3:47	6	N 2- 5E	6.6
11	3:47	5	S52-56E	5.1
12	4:07	2	N10-12E	8.7
13	4:07	4	N10-11E	6.3
17	2:57	4	N32-33E	5.6
17	2:57	2	N 3- 8W	8.4
17	2:57	4	S 56 E	5.6
21	3:50	5	S13-28E	5.1
22	2:53	5	S15-27E	5.5
23	0:07	1	S23-29E	8.4
23	0:07	5	S14-49E	5.5
23	0:07	4	S 45 W	5.5
26	0:05	5	N 2-11W	5.4

18 (1)

4-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		U. T.	Latitude		
4	3h05m 3:41	S 5- 8	E45-50	1n	S3995 C
<del>23</del>	<del>0:33</del>	<del>S11-12</del>	<del>W41-46</del>	<del>1n</del>	<del>キズ</del>

PROMINENCE ( Jun. 1982 )

Date	Time	N		S		Total	Rem.
		E	W	E	W		
1		-	-	-	-	-	-
2		-	-	-	-	-	-
3		-	-	-	-	-	-
4	2h42m	2	3	1	3	9	
5		-	-	-	-	-	-
6	4:20	3	0	5	6	14	
7		-	-	-	-	-	-
8	3:37	3	0	5	2	10	
9	2:41	3	0	6	1	10	
10		-	-	-	-	-	-
11		-	-	-	-	-	-
12	3:29	4	1	5	1	11	
13		-	-	-	-	-	-
14		-	-	-	-	-	-
15	2:40	0	1	3	3	7	
16		-	-	-	-	-	-
17	2:53	2	2	4	0	8	
18		-	-	-	-	-	-
19	4:16	1	2	2	1	6	
20		-	-	-	-	-	-
21	3:09	2	0	2	2	6	
22	0:17	1	0	3	5	9	
23		-	-	-	-	-	-
24		-	-	-	-	-	-
25	3:36	1	3	1	4	9	
26		-	-	-	-	-	-
27	4:12	4	2	1	6	13	
28	3:58	2	6	1	6	15	
29	2:57	2	2	4	7	15	
30	2:52	1	1	2	3	7	
Sum		31	23	45	50	149	
			54		95		
Mean			3.6		6.3	9.9	

Days 15

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

PRINCIPAL PROMINENCE ( Jun. 1982 )

Date	Time	Type	Latitude	Altitude
	U. T.	1 - 6		(ten thousand Km)
4	2h42m	5	S37-51W	5.2
6	2:51	2	S40-46E	7.4
8	3:37	5	S43-47E	6.5
8	3:37	5	S 9-18W	5.0
12	3:29	3	N10-15E	5.5
12	3:29	5	N28-34W	6.4
12	3:29	6	S26-28E	6.0
15	2:40	5	N23-28W	5.1
17	2:53	2	N48-50W	5.7
25	3:36	1	N34-53W	8.8
27	4:12	5	N30-50W	7.9
27	4:12	3	N15-22W	5.6
28	3:58	4	N14-15W	11.2
28	3:58	3	S 5- 8W	25.1
28	3:58	4	S 14 W	8.4
28	3:58	6	S18-23W	7.6
28	3:58	2	S50-54W	7.0
29	2:57	5	N21-31E	5.5
29	2:57	4	N 18 W	5.5
29	2:57	3	S 8- 9E	5.9
29	2:57	6	S18-24W	8.4
29	2:57	2	S 0- 3W	5.6

22 (2)

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

PROMINENCE (Jul. 1982 )

Date	Time	N		S		Total	Rem.
		E	W	E	W		
1	3h49m	0	2	2	4	8	
2	0:05	4	2	0	4	10	
3	1:40	1	3	4	6	14	
4	1:42	2	3	2	4	11	
5	0:25	1	2	6	3	12	
6	3:45	1	1	6	1	9	
7		-	-	-	-	-	
8	1:33	3	0	3	3	9	
9		-	-	-	-	-	
10	2:26	2	3	5	3	13	
11	0:11	5	1	3	5	14	
12		-	-	-	-	-	
13		-	-	-	-	-	
14		-	-	-	-	-	
15	2:20	3	2	3	0	8	
16		-	-	-	-	-	
17		-	-	-	-	-	
18		-	-	-	-	-	
19		-	-	-	-	-	
20		-	-	-	-	-	
21	3:47	0	5	2	1	8	
22	1:53	0	1	2	2	5	
23	2:43	1	4	1	6	12	
24		-	-	-	-	-	
25		-	-	-	-	-	
26		-	-	-	-	-	
27	4:18	1	1	2	2	6	
28		-	-	-	-	-	
29	0:00	2	2	1	6	11	
30	4:59	1	1	1	6	9	
31	2:15	1	1	1	6	9	
Sum		28	34	44	62	168	
			62		106		
Mean			3.6		6.2	9.9	

Days 17

3cm Prominencescope  
H-alpha 6563A ( Hbw. 4.0A )

PRINCIPAL PROMINENCE ( Jul. 1982 )

Date	Time	Type	Latitude	Altitude
U. T.	1 - 6			(ten thousand)
1	3h49m	1	N 8-17W	7.4
1	3:49	4	S 54 W	6.5
2	0:05	1	N16-18W	8.2
3	1:40	5	N 7-17W	7.1
6	3:45	2	N17-19W	7.4
6	3:45	2	S50-55E	5.4
8	1:38	5	N39-56E	5.5
8	1:38	3	N11-20E	7.0
8	1:38	4	N 6 E	6.9
8	1:38	5	S53-62E	6.7
10	2:26	5	N38-53E	7.4
10	2:26	4	S 49 E	5.5
10	2:26	2	S57-59E	5.8
10	2:26	6	S+2- 5W	5.4
11	0:11	5	N36-53E	7.5
11	0:11	3	N17-31E	9.1
11	0:11	3	N 14 E	7.1
11	0:11	3	N11-12E	8.1
11	0:11	5	N26-33W	6.7
15	2:20	5	N40-45W	5.0
21	3:47	5	N28-37W	5.6
21	3:47	2	N15-19W	10.7
21	3:47	3	N10-14W	5.6
21	3:47	5	S54-58W	5.7
22	1:53	2	N12-16W	13.8
22	1:53	5	S51-59W	6.6
23	2:43	4	N19-20W	7.2
23	2:43	5	S50-59W	5.7
27	4:18	1	S15-18W	6.6
30	4:59	5	N18-28W	5.0
30	4:59	6	S47-50W	6.4
30	4:59	5	S+3- 9W	6.6
31	2:15	5	N14-32W	5.7
31	2:15	6	S48-50W	7.3

H-alpha Brightening

34 (2)

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
21	3h47m 4:12	S18-20	E70-72	Sn	S4049 A

PROMINENCE (Aug. 1982)

Date	Time	N		S		Total	Rem
		U.	T.	E	W		
1		-	-	-	-	-	
2	1h10m	3	1	1	0	5	
3		-	-	-	-	-	
4	4:05	4	0	4	3	11	
5		-	-	-	-	-	
6	2:40	1	4	4	0	9	
7	0:33	3	1	3	0	7	
8	4:17	2	2	2	0	6	
9	3:16	1	1	3	0	5	
10	3:42	1	1	2	1	5	
11	3:21	1	1	1	1	4	
12		-	-	-	-	-	
13	4:03	0	2	4	0	6	
14		-	-	-	-	-	
15		-	-	-	-	-	
16		-	-	-	-	-	
17		-	-	-	-	-	
18	4:09	2	1	1	3	7	
19	3:23	3	3	0	4	10	
20	2:56	1	4	1	5	11	
21	2:49	1	2	0	2	5	*
22		-	-	-	-	-	
23	3:14	1	2	1	3	7	
24	-1:59	1	4	1	3	9	
25		-	-	-	-	-	
26	0:52	2	1	0	4	7	
27		-	-	-	-	-	
28	1:20	2	0	2	2	6	
29		-	-	-	-	-	
30		-	-	-	-	-	
31	2:14	3	1	0	2	6	
Sum			32	31	30	33	126
			63		63		
Mean			3.5		3.5		7.0

Days 18

\* - Contrast is bad

3cm Prominencescope  
H-alpha 6563A (Hbw. 4.0A)

PRINCIPAL PROMINENCE ( Aug. 1982 )

Date	Time	Type	Latitude	Altitude
	U. T.	1 - 6		(ten thousand Km)
2	1h10m	2	N21-25E	7.6
2	1:10	2	N15-21W	8.4
4	4:05	4	N17-18E	11.1
5	3:34	4	N 12 E	5.4
7	0:33	5	N21-40W	5.6
8	4:17	6	N35-46E	7.2
8	4:17	2	N25-29W	6.5
8	4:17	2	S56-58E	7.4
18	4:09	2	N21-24E	7.2
18	4:09	6	N11-22W	9.1
18	4:09	4	S 49 W	6.4
18	4:09	4	S 46 W	5.0
19	3:23	2	N21-23E	5.9
19	3:23	6	N11-21W	11.1
19	3:23	4	N 10 W	10.4
19	3:23	6	S56-59W	5.8
19	3:23	5	S43-52W	6.0
20	2:56	2	N23-26W	10.0
20	2:56	2	S38-41W	9.5
20	2:56	2	S 6-10W	5.6
23	3:14	6	N 5-11W	7.4
23	22:01	6	N 5-10W	19.5
23	22:01	4	S 15 W	13.8
28	1:20	2	N10-18E	20.5
31	2:14	1	N 7-19E	5.0
31	2:14	3	N21-24W	7.0

26(7)

H-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
18	4h09m	S11-12	W35-36	-	S4062 E
18	4:09	S11-12	E31-32	-	S4064 C
19	3:23	S12-13	E65-69	Sn	S4064 D
31	2:14	N10-11	E30-34	ln	N4735 C



PROMINENCE (Sep. 1982)

Date	Time	N		S		Total	Rem
		E	W	E	W		
1	3h17m	1	2	4	1	8	
2		-	-	-	-	-	
3		-	-	-	-	-	
4	3:51	4	1	2	0	7	
5	2:39	2	0	4	0	6	
6		-	-	-	-	-	
7		-	-	-	-	-	
8		-	-	-	-	-	
9		-	-	-	-	-	
10		-	-	-	-	-	
11		-	-	-	-	-	
12		-	-	-	-	-	
13	0:34	4	3	4	1	12	
14		-	-	-	-	-	
15	3:29	2	4	0	2	8	
16		-	-	-	-	-	
17	1:51	2	2	3	4	11	
18		-	-	-	-	-	
19		-	-	-	-	-	
20		-	-	-	-	-	
21	1:10	2	3	0	2	7	
22	3:10	0	0	1	0	1	
23		-	-	-	-	-	
24		-	-	-	-	-	
25		-	-	-	-	-	
26	2:57	2	1	1	2	6	
27	0:01	3	4	2	3	12	
28		-	-	-	-	-	
29	4:44	1	3	1	3	8	
30		-	-	-	-	-	
Sum		23	23	22	18	86	
		45		40			
Mean		4.2		3.6		7.8	

Days 11

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

(87)

PRINCIPAL PROMINENCE (Sep. 1982)

Date	Time	Type	Latitude		Altitude (ten thousand Km)
	U. T.		1 - 6	8	
4	3h51m	5	N11-17E		5.9
4	3:51	6	S50-53E		8.2
5	2:39	5	N 0-13E		7.5
5	2:39	2	S52-55E		9.1
15	3:29	5	N50-53W		8.2
17	1:51	1	N15-23W		11.2
21	1:10	2	N40-46W		11.0
26	2:57	1	S55-58W		6.3
27	0:01	4	S 46 W		8.4
29	4:44	5	N-4-16E		5.6

10 (2)

H-alpha Brightening

Date	Time U. T.	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
4	3h51m-4h50m	N 6-17	E18-45	3n	N4787 C N4788 D

Filament

Date	Time U. T.	Helio. Position		Group NO. and Type
		Latitude	Mer. Dist.	
1	3h17m-3h26m	N 9	E13	N4785 C

PROMINENCE (Oct. 1932)

Date	Time	N		S		Total	Rem.
		E	W	E	W		
1	2h20m	3	4	2	1	10	
2		-	-	-	-	-	
3	2:41	3	1	2	2	8	
4	0:01	3	1	2	1	7	
5	4:30	1	1	2	1	5	
6		-	-	-	-	-	
7	2:27	1	3	0	2	6	
8		-	-	-	-	-	
9		-	-	-	-	-	
10	3:28	1	2	1	1	5	
11		-	-	-	-	-	
12	3:49	0	3	4	1	8	
13	3:44	3	1	2	0	6	
14	3:59	5	1	3	2	11	
15	3:33	3	1	1	1	6	
16		-	-	-	-	-	
17	3:49	2	3	3	3	11	
18	3:32	1	4	2	2	9	
19		-	-	-	-	-	
20	2:21	7	0	3	1	11	
21	3:45	5	0	1	0	6	
22	2:06	2	0	5	4	11	
23	0:07	4	1	2	2	9	
24		-	-	-	-	-	
25	2:36	1	1	1	0	3	
26	1:29	1	0	2	1	4	
27	0:00	2	0	3	2	7	
28	0:27	3	2	1	5	11	
29	1:01	2	0	1	1	4	
30	3:42	2	4	1	2	9	
31	3:19	4	2	1	3	10	
Sum		59	35	45	38	177	
		94		33			
Mean		4.1		3.6		7.7	

Days 25

3cm ProminenceScope  
H-alpha 6563A (Hbw. 4.0A)

PRINCIPAL PROMINENCE (Oct. 1982)

Date	Time U. T.	Type 1 - 6	Latitude		Altitude (ten thousand Km)
1	2h20m	6	N23--27W		8.2
1	2:20	5	S23--32W		6.0
3	2:41	5	S45--50E		8.4
3	2:41	5	S24--30W		7.3
4	0:01	2	S46--49E		9.3
5	4:30	2	S48--52E		8.8
12	3:49	1	N 0--15W		6.5
13	3:44	5	N-3--22W		5.7
13	3:44	2	S53--57E		5.7
15	3:33	5	S20--28E		6.5
17	3:49	2	N33--43W		7.4
17	3:49	6	N 7-- 9W		6.5
17	3:49	2	S26--29E		9.5
17	3:49	6	S 0-- 2W		6.0
18	3:32	6	N 6--10W		8.3
18	3:32	2	S30--32E		11.3
20	2:21	6	N 11 E		5.6
20	2:21	4	S 9 E		5.5
23	0:07	6	S32--37E		6.6
25	2:36	1	N 2--11E		5.6
26	1:29	5	N-5--10E		6.4
29	1:06	5	N20--41E		5.7
30	3:42	5	N26--38E		5.7
30	3:42	6	N 2-- 9W		5.4
31	3:19	6	N 2-- 6W		6.4

H-alpha Brightening

25 (1)

Date	Time U. T.	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
29	1h34m	N10-11	W17-20	Sf	N4826 C

Filament

Date	Time U. T.	Helio. Position		Group NO. and Type
		Latitude	Mer. Dist.	
29	1h34m	N 9	W15	N4826 C

PROMINENCE (Nov. 1982)

Date	Time	N		S		Total	Rem.
		E	W	E	W		
1		-	-	-	-	-	-
2	3h47m	3	3	1	3	10	
3	3:22	2	5	4	1	12	
4	3:19	3	2	3	2	10	
5		-	-	-	-	-	
6	0:48	1	5	3	5	14	
7		-	-	-	-	-	
8	3:07	1	2	3	1	7	
9		-	-	-	-	-	
10		-	-	-	-	-	
11	4:49	0	1	2	5	8	
12	1:54	6	1	2	3	12	
13	2:41	2	2	3	3	10	
14	1:20	3	3	1	3	10	
15		-	-	-	-	-	
16		-	-	-	-	-	
17		-	-	-	-	-	
18	3:28	0	1	2	2	5	
19		-	-	-	-	-	
20	3:28	2	4	7	1	14	
21	2:09	3	0	0	3	6	
22		-	-	-	-	-	
23		-	-	-	-	-	
24		-	-	-	-	-	
25	3:21	2	3	2	2	9	
26	2:26	2	2	3	3	10	
27	3:32	4	1	1	3	9	
28	0:50	4	2	0	2	8	
29		-	-	-	-	-	
30		-	-	-	-	-	
Sum		38	37	37	42	154	
		75		79			
Mean		4.7		4.9		9.6	

Days 16

Scm Prominencescope  
H-alpha 6563A (Hbw. 4.0A)

PRINCIPAL PROMINENCE (Nov. 1932)

Date	Time	Type	Latitude	Altitude
	U. T.	1 - 6		(ten thousand Km)
3	3h22m	6	N26-32W	5.0
6	0:48	6	N15-21E	5.7
6	0:48	6	N74-99W	6.4
8	3:07	1	N-2-13W	6.6
12	1:54	5	S19-27E	5.4
12	1:54	2	S 8-10W	7.2
13	2:41	2	N41-43E	6.4
14	1:20	2	N38-40E	7.5
14	1:20	5	N35-42W	6.5
20	3:28	6	N23-27W	5.3
21	2:09	5	N 2-14E	7.4
25	3:21	5	N17-29E	5.5
25	3:21	5	N34-39W	5.1
25	3:21	2	S17-19E	6.5
26	2:26	5	N22-35E	5.1
26	2:26	5	N27-38W	5.2
26	2:26	1	S 0- 9W	7.4
26	2:26	6	S28-32W	5.5
27	3:32	2	S17-23E	7.5
27	3:32	3	S 6-12W	9.3

20(0)

H-alpha Brightening

Date	Time	Helio. Position		Imp.	Group NO. and Type
		Latitude	Mer. Dist.		
3	3h58m-4h05m	N 5	W 52	Sf	N4830 D
4	3h53m	S10-11	W61-63	Sf	S4109 B
13	2h41m-3h39m	S13-15	E18-25	1b-1f	S4120 B
26	2h51m-3h09m	S10-13	W88-90	1n	S4122 C

PROMINENCE (Dec. 1982)

Date	Time	N		S		Total	Rem.
		U. P.	E	W	E		
1	2h24m		3	1	4	2	10
2	2:45		2	2	4	2	10 *
3	3:25		4	3	1	2	10
4	1:50		2	3	1	1	7
5	1:51		6	5	3	1	15
6	3:18		3	3	1	3	10
7	3:21		3	2	2	1	8
8	3:54		1	1	6	2	10
9			-	-	-	-	-
10	3:46		6	1	2	1	10
11			-	-	-	-	-
12	2:16		1	5	4	2	12
13	4:01		1	3	2	1	7
14	3:32		1	3	4	6	14
15	2:55		4	2	3	4	13
16	4:16		3	4	3	1	11
17			-	-	-	-	-
18	1:40		3	2	3	6	14
19	3:55		2	6	3	5	16
20	1:38		2	5	4	7	18
21			-	-	-	-	-
22			-	-	-	-	-
23			-	-	-	-	-
24	1:32		2	2	2	2	8
25			-	-	-	-	-
26			-	-	-	-	-
27			-	-	-	-	-
28	3:43		3	6	7	2	18
29	1:58		3	2	3	2	10
30			-	-	-	-	-
31	2:12		2	1	2	2	7
Sum			57	62	64	55	238
			119		119		
Mean			5.7		5.7		11.3

Days 21

\* - Contrast is bad

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

ERRATUM (単数)  
ERRATA (複数)

5 km 以上 = 279 (1.24)  
10 km 以上 = 28 (0.13)  
Obs. day = 221

PRINCIPAL PROMINENCE (Dec. 1982)

You should read  
正

instead of  
誤

Date	Time U. T.	Type 1 - 6	Latitude	Altitude (ten thousand Km)
3	3h25m	6	N13-19W	8.3
4	1:50	1	S32-38W	6.5
5	1:51	2	S 5- 7E	5.4
5	1:51	5	S35-42W	5.1
7	3:21	5	N45-54W	5.2
8	3:54	4	S 11 E	6.5
8	3:54	2	S29-32E	5.8
8	3:54	3	S14-20W	6.2
10	3:46	2	S26-29E	9.7
12	2:16	5	S23-35E	5.5
14	3:32	5	S26-34E	5.4
14	3:32	6	S13-22W	6.5
14	3:32	6	S26-28W	8.3
15	2:55	4	S 30 W	10.1
18	1:40	2	S 1- 3W	5.1
19	3:55	4	N17-18W	7.5
20	1:38	3	N 3- 7W	9.7
20	1:38	3	N 13 W	12.0
20	1:38	4	N 15 W	6.5
20	1:38	2	S 4- 7E	8.3
28	3:43	4	N 9 E	6.8
28	3:43	6	N30-34W	6.8
28	3:43	6	S 4- 8E	11.8
29	1:58	6	N24-32W	10.0
29	1:58	5	S29-35W	5.5

ERRATUM

H-alpha Brightening (Dec. 1982)

You should read  
Date | Time  
U. T.

10 | 4h29m-4h39m

instead of  
Date | Time  
U. T.

10 | 3h29m-4h39m

ERRATA

H-alpha Brightening (Dec. 1982) 25(4)

Date	Time U. T.	Max.	Helio. Position		Imp.	Group NO. and Type
			Latitude	Mer. Dist.		
4	1h50m		S14-15	W32-33	Sf	S4129 D
7	4h01m		N13	W53	Sf	N4847 C
8	3h54m		N 7-11	E70-81	lf	N4849 E
10	3h46m-5h10m	4h39m	N 5-15	E45-58	2b	N4849 E
10	4h29m-4h39m	4h29m	N 7- 8	W37-42	Sn	N4848 E
14	3h32m-4h11m		N 5-10	W 8-10	lf	N4849 E
28	3h43m-4h14m	4h14m	N 2- 4	W71-73	Sm	N4853 E

Filament

4h29m-4h39m

Date	Time U. T.	Helio. Position		Group NO. and Type
		Latitude	Mer. Dist.	
10	4h29m-5h10m	N12	E45	N4849 E
18	2h20m-2h48m	S11	W21	S4141 D
19	3h55m	S10	W36	S4141 D
28	3h43m	S11	E 6	S4151 H