

PROMINENCE (Jan. 1997)

| Date | Time  | N    |      | S     |    | Total | Rem. |
|------|-------|------|------|-------|----|-------|------|
|      |       | U.   | T.   | E     | W  |       |      |
| 1    | 2h55m | 1    | 0    | 1     | 1  | 3     |      |
| 2    | 4:10  | 2    | 1    | 3     | 2  | 8     |      |
| 3    |       | -    | -    | -     | -  | -     |      |
| 4    | 2:11  | 2    | 0    | 3     | 0  | 5     |      |
| 5    | 1:03  | 1    | 0    | 5     | 0  | 6     | *    |
| 6    |       | -    | -    | -     | -  | -     |      |
| 7    | 2:10  | 2    | 0    | 4     | 1  | 7     |      |
| 8    | 3:11  | 1    | 2    | 3     | 1  | 7     |      |
| 9    | 3:05  | 2    | 1    | 1     | 1  | 5     |      |
| 10   | 4:04  | 1    | 0    | 4     | 0  | 5     |      |
| 11   | 1:52  | 1    | 0    | 2     | 1  | 4     |      |
| 12   | 4:51  | 4    | 4    | 1     | 3  | 12    |      |
| 13   | 1:34  | 1    | 0    | 2     | 2  | 5     |      |
| 14   | 1:27  | 2    | 2    | 1     | 5  | 10    |      |
| 15   | 2:22  | 0    | 2    | 2     | 4  | 8     |      |
| 16   | 2:53  | 0    | 2    | 1     | 1  | 4     |      |
| 17   | 3:24  | 0    | 2    | 0     | 1  | 3     |      |
| 18   | 1:17  | 0    | 3    | 1     | 3  | 7     |      |
| 19   | 2:56  | 0    | 1    | 1     | 4  | 6     |      |
| 20   | 2:55  | 3    | 0    | 1     | 1  | 5     |      |
| 21   |       | -    | -    | -     | -  | -     |      |
| 22   | 6:26  | 0    | 0    | 0     | 1  | 1     |      |
| 23   | 5:02  | 0    | 1    | 0     | 2  | 3     |      |
| 24   |       | -    | -    | -     | -  | -     |      |
| 25   | 2:38  | 0    | 0    | 0     | 2  | 2     |      |
| 26   | 3:56  | 1    | 2    | 0     | 1  | 4     |      |
| 27   | 2:27  | 0    | 1    | 5     | 1  | 7     |      |
| 28   | 2:03  | 0    | 1    | 5     | 3  | 9     |      |
| 29   |       | -    | -    | -     | -  | -     |      |
| 30   |       | -    | -    | -     | -  | -     |      |
| 31   | 5:22  | 1    | 3    | 4     | 3  | 11    |      |
| Sum  |       | 25   | 28   | 50    | 44 |       |      |
|      |       | 53   |      | 94    |    | 147   |      |
| Mean |       | 2.12 | 3.76 | 5.88  |    |       |      |
|      |       | 3.28 | 8.52 | 11.80 |    |       |      |

Days 25 \* - Contrast is bad

8cm Prominencescope  
H-alpha(H.W 0.7A)

PRINCIPAL PROMINENCE (Jan. 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 12   | 4h51m | 6     | N23-24E  | 5.3               |
| 13   | 1:34  | 6     | S 0- 7W  | 5.8               |
| 14   | 1:27  | 4     | S 8 W    | 5.5               |
| 31   | 5:22  | 2     | S42-48E  | 12.9              |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

NONE OBSERVED

PROMINENCE (Feb. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | E    | W  | E    | W  |       |      |
| 1    | 1h55m | 1    | 2  | 3    | 0  | 6     |      |
| 2    |       | -    | -  | -    | -  | -     |      |
| 3    | 4:11  | 2    | 1  | 1    | 1  | 5     |      |
| 4    | 1:31  | 3    | 1  | 1    | 3  | 8     |      |
| 5    | 2:58  | 0    | 1  | 3    | 3  | 7     |      |
| 6    |       | -    | -  | -    | -  | -     |      |
| 7    | 2:47  | 1    | 0  | 1    | 1  | 3     |      |
| 8    | 1:31  | 3    | 2  | 0    | 1  | 6     |      |
| 9    | 2:41  | 0    | 1  | 1    | 2  | 4     |      |
| 10   | 2:20  | 0    | 0  | 1    | 0  | 1     | *    |
| 11   |       | -    | -  | -    | -  | -     |      |
| 12   | 2:02  | 2    | 1  | 1    | 1  | 5     |      |
| 13   | 1:38  | 6    | 2  | 1    | 4  | 13    |      |
| 14   | 2:07  | 5    | 3  | 0    | 3  | 11    |      |
| 15   |       | -    | -  | -    | -  | -     |      |
| 16   |       | -    | -  | -    | -  | -     |      |
| 17   | 1:19  | 5    | 1  | 1    | 2  | 9     |      |
| 18   | 1:32  | 2    | 0  | 1    | 1  | 4     |      |
| 19   | 3:32  | 1    | 3  | 1    | 2  | 7     |      |
| 20   | 2:42  | 1    | 1  | 1    | 2  | 5     |      |
| 21   |       | -    | -  | -    | -  | -     |      |
| 22   | 5:31  | 1    | 4  | 1    | 1  | 7     |      |
| 23   | 1:31  | 3    | 4  | 2    | 2  | 11    |      |
| 24   | 1:31  | 0    | 4  | 0    | 2  | 6     |      |
| 25   | 2:07  | 2    | 1  | 4    | 3  | 10    |      |
| 26   |       | -    | -  | -    | -  | -     |      |
| 27   | 2:49  | 0    | 4  | 4    | 3  | 11    |      |
| 28   | 2:34  | 0    | 2  | 6    | 1  | 9     |      |
| Sum  |       | 38   | 38 | 34   | 38 |       |      |
|      |       | 76   |    | 72   |    | 148   |      |
| Mean |       | 3.62 |    | 3.43 |    | 7.05  |      |

Days 21 <sup>5.14</sup> \* - Contrast is bad <sup>7.28</sup> <sup>12.43</sup>

8cm Prominencescope  
H-alpha(H.W 0.7A)

PRINCIPAL PROMINENCE(Feb. 1997)

| Date  | Time  | Type | Latitude | Altitude          |
|-------|-------|------|----------|-------------------|
| U. T. | 1 - 6 |      |          | (ten thousand Km) |
| 12    | 2h02m | 4    | N 25 W   | 5.7               |
| 18    | 1:32  | 5    | N36-39E  | 5.8               |
| 27    | 2:49  | 5    | S40-44W  | 5.0               |
| 28    | 2:34  | 5    | S 5- 8E  | 5.3               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T. | Max.  | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|---------------|-------|-----------------|------------|------|-----------------------|
|      |               |       | Latitude        | Mer. Dist. |      |                       |
| 20   | 3h51m - 3h55m | 3h53m | N 7             | W 82       | Sf   | N6559 A               |
| 20   | 5:12 - 5:18   | 5:16  | N 5- 7          | W80-85     | 1n   | N6559 A               |

PROMINENCE (Mar. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | U.   | T. | E    | W  |       |      |
| 1    | 6h28m | 2    | 1  | 2    | 1  | 6     |      |
| 2    |       | -    | -  | -    | -  | -     |      |
| 3    | 5:40  | 2    | 1  | 1    | 4  | 8     |      |
| 4    | 4:30  | 1    | 1  | 1    | 2  | 5     |      |
| 5    | 5:03  | 2    | 3  | 2    | 1  | 8     |      |
| 6    | 4:29  | 5    | 2  | 1    | 3  | 11    |      |
| 7    | 4:10  | 4    | 2  | 1    | 1  | 8     |      |
| 8    | 3:50  | 3    | 1  | 0    | 2  | 6     |      |
| 9    | - 20  | 2    | 3  | 0    | 3  | 8     |      |
| 10   | 2:50  | 1    | 2  | 1    | 1  | 5     |      |
| 11   | 3:57  | 1    | 1  | 1    | 3  | 6     |      |
| 12   | 4:06  | 0    | 1  | 3    | 3  | 7     |      |
| 13   |       | -    | -  | -    | -  | -     |      |
| 14   | 2:55  | 0    | 1  | 1    | 6  | 8     |      |
| 15   |       | -    | -  | -    | -  | -     |      |
| 16   |       | -    | -  | -    | -  | -     |      |
| 17   | 1:53  | 1    | 1  | 1    | 5  | 8     |      |
| 18   | 2:30  | 4    | 2  | 1    | 3  | 10    |      |
| 19   |       | -    | -  | -    | -  | -     |      |
| 20   |       | -    | -  | -    | -  | -     |      |
| 21   | 4:20  | 3    | 2  | 2    | 5  | 12    |      |
| 22   | 2:26  | 0    | 0  | 1    | 4  | 5     |      |
| 23   | 1:30  | 1    | 1  | 1    | 4  | 7     |      |
| 24   | 2:21  | 2    | 1  | 0    | 4  | 7     |      |
| 25   | 2:01  | 5    | 0  | 2    | 0  | 7     |      |
| 26   |       | -    | -  | -    | -  | -     |      |
| 27   |       | -    | -  | -    | -  | -     |      |
| 28   | 3:57  | 2    | 0  | 3    | 1  | 6     |      |
| 29   |       | -    | -  | -    | -  | -     |      |
| 30   | 4:14  | 1    | 1  | 1    | 1  | 4     |      |
| 31   | 3:28  | 2    | 1  | 3    | 2  | 8     |      |
| Sum  |       | 44   | 28 | 29   | 59 |       |      |
|      |       | 72   |    | 88   |    | 160   |      |
| Mean |       | 3.27 |    | 4.00 |    | 7.27  |      |
|      |       | 8.68 |    | 8.32 |    | 17.00 |      |
| Days | 22    |      |    |      |    |       |      |

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Mar. 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 3    | 5h40m | 6     | N40-43W  | 5.0               |
| 11   | 3:57  | 5     | S31-39W  | 5.5               |
| 12   | 4:00  | 5     | S34-42W  | 7.5               |
| 12   | 4:00  | 4     | S46-47E  | 5.6               |
| 14   | 2:55  | 5     | N29-34W  | 5.6               |
| 18   | 2:30  | 2     | N34-37E  | 6.0               |
| 18   | 2:30  | 5     | N43-45E  | 5.6               |
| 18   | 2:30  | 5     | N30-33W  | 6.1               |
| 21   | 4:20  | 2     | N33-35E  | 7.4               |
| 21   | 4:20  | 4     | N37-38E  | 5.7               |
| 21   | 4:20  | 5     | S41-43W  | 6.0               |
| 22   | 2:26  | 6     | S36-45W  | 5.4               |
| 22   | 2:26  | 6     | S25-27W  | 7.4               |
| 22   | 2:26  | 6     | S20-21W  | 6.8               |
| 24   | 2:21  | 5     | N33-35E  | 5.8               |
| 31   | 3:28  | 5     | N42-50W  | 7.4               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

NONE OBSERVED

PROMINENCE (Apr. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | E    | W  | E    | W  |       |      |
| 1    | 3h28m | 1    | 2  | 1    | 2  | 6     | *    |
| 2    |       | -    | -  | -    | -  | -     |      |
| 3    |       | -    | -  | -    | -  | -     |      |
| 4    |       | -    | -  | -    | -  | -     |      |
| 5    |       | -    | -  | -    | -  | -     |      |
| 6    |       | -    | -  | -    | -  | -     |      |
| 7    |       | -    | -  | -    | -  | -     |      |
| 8    |       | -    | -  | -    | -  | -     |      |
| 9    | 3:09  | 1    | 1  | 2    | 1  | 5     |      |
| 10   | 1:29  | 1    | 1  | 1    | 3  | 6     |      |
| 11   | 0:15  | 1    | 1  | 1    | 3  | 6     |      |
| 12   | 2:42  | 0    | 1  | 0    | 1  | 2     |      |
| 13   | 1:37  | 3    | 2  | 0    | 2  | 7     |      |
| 14   | 2:37  | 0    | 1  | 2    | 1  | 4     |      |
| 15   |       | -    | -  | -    | -  | -     |      |
| 16   | 3:15  | 3    | 4  | 1    | 3  | 11    |      |
| 17   | 2:52  | 2    | 3  | 1    | 3  | 9     |      |
| 18   |       | -    | -  | -    | -  | -     |      |
| 19   | 2:51  | 0    | 1  | 1    | 3  | 5     |      |
| 20   | - 20  | 1    | 1  | 1    | 3  | 6     |      |
| 21   |       | -    | -  | -    | -  | -     |      |
| 22   |       | -    | -  | -    | -  | -     |      |
| 23   | 6:48  | 0    | 1  | 3    | 1  | 5     |      |
| 24   | 1:56  | 1    | 4  | 3    | 1  | 9     |      |
| 25   | 3:07  | 1    | 2  | 3    | 1  | 7     |      |
| 26   | 3:02  | 1    | 3  | 3    | 1  | 8     |      |
| 27   | 2:51  | 2    | 4  | 1    | 1  | 8     |      |
| 28   |       | -    | -  | -    | -  | -     |      |
| 29   | - 08  | 3    | 3  | 1    | 0  | 7     |      |
| 30   |       | -    | -  | -    | -  | -     |      |
| Sum  |       | 21   | 35 | 25   | 30 |       |      |
|      |       | 56   |    | 55   |    | 111   |      |
|      |       | 6.06 |    | 6.82 |    | 12.88 |      |
| Mean |       | 3.29 |    | 3.24 |    | 6.53  |      |

Days 17 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Apr. 1997)

| Date  | Time  | Type  | Latitude | Altitude          |
|-------|-------|-------|----------|-------------------|
| U. T. |       | 1 - 6 |          | (ten thousand Km) |
| 1     | 3h28m | 2     | N45-47W  | 8.4               |
| 9     | 3:09  | 5     | S44-47E  | 5.7               |
| 10    | 1:29  | 5     | N39-47W  | 5.6               |
| 10    | 1:29  | 2     | S43-46E  | 6.5               |
| 11    | 0:15  | 2     | N37-41W  | 6.4               |
| 11    | 0:15  | 2     | S41-44E  | 5.9               |
| 12    | 2:42  | 2     | N38-40W  | 6.4               |
| 12    | 2:42  | 5     | S44-49W  | 5.7               |
| 13    | 1:37  | 5     | S44-49W  | 5.4               |
| 13    | 1:37  | 6     | S28-29W  | 5.5               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

NONE OBSERVED



PROMINENCE (May 1997)

| Date | Time  | N    |      | S    |      | Total | Rem. |
|------|-------|------|------|------|------|-------|------|
|      |       | U.   | T.   | E    | W    |       |      |
| 1    | 3h59m | 1    | 3    | 1    | 1    | 6     |      |
| 2    | 3:55  | 0    | 1    | 3    | 0    | 4     |      |
| 3    |       | -    | -    | -    | -    | -     |      |
| 4    | 4:25  | 2    | 1    | 2    | 0    | 5     |      |
| 5    | 2:17  | 3    | 1    | 0    | 0    | 4     |      |
| 6    | 3:28  | 1    | 2    | 1    | 1    | 5     |      |
| 7    | 3:15  | 2    | 3    | 1    | 3    | 9     |      |
| 8    |       | -    | -    | -    | -    | -     |      |
| 9    | 3:51  | 0    | 1    | 1    | 4    | 6     |      |
| 10   | 3:22  | 0    | 1    | 2    | 4    | 7     |      |
| 11   |       | -    | -    | -    | -    | -     |      |
| 12   | 3:28  | 1    | 5    | 2    | 1    | 9     |      |
| 13   |       | -    | -    | -    | -    | -     |      |
| 14   |       | -    | -    | -    | -    | -     |      |
| 15   | 7:05  | 0    | 0    | 3    | 2    | 5     |      |
| 16   | 3:52  | 0    | 2    | 3    | 1    | 6     |      |
| 17   | 7:06  | 1    | 1    | 2    | 2    | 6     |      |
| 18   | 4:21  | 0    | 0    | 0    | 2    | 2     | *    |
| 19   | 7:18  | 1    | 1    | 1    | 1    | 4     |      |
| 20   | 3:39  | 1    | 2    | 1    | 1    | 5     |      |
| 21   | 4:35  | 1    | 1    | 1    | 1    | 4     |      |
| 22   | 3:46  | 2    | 1    | 5    | 2    | 10    |      |
| 23   | 5:31  | 3    | 2    | 1    | 3    | 9     |      |
| 24   |       | -    | -    | -    | -    | -     |      |
| 25   | 5:18  | 0    | 1    | 2    | 0    | 3     |      |
| 26   |       | -    | -    | -    | -    | -     |      |
| 27   | 3:50  | 2    | 4    | 3    | 2    | 11    |      |
| 28   | 3:16  | 3    | 3    | 5    | 2    | 13    |      |
| 29   |       | -    | -    | -    | -    | -     |      |
| 30   | 2:50  | 3    | 0    | 1    | 2    | 6     |      |
| 31   | 1:33  | 3    | 2    | 2    | 2    | 9     |      |
| Sum  |       | 30   | 38   | 43   | 37   |       |      |
|      |       | 68   |      | 80   |      | 148   |      |
| Mean |       | 2.96 | 3.48 | 3.48 | 6.43 |       |      |

Days 23 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (May 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 2    | 3h55m | 4     | S 1- 2E  | 5.6               |
| 15   | 7:05  | 2     | S29-32E  | 5.4               |
| 21   | 4:35  | 5     | N30-38E  | 5.1               |
| 22   | 3:46  | 2     | S43-45E  | 5.6               |
| 22   | 3:46  | 2     | S47-50E  | 8.6               |
| 28   | 3:16  | 5     | N42-50E  | 5.5               |
| 30   | 2:50  | 2     | S24-27W  | 5.6               |
| 31   | 1:33  | 4     | N 26 W   | 7.0               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T. | Max.  | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|---------------|-------|-----------------|------------|------|-----------------------|
|      |               |       | Latitude        | Mer. Dist. |      |                       |
| 12   | 4h46m - 5h44m | 5h13m | N18-22          | W 6- 8     | 1n   | N6567 J               |
| 21   | 6:17 - 6:53   | 6:23  | N 3- 4          | W 2- 3     | Sb   | N6569 D               |

PROMINENCE (Jun. 1997)

| Date | Time  | N           |    | S           |    | Total        | Rem. |
|------|-------|-------------|----|-------------|----|--------------|------|
|      |       | E           | W  | E           | W  |              |      |
| 1    | 1h45m | 2           | 0  | 1           | 2  | 5            |      |
| 2    |       | -           | -  | -           | -  | -            |      |
| 3    |       | -           | -  | -           | -  | -            |      |
| 4    |       | -           | -  | -           | -  | -            |      |
| 5    | 3:33  | 1           | 2  | 2           | 1  | 6            |      |
| 6    | 7:00  | 1           | 2  | 3           | 2  | 8            |      |
| 7    | 3:54  | 0           | 2  | 2           | 2  | 6            |      |
| 8    |       | -           | -  | -           | -  | -            |      |
| 9    |       | -           | -  | -           | -  | -            |      |
| 10   | 2:40  | 2           | 4  | 3           | 2  | 11           |      |
| 11   |       | -           | -  | -           | -  | -            |      |
| 12   |       | -           | -  | -           | -  | -            |      |
| 13   | 3:51  | 1           | 1  | 1           | 2  | 5            |      |
| 14   | 2:21  | 1           | 2  | 1           | 3  | 7            |      |
| 15   |       | -           | -  | -           | -  | -            |      |
| 16   |       | -           | -  | -           | -  | -            |      |
| 17   | 3:30  | 1           | 2  | 2           | 0  | 5            |      |
| 18   |       | -           | -  | -           | -  | -            |      |
| 19   | 4:25  | 2           | 5  | 3           | 1  | 11           |      |
| 20   |       | -           | -  | -           | -  | -            |      |
| 21   | 1:30  | 2           | 1  | 3           | 4  | 10           |      |
| 22   |       | -           | -  | -           | -  | -            |      |
| 23   |       | -           | -  | -           | -  | -            |      |
| 24   | 1:37  | 1           | 3  | 1           | 1  | 6            |      |
| 25   | 1:00  | 1           | 1  | 0           | 1  | 3            |      |
| 26   | 2:46  | 2           | 1  | 0           | 1  | 4            |      |
| 27   | 3:14  | 1           | 2  | 2           | 2  | 7            |      |
| 28   |       | -           | -  | -           | -  | -            |      |
| 29   | 0:49  | 2           | 2  | 1           | 0  | 5            |      |
| 30   | 2:22  | 2           | 1  | 1           | 0  | 4            |      |
| Sum  |       | 22          | 31 | 26          | 24 |              |      |
|      |       | 53          |    | 50          |    | 103          |      |
| Mean |       | <i>3.67</i> |    | <i>3.00</i> |    | <i>12.69</i> |      |
|      |       | 3.31        |    | 3.13        |    | 6.44         |      |

Days 16

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Jun. 1997)

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| Date  | Time  | Type  | Latitude | Altitude          |
|-------|-------|-------|----------|-------------------|
| U. T. |       | 1 - 6 |          | (ten thousand Km) |
| 13    | 3h51m | 5     | S47-51W  | 5.0               |
| 14    | 2:21  | 5     | S44-49W  | 5.0               |
| 19    | 4:25  | 5     | N28-33E  | 5.7               |
| 19    | 4:25  | 4     | S36-37W  | 6.3               |
| 21    | 1:30  | 5     | S44-47E  | 5.5               |
| 21    | 1:30  | 5     | S35-39W  | 5.6               |
| 24    | 1:37  | 5     | N36-44W  | 8.8               |
| 27    | 3:14  | 4     | S 34 W   | 6.0               |
| 29    | 0:49  | 6     | N23-24W  | 6.5               |

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SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

NONE OBSERVED

PROMINENCE (Jul. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | U.   | T. | E    | W  |       |      |
| 1    | 4h33m | 1    | 2  | 2    | 3  | 8     |      |
| 2    |       | -    | -  | -    | -  | -     |      |
| 3    | 4:28  | 1    | 1  | 0    | 1  | 3     | *    |
| 4    | 6:14  | 2    | 1  | 1    | 4  | 8     |      |
| 5    | 5:39  | 2    | 1  | 2    | 2  | 7     |      |
| 6    | 5:23  | 3    | 1  | 1    | 1  | 6     |      |
| 7    |       | -    | -  | -    | -  | -     |      |
| 8    |       | -    | -  | -    | -  | -     |      |
| 9    |       | -    | -  | -    | -  | -     |      |
| 10   |       | -    | -  | -    | -  | -     |      |
| 11   |       | -    | -  | -    | -  | -     |      |
| 12   |       | -    | -  | -    | -  | -     |      |
| 13   | 6:16  | 0    | 4  | 1    | 2  | 7     |      |
| 14   | 3:10  | 1    | 2  | 0    | 1  | 4     |      |
| 15   | 7:01  | 2    | 3  | 0    | 4  | 9     |      |
| 16   |       | -    | -  | -    | -  | -     |      |
| 17   |       | -    | -  | -    | -  | -     |      |
| 18   | 4:12  | 1    | 2  | 1    | 1  | 5     |      |
| 19   | 3:02  | 1    | 2  | 1    | 2  | 6     |      |
| 20   | 4:26  | 0    | 4  | 1    | 1  | 6     |      |
| 21   | 1:04  | 2    | 2  | 1    | 1  | 6     |      |
| 22   | 4:28  | 2    | 2  | 1    | 1  | 6     |      |
| 23   | 2:12  | 2    | 0  | 1    | 3  | 6     |      |
| 24   | 4:29  | 3    | 1  | 1    | 0  | 5     |      |
| 25   | 2:32  | 2    | 2  | 0    | 1  | 5     |      |
| 26   |       | -    | -  | -    | -  | -     |      |
| 27   | 6:36  | 1    | 0  | 1    | 0  | 2     |      |
| 28   |       | -    | -  | -    | -  | -     |      |
| 29   |       | -    | -  | -    | -  | -     |      |
| 30   | 4:47  | 0    | 1  | 2    | 3  | 6     | *    |
| 31   | 2:49  | 0    | 2  | 2    | 4  | 8     |      |
| Sum  |       | 26   | 33 | 19   | 35 |       |      |
|      |       | 59   |    | 54   |    | 113   |      |
| Mean |       | 4.21 |    | 7.00 |    | 13.21 |      |
|      |       | 3.11 |    | 2.84 |    | 5.95  |      |

Days 19 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Jul. 1997)

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| Date  | Time  | Type  | Latitude | Altitude          |
|-------|-------|-------|----------|-------------------|
| U. T. |       | 1 - 6 |          | (ten thousand Km) |
| 3     | 4h28m | 5     | S43-46W  | 5.6               |
| 4     | 6:14  | 5     | S42-47W  | 6.6               |
| 5     | 5:39  | 5     | S44-48W  | 5.8               |
| 19    | 3:02  | 5     | S47-52E  | 5.7               |
| 20    | 4:26  | 2     | N36-38W  | 5.6               |
| 20    | 4:26  | 5     | S46-54E  | 5.5               |
| 22    | 4:28  | 5     | N39-45E  | 8.2               |
| 23    | 2:12  | 2     | N42-44E  | 5.6               |
| 23    | 2:12  | 5     | N49-52E  | 5.6               |
| 23    | 2:12  | 2     | S44-46W  | 6.0               |

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SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

NONE OBSERVED

PROMINENCE (Aug. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | E    | W  | E    | W  |       |      |
|      | U. T. |      |    |      |    |       |      |
| 1    | 3h02m | 0    | 6  | 1    | 4  | 11    |      |
| 2    | 1:46  | 1    | 2  | 1    | 1  | 5     |      |
| 3    | 2:12  | 3    | 0  | 1    | 2  | 6     |      |
| 4    | 3:03  | 1    | 0  | 0    | 4  | 5     |      |
| 5    |       | -    | -  | -    | -  | -     |      |
| 6    |       | -    | -  | -    | -  | -     |      |
| 7    | 3:18  | 2    | 1  | 0    | 2  | 5     |      |
| 8    |       | -    | -  | -    | -  | -     |      |
| 9    | 0:33  | 0    | 0  | 1    | 2  | 3     |      |
| 10   | 6:03  | 1    | 4  | 1    | 3  | 9     |      |
| 11   | 4:17  | 0    | 5  | 0    | 2  | 7     |      |
| 12   | 3:48  | 3    | 3  | 0    | 0  | 6     |      |
| 13   | 2:36  | 3    | 1  | 1    | 0  | 5     |      |
| 14   | 4:48  | 2    | 1  | 0    | 3  | 6     |      |
| 15   |       | -    | -  | -    | -  | -     |      |
| 16   | 5:12  | 1    | 1  | 0    | 3  | 5     |      |
| 17   | 4:25  | 1    | 0  | 1    | 3  | 5     |      |
| 18   | 2:08  | 1    | 0  | 3    | 4  | 8     |      |
| 19   | 3:27  | 2    | 1  | 3    | 2  | 8     |      |
| 20   | 3:40  | 3    | 4  | 3    | 1  | 11    |      |
| 21   |       | -    | -  | -    | -  | -     |      |
| 22   | 3:12  | 2    | 2  | 0    | 1  | 5     |      |
| 23   | 2:50  | 2    | 1  | 0    | 3  | 6     | *    |
| 24   | 3:02  | 3    | 0  | 2    | 2  | 7     |      |
| 25   | 1:58  | 3    | 1  | 2    | 0  | 6     |      |
| 26   | 4:23  | 1    | 1  | 2    | 0  | 4     |      |
| 27   | 3:21  | 1    | 1  | 2    | 1  | 5     |      |
| 28   | 3:24  | 1    | 1  | 1    | 1  | 4     |      |
| 29   | 1:55  | 1    | 1  | 2    | 1  | 5     |      |
| 30   | 2:32  | 1    | 4  | 0    | 0  | 5     |      |
| 31   |       | -    | -  | -    | -  | -     |      |
| Sum  |       | 39   | 41 | 27   | 45 |       |      |
|      |       | 80   |    | 72   |    | 152   |      |
| Mean |       | 6.84 |    | 5.24 |    | 12.08 |      |
|      |       | 3.20 |    | 2.88 |    | 6.08  |      |

Days 25 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE(Aug. 1997)

| Date  | Time  | Type | Latitude | Altitude          |
|-------|-------|------|----------|-------------------|
| U. T. | 1 - 6 |      |          | (ten thousand Km) |
| 1     | 3h02m | 4    | N25-26W  | 8.3               |
| 2     | 1:46  | 2    | N25-27W  | 7.3               |
| 2     | 1:46  | 5    | S47-52W  | 5.2               |
| 4     | 3:03  | 5    | S44-48W  | 5.0               |
| 19    | 3:27  | 5    | N40-46E  | 6.8               |
| 19    | 3:27  | 2    | S32-35E  | 9.3               |
| 20    | 3:40  | 4    | N31-32E  | 6.0               |
| 20    | 3:40  | 4    | N37-38E  | 12.1              |
| 22    | 3:12  | 2    | N43-45W  | 6.6               |
| 22    | 3:12  | 5    | N35-40W  | 5.2               |
| 23    | 2:50  | 4    | S17-18W  | 5.6               |
| 28    | 3:24  | 5    | N42-45W  | 5.0               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T. | Max.  | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|---------------|-------|-----------------|------------|------|-----------------------|
|      |               |       | Latitude        | Mer. Dist. |      |                       |
| 26   | 0h53m - 1h03m | 0h55m | N18-21          | E62-65     | 1n   | N6592 D               |
| 29   | 4:21 - 4:35   | 4:25  | N18-20          | E22-25     | 1n   | N6592 E               |



PROMINENCE (Sep. 1997)

| Date | Time  | N  |      | S    |    | Total | Rem. |
|------|-------|----|------|------|----|-------|------|
|      |       | U. | T.   | E    | W  |       |      |
| 1    | 4h07m | 2  | 4    | 0    | 1  | 7     |      |
| 2    | 2:16  | 3  | 2    | 0    | 2  | 7     |      |
| 3    | 0:04  | 1  | 2    | 2    | 1  | 6     |      |
| 4    | 2:59  | 2  | 1    | 1    | 0  | 4     |      |
| 5    | 3:22  | 1  | 1    | 4    | 1  | 7     |      |
| 6    |       | -  | -    | -    | -  | -     |      |
| 7    | 2:45  | 2  | 3    | 3    | 1  | 9     |      |
| 8    |       | -  | -    | -    | -  | -     |      |
| 9    | 5:58  | 4  | 2    | 0    | 1  | 8     |      |
| 10   | 2:35  | 3  | 1    | 2    | 2  | 8     |      |
| 11   | 4:10  | 3  | 0    | 0    | 1  | 4     |      |
| 12   | 3:12  | 3  | 2    | 0    | 1  | 5     |      |
| 13   | 2:48  | 4  | 2    | 2    | 4  | 12    |      |
| 14   |       | -  | -    | -    | -  | -     |      |
| 15   |       | -  | -    | -    | -  | -     |      |
| 16   |       | -  | -    | -    | -  | -     |      |
| 17   |       | -  | -    | -    | -  | -     |      |
| 18   | 2:39  | 1  | 5    | 0    | 3  | 9     |      |
| 19   | 1:59  | 1  | 2    | 0    | 5  | 8     |      |
| 20   | 3:39  | 1  | 1    | 0    | 2  | 4     |      |
| 21   | 1:19  | 1  | 1    | 1    | 5  | 8     |      |
| 22   |       | -  | -    | -    | -  | -     |      |
| 23   |       | -  | -    | -    | -  | -     |      |
| 24   | 3:27  | 3  | 4    | 2    | 1  | 10    |      |
| 25   |       | -  | -    | -    | -  | -     |      |
| 26   |       | -  | -    | -    | -  | -     |      |
| 27   |       | -  | -    | -    | -  | -     |      |
| 28   | - 10  | 0  | 1    | 4    | 3  | 8     |      |
| 29   | 2:12  | 4  | 0    | 3    | 2  | 9     |      |
| 30   | 2:15  | 1  | 3    | 4    | 0  | 8     |      |
| Sum  |       | 40 | 37   | 28   | 36 |       |      |
|      |       |    | 77   | 64   |    | 141   |      |
| Mean |       |    | 4.05 | 3.37 |    | 7.42  |      |

Days 19

8cm Prominencescope  
H-alpha(H.W 0.7A)

PRINCIPAL PROMINENCE (Sep. 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 10   | 2h35m | 5     | N38-42E  | 6.0               |
| 10   | 2:35  | 5     | N44-50E  | 5.6               |
| 11   | 4:10  | 4     | N40-41E  | 5.8               |
| 11   | 4:10  | 5     | N43-47E  | 7.0               |
| 12   | 3:12  | 4     | N 57 W   | 5.1               |
| 13   | 2:48  | 5     | N44-48E  | 5.5               |
| 13   | 2:48  | 4     | N42-43W  | 7.2               |
| 18   | 2:39  | 2     | N44-51W  | 11.3              |
| 18   | 2:39  | 5     | N20-25W  | 5.1               |
| 19   | 1:59  | 3     | S20-25W  | 5.7               |
| 24   | 3:27  | 4     | N27-28E  | 6.2               |
| 24   | 3:27  | 6     | N36-39E  | 6.0               |
| 24   | 3:27  | 2     | S45-48E  | 5.6               |
| 28   | - 10  | 2     | N40-45W  | 9.4               |
| 28   | - 10  | 5     | S51-54E  | 5.5               |
| 29   | 2:12  | 6     | S50-53E  | 6.5               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T. | Max.  | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|---------------|-------|-----------------|------------|------|-----------------------|
|      |               |       | Latitude        | Mer. Dist. |      |                       |
| 1    | 1h56m - 2h18m | 1h58m | N28-30          | W12-14     | 1n   | N6592 E               |
| 11   | 23:23 - 23:25 | 23:24 | N 22            | W 10       | Sn   | N6599 E               |
| 12   | 2:09 - 2:16   | 2:13  | N 22            | W 11       | Sn   | N6599 E               |

PROMINENCE (Oct. 1997)

| Date | Time  | N                   |    | S                    |    | Total                | Rem. |
|------|-------|---------------------|----|----------------------|----|----------------------|------|
|      |       | E                   | W  | E                    | W  |                      |      |
| 1    | 4h09m | 2                   | 2  | 6                    | 1  | 11                   |      |
| 2    |       | -                   | -  | -                    | -  | -                    |      |
| 3    | 2:09  | 4                   | 2  | 4                    | 2  | 12                   |      |
| 4    |       | -                   | -  | -                    | -  | -                    |      |
| 5    | 6:28  | 0                   | 1  | 0                    | 1  | 2                    |      |
| 6    | 3:37  | 1                   | 2  | 3                    | 2  | 8                    |      |
| 7    |       | -                   | -  | -                    | -  | -                    |      |
| 8    | 4:09  | 2                   | 0  | 3                    | 0  | 5                    |      |
| 9    | 2:04  | 1                   | 2  | 2                    | 0  | 5                    |      |
| 10   | 2:34  | 1                   | 4  | 0                    | 1  | 6                    | *    |
| 11   |       | -                   | -  | -                    | -  | -                    |      |
| 12   | 4:53  | 5                   | 1  | 2                    | 3  | 11                   |      |
| 13   | 3:08  | 5                   | 0  | 1                    | 2  | 8                    |      |
| 14   | 2:29  | 3                   | 0  | 5                    | 3  | 11                   |      |
| 15   | 4:30  | 1                   | 0  | 4                    | 5  | 10                   |      |
| 16   | 2:57  | 2                   | 1  | 3                    | 4  | 10                   |      |
| 17   | 4:00  | 2                   | 1  | 3                    | 3  | 9                    |      |
| 18   | 3:16  | 2                   | 3  | 3                    | 3  | 11                   |      |
| 19   | 2:19  | 4                   | 2  | 3                    | 6  | 15                   |      |
| 20   | 2:55  | 2                   | 3  | 2                    | 1  | 8                    |      |
| 21   | 3:52  | 3                   | 6  | 1                    | 0  | 10                   |      |
| 22   | 2:29  | 2                   | 4  | 2                    | 1  | 9                    |      |
| 23   | 4:09  | 1                   | 3  | 0                    | 2  | 6                    |      |
| 24   | 2:26  | 2                   | 2  | 3                    | 0  | 7                    |      |
| 25   | 2:02  | 2                   | 1  | 3                    | 3  | 9                    |      |
| 26   | 0:20  | 0                   | 1  | 4                    | 1  | 6                    |      |
| 27   | 4:12  | 3                   | 4  | 1                    | 1  | 9                    |      |
| 28   | 4:15  | 0                   | 2  | 3                    | 2  | 7                    |      |
| 29   | 3:15  | 3                   | 3  | 7                    | 2  | 15                   |      |
| 30   | 3:31  | 4                   | 1  | 6                    | 2  | 13                   |      |
| 31   | 3:06  | 1                   | 2  | 3                    | 6  | 12                   |      |
| Sum  |       | 58                  | 53 | 77                   | 57 |                      |      |
|      |       | 111                 |    | 134                  |    | 245                  |      |
| Mean |       | $\frac{9.52}{4.11}$ |    | $\frac{16.15}{4.96}$ |    | $\frac{19.67}{9.07}$ |      |

Days 27 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Oct. 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 1    | 4h09m | 6     | S15-19E  | 5.3               |
| 1    | 4:09  | 2     | S48-51E  | 7.3               |
| 3    | 2:09  | 6     | N32-35E  | 5.1               |
| 3    | 2:09  | 5     | S50-59E  | 7.4               |
| 5    | 6:28  | 5     | N25-35W  | 5.5               |
| 6    | 3:37  | 5     | S36-41W  | 5.2               |
| 12   | 4:53  | 2     | N26-31W  | 9.3               |
| 12   | 4:53  | 2     | S42-47W  | 7.1               |
| 13   | 3:08  | 5     | S41-47E  | 5.6               |
| 16   | 2:57  | 5     | N43-47W  | 5.6               |
| 17   | 4:00  | 5     | N43-50W  | 5.1               |
| 18   | 3:16  | 6     | N32-38E  | 7.3               |
| 19   | 2:19  | 2     | N18-23E  | 9.3               |
| 19   | 2:19  | 4     | N28-29E  | 8.4               |
| 19   | 2:19  | 5     | S42-48E  | 5.6               |
| 20   | 2:55  | 5     | S43-46E  | 6.5               |
| 23   | 4:09  | 4     | N 26 E   | 5.4               |
| 26   | 0:20  | 6     | S 5- 6E  | 5.4               |
| 27   | 4:12  | 2     | N35-39W  | 9.3               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T.   | Max.   | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|-----------------|--------|-----------------|------------|------|-----------------------|
|      |                 |        | Latitude        | Mer. Dist. |      |                       |
| 13   | 23h14m - 23h29m | 23h19m | N20-21          | W62-66     | 1n   | N6605 J               |
| 28   | 3:35 - 3:45     | 3:38   | S21-22          | E67-69     | 1n   | S6390 D               |

PROMINENCE (Nov. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | E    | W  | E    | W  |       |      |
| 1    | 4h07m | 4    | 3  | 1    | 2  | 10    |      |
| 2    | 3:06  | 4    | 4  | 2    | 1  | 11    |      |
| 3    | 3:34  | 4    | 3  | 2    | 1  | 10    |      |
| 4    | 3:58  | 2    | 3  | 2    | 4  | 11    |      |
| 5    | 3:16  | 3    | 2  | 1    | 1  | 7     |      |
| 6    | 2:49  | 1    | 3  | 4    | 0  | 8     |      |
| 7    | 2:45  | 1    | 5  | 2    | 6  | 14    |      |
| 8    | 2:10  | 0    | 7  | 3    | 3  | 13    |      |
| 9    | 4:26  | 2    | 5  | 2    | 5  | 14    |      |
| 10   | 3:20  | 3    | 1  | 2    | 4  | 10    |      |
| 11   | 3:47  | 1    | 0  | 1    | 3  | 5     |      |
| 12   | 2:46  | 0    | 3  | 1    | 2  | 6     |      |
| 13   |       | -    | -  | -    | -  | -     |      |
| 14   |       | -    | -  | -    | -  | -     |      |
| 15   | 3:41  | 0    | 1  | 5    | 4  | 10    |      |
| 16   | 2:51  | 2    | 2  | 3    | 3  | 10    |      |
| 17   |       | -    | -  | -    | -  | -     |      |
| 18   | 2:54  | 4    | 3  | 1    | 2  | 10    |      |
| 19   | 3:06  | 2    | 3  | 1    | 3  | 9     |      |
| 20   |       | -    | -  | -    | -  | -     |      |
| 21   | 3:16  | 1    | 1  | 1    | 0  | 3     |      |
| 22   |       | -    | -  | -    | -  | -     |      |
| 23   |       | -    | -  | -    | -  | -     |      |
| 24   | 1:38  | 1    | 1  | 0    | 0  | 2     | *    |
| 25   | 2:38  | 0    | 2  | 1    | 0  | 3     | *    |
| 26   |       | -    | -  | -    | -  | -     |      |
| 27   | 3:11  | 1    | 0  | 1    | 0  | 2     |      |
| 28   |       | -    | -  | -    | -  | -     |      |
| 29   |       | -    | -  | -    | -  | -     |      |
| 30   |       | -    | -  | -    | -  | -     |      |
| Sum  |       | 36   | 52 | 36   | 44 |       |      |
|      |       | 88   |    | 80   |    | 168   |      |
| Mean |       | 4.40 |    | 4.00 |    | 8.40  |      |

Days 20 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Nov. 1997)

| Date | Time  | Type  | Latitude | Altitude          |
|------|-------|-------|----------|-------------------|
|      | U. T. | 1 - 6 |          | (ten thousand Km) |
| 1    | 4h07m | 2     | N30-34W  | 8.4               |
| 1    | 4:07  | 4     | N21-22W  | 7.4               |
| 3    | 3:34  | 2     | S40-45W  | 8.4               |
| 3    | 3:34  | 2     | S51-53E  | 5.1               |
| 4    | 3:58  | 2     | N42-47E  | 5.6               |
| 4    | 3:58  | 2     | S41-47E  | 7.4               |
| 5    | 3:16  | 5     | N42-48E  | 5.2               |
| 6    | 2:49  | 4     | S 32 E   | 5.4               |
| 6    | 2:49  | 4     | S 36 E   | 5.4               |
| 9    | 4:26  | 4     | N 22 W   | 5.4               |
| 10   | 3:20  | 2     | S46-52W  | 8.2               |
| 11   | 3:47  | 2     | S45-49W  | 11.6              |
| 12   | 2:46  | 2     | S43-48W  | 9.4               |
| 18   | 2:54  | 1     | N12-15W  | 10.5              |
| 18   | 2:54  | 5     | S42-49E  | 6.3               |
| 19   | 3:06  | 5     | N44-52W  | 5.7               |
| 19   | 3:06  | 5     | S40-47E  | 5.3               |
| 21   | 3:16  | 5     | N45-52W  | 6.3               |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T. | Max.  | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|---------------|-------|-----------------|------------|------|-----------------------|
|      |               |       | Latitude        | Mer. Dist. |      |                       |
| 2    | 3h01m - 3h05m | 3h03m | S15-16          | W 5- 6     | Sn   | S6390 E               |
| 3    | 4:34 - 4:55   | 4:38  | S14-17          | W17-22     | 1b   | S6390 E               |
| 4    | 2:34 - 3:12   | 2:59  | S17-21          | W21-29     | 2b   | S6390 F               |
| 4    | 5:56 - 6:11   | 5:58  | S16-19          | W28-33     | 1b   | S6390 F               |
| 23   | 2:40 - 3:07   | 2:49  | N17-20          | W35-42     | 1f   | N6614 E               |
| 24   | 3:56 - 4:10   | 4:00  | N20-23          | W48-57     | 1b   | N6614 E               |

PROMINENCE (Dec. 1997)

| Date | Time  | N    |    | S    |    | Total | Rem. |
|------|-------|------|----|------|----|-------|------|
|      |       | E    | W  | E    | W  |       |      |
| 1    |       | -    | -  | -    | -  | -     |      |
| 2    |       | -    | -  | -    | -  | -     |      |
| 3    | 3h10m | 1    | 4  | 1    | 1  | 7     |      |
| 4    | 2:51  | 1    | 1  | 4    | 2  | 8     |      |
| 5    | 3:13  | 1    | 2  | 3    | 1  | 7     |      |
| 6    |       | -    | -  | -    | -  | -     |      |
| 7    |       | -    | -  | -    | -  | -     |      |
| 8    |       | -    | -  | -    | -  | -     |      |
| 9    |       | -    | -  | -    | -  | -     |      |
| 10   | 5:32  | 0    | 3  | 3    | 1  | 7     |      |
| 11   | 2:36  | 0    | 6  | 1    | 2  | 9     |      |
| 12   | 1:12  | 0    | 5  | 1    | 3  | 9     |      |
| 13   | 2:58  | 2    | 4  | 2    | 1  | 9     |      |
| 14   | 1:59  | 1    | 1  | 1    | 0  | 3     |      |
| 15   | 5:37  | 2    | 2  | 2    | 0  | 6     |      |
| 16   | 2:37  | 1    | 4  | 4    | 3  | 12    |      |
| 17   |       | -    | -  | -    | -  | -     |      |
| 18   | 1:56  | 3    | 1  | 1    | 2  | 7     |      |
| 19   | 3:52  | 2    | 1  | 3    | 2  | 8     |      |
| 20   | 1:16  | 3    | 1  | 1    | 2  | 7     | *    |
| 21   | 3:15  | 4    | 4  | 2    | 3  | 13    |      |
| 22   |       | -    | -  | -    | -  | -     |      |
| 23   |       | -    | -  | -    | -  | -     |      |
| 24   | 3:02  | 2    | 0  | 4    | 0  | 6     |      |
| 25   | 4:55  | 3    | 0  | 2    | 0  | 5     |      |
| 26   |       | -    | -  | -    | -  | -     |      |
| 27   | 3:47  | 3    | 0  | 1    | 1  | 5     |      |
| 28   | 2:06  | 2    | 0  | 1    | 2  | 5     |      |
| 29   | 3:18  | 2    | 2  | 1    | 1  | 6     |      |
| 30   |       | -    | -  | -    | -  | -     |      |
| 31   | 2:34  | 1    | 1  | 4    | 1  | 7     |      |
| Sum  |       | 34   | 42 | 42   | 28 |       |      |
|      |       | 76   |    | 70   |    | 146   |      |
| Mean |       | 3.80 |    | 3.50 |    | 7.30  |      |

Days 20 \* - Contrast is bad

8cm Prominencescope  
H-alpha (H.W 0.7A)

PRINCIPAL PROMINENCE (Dec. 1997)

| Date | Time<br>U. T. | Type<br>1 - 6 | Latitude | Altitude<br>(ten thousand Km) |
|------|---------------|---------------|----------|-------------------------------|
| 4    | 2h51m         | 5             | S50-56E  | 5.5                           |
| 5    | 3:13          | 2             | N44-50E  | 7.5                           |
| 10   | 5:32          | 2             | N46-48W  | 11.1                          |
| 12   | 1:12          | 6             | N44-47W  | 7.4                           |
| 12   | 1:12          | 2             | S28-31W  | 5.7                           |
| 13   | 2:58          | 6             | S32-39E  | 7.2                           |
| 14   | 1:59          | 5             | N23-27E  | 5.1                           |
| 20   | 1:16          | 5             | N51-57E  | 5.5                           |
| 21   | 3:15          | 5             | N37-41E  | 5.8                           |
| 21   | 3:15          | 5             | N53-58E  | 5.6                           |
| 25   | 4:55          | 2             | N30-35E  | 7.2                           |
| 29   | 3:18          | 4             | S37-38E  | 6.0                           |

SOLAR FLARES (H-alpha Patrol, H.W 0.6A)

| Date | Time<br>U. T.   | Max.   | Helio. Position |            | Imp. | Group NO.<br>and Type |
|------|-----------------|--------|-----------------|------------|------|-----------------------|
|      |                 |        | Latitude        | Mer. Dist. |      |                       |
| 15   | 23h44m - 24h00m | 23h52m | N18-19          | E41-45     | 1n   | N6622 D               |
| 31   | 6:58 - 7:19     | 7:03   | N15-20          | W11-14     | 1n   | N6623 H               |