

Mauna Loa Solar Observatory Observer's Log

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Wed Apr 13 17:16:37 GMT 1994

Year: 94 Doy: 103

Observer: koon

COMMENT: Wed Apr 13 17:16:45 GMT 1994

Hazy sky, light wind from the southwest, temp=44 F.

Wed Apr 13 17:18:17 GMT 1994: Patrol Start

Wed Apr 13 18:01:49 GMT 1994: Filemark-Calibration

Wed Apr 13 19:01:25 GMT 1994: Filemark-Calibration

DPMON COMMENT: Wed Apr 13 19:42:07 GMT 1994

The Halle filter is continuously moving in and out of the light path, it may have been doing this since I started this morning, I was getting some strange images but thought it may have been due to the haze/clouds.

Wed Apr 13 19:45:04 GMT 1994: Patrol End

COMMENT: Wed Apr 13 19:50:18 GMT 1994

Extended dome slot.

Wed Apr 13 19:53:36 GMT 1994: Patrol Start

DPMON COMMENT: Wed Apr 13 19:53:40 GMT 1994

Stopped Patrol and tried moving the Halle filter manually, still kept moving in and out. Rebooted Plessey and the Halle responded correctly to manual commands. Restarted Patrol, will watch for any problems.

Wed Apr 13 20:00:20 GMT 1994: Filemark-Calibration

DPMON COMMENT: Wed Apr 13 20:38:52 GMT 1994

Pausing Patrol to do some IR filtering testing.

Wed Apr 13 20:59:37 GMT 1994: Patrol Start

DPMON COMMENT: Wed Apr 13 20:59:44 GMT 1994

Removing the lyot stop didn't give better characteristics to the "ring" image. It increased in diameter and relative brightness compared to the coronal background. The diameter was only about 0.1 solar radius away from the limb so it was obscuring the desired FOV. I couldn't find any IR rejecting glass so I put my Revo sunglasses (90+% IR rejecting) in the path. The relative brightness of the ring decreased and the ring seemed to blend into the corona more (less noticeable but perhaps equal total illumination. It would be worthwhile to obtain and try a good IR rejecting glass and/or filter with the desired bandpass and IR filtering.

MKIII COMMENT: Wed Apr 13 21:28:07 GMT 1994  
Doing a dark scan.

COMMENT: Wed Apr 13 21:46:24 GMT 1994  
\$\$\$ Getting cloudy, closing down.

Wed Apr 13 21:48:24 GMT 1994: Patrol End

COMMENT: Wed Apr 13 21:55:39 GMT 1994  
Activity report:  
QP: 52-67.  
No coronal activity.

TAPES:  
MKIII: H00738  
DPMON: P00038  
LOW-L: L00024

Wed Apr 13 21:57:25 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 17:15:10. 4/13/94 DOY 103

17:25:59	17:29:12	17:32:27	17:35:39	17:38:52
17:42:03	17:45:15	17:48:26	17:51:39	17:54:50
17:58:03	18:01:15	18:04:28	18:07:40	18:10:54
18:14:06	18:17:20	18:20:32	18:23:48	18:27:00
18:30:13	18:33:25	18:36:38	18:39:50	18:43:03
18:46:15	18:49:28	18:52:39	18:55:52	18:59:06
1903 0 CL	19:08:36	1913 15CL	19:25:26	19:28:36
19:31:48	19:34:58	19:38:10	19:41:23	19:44:39
19:47:50	19:51:03	19:54:14	19:57:27	20:00:39
20:03:55	20:07:06	20:10:18	20:13:28	20:16:40
20:19:50	20:23:02	20:26:15	20:29:33	20:32:43
20:35:55	20:39:05	20:42:17	20:45:28	20:48:39
20:51:50	20:55:02	20:58:12	21:01:24	21:04:35
21:07:46	21:10:57	21:14:08	21:17:19	21:20:31
21:27:41	21:33:41	21:36:52	21:40:05	21:43:15

0 ERRORS

OK