

Mauna Loa Solar Observatory Observer's Log

Thu Jun 2 17:02:21 GMT 1994
Year: 94 Doy: 153
Observer: koon

COMMENT: Thu Jun 2 17:02:38 GMT 1994
Clear sky, cirrus off to the east (same as last two observing days), wind ~5 mph from the west, temp ~45 F.

Thu Jun 2 17:09:02 GMT 1994: Patrol Start

DPMON COMMENT: Thu Jun 2 17:09:05 GMT 1994
O2B mike is set at 2.000 mm which gave the best solar disk focus last time, disk exposure set at 7 ms, limb exposure set at 30 ms.

DPMON COMMENT: Thu Jun 2 17:17:16 GMT 1994
Changed disk exposure to 9 ms.

DPMON COMMENT: Thu Jun 2 17:30:33 GMT 1994
Can see a possible loop prominence at PA=277.

DPMON COMMENT: Thu Jun 2 17:44:06 GMT 1994
Changed disk exposure to 100 ms.

Thu Jun 2 18:01:16 GMT 1994: Filemark-Calibration

DPMON COMMENT: Thu Jun 2 18:36:42 GMT 1994
I have changed the O2B mike setting from 2.000 mm to 4.300 mm, this is the best setting for focusing the occulting disk onto the camera.

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This is hard to judge by eye but at 4.300 then prominences may look better although the filaments on the disk have become unfocused.

DPMON COMMENT: Thu Jun 2 18:44:25 GMT 1994
Changed the limb exposure from 300 to 350 ms.

DPMON COMMENT: Thu Jun 2 19:00:09 GMT 1994
Set O2B mike back to 2.000 mm.

Thu Jun 2 19:01:14 GMT 1994: Filemark-Calibration

DPMON COMMENT: Thu Jun 2 19:39:27 GMT 1994

I will pause the Patrol while I do some manual testing.

Thu Jun 2 19:40:15 GMT 1994: Patrol End

COMMENT: Thu Jun 2 20:03:17 GMT 1994
Extended dome slot.

LOW-L COMMENT: Thu Jun 2 23:50:50 GMT 1994
Changed back to graphics output and modified programs to take fewer flats at David's request. Instrument is back up and running.

DPMON COMMENT: Thu Jun 2 23:51:50 GMT 1994
Tried taking images without LSF and with no Heat Rejecting Filter (HRF) or H-alpha Filter (HAF), the disk image looks very good this way. But we need one of those filters to eliminate the IR ring in the limb images, so I tried the HRF w/ the 0.7" lyot stop (looks good compared to the LSF) and I tried the HAF w/ the 0.7" lyot stop (looks almost as good) then I saved a disk and a limb image for each setup for David to look at. I'll try to find the best focus for each setup and then save the images to tape on Saturday. Note that both setups have the filter flat against the stop (not tilted).

MKIII COMMENT: Thu Jun 2 23:59:33 GMT 1994
Took dark scan.

COMMENT: Fri Jun 3 00:07:08 GMT 1994
Activity report:
QP: 60; 77; 128; 257; 280; 310.
No coronal activity.

TAPES:
MKIII: H00768
DPMON: P00070
LOW-L: L00053 in drive #0, L00054 ready in drive #1.

Fri Jun 3 00:10:12 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 17:11:51. 6/2/94 DOY 153

17:17:15	17:20:27	17:23:41	17:26:52	17:30:04
17:33:16	17:36:29	17:39:41	17:42:54	17:46:05
17:49:18	17:52:28	17:55:40	17:58:50	1806 0 CL
18:19:20	1826 15CL	18:40:12	18:43:22	18:46:34
18:49:46	18:52:59	18:56:10	18:59:26	19:02:35
19:05:46	19:08:55	19:12:06	19:15:16	19:18:27
19:21:36	19:24:46	19:27:55	19:31:05	19:34:14

19:37:24	19:40:33	19:43:43	19:46:52	19:50:02
19:53:10	19:56:19	19:59:27	20:02:36	20:05:43
20:08:52	20:12:00	20:15:09	20:18:17	20:21:32
20:24:41	20:27:50	20:30:58	20:34:06	20:37:13
20:40:22	20:43:29	20:46:38	20:49:45	20:52:53
20:56:01	20:59:14	21:02:22	21:05:30	21:08:37
21:11:45	21:14:52	21:18:00	21:21:07	21:24:15
21:27:22	21:30:30	21:33:37	21:36:45	21:39:52
21:43:00	21:46:07	21:49:16	21:52:22	21:55:31
21:58:38	22:01:48	22:04:55	22:08:03	22:11:10
22:14:18	22:17:25	22:20:33	22:23:40	22:26:48
22:29:55	22:33:04	22:36:11	22:39:19	22:42:26
22:45:35	22:48:42	22:51:50	22:54:57	22:58:05
23:01:12	23:04:21	23:07:28	23:10:36	23:13:43
23:16:52	23:19:59	23:23:08	23:26:15	23:29:24
23:32:31	23:35:39	23:38:47	23:50:15	

0 ERRORS

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