

Mauna Loa Solar Observatory Observer's Log

Sat Apr 2 17:04:45 GMT 1994
Year: 94 Doy: 092
Observer: yasukawa

COMMENT: Sat Apr 2 17:04:56 GMT 1994
Cool, clear, light southwest breeze. 7 degrees C.

Sat Apr 2 17:09:05 GMT 1994: Patrol Start

COMMENT: Sat Apr 2 17:16:10 GMT 1994
Removed L00017 from unit 1. Loaded L00019. L00018 running in unit 0.

Sat Apr 2 18:01:21 GMT 1994: Filemark-Calibration

DPMON COMMENT: Sat Apr 2 18:02:50 GMT 1994
Stopping PMON to run a test to track down source of ring on image.
Changing back to normal (1.4" dia. aperture).
Resetting exposure from 80 to 27 on limb and reference images.
Recording images for a couple of loops.

Sat Apr 2 18:16:05 GMT 1994: Patrol Start
Sat Apr 2 18:26:13 GMT 1994: Patrol End

DPMON COMMENT: Sat Apr 2 18:30:59 GMT 1994
Stuck black cloth tape on 1/2 of aperture.

Sat Apr 2 18:31:48 GMT 1994: Patrol Start
Sat Apr 2 18:40:07 GMT 1994: Patrol End

DPMON COMMENT: Sat Apr 2 18:42:41 GMT 1994
Used M1 control to offset solar image at Lyot stop so that part of
the edge of the solar image is inside the aperture i.e. there should
be no reflection of the solar image back up the light path on part
of the lyot stop.

Sat Apr 2 18:45:25 GMT 1994: Patrol Start

DPMON COMMENT: Sat Apr 2 18:47:46 GMT 1994
Will move image closer to edge. Right now it is a ways in.

DPMON COMMENT: Sat Apr 2 18:52:07 GMT 1994
Moving image off 90 degrees away from its present offset.

DPMON COMMENT: Sat Apr 2 18:57:12 GMT 1994

Centering image again, then masking across a portion of the Lyot stop with black tape (chord mask).

Sat Apr 2 19:01:13 GMT 1994: Filemark-Calibration

DPMON COMMENT: Sat Apr 2 19:04:37 GMT 1994
Rotating chord mask 90 degrees.

DPMON COMMENT: Sat Apr 2 19:13:19 GMT 1994
Rotated mask by 180 degrees and moved it a bit inward. Log entry at the time did not get entered, did not begin log process properly.

Sat Apr 2 19:21:01 GMT 1994: Patrol End
Sat Apr 2 19:25:54 GMT 1994: Patrol Start

DPMON COMMENT: Sat Apr 2 19:25:55 GMT 1994
Trying a black paper Lyot stop of approximately the same diameter.

Sat Apr 2 19:34:05 GMT 1994: Patrol End

DPMON COMMENT: Sat Apr 2 19:35:52 GMT 1994
Installed 0.7" aperture made of blackened paper. Reduced exposure from that is increased exposure from 27 to 80 again.

Sat Apr 2 19:37:14 GMT 1994: Patrol Start

DPMON COMMENT: Sat Apr 2 19:45:47 GMT 1994
Replaced paper aperture with .7" aluminum aperture that has been taped on the top half of metal part (no tape across hole), with black cloth tape. Bottom half of edge is bare aluminum.

DPMON COMMENT: Sat Apr 2 19:55:14 GMT 1994
Rotated tape to bottom.

DPMON COMMENT: Sat Apr 2 20:01:17 GMT 1994
Rotated tape to side (west wall of dome).

Sat Apr 2 20:02:19 GMT 1994: Filemark-Calibration

DPMON COMMENT: Sat Apr 2 20:08:54 GMT 1994
Test pau. looks to me like using a small aperture made from black anodized aluminum might be a solution. I don't know how the cloth tape will hold up, but for now I will cover the front of the Lyot stop with black cloth tape (the 0.7" aperture DAK made) and reinstall it.

COMMENT: Sat Apr 2 20:11:41 GMT 1994
Opening top of dome. MKIII continues.

COMMENT: Sat Apr 2 20:18:50 GMT 1994
Brushed front surface of MKIII O1. Dome reconfigured. Taped
aperture inserted.

Sat Apr 2 20:19:55 GMT 1994: Patrol Start

DPMON COMMENT: Sat Apr 2 20:26:18 GMT 1994
Ring still slightly visible around image of occulter.

Sat Apr 2 21:02:20 GMT 1994: Filemark-Calibration

DPMON COMMENT: Sat Apr 2 21:21:19 GMT 1994
Pressed boot. Halle in/out was messing up.

COMMENT: Sat Apr 2 21:49:48 GMT 1994
Activity report:
QP: 80; 223; 245; 300;
No coronal activity

DPMON COMMENT: Sat Apr 2 21:51:05 GMT 1994
Halle in/out ran away again. rebooted Plessey.

COMMENT: Sat Apr 2 21:51:32 GMT 1994
TAPES: MKIII: H00730
DPMON: P00030
LOW-L: L00018

DPMON COMMENT: Sat Apr 2 21:55:04 GMT 1994
Objective wheel probably blocked. setting up manually.

Sat Apr 2 21:58:30 GMT 1994: Patrol Start
Sat Apr 2 22:02:20 GMT 1994: Filemark-Calibration
Sat Apr 2 22:04:02 GMT 1994: Patrol End
Sat Apr 2 22:04:39 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 17:10:03. 4/2/94 DOY 92
17:16:33 17:19:46 17:23:01 17:26:13 17:29:26
17:32:37 17:35:49 17:39:00 17:42:17 17:45:29

17:48:47	17:51:59	17:55:13	17:58:25	18:01:39
18:04:51	18:08:04	18:11:14	18:14:27	18:17:38
18:20:52	18:24:03	1827 0 CL	18:30:59	1835 15CL
18:45:35	18:48:45	18:51:57	18:55:07	18:58:19
19:01:29	19:04:41	19:07:51	19:11:03	19:14:13
19:17:25	19:20:36	19:23:48	19:26:58	19:30:09
19:33:18	19:36:29	19:39:39	19:42:48	19:45:57
19:49:06	19:52:14	19:55:24	19:58:33	20:01:44
20:04:54	20:08:03	20:11:10	20:14:20	20:17:27
20:20:36	20:23:44	20:26:53	20:30:01	20:33:09
20:36:16	20:39:26	20:42:34	20:45:42	20:48:49
20:51:57	20:55:04	20:58:12	21:01:19	21:04:27
21:07:35	21:10:44	21:13:53	21:17:06	21:20:13
21:23:21	21:26:28	21:29:36	21:32:43	21:35:52
21:38:59	21:42:07	21:45:14	21:48:23	21:51:30
21:54:39	21:57:46			

0 ERRORS

OK