

Mauna Loa Solar Observatory Observer's Log

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Sat Sep 24 16:41:31 GMT 1994

Year: 94 Doy: 267

Observer: koon

WEATHER COMMENT: Sat Sep 24 16:41:37 GMT 1994

Clear sky, wind ~5 mph from the west, temp ~45 F.

Sat Sep 24 16:46:08 GMT 1994: Patrol Start

Sat Sep 24 17:02:08 GMT 1994: Calibration

Sat Sep 24 18:02:09 GMT 1994: Calibration

WEATHER COMMENT: Sat Sep 24 18:48:59 GMT 1994

Cirrus moving slowly over from the east.

DPMON COMMENT: Sat Sep 24 18:52:59 GMT 1994

Switched to optimum disk image setup: 3.85 mm, 0.8" LS, 50 mms exp.

Sat Sep 24 19:02:04 GMT 1994: Calibration

DPMON COMMENT: Sat Sep 24 20:00:57 GMT 1994

Switched back to optimum limb image setup.

WEATHER COMMENT: Sat Sep 24 20:01:18 GMT 1994

Occasional cirrus passing by.

DPMON COMMENT: Sat Sep 24 20:01:43 GMT 1994

Nothing good on disk and limb to focus O2A by.

MKIII COMMENT: Sat Sep 24 20:02:20 GMT 1994

Will look into tilt plate operation to see if it is working OK, may be able to improve design if necessary.

COMMENT: Sat Sep 24 20:59:43 GMT 1994

Extended dome slot and turned on the ADR.

WEATHER COMMENT: Sat Sep 24 21:00:10 GMT 1994

Getting cirrus from the west passing overhead.

Sat Sep 24 21:02:04 GMT 1994: Calibration

DPMON COMMENT: Sat Sep 24 21:54:02 GMT 1994  
Diffuser runaway. Recycled plessy to correct.

Sat Sep 24 21:58:03 GMT 1994: Patrol End

COMMENT: Sat Sep 24 22:07:45 GMT 1994  
Stopping obs to run MKIII tilt plate tests.

MKIII COMMENT: Sat Sep 24 22:51:02 GMT 1994  
Checked the operation of the tilt plates with Duc's help. They seem to work fine and I can't see any way that they could block the light beam, when they are out they are clear of the beam by about 1". Will check the 15 degree orientation logic more thoroughly, I can't find an easy way into the telescope near the plates. Apparently when you orient the plates at 15 degrees they move all the way in perpendicular to the beam then they each back out about 20 degrees then they move back in and stop at 7.5 degrees from perpendicular (hopefully). Found dust floating around inside the telescope, this is probably a big contributor to the "noisy sky problem", we will need to flush out the air, maybe by putting an air filter in the telescope and blowing the circulated air out the front hatches near the O1. The fan for the air circulation system wasn't working, I tightened the connection and it started up OK, took apart the connector for inspection but the wires were OK, the sleeves that fit over the pins on the other half of the connector are probably enlarged a bit.

Sat Sep 24 23:05:09 GMT 1994: Patrol Start

WEATHER COMMENT: Sat Sep 24 23:07:10 GMT 1994  
Thick patches of cirrus moving into FOV. Orographic clouds also closing from South and West.

COMMENT: Sat Sep 24 23:08:15 GMT 1994  
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chu relieving koon as observer  
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DPMON COMMENT: Sat Sep 24 23:14:33 GMT 1994  
Dpmon appears to be domed out. Rotated dome and engaging ADR.

Sat Sep 24 23:18:03 GMT 1994: Patrol End  
Sat Sep 24 23:21:58 GMT 1994: Patrol Start

DPMON COMMENT: Sat Sep 24 23:22:19 GMT 1994  
Diffuser apparently didn't reset earlier when we recycled the Plessey power. Stopped patrol to manually reset. Dpmon now operating normally.

WEATHER COMMENT: Sat Sep 24 23:38:33 GMT 1994  
Orographic clouds moving through FOV.

Sun Sep 25 00:00:59 GMT 1994: Calibration

COMMENT: Sun Sep 25 00:31:14 GMT 1994  
Small orographic clouds have been moving in and out of FOV. Still patches of blue sky present. Will continue to run in hopes of getting good data in between clouds.

Sun Sep 25 01:01:06 GMT 1994: Calibration

COMMENT: Sun Sep 25 01:57:33 GMT 1994  
Reconfigured the dome slot.

Sun Sep 25 02:00:59 GMT 1994: Calibration

WEATHER COMMENT: Sun Sep 25 02:34:31 GMT 1994  
In a hole between receding orographic clouds, altocumulus which has passed to the East, and cirrostratus moving in from West.

Sun Sep 25 03:01:01 GMT 1994: Calibration

WEATHER COMMENT: Sun Sep 25 03:15:33 GMT 1994  
Clouds have cleared FOV. Now in clear skies.

Sun Sep 25 03:31:04 GMT 1994: Patrol End

COMMENT: Sun Sep 25 03:31:19 GMT 1994  
Have been under mostly cloudy skies during pm shift. Sky has only recently cleared up.

Activity Report:

QP: 97; 110; 215; 273.  
No Coronal Activity.

Tapes:

MKIII: H00848  
DPMON: P00168  
LOW-L: L00108 running in unit 1

Sun Sep 25 03:34:16 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 16:46:45. 9/24/94 DOY 267

16:48:51 16:52:06 16:55:21 16:58:35 17:01:50

17:05:05	17:08:19	17:11:32	17:14:46	17:17:58
17:21:12	17:24:26	17:27:40	17:30:54	17:34:08
17:37:21	17:40:35	17:43:47	17:47:00	1803 0 CL
18:07:07	1811 15CL	18:17:07	18:21:50	18:25:03
18:28:18	18:31:30	18:34:44	18:37:58	18:41:11
18:44:23	18:47:36	18:50:48	18:54:01	18:57:12
19:00:25	19:03:37	19:06:51	19:10:02	19:13:14
19:16:27	19:19:40	19:22:51	19:26:03	19:29:15
19:32:27	19:35:39	19:38:52	19:42:04	19:45:16
19:48:27	19:51:39	19:54:50	19:58:02	20:01:15
20:04:26	20:07:36	20:10:47	20:13:57	20:17:07
20:20:17	20:23:30	20:26:41	20:29:53	20:33:03
20:36:13	20:39:22	20:42:32	20:45:41	20:48:51
20:52:00	20:55:10	20:58:19	21:01:29	21:04:39
21:07:51	21:11:01	21:14:16	21:17:27	21:20:38
21:23:49	21:27:02	21:30:13	21:33:25	21:36:36
21:39:49	21:43:00	21:46:12	21:49:23	22:54:39
22:57:51	23:01:03	23:04:15	23:07:28	23:10:39
23:13:52	23:17:04	23:20:17	23:23:28	23:26:40
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1:54:25	1:57:36	2:00:47	2:03:58	2:07:09
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2:42:15	2:45:26	2:48:35	2:51:46	2:54:55
2:58:06	3:01:16	3:04:27	3:07:36	3:10:47
3:13:57	3:17:10	3:20:20	3:23:31	3:26:43
3:29:55				

0 ERRORS

OK