

Mauna Loa Solar Observatory Observer's Log

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Sat Jun 4 17:14:07 GMT 1994  
Year: 94 Doy: 155  
Observer: koon

COMMENT: Sat Jun 4 17:14:33 GMT 1994  
Scattered cirrus clouds, wind ~5 mph from the east, temp ~50 F.

Sat Jun 4 17:21:18 GMT 1994: Patrol Start

DPMON COMMENT: Sat Jun 4 17:34:09 GMT 1994  
Limb exposure is at 350 ms, I just changed the disk exposure to 70 ms. The new H-alpha filter is installed over the 0.7" Lyot stop, O2B focus mike is set to 4.300 mm.

Sat Jun 4 18:01:22 GMT 1994: Filemark-Calibration

MKIII COMMENT: Sat Jun 4 18:24:06 GMT 1994  
Just did a channel 1 cal, will do a channel 0 cal next.

DPMON COMMENT: Sat Jun 4 18:24:42 GMT 1994  
Program crashed while I was checking the closeup solar features by pointing to area of interest in the full disk image and clicking a mouse button to update the closeup view window, this is usual procedure, first time I've seen it crash like this, will restart and install a new tape.

DPMON COMMENT: Sat Jun 4 18:48:38 GMT 1994  
Had to reboot computer after the crash, starting new tape P00072.

LOW-L COMMENT: Sat Jun 4 18:49:32 GMT 1994  
Still running, tape L00053 an drive #0.

DPMON COMMENT: Sat Jun 4 18:50:18 GMT 1994  
Will start off with a few images taken with the setup used earlier, then I will pause the Patrol program and do some manual testing, I will save various test images for review in Boulder and I will save data to tape for the best setup of different filter/stop combinations.

Sat Jun 4 18:56:02 GMT 1994: Patrol End

DPMON COMMENT: Sat Jun 4 18:56:10 GMT 1994  
Both the Daystar filter and the diffuser are moving in and out of the light

path. Will pause the Patrol and reset the Plessey and reset the filter and diffuser.

Sat Jun 4 18:58:57 GMT 1994: Patrol Start

Sat Jun 4 19:00:22 GMT 1994: Filemark-Calibration

DPMON COMMENT: Sat Jun 4 19:05:17 GMT 1994  
Restarted the Patrol for some base images.

DPMON COMMENT: Sat Jun 4 19:11:47 GMT 1994  
Pausing the Patrol for some manual testing.

Sat Jun 4 19:13:02 GMT 1994: Patrol End  
Sat Jun 4 19:43:17 GMT 1994: Patrol Start

DPMON COMMENT: Sat Jun 4 19:43:23 GMT 1994  
Taking some data with the "close-to-best" focus setting for O2B of 2.500 mm.  
Using new H-alpha filter mounted flat on 0.8" Lyot stop, disk exposure is  
70 ms, limb exposure is 350 ms. Not sure if the limb is at best focus but  
disk is close.

DPMON COMMENT: Sat Jun 4 19:51:59 GMT 1994  
Diffuser and Daystar filter moving in and out again, will reset as before.

COMMENT: Sat Jun 4 19:52:51 GMT 1994  
Some cirrus clouds are getting close.

Sat Jun 4 19:54:13 GMT 1994: Patrol End

DPMON COMMENT: Sat Jun 4 19:56:17 GMT 1994  
Lost the Display and Focus windows again, this time while running Manual.  
The core gets dumped to memory and /opt gets full. As before, I will delete  
core, reboot and start on a new tape.

DPMON COMMENT: Sat Jun 4 20:25:41 GMT 1994  
Crashed in Manual mode this time with the Camera field showing "busy", this  
crash has happened in the past, had to reboot the computer but kept the  
same tape since it had no data on it. Doing more manual testing now.

COMMENT: Sat Jun 4 20:39:18 GMT 1994  
Cirrus clouds passing by.

DPMON COMMENT: Sat Jun 4 20:55:56 GMT 1994  
Crashed again while in manual mode, Camera "busy. Rebooting.

DPMON COMMENT: Sat Jun 4 21:04:43 GMT 1994  
Testing is getting really slowed down by crashes and cirrus.

DPMON COMMENT: Sat Jun 4 21:48:57 GMT 1994  
Crashed again in manual mode, rebooting.

DPMON COMMENT: Sat Jun 4 22:02:42 GMT 1994  
Crashed again while trying to run Continuous after having run Continuous (Manual mode) and saving an image in the data directory. This seems to be the recurring pattern.  
Rebooting.

DPMON COMMENT: Sat Jun 4 23:05:10 GMT 1994  
Crashed again in Manual mode the same way as listed last time. Rebooted.

Sat Jun 4 23:12:16 GMT 1994: Patrol Start

DPMON COMMENT: Sat Jun 4 23:12:18 GMT 1994  
Starting up Patrol on 3rd tape for today (P00073). The heat rejection filter is on the 0.8" Lyot stop (old), the O2B mike is at 4.300 mm, the disk exposure started at 70 ms but I just changed it to 130 ms, the limb exposure started at 350 ms but I just changed it to 300 ms. Limb is washed out due to passing cirrus, but disk features can still be seen. This seems to be the best setup for disk images with a filter for IR rejection. Still need to work on the limb images though.

DPMON COMMENT: Sat Jun 4 23:54:53 GMT 1994  
Cirrus is temporarily gone, changed the limb exposure to 350 ms.

Sun Jun 5 00:01:11 GMT 1994: Filemark-Calibration  
Sun Jun 5 00:45:02 GMT 1994: Patrol End

DPMON COMMENT: Sun Jun 5 00:45:06 GMT 1994  
Activity report:  
QP: 93; 128; 315.  
No coronal activity.

TAPES:

MKIII: H00769

DPMON: P00071, P00072, P00073

LOW-L: L00053 in drive #0 until it crashed at 23:56 (see below), removed L00053 from drive #0 and installed L00055, removed L00054 from drive #1 and installed L00056.

MKIII COMMENT: Sun Jun 5 00:52:47 GMT 1994  
Doing dark scan now.

LOW-L COMMENT: Sun Jun 5 00:52:58 GMT 1994  
Just noticed that it crashed at 23:56, loaded new tapes and restarted.  
Will send out e-mail w/ crash parameters.

Sun Jun 5 01:30:13 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 17:21:49. 6/4/94 DOY 155

17:27:15	17:30:26	17:33:39	17:36:51	17:40:05
17:43:15	17:46:27	17:49:38	17:52:49	17:55:59
17:59:10	1806 0 CL	18:09:28	1818 15CL	1839 0 CL
18:46:17	1854 15CL	19:11:13	19:14:23	19:17:32
19:20:39	19:23:47	19:26:54	19:30:02	19:33:09
19:36:17	19:39:24	19:42:32	19:45:39	19:48:48
19:51:56	19:55:09	19:58:18	19:59:49	20:01:30
20:04:38	20:07:45	20:10:54	20:14:01	20:17:10
20:20:18	20:23:26	20:26:34	20:29:42	20:32:50
20:35:58	20:39:06	20:42:15	20:45:22	20:48:31
20:51:38	20:54:47	20:57:54	21:01:03	21:04:10
21:07:19	21:10:26	21:13:35	21:16:43	21:19:53
21:23:01	21:26:10	21:29:17	21:32:26	21:35:34
21:38:43	21:41:50	21:44:59	21:48:07	21:51:15
21:54:23	21:57:34	22:00:41	22:03:50	22:06:58
22:10:07	22:13:14	22:16:23	22:19:31	22:22:40
22:25:48	22:28:57	22:32:05	22:35:14	22:38:22
22:41:31	22:44:39	22:47:48	22:50:56	22:54:05
22:57:13	23:00:24	23:03:32	23:06:41	23:09:49
23:12:58	23:16:06	23:19:15	23:22:23	23:25:33
23:28:40	23:31:50	23:34:57	23:38:07	23:41:14
23:44:23	23:47:31	23:50:40	23:53:48	23:56:58
0:00:06	0:03:15	0:06:23	0:09:32	0:12:40
0:15:49	0:18:57	0:22:07	0:25:15	0:28:24
0:31:32	0:34:41	0:37:49	0:40:59	0:44:08
0:53:19				

0 ERRORS

OK