

Mauna Loa Solar Observatory Observer's Log

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Thu Apr 20 16:38:17 GMT 1995

Year: 95 Doy: 110

Observer: yasukawa console Apr 20 16:34

WEATHER COMMENT: Thu Apr 20 16:38:33 GMT 1995

Cool, clear, light south wind. Temp=48F.

LOW-L COMMENT: Thu Apr 20 16:39:03 GMT 1995

L00221 popped, removed and loaded L00223 into unit 1.

Thu Apr 20 16:46:28 GMT 1995: Patrol Start

Thu Apr 20 17:02:00 GMT 1995: Calibration

WEATHER COMMENT: Thu Apr 20 17:36:14 GMT 1995

Sky is noisy, breeze upslope now.

MKIII COMMENT: Thu Apr 20 17:40:17 GMT 1995

Wait, some of that noise looks instrumental.... looking into it.

MKIII COMMENT: Thu Apr 20 17:50:29 GMT 1995

Seeing streaking in coronal VMAP image. Checking out with opal in and 15 tlt.

MKIII COMMENT: Thu Apr 20 17:57:32 GMT 1995

Streaking is also in opal/15tlt image. Checking chan 1.

Thu Apr 20 18:02:02 GMT 1995: Calibration

MKIII COMMENT: Thu Apr 20 18:06:01 GMT 1995

Streaking not seen in channel 1. Want to swap micro inputs, but need to turn off power to micro and analog first. Stopping scans.

MKIII COMMENT: Thu Apr 20 18:13:26 GMT 1995

Console halted when I turned off micro. Tape has no double EOF after last file. Removed H01012, loaded H01013. H01012 has 23 files, beginning at 16:54, ending at last file, 18:05.

MKIII COMMENT: Thu Apr 20 18:30:22 GMT 1995

Streaking not visible in micro channel 0 VMAP with inputs swapped. (phasing and corrector tables are not swapped).

MKIII COMMENT: Thu Apr 20 18:42:51 GMT 1995  
Streaking not apparent in micro channel 1 VMAP either. Problem may have gone away when power was cycled to mirco or analog, or when 11/44 was rebooted. If streaks do not reappear after inputs are swapped back after again turning off micro and analog (which halts 11/44), plan will be to wait for recurrence, then cycle analog power, after checking, reboot 11/44, then try cycling micro power as last test along this investigative string of thought.

MKIII COMMENT: Thu Apr 20 18:48:44 GMT 1995  
Starting up H01013.

Thu Apr 20 19:02:04 GMT 1995: Calibration

MKIII COMMENT: Thu Apr 20 19:05:16 GMT 1995  
Streaking gone from both channels. I suspect that this problem is very likely related to the I dropouts. I think there is an intermittent problem that is becoming apparent due to component aging or connection deterioration in possibly the correctors and how they are either stored or applied to the data, or possibly in the 11/44 memory. The latter may relate to scan-log dropout and the corruption of data that occasionally occurs when FLIP is performed, re-writing an image from one slot to another in the PEEK workspace.

Calibrating MKIII.

COMMENT: Thu Apr 20 19:17:19 GMT 1995  
Guider declination recentered itself during coronal scan of calibration. repointed and reset guider.

Thu Apr 20 20:01:59 GMT 1995: Calibration

COMMENT: Thu Apr 20 20:03:24 GMT 1995  
Opening top of dome.

Thu Apr 20 21:01:57 GMT 1995: Calibration  
Thu Apr 20 22:01:59 GMT 1995: Calibration  
Thu Apr 20 22:04:06 GMT 1995: Patrol End

COMMENT: Thu Apr 20 22:06:35 GMT 1995  
Activity report:  
QP: 50; 62; 83; 90; 235; 287-292;

No coronal activity

Tapes:

MKIII: H01012, no double eof at end; H01013

DPMON: P00334

LOWL: L00222

Thu Apr 20 22:09:17 GMT 1995: Filemark

SCAN-LOG

SCAN-LOG 16:47:46. 4/20/95 DOY 110

16:54:42	16:57:54	17:01:06	17:04:18	17:07:28
17:10:39	17:13:49	17:17:01	17:20:11	17:23:23
17:26:36	17:29:55	17:33:06	17:36:19	17:39:31
17:42:42	17:45:52	1749 15CL	1752 15CL	17:55:31
17:58:43	18:01:55	18:05:06	18:50:00	18:53:11
18:56:20	18:59:36	19:02:45	1912 0 CL	19:15:13
1919 15CL	19:24:49	19:29:47	19:32:56	19:36:07
19:39:17	19:42:27	19:45:36	19:48:50	19:52:00
19:55:11	19:58:21	20:01:34	20:04:44	20:07:52
20:11:00	20:14:08	20:17:15	20:20:25	20:23:33
20:26:43	20:29:50	20:33:04	20:36:11	20:39:19
20:42:27	20:45:35	20:48:42	20:51:51	20:54:58
20:58:06	21:01:13	21:04:23	21:07:32	21:10:40
21:13:48	21:16:57	21:20:03	21:23:12	21:26:20
21:29:33	21:32:39	21:35:47	21:38:54	21:42:02
21:45:08	21:48:15	21:51:21	21:54:28	21:57:34
22:00:42				

0 ERRORS

OK

Files 1654 to 1805 on H01012, files 1850-2200 on H01013.