

Mauna Loa Solar Observatory Observer's Log

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Sun Sep 24 16:50:29 GMT 1995

Year: 95 Doy: 267

Observer: yasukawa console Sep 24 16:48

WEATHER COMMENT: Sun Sep 24 16:50:47 GMT 1995

Cool, clear, brisk south wind. Cirrus bands to east and west, a few patches to south.

MKIII COMMENT: Sun Sep 24 16:51:26 GMT 1995

Swapped A and

B inputs to microprocessor, swapped phase settings--input A to delay setting #B to #5 and the input B setting from #5 to #B. This was done to see if I dropout occurs in chan 1 data due to swap. This will tell us if the dropouts are occurring ahead or beyond the micro.

Sun Sep 24 17:02:03 GMT 1995: Patrol Start

MKIII COMMENT: Sun Sep 24 17:08:00 GMT 1995

Checking phasing of channels to make sure phase swap is appropriate.

MKIII COMMENT: Sun Sep 24 17:13:46 GMT 1995

Intuitive swap of phasing was incorrect. Checked and adjusted phasing with opal and 15 tilt. Both micro channels phased at setting #8 to get peaks at 0 and 180 degrees.

MKIII COMMENT: Sun Sep 24 17:20:24 GMT 1995

Orientation of coronal image on 1 CHAN CORONA is rotated, may not be able to get around that on for now. Will insert opal and tilt plate to confirm phasing again. I dropout will show up if it is going to happen regardless that I am not taking coronal data, so long as the data is going to tape.

MKIII COMMENT: Sun Sep 24 17:27:50 GMT 1995

Taking opal and tiltplate out, resuming swapped coronal scans in hopes that we will capture an I dropout. I plan to run like this until around 1800 UT and then I will swap the inputs and phasing back. I'll probably have to begin a new tape as stopping the micro will cause the tape to halt and rewind. I'll do a WEEP, 0EOF and 0BACK before turning off micro to

swap input connectors.

DPMON COMMENT: Sun Sep 24 17:39:56 GMT 1995  
Optics runaway. Resetting.

Sun Sep 24 18:00:02 GMT 1995: Calibration

MKIII COMMENT: Sun Sep 24 18:05:58 GMT 1995  
Rats! Opal was in. Forgot to take it out after phase check.  
Should not affect I-drop hunt but ruined coronal data.

MKIII COMMENT: Sun Sep 24 18:17:29 GMT 1995  
Stopped tape, doing OEOF and OBACK and turning off micro to  
swap inputs and reset nominal phasing of B for input A and 5  
for input B.

MKIII COMMENT: Sun Sep 24 18:30:23 GMT 1995  
Turning off micro does halt the PDP-11. Rebooting it rewinds  
the tape so I did have to remove H01124 and load H01125.  
Checked phasing and they look OK. Resuming coronal observations.

Sun Sep 24 19:03:02 GMT 1995: Calibration

COMMENT: Sun Sep 24 19:49:16 GMT 1995  
Opening top of dome.

Sun Sep 24 20:00:08 GMT 1995: Calibration  
Sun Sep 24 21:03:01 GMT 1995: Calibration

WEATHER COMMENT: Sun Sep 24 21:44:12 GMT 1995  
Sky is very noisy.

Sun Sep 24 22:03:00 GMT 1995: Calibration

WEATHER COMMENT: Sun Sep 24 22:14:13 GMT 1995  
In altostratus.

Sun Sep 24 22:15:05 GMT 1995: Patrol End

COMMENT: Sun Sep 24 22:16:08 GMT 1995  
Activity report:  
QP: 280-295;  
No coronal activity

Tapes: MKIII: H01124 and H01125

DPMON: P00456  
LOWL: L00316

Sun Sep 24 22:18:53 GMT 1995: Filemark  
SCAN-LOG  
SCAN-LOG 17:01:20. 9/24/95 DOY 267

H01124: INPUTS A & B TO MICROPROCESSOR SWAPPED

1707 15CL	1710 15CL	17:13:22	17:16:35	17:19:46
1723 15CL	17:26:07	17:29:19	17:32:30	17:35:42
17:38:53	17:42:06	17:45:17	17:48:29	17:51:39
17:54:50	17:58:00	18:01:11	18:04:20	18:07:32
18:10:42	18:13:53			

H01125: INPUTS RETURNED TO NORMAL

		18:30:45	18:33:56	18:37:05
1841 0 CL	18:44:58	1849 15CL	18:53:54	18:58:15
19:01:22	19:04:30	19:07:37	19:10:44	19:13:51
19:16:58	19:20:03	19:23:11	19:26:18	19:29:24
19:32:29	19:35:36	19:38:41	19:41:48	19:44:53
19:48:01	19:51:08	19:54:14	19:57:19	20:00:26
20:03:31	20:06:37	20:09:43	20:12:49	20:15:55
20:19:02	20:22:07	20:25:14	20:28:20	20:31:28
20:34:34	20:37:42	20:40:47	20:43:54	20:47:00
20:50:07	20:53:12	20:56:18	20:59:24	21:02:30
21:05:35	21:08:42	21:11:47	21:14:53	21:17:59
21:21:07	21:24:14	21:27:20	21:30:26	21:33:32
21:36:38	21:39:45	21:42:51	21:45:59	21:49:05
21:52:12	21:55:18	21:58:25	22:01:31	22:04:38
22:07:44	22:10:51	22:13:58		

0 ERRORS

OK