
Mauna Loa Solar Observatory Observer's Log

Wed Oct 23 16:34:45 GMT 1996

Year: 96 Doy: 297

Observer: yasukawa

Wed Oct 23 16:34:41 GMT 1996 CHIP Startup--Initializing new tape

WEATHER COMMENT: Wed Oct 23 16:34:48 GMT 1996

Cool, clear, brisk southeast wind.

DPMON COMMENT: Wed Oct 23 16:35:06 GMT 1996

Occulter = 1971

Wed Oct 23 16:48:09 GMT 1996 CHIP CHIP Start Patrol

Wed Oct 23 16:48:19 GMT 1996 dPMon Start Patrol

Wed Oct 23 17:01:01 GMT 1996 dPMon Flat

Wed Oct 23 17:01:26 GMT 1996 CHIP Bias

Wed Oct 23 17:01:57 GMT 1996 dPMon End Flat

Wed Oct 23 17:02:36 GMT 1996 CHIP End Bias

Wed Oct 23 17:02:47 GMT 1996 CHIP Water

Wed Oct 23 17:03:19 GMT 1996 CHIP End Water

Wed Oct 23 17:05:59 GMT 1996 dPMon End Patrol

DPMON COMMENT: Wed Oct 23 17:12:01 GMT 1996

Changed occulter to larger size, from 1971 (#5) to 1981 (#4).

Wed Oct 23 17:12:58 GMT 1996 dPMon Start Patrol

Wed Oct 23 18:00:56 GMT 1996 dPMon Flat

Wed Oct 23 18:01:23 GMT 1996 CHIP Bias

Wed Oct 23 18:01:49 GMT 1996 dPMon End Flat

Wed Oct 23 18:02:31 GMT 1996 CHIP End Bias

Wed Oct 23 18:02:41 GMT 1996 CHIP Water

Wed Oct 23 18:03:14 GMT 1996 CHIP End Water

DPMON COMMENT: Wed Oct 23 18:36:20 GMT 1996

Small epl at PA 210.

DPMON COMMENT: Wed Oct 23 18:59:03 GMT 1996

EPL at PA210 GONE.

Wed Oct 23 19:00:55 GMT 1996 dPMon Flat

Wed Oct 23 19:01:27 GMT 1996 CHIP Bias

Wed Oct 23 19:01:48 GMT 1996 dPMon End Flat

Wed Oct 23 19:02:29 GMT 1996 CHIP End Bias

Wed Oct 23 19:02:39 GMT 1996 CHIP Water

Wed Oct 23 19:03:14 GMT 1996 CHIP End Water

Wed Oct 23 20:00:58 GMT 1996 dPMon Flat

Wed Oct 23 20:01:27 GMT 1996 CHIP Gain

Wed Oct 23 20:01:54 GMT 1996 dPMon End Flat

MKIII COMMENT: Wed Oct 23 20:04:04 GMT 1996

Stopping MKIII to work on chan 1.

Wed Oct 23 20:06:17 GMT 1996 CHIP End Gain

Wed Oct 23 20:06:26 GMT 1996 CHIP Bias

Wed Oct 23 20:07:07 GMT 1996 CHIP End Bias

Wed Oct 23 20:07:17 GMT 1996 CHIP Water

Wed Oct 23 20:07:46 GMT 1996 CHIP End Water
Wed Oct 23 21:01:00 GMT 1996 dPMon Flat
Wed Oct 23 21:01:51 GMT 1996 dPMon End Flat
Wed Oct 23 21:03:23 GMT 1996 CHIP Bias
Wed Oct 23 21:04:37 GMT 1996 CHIP End Bias
Wed Oct 23 21:04:47 GMT 1996 CHIP Water
Wed Oct 23 21:05:24 GMT 1996 CHIP End Water
Wed Oct 23 22:00:55 GMT 1996 dPMon Flat
Wed Oct 23 22:01:47 GMT 1996 dPMon End Flat
Wed Oct 23 22:03:24 GMT 1996 CHIP Bias
Wed Oct 23 22:04:37 GMT 1996 CHIP End Bias
Wed Oct 23 22:04:47 GMT 1996 CHIP Water
Wed Oct 23 22:05:24 GMT 1996 CHIP End Water
Wed Oct 23 23:00:55 GMT 1996 dPMon Flat
Wed Oct 23 23:01:46 GMT 1996 dPMon End Flat
Wed Oct 23 23:03:24 GMT 1996 CHIP Bias
Wed Oct 23 23:04:28 GMT 1996 CHIP End Bias
Wed Oct 23 23:04:38 GMT 1996 CHIP Water
Wed Oct 23 23:05:16 GMT 1996 CHIP End Water
Wed Oct 23 23:21:56 GMT 1996 dPMon End Patrol
Wed Oct 23 23:23:36 GMT 1996 CHIP CHIP End Patrol

COMMENT: Wed Oct 23 23:51:52 GMT 1996

Actovoty report:

QP: 55-70; 82; 115-125; 230; 285-290;
small epl at PA 210 between 1836-1839 UT.
No coronal activity

TAPES: MKIII: H01421
DPMON: P00745
CHIP: C00162
LOWL: L00421

MKIII COMMENT: Wed Oct 23 23:54:51 GMT 1996

I tried a bunch of swaps after a further attempt to align the detectors using the height mask. Swapped most of DCSB cards with chan 0 but kept seeing the same results. Light corrector table pegged most of upper half. Correct seems to only affect lower pixels and upper pixels remain highly on the negative side in P-S waveform. Also tried reducing P+S gain and Line driver gain to no avail.

I tried swapping optical channels at the line driver input and did a correct on chan 1 using chan 0 detectors and preamp.
THAT WAS SUCCESSFUL!

The problem seems to be above the line driver.

I tried one last effort--I put the compensator plates back in, with no attempt to refocus. I got the same response as with them out. I removed them again and tightened down the preamp

which was a little loose.

tried one last correct and got the same corrector response.

Regrouping on the drive down where I sometimes come up with great ideas.... or at least good critiques of work done.

SCAN-LOG

SCAN-LOG 16:53:48. 10/23/96 DOY 297

17:16:47	17:20:02	17:23:17	17:26:31	17:29:46
17:33:00	17:36:15	17:39:28	17:42:42	17:45:54
17:49:08	17:52:21	17:55:35	17:58:48	18:02:01
18:05:14	1809 0 CL	18:13:21	1817 15CL	18:21:20
18:25:12	18:28:26	18:31:44	18:34:56	18:38:10
18:41:22	18:44:35	18:47:47	18:51:00	18:54:12
18:57:26	19:00:37	19:03:49	19:07:00	19:10:13
19:13:25	19:16:38	19:19:48	19:23:00	19:26:11
19:29:24	19:32:35	19:35:48	19:38:59	19:42:12
19:45:25	19:48:37	19:51:49	19:55:01	19:58:13
20:01:27				

0 ERRORS

OK