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Mauna Loa Solar Observatory Observer's Log  
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Mon Aug 12 16:55:51 GMT 1996

Year: 96 Doy: 225

Observer: koon

WEATHER COMMENT: Mon Aug 12 16:55:55 GMT 1996

Clear sky, wind=10 mph from the SE, temp=49 F.

Mon Aug 12 16:56:32 GMT 1996 CHIP Startup--Initializing new tape

Mon Aug 12 17:00:10 GMT 1996 dPMon Start Patrol

Mon Aug 12 17:00:24 GMT 1996 CHIP CHIP Start Patrol

Mon Aug 12 18:00:56 GMT 1996 dPMon Flat

Mon Aug 12 18:01:48 GMT 1996 dPMon End Flat

Mon Aug 12 18:02:16 GMT 1996 CHIP Bias

Mon Aug 12 18:03:30 GMT 1996 CHIP End Bias

Mon Aug 12 18:03:37 GMT 1996 CHIP Water

Mon Aug 12 18:04:17 GMT 1996 CHIP End Water

CHIP COMMENT: Mon Aug 12 18:53:07 GMT 1996

Stalled with Program:FixCenter and Optics:Busy, no clouds.

Mon Aug 12 19:00:59 GMT 1996 dPMon Flat

CHIP COMMENT: Mon Aug 12 19:01:37 GMT 1996

Used Kill/Run to restart Patrol, talked to David first to see if anything different should be done since he recently made some program changes.

Mon Aug 12 19:04:20 GMT 1996 CHIP CHIP Start Patrol

MKIII COMMENT: Mon Aug 12 19:05:04 GMT 1996

Vdiff images show distinct concentric rings of alternating light and dark.

Maybe a problem with the analog cards.

CHIP COMMENT: Mon Aug 12 19:18:52 GMT 1996

FixCenter seems to be driving the O1 farther and farther from where it should be in both X and Y directions. I'll drive it back manually.

CHIP COMMENT: Mon Aug 12 19:30:49 GMT 1996

patrol stalled, maybe due to my centering change, will restart after doing the change requested by David.

CHIP COMMENT: Mon Aug 12 19:39:00 GMT 1996

Restarting Patrol with new version of Accumulate.

Mon Aug 12 19:44:03 GMT 1996 CHIP CHIP Start Patrol

Mon Aug 12 20:00:57 GMT 1996 dPMon Flat

Mon Aug 12 20:01:51 GMT 1996 dPMon End Flat

Mon Aug 12 20:04:32 GMT 1996 CHIP Gain

Mon Aug 12 20:09:19 GMT 1996 CHIP End Gain

Mon Aug 12 20:09:29 GMT 1996 CHIP Bias

Mon Aug 12 20:10:08 GMT 1996 CHIP End Bias

Mon Aug 12 20:10:18 GMT 1996 CHIP Water

Mon Aug 12 20:10:51 GMT 1996 CHIP End Water

COMMENT: Mon Aug 12 20:26:38 GMT 1996

Extended dome slot.

CHIP COMMENT: Mon Aug 12 20:38:55 GMT 1996

FixCenter moving O1 towards lower numbers, I keep moving it manually back to the correct position, it looks like it has stabilized now.

MKIII COMMENT: Mon Aug 12 20:50:31 GMT 1996

Stopped taking data, did OEOF, turned off Analog power, removed and reseated the corrector boards in an attempt to eliminate the concentric rings.

Mon Aug 12 21:00:51 GMT 1996 dPMon Flat

Mon Aug 12 21:01:44 GMT 1996 dPMon End Flat

Mon Aug 12 21:04:13 GMT 1996 CHIP Bias

Mon Aug 12 21:05:29 GMT 1996 CHIP End Bias

Mon Aug 12 21:05:39 GMT 1996 CHIP Water

Mon Aug 12 21:06:24 GMT 1996 CHIP End Water

MKIII COMMENT: Mon Aug 12 21:21:13 GMT 1996

Removing and reseating the I/O boards seems to have eliminated the concentric rings from channel 0, but channel 1 looks noisy now, and the o-scopes seem to have lost sync. I will stop taking data and reseal the I/O board for channel 1 and rerun setup to hopefully fix these problems.

CHIP COMMENT: Mon Aug 12 21:56:39 GMT 1996

Stopped Patrol so David could capture an image to transfer later, stalled on FixCenter, did Kill/Run to resume.

Mon Aug 12 22:00:23 GMT 1996 CHIP CHIP Start Patrol  
Mon Aug 12 22:00:59 GMT 1996 dPMon Flat  
Mon Aug 12 22:01:50 GMT 1996 dPMon End Flat

MKIII COMMENT: Mon Aug 12 22:46:14 GMT 1996

I haven't been taking data since 2130 because I've tried to get the data signal to look good. I tried rebooting the computer but the o-scope traces still move across the screen instead of being fixed. The contours of the Corona scans have varied each time I reseated the I/O boards, the connections don't feel tight. The vdiffs show vertical streaks now, instead of concentric, but that may have improved after the last board reseating, it is difficult to tell because of possible noisy sky conditions.

96 CHIP End Bias

Mon Aug 12 23:04:36 GMT 1996 CHIP Water  
Mon Aug 12 23:05:16 GMT 1996 CHIP End Water

WEATHER COMMENT: Mon Aug 12 23:10:31 GMT 1996

Orographic clouds are passing by.

Mon Aug 12 23:12:05 GMT 1996 CHIP CHIP End Patrol

CHIP COMMENT: Mon Aug 12 23:14:21 GMT 1996

Clouds didn't seem to affect FixCenter, and I was able to exit from Patrol gracefully.

Mon Aug 12 23:48:43 GMT 1996 CHIP ending tape

COMMENT: Mon Aug 12 23:55:24 GMT 1996

Activity report:

QP: 127; 210; 223; 231; 261; 275-285; 305-315.

No coronal activity.

TAPES:

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MKIII: H01361

DPMON: P00682

CHIP: C00099

LOWL: L00408 in drive #0

SCAN-LOG

SCAN-LOG 17:00:40. 8/12/96 DOY 225

17:05:58	1 17:09:12	17:12:30	17:15:46	17:19:01
17:22:14	17:25:28	17:28:40	17:31:54	17:35:06
17:38:24	17:41:37	17:44:50	17:48:02	17:51:15
17:54:27	1758 0 CL	18:01:28	1806 15CL	18:19:25
18:24:51	18:28:05	18:31:24	18:34:35	18:37:48
18:41:01	18:44:13	18:47:25	18:50:38	18:53:49
18:57:06	19:00:17	19:03:29	19:06:40	19:09:52
19:13:03	19:16:17	19:19:27	19:22:39	19:25:49
19:29:01	19:32:11	19:35:23	19:38:34	19:41:52
19:45:05	19:48:17	19:51:29	19:54:41	19:57:52
20:01:05	20:04:16	20:07:29	20:10:40	20:13:53
20:17:05	20:20:18	20:23:30	20:26:43	20:29:55
20:33:08	20:36:20	20:39:33	20:42:44	20:49:03
20:52:16	20:55:28	20:58:46	21:01:59	21:05:16
21:08:27	21:11:41	21:14:51	21:18:03	21:29:54
21:33:05				

1 ERRORS

OK