Mauna Loa Solar Observatory Observer's Log -----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 Start Patrol CHIP 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 End Gain CHIP 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

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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.
                                dPMon
Mon Aug 12 21:00:51 GMT 1996
                                         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
                                         End Bias
                                CHIP
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 reseat 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 verti
cal 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
                                         ending tape
                                CHIP
COMMENT: Mon Aug 12 23:55:24 GMT 1996
Activity report:
OP: 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 17:19:01 17:05:58 1 17:09:12 17:12:30 17:15:46 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 18:28:05 18:37:48 18:24:51 18:31:24 18:34:35 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 21:14:51 21:18:03 21:29:54 21:08:27 21:11:41

21:33:05

1 ERRORS

OK