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Mauna Loa Solar Observatory Observer's Log
    ______
       Sun Sep 12 17:07:22 GMT 2010
Year: 10 Doy: 255
Observer: koon
WEATHER COMMENT: Sun Sep 12 17:07:23 GMT 2010
Clear sky, wind=2mph from the West, temp=48F.
end
Sun Sep 12 17:14:08 GMT 2010
                               MKTV
                                       Start Patrol
Sun Sep 12 17:14:34 GMT 2010
                               CHIP
                                        Start Patrol
Sun Sep 12 17:14:53 GMT 2010 H-ALPHA Start Patrol
Sun Sep 12 17:20:23 GMT 2010
                              MKIV
                                       End Patrol
Sun Sep 12 17:25:31 GMT 2010: PSPT Start Patrol
Sun Sep 12 17:39:26 GMT 2010
                               MKIV
                                       Start Patrol
Sun Sep 12 17:45:48 GMT 2010
                              MKIV
                                       End Patrol
**CHIP PROBLEM COMMENT BY DARRYL**: Sun Sep 12 17:36:20 GMT 2010
Stalled with Program: Exposures, Optics: Busy, on WaitOpti, after 6 sets of
good images and a good GUI startup. Will do a pau/kill tasks/run cycle to fix
___end
**MKIV PROBLEM COMMENT BY DARRYL**: Sun Sep 12 18:50:18 GMT 2010
The realtime and pseudocal images look like snow-type noise. Analog signal
"double-humps" looks normal, tried swapping line receiver chip at U35 with
a good spare without success. Maybe the Digital Input Module on the
MV200 board is bad, I will order a new one ASAP. I'm searching logs and
emails for similar problems from the past.
end
Sun Sep 12 19:18:15 GMT 2010
                               CHIP
                                        Start Patrol
**CHIP PROBLEM COMMENT BY DARRYL**: Sun Sep 12 19:14:30 GMT 2010
Had to reset Alakai to get "run" to work, now stalled with Program: Init,
will do another pau/kill task/run cycle and reset Alakai 1st. Working.
end
Sun Sep 12 19:46:10 GMT 2010
                               CHIP
                                        End Patrol
NOTE BY DARRYL: Sun Sep 12 19:46:15 GMT 2010
I'm pausing the spar instruments, then I will adjust the dome slot and try
some experiments with Mk4 MV200 boards, then I'll go back to normal obs.
  end
Sun Sep 12 19:48:09 GMT 2010 H-ALPHA End Patrol
Sun Sep 12 20:07:00 GMT 2010
                               MKIV
                                       Start Patrol
Sun Sep 12 20:13:16 GMT 2010
                               MKIV
                                       End Patrol
Sun Sep 12 20:34:13 GMT 2010
                              MKIV
                                      Start Patrol
Sun Sep 12 20:59:36 GMT 2010
                               MKIV
                                       Start Patrol
Sun Sep 12 21:05:51 GMT 2010
                               MKIV
                                      End Patrol
Sun Sep 12 21:35:46 GMT 2010
                               MKIV
                                      Start Patrol
Sun Sep 12 21:41:28 GMT 2010 H-ALPHA Start Patrol
Sun Sep 12 21:41:26 GMT 2010
                               CHIP
                                        Start Patrol
NOTE BY DARRYL: Sun Sep 12 21:41:24 GMT 2010
Done testing MV200 board, restarting spar instruments.
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end Sun Sep 12 21:57:41 GMT 2010 MKIV Start Patrol \*\*MKIV PROBLEM COMMENT BY DARRYL\*\*: Sun Sep 12 21:42:02 GMT 2010 I swapped the current MV200 board for a know good spare that doesn't have a digital input module (DIM), I used the DIM from the current board and got the exact same results, snow-like noise instead of data. I also tried a bad DIM on the current MV200 board and got a different bad result, there was no snow-like noise, just a white scan and no plotted gif, the barrel turns CCW to a limit and stays there. Perhaps the old bad DIM module failed due to a different reason or perhaps the current DIM is really OK, we need at least one spare DIM anyway since these fail relatively often so I'll buy one anyway. end Sun Sep 12 23:02:47 GMT 2010 CHIP LSD Sun Sep 12 23:04:21 GMT 2010 CHIP End LSD Sun Sep 12 23:04:29 GMT 2010 CHIP BiasLSD Sun Sep 12 23:05:07 GMT 2010 CHIP End BiasLSD Sun Sep 12 23:05:15 GMT 2010 CHIP Bias Sun Sep 12 23:05:48 GMT 2010 CHIP End Bias Sun Sep 12 23:05:55 GMT 2010 CHIP ReStart Patrol Sun Sep 12 23:17:07 GMT 2010 CHIP End Patrol Sun Sep 12 23:19:39 GMT 2010 H-ALPHA End Patrol Sun Sep 12 23:20:49 GMT 2010: PSPT Abort Patrol \*\*MKIV PROBLEM COMMENT BY DARRYL\*\*: Sun Sep 12 23:22:13 GMT 2010 I'll put the current DIM back on the current MV200 board and put that back in place. Further troubleshooting needs to be done on this snow-like signal problem. Previous logs don't show an exact match, I saw a similar signal bacl aroun DOY 130 in 2009 when I was trouble shooting one of the many simultaneous Mk4 problems, I think I had changed the jumpers for the BIN signal to get the barrel to work correctly instead of stopping at the CCW limit as I saw today with the old DIM module in place, later we found that the line receiver at U35 on the transformation board was bad and all jumpers were put back to normal. Anyway that is the only "snow-like signal" comments I could find in the logs, the signal looks like TV "snow" - what you see when there isn't any modulated signal on a VHF/UHF TV channel. end \*\*PSPT PROBLEM COMMENT BY DARRYL\*\*: Sun Sep 12 23:39:16 GMT 2010 "Shutdown" didn't complete, didn't get to "park dome" part and GUI was unusable so I killed runPspt task and ran Pspt and then chose Shutdown again, it shutdown properly then. end Sun Sep 12 23:57:35 GMT 2010 MkIV 17 14.rawmk4 17 39.rawmk4 20 07.rawmk4 20 34.rawmk4 20 59.rawmk4 17 17.rawmk4 17 42.rawmk4 20 10.rawmk4 20 37.rawmk4 21 02.rawmk4