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--------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
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          Wed Apr 29 17:12:24 GMT 2009
Year: 09  Doy: 119
Observer: koon
WEATHER COMMENT: Wed Apr 29 17:12:26 GMT 2009
Thin to medium cirrostratus overcast, wind=5mph from the WSW, temp=44F.
___end___
Wed Apr 29 17:15:26 GMT 2009     CHIP      Start Patrol
Wed Apr 29 17:16:05 GMT 2009     PICS      Start Patrol
Wed Apr 29 18:00:46 GMT 2009     CHIP      LSD
Wed Apr 29 18:02:25 GMT 2009     PICS      Flat
Wed Apr 29 18:02:18 GMT 2009     CHIP      End LSD
Wed Apr 29 18:02:24 GMT 2009     CHIP      BiasLSD
Wed Apr 29 18:03:08 GMT 2009     CHIP      End BiasLSD
Wed Apr 29 18:03:15 GMT 2009     CHIP      Bias
Wed Apr 29 18:03:55 GMT 2009     CHIP      End Bias
Wed Apr 29 18:04:00 GMT 2009     CHIP      ReStart Patrol
Wed Apr 29 18:04:51 GMT 2009     PICS      End Flat
Wed Apr 29 18:05:00 GMT 2009     MKIV    Start Patrol
Wed Apr 29 18:04:57 GMT 2009     PICS      ReStart Patrol
Wed Apr 29 18:46:18 GMT 2009     MKIV    End Patrol
PSPT COMMENT: Wed Apr 29 18:53:38 GMT 2009
obs.
___end___
COMMENT: Wed Apr 29 19:15:19 GMT 2009
Extended the dome slot.
___end___
**GONG PROBLEM**: Wed Apr 29 19:36:44 GMT 2009
Back from shelter, swapped in higher gain guider board to test if it will
control early morning oscillations better.
___end___
**PSPT PROBLEM**: Wed Apr 29 19:47:23 GMT 2009
Crashed, restarted.
___end___
Wed Apr 29 20:31:33 GMT 2009     MKIV    Start Patrol
Wed Apr 29 20:54:05 GMT 2009     MKIV    Start Patrol
Wed Apr 29 21:37:39 GMT 2009     MKIV    Start Patrol
WEATHER COMMENT: Wed Apr 29 22:16:35 GMT 2009
Thin cirrostratus and haze all day.
___end___
Wed Apr 29 22:24:23 GMT 2009     MKIV    Start Patrol
**MKIV PROBLEM**: Wed Apr 29 22:25:14 GMT 2009
Searched logs and emails for similar problems.  Tried changing 24 vdc on
spar power supply for barrel from PS1 to PS2 (white power supply boxes
above spar junction with pier up in main dome) to see if this would improve
anything because it did improve a problem with some similar symptoms back
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in April 2003, but it didn't change anything, we still have the barrel
running CCW until CCW limit at 274 with no apparent data shown on realtime
scan GUI with old MV200 video card in place, and we still have sectored
concentric ring looking scans with slow down scanning rates sometimes but
a continuously scanning barrel with the spare MV200 board in place. Switched
PS1 and PS2 outputs back to normal. Tried connecting a computer video
monitor to the output jacks on each MV200 card, saw a 0.5"x3.0" horizontal
rectangle of mostly white and one column of checkerboard-like pattern of
rectangles at far right of screen when using spare MV200 board in place and
scanning or with barrel still, with the old mv200 board in place I saw a
checkerboard-like pattern of different shaded rectangles over the entire
monitor whether scanning or with barrel still. Not sure why the output was
different between the boards, or if the output was the "modulation states"
David mentioned, I'll ask him. Old MV200 board is in place. Will continue
searching for similar past problems next time.
___end___
Wed Apr 29 22:42:31 GMT 2009   CHIP   End Patrol
Wed Apr 29 22:42:59 GMT 2009   PICS   End Patrol
Wed Apr 29 22:53:16 GMT 2009   MKIV   Start Patrol
Wed Apr 29 23:27:31 GMT 2009   MKIV   End Patrol
Wed Apr 29 23:39:03 GMT 2009
        MkIV

20_54.rawmk4   21_12.rawmk4   21_45.rawmk4   22_15.rawmk4   23_11.rawmk4
20_55.rawmk4   21_13.rawmk4   21_51.rawmk4   22_53.rawmk4   23_17.rawmk4
20_56.rawmk4   21_20.rawmk4   21_53.rawmk4   22_54.rawmk4   23_19.rawmk4
21_02.rawmk4   21_37.rawmk4   21_59.rawmk4   22_55.rawmk4   23_25.rawmk4
21_04.rawmk4   21_40.rawmk4   22_01.rawmk4   23_02.rawmk4
21_06.rawmk4   21_42.rawmk4   22_07.rawmk4   23_03.rawmk4
21_09.rawmk4   21_43.rawmk4   22_09.rawmk4   23_09.rawmk4