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Mauna Loa Solar Observatory Observer's Log
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       Tue Jul 17 16:34:43 GMT 2007
Year: 07 Doy: 198
Observer: koon
WEATHER COMMENT: Tue Jul 17 16:34:44 GMT 2007
Clear sky, wind=15 mph from the SE, temp=45F.
 end
Tue Jul 17 16:43:31 GMT 2007
                              CHIP
                                       Start Patrol
Tue Jul 17 16:43:45 GMT 2007
                              PICS
                                       Start Patrol
Tue Jul 17 16:45:58 GMT 2007
                              MKIV
                                      Start Patrol
**MKIV PROBLEM**: Tue Jul 17 16:47:55 GMT 2007
Up and scanning, but scans look noisy.
end
PSPT COMMENT: Tue Jul 17 17:08:56 GMT 2007
Obs.
end
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue Jul 17 17:23:31 GMT 2007
Tue Jul 17 18:01:48 GMT 2007
                              CHIP
                                       LSD
Tue Jul 17 18:02:18 GMT 2007
                              PICS
                                       Flat
Tue Jul 17 18:03:35 GMT 2007
                              MKIV
                                      End Patrol
                              CHIP
Tue Jul 17 18:03:31 GMT 2007
                                       End LSD
Tue Jul 17 18:03:47 GMT 2007
                              MKIV
                                      Start Cal
Tue Jul 17 18:03:44 GMT 2007
                                       BiasLSD
                              CHIP
Tue Jul 17 18:04:40 GMT 2007
                              PICS
                                       End Flat
Tue Jul 17 18:04:41 GMT 2007
                                       End BiasLSD
                               CHIP
Tue Jul 17 18:04:52 GMT 2007
                              PICS
                                       ReStart Patrol
Tue Jul 17 18:04:54 GMT 2007
                              CHIP
                                       Bias
Tue Jul 17 18:05:52 GMT 2007
                                       End Bias
                              CHIP
Tue Jul 17 18:06:00 GMT 2007
                              CHIP
                                       ReStart Patrol
Tue Jul 17 18:22:35 GMT 2007
                              MKIV
                                      End Cal
Tue Jul 17 18:24:41 GMT 2007
                              MKIV
                                      Start Patrol
**MKIV PROBLEM**: Tue Jul 17 18:25:32 GMT 2007
Weather is good but the scans look bad, lots of radial streaks, a faint
corona can be seen on all but the realtime scan images. Did a cal earlier.
  end
COMMENT: Tue Jul 17 20:17:51 GMT 2007
Extended the dome slot.
  end
COMMENT: Tue Jul 17 21:17:21 GMT 2007
Lost Dec guiding, repointed and reset guider.
end
**PSPT PROBLEM**: Tue Jul 17 21:17:37 GMT 2007
Crashed, restarted.
  end
**MKIV PROBLEM**: Tue Jul 17 22:46:39 GMT 2007
I'm going to try to change a dual jumper set, P405 on the Signal Transformation
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Board, I'm hoping this will invert the pixel clock signal and that will get
the data back to normal.
end
Tue Jul 17 22:56:33 GMT 2007
                               MKIV
                                       Start Patrol
Tue Jul 17 22:56:34 GMT 2007
                                       Start Patrol
                               MKIV
**MKIV PROBLEM**: Tue Jul 17 23:23:31 GMT 2007
That jumper change didn't change anything in the visible data. David suggests
changing all 4 sets of double jumpers in that Camera Timing circuit so I'll
stop and try that next, all 4 jumpers 404-407 will be opposite from what they
were before today.
____end_
Tue Jul 17 23:26:42 GMT 2007
                               MKIV
                                       End Patrol
Tue Jul 17 23:38:08 GMT 2007
                               MKIV
                                       Start Patrol
   MKIV
          Start Patrol
Tue Jul 17 23:44:25 GMT 2007
                               MKIV
                                     End Patrol
**MKIV PROBLEM**: Tue Jul 17 23:46:11 GMT 2007
That complete jumper change gave a lot of concentric rings. Next I'll try
putting everything back to normal except for jumper P407.
  end
**MKIV PROBLEM**: Tue Jul 17 23:52:02 GMT 2007
I have to repoint the spar in between each jumper change since guider power
gets turned off with the transformation board power.
end
Tue Jul 17 23:54:02 GMT 2007
                               MKIV
                                       Start Patrol
Tue Jul 17 23:54:03 GMT 2007
                               MKIV
                                       Start Patrol
**MKIV PROBLEM**: Tue Jul 17 23:56:41 GMT 2007
With only jumper P407 changed the scans looks like snow noise.
end
Wed Jul 18 00:00:26 GMT 2007
                               MKIV
                                       End Patrol
**MKIV PROBLEM**: Wed Jul 18 00:01:13 GMT 2007
Next only jumper P406 will be reversed from normal, in that camera timing set
of 4 jumper pairs.
end
Wed Jul 18 00:07:29 GMT 2007
                               MKIV
                                       Start Patrol
**MKIV PROBLEM**: Wed Jul 18 00:09:45 GMT 2007
With only jumper P406 changed the data looks like snow noise.
end
Wed Jul 18 00:13:58 GMT 2007
                               MKIV
**MKIV PROBLEM**: Wed Jul 18 00:17:48 GMT 2007
I've already tried reversing only jumper P405 so this next time I'll try reversing
just jumper P404.
end
Wed Jul 18 00:24:25 GMT 2007
                               MKIV
                                       Start Patrol
WEATHER COMMENT: Wed Jul 18 00:25:16 GMT 2007
Clouds passing over at times.
end
**MKIV PROBLEM**: Wed Jul 18 00:25:53 GMT 2007
Scans still look noisy, sort of snowy with some patterns near the
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occulter. This was jumper P404.
end
Wed Jul 18 00:30:56 GMT 2007
                                MKIV
                                        End Patrol
Wed Jul 18 00:30:58 GMT 2007
                                MKIV
                                        End Patrol
          End Patrol
**MKIV PROBLEM**: Wed Jul 18 00:32:23 GMT 2007
Next I'll try it with jumpers P405 and P407 reversed from normal.
Wed Jul 18 00:38:45 GMT 2007
                                        Start Patrol
                                MKIV
WEATHER COMMENT: Wed Jul 18 00:40:13 GMT 2007
Thick clouds are making the testing more difficult.
end
**MKIV PROBLEM**: Wed Jul 18 00:44:25 GMT 2007
with jumpers P407 and P405 reversed the scans look like snowy noise with some
radial streaks apparent near occulter.
  end
Wed Jul 18 00:45:26 GMT 2007
                                MKIV
                                        End Patrol
**MKIV PROBLEM**: Wed Jul 18 00:45:49 GMT 2007
Nest I'll try it with P405-407 reversed, all except P404.
Wed Jul 18 00:52:42 GMT 2007
                                MKIV
                                        Start Patrol
    MKIV
            Start Patrol
**MKIV PROBLEM**: Wed Jul 18 00:56:30 GMT 2007
With Jumpers P405-407 reversed the scans look snowy with some radial streaks
near the occulter. Will set all jumpers back to normal next.
____end
    MKIV
            End Patrol
Wed Jul 18 00:59:27 GMT 2007Wed Jul 18 00:59:27 GMT 2007
                                                                    End Patrol
                                                            MKTV
Wed Jul 18 01:12:58 GMT 2007
                               MKIV
                                        Start Patrol
**MKIV PROBLEM**: Wed Jul 18 01:14:53 GMT 2007
The jumpers are back to the normal positions, the scan looks like it did this
morning, still bad but not as bad as when I tried other jumper positions.
There are many possible combinations for these jumpers, I tried some,
I'll draw up a diagram of the other possibilities for anyone else who
wants to continue trying all the combos.
end
    MKIV
            End Patrol
            End Patrol
    MKIV
Wed Jul 18 01:19:48 GMT 2007
                                        End Patrol
                                MKIV
    MKIV
            End Patrol
Wed Jul 18 02:01:47 GMT 2007
                                CHIP
                                         End Patrol
Wed Jul 18 02:02:00 GMT 2007
                                PICS
                                         End Patrol
NICE PICSLIMB IMAGE: 1708
NICE PICSDISC IMAGE: 1707
NICE CHIP
             IMAGE: 1704
Wed Jul 18 02:16:22 GMT 2007
        MkIV
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00_36.rawmk4	17_51.rawmk4	19_20.rawmk4	20_36.rawmk4	21_53.rawmk4
01_12.rawmk4	17_54.rawmk4	19_23.rawmk4	20_39.rawmk4	21_56.rawmk4
07_07.rawmk4	17_57.rawmk4	19_26.rawmk4	20_42.rawmk4	21_59.rawmk4
07_17.rawmk4	18_00.rawmk4	19_29.rawmk4	20_45.rawmk4	22_01.rawmk4
07_18.rawmk4	18_06.rawmk4	19_32.rawmk4	20_48.rawmk4	22_04.rawmk4
16_45.rawmk4	18_13.rawmk4	19_35.rawmk4	20_51.rawmk4	22_07.rawmk4
16_49.rawmk4	18_19.rawmk4	19_38.rawmk4	20_54.rawmk4	22_10.rawmk4
16_51.rawmk4	18_24.rawmk4	19_41.rawmk4	20_57.rawmk4	22_13.rawmk4
16_54.rawmk4	18_27.rawmk4	19_43.rawmk4	21_00.rawmk4	22_16.rawmk4
16_57.rawmk4	18_30.rawmk4	19_46.rawmk4	21_03.rawmk4	22_19.rawmk4
17_00.rawmk4	18_33.rawmk4	19_49.rawmk4	21_06.rawmk4	22_22.rawmk4
17_03.rawmk4	18_36.rawmk4	19_52.rawmk4	21_09.rawmk4	22_25.rawmk4
17_06.rawmk4	18_39.rawmk4	19_55.rawmk4	21_12.rawmk4	22_28.rawmk4
17_09.rawmk4	18_42.rawmk4	19_58.rawmk4	21_14.rawmk4	22_31.rawmk4
17_12.rawmk4	18_45.rawmk4	20_01.rawmk4	21_17.rawmk4	22_34.rawmk4
17_15.rawmk4	18_48.rawmk4	20_04.rawmk4	21_20.rawmk4	22_37.rawmk4
17_18.rawmk4	18_51.rawmk4	20_07.rawmk4	21_23.rawmk4	22_40.rawmk4
17_21.rawmk4	18_54.rawmk4	20_10.rawmk4	21_26.rawmk4	22_43.rawmk4
17_24.rawmk4	18_56.rawmk4	20_13.rawmk4	21_29.rawmk4	22_46.rawmk4
17_27.rawmk4	18_59.rawmk4	20_16.rawmk4	21_32.rawmk4	23_14.rawmk4
17_30.rawmk4	19_02.rawmk4	20_19.rawmk4	21_35.rawmk4	23_17.rawmk4
17_33.rawmk4	19_05.rawmk4	20_22.rawmk4	21_38.rawmk4	23_20.rawmk4
17_36.rawmk4	19_08.rawmk4	20_25.rawmk4	21_41.rawmk4	c18_03.rawmk4
17_41.rawmk4	19_11.rawmk4	20_28.rawmk4	21_44.rawmk4	c18_09.rawmk4
17_45.rawmk4	19_14.rawmk4	20_30.rawmk4	21_47.rawmk4	c18_16.rawmk4
17_48.rawmk4	19_17.rawmk4	20_33.rawmk4	21_50.rawmk4	
Wed Jul 18 02:	:16:29 GMT 2007	MKIV End	Patrol	