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Mauna Loa Solar Observatory Observer's Log  
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Wed Jul 18 16:19:10 GMT 2007

Year: 07 Doy: 199

Observer: yasukawa

WEATHER COMMENT: Wed Jul 18 16:19:21 GMT 2007

Clear, SE wind 10-15 mph, temp 40 F.

\_\_\_\_end\_\_\_\_

Wed Jul 18 16:24:25 GMT 2007 CHIP Start Patrol

PSPT COMMENT: Wed Jul 18 16:24:32 GMT 2007

Starting up.

\_\_\_\_end\_\_\_\_

Wed Jul 18 16:24:35 GMT 2007 PICS Start Patrol

\*\*MKIV PROBLEM\*\*: Wed Jul 18 16:37:26 GMT 2007

Potential problem with gui before obs start-up -- left image PA indication is sitting at around 100 degrees while barrel is at 175, ray extends out of boundary to edge of monitor frame.

Resetting KCC.

\_\_\_\_end\_\_\_\_

\*\*MKIV PROBLEM\*\*: Wed Jul 18 16:45:32 GMT 2007

Had to cycle KCC power to reboot, reset switch didn't cause a reboot.

Gui looks normal after that power cycle reboot.

\_\_\_\_end\_\_\_\_

Wed Jul 18 16:46:48 GMT 2007 MKIV Start Patrol

\*\*PSPT PROBLEM\*\*: Wed Jul 18 16:46:52 GMT 2007

PSPT was off-pointed enough at startup that center-image couldn't bring image in without manual pointing. Adjusted RA and Dec clutch.

\_\_\_\_end\_\_\_\_

PSPT COMMENT: Wed Jul 18 16:51:01 GMT 2007

Observing.

\_\_\_\_end\_\_\_\_

Wed Jul 18 18:00:54 GMT 2007 CHIP LSD

Wed Jul 18 18:01:18 GMT 2007 PICS Flat

Wed Jul 18 18:02:44 GMT 2007 CHIP End LSD

Wed Jul 18 18:02:52 GMT 2007 CHIP BiasLSD

Wed Jul 18 18:03:36 GMT 2007 MKIV End Patrol

Wed Jul 18 18:03:46 GMT 2007 MKIV Start Cal

Wed Jul 18 18:03:34 GMT 2007 PICS End Flat

Wed Jul 18 18:03:45 GMT 2007 CHIP End BiasLSD

Wed Jul 18 18:03:47 GMT 2007 PICS ReStart Patrol

Wed Jul 18 18:04:00 GMT 2007 CHIP Bias

Wed Jul 18 18:04:54 GMT 2007 CHIP End Bias

Wed Jul 18 18:05:03 GMT 2007 CHIP ReStart Patrol

Wed Jul 18 18:22:32 GMT 2007 MKIV End Cal

\*\*MKIV PROBLEM\*\*: Wed Jul 18 18:22:27 GMT 2007

Turning off KCC power at upper switch to power down transformation board in order to do a jumper change. Guiding will be lost in the process.

\_\_\_end\_\_\_

Wed Jul 18 18:27:49 GMT 2007 MKIV Start Patrol

\*\*MKIV PROBLEM\*\*:  
Wed Jul 18 18:28:49 GMT 2007

Interconnection diagram indicates EXSYNC, PRIN, MCLK and BIN signals go directly between the transformation board and the camera whereas the STROBE and LVAL timing signals along with the data go thru the DataCube board which has changed. EXSYNC et.al. jumpers (P404-P407) have been returned to original configuration yesterday afternoon.

Swapped STROBE jumpers --P321-- during the power-down. That cleaned up the MK4 image. I think we got it!

\_\_\_end\_\_\_

Wed Jul 18 18:40:00 GMT 2007 MKIV End Patrol

Wed Jul 18 18:40:06 GMT 2007 MKIV Start Cal

Wed Jul 18 18:59:35 GMT 2007 MKIV Start Patrol

NICE MK4 IMAGE: 1843

NICE CHIP IMAGE: 1844

NICE PICSDISC IMAGE: 1843

NICE PICSLIMB IMAGE: 1832

Wed Jul 18 19:21:22 GMT 2007 CHIP End Patrol

COMMENT: Wed Jul 18 19:21:34 GMT 2007

Stopping to reconfigure dome shutter.

\_\_\_end\_\_\_

Wed Jul 18 19:23:17 GMT 2007 MKIV End Patrol

Wed Jul 18 19:27:39 GMT 2007 MKIV Start Patrol

Wed Jul 18 19:27:55 GMT 2007 CHIP Start Patrol

Wed Jul 18 19:28:05 GMT 2007 PICS Start Patrol

\*\*MKIV PROBLEM\*\*:  
Wed Jul 18 20:48:36 GMT 2007

Haven't seen it in a while, but "Data Xfer Failure - check nahenahe" message appeared after the last scan finished on the akamai window between the t\_scan ### records, barrel.... message and the done message.

\_\_\_end\_\_\_

\*\*MKIV PROBLEM\*\*:  
Wed Jul 18 20:57:33 GMT 2007

Data Xfer failure occurred again. I think the images taken during those scans do not get to the xanmim process, I see 6 minute (3 minute is normal) gaps between images where the messages occur.

\_\_\_end\_\_\_

\*\*PSPT PROBLEM\*\*:  
Wed Jul 18 21:24:53 GMT 2007

Crashed at 2116 UT, k/r.

\_\_\_end\_\_\_

\*\*CHIP PROBLEM\*\*:  
Wed Jul 18 22:33:51 GMT 2007

Segmentation fault. Killing Patrol, restarting with Run command.

\_\_\_end\_\_\_

\*\*CHIP PROBLEM\*\*:  
Wed Jul 18 22:57:41 GMT 2007

Just restarted CHIP, got distracted by an email message/response.

\_\_\_end\_\_\_

Wed Jul 18 22:59:41 GMT 2007 CHIP Start Patrol

MKIV COMMENT: Thu Jul 19 02:23:26 GMT 2007

MK4 ran great the rest of the day after the STROBE signal from the Dalsa camera was inverted. DataCube was clocking in the data off the wrong edge of the strobe square wave creating the noisy signal.

\_\_\_\_end\_\_\_\_

Thu Jul 19 02:26:51 GMT 2007      CHIP      End Patrol

Thu Jul 19 02:28:34 GMT 2007      MKIV      End Patrol

Thu Jul 19 02:32:21 GMT 2007

MkIV

00_01.rawmk4	01_52.rawmk4	18_06.rawmk4	20_26.rawmk4	22_29.rawmk4
00_04.rawmk4	01_55.rawmk4	18_13.rawmk4	20_29.rawmk4	22_32.rawmk4
00_07.rawmk4	01_58.rawmk4	18_19.rawmk4	20_32.rawmk4	22_35.rawmk4
00_10.rawmk4	02_01.rawmk4	18_27.rawmk4	20_35.rawmk4	22_38.rawmk4
00_13.rawmk4	02_04.rawmk4	18_30.rawmk4	20_38.rawmk4	22_41.rawmk4
00_15.rawmk4	02_07.rawmk4	18_33.rawmk4	20_44.rawmk4	22_47.rawmk4
00_18.rawmk4	02_10.rawmk4	18_36.rawmk4	20_50.rawmk4	22_50.rawmk4
00_21.rawmk4	02_13.rawmk4	18_43.rawmk4	20_54.rawmk4	22_53.rawmk4
00_24.rawmk4	02_16.rawmk4	18_49.rawmk4	20_57.rawmk4	22_56.rawmk4
00_27.rawmk4	02_19.rawmk4	18_55.rawmk4	21_00.rawmk4	22_59.rawmk4
00_30.rawmk4	02_22.rawmk4	18_59.rawmk4	21_03.rawmk4	23_02.rawmk4
00_33.rawmk4	02_25.rawmk4	19_02.rawmk4	21_06.rawmk4	23_05.rawmk4
00_36.rawmk4	16_46.rawmk4	19_05.rawmk4	21_09.rawmk4	23_08.rawmk4
00_39.rawmk4	16_49.rawmk4	19_08.rawmk4	21_12.rawmk4	23_11.rawmk4
00_42.rawmk4	16_52.rawmk4	19_11.rawmk4	21_15.rawmk4	23_14.rawmk4
00_45.rawmk4	16_55.rawmk4	19_14.rawmk4	21_18.rawmk4	23_17.rawmk4
00_48.rawmk4	16_58.rawmk4	19_17.rawmk4	21_20.rawmk4	23_20.rawmk4
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00_54.rawmk4	17_04.rawmk4	19_27.rawmk4	21_26.rawmk4	23_26.rawmk4
00_57.rawmk4	17_07.rawmk4	19_30.rawmk4	21_32.rawmk4	23_29.rawmk4
01_00.rawmk4	17_10.rawmk4	19_33.rawmk4	21_36.rawmk4	23_31.rawmk4
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01_05.rawmk4	17_16.rawmk4	19_39.rawmk4	21_42.rawmk4	23_37.rawmk4
01_08.rawmk4	17_19.rawmk4	19_42.rawmk4	21_45.rawmk4	23_40.rawmk4
01_11.rawmk4	17_22.rawmk4	19_45.rawmk4	21_48.rawmk4	23_43.rawmk4
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01_47.rawmk4	17_57.rawmk4	20_20.rawmk4	22_23.rawmk4	
01_49.rawmk4	18_00.rawmk4	20_23.rawmk4	22_26.rawmk4	