
Mauna Loa Solar Observatory Observer's Log

Wed Jul 26 16:28:27 GMT 2006

Year: 06 Doy: 207

Observer: yasukawa

WEATHER COMMENT: Wed Jul 26 16:28:47 GMT 2006

Clear, SW wind 5 mph, temp 38 F.

____end____

Wed Jul 26 16:38:23 GMT 2006 CHIP Start Patrol

Wed Jul 26 16:38:28 GMT 2006 PICS Start Patrol

SBM COMMENT: Wed Jul 26 16:39:54 GMT 2006

Observing

____end____

PSPT COMMENT: Wed Jul 26 16:40:03 GMT 2006

Starting up.

____end____

MKIV PROBLEM: Wed Jul 26 16:52:18 GMT 2006

Barrel completely nonresponsive to either akamai commands or manual commands requested at gui.

____end____

Wed Jul 26 16:53:12 GMT 2006 MKIV Start Patrol

PSPT COMMENT: Wed Jul 26 16:54:51 GMT 2006

Observing.

____end____

Wed Jul 26 17:26:01 GMT 2006 MKIV Start Patrol

MKIV PROBLEM: Wed Jul 26 17:26:08 GMT 2006

Barrel started turning "spontaneously" while I was attending to something else. It was running at a slow (30) rate. Went to 176 and stopped.

Started Patrol.

____end____

PSPT PROBLEM: Wed Jul 26 17:31:45 GMT 2006

Crash at 1714 UT, k/r.

____end____

Wed Jul 26 17:55:48 GMT 2006 MKIV End Patrol

Wed Jul 26 18:00:19 GMT 2006 PICS Flat

Wed Jul 26 18:02:39 GMT 2006 PICS End Flat

Wed Jul 26 18:02:46 GMT 2006 CHIP LSD

Wed Jul 26 18:02:52 GMT 2006 PICS ReStart Patrol

Wed Jul 26 18:04:48 GMT 2006 CHIP End LSD

Wed Jul 26 18:04:57 GMT 2006 CHIP BiasLSD

Wed Jul 26 18:05:39 GMT 2006 CHIP End BiasLSD

Wed Jul 26 18:05:47 GMT 2006 CHIP Bias

Wed Jul 26 18:06:28 GMT 2006 CHIP End Bias

Wed Jul 26 18:06:36 GMT 2006 CHIP ReStart Patrol

Wed Jul 26 18:16:33 GMT 2006 MKIV End Cal

Wed Jul 26 18:16:39 GMT 2006 MKIV Start Patrol

GONG COMMENT: Wed Jul 26 18:17:10 GMT 2006

Going down to GONG to do a requested tape change.

____end____

GONG COMMENT: Wed Jul 26 18:44:03 GMT 2006

Back from GONG. Previous stored tape indicates wekkly PM wasn't done on Monday. Performed the PM while down there.

____end____

MKIV PROBLEM : Wed Jul 26 19:28:46 GMT 2006

There was a light leak at the tube ahead of the tilt plates. Connecting tube wasn't secured after tilt problem fix and there was about a 3/8" gap caused by the tube rotating and sliding forward a bit. Secured tube.

____end____

Wed Jul 26 19:38:18 GMT 2006 CHIP End Patrol

COMMENT: Wed Jul 26 19:38:29 GMT 2006

Stopping to reconfigure dome shutter.

____end____

Wed Jul 26 19:38:26 GMT 2006 PICS End Patrol

Wed Jul 26 19:39:12 GMT 2006 MKIV End Patrol

Wed Jul 26 19:45:04 GMT 2006 MKIV Start Patrol

Wed Jul 26 19:45:23 GMT 2006 CHIP Start Patrol

Wed Jul 26 19:45:34 GMT 2006 PICS Start Patrol

COMMENT: Wed Jul 26 19:46:27 GMT 2006

Declination recentered itself. Repointed and reset.

____end____

NICE MK4 IMAGE: 1806

NICE PICSLIMB IMAGE: 1806

NICE PICSDISC IMAGE: 1806

NICE CHIP IMAGE: 1807

MKIV PROBLEM : Wed Jul 26 20:42:47 GMT 2006

Stopping MK4 to test startup. May lose guiding while KCC turned off.

____end____

Wed Jul 26 20:44:13 GMT 2006 MKIV End Patrol

Wed Jul 26 20:51:10 GMT 2006 MKIV Start Patrol

MKIV PROBLEM : Wed Jul 26 20:52:15 GMT 2006

Idle, then End Day, then Turning off KCC power.

Turning on KCC power after 30 sec., restarting guiding.

Barrel rotated from 359 (stow) to 176 as normal once VxWorks loaded.

Patrol started normally.

Nahenahe was left on and in Run state during this test.

____end____

Wed Jul 26 21:00:08 GMT 2006

MkIV

Mauna Loa Solar Observatory Observer's Log

Wed Jul 26 21:06:02 GMT 2006

Year: 06 Doy: 207

Observer: yasukawa

Wed Jul 26 21:07:05 GMT 2006 MKIV Start Patrol

MKIV PROBLEM : Wed Jul 26 21:07:22 GMT 2006

Stopped Patrol with End Day. Pau on cmdtool. Exited desktop. Logged out.
Turned KCC off. Waited 30 seconds. Turned on KCC. Logged into nahenahe.
Akamai displayed "connected" and monitor screen came up and gui displayed.
Barrel rotated from 359 to 176 and stopped. Patrol started OK after that
when selected. -- no problem.

____end____

WEATHER COMMENT: Wed Jul 26 22:27:42 GMT 2006

In scattered orographic clouds.

____end____

Wed Jul 26 22:55:05 GMT 2006 CHIP End Patrol

Wed Jul 26 22:55:25 GMT 2006 PICS End Patrol

WEATHER COMMENT: Wed Jul 26 22:55:27 GMT 2006

In thick clouds, pausing instruments.

____end____

Wed Jul 26 22:59:01 GMT 2006 MKIV End Patrol

Wed Jul 26 23:13:06 GMT 2006

MkIV

Mauna Loa Solar Observatory Observer's Log

Wed Jul 26 23:19:27 GMT 2006

Year: 06 Doy: 207

Observer: yasukawa

MKIV PROBLEM : Wed Jul 26 23:20:51 GMT 2006

Tested shutdown and startup again. Did not do "Run" until akamai monitor
came up and barrel rotated from 359 to 176 and stopped. Akamai only
displayed "connected", VxWorks load scroll did not happen.

____end____

Wed Jul 26 23:26:33 GMT 2006 MKIV End Patrol

Wed Jul 26 23:30:00 GMT 2006

MkIV

Mauna Loa Solar Observatory Observer's Log

Wed Jul 26 23:32:21 GMT 2006

Year: 06 Doy: 207

Observer: yasukawa

MKIV PROBLEM : Wed Jul 26 23:37:46 GMT 2006

Turned things off again using nominal shutdown procedure, exited, and
logged out.

Turned on KCC, logged in, started "Run" as soon as desktop came up, before
akamai loaded completely, as I often do to get things started early.

This time VxWorks dialog scrolled thru the akamai window. Monitor came up
with grey slanted stripes as it sometimes does. Reset akamai.

VxWorks dialog again scrolled thru on the akamai window, monitor came up with the correct gui and barrel scanned from 359 to 176. Pretty typical, no stall problems.

____end____

Wed Jul 26 23:44:08 GMT 2006 MKIV Start Patrol
Wed Jul 26 23:44:27 GMT 2006 CHIP Start Patrol
Wed Jul 26 23:44:38 GMT 2006 PICS Start Patrol
WEATHER COMMENT: Wed Jul 26 23:44:55 GMT 2006

Clouds broke up. Resumed observations.

____end____

PSPT PROBLEM : Thu Jul 27 01:53:17 GMT 2006

Crashed at 0141 UT, k/r.

____end____

PSPT PROBLEM : Thu Jul 27 02:20:39 GMT 2006

Crashed again at 2000 UT. Serial port buffer overflow.
Shutting down for the day.

____end____

Thu Jul 27 02:27:18 GMT 2006 CHIP End Patrol
Thu Jul 27 02:27:20 GMT 2006 PICS End Patrol
Thu Jul 27 02:31:08 GMT 2006 MKIV End Patrol

MKIV PROBLEM : Thu Jul 27 02:29:36 GMT 2006

Midday startup tests went OK.

Set up scope on access points on signal transformation board (J6) to look at pulses between the counter/controller in the KCC and the tranceivers in the STM box on the spar. If the barrel doesn't run in the morning, I'd like to see if the KCC is still trying to send pulses up to the barrel. If it is, the problem may be upstairs in the electronics or the barrel may be in need of lubrication in its bearings. If there are no pulses, then the problem may be in the electronics downstairs or in the transfer of the VxWorks or in nahenahe's software.

____end____

MKIV PROBLEM : Thu Jul 27 02:41:10 GMT 2006

So far, I haven't found any consistent procedure or comments that point to a solution in the barrel problem written in the logs.

____end____

Thu Jul 27 02:43:04 GMT 2006

MkIV

00_01.rawmk4	01_40.rawmk4	18_25.rawmk4	20_05.rawmk4	21_57.rawmk4
00_04.rawmk4	01_43.rawmk4	18_28.rawmk4	20_08.rawmk4	22_00.rawmk4
00_07.rawmk4	01_46.rawmk4	18_31.rawmk4	20_11.rawmk4	22_02.rawmk4
00_10.rawmk4	01_49.rawmk4	18_34.rawmk4	20_14.rawmk4	22_05.rawmk4
00_13.rawmk4	01_52.rawmk4	18_37.rawmk4	20_17.rawmk4	22_08.rawmk4
00_16.rawmk4	01_55.rawmk4	18_40.rawmk4	20_20.rawmk4	22_11.rawmk4
00_19.rawmk4	01_58.rawmk4	18_43.rawmk4	20_23.rawmk4	22_14.rawmk4
00_22.rawmk4	02_01.rawmk4	18_45.rawmk4	20_26.rawmk4	22_17.rawmk4
00_25.rawmk4	02_04.rawmk4	18_48.rawmk4	20_29.rawmk4	22_20.rawmk4

00_31.rawmk4	02_07.rawmk4	18_51.rawmk4	20_32.rawmk4	22_23.rawmk4
00_34.rawmk4	02_10.rawmk4	18_54.rawmk4	20_35.rawmk4	22_26.rawmk4
00_37.rawmk4	02_13.rawmk4	18_57.rawmk4	20_38.rawmk4	22_29.rawmk4
00_40.rawmk4	02_16.rawmk4	19_00.rawmk4	20_40.rawmk4	22_32.rawmk4
00_43.rawmk4	02_19.rawmk4	19_03.rawmk4	20_51.rawmk4	22_35.rawmk4
00_46.rawmk4	02_22.rawmk4	19_06.rawmk4	20_54.rawmk4	22_38.rawmk4
00_49.rawmk4	02_25.rawmk4	19_09.rawmk4	21_07.rawmk4	22_41.rawmk4
00_52.rawmk4	02_27.rawmk4	19_12.rawmk4	21_10.rawmk4	22_44.rawmk4
00_55.rawmk4	17_26.rawmk4	19_15.rawmk4	21_13.rawmk4	22_47.rawmk4
00_58.rawmk4	17_29.rawmk4	19_18.rawmk4	21_16.rawmk4	22_49.rawmk4
01_01.rawmk4	17_32.rawmk4	19_21.rawmk4	21_18.rawmk4	22_52.rawmk4
01_04.rawmk4	17_34.rawmk4	19_24.rawmk4	21_21.rawmk4	22_55.rawmk4
01_07.rawmk4	17_37.rawmk4	19_27.rawmk4	21_24.rawmk4	23_19.rawmk4
01_10.rawmk4	17_40.rawmk4	19_30.rawmk4	21_27.rawmk4	23_23.rawmk4
01_13.rawmk4	17_43.rawmk4	19_32.rawmk4	21_30.rawmk4	23_44.rawmk4
01_16.rawmk4	17_46.rawmk4	19_35.rawmk4	21_33.rawmk4	23_47.rawmk4
01_19.rawmk4	17_49.rawmk4	19_45.rawmk4	21_36.rawmk4	23_50.rawmk4
01_22.rawmk4	17_52.rawmk4	19_48.rawmk4	21_39.rawmk4	23_53.rawmk4
01_24.rawmk4	18_06.rawmk4	19_51.rawmk4	21_42.rawmk4	23_56.rawmk4
01_27.rawmk4	18_13.rawmk4	19_53.rawmk4	21_45.rawmk4	23_58.rawmk4
01_30.rawmk4	18_16.rawmk4	19_56.rawmk4	21_48.rawmk4	c17_55.rawmk4
01_34.rawmk4	18_19.rawmk4	19_59.rawmk4	21_51.rawmk4	c18_03.rawmk4
01_37.rawmk4	18_22.rawmk4	20_02.rawmk4	21_54.rawmk4	c18_10.rawmk4