
Mauna Loa Solar Observatory Observer's Log

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

Tue Jul 17 18:03:31 GMT 2007 CHIP End LSD

Tue Jul 17 18:03:47 GMT 2007 MKIV Start Cal

Tue Jul 17 18:03:44 GMT 2007 CHIP BiasLSD

Tue Jul 17 18:04:40 GMT 2007 PICS End Flat

Tue Jul 17 18:04:41 GMT 2007 CHIP End BiasLSD

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 CHIP End Bias

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 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 MKIV Start Patrol

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 End Patrol

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 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

MKIV 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.

____end____

Wed Jul 18 00:38:45 GMT 2007 MKIV Start Patrol

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
Next I'll try it with P405-407 reversed, all except P404.

____end____

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 2007 Wed Jul 18 00:59:27 GMT 2007 MKIV End Patrol

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

MKIV End Patrol

Wed Jul 18 01:19:48 GMT 2007 MKIV End Patrol
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

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