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Mauna Loa Solar Observatory Observer's Log  
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Wed Jun 11 16:28:33 GMT 2008

Year: 08 Doy: 163

Observer: yasukawa

WEATHER COMMENT: Wed Jun 11 16:28:36 GMT 2008

Clear, S wind 7 mph, temp 43 F.

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

Wed Jun 11 16:37:42 GMT 2008 CHIP Start Patrol

Wed Jun 11 16:37:54 GMT 2008 PICS Start Patrol

PSPT COMMENT: Wed Jun 11 16:38:47 GMT 2008

Starting up.

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

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Jun 11 16:39:06 GMT 2008

\*\*MKIV PROBLEM\*\*: Wed Jun 11 16:46:20 GMT 2008

KCC crashed, had to cycle power to attempt recovery.

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

PSPT COMMENT: Wed Jun 11 16:47:06 GMT 2008

Observing.

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

Wed Jun 11 16:50:05 GMT 2008 MKIV Start Patrol

\*\*PSPT PROBLEM\*\*: Wed Jun 11 17:29:17 GMT 2008

C/k/r

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

Wed Jun 11 18:00:12 GMT 2008 PICS Flat

Wed Jun 11 18:01:51 GMT 2008 CHIP LSD

Wed Jun 11 18:02:49 GMT 2008 MKIV Start Cal

Wed Jun 11 18:02:50 GMT 2008 PICS ReStart Patrol

Wed Jun 11 18:03:37 GMT 2008 CHIP End LSD

Wed Jun 11 18:03:46 GMT 2008 CHIP BiasLSD

Wed Jun 11 18:04:39 GMT 2008 CHIP End BiasLSD

Wed Jun 11 18:04:48 GMT 2008 CHIP Bias

Wed Jun 11 18:05:40 GMT 2008 CHIP End Bias

Wed Jun 11 18:05:51 GMT 2008 CHIP ReStart Patrol

Wed Jun 11 18:21:32 GMT 2008 MKIV End Cal

Wed Jun 11 18:21:38 GMT 2008 MKIV Start Patrol

NICE MK4 IMAGE: 1805

NICE CHIP IMAGE: 1806

NICE PICSLIMB IMAGE: 1806

NICE PICSDISC IMAGE: 1806

\*\*MLSO PROBLEM\*\*: Wed Jun 11 18:30:48 GMT 2008

Appears to be some misalignment in MK4 -- brighter in the west.

I can see the inner pixels saturate on the monitor (double-hump o'scope trace) when barrel rotates around west.

Checked guider and there is some E-W play at the back end.

I will take out the slack by moving the back end UP -- gravity has the guider sitting on that screw.

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

\*\*MKIV PROBLEM\*\*: Wed Jun 11 18:37:55 GMT 2008

PICS limb image indicates the move was in the correct direction.

Raw MK4 image on akamai monitor looks more even (inner ring) now

when compared between the CW and CCW scan images.

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

Wed Jun 11 18:40:37 GMT 2008 PICS End Patrol

Wed Jun 11 18:43:38 GMT 2008 PICS Start Patrol

NICE MK4 IMAGE: 1836

PICS COMMENT: Wed Jun 11 18:45:41 GMT 2008

Checked and dusted off PICS O1. Image appears bright but no cirrus

or vog/haze is apparent. Cleaning did not change limb background very much.

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

MKIV COMMENT: Wed Jun 11 18:52:29 GMT 2008

Repeating calibration with the alignment "fixed".

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

Wed Jun 11 18:57:18 GMT 2008 MKIV End Patrol

Wed Jun 11 18:57:24 GMT 2008 MKIV Start Cal

Wed Jun 11 19:16:09 GMT 2008 MKIV End Cal

Wed Jun 11 19:18:40 GMT 2008 MKIV Start Patrol  
Wed Jun 11 19:29:14 GMT 2008 CHIP End Patrol  
Wed Jun 11 19:29:20 GMT 2008 PICS End Patrol  
Wed Jun 11 19:30:41 GMT 2008 MKIV End Patrol  
Wed Jun 11 19:34:48 GMT 2008 MKIV Start Patrol  
COMMENT: Wed Jun 11 19:35:02 GMT 2008  
Reconfigured dome shutter.

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

Wed Jun 11 19:46:21 GMT 2008 CHIP Start Patrol  
Wed Jun 11 19:46:31 GMT 2008 PICS Start Patrol  
COMMENT: Wed Jun 11 19:46:31 GMT 2008

Delay in restarting PICS and CHIP after reconfigure. Got distracted by phone call

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

MKIV COMMENT: Wed Jun 11 20:04:15 GMT 2008  
Stopping to examine FeLC mount arrangement.

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

Wed Jun 11 20:04:54 GMT 2008 MKIV End Patrol  
Wed Jun 11 20:16:50 GMT 2008 MKIV Start Patrol

WEATHER COMMENT: Wed Jun 11 20:32:45 GMT 2008

In orographic clouds.

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

Wed Jun 11 20:42:09 GMT 2008 CHIP End Patrol  
Wed Jun 11 20:42:23 GMT 2008 PICS End Patrol  
Wed Jun 11 20:47:06 GMT 2008 MKIV End Patrol

WEATHER COMMENT: Wed Jun 11 20:59:40 GMT 2008

Closing domes as a precaution.

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

MKIV COMMENT: Wed Jun 11 21:22:05 GMT 2008

David loaded new code into KCC. Rebooting KCC to pick it up and will run a scan in clouds to test if it 1. doesn't crash, and 2. if it writes the P and the S data into the files. If that works, then David will, later on this afternoon, reload the old program back into the KCC.

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

Wed Jun 11 21:30:10 GMT 2008 MKIV Start Patrol

MKIV COMMENT: Wed Jun 11 21:32:03 GMT 2008

BTW, Dome is closed so no coronal data will be taken -- just scanning and imaging the backside of the dust cap. KCC booted up OK.

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

MKIV COMMENT: Wed Jun 11 21:41:29 GMT 2008

Curiously both CW and CCW scans are split almost in half with two different "textures" on opposite sides -- like, the scan streaks radially the first half of the scan and then streaks circularly the second half, so the similar streaking pattern is on opposing hemispheres.

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

Wed Jun 11 21:48:01 GMT 2008 MKIV End Patrol

MKIV COMMENT: Wed Jun 11 21:50:26 GMT 2008

Test over. Idling MK4.

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

MKIV COMMENT: Wed Jun 11 21:54:00 GMT 2008

Going upstairs to fiddle a bit with the FeLC. Attempting to see if I can rotate it without rotating the camera which is held by the lollipop shaped mount providing additional support to the secondary optical rail.

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

MKIV COMMENT: Wed Jun 11 23:47:01 GMT 2008

We determined that we can rotate the FeLC. Weather prevents further optical testing so we will resume on Tuesday or Wednesday after David returns. I have provided photo-documentation for Darryl in case the weather is good and the tests are done on Tuesday.

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

WEATHER COMMENT: Wed Jun 11 23:50:46 GMT 2008

Weather is nasty. We are completely socked in by thick, dark clouds and it is currently raining/sleeting, also occasional thunder.

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

Thu Jun 12 01:03:55 GMT 2008

MkIV

16_50.rawmk4	17_38.rawmk4	18_33.rawmk4	19_34.rawmk4	20_32.rawmk4
16_53.rawmk4	17_40.rawmk4	18_36.rawmk4	19_37.rawmk4	20_35.rawmk4
16_59.rawmk4	17_43.rawmk4	18_39.rawmk4	19_40.rawmk4	20_38.rawmk4
17_02.rawmk4	17_46.rawmk4	18_42.rawmk4	19_43.rawmk4	20_40.rawmk4
17_05.rawmk4	17_49.rawmk4	18_45.rawmk4	19_46.rawmk4	20_43.rawmk4
17_08.rawmk4	17_52.rawmk4	18_48.rawmk4	19_49.rawmk4	c18_02.rawmk4
17_11.rawmk4	17_55.rawmk4	18_50.rawmk4	19_52.rawmk4	c18_09.rawmk4
17_14.rawmk4	17_58.rawmk4	18_53.rawmk4	19_55.rawmk4	c18_15.rawmk4
17_17.rawmk4	18_05.rawmk4	19_00.rawmk4	19_58.rawmk4	c18_57.rawmk4
17_20.rawmk4	18_12.rawmk4	19_06.rawmk4	20_01.rawmk4	c19_03.rawmk4
17_23.rawmk4	18_18.rawmk4	19_12.rawmk4	20_16.rawmk4	c19_09.rawmk4
17_26.rawmk4	18_21.rawmk4	19_18.rawmk4	20_20.rawmk4	
17_29.rawmk4	18_24.rawmk4	19_21.rawmk4	20_23.rawmk4	
17_32.rawmk4	18_27.rawmk4	19_24.rawmk4	20_26.rawmk4	
17_35.rawmk4	18_30.rawmk4	19_27.rawmk4	20_29.rawmk4	