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Mauna Loa Solar Observatory Observer's Log  
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Tue Jun 29 16:47:25 GMT 2010

Year: 10 Doy: 180

Observer: koon

WEATHER COMMENT: Tue Jun 29 16:47:26 GMT 2010

Clear sky, no wind, temp=48F.

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

Tue Jun 29 16:54:12 GMT 2010 MKIV Start Patrol  
Tue Jun 29 16:54:30 GMT 2010 CHIP Start Patrol  
Tue Jun 29 18:00:44 GMT 2010 CHIP LSD  
Tue Jun 29 18:02:24 GMT 2010 CHIP End LSD  
Tue Jun 29 18:02:39 GMT 2010 CHIP BiasLSD  
Tue Jun 29 18:03:30 GMT 2010 CHIP End BiasLSD  
Tue Jun 29 18:03:38 GMT 2010 CHIP Bias  
Tue Jun 29 18:04:21 GMT 2010 CHIP End Bias  
Tue Jun 29 18:04:29 GMT 2010 CHIP ReStart Patrol

\*\*PSPT PROBLEM COMMENT BY DARRYL\*\* : Tue Jun 29 18:21:39 GMT 2010

Alice installed a software fix for re-homing the filter wheel because the wheel regularly loses its sense of position. So now everytime the "center sun" routine runs there will be a new routine that homes the filter wheel too. This should happen throughout the day before each observing sequence, the cals, and the High Res data sequences. The following message displays in the IDL GUI "pspt\_center\_sun homing filter" when it happens, and you can see the PC messages showing that it is happening. It looks like it is working.

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

PSPT COMMENT BY DARRYL: Tue Jun 29 18:29:43 GMT 2010

Observing.

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

Tue Jun 29 18:52:58 GMT 2010 MKIV End Patrol  
Tue Jun 29 18:53:05 GMT 2010 MKIV Start Cal

NOTE BY DARRYL: Tue Jun 29 18:55:51 GMT 2010

Just felt a decent sized earthquake, short duration, just one big bump.

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

Tue Jun 29 19:11:46 GMT 2010 MKIV End Cal  
Tue Jun 29 19:14:50 GMT 2010 MKIV Start Correct

MKIV COMMENT BY DARRYL: Tue Jun 29 19:14:56 GMT 2010

Running a Correct as part of some adjustments and measurements requested by Joan.

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

Tue Jun 29 19:16:21 GMT 2010 MKIV End Correct

MKIV COMMENT BY DARRYL: Tue Jun 29 19:39:13 GMT 2010

I put the height mask on the occulter at the primary focus and will now do 2 calibrations.

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

Tue Jun 29 19:40:10 GMT 2010 MKIV Start Patrol

MKIV COMMENT BY DARRYL: Tue Jun 29 19:40:26 GMT 2010

I accidentally started Patrol, it will stop ASAP and go into the calibrations.

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

\*\*MKIV PROBLEM COMMENT BY DARRYL\*\*:  
Tue Jun 29 19:45:54 GMT 2010  
Barrel was stopped at CCW limit for some unknown reason, manually moved off limit but couldn't get Cal to start, reset KCC to fix.

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

Tue Jun 29 19:52:58 GMT 2010 MKIV Start Cal  
Tue Jun 29 20:11:37 GMT 2010 MKIV End Cal  
Tue Jun 29 20:15:35 GMT 2010 MKIV Start Cal  
MKIV COMMENT BY DARRYL: Tue Jun 29 20:15:40 GMT 2010  
Running the 2nd height mask calibration now.

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

Tue Jun 29 20:34:27 GMT 2010 MKIV End Cal  
MKIV COMMENT BY DARRYL: Tue Jun 29 20:42:33 GMT 2010  
Going up into dome to remove the height mask and improve the "gain" by better aligning the camera.

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

WEATHER COMMENT: Tue Jun 29 22:06:37 GMT 2010  
Clouds are passing over.

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

\*\*MKIV PROBLEM COMMENT BY DARRYL\*\*:  
Tue Jun 29 22:06:56 GMT 2010  
I can't get the camera aligned any better yet, and now it is off and clouds are present, taking a much needed break.

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

\*\*PSPT PROBLEM COMMENT BY DARRYL\*\*:  
Tue Jun 29 22:10:45 GMT 2010  
Restarting in coordination with Alice.

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

Tue Jun 29 22:40:42 GMT 2010 CHIP End Patrol  
\*\*MKIV PROBLEM COMMENT BY DARRYL\*\*:  
Tue Jun 29 22:28:38 GMT 2010  
I shimmed the SK lens just before the camera out a little, this extra adjustment has been needed for a long time. Thick clouds, mk4 may be out of service until I get back on Sunday. Camera is not aligned.

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

WEATHER COMMENT: Wed Jun 30 00:26:27 GMT 2010  
Foggy.

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

\*\*MKIV PROBLEM COMMENT BY DARRYL\*\*:  
Wed Jun 30 00:26:40 GMT 2010  
The camera alignment is completely off, the mk4 can't get data until I finish aligning it. The clouds came in quick and thick and I wasn't able to get the alignment back to something usable. I will continue the camera alignment ASAP.

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

Wed Jun 30 00:29:22 GMT 2010  
MkIV

16_54.rawmk4	17_29.rawmk4	18_04.rawmk4	18_43.rawmk4	c18_53.rawmk4
16_57.rawmk4	17_32.rawmk4	18_07.rawmk4	18_46.rawmk4	c18_59.rawmk4
17_00.rawmk4	17_35.rawmk4	18_10.rawmk4	18_49.rawmk4	c19_05.rawmk4
17_03.rawmk4	17_38.rawmk4	18_13.rawmk4	18_56.rawmk4	c19_52.rawmk4
17_06.rawmk4	17_41.rawmk4	18_16.rawmk4	19_02.rawmk4	c19_59.rawmk4

17_09.rawmk4	17_44.rawmk4	18_19.rawmk4	19_08.rawmk4	c20_05.rawmk4
17_11.rawmk4	17_47.rawmk4	18_22.rawmk4	19_56.rawmk4	c20_15.rawmk4
17_14.rawmk4	17_50.rawmk4	18_28.rawmk4	20_02.rawmk4	c20_21.rawmk4
17_17.rawmk4	17_53.rawmk4	18_32.rawmk4	20_08.rawmk4	c20_27.rawmk4
17_20.rawmk4	17_56.rawmk4	18_35.rawmk4	20_18.rawmk4	
17_23.rawmk4	17_58.rawmk4	18_38.rawmk4	20_24.rawmk4	
17_26.rawmk4	18_01.rawmk4	18_41.rawmk4	20_31.rawmk4	