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Mauna Loa Solar Observatory Observer's Log  
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Sat Jul 20 16:15:06 GMT 2013

Year: 13 Doy: 201

Observer: waters

WEATHER COMMENT: Sat Jul 20 16:15:24 GMT 2013

Temp 40F, windspeed 4mph from the South-Southwest. Some cirrus towards the East and there is vog in the air above 14,000 ft. The haze is hovering right over Mauna Kea.

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

Sat Jul 20 16:19:47 GMT 2013

MkIV

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Mauna Loa Solar Observatory Observer's Log  
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Sat Jul 20 16:21:10 GMT 2013

Year: 13 Doy: 201

Observer: waters

NOTE BY LISA: Sat Jul 20 16:21:25 GMT 2013

Nahenahe crashed as soon as i was done with the weather log. Seems to be okay now.

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

Sat Jul 20 16:37:19 GMT 2013 CHIP Start Patrol

NOTE BY LISA: Sat Jul 20 16:35:47 GMT 2013

Guider was on this morning. And when aligning the Spar, there was a noise, as if a motor was trying to kick on and then would stop abruptly. Happened about three times. The sound seemed to be located right behind the top of MK4.

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

Sat Jul 20 16:50:26 GMT 2013: PSPT Start Patrol

NOTE BY LISA: Sat Jul 20 17:19:46 GMT 2013

Sun has risen above cirrus, however there is still a haze appearing when centering the occulter on Comp. Waiting to start up rest of the instruments.

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

Sat Jul 20 17:35:20 GMT 2013 MKIV Start Patrol

Sat Jul 20 17:37:31 GMT 2013 COMP Start Patrol

NOTE BY LISA: Sat Jul 20 17:37:28 GMT 2013

Haze has passed, starting instruments.

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

\*\*MKIV PROBLEM COMMENT BY LISA\*\*: Sat Jul 20 17:38:46 GMT 2013

U12 was acting up on start up. Sometimes it clears up the data when its working other times, it looks a little junky still

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

Sat Jul 20 18:01:43 GMT 2013 CHIP LSD  
Sat Jul 20 18:03:28 GMT 2013 CHIP End LSD  
Sat Jul 20 18:03:37 GMT 2013 CHIP BiasLSD  
Sat Jul 20 18:04:28 GMT 2013 CHIP End BiasLSD  
Sat Jul 20 18:04:37 GMT 2013 CHIP Bias  
Sat Jul 20 18:05:24 GMT 2013 CHIP End Bias  
Sat Jul 20 18:05:32 GMT 2013 CHIP ReStart Patrol

Sat Jul 20 19:45:57 GMT 2013 CHIP End Patrol  
Sat Jul 20 19:44:53 GMT 2013 COMP End Patrol  
Sat Jul 20 19:45:08 GMT 2013 MKIV End Patrol  
Sat Jul 20 19:50:57 GMT 2013 COMP Start Patrol  
Sat Jul 20 19:52:33 GMT 2013 CHIP Start Patrol  
Sat Jul 20 19:51:33 GMT 2013 MKIV Start Patrol  
NOTE BY LISA: Sat Jul 20 19:51:41 GMT 2013  
Dome reconfigured.

\_\_\_end\_\_\_  
Sat Jul 20 20:07:25 GMT 2013 COMP End Patrol  
NOTE BY LISA: Sat Jul 20 20:08:20 GMT 2013  
Cirrus degarding images. Mk4, Comp and Shabar idled.

\_\_\_end\_\_\_  
Sat Jul 20 20:09:34 GMT 2013 MKIV End Patrol  
Sat Jul 20 20:44:34 GMT 2013: PSPT Start Patrol  
Sat Jul 20 20:57:21 GMT 2013 CHIP End Patrol  
Sat Jul 20 21:02:46 GMT 2013 CHIP Start Patrol  
Sat Jul 20 21:06:17 GMT 2013: PSPT Abort Patrol  
Sat Jul 20 21:07:51 GMT 2013 CHIP End Patrol  
NOTE BY LISA: Sat Jul 20 21:06:44 GMT 2013  
Orographic clouds rolling in. All instruments idled.

\_\_\_end\_\_\_  
\*\*\*\*EVENT COMMENT BY LISA\*\*\*\*: Sun Jul 21 00:58:18 GMT 2013  
Some activity can be seen between PA 85-107. It seems to have started befor start up. Can be seen in Gong and a bit in Chi  
P.

\_\_\_end\_\_\_  
Sun Jul 21 01:33:32 GMT 2013  
MkIV

17_35.rawmk4	18_04.rawmk4	18_34.rawmk4	19_03.rawmk4	19_32.rawmk4
17_38.rawmk4	18_07.rawmk4	18_37.rawmk4	19_06.rawmk4	19_35.rawmk4
17_41.rawmk4	18_10.rawmk4	18_40.rawmk4	19_09.rawmk4	19_38.rawmk4
17_44.rawmk4	18_13.rawmk4	18_42.rawmk4	19_12.rawmk4	19_41.rawmk4
17_47.rawmk4	18_16.rawmk4	18_45.rawmk4	19_15.rawmk4	19_51.rawmk4
17_50.rawmk4	18_19.rawmk4	18_48.rawmk4	19_18.rawmk4	19_54.rawmk4
17_52.rawmk4	18_22.rawmk4	18_51.rawmk4	19_21.rawmk4	19_57.rawmk4
17_55.rawmk4	18_25.rawmk4	18_54.rawmk4	19_24.rawmk4	20_00.rawmk4
17_58.rawmk4	18_28.rawmk4	18_57.rawmk4	19_27.rawmk4	20_03.rawmk4
18_01.rawmk4	18_31.rawmk4	19_00.rawmk4	19_30.rawmk4	20_06.rawmk4