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Mauna Loa Solar Observatory Observer's Log  
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Tue Jul 2 16:32:06 GMT 2013

Year: 13 Doy: 183

Observer: stueben

WEATHER COMMENT: Tue Jul 2 16:32:28 GMT 2013

Scattered cirrus, wind south 5-10 mph, temp 46F.

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

Tue Jul 2 16:48:43 GMT 2013 MKIV Start Patrol  
Tue Jul 2 16:50:27 GMT 2013 CHIP Start Patrol  
Tue Jul 02 16:57:37 GMT 2013 COMP Start Patrol  
Tue Jul 2 17:08:54 GMT 2013: PSPT Start Patrol  
Tue Jul 2 17:48:08 GMT 2013 MKIV End Patrol  
Tue Jul 2 17:48:13 GMT 2013 MKIV Start Cal  
Tue Jul 2 18:02:48 GMT 2013 CHIP LSD  
Tue Jul 2 18:04:36 GMT 2013 CHIP End LSD  
Tue Jul 2 18:04:51 GMT 2013 CHIP BiasLSD  
Tue Jul 2 18:05:54 GMT 2013 CHIP End BiasLSD  
Tue Jul 2 18:06:03 GMT 2013 CHIP Bias  
Tue Jul 2 18:06:46 GMT 2013 CHIP End Bias  
Tue Jul 2 18:06:54 GMT 2013 CHIP ReStart Patrol  
Tue Jul 2 18:06:58 GMT 2013 MKIV End Cal  
Tue Jul 2 18:07:05 GMT 2013 MKIV Start Patrol  
Tue Jul 2 19:47:30 GMT 2013 MKIV End Patrol  
Tue Jul 02 19:57:20 GMT 2013 COMP End Patrol  
Tue Jul 2 19:58:47 GMT 2013 CHIP End Patrol  
Tue Jul 2 20:16:30 GMT 2013 MKIV Start Patrol  
Tue Jul 2 20:18:50 GMT 2013 CHIP Start Patrol  
Tue Jul 02 20:18:45 GMT 2013 COMP Start Patrol  
NOTE BY ALLEN: Tue Jul 2 20:19:06 GMT 2013  
Reconfigured dome shutter.

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

**\*\*GENERAL PROBLEM COMMENT BY ALLEN\*\*:** Tue Jul 2 20:19:53 GMT 2013

I have had difficulty getting the shabar laptop to run today. When I arrived the screen was blank. Cycling power resulted in a brief display of the early part of the boot but then a blank screen. Powering down, waiting 20 min and powering up resulted in a complete bootup and I was able to start the software, but then the screen went blank after a few minutes - the laptop appeared to be running but no display. I shut it down and connected an external monitor and it booted ok and is now running with the external monitor.

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

Tue Jul 02 22:07:49 GMT 2013 COMP End Patrol  
Tue Jul 2 22:09:36 GMT 2013 MKIV End Patrol  
WEATHER COMMENT: Tue Jul 2 22:12:19 GMT 2013  
In thin cirrus, mk4 and comp idled. Lost guiding, repointed spar.

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

Tue Jul 2 23:01:47 GMT 2013 CHIP LSD  
Tue Jul 2 23:03:29 GMT 2013 CHIP End LSD

Tue Jul 2 23:03:37 GMT 2013 CHIP BiasLSD  
Tue Jul 2 23:04:14 GMT 2013 CHIP End BiasLSD  
Tue Jul 2 23:04:22 GMT 2013 CHIP Bias  
Tue Jul 2 23:05:08 GMT 2013 CHIP End Bias  
Tue Jul 2 23:05:15 GMT 2013 CHIP ReStart Patrol

NOTE BY ALLEN: Wed Jul 3 00:34:57 GMT 2013

The workmen for mlso repair arrived today and have started work.

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

\*\*GENERAL PROBLEM COMMENT BY ALLEN\*\*: Wed Jul 3 01:31:12 GMT 2013

Lost guiding, cabling hung up, moved it around a bit.

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

Wed Jul 3 02:17:07 GMT 2013: PSPT Abort Patrol

Wed Jul 3 02:21:31 GMT 2013 CHIP End Patrol

COMP COMMENT BY ALLEN: Wed Jul 3 02:45:44 GMT 2013

Big bottle of LN2 is empty - delivery tomorrow - not enough LN2 in dewar to fill comp. Turned off camera power to conserve LN2 overnight.

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

Wed Jul 3 02:50:05 GMT 2013

MkIV

16_48.rawmk4	17_51.rawmk4	18_57.rawmk4	20_25.rawmk4	21_24.rawmk4
16_51.rawmk4	17_57.rawmk4	19_00.rawmk4	20_28.rawmk4	21_27.rawmk4
16_54.rawmk4	18_03.rawmk4	19_03.rawmk4	20_31.rawmk4	21_30.rawmk4
16_57.rawmk4	18_07.rawmk4	19_06.rawmk4	20_34.rawmk4	21_33.rawmk4
17_00.rawmk4	18_10.rawmk4	19_08.rawmk4	20_37.rawmk4	21_36.rawmk4
17_03.rawmk4	18_12.rawmk4	19_11.rawmk4	20_40.rawmk4	21_39.rawmk4
17_06.rawmk4	18_15.rawmk4	19_14.rawmk4	20_43.rawmk4	21_41.rawmk4
17_09.rawmk4	18_18.rawmk4	19_17.rawmk4	20_45.rawmk4	21_44.rawmk4
17_12.rawmk4	18_21.rawmk4	19_20.rawmk4	20_48.rawmk4	21_47.rawmk4
17_15.rawmk4	18_24.rawmk4	19_23.rawmk4	20_51.rawmk4	21_53.rawmk4
17_18.rawmk4	18_27.rawmk4	19_26.rawmk4	20_54.rawmk4	21_57.rawmk4
17_21.rawmk4	18_30.rawmk4	19_29.rawmk4	20_57.rawmk4	22_00.rawmk4
17_24.rawmk4	18_33.rawmk4	19_32.rawmk4	21_00.rawmk4	22_03.rawmk4
17_27.rawmk4	18_36.rawmk4	19_35.rawmk4	21_03.rawmk4	22_06.rawmk4
17_29.rawmk4	18_39.rawmk4	19_38.rawmk4	21_06.rawmk4	c17_48.rawmk4
17_32.rawmk4	18_42.rawmk4	19_41.rawmk4	21_09.rawmk4	c17_54.rawmk4
17_35.rawmk4	18_45.rawmk4	19_44.rawmk4	21_12.rawmk4	c18_00.rawmk4
17_38.rawmk4	18_48.rawmk4	20_16.rawmk4	21_15.rawmk4	
17_41.rawmk4	18_51.rawmk4	20_19.rawmk4	21_18.rawmk4	
17_44.rawmk4	18_54.rawmk4	20_22.rawmk4	21_21.rawmk4	