

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Wed Jun 1 16:30:51 GMT 2011

Year: 11 Doy: 152

Observer: berkey

WEATHER COMMENT: Wed Jun 1 16:32:01 GMT 2011

temp 36f, wind 13mph from the south, clear skies, but thick thunder clouds about 50 miles north and NWS reports we are under a winter weather advisory.

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

\*\*GONG PROBLEM COMMENT BY BEN\*\*: Wed Jun 1 16:33:22 GMT 2011

Gong station crash/hung at about 8:45 last night had to reboot to get it running.

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

Wed Jun 1 16:42:11 GMT 2011 MKIV Start Patrol

Wed Jun 01 16:42:03 GMT 2011 H-ALPHA Start Patrol

Wed Jun 1 16:43:59 GMT 2011 CHIP Start Patrol

NOTE BY BEN: Wed Jun 1 16:48:13 GMT 2011

Applied system updates to Ulua

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

Wed Jun 01 16:48:24 GMT 2011 COMP Start Patrol

\*\*H-ALPHA PROBLEM COMMENT BY BEN\*\*: Wed Jun 1 16:52:04 GMT 2011

Halpa disk images are coming out "blank"

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

Wed Jun 1 16:54:29 GMT 2011 MKIV End Patrol

Wed Jun 1 16:54:35 GMT 2011 MKIV Start Cal

Wed Jun 1 17:06:16 GMT 2011: PSPT Start Patrol

Wed Jun 1 17:13:20 GMT 2011 MKIV End Cal

Wed Jun 1 17:13:26 GMT 2011 MKIV Start Patrol

Wed Jun 1 17:49:05 GMT 2011: PSPT Start Patrol

Wed Jun 1 18:02:45 GMT 2011 CHIP LSD

Wed Jun 1 18:04:20 GMT 2011 CHIP End LSD

Wed Jun 1 18:04:29 GMT 2011 CHIP BiasLSD

Wed Jun 1 18:05:03 GMT 2011 CHIP End BiasLSD

Wed Jun 1 18:05:12 GMT 2011 CHIP Bias

Wed Jun 1 18:05:53 GMT 2011 CHIP End Bias

Wed Jun 1 18:06:01 GMT 2011 CHIP ReStart Patrol

Wed Jun 01 19:32:21 GMT 2011 COMP End Patrol

Wed Jun 1 19:34:43 GMT 2011 MKIV End Patrol

Wed Jun 1 19:34:45 GMT 2011 CHIP End Patrol

Wed Jun 01 19:37:09 GMT 2011 H-ALPHA End Patrol

Wed Jun 01 19:41:42 GMT 2011 H-ALPHA Start Patrol

Wed Jun 1 19:42:13 GMT 2011 CHIP Start Patrol

NOTE BY BEN: Wed Jun 1 19:42:35 GMT 2011

moved top shutter down

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

Wed Jun 1 20:09:43 GMT 2011 CHIP End Patrol

Wed Jun 1 20:09:53 GMT 2011: PSPT Abort Patrol

Wed Jun 01 20:11:39 GMT 2011 H-ALPHA End Patrol

MKIV COMMENT BY BEN: Wed Jun 1 21:20:47 GMT 2011  
Cleaned MK4 O1, but weather got bad before I could get some data/calibrations.  
\_\_\_\_end\_\_\_\_

NOTE BY BEN: Wed Jun 1 21:21:11 GMT 2011  
Hailing hard now  
\_\_\_\_end\_\_\_\_

NOTE BY BEN: Wed Jun 1 23:38:22 GMT 2011  
Gave a tour to some visitors  
\_\_\_\_end\_\_\_\_

Thu Jun 2 00:14:28 GMT 2011: PSPT Start Patrol  
Thu Jun 02 00:14:28 GMT 2011 H-ALPHA Start Patrol  
Thu Jun 2 00:14:55 GMT 2011 CHIP Start Patrol  
Thu Jun 2 00:35:32 GMT 2011: PSPT Abort Patrol  
Thu Jun 2 00:35:40 GMT 2011: PSPT Abort Patrol  
Thu Jun 2 00:35:49 GMT 2011: PSPT Abort Patrol  
Thu Jun 02 00:37:09 GMT 2011 H-ALPHA End Patrol  
Thu Jun 2 00:37:46 GMT 2011 CHIP End Patrol

NOTE BY BEN: Thu Jun 2 01:00:49 GMT 2011  
Hailing again  
\_\_\_\_end\_\_\_\_

Thu Jun 2 02:05:41 GMT 2011 CHIP Start Patrol  
Thu Jun 2 02:06:39 GMT 2011 CHIP End Patrol  
\*\*GENERAL PROBLEM COMMENT BY BEN\*\*: Thu Jun 2 02:03:52 GMT 2011

Major problem with main dome shutter.  
Due to comming incliment weather I tried to command the dome to close, but in adverntently commanded it to open using the bottom limit switch.  
This caused the dome to completely open past the upper limit switch; and the shutter motor continued to drive. This strip ped out the roll pin in the drive transmission and the motor ran until I found it about 15 minutes later.

At time time this problem was discovered hail was just starting to come into the dome but due to the configuration of the spar and shutter the percipitation was mostly confined to CoMP and Mk4 tubes. Both of these now appear relatively dry.

The dome was closed by using a series of straps to pull the dome shut from the ground. Unfortunately this bent the rod tha t connects the bottom and top shutters together to allow access to both horizons. Fortuantly the rod seems fixable.

The Dome is now shut, spar is parted and safe, and the instruments appear to have avoided moisture problemes. On Friday D arryl and I will rebuild the drive transmission and hopefully look fix the bottom shutter rod.  
Good greif...

\_\_\_\_end\_\_\_\_  
Thu Jun 2 02:19:48 GMT 2011  
MkIV

16_42.rawmk4	17_28.rawmk4	18_03.rawmk4	18_38.rawmk4	19_13.rawmk4
16_45.rawmk4	17_31.rawmk4	18_06.rawmk4	18_41.rawmk4	19_16.rawmk4
16_48.rawmk4	17_33.rawmk4	18_09.rawmk4	18_44.rawmk4	19_19.rawmk4
16_51.rawmk4	17_36.rawmk4	18_12.rawmk4	18_47.rawmk4	19_22.rawmk4
16_57.rawmk4	17_39.rawmk4	18_15.rawmk4	18_50.rawmk4	19_25.rawmk4
17_03.rawmk4	17_42.rawmk4	18_18.rawmk4	18_53.rawmk4	19_28.rawmk4

17_09.rawmk4	17_45.rawmk4	18_21.rawmk4	18_56.rawmk4	19_31.rawmk4
17_13.rawmk4	17_48.rawmk4	18_24.rawmk4	18_59.rawmk4	c16_54.rawmk4
17_16.rawmk4	17_51.rawmk4	18_26.rawmk4	19_02.rawmk4	c17_00.rawmk4
17_19.rawmk4	17_54.rawmk4	18_29.rawmk4	19_05.rawmk4	c17_06.rawmk4
17_22.rawmk4	17_57.rawmk4	18_32.rawmk4	19_08.rawmk4	
17_25.rawmk4	18_00.rawmk4	18_35.rawmk4	19_10.rawmk4	