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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 10 16:36:02 GMT 2012

Year: 12 Doy: 254

Observer: berkey

WEATHER COMMENT: Mon Sep 10 16:36:29 GMT 2012

temp 38f, wind 10mph from sw, clear skies, roads and board walk very icy

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

Mon Sep 10 16:45:49 GMT 2012 CHIP Start Patrol

Mon Sep 10 16:49:35 GMT 2012 COMP Start Patrol

Mon Sep 10 16:51:03 GMT 2012: PSPT Start Patrol

Mon Sep 10 16:59:33 GMT 2012 MKIV Start Patrol

Mon Sep 10 17:36:29 GMT 2012 MKIV End Patrol

Mon Sep 10 17:36:38 GMT 2012 MKIV Start Cal

Mon Sep 10 18:16:21 GMT 2012 CHIP LSD

Mon Sep 10 18:16:38 GMT 2012 MKIV Start Patrol

Mon Sep 10 18:54:42 GMT 2012 COMP End Patrol

Mon Sep 10 18:56:37 GMT 2012 CHIP Start Patrol

Mon Sep 10 18:57:05 GMT 2012 COMP Start Patrol

Mon Sep 10 18:58:18 GMT 2012 MKIV End Patrol

Mon Sep 10 18:59:06 GMT 2012 MKIV Start Patrol

Mon Sep 10 19:05:38 GMT 2012 CHIP End Patrol

Mon Sep 10 19:06:11 GMT 2012 CHIP Start Patrol

\*\*CHIP PROBLEM COMMENT BY BEN\*\* : Mon Sep 10 19:09:08 GMT 2012

Chip crashed. I think it is related to X-Y stage control. Took a while to recover but I think it is back now.

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

NOTE BY BEN: Mon Sep 10 19:09:39 GMT 2012

Lots of passing cirrus, mk4 and comp data look bad but I will try observing through this a little longer

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

Mon Sep 10 20:22:19 GMT 2012 CHIP End Patrol

Mon Sep 10 20:22:47 GMT 2012 COMP End Patrol

Mon Sep 10 20:27:44 GMT 2012 MKIV End Patrol

Mon Sep 10 20:27:54 GMT 2012 MKIV Start Patrol

Mon Sep 10 20:28:07 GMT 2012 COMP Start Patrol

Mon Sep 10 20:28:03 GMT 2012 CHIP Start Patrol

CoMP COMMENT BY BEN: Mon Sep 10 20:41:46 GMT 2012

Started losing Dec guiding, restarting cookbook to realign occulter

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

Mon Sep 10 20:43:15 GMT 2012 COMP End Patrol

Mon Sep 10 20:43:57 GMT 2012 COMP Start Patrol

Mon Sep 10 21:24:50 GMT 2012: PSPT Start Patrol

Mon Sep 10 21:53:59 GMT 2012 COMP End Patrol

Mon Sep 10 21:54:40 GMT 2012 CHIP End Patrol

Mon Sep 10 21:55:13 GMT 2012: PSPT Abort Patrol

Mon Sep 10 21:55:21 GMT 2012: PSPT Abort Patrol

Mon Sep 10 21:56:55 GMT 2012 MKIV End Patrol

NOTE BY BEN: Mon Sep 10 21:58:33 GMT 2012

Clouds rolling down the hill form the SE, domes closed until they pass  
\_\_\_\_end\_\_\_\_

Mon Sep 10 22:36:06 GMT 2012: PSPT Start Patrol  
Mon Sep 10 22:40:21 GMT 2012 CHIP Start Patrol  
Mon Sep 10 22:55:40 GMT 2012: PSPT Abort Patrol  
Mon Sep 10 22:59:27 GMT 2012 CHIP End Patrol  
Mon Sep 10 23:55:56 GMT 2012: PSPT Start Patrol  
Tue Sep 11 00:42:47 GMT 2012: PSPT Abort Patrol

\*\*GENERAL PROBLEM COMMENT BY BEN\*\* : Tue Sep 11 00:58:34 GMT 2012

One of the rollers on the main dome shutter failed, while I was chasing sucker holes. This is the middle left (when looking out from the floor) roller and it look like it suffered a lot of stress before pulling apart and dropping ball bearings on the floor. I believe none of the balls hit spar or telescopes.

The roller has been replace and lubed.

The dome was run up an down a couple times, and it looks and sounds normal through the motion. I am not sure if there was extra stress on that roller or it just got old.

\_\_\_\_end\_\_\_\_  
Tue Sep 11 01:03:20 GMT 2012  
MkIV

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| 16_59.rawmk4 | 18_28.rawmk4 | 19_25.rawmk4 | 20_21.rawmk4 | 21_18.rawmk4  |
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| 18_25.rawmk4 | 19_22.rawmk4 | 20_18.rawmk4 | 21_15.rawmk4 |               |