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Mauna Loa Solar Observatory Observer's Log  
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Fri May 22 16:36:37 GMT 2015

Year: 15 Doy: 142

Observer: berkey

WEATHER COMMENT: berkey: Fri May 22 16:38:28 GMT 2015

Temp: 43.6f, Humidity: 9%, Pressure: 28.635in, Wind: 5mph from SW, Skies: Thin cirrus with high sky brightness in the east  
. Strong inversion layer capping most clouds below 7,000ft.

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

Fri May 22 16:57:04 GMT 2015 COMP Start Patrol  
Fri May 22 17:27:48 GMT 2015 CoMP Paused for clouds  
Fri May 22 17:49:09 GMT 2015 CoMP Restarted from pause  
Fri May 22 17:59:50 GMT 2015 KCOR Start Synoptic Patrol  
Fri May 22 18:08:12 GMT 2015 CoMP Paused for clouds  
Fri May 22 18:09:10 GMT 2015 KCOR End Patrol  
Fri May 22 18:16:29 GMT 2015 CoMP Restarted from pause  
Fri May 22 18:17:36 GMT 2015 CoMP Paused for clouds  
Fri May 22 18:19:15 GMT 2015 KCOR Start Synoptic Patrol  
Fri May 22 18:19:05 GMT 2015 CoMP Restarted from pause  
Fri May 22 18:34:56 GMT 2015 KCOR End Patrol  
Fri May 22 19:18:26 GMT 2015 COMP End Patrol

GENERAL COMMENT BY berkey: Fri May 22 19:47:42 GMT 2015  
Dome shutter reconfigured.

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

CoMP COMMENT BY berkey: Fri May 22 19:47:59 GMT 2015  
Pulled CoMP O1 for cleaning.

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

Fri May 22 20:02:22 GMT 2015 KCOR Start Synoptic Patrol  
Fri May 22 20:21:29 GMT 2015 KCOR End Patrol  
KCOR COMMENT BY berkey: Fri May 22 20:25:46 GMT 2015

Blew off the kcor field lens to try and get rid of the artifact in the SW region of the image ~ 1/2 a solar radii out from the solar disk.

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

KCOR COMMENT BY berkey: Fri May 22 20:30:47 GMT 2015  
Kcor comment.

Looks like I may have made things worse, new bigger blob to the south.

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

Fri May 22 20:52:10 GMT 2015 COMP Start Patrol  
KCOR COMMENT BY berkey: Fri May 22 21:13:28 GMT 2015

Found a lady bug making tracks on the O-1. Since the tracks appeared to leave an oily residue I pulled it for cleaning. I think/assume that the bug was causing the out of focus blob in the south of the kcor image.

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

Fri May 22 22:08:55 GMT 2015 CoMP Paused for clouds  
Fri May 22 22:17:21 GMT 2015 CoMP Restarted from pause  
KCOR COMMENT BY berkey: Fri May 22 22:17:40 GMT 2015

Kcor O1 reinstalled. And SGS aligned to Kcor.

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

Fri May 22 22:19:03 GMT 2015 COMP End Patrol

Fri May 22 22:19:40 GMT 2015 COMP Start Patrol

Fri May 22 22:22:13 GMT 2015 KCOR Start Synoptic Patrol

Fri May 22 22:23:22 GMT 2015 KCOR End Patrol

Fri May 22 22:29:13 GMT 2015 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Fri May 22 22:29:10 GMT 2015

Looks like the little blob may have been on the field lens after all. It was seen again after O1 cleaning. Reinspecting field lens it looks a little dusty but I didnt see anything that looked big enough to cause the blob, however giving it a twice over with the air compressor it appears to now be gone.

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

Fri May 22 22:39:34 GMT 2015 KCOR End Patrol

Fri May 22 22:39:43 GMT 2015 CoMP Paused for clouds

GENERAL COMMENT BY berkey: Fri May 22 22:40:52 GMT 2015

Low clouds are blowing over from the NW. Closing domes.

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

Fri May 22 22:56:07 GMT 2015 CoMP Restarted from pause

Fri May 22 22:57:21 GMT 2015 KCOR Start Synoptic Patrol

CoMP COMMENT BY berkey: Fri May 22 23:09:38 GMT 2015

CoMP images look funny, like the come is occulting the O1. But checking things the shutter is well aligned to the spar.

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

PSPT COMMENT BY berkey: Fri May 22 23:12:49 GMT 2015

Pspt, spar is oscillating. Motion was dampend by hand, and the lower shutter was closed to reduce the wind load on the telescope. Now about 10mph from the West.

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

PSPT COMMENT BY berkey: Fri May 22 23:14:10 GMT 2015

Nope didnt fix the problem, oscilantion has restarted.

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

CoMP COMMENT BY berkey: Fri May 22 23:22:07 GMT 2015

O1 inspection revealed a 1"x1/4" strip of white paint had landed on the O1, along with a bit of dust. I am not sure how t he paint got there since it appears to be the color of the walls not dome. With the paint clear the image looks normal.

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

Sat May 23 01:15:19 GMT 2015 KCOR End Patrol

GENERAL COMMENT BY berkey: Sat May 23 01:18:02 GMT 2015

Low fast moving clouds. Monitoring but leaving things running to try and catch good frames between them.

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

Sat May 23 01:30:16 GMT 2015 COMP End Patrol

Sat May 23 01:45:30 GMT 2015 KCOR Start Synoptic Patrol

Sat May 23 01:45:55 GMT 2015 COMP Start Patrol

PSPT COMMENT BY berkey: Sat May 23 02:41:26 GMT 2015

This morning when starting PSPT; ran Daily Obs and didn't do a start up. This seemed to get the system started up and running. And I didn't have any abnormal issues until going to shutdown where the mount failed to reach its destination in RA . Not really sure what happened. But I eventually loosened the clutch and move the RA to the park position by hand.

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

Sat May 23 02:50:24 GMT 2015 KCOR End Patrol

Sat May 23 02:50:45 GMT 2015 COMP End Patrol