
Mauna Loa Solar Observatory Observer's Log

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 the 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