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Mauna Loa Solar Observatory Observer's Log  
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Mon May 19 16:33:37 GMT 2014

Year: 14 Doy: 139

Observer: berkey

WEATHER COMMENT: berkey: Mon May 19 16:33:39 GMT 2014

temp 49f, wind 3mph from the south, a lot of cirrus around the sky but there has been a clearing trend since the pre-dawn twilight when the sky was completely covered in wispy cloud.

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

Mon May 19 16:58:31 GMT 2014: PSPT Start Patrol

KCOR COMMENT BY berkey: Mon May 19 17:42:47 GMT 2014

Installing distortion grid for testing.

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

KCOR COMMENT BY berkey: Mon May 19 18:12:59 GMT 2014

Took some distortion data. Sky is still to cloudy to observe corona so the maske will remain in the instrument for a little longer.

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

GENERAL OBSERVATORY COMMENT BY berkey: Mon May 19 18:29:07 GMT 2014

Gong monthly PM w/window clean.

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

GENERAL OBSERVATORY COMMENT BY berkey: Mon May 19 19:10:24 GMT 2014

Skys clear up enough to run the coronagraphs. Put the occulter back in Kcor. And moved dome shutter down. Aligning SGS now for observations.

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

Mon May 19 19:13:01 GMT 2014 COMP Start Patrol

Mon May 19 19:23:48 GMT 2014 KCOR Start Synoptic Patrol

Mon May 19 19:35:20 GMT 2014 KCOR End Patrol

Mon May 19 19:44:53 GMT 2014 KCOR Start Synoptic Patrol

Mon May 19 20:03:16 GMT 2014 KCOR End Patrol

Mon May 19 20:03:16 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon May 19 20:19:05 GMT 2014 KCOR End Calibration Script

Mon May 19 20:19:21 GMT 2014 KCOR Start Synoptic Patrol

Mon May 19 20:19:21 GMT 2014 KCOR Start Synoptic Patrol

Mon May 19 21:12:07 GMT 2014 KCOR End Patrol

Mon May 19 21:22:54 GMT 2014 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon May 19 21:22:28 GMT 2014

SGS not guiding anymore. My inital impression is there is a failure in the RA motor drive train.

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

Mon May 19 23:58:04 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Tue May 20 02:17:21 GMT 2014

Seems like the issue is either with the clutch or how the clutch assembly enguages with the worm gear. Currently RA drive system is apart. I will come up tomorrow and hopefull with two peopel we can figure this one out.

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

KCOR COMMENT BY berkey: Tue May 20 02:19:56 GMT 2014

Kcor Nema box is powered off. During the RA trouble shooting I found the nema fans too loud, when I was trying to hear some of the noises the drive was making.

\_\_end\_\_