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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 30 16:36:55 GMT 2013

Year: 13 Doy: 273

Observer: berkey

WEATHER COMMENT: berkey: Mon Sep 30 16:36:57 GMT 2013

Clear skies, temp 39f, no wind

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

Mon Sep 30 16:45:37 GMT 2013 COMP Start Patrol

Mon Sep 30 16:49:38 GMT 2013: PSPT Start Patrol

Mon Sep 30 17:54:10 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Mon Sep 30 18:42:05 GMT 2013

Changing from Bright Dark Mid Mid.... To Mid Bright Dark Dark.

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

KCOR COMMENT BY berkey: Mon Sep 30 18:43:01 GMT 2013

Mid Bright Dark Mid should be the "correct" startup modulation

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

Mon Sep 30 18:59:00 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon Sep 30 19:16:25 GMT 2013 KCOR End Calibration Script

Mon Sep 30 19:42:52 GMT 2013 KCOR Start Synoptic Patrol

Mon Sep 30 19:43:43 GMT 2013 COMP End Patrol

Mon Sep 30 19:43:44 GMT 2013 COMP Start Patrol

Mon Sep 30 19:59:14 GMT 2013 KCOR End Patrol

Mon Sep 30 19:58:16 GMT 2013 COMP End Patrol

Mon Sep 30 20:04:03 GMT 2013 COMP Start Patrol

Mon Sep 30 20:06:01 GMT 2013 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Sep 30 20:16:19 GMT 2013

Temperature inversion failed early today, clouds starting to come up near the observatory

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

Mon Sep 30 20:45:55 GMT 2013 KCOR End Patrol

Mon Sep 30 20:44:46 GMT 2013 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Sep 30 20:49:20 GMT 2013

Main dome closed. PSPT to follow if conditons continue to worsen.

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

Mon Sep 30 21:49:19 GMT 2013: PSPT Abort Patrol

Mon Sep 30 21:49:23 GMT 2013: PSPT Abort Patrol

Mon Sep 30 21:49:27 GMT 2013: PSPT Abort Patrol

Mon Sep 30 21:49:31 GMT 2013: PSPT Abort Patrol

Tue Oct 01 00:24:30 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Tue Oct 01 00:41:38 GMT 2013 KCOR End Calibration Script

GENERAL OBSERVATORY COMMENT BY berkey: Tue Oct 1 00:30:34 GMT 2013

I have noticed that during normal guiding operations the DEC position randomly works it's way towards the Negative EOT limit. I wonder if we have a slightly bad polar alignment on the spar. Since we observe from sunrise to some fraction of the day if we did have a polar mis-alignment we would see the dec preferential head toward one of the limits as we approached Local Solar Noon and at which point it would start tending back to the middle of the DEC range.

Assuming this daily drift toward -EOT doesn't effect the data and is something we find to be real after a bit more monitoring. I plan to reverse the logic of the SGS home DEC code so it first drives toward the +EOT limit while looking for home instead of the -EOT limit (as it is currently implemented).

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

KCOR COMMENT BY berkey: Tue Oct 1 00:44:29 GMT 2013

I am currently running the calibration scripts without running socketcam, (or saving any data) to watch the fits headers change.

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

Tue Oct 01 00:47:49 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-2.ini

Tue Oct 01 00:51:24 GMT 2013 KCOR End Calibration Script

KCOR COMMENT BY berkey: Tue Oct 1 00:58:30 GMT 2013

Now doing some dome closed observations to look at SGS signals.

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

KCOR COMMENT BY berkey: Tue Oct 1 01:02:27 GMT 2013

Moved the Get Dim vi from the Timeout state to the main loop state in the observing gui  
. The SGS data is now updating.

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