
Mauna Loa Solar Observatory Observer's Log

Fri Sep 5 16:54:12 GMT 2014

Year: 14 Doy: 248

Observer: berkey

WEATHER COMMENT: berkey: Fri Sep 5 16:54:15 GMT 2014

temp 48f, wind 6mph from SE, clear skies

____end____

Fri Sep 05 17:11:59 GMT 2014 COMP Start Patrol

Fri Sep 5 17:12:36 GMT 2014: PSPT Start Patrol

Fri Sep 05 17:21:07 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 05 18:43:07 GMT 2014 KCOR End Patrol

Fri Sep 05 18:43:08 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Fri Sep 05 18:58:52 GMT 2014 KCOR End Calibration Script

Fri Sep 05 18:59:08 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 05 18:59:08 GMT 2014 KCOR Start Synoptic Patrol

****EVENT COMMENT BY berkey**** : Fri Sep 5 19:28:00 GMT 2014

Fast flare/prominace from sunspot groups 2151,2153 at about 18:34UT. Very visible in gong. Should be seen in comp, unfortunately we were doing calcs in kcor during the event.

____end____

Fri Sep 05 20:07:38 GMT 2014 KCOR End Patrol

Fri Sep 05 20:07:31 GMT 2014 COMP End Patrol

Fri Sep 05 20:17:14 GMT 2014 COMP Start Patrol

Fri Sep 05 20:21:23 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 05 23:15:01 GMT 2014 COMP End Patrol

Fri Sep 05 23:15:01 GMT 2014 COMP Start Patrol

Fri Sep 05 23:29:00 GMT 2014 KCOR End Patrol

Fri Sep 05 23:28:48 GMT 2014 COMP End Patrol

Fri Sep 05 23:31:32 GMT 2014 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Sep 5 23:33:45 GMT 2014

SGS realigned

____end____

Fri Sep 05 23:39:09 GMT 2014 KCOR Start Synoptic Patrol

Sat Sep 06 02:29:01 GMT 2014 COMP End Patrol

Sat Sep 06 02:29:01 GMT 2014 COMP Start Patrol

Sat Sep 06 02:29:28 GMT 2014 COMP End Patrol

Sat Sep 06 02:29:54 GMT 2014 KCOR End Patrol

KCOR COMMENT BY berkey: Sat Sep 6 02:40:37 GMT 2014

Starting "crude spar flexure test"

For this test a 60W lamp has been attached to the front of Kcor while the diffuser is in the beam producing a image of the occulter. During the test the spar will be moved from east to west in RA in 5 positions. East Horizon, East 45, zenith, West 45 and West horizon. Then working backward to see if there was some sort of sysmatic slip, flexure or ??

For a little more light kcor will be run at 2ms.

East horizon:

02:46:08->02:47:56

east 45

02:48:57->02:50:43

zenith
02:51:29->02:52:44
west 45
02:53:30->02:55:16
west 90
02:55:45->02:57:17
west 45
02:58:03->03:00:04
zenith
03:00:50->03:02:36
east 45
03:03:22->03:05:23
east horizon
03:05:53->03:07:25

Note the positions are not exactly horizon, 45, or zenith just that general position on the sky. Due to the cable wrap we are limited to about 15 degrees above the west horizon. Due the way the lamp was installed with tape, the lamp got tilted w.r.t. the optical axis as we moved west. Any analysis that requires a stable lamp should not be done with this data.

___end___

****COMP PROBLEM COMMENT BY berkey **:** Sat Sep 6 03:10:25 GMT 2014

The Comp optics box "split" open. The 1/4 20 bolt that holds the bottom of the west cover on to the optics box bulkhead was found to be missing. This allowed a 1/2" wide gap to open between the north and west covers when the spar was pointed west and the weight of the NSC200 controllers pulled the west cover away from the rest of the box. A 1/4 20 was installed and the issue has been resolved, but I am not sure how long this has been an issue.

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