
Mauna Loa Solar Observatory Observer's Log

Fri Sep 12 16:45:23 GMT 2014

Year: 14 Doy: 255

Observer: berkey

WEATHER COMMENT: berkey: Fri Sep 12 16:45:24 GMT 2014

temp 43f, wind 10mph from S, skies mostly clear with cirrus to the south

____end____

Fri Sep 12 16:59:02 GMT 2014: PSPT Start Patrol

Fri Sep 12 17:06:31 GMT 2014 COMP Start Patrol

Fri Sep 12 17:20:18 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 12 20:04:34 GMT 2014 COMP End Patrol

Fri Sep 12 20:04:36 GMT 2014 COMP Start Patrol

Fri Sep 12 20:06:33 GMT 2014 KCOR End Patrol

Fri Sep 12 20:06:15 GMT 2014 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Sep 12 20:14:04 GMT 2014

Dome shutter moved down, sgs realigned

____end____

Fri Sep 12 20:15:17 GMT 2014 COMP Start Patrol

Fri Sep 12 20:21:11 GMT 2014 KCOR Start Synoptic Patrol

****EVENT COMMENT BY berkey**** : Fri Sep 12 20:25:36 GMT 2014

Kcor caught an eruptive prominence on the north limb of the sun. Prominence can also be seen in Ha in the gong data. Looks like this left the limb of the sun about 18:25UT near PA7 and moved east. It is still visible in the kcor field at 20:50UT

____end____

Fri Sep 12 21:25:25 GMT 2014 KCOR End Patrol

Fri Sep 12 21:25:26 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Fri Sep 12 21:41:14 GMT 2014 KCOR End Calibration Script

Fri Sep 12 21:41:30 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 12 21:41:31 GMT 2014 KCOR Start Synoptic Patrol

Fri Sep 12 22:13:05 GMT 2014: PSPT Start Patrol

Fri Sep 12 22:16:01 GMT 2014 KCOR End Patrol

Fri Sep 12 22:16:04 GMT 2014 COMP End Patrol

Fri Sep 12 23:00:05 GMT 2014: PSPT Start Patrol

KCOR COMMENT BY berkey: Fri Sep 12 22:58:54 GMT 2014

Starting distortion grid test.

Distortion mask is in beam.

Diffuser is in beam

lens cover is out.

Running Kcor observing software in engineering mode lms integrations

Data starts 22:56:46

Data ends 23:07:51

____end____

KCOR COMMENT BY berkey: Fri Sep 12 23:23:50 GMT 2014

Starting distortion test using a lamp as source to access RA's in a non solar direction.

Integration time is set to 4ms exposures to account for the light loss in diffuser and distortion mask.

____end____

Fri Sep 12 23:34:02 GMT 2014: PSPT Start Patrol
KCOR COMMENT BY berkey: Fri Sep 12 23:28:00 GMT 2014
First position is a measure 18degrees above the horizon when facing east. Just about the start of the observing day for Kcor.
Data: 23:32:40->23:36:42
Next spot measured 45degrees
Data: 23:37:28->23:41:15
Next spot eyeballed vertical
23:43:02->23:45:49
Data measured 45 degrees west
23:48:20->23:52:23
measured 18degrees above the horizon to the west
23:53:24->23:57:26
45 west
23:58:12->00:02:30
Vertical
00:03:15->00:07:03
45 east
00:07:48->00:10:50
18 east
00:11:21->00:15:23
End of test
____end____
PSPT COMMENT BY berkey: Sat Sep 13 00:39:13 GMT 2014
Pspt dos box crashed, rebooting it seemed to bring pspt back to life.
____end____
Sat Sep 13 01:01:51 GMT 2014: PSPT Start Patrol
Sat Sep 13 01:07:21 GMT 2014 COMP Start Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Sat Sep 13 01:03:23 GMT 2014
Fall is in the air, the harvest is upon us, and the sun grows larger in the days sky.
To combat the negative effects of this apparently grown ball of plasma we have had to enlarge the protected shields in our instrumentation.

Kcor occulter swapped to 1006.9
Comp occulter swapped to #31

Changes were made to the observing code to reflect the hardware change and have been committed to svn.
____end____
Sat Sep 13 01:14:49 GMT 2014 COMP End Patrol
Sat Sep 13 01:15:36 GMT 2014 COMP Start Patrol
Sat Sep 13 01:26:50 GMT 2014 KCOR Start Synoptic Patrol
Sat Sep 13 02:34:13 GMT 2014: PSPT Abort Patrol
Sat Sep 13 02:34:17 GMT 2014: PSPT Abort Patrol
Sat Sep 13 02:35:35 GMT 2014 KCOR End Patrol
Sat Sep 13 02:35:24 GMT 2014 COMP End Patrol