
Mauna Loa Solar Observatory Observer's Log

Fri Oct 24 16:49:11 GMT 2014

Year: 14 Doy: 297

Observer: berkey

WEATHER COMMENT: berkey: Fri Oct 24 16:49:15 GMT 2014

temp 45f, wind 10mph from the south, clear skies.

____end____

Fri Oct 24 17:01:29 GMT 2014: PSPT Start Patrol

Fri Oct 24 17:24:34 GMT 2014 COMP Start Patrol

COMP COMMENT BY berkey: Fri Oct 24 17:31:12 GMT 2014

Comp camera rotated about 5 degrees clockwise and the X-Y position of the re-imaging lens was moved to center the solar images on the detector.

____end____

Fri Oct 24 17:38:45 GMT 2014 KCOR Start Synoptic Patrol

Fri Oct 24 17:46:53 GMT 2014 KCOR End Patrol

KCOR COMMENT BY berkey: Fri Oct 24 17:45:11 GMT 2014

Starting to vary the exposure time / number of averages to see if we can find a nice compromise. Note the following data may have the wrong modulation.

____end____

KCOR COMMENT BY berkey: Fri Oct 24 17:48:53 GMT 2014

averages of 170 with 2.5 msec frames seems to have saturation.

____end____

KCOR COMMENT BY berkey: Fri Oct 24 17:50:31 GMT 2014

2.5 msec with 85 averages also seems to saturate the inner corona.

____end____

KCOR COMMENT BY berkey: Fri Oct 24 17:51:39 GMT 2014

2msec looks better but we still see saturation.

____end____

KCOR COMMENT BY berkey: Fri Oct 24 18:11:48 GMT 2014

Per the results of the testing we are going to try to run kcor at 1.1ms exposures with 256ms averages for a couple of hours.

____end____

Fri Oct 24 18:19:15 GMT 2014 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Oct 24 18:33:19 GMT 2014

Did some low tech solar viewing of the sunspots in active region 2192. Hopefully we get some tourist up here today, so we can (safely) show then naked eye visible sun spots.

____end____

****EVENT COMMENT BY berkey**** : Fri Oct 24 18:34:48 GMT 2014

The hedgerow prominence in the middle of the sun just north of the equator has an interesting look to it. It looks almost like a centipede or something, straight body with periodic feet sticking out either side at near regular spacing.

____end____

Fri Oct 24 19:21:58 GMT 2014 KCOR End Patrol

Fri Oct 24 19:21:59 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Fri Oct 24 19:37:56 GMT 2014 KCOR End Calibration Script

Fri Oct 24 19:38:13 GMT 2014 KCOR Start Synoptic Patrol

Fri Oct 24 19:38:13 GMT 2014 KCOR Start Synoptic Patrol

Fri Oct 24 20:22:32 GMT 2014 COMP End Patrol
Fri Oct 24 20:22:32 GMT 2014 COMP Start Patrol
Fri Oct 24 20:37:04 GMT 2014 COMP End Patrol
Fri Oct 24 20:42:35 GMT 2014 COMP Start Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Fri Oct 24 20:42:15 GMT 2014
Realigned sgs
____end____
Fri Oct 24 20:46:13 GMT 2014 KCOR Start Synoptic Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Fri Oct 24 21:18:20 GMT 2014
Very big patch seen in CaK in the middle of active region 2192.
____end____
****EVENT COMMENT BY berkey**** : Fri Oct 24 21:39:55 GMT 2014
Big flare from AR2192 at 21:00UT
____end____
Fri Oct 24 22:45:31 GMT 2014 KCOR End Patrol
KCOR COMMENT BY berkey: Fri Oct 24 22:45:59 GMT 2014
Realigning sgs
____end____
GENERAL OBSERVATORY COMMENT BY berkey: Fri Oct 24 22:48:37 GMT 2014
Realigning sgs
____end____
KCOR COMMENT BY berkey: Fri Oct 24 22:50:47 GMT 2014
taking 5 seconds of kcor streaming data at 1.1ms.
____end____
KCOR COMMENT BY berkey: Fri Oct 24 22:51:21 GMT 2014
First start was a mistake, lens cover was in the beam.
____end____
KCOR COMMENT BY berkey: Fri Oct 24 22:52:53 GMT 2014
starting the 1.1 ms kcor streaming data now.
____end____
KCOR COMMENT BY berkey: Fri Oct 24 22:55:06 GMT 2014
Starting kcor observing again with 512averages and 1.1ms exposure time.
____end____
Fri Oct 24 23:02:28 GMT 2014 KCOR Start Synoptic Patrol
Fri Oct 24 23:20:32 GMT 2014 COMP End Patrol
Fri Oct 24 23:21:05 GMT 2014 COMP Start Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Sat Oct 25 01:33:37 GMT 2014
light haze is degrading images in kcor and comp
d____end____
Sat Oct 25 01:56:37 GMT 2014 KCOR End Patrol
Sat Oct 25 01:57:02 GMT 2014 COMP End Patrol
Sat Oct 25 02:07:34 GMT 2014: PSPT Abort Patrol
Sat Oct 25 02:07:38 GMT 2014: PSPT Abort Patrol