
Mauna Loa Solar Observatory Observer's Log

Wed Jan 15 17:35:49 GMT 2014

Year: 14 Doy: 015

Observer: berkey

Wed Jan 15 17:37:52 GMT 2014: PSPT Start Patrol

CoMP COMMENT BY berkey: Wed Jan 15 17:49:54 GMT 2014

CoMP warmed up yesterday/last night, but it looks like the Camera protection VI crashed while trying to send an email out and failed to shutdown the camera.

I have disabled the email function in the protection VI.

____end____

CoMP COMMENT BY berkey: Wed Jan 15 17:54:07 GMT 2014

Running warm does not seem to have lead to major issues with the array. In the center occulter.vi the dark and coronal images look nonimal.

____end____

Wed Jan 15 17:58:48 GMT 2014 COMP Start Patrol

KCOR COMMENT BY berkey: Wed Jan 15 17:57:47 GMT 2014

Alice made socketcam changes this morning.

____end____

Wed Jan 15 18:14:39 GMT 2014 COMP End Patrol

Wed Jan 15 18:24:02 GMT 2014 COMP Start Patrol

Wed Jan 15 18:26:34 GMT 2014 KCOR Start Synoptic Patrol

CoMP COMMENT BY berkey: Wed Jan 15 18:38:07 GMT 2014

I think CoMP started to warm up at about Midnight HST that is when the rockwell-temp-record started to show a rise in temp, and subsequently stopped updating.

____end____

Wed Jan 15 18:49:08 GMT 2014 KCOR End Patrol

KCOR COMMENT BY berkey: Wed Jan 15 18:48:09 GMT 2014

Images look out of focus and I just noticed we are a few mm for yesterdays focus re-checking O1 focus.

____end____

KCOR COMMENT BY berkey: Wed Jan 15 19:07:18 GMT 2014

Auto-focus seems to be giving inconsistant and wrong results. Focused by hand for now to get back to observing.

____end____

Wed Jan 15 19:14:24 GMT 2014 KCOR Start Synoptic Patrol

Wed Jan 15 20:00:44 GMT 2014 KCOR End Patrol

Wed Jan 15 20:00:45 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Wed Jan 15 20:16:41 GMT 2014 KCOR End Calibration Script

Wed Jan 15 20:16:58 GMT 2014 KCOR Start Synoptic Patrol

Wed Jan 15 20:16:58 GMT 2014 KCOR Start Synoptic Patrol

Wed Jan 15 20:17:59 GMT 2014 COMP End Patrol

Wed Jan 15 20:18:07 GMT 2014 COMP Start Patrol

Wed Jan 15 20:22:07 GMT 2014 KCOR End Patrol

Wed Jan 15 20:21:57 GMT 2014 COMP End Patrol

Wed Jan 15 20:25:08 GMT 2014 KCOR Start Synoptic Patrol

Wed Jan 15 20:24:26 GMT 2014 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Jan 15 20:24:13 GMT 2014

SGS realigned

____end____

Wed Jan 15 22:17:03 GMT 2014 COMP Start Patrol

Wed Jan 15 22:17:02 GMT 2014 COMP End Patrol

KCOR COMMENT BY berkey: Wed Jan 15 22:40:14 GMT 2014

It looks like there is optical blooming in the raw kcor images. For cam0 this appears this happens on the right hand side of the image, and this occurs on the left hand side of cam1. It also appears in all 4 modulation states.

____end____

Thu Jan 16 00:09:59 GMT 2014 COMP End Patrol

Thu Jan 16 00:10:01 GMT 2014 COMP Start Patrol

Thu Jan 16 00:16:40 GMT 2014 COMP End Patrol

Thu Jan 16 00:17:32 GMT 2014 KCOR End Patrol

Thu Jan 16 00:33:51 GMT 2014 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Jan 16 00:34:10 GMT 2014

Clouds passed by, used this chance to realign SGS and check kcor focus code. Comp had driven slightly horizontally w.r.t kcor

____end____

KCOR COMMENT BY berkey: Thu Jan 16 00:41:07 GMT 2014

Changed the O1 auto-focus algorithm to use image intensity instead of sharpness, and created another fit focus sub vi to implement the parabolic fit. The camera auto focus uses only a subset of the total scan range near the sharpest pixel, this will not work for the O1 with its large flat section when the sun is behind the occulter.

____end____

Thu Jan 16 00:54:29 GMT 2014 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Jan 16 01:05:16 GMT 2014

Closing main dome for clouds

____end____

Thu Jan 16 01:56:11 GMT 2014 COMP Start Patrol

Thu Jan 16 02:02:28 GMT 2014 KCOR Start Synoptic Patrol

Thu Jan 16 03:36:44 GMT 2014 COMP End Patrol

Thu Jan 16 03:37:37 GMT 2014 KCOR End Patrol

Thu Jan 16 03:37:27 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Jan 16 03:41:36 GMT 2014

Got an MLO tour from John Barns, nice to know a little more about the neighbors.

____end____