

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Wed Apr 5 15:42:33 GMT 2017

Year: 17 Doy: 095

Observer: berkey

KCOR COMMENT BY berkey: Wed Apr 05 16:18:40 GMT 2017

Did a beam train inspection to try and trace down the source of the bright west limb feature which increasingly seems instrumental. Inspection didn't show anything obvious. While the instrument was apart the field lens was air cleaned, to blow off a few small dust particles.

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

Wed Apr 05 17:12:24 GMT 2017 Kcor Focus/alignment program exited

WEATHER COMMENT: berkey: Wed Apr 05 17:27:32 GMT 2017

Temp: 51.1f, Humidity: 11%, Pressure: 28.697in, Wind: 12mph from 133degs, Skies: mostly clear with light haze.

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

Wed Apr 05 17:31:46 GMT 2017 CoMP occulter has been re-centered

Wed Apr 05 17:32:05 GMT 2017 Kcor Focus/alignment program exited

Wed Apr 05 17:33:17 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Wed Apr 05 17:48:35 GMT 2017 SGS Alignment complete

KCOR COMMENT BY berkey: Wed Apr 05 18:04:25 GMT 2017

Kcor quick look images look soft. The O1 is at this nonimnal focus, perhaps the field lens is not well seated after the inspection.

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

Wed Apr 05 18:24:33 GMT 2017 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Wed Apr 05 18:32:55 GMT 2017

Trying a different kcor O1 focus position.

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

GENERAL COMMENT BY berkey: Wed Apr 05 18:41:35 GMT 2017

Focus still seems a bit soft.

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

Wed Apr 05 20:06:41 GMT 2017 KCOR Start Synoptic Patrol

Wed Apr 05 20:06:42 GMT 2017 KCOR End Patrol

Wed Apr 05 20:06:43 GMT 2017 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Wed Apr 05 20:15:06 GMT 2017 COMP End Patrol

Wed Apr 05 20:15:07 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk

Wed Apr 05 20:22:03 GMT 2017 KCOR End Calibration Script

Wed Apr 05 20:22:21 GMT 2017 KCOR Start Synoptic Patrol

Wed Apr 05 20:22:22 GMT 2017 KCOR Start Synoptic Patrol

Wed Apr 05 20:59:00 GMT 2017 KCOR End Patrol

Wed Apr 05 20:59:58 GMT 2017 SGS Alignment complete

Wed Apr 05 20:59:37 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Wed Apr 05 21:33:09 GMT 2017

Tried using the lower shutter as a wind shield and found the lower shutter un-operable.

After a bit of trouble shooting I found that some of the nuts that hold the slip-ring contact towers had become loose. Tightening them allowed the shutter operate again.

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

Wed Apr 05 21:47:42 GMT 2017 COMP End Patrol

Wed Apr 05 21:47:43 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Wed Apr 05 23:10:19 GMT 2017 KCOR End Patrol  
Wed Apr 05 23:11:26 GMT 2017 COMP End Patrol  
Wed Apr 05 23:13:50 GMT 2017 SGS Alignment complete  
Wed Apr 05 23:13:46 GMT 2017 CoMP occulter has been re-centered  
Wed Apr 05 23:15:17 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk  
Wed Apr 05 23:16:11 GMT 2017 Kcor Focus/alignment program exited  
Wed Apr 05 23:19:34 GMT 2017 KCOR Start Synoptic Patrol  
Thu Apr 06 01:56:56 GMT 2017 COMP End Patrol  
Thu Apr 06 01:56:56 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk  
Thu Apr 06 02:31:42 GMT 2017 COMP End Patrol  
Thu Apr 06 02:32:31 GMT 2017 CoMP occulter has been re-centered  
CoMP COMMENT BY berkey: Thu Apr 06 02:40:50 GMT 2017  
Ran CoMP until the occulter could no longer be aligned.  
\_\_\_\_end\_\_\_\_  
Thu Apr 06 03:20:06 GMT 2017 KCOR End Patrol