
Mauna Loa Solar Observatory Observer's Log

Mon Dec 11 16:36:55 GMT 2017

Year: 17 Doy: 345

Observer: waters

WEATHER COMMENT: waters: Mon Dec 11 17:06:59 GMT 2017

Temp 39F with windspeed at about 5-10mph from the South. Bands of cirrus across the sky , most on the Eastern horizon at the moment. Will wait to start up instruments.

____end____

GENERAL COMMENT BY waters: Mon Dec 11 17:22:40 GMT 2017

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY waters: Mon Dec 11 17:22:44 GMT 2017

PM Blew off CoMP O1

____end____

****KCOR PROBLEM COMMENT BY waters**** : Mon Dec 11 17:30:29 GMT 2017

Got an error exception again with Kcor SPii. O1 slide back and is sitting on the bolt that was installed. Currently Ben is taking a look and troubleshooting it.

Exception occurred in SPiiPlusCOM660.Channel.1: Code 130, Timeout expired in K-Cor -ACS_ Enable.vi->K-Cor-Mechanism-Get Mech Position.vi->Focus.vi

____end____

Mon Dec 11 18:05:22 GMT 2017 Kcor Focus/alignment program exited

Mon Dec 11 18:06:12 GMT 2017 Kcor Focus/alignment program exited

Mon Dec 11 18:07:45 GMT 2017 Kcor Focus/alignment program exited

KCOR COMMENT BY waters: Mon Dec 11 18:11:12 GMT 2017

Ended up moving the O1 manually and then rebooting SPii from the computer.

____end____

Mon Dec 11 20:09:16 GMT 2017 SGS Alignment complete

Mon Dec 11 20:10:19 GMT 2017 Kcor Focus/alignment program exited

Mon Dec 11 20:13:43 GMT 2017 CoMP occulter has been re-centered

GENERAL COMMENT BY waters: Mon Dec 11 20:14:00 GMT 2017

Sucker hole, delaying start up.

____end____

Mon Dec 11 20:48:42 GMT 2017 Testing the amount of time it takes for CoMP to send a comment to the log if the VPN is connected to boulder.

Mon Dec 11 20:49:26 GMT 2017 Testing the amount of time it takes for CoMP to send a comment to the log if the VPN is connected to boulder.

Mon Dec 11 20:53:49 GMT 2017 SGS Alignment complete

Mon Dec 11 20:53:44 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 20:54:41 GMT 2017 CoMP occulter has been re-centered

Mon Dec 11 20:56:09 GMT 2017 CoMP Start Patrol on cookbook: synoptic-00010.cbk

Mon Dec 11 20:58:54 GMT 2017 KCOR End Patrol

Mon Dec 11 20:58:55 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 20:58:56 GMT 2017 KCOR End Patrol

GENERAL COMMENT BY waters: Mon Dec 11 20:59:35 GMT 2017

Sucker hole, instruments idled.

____end____

Mon Dec 11 21:00:16 GMT 2017 CoMP Paused for clouds

Mon Dec 11 21:29:25 GMT 2017 CoMP Restarted from pause

Mon Dec 11 21:33:33 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 22:06:08 GMT 2017 KCOR End Patrol

Mon Dec 11 22:07:01 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Mon Dec 11 22:07:04 GMT 2017

Some light cirrus passing, pushing through it.

____end____

Mon Dec 11 22:07:42 GMT 2017 KCOR End Patrol

Mon Dec 11 22:08:29 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 22:15:34 GMT 2017 KCOR End Patrol

Mon Dec 11 22:16:03 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 22:41:44 GMT 2017 KCOR End Patrol

Mon Dec 11 22:43:48 GMT 2017 CoMP Paused for clouds

GENERAL COMMENT BY waters: Mon Dec 11 22:43:30 GMT 2017

Thicker cirrus passing, instruments idled.

____end____

Mon Dec 11 23:01:32 GMT 2017 KCOR Start Synoptic Patrol

Mon Dec 11 23:02:11 GMT 2017 CoMP Restarted from pause
Mon Dec 11 23:10:31 GMT 2017 KCOR End Patrol
Mon Dec 11 23:12:19 GMT 2017 CoMP Paused for clouds
GENERAL COMMENT BY waters: Mon Dec 11 23:12:45 GMT 2017
Cirrus crossingm, instruments idled.

____end____

Tue Dec 12 00:16:19 GMT 2017 SGS Alignment complete
Tue Dec 12 00:16:12 GMT 2017 KCOR Start Synoptic Patrol
Tue Dec 12 00:16:51 GMT 2017 CoMP Restarted from pause
Tue Dec 12 00:32:35 GMT 2017 KCOR End Patrol
Tue Dec 12 00:34:00 GMT 2017 CoMP Paused for clouds
Tue Dec 12 01:02:14 GMT 2017 CoMP Restarted from pause
Tue Dec 12 01:02:15 GMT 2017 COMP End Patrol

GENERAL COMMENT BY waters: Tue Dec 12 01:29:51 GMT 2017

The spar RA is oscillating between 50 and -100 arcseconds. Wind is between 13-18mph from the West. I put in the Polarizer and the diffuser to start back up Kcor and it seems to have triggered it. I just took them out of beam and it stopped oscillating. Currently going to look at the balance of the spar.

____end____

GENERAL COMMENT BY waters: Tue Dec 12 02:22:02 GMT 2017

We checked the balance of the RA pointing at start-up, noon, and end of day positions. We did this with all optics in vs all optics out. We ended up adding five pounds to the back of the spar. This seemed to eliminate the oscillation that I was seeing with all optics in in the afternoon position. Granted, the CoMP dewar is not filled, so this may change. We also checked the balance of the dec, which seemed fine. We might have tightened the dec a bit more than what it was at before.

____end____