
Mauna Loa Solar Observatory Observer's Log

Sun Nov 13 16:41:04 GMT 2016

Year: 16 Doy: 318

Observer: waters

WEATHER COMMENT: waters: Sun Nov 13 16:41:11 GMT 2016

Temp 40F with windspeed at about 8mph from the Southeast. Vog looks to be at at least 10,000ft and possible above. Otherwise, the sky looks clear this morning.

____end____

Sun Nov 13 17:05:23 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:13:22 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:13:29 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:13:35 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:14:41 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:18:10 GMT 2016 CoMP occulter has been re-centered

Sun Nov 13 17:21:13 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Sun Nov 13 17:21:47 GMT 2016 SGS Alignment complete

KCOR COMMENT BY waters: Sun Nov 13 16:58:42 GMT 2016

When I opened the Focus.vi on the Kcor computer, I got two different exceptions:

Exception occurred in SPiiPlusCOM660.Channel.1: Code 130, Timeout expired in K-Cor - ACS
- Enable.vi->K-Cor - Mechanism - Generic Mechanism Controller.vi-> Focus.vi

Exception occurred in SPiiPlusCOM660.Channel.1: Code 130, Timeout expired in K-Cor - ACS
- Enable.vi->K-Cor - Mechanism - Get Mech Position.vi->K-Cor MC4U Controller.vi

After getting the second error, the computer froze up. I have restarted the computer and as soon as I start the MC4U controller GUI, the second error pops up and if I hit the O1 focus on the Kcor Focus gui, the first and then second error pops up. This time, only the Focus GUI would freeze. I have adjusted SGS as best as I could but I will try to shut down and restart the Kcor computer again to see if by a small chance it'll clear the exceptions.

____end____

Sun Nov 13 17:32:01 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 17:33:00 GMT 2016 SGS Alignment complete

KCOR COMMENT BY waters: Sun Nov 13 17:37:33 GMT 2016

Restarting computer did not help. The MC4U exception keeps popping up every 45seconds and the Focus exception pops up when I try to do anything in the Kcor Focus GUI except for adjusting the exposure. The computer completely froze again when I tried to see if the O1 autofocus would work. When Kcor was finally above the dome, the O1 looked like the focus was off, so I won't start taking data for Kcor till we are able to get this sorted (hopefully today)...

____end____

Sun Nov 13 18:42:10 GMT 2016 CoMP Paused for clouds

Sun Nov 13 18:42:56 GMT 2016 CoMP Restarted from pause

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 18:39:40 GMT 2016

Some cirrus has come up from the South-Southwest, will keep an eye on it.

____end____

Sun Nov 13 19:33:14 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 19:34:27 GMT 2016 SGS Alignment complete

Sun Nov 13 19:34:45 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 19:57:19 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 20:01:13 GMT 2016 Kcor Focus/alignment program exited

Sun Nov 13 20:03:19 GMT 2016 COMP End Patrol

Sun Nov 13 20:03:20 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Sun Nov 13 20:04:22 GMT 2016 KCOR Start Synoptic Patrol

KCOR COMMENT BY waters: Sun Nov 13 20:00:31 GMT 2016

Talked to Allen, he suggested that I check the cables both in the control room and on the spar. Unfortunately there was nothing visible that I could see. After I was done checking the cord upstairs, I checked the lower Nema box on the East of the dome and noticed that the SPiiPlus 3U-LT had a red light that was labeled 'A_ON'. Went back downstairs and shut down the Kcor computer, then went upstairs to power down the TOP Nema box. Gave it a good twenty seconds before turning back on the TOP Nema box. Went back downstairs and turned on the Kcor computer and started MC4U controller GUI when the computer was ready. The timeout exception didn't pop up this time. Double checked the bottom Nema box upstairs and all the lights were green on the SPiiPlus box. I know it took a while

to trouble shoot and most of the manuals i could find didn't have much but Kcor is back up and running again. Thank you Allen for your suggestions, what you said helped me to wards the right direction!

____end____

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 20:15:52 GMT 2016

The move the ladder pop up scared me for a sec after my troubles with Kcor...But it's a good alert. Thanks Ben!

____end____

Sun Nov 13 20:27:22 GMT 2016 CoMP Paused for clouds

Sun Nov 13 20:27:26 GMT 2016 KCOR End Patrol

Sun Nov 13 20:27:55 GMT 2016 SGS Alignment complete

Sun Nov 13 20:27:58 GMT 2016 KCOR Start Synoptic Patrol

Sun Nov 13 20:28:02 GMT 2016 CoMP Restarted from pause

Sun Nov 13 20:37:17 GMT 2016 KCOR End Patrol

Sun Nov 13 20:37:59 GMT 2016 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 20:38:05 GMT 2016

Little bit of very thin cirrus popped up, kcor idled while it passed. Comp looked to be not effected too much, so pushed Comp through.

____end____

Sun Nov 13 20:48:55 GMT 2016 KCOR End Patrol

Sun Nov 13 20:49:22 GMT 2016 CoMP Paused for clouds

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 20:49:31 GMT 2016

The cirrus that has been just South of the Sun has come up just enough to be in its path. Kcor and Comp idled for a little bit.

____end____

Sun Nov 13 20:56:56 GMT 2016 CoMP Restarted from pause

Sun Nov 13 20:57:12 GMT 2016 KCOR Start Synoptic Patrol

Sun Nov 13 21:44:52 GMT 2016 COMP End Patrol

Sun Nov 13 21:45:05 GMT 2016 KCOR End Patrol

Sun Nov 13 21:46:12 GMT 2016 SGS Alignment complete

Sun Nov 13 21:46:59 GMT 2016 CoMP occulter has been re-centered

Sun Nov 13 21:47:01 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

Sun Nov 13 21:47:08 GMT 2016 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 21:47:17 GMT 2016

Comp occulter adjusted.

____end____

Sun Nov 13 23:03:48 GMT 2016 KCOR End Patrol

Sun Nov 13 23:04:14 GMT 2016 CoMP Paused for clouds

Sun Nov 13 23:04:31 GMT 2016 SGS Alignment complete

Sun Nov 13 23:04:43 GMT 2016 KCOR Start Synoptic Patrol

Sun Nov 13 23:04:46 GMT 2016 CoMP Restarted from pause

Sun Nov 13 23:07:07 GMT 2016 COMP End Patrol

Sun Nov 13 23:07:52 GMT 2016 CoMP occulter has been re-centered

Sun Nov 13 23:07:53 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk

GENERAL OBSERVATORY COMMENT BY waters: Sun Nov 13 23:08:07 GMT 2016

Comp occulter adjusted.

____end____

Mon Nov 14 01:48:54 GMT 2016 COMP End Patrol

Mon Nov 14 01:48:54 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Mon Nov 14 01:52:33 GMT 2016 KCOR End Patrol

Mon Nov 14 01:52:52 GMT 2016 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Nov 14 01:59:30 GMT 2016

Besides the hiccup I had with Kcor and a few passing cirrus, today was gorgeous!

____end____