
Mauna Loa Solar Observatory Observer's Log

Fri Sep 20 17:11:10 GMT 2013

Year: 13 Doy: 263

Observer: berkey

WEATHER COMMENT: berkey: Fri Sep 20 17:11:11 GMT 2013

Clear skies, temp 45f, wind 5mph from SW

____end____

**KCOR PROBLEM COMMENT BY berkey **: Fri Sep 20 17:11:26 GMT 2013

With kcor idled and only the MC4U controller vi running; labview caught the following error:

Expection occured in SPiiPlusCOM660.Channel.1 Code 132 Communications initalization failure in K-Cor - ACS -Connect.vi->Kcor Mechanism_Digital_Input.vi->K-cor MC4u Controller.vi

____end____

Fri Sep 20 17:31:39 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:31:57 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:34:24 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:40:27 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:40:39 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:43:08 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:43:19 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:45:46 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:45:57 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:47:59 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:48:09 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:49:41 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:49:54 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:52:32 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 17:52:44 GMT 2013 KCOR Start Synoptic Patrol

Fri Sep 20 17:54:58 GMT 2013 KCOR End Synoptic Patrol

Fri Sep 20 19:27:10 GMT 2013 COMP End Patrol

KCOR COMMENT BY berkey: Fri Sep 20 19:53:23 GMT 2013

It now appears that starting and stopping socketcam avging is what gives us our flips in pol states. Assuming this is true, we are attempting to take a full data set today.

Using k-cor stand anlong image acquisition.vi We started socketcam avging and found the left camera had the state [Bright, Dim, Mid, Mid] one of the common states we saw during the start/stop socketcams test earlier today.

Then while socketcam was streaming away we moved stages in and out of the beam to perform the mlso-calibration.ini sequence. Pausing at each Image=In to take at least 3 good (stages not moving) images. Scott has the file numbers that correspond to each step.

We then verified the system was stillin the [Bring, Dim, Mid Mid] state this was correct so we beleive socketcam and the modulator remained synced during the calibration steps. Optics were then moved out of the beam to start todays synoptic observations.

Note to find the mod states, we put the diffuser and polarizer into the beam with the polarizer homed and set to 0degs.

____end____

Fri Sep 20 20:08:18 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Fri Sep 20 20:21:38 GMT 2013

Stopping synoptic data

____end____

Fri Sep 20 20:49:17 GMT 2013 COMP Start Patrol

KCOR COMMENT BY berkey: Fri Sep 20 21:07:29 GMT 2013

Restarting synoptic data and confirming [bright,dim,mid,mid]

____end____

KCOR COMMENT BY berkey: Fri Sep 20 21:08:14 GMT 2013

image 210938 was the first good one.

____end____

Fri Sep 20 21:27:21 GMT 2013: PSPT Start Patrol

Fri Sep 20 23:36:52 GMT 2013: PSPT Start Patrol

Fri Sep 20 23:48:17 GMT 2013 COMP End Patrol

Fri Sep 20 23:48:18 GMT 2013 COMP Start Patrol

Sat Sep 21 01:30:05 GMT 2013: PSPT Start Patrol

Sat Sep 21 02:25:45 GMT 2013 COMP End Patrol

Sat Sep 21 02:31:51 GMT 2013: PSPT Abort Patrol

Sat Sep 21 02:31:55 GMT 2013: PSPT Abort Patrol

Sat Sep 21 02:31:59 GMT 2013: PSPT Abort Patrol

KCOR COMMENT BY berkey: Sat Sep 21 02:02:30 GMT 2013

Ending synoptic data at 020341.fits

Modulation state stayed constant that whole time.

____end____