
Mauna Loa Solar Observatory Observer's Log

Fri Mar 20 16:51:19 GMT 2015

Year: 15 Doy: 079

Observer: berkey

WEATHER COMMENT: berkey: Fri Mar 20 16:51:20 GMT 2015

temp 42f, wind 15mph from south, skies mostly clear with some patchy cirrus in the east and a weak inversion layer around 10,500 feet capping the vog.

____end____

KCOR COMMENT BY berkey: Fri Mar 20 16:52:17 GMT 2015

Added a new ini file in c:\kcor\ khwconfig.ini is now where the kcor observing program finds its hardware IDs including Calpol, diffuser, 01, Filter, Occulter, Modulator, and software. I think the software id number is definatly way wrong its been 1.0.6 since kcor was in Boulder and we definatly have made a couple software changes so I am not su re what this value should be.

The Camera Lookup values are not progrmatically stripped out of the c:\kcor\kcoconfig.i ni file like we have been striping the ID's for the last 2 days.

____end____

KCOR COMMENT BY berkey: Fri Mar 20 17:05:12 GMT 2015

Per note from Joan. Blew dust off the front side of the field lens.

____end____

Fri Mar 20 17:22:57 GMT 2015 COMP Start Patrol

Fri Mar 20 17:35:32 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Mar 20 17:49:35 GMT 2015

Increased sky brihtness, may be thin cirrus but I can't see the issue by visual inspect ion of the sky

____end____

Fri Mar 20 17:56:12 GMT 2015 KCOR End Patrol

Fri Mar 20 17:57:26 GMT 2015 CoMP Paused for clouds

Fri Mar 20 18:04:06 GMT 2015 CoMP Restarted from pause

Fri Mar 20 18:05:00 GMT 2015 KCOR Start Synoptic Patrol

Fri Mar 20 18:14:31 GMT 2015 KCOR End Patrol

Fri Mar 20 18:14:58 GMT 2015 CoMP Paused for clouds

Fri Mar 20 18:26:18 GMT 2015 CoMP Restarted from pause

Fri Mar 20 18:31:39 GMT 2015 CoMP Paused for clouds

Fri Mar 20 18:53:27 GMT 2015 CoMP Restarted from pause

Fri Mar 20 18:53:27 GMT 2015 COMP End Patrol

KCOR COMMENT BY berkey: Fri Mar 20 19:09:59 GMT 2015

Some of the fits header changes I made this morning/last night didnt get properly appli ed. Data taken before 18:53 had blank DIFFSRID,CALPOLID,TCAMLUT and RCAMLUT. For the DIFFSRID I had been trying to write its value into DIFFUSER instead. For CALPOLID I mi spelled CALPOLID as COLPOLID in the hwconfig.ini file so we didnt pick up a value for t hat. And in the CAMLUT I was writing the LUT value into the CAMID values which over wr ote the expected CAMID and put nothing into the LUT values.

After correcting these issues I took a couple frames with the cover in (see 20150320_19 0418_kcor.fts) which show expected values for the DIFFSRID, CALPOLID, TCAMID, RCAMID, T CAMLUT nad RCAMLUT.

____end____

GENERAL OBSERVATORY COMMENT BY berkey: Fri Mar 20 19:16:50 GMT 2015

Thin cirrus still making it impossible to run the corongraphs

____end____

Fri Mar 20 19:47:22 GMT 2015 COMP Start Patrol

KCOR COMMENT BY berkey: Fri Mar 20 19:32:12 GMT 2015

Taking some streaming data to calibrate the Kcor ND5 filter/cover.

Starting with a set of dark images at .2ms in folder 193743raw

Next taking a set of diffuser only images at .2ms in folder 193919raw

Next putting the lens cover in and taking images at 265ms in folder 194200raw

Next dark shutter at 265ms 194331raw

Next dark shutter at 215ms 194606raw

Next diffuser + ND5 at 215ms 194753raw

next diffuser + ND5 at 245ms 194910raw

Next dark shutter at 245ms 195022raw

Next dark shutter at 285ms 195231raw

Next diffuser + ND5 at 285ms 195349raw

next diffuser + ND5 at 315ms 195450raw

next dark shutter at 315ms 195611raw
next diffuser at .2ms 195839raw
next dark shutter at .2ms 200011raw
____end____
Fri Mar 20 20:03:18 GMT 2015 COMP End Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Fri Mar 20 20:08:33 GMT 2015
Moved upper shutter down, realigned sgs, and comp occulter. Skys are looking better now.
____end____
Fri Mar 20 20:10:02 GMT 2015 COMP Start Patrol
Fri Mar 20 20:15:30 GMT 2015 KCOR Start Synoptic Patrol
Fri Mar 20 20:35:12 GMT 2015 KCOR End Patrol
Fri Mar 20 20:35:12 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini
Fri Mar 20 20:51:07 GMT 2015 KCOR End Calibration Script
Fri Mar 20 20:51:24 GMT 2015 KCOR Start Synoptic Patrol
Fri Mar 20 20:51:25 GMT 2015 KCOR Start Synoptic Patrol
Fri Mar 20 22:19:51 GMT 2015 KCOR End Patrol
Fri Mar 20 22:20:22 GMT 2015 CoMP Paused for clouds
Fri Mar 20 22:23:27 GMT 2015 CoMP Restarted from pause
Fri Mar 20 22:23:33 GMT 2015 KCOR Start Synoptic Patrol
Fri Mar 20 22:38:50 GMT 2015 KCOR End Patrol
Fri Mar 20 22:39:22 GMT 2015 CoMP Paused for clouds
Fri Mar 20 22:45:10 GMT 2015 KCOR Start Synoptic Patrol
Fri Mar 20 22:45:12 GMT 2015 CoMP Restarted from pause
Fri Mar 20 23:15:04 GMT 2015 KCOR End Patrol
Fri Mar 20 23:15:22 GMT 2015 COMP End Patrol
Fri Mar 20 23:17:43 GMT 2015 COMP Start Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Fri Mar 20 23:20:33 GMT 2015
Adjusted sgs and comp occulter
____end____
Fri Mar 20 23:23:36 GMT 2015 KCOR Start Synoptic Patrol
Sat Mar 21 00:01:59 GMT 2015 KCOR End Patrol
Sat Mar 21 00:02:11 GMT 2015 CoMP Paused for clouds
GENERAL OBSERVATORY COMMENT BY berkey: Sat Mar 21 00:01:59 GMT 2015
Low clouds near the observatory.
____end____
Sat Mar 21 00:09:31 GMT 2015 KCOR Start Synoptic Patrol
Sat Mar 21 00:09:35 GMT 2015 CoMP Restarted from pause
Sat Mar 21 00:22:00 GMT 2015 KCOR End Patrol
Sat Mar 21 00:24:23 GMT 2015 KCOR Start Synoptic Patrol
Sat Mar 21 00:35:05 GMT 2015 KCOR End Patrol
Sat Mar 21 00:35:34 GMT 2015 CoMP Paused for clouds
Sat Mar 21 00:58:34 GMT 2015 CoMP Restarted from pause
Sat Mar 21 00:58:34 GMT 2015 COMP End Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Sat Mar 21 01:05:18 GMT 2015
Closing domes for fog coming up the hill
____end____