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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 23 16:27:32 GMT 2019

Year: 19 Doy: 266

Observer: waters

WEATHER COMMENT: waters: Mon Sep 23 16:42:37 GMT 2019

Temp 48F with windspeed negligible at present. Sky looks clear, although there is a little patch of cirrus to the North and clouds at about 10,000ft.

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

GENERAL COMMENT BY waters: Mon Sep 23 16:51:40 GMT 2019

PM Blew off Kcor 01

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 16:51:34 GMT 2019

Windows opened upstairs

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

GONG COMMENT BY waters: Mon Sep 23 17:05:42 GMT 2019

Went down to the shelter and did the desiccant PM.

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

KCOR COMMENT BY waters: Mon Sep 23 17:10:57 GMT 2019

Kcor about the dome 13.29

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

Mon Sep 23 17:13:13 GMT 2019 Kcor Focus/alignment program exited

Mon Sep 23 17:14:13 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 17:15:28 GMT 2019 KCOR Start Synoptic Patrol

KCOR COMMENT BY waters: Mon Sep 23 17:41:19 GMT 2019

Stopping normal observations and going to take darks/flats at various exposure times.

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

Mon Sep 23 17:41:56 GMT 2019 KCOR End Patrol

Mon Sep 23 17:45:48 GMT 2019 KCOR Modulation started in the proper state

KCOR COMMENT BY waters: Mon Sep 23 17:43:12 GMT 2019

Exposure time 0.6ms. Taking calibrations once Kcor is up

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

Mon Sep 23 17:47:07 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini

KCOR COMMENT BY waters: Mon Sep 23 17:54:37 GMT 2019

Calibration aborted as the script was hanging. Ben is currently looking into it.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 18:17:12 GMT 2019

Seems that it was an ACS issue and that it would have failed during a normal calibration. Power cycled both the ACS and the Kcor computer.

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

Mon Sep 23 18:25:19 GMT 2019 Kcor Focus/alignment program exited

Mon Sep 23 18:27:13 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 18:35:10 GMT 2019 KCOR Modulation started in the proper state

KCOR COMMENT BY waters: Mon Sep 23 18:33:38 GMT 2019

It seems that once I changed the exposure time to 0.6ms and start the KCor GUI. Going to test it now.

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

KCOR COMMENT BY waters: Mon Sep 23 18:35:36 GMT 2019

Starting Kcor GUI with the normal presets, exposure time is 2.5ms.

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

KCOR COMMENT BY waters: Mon Sep 23 18:36:42 GMT 2019

Polarizer rotates fine and MC4U controller works normal. Stopping acqution and changing exposure time.

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

KCOR COMMENT BY waters: Mon Sep 23 18:39:29 GMT 2019

MC4U controller working and polarizer roates fine. Changed the exposure to 0.6ms and starting up Kcor observations.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 18:40:50 GMT 2019

Kcor did not start up in the correct state.

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

Mon Sep 23 18:42:03 GMT 2019 KCOR Modulation started in the proper state

KCOR COMMENT BY waters: Mon Sep 23 18:41:47 GMT 2019

Polarizer rotated fine after I shut down Kcor acqution since it started in the wrong state.

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

Mon Sep 23 18:44:10 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini

KCOR COMMENT BY waters: Mon Sep 23 18:43:45 GMT 2019

Polarizer seems to be working now once the acquistion GUI has started.

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

KCOR COMMENT BY waters: Mon Sep 23 18:44:41 GMT 2019

Calibrations started with exposure at 0.6ms

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

Mon Sep 23 18:54:20 GMT 2019 KCOR End Calibration Script

KCOR COMMENT BY waters: Mon Sep 23 18:56:08 GMT 2019

Starting Kcor with exposure lms

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

Mon Sep 23 18:56:58 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 18:58:16 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini

Mon Sep 23 19:08:26 GMT 2019 KCOR End Calibration Script

KCOR COMMENT BY waters: Mon Sep 23 19:09:20 GMT 2019

Starting with exposure 1.5ms

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

Mon Sep 23 19:10:14 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 19:11:34 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini

Mon Sep 23 19:14:06 GMT 2019 KCOR ABORT Calibration Script

GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 19:14:59 GMT 2019

Clouds started crossing, calibration aborted and lens cover put in.

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

KCOR COMMENT BY waters: Mon Sep 23 19:24:28 GMT 2019

Looks clear again with a good window; restarting Kcor with exposure 1.5ms

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

Mon Sep 23 19:24:53 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 19:26:12 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini

Mon Sep 23 19:36:21 GMT 2019 KCOR End Calibration Script

KCOR COMMENT BY waters: Mon Sep 23 19:37:18 GMT 2019

Starting with exposure 2ms

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

Mon Sep 23 19:38:03 GMT 2019 KCOR Modulation started in the proper state

Mon Sep 23 19:39:23 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 19:42:45 GMT 2019 KCOR ABORT Calibration Script  
GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 19:42:52 GMT 2019  
Clouds starting to come up fast, exposure 2ms calibration aborted.  
\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 19:45:01 GMT 2019  
Some of the clouds coming in look a little low, closing the dome just in case  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 20:09:44 GMT 2019 Kcor Focus/alignment program exited  
Mon Sep 23 20:12:10 GMT 2019 KCOR Modulation started in the proper state  
GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 20:11:55 GMT 2019  
Looks like we have an opening, going to try the calibration again  
\_\_\_\_end\_\_\_\_  
KCOR COMMENT BY waters: Mon Sep 23 20:12:36 GMT 2019  
Starting with exposure 2ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 20:13:28 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 20:23:37 GMT 2019 KCOR End Calibration Script  
KCOR COMMENT BY waters: Mon Sep 23 20:24:33 GMT 2019  
Starting with exposure 2.5ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 20:25:26 GMT 2019 KCOR Modulation started in the proper state  
Mon Sep 23 20:26:44 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 20:36:54 GMT 2019 KCOR End Calibration Script  
KCOR COMMENT BY waters: Mon Sep 23 20:37:45 GMT 2019  
Starting with exposure 3ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 20:38:10 GMT 2019 KCOR Modulation started in the proper state  
Mon Sep 23 20:39:28 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 20:49:38 GMT 2019 KCOR End Calibration Script  
KCOR COMMENT BY waters: Mon Sep 23 20:50:30 GMT 2019  
Starting with exposure 3.5ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 20:51:11 GMT 2019 KCOR Modulation started in the proper state  
Mon Sep 23 20:52:30 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 21:02:44 GMT 2019 KCOR End Calibration Script  
KCOR COMMENT BY waters: Mon Sep 23 21:03:40 GMT 2019  
Starting with exposure 4ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 21:04:07 GMT 2019 KCOR Modulation started in the proper state  
Mon Sep 23 21:05:41 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 21:15:51 GMT 2019 KCOR End Calibration Script  
KCOR COMMENT BY waters: Mon Sep 23 21:16:40 GMT 2019  
Starting with exposure 4.5ms  
\_\_\_\_end\_\_\_\_  
Mon Sep 23 21:17:05 GMT 2019 KCOR Modulation started in the proper state  
Mon Sep 23 21:18:25 GMT 2019 KCOR Start Calibration script: C:\kcor\dark-flat-20190917.ini  
Mon Sep 23 21:28:34 GMT 2019 KCOR End Calibration Script

KCOR COMMENT BY waters: Mon Sep 23 21:28:50 GMT 2019

End of dark/flats at different exposure times. Going to restart the acquisition GUI and start taking regular data again.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Sep 23 21:33:42 GMT 2019

Low clouds coming up from Saddle, dome closed

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

GONG COMMENT BY waters: Mon Sep 23 23:38:37 GMT 2019

Went down to the shelter and opened the door as we're starting to see red on the temperatures, specifically Temp\_ins and Temp\_tbl. Will close the door when it cools or before heading out.

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

GENERAL OBSERVATORY COMMENT BY waters: Tue Sep 24 01:25:18 GMT 2019

Got a little bit of data in the morning and then took a set of darks and flats at different exposures for Giuliana. As soon as I was able to finish those, low clouds rolled in and stayed for the rest of the day. Hope tomorrow is better.

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

ONSITE STAFF: waters