
Mauna Loa Solar Observatory Observer's Log

Mon Nov 25 16:56:00 GMT 2013

Year: 13 Doy: 329

Observer: berkey

WEATHER COMMENT: berkey: Mon Nov 25 16:56:04 GMT 2013

temp 42, winds 13mph from SE, clear skies

____end____

Mon Nov 25 17:16:04 GMT 2013: PSPT Start Patrol

Mon Nov 25 17:23:56 GMT 2013 COMP Start Patrol

Mon Nov 25 17:29:59 GMT 2013 COMP End Patrol

KCOR COMMENT BY berkey: Mon Nov 25 17:35:56 GMT 2013

Changed diffrid to mk4-opal

____end____

Mon Nov 25 17:37:36 GMT 2013 COMP Start Patrol

KCOR COMMENT BY berkey: Mon Nov 25 17:48:55 GMT 2013

Starting kcor with exposure time of 1ms

____end____

Mon Nov 25 17:50:12 GMT 2013 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon Nov 25 18:04:06 GMT 2013

Before startup this morning one of the ADR sensors was moved to what might be a better position.

____end____

Mon Nov 25 18:49:11 GMT 2013 KCOR End Patrol

Mon Nov 25 18:49:12 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22d eg.ini

Mon Nov 25 19:04:18 GMT 2013 KCOR End Calibration Script

Mon Nov 25 19:04:19 GMT 2013 KCOR Start Synoptic Patrol

Mon Nov 25 19:04:19 GMT 2013 KCOR Start Synoptic Patrol

KCOR COMMENT BY mlso: Mon Nov 25 19:49:31 GMT 2013

There is a "funky" frame between calibration and restarting science data. We need to wait a few more seconds before changing the engineering flag off and the science flag back on.

____end____

Mon Nov 25 20:54:06 GMT 2013 COMP End Patrol

Mon Nov 25 20:54:07 GMT 2013 COMP Start Patrol

Mon Nov 25 21:37:50 GMT 2013 KCOR End Patrol

Mon Nov 25 21:38:04 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22d eg.ini

KCOR COMMENT BY mlso: Mon Nov 25 21:50:28 GMT 2013

This morning's cal flux was very high. About double the afternoon flux, perhaps the diffuser wasn't in the beam.

____end____

Mon Nov 25 21:52:11 GMT 2013 KCOR End Calibration Script

Mon Nov 25 21:53:15 GMT 2013 KCOR Start Synoptic Patrol

Mon Nov 25 22:21:31 GMT 2013 KCOR End Patrol

Mon Nov 25 22:22:25 GMT 2013 COMP End Patrol

Mon Nov 25 22:32:35 GMT 2013 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY mlso: Mon Nov 25 22:19:05 GMT 2013

Guider has moved a bit w.r.t kcor and mk4. Adding in an offset on the guider +10,-30 (ra,dec).

____end____

Mon Nov 25 22:37:19 GMT 2013 COMP End Patrol

Mon Nov 25 22:44:28 GMT 2013 KCOR Start Synoptic Patrol

Mon Nov 25 22:44:56 GMT 2013 COMP Start Patrol

KCOR COMMENT BY mlso: Mon Nov 25 22:33:18 GMT 2013

Labview crashed in a funky way and didn't allow any control. Rebooted system to get labview to do anything. I also noted the BB server didn't automatically seem to start. To address this I added a shortcut to the BB electronics USB hosts program in the startup folder, I think this should fix the problem going forward.

____end____

KCOR COMMENT BY mlso: Mon Nov 25 22:49:18 GMT 2013

Post reboot of the kcor machine I also added a new keyword to the fits header BSCALE, this is hard coded to 1.0. This was done in the create fits header vi so it does not show up in the FITS header indicator on the main gui page.

____end____

Tue Nov 26 00:17:22 GMT 2013 KCOR End Patrol

KCOR COMMENT BY berkey: Tue Nov 26 00:42:31 GMT 2013

Cleaned up a few things in Kcor.

Added a 16second delay between returning from a calibration to turning the science flag back on. This delay only occurs if the observing code was in science mode before starting the calibration (in which case we return to science). If the cal started in engineering it drops back to engineering with no delay.

Also added a error handler to the ILX VISA reader in the MC4u controller. If the error code comes back as 1073676418 the modulator temperature is written to the fits header and displayed in the mc4u gui. If the error is anything else no changes were made to the fits header of gui display; and importantly no error is popped up for the observer.

____end____

Tue Nov 26 00:47:03 GMT 2013: PSPT Abort Patrol

Tue Nov 26 00:48:06 GMT 2013 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Tue Nov 26 01:09:06 GMT 2013

Had a minor ADR issue all day where it seemed to not notice the dome edge everytime. Turns out the ADR sensor I moved this morning was a little loose and not well pointed at the sun. I believe it is better placed now.

____end____

COMP COMMENT BY berkey: Tue Nov 26 01:10:13 GMT 2013

The script to copy data from e:\ to mlsoserver got moved last week but the scheduled task didn't get updated. It has been updated now and I have triggered it to start copying.

____end____