
Mauna Loa Solar Observatory Observer's Log

Mon May 18 16:34:48 GMT 2015

Year: 15 Doy: 138

Observer: berkey

WEATHER COMMENT: berkey: Mon May 18 16:36:34 GMT 2015

Temp: 43.2f, Humidity: 14%, Pressure: 28.693in, Wind: 5mph from the South, Skies: thin cirrus which appears to have been burning off since sun rise if the trend continues we should coronal skies in a hour or so.

____end____

KCOR COMMENT BY berkey: Mon May 18 16:40:36 GMT 2015

Last night after observing was over I logged in remotely and took a series of darks with the lookup tables turned off. Since the remote connection slightly taxes the computer resources there was an elevated number of dropped frames on some of the images; however I don't think that will effect the collected data.

Dark data with Luts turned off. Lots of lagged frames

Exp time	Data valid	sum cam1	sum cam2
1 msec darks 03:15:59-03:16:46	2.47e9	2.63e9	
.1 msec darks 03:19:32-03:20:20	3.53e9	3.59e9	
.2 msec darks 03:22:08-03:22:55	3.48e9	3.48e9	
.3 msec darks 03:24:03-03:24:50	3.38e9	3.39e9	
.4 msec darks 03:25:55-03:27:13	3.31e9	3.27e9	
.5 msec darks 03:28:23-03:29:56	3.20e9	3.11e9	
.6 msec darks 03:30:55-03:32:13	3.06e9	2.97e9	
.7 msec darks 03:33:14-03:34:16	2.76e9	2.75e9	
.8 msec darks 03:35:09-03:36:27	2.50e9	2.66e9	
.9 msec darks 03:37:16-03:38:34	2.50e9	2.66e9	
1 msec darks 03:39:34-03:40:52	2.48e9	2.65e9	
2 msec darks 03:41:53-03:43:11	2.54e9	2.74e9	
3 msec darks 03:45:08-03:46:26	2.58e9	2.78e9	
4 msec darks 03:47:06-03:48:24	2.64e9	2.88e9	
5 msec darks 03:49:23-03:50:41	2.66e9	2.93e9	
6 msec darks 03:41:45-03:53:18	2.64e9	2.86e9	
7 msec darks 03:54:18-03:55:51	2.43e9	2.65e9	
8 msec darks 03:56:35-03:58:38	3.20e9	3.16e9	

____end____

Mon May 18 17:43:14 GMT 2015 COMP Start Patrol

Mon May 18 17:52:11 GMT 2015 CoMP Paused for clouds

Mon May 18 18:06:59 GMT 2015 CoMP Restarted from pause

Mon May 18 18:06:59 GMT 2015 COMP End Patrol

KCOR COMMENT BY berkey: Mon May 18 20:04:32 GMT 2015

For a test we are trying to take some kcor data with the 1-to-1 LUTS applied instead of nominal LUTS that were created in 2013-12-03. However when starting socketcam with tables, the following error.

Image read error:

Only read 8192 bytes to C:/kcor/lut/lut_cam0_quad0-1to1.bin
Expected 16384.

Looks like the 1-to-1 luts were built before we moved to 16bit integers.

-Ben

____end____

KCOR COMMENT BY berkey: Mon May 18 22:24:49 GMT 2015

Running Kcor with perfect_12bit_adc_linear look up tables to try to understand kcor dark data. Starting data collection with

avg 512 0 0

.1 msec 21:33:42-21:35:00	4.44e9	4.10e9
.2 msec 21:35:48-21:36:51	4.40e9	3.99e9
.3 msec 21:38:04-21:39:07	4.33e9	3.86e9
.4 msec 21:39:48-21:41:06	4.23e9	3.7e9
.5 msec 21:41:49-21:42:51	4.08e9	3.57e9
.6 msec 21:43:40-21:44:42	3.91e9	3.43e9
.7 msec 21:45:44-21:47:02	3.56e9	3.21e9
.8 msec 21:48:05-21:49:23	3.21e9	3.08e9

.9	msec	21:50:14-21:41:32	3.21e9	3.06e9
1	msec	21:52:15-21:53:33	3.21e9	3.10e9
1.1	msec	21:54:22-21:44:24	3.21e9	3.10e9
1.2	msec	21:56:06-21:57:24	3.25e9	3.14e9
1.3	msec	21:58:05-21:59:23	3.26e9	3.16e9
1.4	msec	22:00:10-22:01:28	3.26e9	3.17e9
1.5	msec	22:02:17-22:03:35	3.26e9	3.17e9
1.6	msec	22:04:18-22:05:36	3.28e9	3.19e9
1.7	msec	22:06:24-22:07:42	3.26e9	3.16e9
1.8	msec	22:08:37-22:09:54	3.29e9	3.19e9
1.9	msec	22:10:43-22:12:01	3.29e9	3.20e9
2.0	msec	22:13:00-22:14:02	3.32e9	3.21e9
3.0	msec	22:14:51-22:15:53	3.37e9	3.31e9
4.0	msec	22:16:45-22:17:48	3.43e9	3.39e9
5.0	msec	22:18:40-22:19:42	3.48e9	3.46e9
6.0	msec	22:20:36-22:21:53	3.43e9	3.36e9
7.0	msec	22:23:50-22:24:08	3.20e9	3.19e9

____end____

Mon May 18 23:46:03 GMT 2015 COMP Start Patrol

KCOR COMMENT BY berkey: Mon May 18 23:47:28 GMT 2015

Reverting to 2013-12-03 look up tables to try and take some coronal data on kcor.

____end____

GENERAL COMMENT BY berkey: Mon May 18 23:51:29 GMT 2015

Thought that sucker hole would stay open longer.

____end____

Mon May 18 23:51:29 GMT 2015 CoMP Paused for clouds

Tue May 19 00:05:27 GMT 2015 CoMP Restarted from pause

Tue May 19 00:05:28 GMT 2015 COMP End Patrol