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Mauna Loa Solar Observatory Observer's Log  
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Wed Nov 13 16:42:00 GMT 2013

Year: 13 Doy: 317

Observer: berkey

WEATHER COMMENT: berkey: Wed Nov 13 16:42:02 GMT 2013

temp 38f, wind 15mph (gusting to 25) from the S, clear skies.

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

KCOR COMMENT BY berkey: Wed Nov 13 16:42:40 GMT 2013

Re-compiled socket cam with signed 16bit data. BITPIX was changed to 16 and Bzero to 32768 in labview.

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

Wed Nov 13 17:10:38 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Wed Nov 13 17:35:06 GMT 2013

Images look funky in recent image display. Cam0 is pure white cam1 is pure black.

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

Wed Nov 13 17:36:48 GMT 2013 COMP Start Patrol

KCOR COMMENT BY berkey: Wed Nov 13 17:37:16 GMT 2013

Fits images look ok. I think it is just the display code.

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

GENERAL OBSERVATORY COMMENT BY berkey: Wed Nov 13 17:56:12 GMT 2013

Clouds starting to come down off the summit ridgeline

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

Wed Nov 13 18:36:09 GMT 2013 KCOR Start Calibration script: C:\kcor\mlso-calibration22deg.ini

KCOR COMMENT BY berkey: Wed Nov 13 18:36:14 GMT 2013

I am having trouble figure out exactly how to get the data to be transferred around labview in the proper way. Every time a conversion from signed to unsigned happens we look at everything. It seems like the conversion truncates data that is less than 0 which seems to kill everything we have since nearly all the values are less than zero.

Taking a 22 degree calibration now to check and see if the values in the fits files seem to make sense.

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

Wed Nov 13 18:52:05 GMT 2013 KCOR End Calibration Script

KCOR COMMENT BY berkey: Wed Nov 13 18:50:05 GMT 2013

The morning cal was started in the cam0 state of Dark, mid, mid, bright. (not correct)

I couldn't tell until I saw the fits images.

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

Wed Nov 13 19:21:29 GMT 2013 KCOR Start Calibration script: C:\kcor\mlso-calibration22deg.ini

KCOR COMMENT BY berkey: Wed Nov 13 19:21:34 GMT 2013

Restarting 22.5 degree cal with proper state order

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

Wed Nov 13 19:37:27 GMT 2013 KCOR End Calibration Script

Wed Nov 13 19:37:48 GMT 2013 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Nov 13 19:33:27 GMT 2013

Wind direction seems to be turning more west so we should be able to get a few more hours of observing in today if those clouds stay one the ridge. For comparison Mauna Kea is currently shrouded in fog and the roads are icing. Forecast calls for 70mph+ winds and heavy snow starting around noon today... but right now it is sunny at MLSO

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

Wed Nov 13 20:35:10 GMT 2013 KCOR End Patrol

Wed Nov 13 20:35:21 GMT 2013 COMP End Patrol

Wed Nov 13 20:36:49 GMT 2013: PSPT Abort Patrol

Wed Nov 13 20:36:53 GMT 2013: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Nov 13 20:37:09 GMT 2013

Idling instruments and closing domes for clouds

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

GENERAL OBSERVATORY COMMENT BY berkey: Wed Nov 13 21:29:45 GMT 2013

After about 10:15 local time there was a lot of passing clouds so many of the data will have a large cloud background.

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

KCOR COMMENT BY berkey: Wed Nov 13 22:00:22 GMT 2013

Pulled the alignment laser V mount out of k-cor for shipping back to HAO. Dennis needs it for some alignment project.

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

GENERAL OBSERVATORY COMMENT BY berkey: Thu Nov 14 01:37:14 GMT 2013

I guess NWS was wrong, it didnt start snowing at noon, instead we got 500ft of patchy c  
loud cover with clear skies behind it. And the winds remain 20-25 from SW

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