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Mauna Loa Solar Observatory Observer's Log  
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Wed Dec 11 17:14:55 GMT 2013

Year: 13 Doy: 345

Observer: berkey

WEATHER COMMENT: berkey: Wed Dec 11 17:14:58 GMT 2013

temp 44f, wind 18mph from S, clear skies

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

KCOR COMMENT BY berkey: Wed Dec 11 17:15:13 GMT 2013

Hepa's off. Taking streaming data dark current test.

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

Wed Dec 11 17:27:38 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Wed Dec 11 17:41:23 GMT 2013

Hepa's back on

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

Wed Dec 11 17:55:55 GMT 2013 COMP Start Patrol

Wed Dec 11 18:05:29 GMT 2013 KCOR Start Synoptic Patrol

Wed Dec 11 19:20:03 GMT 2013 KCOR End Patrol

Wed Dec 11 19:20:04 GMT 2013 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

KCOR COMMENT BY berkey: Wed Dec 11 19:18:11 GMT 2013

Modulator temp was 35.1 this morning, but was reporting 0 because the USB Server was off. It is back on now

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

Wed Dec 11 19:36:05 GMT 2013 KCOR End Calibration Script

Wed Dec 11 19:36:21 GMT 2013 KCOR Start Synoptic Patrol

Wed Dec 11 19:36:21 GMT 2013 KCOR Start Synoptic Patrol

Wed Dec 11 21:09:36 GMT 2013 COMP End Patrol

Wed Dec 11 21:09:39 GMT 2013 COMP Start Patrol

Wed Dec 11 21:33:17 GMT 2013 KCOR End Patrol

Wed Dec 11 21:34:36 GMT 2013 COMP End Patrol

Wed Dec 11 21:36:21 GMT 2013 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Dec 11 21:35:20 GMT 2013

Adjusted the sgs offsets to match comp. Socketcam allowed to continue running with lens cover in during the adjustment.

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

Wed Dec 11 21:36:52 GMT 2013 KCOR Start Synoptic Patrol

Wed Dec 11 22:45:42 GMT 2013 COMP End Patrol

Wed Dec 11 22:45:10 GMT 2013 KCOR End Patrol

Wed Dec 11 22:47:07 GMT 2013 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Dec 11 22:46:35 GMT 2013

Realigned sgs again

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

Wed Dec 11 22:49:44 GMT 2013 COMP Start Patrol

Wed Dec 11 23:31:10 GMT 2013 KCOR End Patrol

Wed Dec 11 23:40:57 GMT 2013 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Wed Dec 11 23:39:28 GMT 2013

Attempted to blow off the bandpass filter to attempt to remove the diffraction artifact south of the sun

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

Wed Dec 11 23:41:11 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Wed Dec 11 23:41:56 GMT 2013

There now seems to be a dark band to the bottom right of camera0 bottom left of camera1 (at least in the raw images). I am not sure if this was a feature before I attempted to clean it

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

KCOR COMMENT BY berkey: Wed Dec 11 23:44:53 GMT 2013

Bandpass intervention failed to remove the diffraction feature. If there is dust on the solar side of the optic; it is unlikely it can be blown off without removing the filter from the telescope

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

Thu Dec 12 02:02:06 GMT 2013 COMP End Patrol

Thu Dec 12 02:02:09 GMT 2013 COMP Start Patrol

KCOR COMMENT BY berkey: Thu Dec 12 02:10:31 GMT 2013

For some reason there is a lot of dynamism of the "corona" in the south of the quick view gifs this afternoon. This is seen in Alice's reduction code and when I do a quick reduction by hand; so I think this is actually some sort of feature in the fits data.

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

Thu Dec 12 02:53:56 GMT 2013 KCOR End Patrol

Thu Dec 12 02:54:45 GMT 2013 COMP End Patrol

KCOR COMMENT BY berkey: Thu Dec 12 02:15:11 GMT 2013

Looks like there is a small cme/cavity forming near PA280 starting at around 0UT

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

Thu Dec 12 02:54:40 GMT 2013: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Dec 12 03:07:49 GMT 2013

Met someone from NASA that wants to put a laser communication module on Mauna Loa, if it comes they will bring a 10+mbit fiber to MLO. Hopefully this works out.

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