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Mauna Loa Solar Observatory Observer's Log  
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Fri Dec 26 17:09:46 GMT 2014

Year: 14 Doy: 360

Observer: berkey

WEATHER COMMENT: berkey: Fri Dec 26 17:09:47 GMT 2014

temp 43f, wind 20mph from SW, clear skies

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

Fri Dec 26 17:34:11 GMT 2014: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Dec 26 17:34:38 GMT 2014

Starting up instruments with the shutters about 1/2 closed to try to act like a wind shield. With the current wind direction there is very little turbulence on the spar/pspt tube

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

Fri Dec 26 17:58:43 GMT 2014 COMP Start Patrol

Fri Dec 26 18:05:41 GMT 2014 KCOR Start Synoptic Patrol

COMP COMMENT BY berkey: Fri Dec 26 18:05:04 GMT 2014

I had a lot of trouble getting the comp E/W occulting stage aligned this morning. For some reason the COMP.vi didn't read the current position when it started up and assumed 0. Moving from this position I completely lost the pointing. My initial attempt to recover involved manually driving the occulter in by turning the NSC200 knob while looking at the solar image with the comp cover off. This. This realigned the occulter but I still had trouble controlling it from COMP.vi Next I re-homed the E/W motor (manually with the knob), then put the opal in the beam and used the center occulter.vi to drive the occulter back to the center.

I am not sure I understand why the vi lost control of the motor in the first place, and I wish we had some way to investigate this deeper.

But I think that from now on, putting the occulter in the beam to fix a grossly misaligned comp occulter is probably the fastest safest way to proceed.

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

GENERAL OBSERVATORY COMMENT BY berkey: Fri Dec 26 18:25:14 GMT 2014

Some flaring seen in AR2249 around 18UT in the gong halpha data.

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

Fri Dec 26 19:39:18 GMT 2014 KCOR End Patrol

Fri Dec 26 19:39:19 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Fri Dec 26 19:55:11 GMT 2014 KCOR End Calibration Script

Fri Dec 26 19:55:27 GMT 2014 KCOR Start Synoptic Patrol

Fri Dec 26 19:55:27 GMT 2014 KCOR Start Synoptic Patrol

Fri Dec 26 20:56:30 GMT 2014 KCOR End Patrol

Fri Dec 26 20:56:31 GMT 2014 COMP End Patrol

Fri Dec 26 21:03:27 GMT 2014 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Fri Dec 26 21:06:40 GMT 2014

Winds seem to be clocking around to the west.

Sgs realigned to kcor/comp

Lower shutter moved down to act as a bit of a wind shield as we start pointing toward the west.

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

Fri Dec 26 21:12:23 GMT 2014 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Fri Dec 26 23:39:13 GMT 2014

Kcor realtime image brightness seems to be chaning from fram to frame. I am notsly noticing out of the corner of my eye. The guiding, seeing and skies seem ok so I am not sure what is causing this. I am not seeing a trend toward higher or lower values just a bit of "flashing" in brighter/darker images.

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

GENERAL OBSERVATORY COMMENT BY berkey: Fri Dec 26 23:54:44 GMT 2014  
We are starting to hit our wind limit.

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

Sat Dec 27 00:01:01 GMT 2014 COMP End Patrol  
Sat Dec 27 00:01:01 GMT 2014 COMP Start Patrol  
Sat Dec 27 00:02:13 GMT 2014 KCOR End Patrol  
Sat Dec 27 00:02:13 GMT 2014 COMP End Patrol  
Sat Dec 27 00:07:34 GMT 2014 COMP Start Patrol  
Sat Dec 27 00:07:42 GMT 2014 KCOR Start Synoptic Patrol  
GENERAL OBSERVATORY COMMENT BY berkey: Sat Dec 27 01:34:06 GMT 2014  
move the lower shutter back up.

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

Sat Dec 27 02:00:10 GMT 2014 KCOR End Patrol  
Sat Dec 27 02:00:31 GMT 2014 COMP End Patrol  
Sat Dec 27 02:00:45 GMT 2014: PSPT Abort Patrol  
Sat Dec 27 02:00:50 GMT 2014: PSPT Abort Patrol  
GENERAL OBSERVATORY COMMENT BY berkey: Sat Dec 27 02:13:34 GMT 2014  
still windy but most of the data sermed ok. Funny the holiday and weather brought dozens of visitors to the mountain but not to tue observatory

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