```
-------------------------------------------------------------------------------
          Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
        Mon Oct 26 17:13:16 GMT 2015
Year: 15  Doy: 299
Observer: berkey
WEATHER COMMENT: berkey: Mon Oct 26 17:39:56 GMT 2015
Clear skies, wind calm, temp 51F.
___end___
KCOR COMMENT BY berkey: Mon Oct 26 17:40:24 GMT 2015
Changed Kcor occulter to small winter occulter.  991.6"
___end___
KCOR COMMENT BY berkey: Mon Oct 26 17:59:29 GMT 2015
Woops 991.6 is the summer occculter.  The winter occulter is the BIG one.

Removed the summer and installed the winter occutler 1018.9
___end___
Mon Oct 26 18:13:53 GMT 2015 KCOR Start Synoptic Patrol
Mon Oct 26 19:54:14 GMT 2015 KCOR End Patrol
Mon Oct 26 19:54:15 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini
Mon Oct 26 20:08:29 GMT 2015 Kcor sees an SGS Guiding Error closing lens cover
Mon Oct 26 20:08:44 GMT 2015 Kcor sees an SGS Guiding Error closing lens cover
Mon Oct 26 20:11:19 GMT 2015 KCOR End Calibration Script
Mon Oct 26 20:11:36 GMT 2015 KCOR Start Synoptic Patrol
Mon Oct 26 20:11:37 GMT 2015 KCOR Start Synoptic Patrol
Mon Oct 26 20:11:37 GMT 2015 KCOR Start Synoptic Patrol
Mon Oct 26 20:11:37 GMT 2015 KCOR Start Synoptic Patrol
KCOR COMMENT BY berkey: Mon Oct 26 20:12:47 GMT 2015
Dome occulted SGS, such that we lost guiding and the O1 cover went in the beam, during the last couple minutes of the cali
brations.  This may have ruined the 180 polarization state, but I think it went in during the darks so maybe we got lucky.
___end___
****Possible CME in Progress berkey******: Mon Oct 26 21:06:21 GMT 2015
There appears to be a slow CME launching at PA80 at around 19:30UT.  There is no apparent source in the H-alpha on the fac
e of the sun.
___end___

   You can check out the image data at:
        http://mlso.hao.ucar.edu
Mon Oct 26 22:11:52 GMT 2015 Kcor sees an SGS Guiding Error closing lens cover
Mon Oct 26 22:11:54 GMT 2015 KCOR End Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Mon Oct 26 23:01:11 GMT 2015
Passing clouds.
___end___
GENERAL COMMENT BY berkey: Tue Oct 27 00:34:50 GMT 2015
Rebuilt the upstairs external door handle, with the innards from the internal door.  This morning I kind of had to kick th
e upstairs door open.   After playing with the bad knob it looks like the dead-latch has some internal binding.   Current
ly internal door has no handle.
```

With all the moisture this year our external doors have gotten really beat up. I am really looking forward to the new met
al doors that should get installed in about a month.
___end___
Tue Oct 27 00:45:25 GMT 2015 KCOR Start Synoptic Patrol
Tue Oct 27 02:22:28 GMT 2015 KCOR End Patrol
Tue Oct 27 02:27:02 GMT 2015 KCOR Start Synoptic Patrol
Tue Oct 27 02:54:54 GMT 2015 KCOR End Patrol
GENERAL COMMENT BY berkey: Tue Oct 27 03:06:16 GMT 2015
Looks like the KVM issues we were having Friday/this weekend were related to the dieing of the ibm keyboard with built in
usb hub.   Yesterday Lisa was able to get things running with a spare keyboard and a mouse plugged directly into the kvm;
this was annoying as the mouse had to sit in the network rack. This morning I found usb extenders and now the keyboard an
d mouse sit on the observer desk in a much more comfortable way.

Ulua and iwii were brought back online this morning :)

ADR sensors have not been reinstalled so dome was moved manually over the course of the day.

No visit from the contractors today however RLB did stop by to inspect progress.

Kcor computer had no hiccups today. I am not sure why the system was not booting on Friday; but I am certain the issue wa
sn't related to the computer being too cold. The control room was rather warm by the time we started trying to bring the
instrument online.
___end___
KCOR COMMENT BY berkey: Tue Oct 27 03:09:48 GMT 2015
Blew off the Kcor O1 and field lens to try and remove the bullet hole pattern on the east limb.

I was able to remove a lot of small bits from the field lens but nothing that seemed big enough to make the bullet hole.
The o1 had one piece of lint that could have been the culprit however it seemed like it wasn't quite in the right location
 to cause the hole.

Hopefully this helps the image quality.

___end___