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Mauna Loa Solar Observatory Observer's Log  
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Wed Jul 8 16:03:29 GMT 2015

Year: 15 Doy: 189

Observer: berkey

WEATHER COMMENT: berkey: Wed Jul 08 16:06:21 GMT 2015

Temp: 41.6f, Humidity: 77%, Pressure: 28.71in, Wind: 8mph from sw, Skies: clear. Inversion layer is capping moisture below about 8,000ft. Roads/surfaces are icy so it must have been cloudy up here last night.

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

Wed Jul 08 16:51:52 GMT 2015 COMP Start Patrol

Wed Jul 08 17:04:52 GMT 2015 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Wed Jul 08 18:24:26 GMT 2015

Looks like things were a little hazy when we started kcor observations this morning. Gif movie shows starts with a washed out image, but as conditions improve the actually coronal signal appears to explode out pushing the washed out haze/halo with.

At least one kcor artifact on the West limb of the sun about 1/3 solar radii out. Likely some debris on the field lens. The lens was blown off Monday during the alignment check but we must have missed the offending particle(s)

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

Wed Jul 08 20:00:43 GMT 2015 KCOR End Patrol

Wed Jul 08 20:01:03 GMT 2015 CoMP Paused for clouds

KCOR COMMENT BY berkey: Wed Jul 08 20:34:30 GMT 2015

Inspected O1 and field lens. Found some particles but nothing solid that seems like it could have caused the West limb artifact. I am also not sure I see it in the reflected (uncombined) gif image perhaps this is a particle on the camera sensor.

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

Wed Jul 08 20:38:42 GMT 2015 CoMP Restarted from pause

Wed Jul 08 20:38:42 GMT 2015 COMP End Patrol

KCOR COMMENT BY berkey: Wed Jul 08 21:59:12 GMT 2015

To test some flexure we are seeing between the cameras and the occulter during motion across the ra/dec range we are trying a base-plate test.

Diffuser in the beam along with the lamp.

Taking baseline fts data the the spar locked in the vertical condition. 21:49:49->21:51:06

The bottom of the kcor optics box was pushed with 25 # of force on the west face 21:51:22->21:52:07

The bottom of the kcor optics box was pushed with 25 # of force on the north face 21:53:53->21:54:24

The bottom of the kcor optics box was pushed with 25 # of force on the east face 21:55:55->21:56:25

The bottom of the kcor optics box was pushed with 25 # of force on the south face 21:57:41->21:58:11

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

KCOR COMMENT BY berkey: Wed Jul 08 22:12:42 GMT 2015

Tried to blow off the front of the transmitted beam.

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

KCOR COMMENT BY berkey: Wed Jul 08 22:15:11 GMT 2015

Distortion grid in the beam.

Data at:

22:12:48->22:14:06

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

GENERAL COMMENT BY berkey: Wed Jul 08 22:24:23 GMT 2015

Blowin fog

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

GENERAL COMMENT BY berkey: Thu Jul 09 01:02:38 GMT 2015

xtra dark fog now.

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

GENERAL COMMENT BY berkey: Thu Jul 09 02:03:51 GMT 2015

Packing up and heading out and flying away. See you in a few weeks small log script and observatory.

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