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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 23 16:54:23 GMT 2015

Year: 15 Doy: 327

Observer: berkey

WEATHER COMMENT: berkey: Mon Nov 23 16:54:41 GMT 2015

Temp: 42.6f, Humidity: 68%, Pressure: 28.584in, Wind: 8mph from SW, Skies: patchy cirrus overcast

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

GENERAL COMMENT BY berkey: Mon Nov 23 18:10:53 GMT 2015

RA guider osicllations are rather bad this morning. ~300arceconds making kcor alignment extra hard.

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

GENERAL COMMENT BY berkey: Mon Nov 23 18:17:24 GMT 2015

Looks like it is partically a balance issue. I initially added some weight (our long crowbar) to the back of the spar which seemed to make things worse. Then moving the weight to the front of the spar the osicllation was cleared up. I will look at mounting a couple pounds of lead to the front of the spar at some point this afternoon hopefully this will squash this bug for good.

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

GENERAL COMMENT BY berkey: Mon Nov 23 18:23:59 GMT 2015

Dome painting crew is on site and starting the sanding for paint prep.

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

GENERAL COMMENT BY berkey: Mon Nov 23 18:28:19 GMT 2015

Skies are clear enough to get science :)

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

KCOR COMMENT BY berkey: Mon Nov 23 19:23:51 GMT 2015

Looks like there is a large peice of forigen material on the O1 or field lens. Blob is showing up a bullet holes on the north side of the image. (This means we should expect the junk on the south side of the lenses).

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

GENERAL COMMENT BY berkey: Mon Nov 23 19:27:18 GMT 2015

Looks like we aren't seeing the Kcor start/stop science/calibration commentss in the log.

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

KCOR COMMENT BY berkey: Mon Nov 23 19:28:10 GMT 2015

Currently taking calibration data. Just took second polarization postiion now on to position 45

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

GENERAL OBSERVATORY COMMENT BY berkey: Mon Nov 23 19:36:44 GMT 2015

log test

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

Mon Nov 23 19:43:46 GMT 2015 KCOR End Patrol

Mon Nov 23 19:43:48 GMT 2015 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Mon Nov 23 19:46:35 GMT 2015

Fixed the start/stop science mode logging for kcor.

Looks like we are still using ssh to do log rights from kcor and I tempoarlly broke the mlso ssh key. It has been restored and logs are writing again.

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

Mon Nov 23 20:39:42 GMT 2015 KCOR End Patrol

KCOR COMMENT BY berkey: Mon Nov 23 20:56:10 GMT 2015

When up stairs to clean find the source of the data artifact and found multiple peices of dust lint on the o1. These were

blowing off. But we should thinking about washing the O1 relatively soon.

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

Mon Nov 23 21:05:44 GMT 2015 KCOR Start Synoptic Patrol

Mon Nov 23 21:09:26 GMT 2015 KCOR End Patrol

Mon Nov 23 21:10:13 GMT 2015 KCOR Start Synoptic Patrol

Mon Nov 23 21:10:18 GMT 2015 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Nov 23 21:54:43 GMT 2015

Dome is now closed.

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

GENERAL COMMENT BY berkey: Tue Nov 24 00:15:27 GMT 2015

Painters left for today. They got a couple coats of the primer like paint. They hope to come up tomorrow and finishing with the final product.

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

Log Type BY visitor: Tue Nov 24 00:23:33 GMT 2015

more tests

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

Tue Nov 24 01:35:50 GMT 2015 KCOR Start Synoptic Patrol

Tue Nov 24 01:36:29 GMT 2015 KCOR End Patrol

GENERAL COMMENT BY berkey: Tue Nov 24 01:47:13 GMT 2015

Conditions have been very marginal this afternoon. It kept looklikg like things would clear but by time kcor was turned back on the sky completely changes. Fog and cirrus everywhere replace crisp blue skies covering 1/4 of the sky. done for now

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