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Mauna Loa Solar Observatory Observer's Log  
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Tue Apr 12 16:59:55 GMT 2011

Year: 11 Doy: 102

Observer: koon

WEATHER COMMENT: Tue Apr 12 16:59:58 GMT 2011

Clear sky, wind=9mph from the SE, temp=45F.

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

NOTE BY DARRYL: Tue Apr 12 17:15:46 GMT 2011

Added more temporary weight to spar handle to balance spar while CoMP Lyot filter is not in place.

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

Tue Apr 12 17:17:01 GMT 2011 MKIV Start Patrol

Tue Apr 12 17:17:47 GMT 2011 H-ALPHA Start Patrol

Tue Apr 12 17:21:56 GMT 2011 CHIP Start Patrol

Tue Apr 12 17:28:21 GMT 2011: PSPT Start Patrol

Tue Apr 12 18:01:54 GMT 2011 CHIP LSD

Tue Apr 12 18:03:32 GMT 2011 CHIP End LSD

Tue Apr 12 18:03:40 GMT 2011 CHIP BiasLSD

Tue Apr 12 18:04:15 GMT 2011 CHIP End BiasLSD

Tue Apr 12 18:04:29 GMT 2011 CHIP Bias

Tue Apr 12 18:05:01 GMT 2011 CHIP End Bias

Tue Apr 12 18:05:09 GMT 2011 CHIP ReStart Patrol

Tue Apr 12 18:22:09 GMT 2011 MKIV End Patrol

Tue Apr 12 18:41:46 GMT 2011 MKIV End Cal

Tue Apr 12 18:41:51 GMT 2011 MKIV Start Patrol

Tue Apr 12 20:57:26 GMT 2011 CHIP End Patrol

Tue Apr 12 20:58:13 GMT 2011 MKIV End Patrol

CHIP COMMENT BY DARRYL: Tue Apr 12 20:57:36 GMT 2011

Pausing to work on image artifact problem. Will be off-pointing the spar often

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

MKIV COMMENT BY DARRYL: Tue Apr 12 20:58:30 GMT 2011

Pausing while working on CHIP artifact problem, due to frequent spar pointing changes during the work.

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

H-ALPHA COMMENT BY DARRYL: Tue Apr 12 20:59:59 GMT 2011

Pausing while working on CHIP.

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

Tue Apr 12 21:02:35 GMT 2011 H-ALPHA End Patrol

Tue Apr 12 22:36:07 GMT 2011: PSPT Start Patrol

Wed Apr 13 01:34:30 GMT 2011 CHIP Start Patrol

\*\*CHIP PROBLEM COMMENT BY DARRYL\*\*: Wed Apr 13 01:38:10 GMT 2011

It looks like I fixed the artifact problem. There was oil on the exit window of the Lyot filter and on the back face, I removed the Lyot filter and cleaned both windows and re-installed, am running Patrol now and I don't see any artifacts, it is partly cloudy so I'm not absolutely sure, also the filter is still coming up to operating temperature so the images are still off-band.

I centered the Lyot filter in its mount and improved some insulation fitting and I added tape at the front of the instrument where stray light could get it around the pre-filter mount. I blocked space travel with orange stairs and turned off MCC before disconnecting and removing the Lyot filter. That's the main pertinent information. I'm not sure if the Lyot filter will leak more oil, let's try it and see if anything changes over time.

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

Wed Apr 13 01:58:57 GMT 2011: PSPT Abort Patrol

NOTE BY DARRYL: Wed Apr 13 02:22:04 GMT 2011

Adjusted the dome slot.

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

Wed Apr 13 02:43:45 GMT 2011       CHIP       End Patrol

Wed Apr 13 03:00:53 GMT 2011

MkIV

17_17.rawmk4	18_01.rawmk4	19_00.rawmk4	19_44.rawmk4	20_28.rawmk4
17_20.rawmk4	18_04.rawmk4	19_03.rawmk4	19_47.rawmk4	20_31.rawmk4
17_23.rawmk4	18_07.rawmk4	19_06.rawmk4	19_50.rawmk4	20_34.rawmk4
17_25.rawmk4	18_10.rawmk4	19_09.rawmk4	19_53.rawmk4	20_37.rawmk4
17_28.rawmk4	18_12.rawmk4	19_12.rawmk4	19_56.rawmk4	20_40.rawmk4
17_31.rawmk4	18_15.rawmk4	19_15.rawmk4	19_59.rawmk4	20_43.rawmk4
17_34.rawmk4	18_18.rawmk4	19_17.rawmk4	20_02.rawmk4	20_46.rawmk4
17_37.rawmk4	18_26.rawmk4	19_20.rawmk4	20_04.rawmk4	20_49.rawmk4
17_40.rawmk4	18_32.rawmk4	19_23.rawmk4	20_07.rawmk4	20_52.rawmk4
17_43.rawmk4	18_38.rawmk4	19_26.rawmk4	20_10.rawmk4	20_55.rawmk4
17_46.rawmk4	18_41.rawmk4	19_29.rawmk4	20_13.rawmk4	c18_22.rawmk4
17_49.rawmk4	18_44.rawmk4	19_32.rawmk4	20_16.rawmk4	c18_29.rawmk4
17_52.rawmk4	18_47.rawmk4	19_35.rawmk4	20_19.rawmk4	c18_35.rawmk4
17_55.rawmk4	18_50.rawmk4	19_38.rawmk4	20_22.rawmk4	
17_58.rawmk4	18_56.rawmk4	19_41.rawmk4	20_25.rawmk4	