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Mauna Loa Solar Observatory Observer's Log  
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Wed Dec 10 17:00:47 GMT 2003

Year: 03 Doy: 344

Observer: yasukawa

WEATHER COMMENT: Wed Dec 10 17:01:06 GMT 2003

Cold, 38-degrees, altocumulus overcast, broken, thick cirrostratus all around, brisk south wind.

WEATHER COMMENT: Wed Dec 10 17:11:39 GMT 2003

Unable to acquire sun to guide on at this time.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Dec 10 17:20:28 GMT 2003

ECHO COMMENT: Wed Dec 10 17:23:01 GMT 2003

Time OK.

Wed Dec 10 17:35:41 GMT 2003 CHIP Start Patrol

WEATHER COMMENT: Wed Dec 10 17:35:38 GMT 2003

Guider finally able to acquire sun to guide on.

PSPT COMMENT: Wed Dec 10 17:41:01 GMT 2003

Startup attempt.

Wed Dec 10 17:48:02 GMT 2003 PICS Start Patrol

\*\*PICS PROBLEM\*\*: Wed Dec 10 17:48:16 GMT 2003

PICS init stalled. Canceled WaitOpti and Patrol resumed.

Wed Dec 10 18:02:43 GMT 2003 PICS Flat

Wed Dec 10 18:03:00 GMT 2003 CHIP LSD

Wed Dec 10 18:04:47 GMT 2003 CHIP End LSD

Wed Dec 10 18:04:54 GMT 2003 CHIP BiasLSD

Wed Dec 10 18:05:06 GMT 2003 PICS End Flat

Wed Dec 10 18:05:48 GMT 2003 CHIP End BiasLSD

Wed Dec 10 18:05:54 GMT 2003 CHIP Bias

Wed Dec 10 18:06:44 GMT 2003 CHIP End Bias

Wed Dec 10 18:40:52 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Wed Dec 10 18:40:59 GMT 2003

Sun climbing into a more broken area of altocumulus clouds.

PSPT COMMENT: Wed Dec 10 18:41:46 GMT 2003

Starting observations.

MKIV COMMENT: Wed Dec 10 18:52:44 GMT 2003

Centered O1 when clear hole coincided with barrel turnaround pause.

WEATHER COMMENT: Wed Dec 10 19:03:43 GMT 2003

Thick, extensive cirrostratus moved over. Idling PSPT and MK4.

Wed Dec 10 19:04:37 GMT 2003 MKIV End Patrol

Wed Dec 10 19:07:43 GMT 2003 CHIP End Patrol

Wed Dec 10 19:07:46 GMT 2003 PICS End Patrol

WEATHER COMMENT: Wed Dec 10 19:08:00 GMT 2003

Mist blowing downslope. Closed domes as fast as I could.

Need to wipe off O1s.

\*\*MLSO PROBLEM\*\*: Wed Dec 10 19:19:49 GMT 2003

O1s got an unscheduled lens cleaning using non-standard methods.

Cleaned Mk4 and PICS O1s in situ using ethyl alcohol and optical wipe

cloths, then blew off dust and lint. CHIP pre-filter was OK, mist did not reach it way back in the O1 housing. PSPT prefilter caught a lot of water. Had to towel off with paper towels before cleaning and wiping with optical cloth.

WEATHER COMMENT: Wed Dec 10 22:46:55 GMT 2003

High clouds have cleared overhead but mist is still blowing off cap cloud bank.

WEATHER COMMENT: Wed Dec 10 23:56:25 GMT 2003

Light mist still blowing off cloud bank occasionally, but dome slots are facing away from wind and might protect Ols.

Starting up again, cautiously.

WEATHER COMMENT: Thu Dec 11 00:00:33 GMT 2003

Still in broken cirrus patches.

MKIV COMMENT: Thu Dec 11 00:23:03 GMT 2003

Centering O1 thru some fairly even, bright sky.

Thu Dec 11 00:23:31 GMT 2003 MKIV Start Patrol

Thu Dec 11 00:35:34 GMT 2003 MKIV End Patrol

Thu Dec 11 00:35:44 GMT 2003 MKIV Start Cal

\*\*MKIV PROBLEM\*\*: Thu Dec 11 00:36:56 GMT 2003

Calibration image looks very strange. Spar in a very awkward position to allow inspection of opal, O1, and other optical elements. Opal may not have gone all the way in for the first calibration scan.

WEATHER COMMENT: Thu Dec 11 00:51:57 GMT 2003

In cirrus.

MKIV COMMENT: Thu Dec 11 01:09:25 GMT 2003

Centered O1.

\*\*PSPT PROBLEM\*\*: Thu Dec 11 01:36:56 GMT 2003

Crashed at 0109 UT making jpg images. Killed/restarted.

MKIV COMMENT: Thu Dec 11 01:59:08 GMT 2003

Still cannot safely look at the O1 after cleaning. Because the dome was closed during cleaning, it is uncertain whether there are any smudges, streaks of residual dust on the lens.

Thu Dec 11 02:15:00 GMT 2003 CHIP End Patrol

Thu Dec 11 02:15:03 GMT 2003 PICS End Patrol

COMMENT: Thu Dec 11 02:16:38 GMT 2003

Shutting down a bit early to spend some time inspecting MK4 O1.

Thu Dec 11 02:17:20 GMT 2003 MKIV End Patrol

MKIV COMMENT: Thu Dec 11 02:31:18 GMT 2003

Wiped off a smudge from the south edge of the O1 with dry optical wipes and dusted off residual lint from the wiping. Further cleaning while spar is in optimal position for MK4 O1 accessibility and illumination may be necessary tomorrow.

Thu Dec 11 02:34:11 GMT 2003

MkIV

00_23.rawmk4	01_03.rawmk4	01_32.rawmk4	02_02.rawmk4	18_55.rawmk4
00_26.rawmk4	01_06.rawmk4	01_35.rawmk4	02_05.rawmk4	18_58.rawmk4
00_29.rawmk4	01_09.rawmk4	01_38.rawmk4	02_08.rawmk4	19_01.rawmk4

00_32.rawmk4	01_12.rawmk4	01_41.rawmk4	02_11.rawmk4	c00_35.rawmk4
00_38.rawmk4	01_15.rawmk4	01_44.rawmk4	02_14.rawmk4	c00_41.rawmk4
00_44.rawmk4	01_18.rawmk4	01_47.rawmk4	18_40.rawmk4	c00_47.rawmk4
00_51.rawmk4	01_21.rawmk4	01_50.rawmk4	18_43.rawmk4	
00_54.rawmk4	01_24.rawmk4	01_53.rawmk4	18_46.rawmk4	
00_57.rawmk4	01_27.rawmk4	01_56.rawmk4	18_49.rawmk4	
01_00.rawmk4	01_29.rawmk4	01_59.rawmk4	18_52.rawmk4	