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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 3 16:55:21 GMT 2003  
Year: 03 Doy: 307  
Observer: stueben  
WEATHER COMMENT: Mon Nov 3 16:56:33 GMT 2003  
Clear, cool, light southeast wind.  
Mon Nov 3 16:58:56 GMT 2003 CHIP Start Patrol  
Mon Nov 3 16:59:18 GMT 2003 PICS Start Patrol  
ECHO COMMENT: Mon Nov 3 16:59:22 GMT 2003  
ECHO time OK.  
PSPT COMMENT: Mon Nov 3 17:00:19 GMT 2003  
Starting up.  
Mon Nov 3 17:02:43 GMT 2003 CHIP End Patrol  
\*\*PICS PROBLEM\*\*: Mon Nov 3 17:02:55 GMT 2003  
Stopping PICS and CHIP, MCC needs a reboot, MCC monitor not communicating  
with CPU.  
Mon Nov 3 17:03:48 GMT 2003 PICS End Patrol  
Mon Nov 3 17:05:15 GMT 2003 CHIP Start Patrol  
Mon Nov 3 17:05:19 GMT 2003 PICS Start Patrol  
PSPT COMMENT: Mon Nov 3 17:07:57 GMT 2003  
Observing.  
MKIV COMMENT: Mon Nov 3 17:16:10 GMT 2003  
Mk4 is clearing dome cylinder, centering O1.  
Mon Nov 3 17:17:27 GMT 2003 MKIV Start Patrol  
Mon Nov 3 18:01:41 GMT 2003 PICS Flat  
Mon Nov 3 18:04:13 GMT 2003 PICS End Flat  
Mon Nov 3 18:16:41 GMT 2003 MKIV End Patrol  
\*\*\*\* EVENT COMMENT \*\*\*\*: Mon Nov 3 18:34:42 GMT 2003  
Limb very active between PA 255-282.  
Mon Nov 3 18:36:28 GMT 2003 MKIV End Cal  
Mon Nov 3 18:36:39 GMT 2003 MKIV Start Patrol  
MKIV COMMENT: Mon Nov 3 18:42:37 GMT 2003  
Centered O1.  
\*\*CHIP PROBLEM\*\*: Mon Nov 3 20:08:07 GMT 2003  
Bunny alerted us that CHIP was not shipping data to kaiee and over to  
Boulder. A check of hoike revealed that CHIP had crashed after the  
Restart after rebooting the MCC this morning. Canceled WaitOptics  
got CHIP going again.  
\*\*CHIP PROBLEM\*\*: Mon Nov 3 20:10:45 GMT 2003  
Program stalled at Exposures. Killing and restarting Patrol.  
Mon Nov 3 20:15:03 GMT 2003 CHIP Start Patrol  
COMMENT: Mon Nov 3 20:57:53 GMT 2003  
Dec axis reset. Repointed spar and reset dec.  
MKIV COMMENT: Mon Nov 3 21:24:11 GMT 2003  
Centered O1 guider.  
MKIV COMMENT: Mon Nov 3 22:25:55 GMT 2003

Centered O1.

\*\*PSPT PROBLEM\*\* : Mon Nov 3 22:35:32 GMT 2003

Stopping PSPT to investigate errant reflections.

\*\*PSPT PROBLEM\*\* : Tue Nov 4 00:54:49 GMT 2003

Did not find any obvious broken optics. There were some strange reflections inside the main optics box but they appeared to be due to reflections off the rear of the mirrored shutter leaves bouncing off the surface of the partially reflecting lens that steers the beam up to the CCD and down to the guider lens. That lens' holder feels tight in its mount. I did find a couple of remnants of black RTV down on the focusing lens or the collimator, whichever is toward the CCD. I had to remove the cover plate to the optics box housing the filters (many screws!) and remove the filters to see down inside the lens tube with a mirror. Tried reaching down there with various makeshift probes and tools to snag the RTV pieces (~ 1/8-inch square) but could not reach the debris. Working with a mirror and an oblique flashlight beam and tight quarters made the task even more difficult. Using the chimpanzee's sticky twig method of gathering termites did not work. Risking my knuckles, I stuck my finger down in the tube and felt the lens surface (was wearing a optical wipe condom) and eventually felt the RTV pieces. Swapping the optical wiper for a piece of tape with sticky side out and with the deft of a proctologist, I probed the optics tube until the debris stuck to the tape. Put the optical wipe back on my finger and cleaned the lens' front surface. When the lens looked clean enough, I reassembled the PSPT and we restarted observations.

WEATHER COMMENT: Tue Nov 4 01:38:10 GMT 2003

In very thin cirrostratus.

Tue Nov 4 02:27:47 GMT 2003 PICS End Patrol

Tue Nov 4 02:30:50 GMT 2003 CHIP End Patrol

Tue Nov 4 02:35:33 GMT 2003

MkIV

00_00.rawmk4	01_52.rawmk4	18_39.rawmk4	20_31.rawmk4	22_22.rawmk4
00_03.rawmk4	01_55.rawmk4	18_42.rawmk4	20_34.rawmk4	22_25.rawmk4
00_06.rawmk4	01_58.rawmk4	18_45.rawmk4	20_37.rawmk4	22_28.rawmk4
00_09.rawmk4	02_01.rawmk4	18_48.rawmk4	20_40.rawmk4	22_31.rawmk4
00_12.rawmk4	02_04.rawmk4	18_51.rawmk4	20_43.rawmk4	22_34.rawmk4
00_15.rawmk4	02_07.rawmk4	18_54.rawmk4	20_45.rawmk4	22_37.rawmk4
00_18.rawmk4	02_10.rawmk4	18_57.rawmk4	20_48.rawmk4	22_40.rawmk4
00_21.rawmk4	02_12.rawmk4	19_00.rawmk4	20_51.rawmk4	22_43.rawmk4
00_24.rawmk4	02_15.rawmk4	19_03.rawmk4	20_54.rawmk4	22_46.rawmk4
00_27.rawmk4	02_18.rawmk4	19_06.rawmk4	20_57.rawmk4	22_49.rawmk4
00_30.rawmk4	02_21.rawmk4	19_08.rawmk4	21_00.rawmk4	22_52.rawmk4
00_33.rawmk4	02_24.rawmk4	19_11.rawmk4	21_03.rawmk4	22_55.rawmk4
00_36.rawmk4	02_27.rawmk4	19_14.rawmk4	21_06.rawmk4	22_58.rawmk4
00_39.rawmk4	02_30.rawmk4	19_17.rawmk4	21_09.rawmk4	23_01.rawmk4
00_41.rawmk4	17_17.rawmk4	19_20.rawmk4	21_12.rawmk4	23_03.rawmk4
00_44.rawmk4	17_20.rawmk4	19_23.rawmk4	21_15.rawmk4	23_06.rawmk4
00_47.rawmk4	17_23.rawmk4	19_26.rawmk4	21_18.rawmk4	23_09.rawmk4

00_50.rawmk4	17_26.rawmk4	19_29.rawmk4	21_21.rawmk4	23_12.rawmk4
00_53.rawmk4	17_29.rawmk4	19_32.rawmk4	21_24.rawmk4	23_15.rawmk4
00_56.rawmk4	17_32.rawmk4	19_35.rawmk4	21_27.rawmk4	23_18.rawmk4
00_59.rawmk4	17_35.rawmk4	19_38.rawmk4	21_29.rawmk4	23_21.rawmk4
01_02.rawmk4	17_38.rawmk4	19_41.rawmk4	21_32.rawmk4	23_24.rawmk4
01_05.rawmk4	17_41.rawmk4	19_44.rawmk4	21_35.rawmk4	23_27.rawmk4
01_08.rawmk4	17_44.rawmk4	19_47.rawmk4	21_38.rawmk4	23_30.rawmk4
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01_31.rawmk4	18_07.rawmk4	20_10.rawmk4	22_02.rawmk4	23_56.rawmk4
01_34.rawmk4	18_10.rawmk4	20_13.rawmk4	22_05.rawmk4	c18_16.rawmk4
01_37.rawmk4	18_13.rawmk4	20_16.rawmk4	22_08.rawmk4	c18_23.rawmk4
01_40.rawmk4	18_20.rawmk4	20_19.rawmk4	22_11.rawmk4	c18_30.rawmk4
01_43.rawmk4	18_26.rawmk4	20_22.rawmk4	22_14.rawmk4	
01_46.rawmk4	18_33.rawmk4	20_25.rawmk4	22_17.rawmk4	
01_49.rawmk4	18_36.rawmk4	20_28.rawmk4	22_19.rawmk4	