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Mauna Loa Solar Observatory Observer's Log  
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Tue Aug 24 16:42:28 GMT 2004

Year: 04 Doy: 237

Observer: koon

Tue Aug 24 16:47:42 GMT 2004 CHIP Start Patrol

Tue Aug 24 16:47:51 GMT 2004 PICS Start Patrol

WEATHER COMMENT: Tue Aug 24 16:42:30 GMT 2004

Clear sky, wind=5 mph from the SE, temp=42 F.

Tue Aug 24 16:48:21 GMT 2004 MKIV Start Patrol

ECHO COMMENT: Tue Aug 24 16:50:46 GMT 2004

Time OK.

Tue Aug 24 18:00:30 GMT 2004 PICS Flat

Tue Aug 24 18:02:49 GMT 2004 CHIP LSD

Tue Aug 24 18:02:57 GMT 2004 PICS End Flat

Tue Aug 24 18:03:11 GMT 2004 PICS ReStart Patrol

Tue Aug 24 18:04:45 GMT 2004 CHIP End LSD

Tue Aug 24 18:04:59 GMT 2004 CHIP BiasLSD

Tue Aug 24 18:05:57 GMT 2004 CHIP End BiasLSD

Tue Aug 24 18:06:06 GMT 2004 CHIP Bias

Tue Aug 24 18:07:00 GMT 2004 CHIP End Bias

Tue Aug 24 18:07:07 GMT 2004 CHIP ReStart Patrol

MKIV COMMENT: Tue Aug 24 18:14:46 GMT 2004

Centered occulting.

NICE CHIP IMAGE: 1813

Tue Aug 24 18:16:56 GMT 2004 MKIV End Patrol

Tue Aug 24 18:17:03 GMT 2004 MKIV Start Cal

NICE PICSDISC IMAGE: 1806

NICE PICSLIMB IMAGE: 1816

NICE MK4 IMAGE: 1807

Tue Aug 24 18:35:50 GMT 2004 MKIV End Cal

Tue Aug 24 18:36:47 GMT 2004 MKIV Start Patrol

\*\*ECHO PROBLEM\*\*: Tue Aug 24 20:47:28 GMT 2004

The lower image on the display is extremely faint, the upper image on that PC GUI display monitor looks good. MOF2 field is Red with a value of 145, the MOF1 field is green with a value of 143.

\*\*PSPT PROBLEM\*\*: Tue Aug 24 20:49:50 GMT 2004

The instrument isn't being operated while I try to fix a dome azimuth drive problem, more details are in the log from 2 days ago.

\*\*ECHO PROBLEM\*\*: Tue Aug 24 21:18:46 GMT 2004

I did a Partial Power Down sequence and brought the instrument and PC back up and restarted observations but the same faint lower image and Red MOF2 field still exist as displayed by the PC GUI monitor.

WEATHER COMMENT: Tue Aug 24 21:36:03 GMT 2004

Getting some low clouds.

MKIV COMMENT: Tue Aug 24 21:36:26 GMT 2004

Centered occulting.

Tue Aug 24 22:29:56 GMT 2004 CHIP End Patrol

Tue Aug 24 22:31:31 GMT 2004 PICS End Patrol

WEATHER COMMENT: Tue Aug 24 22:30:19 GMT 2004

Fairly cloudy, pausing instruments, closing dome due to possibility of fog.

\*\*PSPT PROBLEM\*\*: Wed Aug 25 01:55:15 GMT 2004

I was unsuccessful at reshaping the roller ring, I loosened all the top plate bolts and roller ring overlap connecting bolts and tried to pry it into a shape that is smaller in diameter from the ESE to the WSW where the dome touches and gets next closest to the roller ring. Next I reversed a 4 bolt mount at the ESE location to get that roller to push out on the dome more, I'll do another on Thursday. Then we're going to try using a dremel tool to slot the 4 bolt holes on each of 2 to 4 roller mounts on the WSW side, the slots will be continuations of the existing bolt hole going 3/16" toward the outer side of the mounts, that will let the mounts sit in toward the center of the dome more which should relieve some force pushing the dome outward at that WSW area - and that may relieve some force pulling inward at the ESE area where the dome currently makes contact with the roller ring seam cover.

While comparing the main bigger dome to the PSPT dome I can see where rain water may be directed down behind some loose aluminum exterior sheathing;

screwing in the sheathing all around the top of the main circular dome wall  
by reaching out through the dome slot could cure the rain leak problems.

Wed Aug 25 02:26:25 GMT 2004

MkIV

16_48.rawmk4	17_56.rawmk4	19_14.rawmk4	20_22.rawmk4	21_30.rawmk4
16_51.rawmk4	17_59.rawmk4	19_17.rawmk4	20_25.rawmk4	21_33.rawmk4
16_54.rawmk4	18_01.rawmk4	19_20.rawmk4	20_28.rawmk4	21_35.rawmk4
16_57.rawmk4	18_04.rawmk4	19_23.rawmk4	20_31.rawmk4	21_38.rawmk4
17_00.rawmk4	18_07.rawmk4	19_26.rawmk4	20_34.rawmk4	21_41.rawmk4
17_03.rawmk4	18_10.rawmk4	19_29.rawmk4	20_37.rawmk4	21_47.rawmk4
17_06.rawmk4	18_13.rawmk4	19_32.rawmk4	20_40.rawmk4	21_51.rawmk4
17_09.rawmk4	18_20.rawmk4	19_35.rawmk4	20_43.rawmk4	21_54.rawmk4
17_12.rawmk4	18_26.rawmk4	19_38.rawmk4	20_46.rawmk4	21_57.rawmk4
17_14.rawmk4	18_32.rawmk4	19_41.rawmk4	20_49.rawmk4	22_00.rawmk4
17_17.rawmk4	18_36.rawmk4	19_44.rawmk4	20_51.rawmk4	22_03.rawmk4
17_20.rawmk4	18_39.rawmk4	19_47.rawmk4	20_54.rawmk4	22_06.rawmk4
17_23.rawmk4	18_42.rawmk4	19_50.rawmk4	20_57.rawmk4	22_09.rawmk4
17_26.rawmk4	18_45.rawmk4	19_53.rawmk4	21_00.rawmk4	22_12.rawmk4
17_29.rawmk4	18_48.rawmk4	19_56.rawmk4	21_03.rawmk4	22_14.rawmk4
17_32.rawmk4	18_51.rawmk4	19_59.rawmk4	21_06.rawmk4	22_17.rawmk4
17_35.rawmk4	18_54.rawmk4	20_01.rawmk4	21_09.rawmk4	22_20.rawmk4
17_38.rawmk4	18_57.rawmk4	20_04.rawmk4	21_12.rawmk4	22_23.rawmk4
17_41.rawmk4	19_00.rawmk4	20_07.rawmk4	21_15.rawmk4	22_26.rawmk4
17_44.rawmk4	19_03.rawmk4	20_10.rawmk4	21_18.rawmk4	c18_17.rawmk4
17_47.rawmk4	19_06.rawmk4	20_13.rawmk4	21_21.rawmk4	c18_23.rawmk4
17_50.rawmk4	19_09.rawmk4	20_16.rawmk4	21_24.rawmk4	c18_29.rawmk4
17_53.rawmk4	19_12.rawmk4	20_19.rawmk4	21_27.rawmk4	