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Mauna Loa Solar Observatory Observer's Log  
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Sat Nov 13 17:01:47 GMT 1999

Year: 99 Doy: 317

Observer: koon

WEATHER COMMENT: Sat Nov 13 17:01:59 GMT 1999

Scattered cirrus clouds, wind=10 mph from the SE, temp=45 F.

13 17:06:53 GMT 1999 PICS Start Patrol

Sat Nov 13 17:06:53 GMT 1999 PICS Start Patrol

LOW-L COMMENT: Sat Nov 13 17:16:45 GMT 1999

L00642 in drive #1 has 72 files so I stopped observations and removed that tape and replaced it with L00644. Data going to L00643 in drive #0.

Sat Nov 13 17:41:29 GMT 1999 CHIP CHIP Start Patrol

**\*\*CHIP PROBLEM\*\***: Sat Nov 13 17:42:44 GMT 1999

The Sony GUI monitor wouldn't display properly, kept going into Power Saving Mode. I cycled the main CHIP/PICS power switch to clear the problem, that worked for the monitor but caused the programs to stall for CHIP and PICS. I did a Kill/Run cycle to get both instruments going again.

**\*\*PICS PROBLEM\*\***: Sat Nov 13 17:46:56 GMT 1999

Same problem as CHIP, see comment above.

Sat Nov 13 17:48:28 GMT 1999 PICS Start Patrol

Sat Nov 13 18:01:36 GMT 1999 PICS Flat

Sat Nov 13 18:03:07 GMT 1999 CHIP Bias

Sat Nov 13 18:04:09 GMT 1999 CHIP End Bias

Sat Nov 13 18:04:15 GMT 1999 PICS End Flat

Sat Nov 13 18:04:27 GMT 1999 CHIP Water

Sat Nov 13 18:05:17 GMT 1999 CHIP End Water

**\*\*PSPT PROBLEM\*\***: Sat Nov 13 18:53:40 GMT 1999

There is still a problem with the Uniblitz shutter. I removed it and tried the other "bad" shutter, and it indeed was bad too, although it sometimes opened. The backside shutter leaf is sticking after closing, I can feel the increased static friction. That is the leaf that is first in line if you are looking through the backside of the shutter and seeing the black side of the leaves. I tried working the leaf free from debris by opening and closing it with my finger while detached from the cable, that helped for a while but the sticking would start again. Tomorrow I'll bring up some dry silicone lube from home and lube those leaves. Can't get any data until at least one of those shutters will work again. There appears to be a bad shutter leaf stop design. If those aren't under warranty maybe I can dissect one and improve it.

Sat Nov 13 19:03:11 GMT 1999 CHIP Bias

Sat Nov 13 19:04:26 GMT 1999 CHIP End Bias

Sat Nov 13 19:04:43 GMT 1999 CHIP Water

Sat Nov 13 19:05:32 GMT 1999 CHIP End Water

Sat Nov 13 20:02:59 GMT 1999 CHIP Gain

Sat Nov 13 20:08:51 GMT 1999 CHIP End Gain

Sat Nov 13 20:09:07 GMT 1999 CHIP Bias  
Sat Nov 13 20:10:06 GMT 1999 CHIP End Bias  
Sat Nov 13 20:10:21 GMT 1999 CHIP Water  
Sat Nov 13 20:11:04 GMT 1999 CHIP End Water

\*\*MKIV PROBLEM\*\* Sat Nov 13 20:53:43 GMT 1999

The animated images don't show corona, there is an outer and inner thick bands of white and a central dark band. The realtime scans look very good.

Sat Nov 13 21:02:13 GMT 1999 MKIV Start Patrol

Sat Nov 13 21:03:00 GMT 1999 CHIP Bias

MKIV COMMENT: Sat Nov 13 21:03:19 GMT 1999

Stopped and reset the KCC, then continued with Patrol, in an attempt to improved the animated images.

Sat Nov 13 21:03:57 GMT 1999 CHIP End Bias

Sat Nov 13 21:04:08 GMT 1999 CHIP Water

Sat Nov 13 21:04:52 GMT 1999 CHIP End Water

Sat Nov 13 21:35:24 GMT 1999 PICS End Patrol

Sat Nov 13 21:35:40 GMT 1999 CHIP CHIP End Patrol

Sat Nov 13 21:45:55 GMT 1999 CHIP ending tape

\*\*MKIV PROBLEM\*\* Sat Nov 13 21:46:48 GMT 1999

The animation problem was cured by the KCC reboot.

COMMENT: Sat Nov 13 21:47:08 GMT 1999

TAPES:

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MKIV: 99317

CHIP: C00971

PICS: P01596

LOWL: L00642 in drive #1 and L00643 in drive #0

Sat Nov 13 21:49:17 GMT 1999

MkIV

17_06.rawmk4	18_00.rawmk4	19_03.rawmk4	19_56.rawmk4	20_49.rawmk4
17_09.rawmk4	18_03.rawmk4	19_06.rawmk4	19_59.rawmk4	20_52.rawmk4
17_12.rawmk4	18_06.rawmk4	19_09.rawmk4	20_02.rawmk4	20_55.rawmk4
17_15.rawmk4	18_09.rawmk4	19_12.rawmk4	20_05.rawmk4	21_02.rawmk4
17_18.rawmk4	18_11.rawmk4	19_15.rawmk4	20_08.rawmk4	21_05.rawmk4
17_21.rawmk4	18_14.rawmk4	19_17.rawmk4	20_11.rawmk4	21_08.rawmk4
17_24.rawmk4	18_17.rawmk4	19_20.rawmk4	20_14.rawmk4	21_11.rawmk4
17_27.rawmk4	18_20.rawmk4	19_23.rawmk4	20_17.rawmk4	21_14.rawmk4
17_30.rawmk4	18_23.rawmk4	19_26.rawmk4	20_20.rawmk4	21_17.rawmk4
17_33.rawmk4	18_26.rawmk4	19_29.rawmk4	20_23.rawmk4	21_20.rawmk4
17_36.rawmk4	18_29.rawmk4	19_32.rawmk4	20_26.rawmk4	21_23.rawmk4
17_39.rawmk4	18_32.rawmk4	19_35.rawmk4	20_29.rawmk4	21_26.rawmk4
17_42.rawmk4	18_35.rawmk4	19_38.rawmk4	20_32.rawmk4	21_29.rawmk4
17_45.rawmk4	18_38.rawmk4	19_41.rawmk4	20_35.rawmk4	21_31.rawmk4
17_48.rawmk4	18_41.rawmk4	19_44.rawmk4	20_38.rawmk4	21_34.rawmk4
17_51.rawmk4	18_44.rawmk4	19_47.rawmk4	20_40.rawmk4	c18_47.rawmk4

17\_54.rawmk4 18\_50.rawmk4 19\_50.rawmk4 20\_43.rawmk4 c18\_53.rawmk4  
17\_57.rawmk4 18\_56.rawmk4 19\_53.rawmk4 20\_46.rawmk4 c18\_59.rawmk4