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Mauna Loa Solar Observatory Observer's Log  
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Thu Jan 8 17:21:08 GMT 1998

Year: 98 Doy: 008

Observer: koon

WEATHER COMMENT: Thu Jan 8 17:21:12 GMT 1998

Thin cirrostratus, wind=15 mph from the SW, temp=36 F.

Thu Jan 8 17:22:04 GMT 1998 CHIP Startup--Initializing new tape

Thu Jan 8 17:28:11 GMT 1998 CHIP CHIP Start Patrol

Thu Jan 8 17:28:14 GMT 1998 PICS Start Patrol

MKIII COMMENT: Thu Jan 8 17:28:22 GMT 1998

Will wait for clouds to clear before starting this one.

PSPT COMMENT: Thu Jan 8 17:28:50 GMT 1998

Will wait for clouds to clear before starting this one.

PICS COMMENT: Thu Jan 8 17:36:57 GMT 1998

I rebooted Nene yesterday afternoon before I left, David suggested this if someone ran "dv" because that might have caused the intensity changes they are seeing. I didn't use "dv" when I was doing my troubleshooting, but maybe rebooting will help anyway. I remember that rebooting helped with displayed images in the past if the camera controller power was cycled.

Thu Jan 8 18:00:28 GMT 1998 PICS Flat

Thu Jan 8 18:02:02 GMT 1998 CHIP Bias

Thu Jan 8 18:02:02 GMT 1998 CHIP Bias

Thu Jan 8 18:03:03 GMT 1998 CHIP End Bias

Thu Jan 8 18:03:10 GMT 1998 CHIP Water

Thu Jan 8 18:03:52 GMT 1998 CHIP End Water

Thu Jan 8 18:46:10 GMT 1998 PICS End Patrol

PICS COMMENT: Thu Jan 8 18:46:51 GMT 1998

Stopped Patrol then restarted to load in a new version from David that will make the Display Gain function work like it used to.

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Thu Jan 8 19:02:09 GMT 1998 CHIP Bias

Thu Jan 8 19:03:19 GMT 1998 CHIP End Bias

Thu Jan 8 19:03:27 GMT 1998 CHIP Water

Thu Jan 8 19:04:07 GMT 1998 CHIP End Water

WEATHER COMMENT: Thu Jan 8 19:48:12 GMT 1998

Thin cirrostratus is still there.

Thu Jan 8 20:01:16 GMT 1998 PICS Flat

Thu Jan 8 20:02:02 GMT 1998 CHIP Gain

Thu Jan 8 20:02:41 GMT 1998 PICS End Flat

Thu Jan 8 20:07:45 GMT 1998 CHIP End Gain

Thu Jan 8 20:07:52 GMT 1998 CHIP Bias

Thu Jan 8 20:08:44 GMT 1998 CHIP End Bias

Thu Jan 8 20:08:51 GMT 1998 CHIP Water

Thu Jan 8 20:09:31 GMT 1998 CHIP End Water

MKIII COMMENT: Thu Jan 8 20:32:37 GMT 1998

I've tried moving the dark shutter in and out 6 times while going up and down

between the dome and the control room, so far there hasn't been any failures. This is being done to test for light leaks that may be causing the bad dark scans.

Thu Jan 8 21:01:04 GMT 1998 CHIP Bias  
Thu Jan 8 21:01:18 GMT 1998 PICS Flat  
Thu Jan 8 21:02:08 GMT 1998 CHIP End Bias  
Thu Jan 8 21:02:15 GMT 1998 CHIP Water  
Thu Jan 8 21:02:41 GMT 1998 PICS End Flat  
Thu Jan 8 21:03:02 GMT 1998 CHIP End Water

MKIII COMMENT: Thu Jan 8 21:08:36 GMT 1998

I tried moving the dark shutter in and out manually at the MKIII using the 12vdc power supply directly on the motor. It moves very smoothly without any signs of a problem. Maybe the voltage or current getting to the motor is bad sometimes when the computer drives it.

Thu Jan 8 22:01:04 GMT 1998 CHIP Bias  
Thu Jan 8 22:01:23 GMT 1998 PICS Flat  
Thu Jan 8 22:02:03 GMT 1998 CHIP End Bias  
Thu Jan 8 22:02:10 GMT 1998 CHIP Water  
Thu Jan 8 22:02:55 GMT 1998 PICS End Flat  
Thu Jan 8 22:02:58 GMT 1998 CHIP End Water

MKIII COMMENT: Thu Jan 8 22:11:27 GMT 1998

\*\*\*\*\*RECYCLING H01718\*\*\*\*\*

Thu Jan 8 22:29:07 GMT 1998 PICS End Patrol  
Thu Jan 8 22:30:33 GMT 1998 CHIP CHIP End Patrol

MKIII COMMENT: Thu Jan 8 22:39:04 GMT 1998

I couldn't figure out where the dark shutter problem was, it appears to work well manually. Donna's images show the light leak to be positioned around the North on the images which doesn't match where I had expected to see excess light appear if the shutter stopped short of fully closed. Will have to think about it more.

COMMENT: Thu Jan 8 22:54:30 GMT 1998

TAPES:

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CHIP: C00468

PICS: P01080

LOWL: L00491 in drive #0

Thu Jan 8 22:57:15 GMT 1998

MkIII