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Mauna Loa Solar Observatory Observer's Log  
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Sun Apr 21 17:21:27 GMT 2002

Year: 02 Doy: 111

Observer: koon

Sun Apr 21 17:33:59 GMT 2002 MKIV Start Patrol

Sun Apr 21 17:33:54 GMT 2002 PICS Start Patrol

WEATHER COMMENT: Sun Apr 21 17:21:29 GMT 2002

Thin cirrostratus overcast, wind=5 mph from the SSE, temp=46 F.

Sun Apr 21 17:38:36 GMT 2002 CHIP Start Patrol

MKIV COMMENT: Sun Apr 21 17:34:55 GMT 2002

Temperature near camera according to the thermal printer is about 37 C, that was the temperature when I closed down yesterday too, so the heater is regulating well. I just turn on the printer and read the display, not printing out anything. The printer sensor is about 0.75" away from the RTD used by the heater. The camera was turned off overnight for the first time in a long while, and I didn't put the external heating pad over the camera bay. I still need to put the insulation over the heater and RTD as requested.

\*\*GONG PROBLEM\*\* Sun Apr 21 17:44:50 GMT 2002

The Sparc terminal still won't come up all the way to allow us to monitor the Instrument. The instrument is working well, but apparently the network connection to the shelter is down - maybe NOAA removed it?

\*\*\*\* EVENT COMMENT \*\*\*\*: Sun Apr 21 17:48:50 GMT 2002

Nice EPL on West limb.

MKIV COMMENT: Sun Apr 21 18:02:05 GMT 2002

Since the clouds are ruining the scans I'll pause and install the insulation.

Sun Apr 21 18:03:47 GMT 2002 MKIV End Patrol

Sun Apr 21 18:04:13 GMT 2002 PICS Flat

Sun Apr 21 18:07:12 GMT 2002 PICS End Flat

PSPT COMMENT: Sun Apr 21 18:24:15 GMT 2002

Observing.

COMMENT: Sun Apr 21 18:45:08 GMT 2002

Extended the dome slot.

MKIV COMMENT: Sun Apr 21 18:45:20 GMT 2002

I finished insulating around the RTD and heater. Still seeing regulation around 37 C according to the printer readout, looks good.

Sun Apr 21 19:01:00 GMT 2002 CHIP LSD

Sun Apr 21 19:03:16 GMT 2002 CHIP End LSD

Sun Apr 21 19:03:26 GMT 2002 CHIP BiasLSD

Sun Apr 21 19:04:13 GMT 2002 CHIP End BiasLSD

Sun Apr 21 19:04:22 GMT 2002 CHIP Bias

Sun Apr 21 19:05:06 GMT 2002 CHIP End Bias

Sun Apr 21 19:05:17 GMT 2002 MKIV Start Patrol

Sun Apr 21 19:11:31 GMT 2002 MKIV End Patrol

Sun Apr 21 19:11:44 GMT 2002 MKIV Start Cal

Sun Apr 21 19:30:27 GMT 2002 MKIV End Cal

WEATHER COMMENT: Sun Apr 21 20:24:10 GMT 2002

Still have a thin cirrostratus overcast, it has been there all day, but now it is thinning to the point that I can see mk4 data.

MKIV COMMENT: Sun Apr 21 20:25:10 GMT 2002

Finally the clouds have thinned enough to see some data. I've been letting it run even in the clouds in hopes of seeing something good. I did a cal earlier but I'll try to do another now that the data are better.

Sun Apr 21 20:30:34 GMT 2002 MKIV End Patrol  
Sun Apr 21 20:30:48 GMT 2002 MKIV Start Cal  
Sun Apr 21 20:49:40 GMT 2002 MKIV End Cal  
Sun Apr 21 20:49:50 GMT 2002 MKIV Start Patrol  
Sun Apr 21 22:12:30 GMT 2002 MKIV End Patrol  
Sun Apr 21 22:42:59 GMT 2002 CHIP End Patrol  
Sun Apr 21 22:44:21 GMT 2002 PICS End Patrol

MKIV COMMENT: Sun Apr 21 22:51:50 GMT 2002

The printer sensor reads a regulated temperature around 38.3 C now due to the new heater on the camera mount.

Sun Apr 21 22:53:41 GMT 2002

MkIV

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| 17_34.rawmk4 | 19_30.rawmk4 | 20_15.rawmk4 | 21_10.rawmk4 | 21_54.rawmk4  |
| 17_37.rawmk4 | 19_34.rawmk4 | 20_18.rawmk4 | 21_13.rawmk4 | 21_57.rawmk4  |
| 17_39.rawmk4 | 19_37.rawmk4 | 20_21.rawmk4 | 21_16.rawmk4 | 22_00.rawmk4  |
| 17_42.rawmk4 | 19_40.rawmk4 | 20_24.rawmk4 | 21_19.rawmk4 | 22_03.rawmk4  |
| 17_45.rawmk4 | 19_43.rawmk4 | 20_27.rawmk4 | 21_22.rawmk4 | 22_06.rawmk4  |
| 17_48.rawmk4 | 19_46.rawmk4 | 20_33.rawmk4 | 21_25.rawmk4 | 22_09.rawmk4  |
| 17_51.rawmk4 | 19_49.rawmk4 | 20_39.rawmk4 | 21_28.rawmk4 | c19_11.rawmk4 |
| 17_54.rawmk4 | 19_52.rawmk4 | 20_46.rawmk4 | 21_31.rawmk4 | c19_17.rawmk4 |
| 17_57.rawmk4 | 19_55.rawmk4 | 20_49.rawmk4 | 21_33.rawmk4 | c19_23.rawmk4 |
| 18_00.rawmk4 | 19_57.rawmk4 | 20_52.rawmk4 | 21_36.rawmk4 | c20_30.rawmk4 |
| 19_05.rawmk4 | 20_00.rawmk4 | 20_55.rawmk4 | 21_39.rawmk4 | c20_36.rawmk4 |
| 19_08.rawmk4 | 20_03.rawmk4 | 20_58.rawmk4 | 21_42.rawmk4 | c20_43.rawmk4 |
| 19_14.rawmk4 | 20_06.rawmk4 | 21_01.rawmk4 | 21_45.rawmk4 |               |
| 19_20.rawmk4 | 20_09.rawmk4 | 21_04.rawmk4 | 21_48.rawmk4 |               |
| 19_27.rawmk4 | 20_12.rawmk4 | 21_07.rawmk4 | 21_51.rawmk4 |               |