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Mauna Loa Solar Observatory Observer's Log  
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Wed Sep 16 17:12:48 GMT 1998

Year: 98 Doy: 259

Observer: koon

WEATHER COMMENT: Wed Sep 16 17:12:56 GMT 1998

Clear sky, wind=5 mph from the SE, temp=50 F.

Wed Sep 16 17:14:09 GMT 1998 CHIP Startup--Initializing new tape

Wed Sep 16 17:22:17 GMT 1998 MKIII Start Patrol

Wed Sep 16 17:22:43 GMT 1998 PICS Start Patrol

Wed Sep 16 17:45:46 GMT 1998 MKIII End Patrol

Wed Sep 16 17:47:18 GMT 1998

MKIII COMMENT: Wed Sep 16 17:49:31 GMT 1998

When I started this morning I typed Run in the xterm window instead of the cmdtool window. This caused some problems, the animations display didn't work, the data scan files are named incorrectly. I exited and cycled the main power switch and restarted everything for the MKIII. That fixed the problems. I will delete the misnamed files, there are only 20 minutes worth.

Wed Sep 16 18:01:53 GMT 1998 CHIP Bias

Wed Sep 16 18:02:41 GMT 1998 PICS Flat

Wed Sep 16 18:02:55 GMT 1998 CHIP End Bias

Wed Sep 16 18:03:09 GMT 1998 CHIP Water

Wed Sep 16 18:03:50 GMT 1998 CHIP End Water

Wed Sep 16 18:04:12 GMT 1998 PICS End Flat

Wed Sep 16 19:02:00 GMT 1998 CHIP Bias

Wed Sep 16 19:02:39 GMT 1998 PICS Flat

Wed Sep 16 19:03:06 GMT 1998 CHIP End Bias

Wed Sep 16 19:03:16 GMT 1998 CHIP Water

Wed Sep 16 19:04:00 GMT 1998 CHIP End Water

Wed Sep 16 19:04:00 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\* Wed Sep 16 19:52:53 GMT 1998

Mirror is oscillating again, the sky is clear.

I exited the program while the mirror drive was off, so it can cool down.

Wed Sep 16 20:01:55 GMT 1998 CHIP Gain

Wed Sep 16 20:02:44 GMT 1998 PICS Flat

Wed Sep 16 20:04:12 GMT 1998 PICS End Flat

Wed Sep 16 20:06:33 GMT 1998 CHIP End Gain

Wed Sep 16 20:06:48 GMT 1998 CHIP Bias

Wed Sep 16 20:07:38 GMT 1998 CHIP End Bias

Wed Sep 16 20:07:48 GMT 1998 CHIP Water

Wed Sep 16 20:08:24 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\* Wed Sep 16 20:12:21 GMT 1998

There doesn't appear to be any fans in the electronics rack to cool the mirror drive board. I pulled it out and am letting it cool down before I observe.

\*\*PSPT PROBLEM\*\* Wed Sep 16 20:30:44 GMT 1998

I installed the driver board and used Run to start observing.

COMMENT: Wed Sep 16 20:39:04 GMT 1998

Extended the dome slot.

Wed Sep 16 21:02:41 GMT 1998 PICS Flat  
Wed Sep 16 21:02:49 GMT 1998 CHIP Bias  
Wed Sep 16 21:03:47 GMT 1998 CHIP End Bias  
Wed Sep 16 21:03:57 GMT 1998 CHIP Water  
Wed Sep 16 21:04:08 GMT 1998 PICS End Flat  
Wed Sep 16 21:04:43 GMT 1998 CHIP End Water

COMMENT: Wed Sep 16 21:19:52 GMT 1998

Lost guiding in declination, repointed.

Wed Sep 16 22:02:46 GMT 1998 PICS Flat  
Wed Sep 16 22:03:14 GMT 1998 CHIP Bias  
Wed Sep 16 22:04:16 GMT 1998 PICS End Flat  
Wed Sep 16 22:04:21 GMT 1998 CHIP End Bias  
Wed Sep 16 22:04:31 GMT 1998 CHIP Water  
Wed Sep 16 22:05:12 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\* Wed Sep 16 22:11:01 GMT 1998

I found the fans for the electronics rack, they are at the bottom of the rack, there are 3 of them and they blow air up through the electronics. They are

still functioning but how well they cool is dubious since the rack is only vented at the top with no cool air inlets down low. But the mirror drive module didn't get very hot so maybe it only gets hot after something causes the mirror oscillation to take place. Haosheng is sending out a spare mirror driver board for us to try. By the way, pull out a few of the bigger modules in the lowest section of the cabinet to be able to see the fans from the front of the cabinet.

Wed Sep 16 22:26:06 GMT 1998 CHIP ending tape

COMMENT: Wed Sep 16 22:40:03 GMT 1998

Tapes:

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PICS: P01295

CHIP: C00692

LOWL: L00543 in drive #1

Wed Sep 16 22:40:57 GMT 1998

MkIII

17_50.rawmk3	18_43.rawmk3	19_45.rawmk3	20_38.rawmk3	21_30.rawmk3
17_53.rawmk3	18_46.rawmk3	19_48.rawmk3	20_41.rawmk3	21_33.rawmk3
17_56.rawmk3	18_49.rawmk3	19_51.rawmk3	20_43.rawmk3	21_36.rawmk3
17_59.rawmk3	18_51.rawmk3	19_54.rawmk3	20_46.rawmk3	21_39.rawmk3
18_02.rawmk3	18_54.rawmk3	19_57.rawmk3	20_49.rawmk3	21_42.rawmk3
18_05.rawmk3	18_57.rawmk3	20_00.rawmk3	20_52.rawmk3	21_45.rawmk3
18_08.rawmk3	19_00.rawmk3	20_03.rawmk3	20_55.rawmk3	21_48.rawmk3
18_11.rawmk3	19_03.rawmk3	20_05.rawmk3	20_58.rawmk3	21_51.rawmk3
18_13.rawmk3	19_06.rawmk3	20_08.rawmk3	21_01.rawmk3	21_54.rawmk3

18_16.rawmk3	19_09.rawmk3	20_11.rawmk3	21_04.rawmk3	21_57.rawmk3
18_19.rawmk3	19_15.rawmk3	20_14.rawmk3	21_07.rawmk3	21_59.rawmk3
18_22.rawmk3	19_21.rawmk3	20_17.rawmk3	21_10.rawmk3	22_02.rawmk3
18_25.rawmk3	19_27.rawmk3	20_20.rawmk3	21_13.rawmk3	22_05.rawmk3
18_28.rawmk3	19_30.rawmk3	20_23.rawmk3	21_16.rawmk3	22_08.rawmk3
18_31.rawmk3	19_33.rawmk3	20_26.rawmk3	21_19.rawmk3	22_11.rawmk3
18_34.rawmk3	19_36.rawmk3	20_29.rawmk3	21_21.rawmk3	c19_12.rawmk3
18_37.rawmk3	19_39.rawmk3	20_32.rawmk3	21_24.rawmk3	c19_18.rawmk3
18_40.rawmk3	19_42.rawmk3	20_35.rawmk3	21_27.rawmk3	c19_24.rawmk3