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Mauna Loa Solar Observatory Observer's Log  
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Tue Jan 5 17:14:17 GMT 1999

Year: 99 Doy: 005

Observer: yasukawa

WEATHER COMMENT: Tue Jan 5 17:15:05 GMT 1999

Cool, clear, light west wind.

Tue Jan 5 17:17:55 GMT 1999 CHIP Startup--Initializing new tape

LOW-L COMMENT: Tue Jan 5 17:19:05 GMT 1999

LOWL time and date OK, screen color is "negative" but not affecting program.

Tue Jan 5 17:25:53 GMT 1999 CHIP CHIP Start Patrol

Tue Jan 5 17:26:06 GMT 1999 PICS Start Patrol

Tue Jan 5 17:28:12 GMT 1999 MKIII Start Patrol

**\*\*GONG PROBLEM\*\***: Tue Jan 5 17:57:23 GMT 1999

Going down to GONG to check out possible crash.

Tue Jan 5 18:00:35 GMT 1999 PICS Flat

Tue Jan 5 18:02:18 GMT 1999 PICS End Flat

Tue Jan 5 18:02:51 GMT 1999 CHIP Bias

Tue Jan 5 18:03:43 GMT 1999 CHIP End Bias

Tue Jan 5 18:04:09 GMT 1999 CHIP Water

Tue Jan 5 18:04:51 GMT 1999 CHIP End Water

**\*\*GONG PROBLEM\*\***: Tue Jan 5 18:41:45 GMT 1999

Back from GONG for now. Data chassis has a power problem.

Tue Jan 5 18:45:51 GMT 1999 MKIII Start Cal

WEATHER COMMENT: Tue Jan 5 18:56:49 GMT 1999

Passing cirrus patch.

Tue Jan 5 19:00:37 GMT 1999 PICS Flat

Tue Jan 5 19:02:03 GMT 1999 PICS End Flat

Tue Jan 5 19:02:53 GMT 1999 CHIP Bias

Tue Jan 5 19:03:52 GMT 1999 CHIP End Bias

Tue Jan 5 19:04:02 GMT 1999 CHIP Water

Tue Jan 5 19:04:41 GMT 1999 CHIP End Water

Tue Jan 5 19:06:06 GMT 1999 MKIII Start Patrol

MKIV COMMENT: Tue Jan 5 19:22:33 GMT 1999

Stopping to do height mask test.

Tue Jan 5 19:25:29 GMT 1999 MKIII End Patrol

Tue Jan 5 19:31:10 GMT 1999 MKIII Start Patrol

MKIV COMMENT: Tue Jan 5 19:31:48 GMT 1999

Running height mask test with opal in.

MKIV COMMENT: Tue Jan 5 19:37:50 GMT 1999

took opal out for a couple of scans.

Tue Jan 5 19:44:05 GMT 1999 MKIII End Patrol

MKIV COMMENT: Tue Jan 5 19:49:12 GMT 1999

Height mask test pau.

Tue Jan 5 19:49:55 GMT 1999 MKIII Start Patrol

Tue Jan 5 20:00:39 GMT 1999 PICS Flat

Tue Jan 5 20:01:48 GMT 1999 CHIP Gain

Tue Jan 5 20:02:05 GMT 1999 PICS End Flat

Tue Jan 5 20:06:14 GMT 1999 CHIP End Gain

Tue Jan 5 20:06:29 GMT 1999 CHIP Bias

**\*\*\*\* EVENT COMMENT \*\*\*\***: Tue Jan 5 20:07:18 GMT 1999

Possible CME at PA 310 from around 1919 UT. Change seen in thin streamer before and after height mask test.

1999 CHIP End Water

**\*\*GONG PROBLEM\*\***: Tue Jan 5 20:18:09 GMT 1999

Going back down to GONG to check out dead data computer.

Tue Jan 5 21:00:38 GMT 1999 PICS Flat

Tue Jan 5 21:02:20 GMT 1999 PICS End Flat

Tue Jan 5 21:02:48 GMT 1999 CHIP Bias

Tue Jan 5 21:03:41 GMT 1999 CHIP End Bias

Tue Jan 5 21:03:56 GMT 1999 CHIP Water

Tue Jan 5 21:04:46 GMT 1999 CHIP End Water

WEATHER COMMENT: Tue Jan 5 21:29:15 GMT 1999

In thick cirrus.

**\*\*GONG PROBLEM\*\***: Tue Jan 5 21:29:36 GMT 1999

Returned from GONG. AC power to data chassis power supplies intermittent. Mostly off. Suspect solid state relay or MOVs failure between the AC input filter/connector and the terminal block that distributes AC to the three power supplies in the assembly.

Notified GONG\_ops about my findings.

Tue Jan 5 22:00:36 GMT 1999 PICS Flat  
Tue Jan 5 22:02:01 GMT 1999 PICS End Flat  
Tue Jan 5 22:02:52 GMT 1999 CHIP Bias  
Tue Jan 5 22:03:51 GMT 1999 CHIP End Bias  
Tue Jan 5 22:04:01 GMT 1999 CHIP Water  
Tue Jan 5 22:04:42 GMT 1999 CHIP End Water

\*\*GONG PROBLEM\*\*: Tue Jan 5 22:08:48 GMT 1999

Going back down to GONG to check out one possible fix.

\*\*GONG PROBLEM\*\*: Tue Jan 5 22:54:33 GMT 1999

There is a molex-type connector at the 5V VME supply in the upper part of the Data chassis that connects to the solid state relay control terminals. It may have become flaky enough that when I pulled the chassis out to clean the air filter, it became intermittent. I unplugged the connector and spread the pins and reconnected it. It was accessible by releasing the top back cover via two spring-loaded levers. The back cover then swung down revealing the power supply. After reassembling the data chassis, I turned the power back on and the data computer came back up. It has been running OK for a while now. Changed tapes.

\*\*PICS PROBLEM\*\*: Tue Jan 5 23:02:29 GMT 1999

Ron Lull determined that the AC filter for the Halle temp. controller has a removeable fuse inside a hatch on the faceplate. The fit is so good that it looked like a stamped border for the hard to read imprint. Anyway, once I can locate a replacement fuse, probably from radio shack -- it is a 250V 1A mini-european type fuse, I will re-install the filter and the Halle problem will be resolved.

Tue Jan 5 23:07:47 GMT 1999 PICS End Patrol  
Tue Jan 5 23:09:27 GMT 1999 CHIP CHIP End Patrol  
Tue Jan 5 23:10:14 GMT 1999 CHIP ending tape

COMMENT: Tue Jan 5 23:14:46 GMT 1999

Tapes:

MKIV: 99-005

PICS: P01367

CHIP: C00754

LOWL: L00567

LOW-L COMMENT: Tue Jan 5 23:16:01 GMT 1999

LOWL time and date were OK every time I looked.

Tue Jan 5 23:16:59 GMT 1999

MkIII

17_28.rawmk3	18_33.rawmk3	19_59.rawmk3	21_04.rawmk3	22_08.rawmk3
17_31.rawmk3	18_36.rawmk3	20_02.rawmk3	21_07.rawmk3	22_12.rawmk3
17_34.rawmk3	18_39.rawmk3	20_06.rawmk3	21_10.rawmk3	22_15.rawmk3
17_38.rawmk3	18_42.rawmk3	20_09.rawmk3	21_13.rawmk3	22_18.rawmk3
17_41.rawmk3	18_49.rawmk3	20_12.rawmk3	21_17.rawmk3	22_21.rawmk3
17_44.rawmk3	18_56.rawmk3	20_15.rawmk3	21_20.rawmk3	22_25.rawmk3
17_47.rawmk3	19_02.rawmk3	20_19.rawmk3	21_23.rawmk3	22_28.rawmk3
17_51.rawmk3	19_06.rawmk3	20_22.rawmk3	21_26.rawmk3	22_31.rawmk3
17_54.rawmk3	19_09.rawmk3	20_25.rawmk3	21_30.rawmk3	22_34.rawmk3
17_57.rawmk3	19_12.rawmk3	20_28.rawmk3	21_33.rawmk3	22_37.rawmk3
18_00.rawmk3	19_15.rawmk3	20_31.rawmk3	21_36.rawmk3	22_41.rawmk3
18_04.rawmk3	19_19.rawmk3	20_35.rawmk3	21_39.rawmk3	22_44.rawmk3
18_07.rawmk3	19_22.rawmk3	20_38.rawmk3	21_43.rawmk3	22_47.rawmk3
18_10.rawmk3	19_31.rawmk3	20_41.rawmk3	21_46.rawmk3	22_50.rawmk3
18_13.rawmk3	19_34.rawmk3	20_44.rawmk3	21_49.rawmk3	22_54.rawmk3
18_16.rawmk3	19_37.rawmk3	20_48.rawmk3	21_52.rawmk3	c18_46.rawmk3
18_20.rawmk3	19_40.rawmk3	20_51.rawmk3	21_55.rawmk3	c18_52.rawmk3
18_23.rawmk3	19_50.rawmk3	20_54.rawmk3	21_59.rawmk3	c18_59.rawmk3
18_26.rawmk3	19_53.rawmk3	20_57.rawmk3	22_02.rawmk3	
18_29.rawmk3	19_56.rawmk3	21_01.rawmk3	22_05.rawmk3	