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                  Mauna Loa Solar Observatory Observer's Log
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          Mon Oct  5 16:43:05 GMT 1998
Year: 98  Doy: 278
Observer: yasukawa
Mon Oct  5 16:47:33 GMT 1998    CHIP     Startup--Initializing new tape
WEATHER COMMENT: Mon Oct  5 16:47:40 GMT 1998
Cool, in scattered altocumulus clouds, light south wind.
CHIP COMMENT: Mon Oct  5 16:49:59 GMT 1998
turned CHIP temperature controller on.  Will not run CHIP for now
but I will monitor filter temperature for a while to see if some of
the crimps Darryl made were effective in improving continuity to the
sensor.  Will not run program for now.
Temp 22.402
Mon Oct  5 16:53:13 GMT 1998    PICS     Start Patrol
Mon Oct  5 16:58:44 GMT 1998    MKIII    Start Patrol
Mon Oct  5 17:00:42 GMT 1998    PICS     Flat
Mon Oct  5 17:02:08 GMT 1998    PICS     End Flat
**MKIII PROBLEM**: Mon Oct  5 17:02:43 GMT 1998
No signal on MKIII and barrel drive is running wild.  Microprocessor
may need a reset.
Mon Oct  5 17:07:24 GMT 1998    MKIII    Start Patrol
Mon Oct  5 17:13:24 GMT 1998    MKIII    Start Patrol
**MKIII PROBLEM**: Mon Oct  5 17:14:26 GMT 1998
Still no signal on display.  Signal present on P+S monitor but flat on
P-S.  Investigating further.
**MKIII PROBLEM**: Mon Oct  5 17:23:52 GMT 1998
OK found the problem.  5VDC power supply to analog corrector was
hosed.  swapped it with the spare (spare is labelled as "BAD" but is working
right now so it will have to do.  I will look for a replacement and if one
is available, I will rig it up for use.
Mon Oct  5 17:26:53 GMT 1998    MKIII    Start Patrol
CHIP COMMENT: Mon Oct  5 17:51:43 GMT 1998
CHIP temp 31.138
WEATHER COMMENT: Mon Oct  5 17:52:30 GMT 1998
In thin cirrus.
Mon Oct  5 18:00:39 GMT 1998    PICS     Flat
Mon Oct  5 18:02:06 GMT 1998    PICS     End Flat
**MKIII PROBLEM**: Mon Oct  5 18:15:22 GMT 1998
Wired up a spare Lambda LNS-Y-5-OV 5VDC@6A (larger) power supply
to use for channel 0 DCSB digital chassis.  I will replace the temporary
spare I hooked up as the spare is lablelled BAD.
Mon Oct  5 18:24:19 GMT 1998    MKIII    Start Patrol
**MKIII PROBLEM**: Mon Oct  5 18:24:40 GMT 1998
New spare power supply online and adjusted for 5.01 VDC.
MKIII working OK.
CHIP COMMENT: Mon Oct  5 18:25:51 GMT 1998
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CHIP filter temperature now in range at 34.397. Will monitor a bit.
CHIP COMMENT: Mon Oct 5 18:28:47 GMT 1998
CHIP filter temp now overshooting in the red at 34.642.
MKIII COMMENT: Mon Oct 5 18:44:31 GMT 1998
Alice complained about a possible smudge on the O1. There were a
couple of faint water marks on the front surface which I cleaned off with
alcohol. Whenever this is done, the O1 becomes a dust magnet for
a while so there may be some polarization effects from dust for a while
until the static charge dissipates.
Mon Oct 5 18:46:37 GMT 1998   MKIII   Start Patrol
CHIP COMMENT: Mon Oct 5 18:57:18 GMT 1998
CHIP temp. 36.649 and still rising.
Mon Oct 5 19:00:40 GMT 1998   PICS   Flat
Mon Oct 5 19:02:08 GMT 1998   PICS   End Flat
COMMENT: Mon Oct 5 19:21:17 GMT 1998
Stopping to reconfigure dome shutter.
Mon Oct 5 19:21:40 GMT 1998   PICS   End Patrol
WEATHER COMMENT: Mon Oct 5 19:31:35 GMT 1998
In thin cirrus and altocumulus.
MKIII COMMENT: Mon Oct 5 19:31:53 GMT 1998
Blew away more dust off of O1.
Mon Oct 5 19:32:39 GMT 1998   MKIII   Start Patrol
Mon Oct 5 19:32:51 GMT 1998   PICS   Start Patrol
COMMENT: Mon Oct 5 19:32:57 GMT 1998
Going down to GONG to do weekly and monthly preventive maintenance.
CHIP COMMENT: Mon Oct 5 19:33:34 GMT 1998
CHIP temp 38.538 and still rising.
Mon Oct 5 19:55:44 GMT 1998   PICS   End Patrol
GONG COMMENT: Mon Oct 5 19:55:45 GMT 1998
Back from GONG
PSPT PROBLEM: Mon Oct 5 19:55:57 GMT 1998
Dome rotator failure. Sounded like a relay in the control box was
clicking away. Clicking stopped and dome would not rotate
using manual switch. Popped a circuit breaker. Reset it.
Dome rotating OK.
WEATHER COMMENT: Mon Oct 5 19:57:40 GMT 1998
Stopping obs due to thick altocumulus.
CHIP PROBLEM: Mon Oct 5 20:46:10 GMT 1998
I concur with Darryl, the jack mounted on the filter is flaky.
Cables are OK. Connector is a Johnson BMG panel connector (male).
I would hesitate replacing it if we had a spare part without
first consulting with Meadowlark Optics. Problem is with center pin
and/or its connection with the wiring inside the filter. Vibration
causes resistance to vary and sometimes lose continuity.
Mon Oct 5 20:52:30 GMT 1998   MKIII   Start Patrol
Mon Oct 5 21:00:43 GMT 1998   PICS   Flat
Mon Oct 5 21:02:10 GMT 1998   PICS   End Flat
CHIP PROBLEM: Mon Oct 5 21:26:34 GMT 1998

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Turned controller off when I was checking out connections, by the way.
Leaving controller off.
Mon Oct  5 21:53:33 GMT 1998    CHIP      ending tape
Mon Oct  5 22:00:39 GMT 1998    PICS      Flat
MKIII COMMENT: Mon Oct  5 22:01:02 GMT 1998
Forgot to calibrate.  Doing it now.
Mon Oct  5 22:02:08 GMT 1998    PICS      End Flat
**LOW-L PROBLEM**: Mon Oct  5 22:02:06 GMT 1998
L00546 popped out of drive 0 and then got sucked back in.  This kept
repeating. Pulled tape out & drive stopped doing things (LEDs off).
Tape didn't rewind.  Data started writing to L00547 in drive 1.
Mon Oct  5 22:09:45 GMT 1998    PICS      End Patrol
COMMENT: Mon Oct  5 22:12:17 GMT 1998

Tapes:
PICS:  P01312
CHIP: NO DATA
LOWL:  L00546
WEATHER COMMENT: Mon Oct  5 22:18:45 GMT 1998
In cirrocumulus.
Mon Oct  5 22:21:56 GMT 1998
        MkIII


17_13.rawmk3    18_04.rawmk3    19_04.rawmk3    20_55.rawmk3    21_39.rawmk3
17_22.rawmk3    18_07.rawmk3    19_07.rawmk3    20_58.rawmk3    21_42.rawmk3
17_26.rawmk3    18_10.rawmk3    19_10.rawmk3    21_01.rawmk3    21_45.rawmk3
17_29.rawmk3    18_13.rawmk3    19_13.rawmk3    21_04.rawmk3    21_48.rawmk3
17_32.rawmk3    18_16.rawmk3    19_15.rawmk3    21_07.rawmk3    21_51.rawmk3
17_35.rawmk3    18_24.rawmk3    19_18.rawmk3    21_10.rawmk3    21_53.rawmk3
17_38.rawmk3    18_27.rawmk3    19_32.rawmk3    21_13.rawmk3    21_56.rawmk3
17_41.rawmk3    18_30.rawmk3    19_35.rawmk3    21_15.rawmk3    21_59.rawmk3
17_44.rawmk3    18_33.rawmk3    19_38.rawmk3    21_18.rawmk3    22_05.rawmk3
17_47.rawmk3    18_46.rawmk3    19_41.rawmk3    21_21.rawmk3    22_11.rawmk3
17_50.rawmk3    18_49.rawmk3    19_44.rawmk3    21_24.rawmk3    22_18.rawmk3
17_53.rawmk3    18_52.rawmk3    19_47.rawmk3    21_27.rawmk3    c22_02.rawmk3
17_56.rawmk3    18_55.rawmk3    19_50.rawmk3    21_30.rawmk3    c22_08.rawmk3
17_59.rawmk3    18_58.rawmk3    19_53.rawmk3    21_33.rawmk3    c22_14.rawmk3
18_02.rawmk3    19_01.rawmk3    20_52.rawmk3    21_36.rawmk3
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