
Mauna Loa Solar Observatory Observer's Log

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 labelled 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

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

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	