
Mauna Loa Solar Observatory Observer's Log

Mon Dec 31 17:23:06 GMT 2001

Year: 01 Doy: 365

Observer: yasukawa

WEATHER COMMENT: Mon Dec 31 17:23:26 GMT 2001

Cool, clear, brisk west wind.

Mon Dec 31 17:28:26 GMT 2001 MKIV Start Patrol

Mon Dec 31 17:28:31 GMT 2001 CHIP Start Patrol

PSPT COMMENT: Mon Dec 31 17:45:08 GMT 2001

Starting observations.

Mon Dec 31 18:03:05 GMT 2001 CHIP LSD

Mon Dec 31 18:05:30 GMT 2001 CHIP End LSD

Mon Dec 31 18:05:51 GMT 2001 CHIP BiasLSD

Mon Dec 31 18:06:51 GMT 2001 CHIP End BiasLSD

Mon Dec 31 18:07:00 GMT 2001 CHIP Bias

Mon Dec 31 18:07:55 GMT 2001 CHIP End Bias

Mon Dec 31 18:22:50 GMT 2001 MKIV End Patrol

Mon Dec 31 18:22:59 GMT 2001 MKIV Start Cal

PSPT PROBLEM: Mon Dec 31 18:37:24 GMT 2001

Stalled at 1820 UT "Starting high resolution data". restarted.

(unless otherwise noted, "restarted" will refer to killing RunPspt.pro and then restarting Pspt on IDL and then restarting Daily Observation)

Mon Dec 31 19:00:59 GMT 2001 CHIP LSD

Mon Dec 31 19:03:19 GMT 2001 CHIP End LSD

Mon Dec 31 19:03:35 GMT 2001 CHIP BiasLSD

Mon Dec 31 19:04:32 GMT 2001 CHIP End BiasLSD

Mon Dec 31 19:04:45 GMT 2001 CHIP Bias

Mon Dec 31 19:05:40 GMT 2001 CHIP End Bias

MKIV PROBLEM: Mon Dec 31 19:13:47 GMT 2001

I bumped bench power supply with hole puncher (store behind it).

All of a sudden overload lamp came on, meter jumped to 2.5A, and barrel stopped rotating. Checking it out.

Mon Dec 31 19:20:48 GMT 2001 MKIV End Patrol

Mon Dec 31 19:21:53 GMT 2001 MKIV Start Patrol

MKIV PROBLEM: Mon Dec 31 19:17:20 GMT 2001

Not sure if bump was related to anything. Status module indicated barrel was at a limit. I had turned power supply off when I noticed the overload lamp was lit as soon as I logged meter reading. When I turned it back on, voltage and current returned to normal. I started the barrel running in the opposite (CW) direction and Patrol continued as soon as "180 degrees" was passed.

Stopped patrol to reinitialize anything that might have gotten hosed.

Restarted patrol OK.

PSPT PROBLEM: Mon Dec 31 19:29:26 GMT 2001

PSPT stalled at 1921 "Centering Sun", restarted.

Mon Dec 31 20:01:00 GMT 2001 CHIP LSD

Mon Dec 31 20:03:21 GMT 2001 CHIP End LSD
Mon Dec 31 20:03:35 GMT 2001 CHIP BiasLSD
Mon Dec 31 20:04:32 GMT 2001 CHIP End BiasLSD
Mon Dec 31 20:04:48 GMT 2001 CHIP Bias
Mon Dec 31 20:05:46 GMT 2001 CHIP End Bias
GONG COMMENT: Mon Dec 31 20:12:51 GMT 2001
Going down to GONG to check things out.
GONG COMMENT: Mon Dec 31 20:23:56 GMT 2001
Back from GONG. Looks like the crash crew is not finished with their work as anticipated. Shelter is cleaned up but system is off, fuses are pulled from various rack modules, shipping cases are stowed in the shelter, and there are a couple of tools laying around inside the optical bench.
PSPT PROBLEM: Mon Dec 31 20:42:14 GMT 2001
PSPT stalled at 2027 UT centering sun, restarted.
Mon Dec 31 21:01:06 GMT 2001 CHIP LSD
Mon Dec 31 21:03:27 GMT 2001 CHIP End LSD
Mon Dec 31 21:03:44 GMT 2001 CHIP BiasLSD
Mon Dec 31 21:04:40 GMT 2001 CHIP End BiasLSD
Mon Dec 31 21:04:52 GMT 2001 CHIP Bias
Mon Dec 31 21:05:40 GMT 2001 CHIP End Bias
Mon Dec 31 22:01:10 GMT 2001 CHIP LSD
PSPT PROBLEM: Mon Dec 31 22:01:38 GMT 2001
PSPT stalled at 2127 UT centering sun. Shutdown.
Mon Dec 31 22:03:21 GMT 2001 CHIP End LSD
Mon Dec 31 22:03:35 GMT 2001 CHIP BiasLSD
Mon Dec 31 22:04:25 GMT 2001 CHIP End BiasLSD
Mon Dec 31 22:04:36 GMT 2001 CHIP Bias
Mon Dec 31 22:05:25 GMT 2001 CHIP End Bias
Mon Dec 31 22:07:39 GMT 2001 CHIP End Patrol
Mon Dec 31 22:08:00 GMT 2001 MKIV End Patrol
MKIV PROBLEM: Mon Dec 31 22:06:28 GMT 2001
Checked out a power supply that we built for the old DPMON data display module. There is a Semiconductor Circuits EC5S1000 brick installed in a nice housing with an on/off switch, LED indicator, fuse, AC power cord, MS-type connector, and a cable available. PS provides 5VDC, possibly at 1000mA. I modified the cable to push onto the wire-wrap pins where the current power is attached to. I will test it out after I shut down.
Mon Dec 31 22:18:38 GMT 2001 MKIV Start Patrol
Mon Dec 31 22:24:58 GMT 2001 MKIV End Patrol
MKIV PROBLEM: Mon Dec 31 22:18:56 GMT 2001
Installed alternate power supply and checked that there is no potential between the two power supply grounds.
Barrel is running OK. I will leave it in for a while. If this proves a good "fix", I will work toward a more permanent installation, possibly moving the vernitech back onto the original power supply and running the Analog Devices module off the "new" supply.
Mon Dec 31 22:28:14 GMT 2001

MkIV

17_28.rawmk4	18_38.rawmk4	19_39.rawmk4	20_39.rawmk4	21_35.rawmk4
17_31.rawmk4	18_41.rawmk4	19_42.rawmk4	20_42.rawmk4	21_38.rawmk4
17_34.rawmk4	18_44.rawmk4	19_45.rawmk4	20_45.rawmk4	21_41.rawmk4
17_37.rawmk4	18_47.rawmk4	19_48.rawmk4	20_48.rawmk4	21_44.rawmk4
17_40.rawmk4	18_50.rawmk4	19_51.rawmk4	20_51.rawmk4	21_46.rawmk4
17_43.rawmk4	18_53.rawmk4	19_54.rawmk4	20_53.rawmk4	21_49.rawmk4
17_49.rawmk4	18_56.rawmk4	19_57.rawmk4	20_56.rawmk4	21_52.rawmk4
17_52.rawmk4	18_59.rawmk4	20_00.rawmk4	20_59.rawmk4	21_55.rawmk4
17_55.rawmk4	19_02.rawmk4	20_03.rawmk4	21_02.rawmk4	21_58.rawmk4
17_58.rawmk4	19_05.rawmk4	20_06.rawmk4	21_05.rawmk4	22_01.rawmk4
18_01.rawmk4	19_08.rawmk4	20_09.rawmk4	21_08.rawmk4	22_04.rawmk4
18_04.rawmk4	19_11.rawmk4	20_11.rawmk4	21_11.rawmk4	22_18.rawmk4
18_07.rawmk4	19_14.rawmk4	20_14.rawmk4	21_14.rawmk4	22_21.rawmk4
18_10.rawmk4	19_21.rawmk4	20_17.rawmk4	21_17.rawmk4	c18_22.rawmk4
18_13.rawmk4	19_24.rawmk4	20_20.rawmk4	21_20.rawmk4	c18_29.rawmk4
18_16.rawmk4	19_27.rawmk4	20_23.rawmk4	21_23.rawmk4	c18_35.rawmk4
18_19.rawmk4	19_30.rawmk4	20_26.rawmk4	21_26.rawmk4	
18_26.rawmk4	19_33.rawmk4	20_29.rawmk4	21_29.rawmk4	
18_32.rawmk4	19_36.rawmk4	20_35.rawmk4	21_32.rawmk4	