
Mauna Loa Solar Observatory Observer's Log

Fri May 22 16:33:36 GMT 1998

Year: 98 Doy: 142

Observer: yasukawa

WEATHER COMMENT: Fri May 22 16:34:19 GMT 1998

Cool, clear, southeast wind, 25 mph.

Fri May 22 16:35:11 GMT 1998 CHIP Startup--Initializing new tape

WEATHER COMMENT: Fri May 22 16:38:55 GMT 1998

Scattered thin cirrus near sun line-of sight.

Patrol

Fri May 22 16:39:01 GMT 1998 PICS Start Patrol

Fri May 22 16:39:38 GMT 1998 MKIII Start Patrol

Fri May 22 17:02:02 GMT 1998 CHIP End Bias

Fri May 22 17:02:12 GMT 1998 CHIP Water

Fri May 22 17:02:23 GMT 1998 PICS Flat

Fri May 22 17:02:56 GMT 1998 CHIP End Water

Fri May 22 17:03:06 GMT 1998 CHIP Velocity

Fri May 22 17:03:50 GMT 1998 PICS End Flat

Fri May 22 17:04:30 GMT 1998 CHIP End Velocity

Fri May 22 17:04:40 GMT 1998 CHIP Minor

Fri May 22 17:06:12 GMT 1998 CHIP End Minor

COMMENT: Fri May 22 17:06:51 GMT 1998

Network is down. Unable to send yesterday's log at this time.

COMMENT: Fri May 22 17:07:34 GMT 1998

Returned from NOAA, read HELCO meters.

MKIII COMMENT: Fri May 22 17:09:38 GMT 1998

Noticed 'wrote 0 records' / Stall in Write mode error.

Unloading tape manually and starting new tape after resetting KCC.

End H01830, start H01831

PICS COMMENT: Fri May 22 17:13:00 GMT 1998

Cleaned drive this morning before starting up as requested.

Fri May 22 17:18:37 GMT 1998 MKIII Start Patrol

PSPT COMMENT: Fri May 22 17:24:54 GMT 1998

Haosheng unable to test PSPT over net due to outage. Going ahead with Run from here.

PSPT COMMENT: Fri May 22 17:44:19 GMT 1998

PSPT did not function normally. Program did not include steps to open covers and point dome. When I exited program and shutdown, dome ran to North. Contacted Haosheng's voicemail.

Fri May 22 18:00:23 GMT 1998 PICS Flat

Fri May 22 18:01:02 GMT 1998 CHIP Bias

Fri May 22 18:01:50 GMT 1998 PICS End Flat

Fri May 22 18:02:08 GMT 1998 CHIP End Bias

Fri May 22 18:02:18 GMT 1998 CHIP Water

Fri May 22 18:03:03 GMT 1998 CHIP End Water

Fri May 22 18:03:21 GMT 1998 CHIP Velocity

Fri May 22 18:04:46 GMT 1998 CHIP End Velocity
Fri May 22 18:04:55 GMT 1998 CHIP Minor
Fri May 22 18:06:34 GMT 1998 CHIP End Minor
Fri May 22 19:01:10 GMT 1998 CHIP Bias
Fri May 22 19:01:27 GMT 1998 PICS Flat
Fri May 22 19:02:28 GMT 1998 CHIP End Bias
Fri May 22 19:02:41 GMT 1998 CHIP Water
Fri May 22 19:02:53 GMT 1998 PICS End Flat
Fri May 22 19:03:28 GMT 1998 CHIP End Water
Fri May 22 19:03:38 GMT 1998 CHIP Velocity
Fri May 22 19:04:54 GMT 1998 CHIP End Velocity
Fri May 22 19:05:08 GMT 1998 CHIP Minor
Fri May 22 19:06:41 GMT 1998 CHIP End Minor
Fri May 22 19:14:17 GMT 1998 PICS End Patrol

COMMENT: Fri May 22 19:14:50 GMT 1998

Stopping to reconfigure dome.

Fri May 22 19:15:40 GMT 1998 CHIP CHIP End Patrol
Fri May 22 19:21:12 GMT 1998 MKIII Start Patrol
Fri May 22 19:21:37 GMT 1998 PICS Start Patrol
Fri May 22 19:21:37 GMT 1998 PICS Start Patrol

COMMENT: Fri May 22 19:29:32 GMT 1998

NOAA guys arrived and repowered the entire net system in their bldg.

Net back up.

sending yesterday's log.

WEATHER COMMENT: Fri May 22 19:37:03 GMT 1998

In passing thin cirrus.

Fri May 22 20:01:04 GMT 1998 CHIP Gain
Fri May 22 20:02:24 GMT 1998 PICS Flat
Fri May 22 20:03:55 GMT 1998 PICS End Flat
Fri May 22 20:07:07 GMT 1998 CHIP End Gain
Fri May 22 20:07:17 GMT 1998 CHIP Bias
Fri May 22 20:08:10 GMT 1998 CHIP End Bias
Fri May 22 20:08:23 GMT 1998 CHIP Water
Fri May 22 20:09:08 GMT 1998 CHIP End Water
Fri May 22 20:09:18 GMT 1998 CHIP Velocity
Fri May 22 20:10:30 GMT 1998 CHIP End Velocity
Fri May 22 20:10:40 GMT 1998 CHIP Minor
Fri May 22 20:12:14 GMT 1998 CHIP End Minor

LOW-L COMMENT: Fri May 22 20:20:52 GMT 1998

At 1628 UT:

EBay=12.949 Out=6.326 Fan=-84.067 On/off=0/10

RED:

Mof2res=110.342 Moflent=18.665 Mof2ent=14.053 West2=20.078

At 2020 UT:

Yellow, still:

Mof2res=112.202

LOW-L COMMENT: Fri May 22 20:59:05 GMT 1998

Checked out OMEGA and thermistor. Temp was 40, setpoint 25. I inspected sensor and it was mounted OK. I gave it a tap with my finger and the controller temp went to 495, further taps caused wild variations, e.g. 295, 399, 199. I closed up the ebay and controller displayed EE1. Cycled spar power and controller displayed 65.

Fri May 22 21:02:19 GMT 1998 CHIP End Bias

LOW-L COMMENT: Fri May 22 21:02:30 GMT 1998

L00517 was popped out before I cycled the spar power. Popped early. After cycling spar power, CPU crashed at 2057 UT. Cleaned temp. drive 0, moved L00518 to drive 0, loaded L00519 in temp. drive 1, restarted LOWL.

PSPT COMMENT: Fri May 22 21:31:43 GMT 1998

Haosheng called, he forgot to put back the modules he took out while troubleshooting the guiding. He put the modules back and we tried Run. This time the dome would not move due to a blown something or other. Not powered. Won't run under computer control or manually. Looking for problem.

PSPT COMMENT: Fri May 22 21:58:38 GMT 1998

Found circuit breaker popped. Reset it and got dome to rotate again. In trying to Run, dome would find home, but then it would start up running CCW again looking for the ephemeris position, according to PC output-the wrong direction. Wanted to find 845.xxx, but would decrement to larger negative numbers. Dome would keep running. Had to stop it by resetting the PC power. Haosheng suspects ephemeris error. Leaving PSPT on, except for dome rotation, overnight so Haosheng can troubleshoot the program, we'll work on the dome problem tomorrow.

8 CHIP Water

Fri May 22 22:04:02 GMT 1998 CHIP End Water

Fri May 22 22:04:12 GMT 1998 CHIP Velocity

Fri May 22 22:05:32 GMT 1998 CHIP End Velocity

Fri May 22 22:11:35 GMT 1998 CHIP CHIP End Patrol

Fri May 22 22:12:20 GMT 1998 CHIP ending tape

Fri May 22 22:12:20 GMT 1998 CHIP ending tape

COMMENT: Fri May 22 22:22:17 GMT 1998

Tapes:

MKIII: H01830 and H01831

PICS: P01197

CHIP: c00589

LOWL: L00517 and L00518

LOW-L COMMENT: Fri May 22 22:23:51 GMT 1998

LOWL temp at 2212 UT

ebay: 21.750 outside: 13.800 fan: -78.412 on/off: 0/10

Yellow: MOF2res 112.453

Fri May 22 22:27:41 GMT 1998

MkIII

16_39.rawmk3	17_48.rawmk3	19_02.rawmk3	20_10.rawmk3	21_15.rawmk3
16_42.rawmk3	17_50.rawmk3	19_04.rawmk3	20_13.rawmk3	21_18.rawmk3
16_45.rawmk3	17_53.rawmk3	19_07.rawmk3	20_16.rawmk3	21_21.rawmk3
16_48.rawmk3	17_56.rawmk3	19_10.rawmk3	20_19.rawmk3	21_24.rawmk3
16_51.rawmk3	17_59.rawmk3	19_13.rawmk3	20_22.rawmk3	21_26.rawmk3
16_54.rawmk3	18_02.rawmk3	19_21.rawmk3	20_25.rawmk3	21_29.rawmk3
16_57.rawmk3	18_05.rawmk3	19_24.rawmk3	20_28.rawmk3	21_32.rawmk3
17_00.rawmk3	18_08.rawmk3	19_27.rawmk3	20_31.rawmk3	21_35.rawmk3
17_03.rawmk3	18_11.rawmk3	19_30.rawmk3	20_34.rawmk3	21_38.rawmk3
17_06.rawmk3	18_14.rawmk3	19_32.rawmk3	20_37.rawmk3	21_41.rawmk3
17_09.rawmk3	18_20.rawmk3	19_35.rawmk3	20_40.rawmk3	21_44.rawmk3
17_12.rawmk3	18_26.rawmk3	19_38.rawmk3	20_43.rawmk3	21_47.rawmk3
17_18.rawmk3	18_32.rawmk3	19_41.rawmk3	20_46.rawmk3	21_50.rawmk3
17_21.rawmk3	18_35.rawmk3	19_44.rawmk3	20_48.rawmk3	21_53.rawmk3
17_24.rawmk3	18_38.rawmk3	19_47.rawmk3	20_51.rawmk3	21_56.rawmk3
17_27.rawmk3	18_41.rawmk3	19_50.rawmk3	20_54.rawmk3	21_59.rawmk3
17_30.rawmk3	18_44.rawmk3	19_53.rawmk3	20_57.rawmk3	22_01.rawmk3
17_33.rawmk3	18_47.rawmk3	19_56.rawmk3	21_00.rawmk3	22_04.rawmk3
17_36.rawmk3	18_50.rawmk3	19_59.rawmk3	21_03.rawmk3	22_07.rawmk3
17_39.rawmk3	18_53.rawmk3	20_02.rawmk3	21_06.rawmk3	c18_17.rawmk3
17_42.rawmk3	18_56.rawmk3	20_05.rawmk3	21_09.rawmk3	c18_23.rawmk3
17_45.rawmk3	18_59.rawmk3	20_08.rawmk3	21_12.rawmk3	c18_29.rawmk3