
Mauna Loa Solar Observatory Observer's Log

Tue Mar 23 17:10:36 GMT 1999

Year: 99 Doy: 082

Observer: meisner

WEATHER COMMENT: Tue Mar 23 17:11:53 GMT 1999

Cool, sky mostly clear, a few thin cirrus to the east,
light SE wind.

Tue Mar 23 17:14:52 GMT 1999 CHIP Startup--Initializing new tape

LOW-L PROBLEM: Tue Mar 23 17:16:07 GMT 1999

LOWL crashed "overnight". Found waiting on DOS screen with L00587 popped out
as it probably should have. Cleaned drive 0 and did the tape shuffle.

L00588 in drive 0 and L00589 in drive 1. Set date and time and restarted with
"lowl" command.

Tue Mar 23 17:25:08 GMT 1999 PICS Start Patrol

Tue Mar 23 17:25:59 GMT 1999 CHIP CHIP Start Patrol

Tue Mar 23 17:26:19 GMT 1999 MKIII Start Patrol

CHIP PROBLEM: Tue Mar 23 17:47:28 GMT 1999

CHIP filter temperature is high and rising at this time

for reasons unknown. Checked controller and it is on. Coolant level was
a tad low so we filled it to correct level.

Tue Mar 23 18:02:30 GMT 1999 PICS Flat

Tue Mar 23 18:02:55 GMT 1999 CHIP Bias

Tue Mar 23 18:03:47 GMT 1999 CHIP End Bias

Tue Mar 23 18:03:58 GMT 1999 PICS End Flat

Tue Mar 23 18:03:58 GMT 1999 PICS End Flat

Tue Mar 23 18:04:41 GMT 1999 CHIP End Water

MLSO PROBLEM: Tue Mar 23 18:06:24 GMT 1999

I recall that there was a power outage in parts of the island last night,

This may be why the LOWL crashed and the CHIP filter temperature is high.

CHIP is probably going through the hunting phase, before the temperature
stabilizes.

Tue Mar 23 18:11:38 GMT 1999 MKIII Start Cal

Tue Mar 23 18:31:50 GMT 1999 MKIII End Cal

Tue Mar 23 18:36:40 GMT 1999 MKIII Start Patrol

PICS COMMENT: Tue Mar 23 18:47:19 GMT 1999

Stopping PICS to work on prefilter and set-up for Halle tests.

I'll be removing the PICS covers so I may jostle the spar around
while doing this.

Tue Mar 23 18:48:36 GMT 1999 PICS End Patrol

CHIP PROBLEM: Tue Mar 23 18:49:41 GMT 1999

CHIP filter temp keeps rising, I will try resetting the controller and
will check that the circulator is circulating fluid.

Tue Mar 23 19:02:05 GMT 1999 CHIP Bias

Tue Mar 23 19:03:21 GMT 1999 CHIP End Bias

Tue Mar 23 19:03:31 GMT 1999 CHIP Water

Tue Mar 23 19:04:15 GMT 1999 CHIP End Water

Tue Mar 23 20:02:48 GMT 1999 CHIP Gain

Tue Mar 23 20:07:53 GMT 1999 CHIP End Gain

Tue Mar 23 20:08:04 GMT 1999 CHIP Bias

Tue Mar 23 20:08:57 GMT 1999 CHIP End Bias

Tue Mar 23 20:09:07 GMT 1999 CHIP Water

Tue Mar 23 20:09:46 GMT 1999 CHIP End Water

CHIP PROBLEM: Tue Mar 23 20:46:53 GMT 1999

Temperature continues to rise. Shutting CHIP down and turning controller
off until I can determine what is wrong.

PICS COMMENT: Tue Mar 23 20:47:38 GMT 1999

Remounted 1000 angstrom prefilter in the correct place. It needed to go
just under (ahead of) the existing 70 angstrom prefilter.

PICS COMMENT: Tue Mar 23 20:51:04 GMT 1999

Setting up for Halle test.

PICS COMMENT: Tue Mar 23 20:53:16 GMT 1999

Starting halle filter test.

Tue Mar 23 21:05:03 GMT 1999 MKIII End Patrol

Tue Mar 23 21:09:08 GMT 1999 MKIII Start Patrol

PICS COMMENT: Tue Mar 23 21:10:58 GMT 1999
Halle test: clock-wise 0 to 0.25
Start Patrol
Tue Mar 23 21:13:00 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:13:51 GMT 1999
Halle test: counter-clockwise 0.25 to 0.20
Tue Mar 23 21:14:52 GMT 1999 PICS Start Patrol
Tue Mar 23 21:16:13 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:17:28 GMT 1999
Halle test: counter-clockwise 0.20 to 0.15
Tue Mar 23 21:18:01 GMT 1999 PICS Start Patrol
Tue Mar 23 21:19:24 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:20:24 GMT 1999
Halle test: counter-clockwise 0.15 to 0.10
Tue Mar 23 21:20:57 GMT 1999 PICS Start Patrol
Tue Mar 23 21:22:20 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:23:07 GMT 1999
Halle test: counter-clockwise 0.10 to 0.05
Tue Mar 23 21:23:37 GMT 1999 PICS Start Patrol
Tue Mar 23 21:32:00 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:32:57 GMT 1999
Halle test: counter-clockwise 0.05 to 0.0
Tue Mar 23 21:33:20 GMT 1999 PICS Start Patrol
Tue Mar 23 21:37:26 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:38:32 GMT 1999
Halle test: counter-clockwise 0.0 to 0.05 Red

Tue Mar 23 21:42:29 GMT 1999 PICS End Patrol
Tue Mar 23 21:44:52 GMT 1999 PICS Start Patrol
PICS COMMENT: Tue Mar 23 21:45:10 GMT 1999
Halle test: counter-clockwise 0.05 Red to 0.10 Red
Tue Mar 23 21:46:29 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:47:11 GMT 1999
Halle test: counter-clockwise 0.10 Red to 0.15 Red
Tue Mar 23 21:47:41 GMT 1999 PICS Start Patrol
Tue Mar 23 21:49:14 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:49:56 GMT 1999
Halle test: counter-clockwise 0.15 Red to 0.20 Red
Tue Mar 23 21:50:20 GMT 1999 PICS Start Patrol
Tue Mar 23 21:51:43 GMT 1999 PICS End Patrol
PICS COMMENT: Tue Mar 23 21:52:21 GMT 1999
Halle test: counter-clockwise 0.20 Red to 0.25 Red
Tue Mar 23 21:52:49 GMT 1999 PICS Start Patrol
Tue Mar 23 21:54:10 GMT 1999 PICS End Patrol
Tue Mar 23 21:55:28 GMT 1999 PICS Start Patrol
PICS COMMENT: Tue Mar 23 21:55:37 GMT 1999
Halle test: End
Halle test image times should be coordinated with log entries.
A couple of the test positions went through the observing loop twice, so there will be two disk images for these positions.

Tue Mar 23 22:02:48 GMT 1999 PICS Flat
Tue Mar 23 22:04:24 GMT 1999 PICS End Flat
COMMENT: Tue Mar 23 22:05:06 GMT 1999
I was leaning on the spar quite a bit putting the covers back on the PICS.
Tue Mar 23 22:37:05 GMT 1999 PICS End Patrol
Tue Mar 23 22:39:28 GMT 1999 MKIII End Patrol
Tue Mar 23 22:39:10 GMT 1999 CHIP ending tape
CHIP PROBLEM: Tue Mar 23 22:39:56 GMT 1999
Checked CHIP filter thermocouple resistance. With temp controller turned off, Temp was 28.7, resistance was 8.39 kilohms which is very close to listed resistance on spec sheet. Turned controller back on for the night.
If temperature is too high or unstable tomorrow, Randy will stand down on CHIP.

PSPT COMMENT: Tue Mar 23 22:47:50 GMT 1999
Randy set cadence to 30 min for PSPT today. Initial startup was at normal 1 hr cadence, took initial FF sequence and obs. Ended program, changed cadence, and restarted - hung PSPT and dome got lost. Re-booted

sparc and PC - system ran fine after this. Around noon, pspt lost track of the sun. Did not try to re-start, shutting down.

Tue Mar 23 22:48:01 GMT 1999

PICS: P01396
CHIP: C00810
MKIV: 99-082
LOWL: L00588

MkIII

17_26.rawmk3	18_43.rawmk3	19_44.rawmk3	20_45.rawmk3	21_51.rawmk3
17_29.rawmk3	18_46.rawmk3	19_47.rawmk3	20_49.rawmk3	21_54.rawmk3
17_32.rawmk3	18_49.rawmk3	19_50.rawmk3	20_52.rawmk3	21_57.rawmk3
17_36.rawmk3	18_52.rawmk3	19_54.rawmk3	20_55.rawmk3	22_00.rawmk3
17_39.rawmk3	18_56.rawmk3	19_57.rawmk3	20_58.rawmk3	22_04.rawmk3
17_42.rawmk3	18_59.rawmk3	20_00.rawmk3	21_01.rawmk3	22_07.rawmk3
17_45.rawmk3	19_02.rawmk3	20_03.rawmk3	21_09.rawmk3	22_10.rawmk3
17_49.rawmk3	19_05.rawmk3	20_07.rawmk3	21_12.rawmk3	22_13.rawmk3
17_52.rawmk3	19_09.rawmk3	20_10.rawmk3	21_15.rawmk3	22_17.rawmk3
17_55.rawmk3	19_12.rawmk3	20_13.rawmk3	21_18.rawmk3	22_20.rawmk3
17_58.rawmk3	19_15.rawmk3	20_16.rawmk3	21_22.rawmk3	22_23.rawmk3
18_02.rawmk3	19_18.rawmk3	20_20.rawmk3	21_25.rawmk3	22_26.rawmk3
18_05.rawmk3	19_21.rawmk3	20_23.rawmk3	21_28.rawmk3	22_29.rawmk3
18_08.rawmk3	19_25.rawmk3	20_26.rawmk3	21_31.rawmk3	22_33.rawmk3
18_15.rawmk3	19_28.rawmk3	20_29.rawmk3	21_35.rawmk3	22_36.rawmk3
18_21.rawmk3	19_31.rawmk3	20_32.rawmk3	21_38.rawmk3	c18_11.rawmk3
18_28.rawmk3	19_34.rawmk3	20_36.rawmk3	21_41.rawmk3	c18_18.rawmk3
18_36.rawmk3	19_38.rawmk3	20_39.rawmk3	21_44.rawmk3	c18_25.rawmk3
18_40.rawmk3	19_41.rawmk3	20_42.rawmk3	21_47.rawmk3	