
Mauna Loa Solar Observatory Observer's Log

Sat Sep 21 16:49:15 GMT 1996

Year: 96 Doy: 265

Observer: koon

WEATHER COMMENT: Sat Sep 21 16:49:20 GMT 1996

Medium to thick cirrostratus overcast, wind = 5 mph from the South, temp=45 F.

Sat Sep 21 16:50:20 GMT 1996 CHIP Startup--Initializing new tape

WEATHER COMMENT: Sat Sep 21 16:55:02 GMT 1996

Clouds are too thick for Spar to track, will start observations later.

LOW-L COMMENT: Sat Sep 21 17:20:31 GMT 1996

Since it is cloudy I have stopped the program to install the Code Load Tape in each drive that will change the drive firmware to default to High

Density Compressed Data Format.

Sat Sep 21 18:19:55 GMT 1996 dPMon Start Patrol

Sat Sep 21 18:19:54 GMT 1996 CHIP CHIP Start Patrol

CHIP COMMENT: Sat Sep 21 18:21:12 GMT 1996

Sky is clear enough to track with the Spar, starting observations.

DPMON COMMENT: Sat Sep 21 18:22:14 GMT 1996

Started observations.

CHIP COMMENT: Sat Sep 21 18:26:02 GMT 1996

O1 pointed off, repointing manually.

CHIP COMMENT: Sat Sep 21 18:47:41 GMT 1996

O1 ranaway again, repointed.

Sat Sep 21 19:01:55 GMT 1996 dPMon Flat

Sat Sep 21 19:02:24 GMT 1996 CHIP Bias

Sat Sep 21 19:02:51 GMT 1996 dPMon End Flat

Sat Sep 21 19:03:31 GMT 1996 CHIP End Bias

Sat Sep 21 19:03:41 GMT 1996 CHIP Water

Sat Sep 21 19:04:19 GMT 1996 CHIP End Water

CHIP COMMENT: Sat Sep 21 19:22:43 GMT 1996

O1 ranaway, repointed.

Sat Sep 21 20:01:53 GMT 1996 dPMon Flat

Sat Sep 21 20:02:45 GMT 1996 dPMon End Flat

Sat Sep 21 20:05:13 GMT 1996 CHIP Gain

Sat Sep 21 20:09:33 GMT 1996 CHIP End Gain

Sat Sep 21 20:09:43 GMT 1996 CHIP Bias

Sat Sep 21 20:10:26 GMT 1996 CHIP End Bias

Sat Sep 21 20:10:35 GMT 1996 CHIP Water

Sat Sep 21 20:11:00 GMT 1996 CHIP End Water

LOW-L COMMENT: Sat Sep 21 19:49:53 GMT 1996

According to the instructions I got with the Code Load Tape that tape was supposed to pop out after successfully loading, but it didn't, even after an hour. So I removed it and restarted the observations with L00416 in drive #0 and L00417 in drive #1. I only tried the Code Load Tape on drive #0 in case something goes wrong we will have a known good drive (#1). I'll check with Vic on Monday.

CHIP COMMENT: Sat Sep 21 20:21:17 GMT 1996

O1 pointed off, repointing.

COMMENT: Sat Sep 21 20:40:17 GMT 1996

Extended the dome slot.

MKIII COMMENT: Sat Sep 21 20:45:32 GMT 1996

Clouds have thinned enough to start observations.

Sat Sep 21 21:01:57 GMT 1996 dPMon Flat

Sat Sep 21 21:02:49 GMT 1996 dPMon End Flat

Sat Sep 21 21:04:16 GMT 1996 CHIP Bias

Sat Sep 21 21:05:22 GMT 1996 CHIP End Bias

Sat Sep 21 21:05:33 GMT 1996 CHIP Water

Sat Sep 21 21:06:08 GMT 1996 CHIP End Water

CHIP COMMENT: Sat Sep 21 21:25:16 GMT 1996

O1 ranaway, repointed.

MKIII COMMENT: Sat Sep 21 21:39:27 GMT 1996

Finally able to try a calibration.

MKIII COMMENT: Sat Sep 21 21:55:41 GMT 1996

Calibration ruined by clouds but I'll let it run through.

Sat Sep 21 22:01:51 GMT 1996 dPMon Flat

Sat Sep 21 22:02:43 GMT 1996 dPMon End Flat

Sat Sep 21 22:03:16 GMT 1996 CHIP Bias

Sat Sep 21 22:04:27 GMT 1996 CHIP End Bias

Sat Sep 21 22:04:35 GMT 1996 CHIP Water

Sat Sep 21 22:05:10 GMT 1996 CHIP End Water

CHIP COMMENT: Sat Sep 21 22:28:02 GMT 1996

O1 ranaway, repointing.

Sat Sep 21 23:01:53 GMT 1996 dPMon Flat

Sat Sep 21 23:02:45 GMT 1996 dPMon End Flat

LOW-L COMMENT: Sat Sep 21 22:52:48 GMT 1996

Tried all day to get data to write to either drive. Only 6 scans would be written before the screen would show error: mtwrite of data then the tape would pop out. This is probably the problem that Eric had with drdrive #0 twice this month. I had just cleaned drive #1 before trying to

start but neither drive would take beyond 6 scans. I tried dozens of different iterations but to make a long story short I cleaned the drives (2nd time for drive #1) and tried again, it popped out the tape from drive #0 but continued writing to drive #1. So I left the mislabeled tapes in their drives and relabeled them to be in order. I also cleaned drive #0 a second time then put the tape back in there. I'll talk to Exabyte about this problem on Monday, also not sure if the "Code Load Tape" worked for drive #0 since it didn't pop out as it should have. So data is apparently going to L00416 in drive #1 now.

Sat Sep 21 23:06:09 GMT 1996 CHIP Bias

Sat Sep 21 23:07:24 GMT 1996 CHIP End Bias

Sat Sep 21 23:07:34 GMT 1996 CHIP Water

Sat Sep 21 23:08:11 GMT 1996 CHIP End Water

MKIII COMMENT: Sat Sep 21 23:36:44 GMT 1996

reran calibration, no clouds but sky too noisy to do an activity on the data.

MKIII COMMENT: Sat Sep 21 23:41:57 GMT 1996
weep at 2340, will wait for afternoon clouds to clear, sky very noisy.

CHIP COMMENT: Sat Sep 21 23:48:16 GMT 1996
mic ran away in both y and x in clouds

CHIP COMMENT: Sat Sep 21 23:57:59 GMT 1996
x run away stopped before it got too far

Sun Sep 22 00:01:56 GMT 1996 dPMon Flat
Sun Sep 22 00:02:16 GMT 1996 CHIP Bias
Sun Sep 22 00:02:49 GMT 1996 dPMon End Flat
Sun Sep 22 00:03:25 GMT 1996 CHIP End Bias
Sun Sep 22 00:03:35 GMT 1996 CHIP Water
Sun Sep 22 00:04:17 GMT 1996 CHIP End Water

COMMENT: Sun Sep 22 00:11:17 GMT 1996
reconfigured dome door while in clouds between 0005 and 0010

CHIP COMMENT: Sun Sep 22 00:19:16 GMT 1996
in heavy clouds, have taken motor mics off remote and placed on local, will see ifdata hangs on fixcenetr indefinitely. This should be ok since there is no sun to guide the spar by.

Sun Sep 22 00:24:26 GMT 1996 dPMon End Patrol
DPMON COMMENT: Sun Sep 22 00:24:48 GMT 1996
stopped program at 0025, wait for conditions to improve

LOW-L COMMENT: Sun Sep 22 00:57:06 GMT 1996
noticed lowl went into night mode probably around 2400. In heavy clouds now so I will wait to try a fix.

COMMENT: Sun Sep 22 00:59:05 GMT 1996
all instruments on stadby with dome door closed, heavy cloud cover.

LOW-L COMMENT: Sun Sep 22 01:04:51 GMT 1996
tried a reset on the lowl but it still comes up in night mode.

LOW-L COMMENT: Sun Sep 22 01:59:05 GMT 1996
tried another reset after removing tapes still in night mode will wait until morning to see if there is any change. Still in heavy clouds, no data lost yet.

LOW-L COMMENT: Sun Sep 22 02:08:10 GMT 1996
0207 lowl woke up and came out of night mode, rotated for a while and is now pointed down and taking a bias. Just switched to velocity mode and rotated to sunrise position. Writing to tape drive 0 now, had been writing to tape drive 1 after Darryl got it stated again.

Sun Sep 22 02:18:56 GMT 1996 dPMon Start Patrol
COMMENT: Sun Sep 22 02:19:18 GMT 1996
0219 restart dpmon and CHIP too much cirrus for MKIII.

Sun Sep 22 02:21:05 GMT 1996 CHIP Bias
Sun Sep 22 02:22:25 GMT 1996 CHIP End Bias
Sun Sep 22 02:22:34 GMT 1996 CHIP Water
Sun Sep 22 02:23:16 GMT 1996 CHIP End Water

CHIP COMMENT: Sun Sep 22 02:20:14 GMT 1996
Came out of local and into remote on motor mics to have program continue. First image is a bad one that is headed for Boulder

CHIP COMMENT: Sun Sep 22 02:35:46 GMT 1996
run away in y direction, only thin cirrus

Sun Sep 22 02:37:41 GMT 1996 dPMon End Patrol
 DPMON COMMENT: Sun Sep 22 02:37:43 GMT 1996
 ending dpmon for the day, too much cirrus to get images with.
 CHIP COMMENT: Sun Sep 22 02:49:08 GMT 1996
 domed out, rotated by manual mode.
 Sun Sep 22 02:57:38 GMT 1996 dPMon Start Patrol
 DPMON COMMENT: Sun Sep 22 02:58:07 GMT 1996
 try run pmon again at 0258, no good, too may clouds
 LOW-L COMMENT: Sun Sep 22 02:59:11 GMT 1996
 the lowl thinks that the sun is in the east, appears that way in the target area.
 Sun Sep 22 03:01:01 GMT 1996 dPMon Flat
 Sun Sep 22 03:01:55 GMT 1996 dPMon End Flat
 Sun Sep 22 03:02:22 GMT 1996 dPMon End Patrol
 CHIP COMMENT: Sun Sep 22 03:02:09 GMT 1996
 motor mics ran away but there was no Boulder image sent until 0302, maybe that's normal.
 Sun Sep 22 03:04:21 GMT 1996 CHIP Bias
 Sun Sep 22 03:05:53 GMT 1996 CHIP End Bias
 Sun Sep 22 03:06:00 GMT 1996 CHIP Water
 Sun Sep 22 03:06:31 GMT 1996 CHIP End Water
 CHIP COMMENT: Sun Sep 22 03:12:57 GMT 1996
 run away in x
 CHIP COMMENT: Sun Sep 22 03:27:38 GMT 1996
 stop Chip at 0330
 Sun Sep 22 03:30:34 GMT 1996 CHIP CHIP End Patrol
 Sun Sep 22 03:31:18 GMT 1996 CHIP ending tape
 COMMENT: Sun Sep 22 03:36:40 GMT 1996
 activity report:
 QP: 45-65, 95-100, 122-138, 220-225
 no coronal activity seen due to clouds and poor sky conditions
 Tapes:
 Dpmon: p00715
 MKIII: H01394
 CHIP: C00132
 LowL: L00415, L00416, L00417
 SCAN-LOG
 SCAN-LOG 19:53:08. 9/21/96 DOY 265

20:49:22	20:52:36	20:55:48	20:59:01	21:02:14
21:05:27	21:08:40	21:11:53	21:15:05	21:18:19
21:21:31	21:24:44	21:27:57	21:31:10	21:34:23
21:37:37	2145 0 CL	21:51:16	2156 15CL	22:01:56
22:05:24	22:08:36	22:11:50	22:15:02	22:18:15
22:21:28	22:24:41	22:27:53	22:31:07	22:34:19
22:37:32	22:40:45	22:43:59	22:47:11	22:50:26
22:53:39	22:56:52	23:00:06	23:03:24	23:06:36
23:09:49	23:13:01	2317 0 CL	23:20:01	2324 15CL
23:29:03	23:33:09	23:36:21	23:39:34	

0 ERRORS
 OK