
Mauna Loa Solar Observatory Observer's Log

Fri Sep 27 16:30:16 GMT 1996
Year: 96 Doy: 271
Observer: yasukawa
WEATHER COMMENT: Fri Sep 27 16:30:19 GMT 1996
Cool, in thin, structured cirrus, light southwest wind.
Fri Sep 27 16:30:58 GMT 1996 CHIP Startup--Initializing new tape
COMMENT: Fri Sep 27 16:37:37 GMT 1996
No time correction necessary today, all clocks withing 0.5 sec of
WWVH time.
COMMENT: Fri Sep 27 16:39:05 GMT 1996
Waiting for sky tx to clear dome so guider can acquire and settle.
Fri Sep 27 16:42:07 GMT 1996 CHIP CHIP Start Patrol
Fri Sep 27 16:42:22 GMT 1996 dPMon Start Patrol
CHIP COMMENT: Fri Sep 27 16:53:23 GMT 1996
CHIP stalled. Only Status message is FixCenter. Doing Kill/Run to
attempt recovery.
Fri Sep 27 16:55:09 GMT 1996 CHIP CHIP End Patrol
DPMON COMMENT: Fri Sep 27 17:00:34 GMT 1996
Noticed that DPMON is stalled also, Program in sync...44.45.
Doing a Kill/Run cycle.
DPMON COMMENT: Fri Sep 27 17:00:34 GMT 1996
Noticed that DPMON is stalled also, Program in sync...44.45.
Doing a Kill/Run cycle.

Mauna Loa Solar Observatory Observer's Log

Fri Sep 27 17:17:25 GMT 1996
Year: 96 Doy: 271
Observer: yasukawa
Fri Sep 27 17:17:38 GMT 1996 CHIP Startup--Initializing new tape
Fri Sep 27 17:20:12 GMT 1996 CHIP CHIP Start Patrol
Fri Sep 27 17:20:35 GMT 1996 dPMon Start Patrol
COMMENT: Fri Sep 27 17:20:35 GMT 1996
Restarting Patrol after rebooting both nene and kii.
COMMENT: Fri Sep 27 17:22:55 GMT 1996
Oh, maybe the crashes are due to some software fixes David made
overnight- I just read email. Timing fix works great! Clock
was same as WWVH time.
COMMENT: Fri Sep 27 17:36:45 GMT 1996
CHIP and DPMON crashed again. Sent email to David regarding crashes.
Fri Sep 27 18:11:23 GMT 1996 CHIP CHIP Start Patrol

Mauna Loa Solar Observatory Observer's Log

Fri Sep 27 18:11:49 GMT 1996

Year: 96 Doy: 271
Observer: yasukawa
Fri Sep 27 18:15:21 GMT 1996 dPMon Start Patrol
DPMON COMMENT: Fri Sep 27 18:19:41 GMT 1996
David set software back to old stuff. Had some problem restarting,
but it may have been that I did not Kill the program properly
before restarting. Killed properly, Run.
Patrol is now going.
Fri Sep 27 18:25:58 GMT 1996 CHIP Startup--Initializing new tape
CHIP COMMENT: Fri Sep 27 18:26:40 GMT 1996
Restarting Chip program (Run).
Fri Sep 27 18:27:58 GMT 1996 CHIP CHIP Start Patrol
Fri Sep 27 18:32:16 GMT 1996 dPMon End Patrol
CHIP COMMENT: Fri Sep 27 18:31:44 GMT 1996
Hooray, chip is running.
Fri Sep 27 18:32:55 GMT 1996 dPMon Start Patrol
DPMON COMMENT: Fri Sep 27 18:33:45 GMT 1996
Domed out, fixed.
CHIP COMMENT: Fri Sep 27 18:34:19 GMT 1996
Loaded new Crunch routine into chip. End/Patrol cycle to pick it up.
Fri Sep 27 18:38:19 GMT 1996 CHIP CHIP End Patrol
Fri Sep 27 18:54:42 GMT 1996 CHIP CHIP Start Patrol
Fri Sep 27 19:02:53 GMT 1996 dPMon Flat
Fri Sep 27 19:03:45 GMT 1996 dPMon End Flat
Fri Sep 27 19:04:54 GMT 1996 CHIP Bias
Fri Sep 27 19:06:01 GMT 1996 CHIP End Bias
Fri Sep 27 19:06:08 GMT 1996 CHIP Water
Fri Sep 27 19:06:46 GMT 1996 CHIP End Water
CHIP COMMENT: Fri Sep 27 19:03:14 GMT 1996
David assessed that the problem this morning began with the new Crunch
routine not working, then after the reboot, Camera didn't work because
a chip_image file was not there--lost sometime in the past, and then the
tape drive got fussy, it wanted to be brushed AND flossed.
Network time program reloaded.
CHIP COMMENT: Fri Sep 27 19:20:31 GMT 1996
Display is wierd. Not getting an image. top 1/3 looks like
background and bottom 2/3 just looks strange.
WEATHER COMMENT: Fri Sep 27 19:30:47 GMT 1996
Sky looks clear, but loaf-of-bread trace looks a bit high yet.
DPMON COMMENT: Fri Sep 27 19:47:55 GMT 1996
epl at PA 77-90, RV 1.1
Fri Sep 27 20:02:01 GMT 1996 dPMon Flat
Fri Sep 27 20:02:56 GMT 1996 dPMon End Flat
DPMON COMMENT: Fri Sep 27 20:03:47 GMT 1996
epl at RV 1.15
Fri Sep 27 20:04:36 GMT 1996 CHIP Gain
CHIP COMMENT: Fri Sep 27 20:10:31 GMT 1996
CHIP stalled at Program -1000,-500, Optics Busy. Using Fixbusy to

kick start it.

Fri Sep 27 20:11:43 GMT 1996 CHIP End Gain

Fri Sep 27 20:11:52 GMT 1996 CHIP Bias

COMMENT: Fri Sep 27 20:16:22 GMT 1996

Reconfiguring dome shutter.

DPMON COMMENT: Fri Sep 27 20:24:54 GMT 1996

epl at PA 77-90 pau.

CHIP COMMENT: Fri Sep 27 20:36:10 GMT 1996

FixCenter runaway, centered manually.

COMMENT: Fri Sep 27 21:00:51 GMT 1996

Network is quite flaky, it gets slow, drops out, etc.

Fri Sep 27 21:02:01 GMT 1996 dPMon Flat

Fri Sep 27 21:02:56 GMT 1996 dPMon End Flat

CHIP COMMENT: Fri Sep 27 21:02:52 GMT 1996

Centering runaway, moved back manually.

Fri Sep 27 21:03:47 GMT 1996 CHIP Bias

Fri Sep 27 21:04:42 GMT 1996 CHIP End Bias

Fri Sep 27 21:04:50 GMT 1996 CHIP Water

Fri Sep 27 21:05:27 GMT 1996 CHIP End Water

MKIII COMMENT: Fri Sep 27 21:31:55 GMT 1996

CHAN 1 noise occurred after removing the compensator plates on DOY 96262.

We also fixed the 11/44 that day. Pixel info looks good in the

analog monitors so there are two possible scenarios...

11/44 repair is hosing the chan 1 data, or compensator plate removal is causing higher gain near some threshold.

With all the refocusing and stuff, we realized that the corrector table

is probably wrong for the current setup and could be the source of

the noise--pixel-to-pixel differences. We decided the least painful

step would be to correct chan 1 first.

MKIII COMMENT: Fri Sep 27 21:54:31 GMT 1996

Chan 1 correct pau,

PGA gain had to be changed from 9 to 8.

ALICE..... CHECK OUT CHAN 1 FOR THE NOISE AND LET US KNOW!

MKIII COMMENT: Fri Sep 27 21:56:51 GMT 1996

Displayed image looks weaker, will try putting PGA back to 9 after next scan.

WEATHER COMMENT: Fri Sep 27 21:58:49 GMT 1996

In thin cirrus.

MKIII COMMENT: Fri Sep 27 21:59:30 GMT 1996

Chan 1 CORONA looks quieter, albeit the sky is somewhat noisy.

Fri Sep 27 22:01:54 GMT 1996 dPMon Flat

Fri Sep 27 22:02:46 GMT 1996 dPMon End Flat

MKIII COMMENT: Fri Sep 27 22:05:06 GMT 1996

PGA gain for at chan 1 set to 9.

Fri Sep 27 22:06:36 GMT 1996 CHIP Bias

Fri Sep 27 22:07:38 GMT 1996 CHIP End Bias
 Fri Sep 27 22:07:47 GMT 1996 CHIP Water
 Fri Sep 27 22:08:25 GMT 1996 CHIP End Water
 MKIII COMMENT: Fri Sep 27 22:12:05 GMT 1996
 Some of the negative polarization on the image may be from the
 spar being too tight in the slot at this time of day.
 Sacrificing DPMON for now and moved MKIII fully into slot.
 Taking another diagnostic image.
 MKIII COMMENT: Fri Sep 27 22:23:15 GMT 1996
 Seems to be noisier at higher PGA gain. We will try another correct
 at
 PGA gain of 9.
 MKIII COMMENT: Fri Sep 27 22:38:48 GMT 1996
 Running correct again, this time we will not violate correct
 rules.
 Fri Sep 27 22:41:38 GMT 1996 CHIP CHIP End Patrol
 Fri Sep 27 22:43:31 GMT 1996 CHIP CHIP Start Patrol
 MKIII COMMENT: Fri Sep 27 22:49:04 GMT 1996
 Correct done. back to pga gain of 8.
 Fri Sep 27 22:49:34 GMT 1996 CHIP CHIP End Patrol
 Fri Sep 27 22:51:07 GMT 1996 CHIP CHIP Start Patrol
 Fri Sep 27 23:02:01 GMT 1996 dPMon Flat
 Fri Sep 27 23:02:57 GMT 1996 dPMon End Flat
 MKIII COMMENT: Fri Sep 27 23:03:16 GMT 1996
 Opal in scan.
 Fri Sep 27 23:04:09 GMT 1996 CHIP Bias
 Fri Sep 27 23:05:14 GMT 1996 CHIP End Bias
 Fri Sep 27 23:05:24 GMT 1996 CHIP Water
 Fri Sep 27 23:06:02 GMT 1996 CHIP End Water
 Fri Sep 27 23:12:36 GMT 1996 CHIP CHIP End Patrol
 Fri Sep 27 23:13:45 GMT 1996 CHIP CHIP Start Patrol
 MKIII COMMENT: Fri Sep 27 23:27:05 GMT 1996
 Correct done at PGA gain 1 all the way thru.
 MKIII COMMENT: Fri Sep 27 23:37:19 GMT 1996
 Taking data with pga at 9.
 COMMENT: Fri Sep 27 23:55:49 GMT 1996
 about 2330 orographic clouds in area
 Sat Sep 28 00:04:06 GMT 1996 dPMon Start Patrol
 Sat Sep 28 00:04:48 GMT 1996 CHIP Bias
 DPMON COMMENT: Sat Sep 28 00:04:34 GMT 1996
 Program was hung up, killed all tasks and started up again about 2400, in clouds
 Sat Sep 28 00:06:02 GMT 1996 CHIP End Bias
 Sat Sep 28 00:06:12 GMT 1996 CHIP Water
 MKIII COMMENT: Sat Sep 28 00:06:24 GMT 1996
 weep due to clouds
 Sat Sep 28 00:06:49 GMT 1996 CHIP End Water
 Sat Sep 28 01:01:59 GMT 1996 dPMon Flat
 Sat Sep 28 01:02:55 GMT 1996 dPMon End Flat

Sat Sep 28 01:05:01 GMT 1996 dPMon End Patrol

WEATHER COMMENT: Sat Sep 28 01:05:27 GMT 1996

In heavy orographic clouds. Stopping CHIP and DPMON.

Sat Sep 28 01:07:09 GMT 1996 CHIP Bias

Sat Sep 28 01:08:29 GMT 1996 CHIP End Bias

Sat Sep 28 01:08:44 GMT 1996 CHIP Water

Sat Sep 28 01:09:31 GMT 1996 CHIP End Water

WEATHER COMMENT: Sat Sep 28 01:58:53 GMT 1996

Orographic clouds beginning to break up. Reconfiguring dome,
then restarting obs.

CHIP COMMENT: Sat Sep 28 02:00:35 GMT 1996

CHIP patrol did not end after 01:09 request.

CHIP COMMENT: Sat Sep 28 02:02:18 GMT 1996

Selected Video to end CHIP and restart -- need to get an END/ABORT
window to stop this puppy at the end of the day.

Sat Sep 28 02:05:28 GMT 1996 dPMon Start Patrol

Sat Sep 28 02:05:45 GMT 1996 CHIP Bias

Sat Sep 28 02:07:10 GMT 1996 CHIP End Bias

Sat Sep 28 02:07:20 GMT 1996 CHIP Water

Sat Sep 28 02:07:59 GMT 1996 CHIP End Water

Sat Sep 28 02:09:04 GMT 1996 CHIP CHIP End Patrol

Sat Sep 28 02:09:58 GMT 1996 CHIP CHIP Start Patrol

WEATHER COMMENT: Sat Sep 28 02:21:31 GMT 1996

Back in heavy orographic clouds.

Calling it a day. Shutting down.

Sat Sep 28 02:22:26 GMT 1996 dPMon End Patrol

Sat Sep 28 02:22:30 GMT 1996 CHIP CHIP End Patrol

Sat Sep 28 02:23:19 GMT 1996 CHIP ending tape

COMMENT: Sat Sep 28 02:23:43 GMT 1996

Activity report:

QP: 124; 130; 225-232;

small epl: PA 77-90, RV to 1.15, from approx. 1947-2024 UT.

No coronal activity

Tapes: MKIII: H01397

DPMON: P00721

CHIP: C00138

LOWL: L00418

SCAN-LOG

SCAN-LOG 16:41:43. 9/27/96 DOY 271

16:46:52	16:50:05	16:53:19	16:56:32	16:59:45
17:02:58	17:06:11	17:09:22	17:12:35	17:15:46
17:18:58	17:22:09	17:25:22	17:28:34	17:31:47
17:34:58	17:38:12	17:41:24	17:44:37	17:47:49
17:51:03	17:54:15	17:57:29	18:00:41	18:03:55
18:07:08	18:10:22	18:13:35	18:16:48	18:20:01
18:23:15	18:26:27	18:29:41	18:32:53	18:36:06
18:39:18	18:42:32	18:45:44	18:48:57	18:52:08

18:55:21	18:58:33	19:01:46	19:04:57	19:08:10
19:11:21	19:14:34	19:17:46	19:21:00	19:24:13
19:27:30	19:30:41	19:33:54	19:37:06	19:40:19
19:43:31	19:46:44	19:49:57	19:53:12	19:56:26
19:59:44	20:02:56	20:06:10	20:09:22	20:12:36
20:15:48	20:25:17	20:28:30	2033 0 CL	20:37:05
2043 15CL	20:48:43	20:52:21	20:55:34	20:58:48
21:02:02	21:05:22	21:08:34	21:11:48	21:15:01
21:18:20	21:21:32	21:24:46	21:27:58	21:31:11
21:55:19	21:58:33	22:01:46	22:05:01	22:08:15
22:11:35	22:14:47	22:18:03	22:35:07	22:50:09
22:53:24	22:56:38	22:59:52	23:03:05	23:06:19
23:28:12	23:31:27	23:34:41	23:37:57	23:41:10
23:44:24	23:47:38	23:50:52	23:54:04	23:57:18
0:00:30	0:03:44	2:06:00	2:09:14	2:12:27
2:15:41	2:18:53	2:22:07		

0 ERRORS

OK