
Mauna Loa Solar Observatory Observer's Log

Wed Jan 29 17:26:18 GMT 1997

Year: 97 Doy: 029

Observer: yasukawa

WEATHER COMMENT: Wed Jan 29 17:26:38 GMT 1997

Cool, clear, brisk southwest wind.

Wed Jan 29 17:26:59 GMT 1997 CHIP Startup--Initializing new tape

Wed Jan 29 17:32:24 GMT 1997 dPMon Start Patrol

Wed Jan 29 17:32:46 GMT 1997 CHIP CHIP Start Patrol

CHIP COMMENT: Wed Jan 29 17:38:24 GMT 1997

Filter temperature at 37.959 in RED.

Wed Jan 29 18:03:00 GMT 1997 dPMon Flat

Wed Jan 29 18:03:03 GMT 1997 CHIP Bias

CHIP COMMENT: Wed Jan 29 18:03:07 GMT 1997

CHIP filter temp at 34.051, DARK BLUE.

Wed Jan 29 18:03:51 GMT 1997 CHIP End Bias

Wed Jan 29 18:03:56 GMT 1997 dPMon End Flat

Wed Jan 29 18:03:58 GMT 1997 CHIP Water

Wed Jan 29 18:04:29 GMT 1997 CHIP End Water

Wed Jan 29 19:02:11 GMT 1997 CHIP Bias

Wed Jan 29 19:02:54 GMT 1997 dPMon Flat

Wed Jan 29 19:03:02 GMT 1997 CHIP End Bias

Wed Jan 29 19:03:12 GMT 1997 CHIP Water

Wed Jan 29 19:03:49 GMT 1997 dPMon End Flat

Wed Jan 29 19:03:46 GMT 1997 CHIP End Water

CHIP COMMENT: Wed Jan 29 19:18:13 GMT 1997

CHIP temp 34.441 in WHITE

Wed Jan 29 20:01:01 GMT 1997 CHIP Gain

Wed Jan 29 20:02:58 GMT 1997 dPMon Flat

Wed Jan 29 20:03:53 GMT 1997 dPMon End Flat

Wed Jan 29 20:05:25 GMT 1997 CHIP End Gain

Wed Jan 29 20:05:33 GMT 1997 CHIP Bias

Wed Jan 29 20:06:13 GMT 1997 CHIP End Bias

Wed Jan 29 20:06:22 GMT 1997 CHIP Water

Wed Jan 29 20:06:50 GMT 1997 CHIP End Water

MKIII COMMENT: Wed Jan 29 20:13:40 GMT 1997

Stopping to do more work on chan 1.

MKIII COMMENT: Wed Jan 29 20:54:07 GMT 1997

Rotated S detector slightly CCW until waveform became more linear downward sawtooth. There was a upward excursion about midway.

P+S waveform has a hump in the middle now, but I did manage to CORRECT and get the light correction to flatten out the entire array and also put normal-looking values (no 077777s) in all the bins.

Taking data for a while.

WEATHER COMMENT: Wed Jan 29 20:59:06 GMT 1997

Sky is very noisy.

Wed Jan 29 21:02:05 GMT 1997 CHIP Bias
Wed Jan 29 21:02:56 GMT 1997 CHIP End Bias
Wed Jan 29 21:03:08 GMT 1997 dPMon Flat
Wed Jan 29 21:03:04 GMT 1997 CHIP Water
Wed Jan 29 21:03:35 GMT 1997 CHIP End Water
Wed Jan 29 21:04:04 GMT 1997 dPMon End Flat

MKIII COMMENT: Wed Jan 29 21:05:11 GMT 1997

Stopping again to try to get rid of hump in P+S.

Wed Jan 29 22:01:07 GMT 1997 CHIP Bias
Wed Jan 29 22:01:56 GMT 1997 CHIP End Bias
Wed Jan 29 22:02:05 GMT 1997 CHIP Water
Wed Jan 29 22:02:39 GMT 1997 CHIP End Water
Wed Jan 29 22:03:02 GMT 1997 dPMon Flat
Wed Jan 29 22:03:56 GMT 1997 dPMon End Flat

MKIII COMMENT: Wed Jan 29 22:19:01 GMT 1997

Tried a bunch of tweeks and things got worse before it got "better".
Re balanced/offset, CORRECTed and ran a fer scans to tape.

This time, CORRECT looked OK, except that gain correct profile was quite flat and negative going. Values in corrector table did not saturate out which is good. I can see streamers in displayed data. P+S monitor loaf-of-bread looks better than before.

Stopped to tighten things down and tidy up a bit.

MKIII COMMENT: Wed Jan 29 22:31:16 GMT 1997

P-S and PGA monitor traces got bigger after tightening down all screws. taking a scan then I will run correct again.

COMMENT: Wed Jan 29 22:33:01 GMT 1997

Spar got pushed out of alignment. repointed.

MKIII COMMENT: Wed Jan 29 22:51:10 GMT 1997

Touched up offset and balance on chan 1, then ran CORRECT again.

This time the gain profile looked very normal. CORRECT went well.

Taking data, but sky is very noisy.

I'm not sure what happens when one reads the corrector tables over the modem to the sparcstation, but the values I get are quite different from what displays on the 4105. Those values were different each time I corrected, but the values that got transferred remained the same for the two corrections that I tried to document. Nonetheless, there are no saturated (077777) pixels on either table. Let's run like this for a while. I will document the height mask test possibly tomorrow. I need to bask in this success a bit.

Wed Jan 29 23:03:10 GMT 1997 CHIP Bias
Wed Jan 29 23:03:55 GMT 1997 CHIP End Bias
Wed Jan 29 23:04:03 GMT 1997 CHIP Water

DPMON COMMENT: Wed Jan 29 23:03:46 GMT 1997

DPMON may have crashed sometime after the spar-jog incident.

Wed Jan 29 23:04:42 GMT 1997 CHIP End Water

DPMON COMMENT: Wed Jan 29 23:05:37 GMT 1997

Fixed with Cancel Wait.

Wed Jan 29 23:09:35 GMT 1997 dPMon End Patrol

WEATHER COMMENT: Wed Jan 29 23:10:05 GMT 1997

Scattered orographic clouds arrived upslope.

Wed Jan 29 23:13:35 GMT 1997 CHIP CHIP End Patrol

COMMENT: Wed Jan 29 23:10:47 GMT 1997

Activity report:

QP: 78; 100; 135; 220-240; 255; 280; 315-320;

No coronal activity

CHIP filter temp remained stable once it bounced around a bit
this morning.

Tapes: MKIII: H01483

DPMON: P00811

CHIP: C00228

LOWL: L00438

Wed Jan 29 23:14:06 GMT 1997 CHIP ending tape

SCAN-LOG

SCAN-LOG 17:33:00. 1/29/97 DOY 29

17:51:07	17:54:21	17:57:37	18:00:53	18:04:09
18:07:24	18:10:41	18:13:56	18:17:13	18:20:29
18:23:45	18:27:01	1831 0 CL	18:34:01	1845 15CL
18:53:33	18:59:59	19:03:13	19:06:27	19:09:40
19:12:56	19:16:09	19:19:27	19:22:40	19:25:54
19:29:06	19:32:20	19:35:33	19:38:47	19:41:59
19:45:13	19:48:25	19:51:43	19:54:55	19:58:08
20:01:20	20:04:34	20:07:46	20:11:01	20:53:11
20:56:24	20:59:38	21:02:50	22:09:08	22:12:21
22:15:33	22:30:55	22:47:12	22:50:26	22:53:38
22:56:52	23:00:05	23:03:19	23:06:32	

0 ERRORS

OK