

Mauna Loa Solar Observatory Observer's Log

Wed Apr 26 16:58:23 GMT 1995

Year: 95 Doy: 116

Observer: yasukawa console Apr 26 16:42

WEATHER COMMENT: Wed Apr 26 16:58:50 GMT 1995

Cold, thin cirrus to east, sun just about clearing it, south wind
25-30 mph, temp=39F.

DPMON COMMENT: Wed Apr 26 17:00:20 GMT 1995

late startup, one of the fans in the Plessey was very noisy and
was stalling. Removed covers and lubricated bearings to get it
running again. quiet now.

Wed Apr 26 17:07:41 GMT 1995: Patrol Start

DPMON COMMENT: Wed Apr 26 17:15:49 GMT 1995

Daystar runaway. Reset Plessey.

MKIII COMMENT: Wed Apr 26 17:24:36 GMT 1995

Coronal trace still noisy. Will try swapping analog corrector
boards today, starting with chan 0 memory board. Powering down
MKIII to do swap.

MKIII COMMENT: Wed Apr 26 17:31:29 GMT 1995

Swapped cards from chan 2 and chan 0.

Restarted to test.

MKIII COMMENT: Wed Apr 26 17:36:41 GMT 1995

Coronal scan is a lot quieter. Will run in this configuration
for a while to determine if fix wasn't caused by cycling of
power rather than the swap.

MKIII COMMENT: Wed Apr 26 17:45:06 GMT 1995

When there's smoke, there's fire... just noticed that chan 1
is flat. Looking into it.

MKIII COMMENT: Wed Apr 26 17:46:44 GMT 1995

Wow, it just came back up as I walked back over to the monitors.

Wed Apr 26 18:02:03 GMT 1995: Calibration

MKIII COMMENT: Wed Apr 26 18:04:44 GMT 1995
Stoope scan to check signals at DCSA.

COMMENT: Wed Apr 26 18:19:46 GMT 1995
Bumped spar while working on chan 1 problem. repointed.

COMMENT: Wed Apr 26 18:53:06 GMT 1995
Sorry, still pushing on spar and upsetting guiding while troubleshooting
chan1.

Wed Apr 26 19:01:55 GMT 1995: Calibration
Wed Apr 26 20:02:00 GMT 1995: Calibration

MKIII COMMENT: Wed Apr 26 20:05:58 GMT 1995
Guiding was hosed while I did some channel swapping on mkiii.
opened top of dome in the meantime, also.

MKIII COMMENT: Wed Apr 26 20:47:46 GMT 1995
Tried a number of swaps and concluded that the Line driver on
down are OK. I managed to get the loaf back on chan 3
by adjusting the balance and offset on chan 3 preamp. Offset
was very unstable and loaf on monitor jumps around a lot.

Wed Apr 26 21:01:55 GMT 1995: Calibration

MKIII COMMENT: Wed Apr 26 21:04:47 GMT 1995
Offset is common mode so P-S is stable in Ch1. Looked at PCOM
in relation to case and did not see any offsets.

MKIII COMMENT: Wed Apr 26 21:34:19 GMT 1995
Swapped preamps 3 and 5, op chan 3 and 5 respectively, and after
adjusting the offset and balance, I got the same offset instability.

MKIII COMMENT: Wed Apr 26 21:46:19 GMT 1995
Tried swapping P detectors from op chan 3 with op chan 4.
Found a piece of aluminized tape or shim material in op chan 3
detector holder along 2/5 of ledge. Not sure why it was there
and why it was not either all the way around, or applied equally
to either sides. Removed it.

Wed Apr 26 22:02:02 GMT 1995: Calibration
Wed Apr 26 22:07:05 GMT 1995: Patrol End

MKIII COMMENT: Wed Apr 26 22:50:26 GMT 1995

Unstable offset cause was found to be poor connection at corcom filter on the back of the wrap-up. Removed connections and inspected for broken wires and then reseated the connectors. P+S trace as well as offset stable. Swapped detectors back to original channels. Preamps still swapped, will restore them next. We may have to realign chan 1 as P+S and P-S profiles are now different.

MKIII COMMENT: Wed Apr 26 23:25:50 GMT 1995

Preamps swapped back to starting configuration, OP chan3 has preamp #3 installed. Adjusted rotation of P detector until P+S and P-S looked its best. Restored all covers, screws, etc. Will probably need to do a mask scan to document any change in height, although S detector was not moved. Also will probably need to do a correct on channel 1.

MKIII COMMENT: Wed Apr 26 23:39:37 GMT 1995

running scans with mask and opal in place to document any height changes that may have occurred by removing the channel 1 (OP3) P detector.

Wed Apr 26 23:43:06 GMT 1995: Patrol Start

WEATHER COMMENT: Wed Apr 26 23:48:03 GMT 1995

Wind is buffeting the spar quite a bit.

MKIII COMMENT: Wed Apr 26 23:56:32 GMT 1995

Removed mask, commencing correction to chan 1.

Thu Apr 27 00:01:57 GMT 1995: Calibration

MKIII COMMENT: Thu Apr 27 00:06:53 GMT 1995

CORRECT pau.

Thu Apr 27 00:28:05 GMT 1995: Patrol End

Thu Apr 27 00:28:28 GMT 1995: Filemark

COMMENT: Wed April 26 00:34:26 GMT 1995

Activity Report:

QP: 50-55; 105; 223; 244; 252; 285-292; 300-308;

No coronal activity noticed.

TAPES: MKIII: H01017

DPMON: P00338

LOWL: L00226

SCAN-LOG

SCAN-LOG 17:10:53. 4/26/95 DOY 116

17:18:45	17:21:58	17:25:15	17:31:41	17:34:56
17:38:14	17:41:31	17:44:52	17:48:08	17:51:24
17:54:38	17:57:54	23:26:04	23:29:17	23:40:36
23:43:49	23:47:01	0:08:08	0:11:20	0:14:31
0:17:43	0:20:53	0:24:06	0:27:18	0:30:33
0:33:44	0:36:56			

0 ERRORS

OK