
Mauna Loa Solar Observatory Observer's Log

Tue Oct 27 16:32:18 GMT 1998

Year: 98 Doy: 300

Observer: yasukawa

Tue Oct 27 16:34:25 GMT 1998 CHIP Startup--Initializing new tape

WEATHER COMMENT: Tue Oct 27 16:34:35 GMT 1998

Cool, clear, brisk southeast wind.

Tue Oct 27 16:49:46 GMT 1998 PICS Start Patrol

Tue Oct 27 16:49:54 GMT 1998 CHIP CHIP Start Patrol

Tue Oct 27 17:02:38 GMT 1998 PICS Flat

Tue Oct 27 17:02:51 GMT 1998 CHIP Bias

Tue Oct 27 17:03:41 GMT 1998 CHIP End Bias

Tue Oct 27 17:03:49 GMT 1998 CHIP Water

Tue Oct 27 17:04:08 GMT 1998 PICS End Flat

Tue Oct 27 17:04:26 GMT 1998 CHIP End Water

Tue Oct 27 17:07:39 GMT 1998 MKIII Start Patrol

Tue Oct 27 17:18:05 GMT 1998 MKIII Start Correct

Tue Oct 27 17:19:19 GMT 1998 MKIII End Correct

Tue Oct 27 17:20:31 GMT 1998 MKIII End Correct

Tue Oct 27 17:22:32 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Tue Oct 27 17:23:59 GMT 1998

Attempt to run MkIII and MkIV up until calibration
without touching anything.

MkIV correct is poor for elevated heights and a ring
almost that high.

Gains will be valid for today only on MkIV

Tue Oct 27 17:31:24 GMT 1998 MKIII Start Patrol

PSPT PROBLEM: Tue Oct 27 17:42:22 GMT 1998

PSPT still pointing to wrong place, looks like it is pointing an hour
ahead. Haosheng emailed that he'd call sometime today to work on the
problem.

Tue Oct 27 17:58:10 GMT 1998 MKIII Start Patrol

Tue Oct 27 18:01:50 GMT 1998 CHIP Bias

Tue Oct 27 18:02:36 GMT 1998 PICS Flat

Tue Oct 27 18:02:42 GMT 1998 CHIP End Bias

Tue Oct 27 18:02:53 GMT 1998 CHIP Water

Tue Oct 27 18:03:30 GMT 1998 CHIP End Water

Tue Oct 27 18:04:05 GMT 1998 PICS End Flat

MKIII COMMENT: Tue Oct 27 18:09:54 GMT 1998

MkIII loss of pixel sync 18_01 and 18_04

MKIII COMMENT: Tue Oct 27 18:10:28 GMT 1998

between 17_50 and 17_58 full scans were restored.

previously the first azimuths were missing from
the data set

Tue Oct 27 18:24:37 GMT 1998 MKIII Start Cal

Tue Oct 27 18:45:12 GMT 1998 MKIII End Cal

Tue Oct 27 18:49:11 GMT 1998 MKIII Start Correct
Tue Oct 27 18:50:23 GMT 1998 MKIII End Correct
Tue Oct 27 18:51:14 GMT 1998 MKIII Start Correct
Tue Oct 27 18:52:22 GMT 1998 MKIII End Correct
Tue Oct 27 18:53:19 GMT 1998 MKIII Start Correct
Tue Oct 27 18:58:59 GMT 1998 MKIII End Correct
Tue Oct 27 19:00:13 GMT 1998 MKIII Start Correct
Tue Oct 27 19:00:56 GMT 1998 CHIP Bias
Tue Oct 27 19:01:45 GMT 1998 MKIII End Correct
Tue Oct 27 19:01:51 GMT 1998 CHIP End Bias
Tue Oct 27 19:02:04 GMT 1998 CHIP Water
Tue Oct 27 19:02:35 GMT 1998 PICS Flat
Tue Oct 27 19:02:45 GMT 1998 CHIP End Water
Tue Oct 27 19:03:52 GMT 1998 MKIII Start Correct
Tue Oct 27 19:04:04 GMT 1998 PICS End Flat
Tue Oct 27 19:09:40 GMT 1998 MKIII End Correct
Tue Oct 27 19:09:56 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Tue Oct 27 19:10:10 GMT 1998

Did correct on MkIV and MkIII.
Calibration no longer applies.

Tue Oct 27 19:23:03 GMT 1998 MKIII Start Correct
Tue Oct 27 19:28:49 GMT 1998 MKIII End Correct
Tue Oct 27 19:32:24 GMT 1998 MKIII Start Correct
Tue Oct 27 19:38:05 GMT 1998 MKIII End Correct
Tue Oct 27 19:38:19 GMT 1998 MKIII Start Correct
Tue Oct 27 19:39:54 GMT 1998 MKIII End Correct
Tue Oct 27 20:02:41 GMT 1998 PICS Flat
Tue Oct 27 20:02:58 GMT 1998 MKIII Start Correct
Tue Oct 27 20:02:55 GMT 1998 CHIP Gain
Tue Oct 27 20:04:07 GMT 1998 PICS End Flat
Tue Oct 27 20:07:35 GMT 1998 CHIP End Gain
Tue Oct 27 20:07:45 GMT 1998 CHIP Bias
Tue Oct 27 20:08:37 GMT 1998 CHIP End Bias
Tue Oct 27 20:08:47 GMT 1998 CHIP Water
Tue Oct 27 20:09:22 GMT 1998 CHIP End Water

CHIP COMMENT: Tue Oct 27 20:10:09 GMT 1998

Stopping CHIP to run some focus tests.

Tue Oct 27 20:10:58 GMT 1998 MKIII Start Correct
Tue Oct 27 20:12:27 GMT 1998 CHIP CHIP End Patrol
Tue Oct 27 20:19:07 GMT 1998 MKIII Start Correct
Tue Oct 27 20:32:09 GMT 1998 MKIII Start Correct
Tue Oct 27 20:37:51 GMT 1998 MKIII End Correct
Tue Oct 27 20:42:36 GMT 1998 MKIII Start Correct
Tue Oct 27 20:49:15 GMT 1998 MKIII Start Correct
Tue Oct 27 20:55:55 GMT 1998 MKIII Start Correct
Tue Oct 27 21:01:10 GMT 1998 MKIII Start Correct
Tue Oct 27 21:02:34 GMT 1998 PICS Flat
Tue Oct 27 21:03:59 GMT 1998 PICS End Flat

Tue Oct 27 21:05:01 GMT 1998 MKIII Start Correct
 Tue Oct 27 21:07:41 GMT 1998 MKIII End Correct
 Tue Oct 27 21:08:49 GMT 1998 MKIII Start Patrol
 Tue Oct 27 21:09:51 GMT 1998 MKIII End Patrol
 CHIP COMMENT: Tue Oct 27 21:24:13 GMT 1998
 Ran CHIP focus. Focus micrometer was at 21500.
 The test indicated a better position of 20750.
 Today resolution was 11 - 13 arc-sec now 9 arc-sec
 Tue Oct 27 21:25:32 GMT 1998 MKIII Start Correct
 Tue Oct 27 21:26:16 GMT 1998 MKIII End Correct
 Tue Oct 27 21:26:25 GMT 1998 MKIII Start Correct
 Tue Oct 27 21:29:04 GMT 1998 MKIII End Correct
 Tue Oct 27 21:34:46 GMT 1998 MKIII Start Correct
 Tue Oct 27 21:37:32 GMT 1998 MKIII End Correct
 Tue Oct 27 21:40:14 GMT 1998 MKIII Start Correct
 Tue Oct 27 21:42:54 GMT 1998 MKIII End Correct
 Tue Oct 27 21:56:43 GMT 1998 CHIP CHIP Start Patrol
 Tue Oct 27 21:59:09 GMT 1998 MKIII Start Correct
 Tue Oct 27 22:01:34 GMT 1998 MKIII End Correct
 Tue Oct 27 22:02:41 GMT 1998 PICS Flat
 Tue Oct 27 22:02:59 GMT 1998 CHIP Bias
 Tue Oct 27 22:03:50 GMT 1998 CHIP End Bias
 Tue Oct 27 22:04:01 GMT 1998 CHIP Water
 Tue Oct 27 22:04:15 GMT 1998 PICS End Flat
 Tue Oct 27 22:04:35 GMT 1998 CHIP End Water
 Tue Oct 27 22:08:58 GMT 1998 MKIII Start Correct
 Tue Oct 27 22:14:40 GMT 1998 MKIII End Correct
 Tue Oct 27 22:14:44 GMT 1998 PICS End Patrol
 PICS COMMENT: Tue Oct 27 22:16:30 GMT 1998
 PICS stopped to do spectrum test.
 Tue Oct 27 22:22:46 GMT 1998 MKIII Start Correct
 Tue Oct 27 22:28:30 GMT 1998 MKIII End Correct
 Tue Oct 27 22:31:09 GMT 1998 PICS Start Patrol
 PICS COMMENT: Tue Oct 27 22:35:25 GMT 1998
 Current spectral position
 Tue Oct 27 22:35:35 GMT 1998 PICS End Patrol
 PICS COMMENT: Tue Oct 27 22:45:20 GMT 1998
 Halle set at .25 rotated all the way clockwise.
 Tue Oct 27 22:49:57 GMT 1998 MKIII Start Correct
 PICS PROBLEM Tue Oct 27 22:53:00 GMT 1998
 Crashed, I am ending the tape P01327 and loading another (P01238)
 then will do a Kill/Run cycle to recover. Then we will resume the
 spectrum test.
 Tue Oct 27 22:57:21 GMT 1998 MKIII End Correct
 Tue Oct 27 23:01:52 GMT 1998 CHIP Bias
 PICS COMMENT: Tue Oct 27 23:02:30 GMT 1998
 Running the .25 loop.
 Tue Oct 27 23:02:42 GMT 1998 CHIP End Bias

Tue Oct 27 23:02:42 GMT 1998 CHIP End Bias
Tue Oct 27 23:02:52 GMT 1998 CHIP Water
Tue Oct 27 23:03:27 GMT 1998 CHIP End Water
Tue Oct 27 23:04:44 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:05:25 GMT 1998
Moving filter from .25 to .20 CCW and taking Patrol loop.
Tue Oct 27 23:06:23 GMT 1998 MKIII Start Correct
Tue Oct 27 23:06:28 GMT 1998 PICS Start Patrol
Tue Oct 27 23:07:46 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:08:15 GMT 1998
Moving filter from .20 to .15 CCW and taking a Patrol loop.
Tue Oct 27 23:09:02 GMT 1998 PICS Start Patrol
Tue Oct 27 23:10:19 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:10:42 GMT 1998
Moving filter from .15 to .10 CCW and taking a Patrol loop.
Tue Oct 27 23:11:36 GMT 1998 PICS Start Patrol
Tue Oct 27 23:12:06 GMT 1998 MKIII End Correct
Tue Oct 27 23:12:52 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:13:12 GMT 1998
Movinf filter from .10 to .05 CCW and taking a Patrol loop.
Tue Oct 27 23:14:00 GMT 1998 PICS Start Patrol
Tue Oct 27 23:15:15 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:15:37 GMT 1998
Miving filter from .05 to .00 CCW and taking a Patrol loop.
Tue Oct 27 23:16:34 GMT 1998 PICS Start Patrol
PICS COMMENT: Tue Oct 27 23:17:02 GMT 1998
Moving the filter from .00 to .05 (red, I think) and taking a Patrol loop.
Tue Oct 27 23:19:50 GMT 1998 PICS Start Patrol
PICS COMMENT: Tue Oct 27 23:20:26 GMT 1998
We've been changing the filter from .25 blue (we think) thru
00 and then continuing CCW to red past 00.
ol
PICS COMMENT: Tue Oct 27 23:21:49 GMT 1998
Moving filter from .05 to .10 CCW and taking a Patrol loop.
Tue Oct 27 23:22:37 GMT 1998 PICS Start Patrol
Tue Oct 27 23:23:54 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:24:21 GMT 1998
Moving filter from .10 to .15 CCW and taking a Patrol loop.
Tue Oct 27 23:25:04 GMT 1998 PICS Start Patrol
Tue Oct 27 23:26:21 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:26:48 GMT 1998
Moving filter from .15 to .20 CCW and taking a Patrol loop.
Tue Oct 27 23:27:36 GMT 1998 PICS Start Patrol
Tue Oct 27 23:28:52 GMT 1998 PICS End Patrol
PICS COMMENT: Tue Oct 27 23:29:15 GMT 1998
Moving the filter from .20 to .25 CCW and taking a Patrol loop.
Tue Oct 27 23:29:58 GMT 1998 PICS Start Patrol
Tue Oct 27 23:31:14 GMT 1998 PICS End Patrol

PICS COMMENT: Tue Oct 27 23:33:16 GMT 1998
Repeating .10 red, CW from last position (.25 red).
Tue Oct 27 23:36:56 GMT 1998 PICS Start Patrol
Tue Oct 27 23:38:15 GMT 1998 PICS End Patrol
Tue Oct 27 23:55:09 GMT 1998 MKIII Start Correct
PICS COMMENT: Tue Oct 27 23:56:18 GMT 1998
Leaving filter at .10 red. It was previously set at 00 until tests.
New setting is CCW from original setting.
PICS COMMENT: Tue Oct 27 23:59:08 GMT 1998
Continuing observations, spectrum test pau.
Wed Oct 28 00:00:48 GMT 1998 CHIP Bias
Wed Oct 28 00:01:42 GMT 1998 CHIP End Bias
Wed Oct 28 00:01:50 GMT 1998 CHIP Water
Wed Oct 28 00:02:26 GMT 1998 CHIP End Water
Wed Oct 28 00:05:54 GMT 1998 MKIII Start Patrol
PICS PROBLEM: Wed Oct 28 00:30:23 GMT 1998
PICS crashed initializing. Never started Patrol.
Shutting it down.
Wed Oct 28 00:32:46 GMT 1998 PICS Start Patrol
MKIII COMMENT: Wed Oct 28 00:51:46 GMT 1998
We looked at MKIII and MKIV in the afternoon when the sky was fairly
noisy and there was a remarkable difference in the quality of the
corona and sky. The MKIV images had very quiet background and none of
the barber-pole/radial streaks present where the MKIII image was
quite mottled and several streaks were present.
LOW-L PROBLEM: Wed Oct 28 00:57:02 GMT 1998
LOWL crashed at 2246. Unloading L00551 from drive 0, moving L00552
from drive 1 to drive 0, loading L00553 into drive 1, and
restarting LOWL.
COMMENT: Wed Oct 28 00:59:56 GMT 1998
Tapes:
PICS: P01327 (data) and P01328 (Spectrum test)
CHIP: C00713
LOWL: L00551 in drive 0, L00552 in drive 0
MKIII COMMENT: Wed Oct 28 01:06:30 GMT 1998
David will continue working on MKIV after we shut down and close out
the log.
Wed Oct 28 01:11:28 GMT 1998 MKIII End Patrol
Wed Oct 28 01:12:27 GMT 1998
MkIII

00_05.rawmk3	00_38.rawmk3	17_07.rawmk3	17_58.rawmk3	18_41.rawmk3
00_09.rawmk3	00_42.rawmk3	17_10.rawmk3	18_01.rawmk3	19_39.rawmk3
00_12.rawmk3	00_45.rawmk3	17_22.rawmk3	18_04.rawmk3	19_43.rawmk3
00_15.rawmk3	00_48.rawmk3	17_31.rawmk3	18_08.rawmk3	19_46.rawmk3
00_19.rawmk3	00_51.rawmk3	17_34.rawmk3	18_11.rawmk3	19_49.rawmk3
00_22.rawmk3	00_55.rawmk3	17_37.rawmk3	18_14.rawmk3	19_53.rawmk3
00_25.rawmk3	00_58.rawmk3	17_40.rawmk3	18_18.rawmk3	23_56.rawmk3

00_28.rawmk3	01_01.rawmk3	17_44.rawmk3	18_21.rawmk3	c18_24.rawmk3
00_32.rawmk3	01_04.rawmk3	17_47.rawmk3	18_28.rawmk3	c18_31.rawmk3
00_35.rawmk3	01_08.rawmk3	17_50.rawmk3	18_34.rawmk3	c18_38.rawmk3