
Mauna Loa Solar Observatory Observer's Log

Mon Apr 26 16:29:57 GMT 1999

Year: 99 Doy: 116

Observer: yasukawa

WEATHER COMMENT: Mon Apr 26 16:33:22 GMT 1999

Cool, clear, light southeast wind. Sky bright this morning.

Mon Apr 26 16:34:24 GMT 1999 CHIP Startup--Initializing new tape

Mon Apr 26 16:42:31 GMT 1999 PICS Start Patrol

Mon Apr 26 16:42:57 GMT 1999 MKIII Start Patrol

Mon Apr 26 16:42:57 GMT 1999 CHIP CHIP Start Patrol

CHIP PROBLEM Mon Apr 26 16:48:54 GMT 1999

Forgot to initialize CHIP tape first, Restarting.

Mon Apr 26 16:49:21 GMT 1999 CHIP CHIP End Patrol

Mon Apr 26 16:50:19 GMT 1999 CHIP ending tape

Mon Apr 26 16:52:23 GMT 1999 CHIP Startup--Initializing new tape

Mon Apr 26 16:55:39 GMT 1999 CHIP CHIP Start Patrol

Mon Apr 26 17:01:37 GMT 1999 PICS Flat

Mon Apr 26 17:01:52 GMT 1999 CHIP Bias

Mon Apr 26 17:03:07 GMT 1999 PICS End Flat

Mon Apr 26 17:03:07 GMT 1999 PICS End Flat

Mon Apr 26 17:03:24 GMT 1999 CHIP Water

Mon Apr 26 17:04:11 GMT 1999 CHIP End Water

Mon Apr 26 17:42:06 GMT 1999 PICS End Patrol

PICS COMMENT: Mon Apr 26 17:42:21 GMT 1999

Attempting to tweek PICS focus by moving the collimating lens.

Stopping data acquisition.

Mon Apr 26 17:49:48 GMT 1999 PICS Start Patrol

Mon Apr 26 18:00:37 GMT 1999 PICS Flat

Mon Apr 26 18:01:47 GMT 1999 CHIP Bias

Mon Apr 26 18:02:12 GMT 1999 PICS End Flat

Mon Apr 26 18:02:45 GMT 1999 CHIP End Bias

Mon Apr 26 18:02:59 GMT 1999 CHIP Water

Mon Apr 26 18:03:59 GMT 1999 MKIII Start Cal

Mon Apr 26 18:03:41 GMT 1999 CHIP End Water

Mon Apr 26 18:09:30 GMT 1999 PICS End Patrol

Mon Apr 26 18:11:47 GMT 1999 PICS Start Patrol

Mon Apr 26 18:18:29 GMT 1999 PICS End Patrol

Mon Apr 26 18:21:01 GMT 1999 PICS Start Patrol

Mon Apr 26 18:25:08 GMT 1999 MKIII End Cal

Mon Apr 26 18:25:43 GMT 1999 MKIII Start Correct

MKIII COMMENT: Mon Apr 26 18:26:25 GMT 1999

Running CORRECT on MKIII

Mon Apr 26 18:31:37 GMT 1999 MKIII End Correct

Mon Apr 26 18:32:48 GMT 1999 MKIII Start Correct

Mon Apr 26 18:38:34 GMT 1999 MKIII End Correct

Mon Apr 26 18:40:56 GMT 1999 PICS End Patrol

Mon Apr 26 18:41:41 GMT 1999 PICS Start Patrol
 Mon Apr 26 18:48:22 GMT 1999 MKIII Start Correct
 Mon Apr 26 18:54:07 GMT 1999 MKIII End Correct
 Mon Apr 26 18:55:14 GMT 1999 MKIII Start Patrol
 Mon Apr 26 19:00:39 GMT 1999 PICS Flat
 Mon Apr 26 19:01:53 GMT 1999 CHIP Bias
 Mon Apr 26 19:02:20 GMT 1999 PICS End Flat
 Mon Apr 26 19:03:01 GMT 1999 CHIP End Bias
 Mon Apr 26 19:03:21 GMT 1999 CHIP Water
 Mon Apr 26 19:04:05 GMT 1999 CHIP End Water
 Mon Apr 26 19:08:53 GMT 1999 MKIII End Patrol
 MKIII PROBLEM : Mon Apr 26 19:20:56 GMT 1999
 Found a broken +V wire to corcom filter (22VDC to analog). Resoldered it.
 MKIII PROBLEM : Mon Apr 26 19:24:22 GMT 1999
 Swapped AN2 card (MDACs) to see if we can get rid of "shelf" on gain correct.
 Mon Apr 26 19:25:38 GMT 1999 MKIII Start Correct
 Mon Apr 26 19:31:28 GMT 1999 MKIII End Correct
 Mon Apr 26 19:31:38 GMT 1999 MKIII Start Correct
 Mon Apr 26 19:37:21 GMT 1999 MKIII End Correct
 MKIII PROBLEM : Mon Apr 26 19:42:09 GMT 1999
 Swapped AN2 cards back, swapped corrector memory boards.
 Mon Apr 26 19:43:02 GMT 1999 MKIII Start Correct
 Mon Apr 26 19:48:46 GMT 1999 MKIII End Correct
 Mon Apr 26 19:49:00 GMT 1999 MKIII Start Correct
 Mon Apr 26 19:54:42 GMT 1999 MKIII End Correct
 Mon Apr 26 19:55:09 GMT 1999 MKIII Start Patrol
 MKIII PROBLEM : Mon Apr 26 19:55:17 GMT 1999
 Analog corrector memory board swap produced a good gain correct profile
 on the second run.
 Mon Apr 26 20:00:31 GMT 1999 PICS Flat
 Mon Apr 26 20:02:01 GMT 1999 MKIII End Patrol
 Mon Apr 26 20:02:06 GMT 1999 MKIII Start Correct
 Mon Apr 26 20:01:42 GMT 1999 CHIP Gain
 Mon Apr 26 20:02:05 GMT 1999 PICS End Flat
 Mon Apr 26 20:06:58 GMT 1999 CHIP End Gain
 Mon Apr 26 20:07:05 GMT 1999 PICS End Patrol
 Mon Apr 26 20:07:15 GMT 1999 CHIP Bias
 Mon Apr 26 20:07:57 GMT 1999 MKIII End Correct
 Mon Apr 26 20:08:08 GMT 1999 MKIII Start Patrol
 Mon Apr 26 20:07:57 GMT 1999 PICS Start Patrol
 Mon Apr 26 20:08:14 GMT 1999 CHIP End Bias
 Mon Apr 26 20:08:30 GMT 1999 CHIP Water
 Mon Apr 26 20:09:16 GMT 1999 CHIP End Water
 COMMENT: Mon Apr 26 20:21:11 GMT 1999
 Need to reconfigure dome shutter. Stopping.
 Mon Apr 26 20:21:47 GMT 1999 MKIII End Patrol
 Mon Apr 26 20:21:34 GMT 1999 PICS End Patrol
 Mon Apr 26 20:21:53 GMT 1999 CHIP CHIP End Patrol

Mon Apr 26 20:27:28 GMT 1999 MKIII Start Patrol
Mon Apr 26 20:27:38 GMT 1999 CHIP CHIP Start Patrol
Mon Apr 26 20:27:38 GMT 1999 CHIP CHIP Start Patrol

MKIII PROBLEM : Mon Apr 26 20:33:10 GMT 1999

Gain correct step kept moving inward, but the amplitude of the step became greater in relation to the overall amplitude increasing its contrast in the display image. We decided that the contrast is not as apparent if the step occurs further out in the corona. We decided to take the first correct anc copy it into the cortab0.current and call that good.

Scan looks good at high gain throughout the height.

Mon Apr 26 20:40:57 GMT 1999 MKIII End Patrol
Mon Apr 26 20:44:20 GMT 1999 MKIII Start Patrol
Mon Apr 26 20:51:12 GMT 1999 MKIII Start Cal
Mon Apr 26 21:00:49 GMT 1999 CHIP Bias
Mon Apr 26 21:01:41 GMT 1999 PICS Flat
Mon Apr 26 21:01:49 GMT 1999 CHIP End Bias
Mon Apr 26 21:02:07 GMT 1999 CHIP Water
Mon Apr 26 21:02:51 GMT 1999 CHIP End Water
Mon Apr 26 21:03:21 GMT 1999 PICS End Flat
Mon Apr 26 21:12:18 GMT 1999 MKIII Start Patrol
Mon Apr 26 21:19:03 GMT 1999 MKIII End Patrol

MKIII PROBLEM : Mon Apr 26 21:22:45 GMT 1999

Outer ring of hosed pixels are still present in all of the post-correct attempt coronal scans. Trying an AN2 swap again and taking coronal data with a different set of MDACs.

Mon Apr 26 21:24:07 GMT 1999 MKIII Start Patrol
Mon Apr 26 21:30:51 GMT 1999 MKIII End Patrol
Mon Apr 26 21:33:41 GMT 1999 MKIII Start Patrol
Mon Apr 26 21:40:25 GMT 1999 MKIII End Patrol

MKIII PROBLEM : Mon Apr 26 21:41:43 GMT 1999

Swapped AN4 with spare. (A/D converters). Ring still there.
May be that we have pixels that are finally dying on our last good Reticon array set.

Mon Apr 26 21:50:30 GMT 1999 MKIII Start Patrol
Mon Apr 26 21:57:15 GMT 1999 MKIII End Patrol
Mon Apr 26 21:58:09 GMT 1999 MKIII Start Correct
Mon Apr 26 22:00:47 GMT 1999 CHIP Bias
Mon Apr 26 22:01:47 GMT 1999 CHIP End Bias
Mon Apr 26 22:01:47 GMT 1999 CHIP End Bias
Mon Apr 26 22:02:05 GMT 1999 CHIP Water
Mon Apr 26 22:02:49 GMT 1999 CHIP End Water
Mon Apr 26 22:03:21 GMT 1999 PICS End Flat
Mon Apr 26 22:03:59 GMT 1999 MKIII End Correct
Mon Apr 26 22:05:32 GMT 1999 MKIII Start Patrol

MKIII PROBLEM : Mon Apr 26 22:19:43 GMT 1999

Swapped out all the appropriate hardware and ran numerous corrects and calibrations to try to eliminate the outer ring to no avail. There may be contamination on the detectors but that would involve removal to

inspect and all alignment will be lost in doing so. At this point in the ACOS program, that would not be an option. We decided to live with the ring as it occurs in a region that is well covered by the MKIV.

Mon Apr 26 22:24:06 GMT 1999 PICS End Patrol
Mon Apr 26 22:24:20 GMT 1999 CHIP CHIP End Patrol
Mon Apr 26 22:25:11 GMT 1999 CHIP ending tape

COMMENT: Mon Apr 26 22:25:48 GMT 1999

Stopping observations so David can get into the software and Kim and Eric can secure the spar to do the H-alpha lamp test on PICS.

COMMENT: Mon Apr 26 22:26:39 GMT 1999

Tapes:

MKIV: 99-116

PICS: P01422

CHIP: C00834

LOWL: L00595

Mon Apr 26 22:31:22 GMT 1999

MkIII

16_43.rawmk3	17_30.rawmk3	18_58.rawmk3	20_47.rawmk3	22_12.rawmk3
16_46.rawmk3	17_33.rawmk3	19_02.rawmk3	20_54.rawmk3	22_15.rawmk3
16_49.rawmk3	17_37.rawmk3	19_05.rawmk3	21_01.rawmk3	22_19.rawmk3
16_53.rawmk3	17_40.rawmk3	19_55.rawmk3	21_08.rawmk3	22_22.rawmk3
16_56.rawmk3	17_43.rawmk3	19_58.rawmk3	21_12.rawmk3	c18_04.rawmk3
17_00.rawmk3	17_47.rawmk3	20_08.rawmk3	21_15.rawmk3	c18_11.rawmk3
17_03.rawmk3	17_50.rawmk3	20_11.rawmk3	21_24.rawmk3	c18_18.rawmk3
17_06.rawmk3	17_53.rawmk3	20_15.rawmk3	21_27.rawmk3	c20_51.rawmk3
17_10.rawmk3	17_57.rawmk3	20_18.rawmk3	21_33.rawmk3	c20_58.rawmk3
17_13.rawmk3	18_00.rawmk3	20_27.rawmk3	21_37.rawmk3	c21_05.rawmk3
17_16.rawmk3	18_07.rawmk3	20_30.rawmk3	21_50.rawmk3	
17_20.rawmk3	18_14.rawmk3	20_34.rawmk3	21_54.rawmk3	
17_23.rawmk3	18_21.rawmk3	20_37.rawmk3	22_05.rawmk3	
17_27.rawmk3	18_55.rawmk3	20_44.rawmk3	22_09.rawmk3	