
Mauna Loa Solar Observatory Observer's Log

Tue Apr 28 16:41:57 GMT 1998

Year: 98 Doy: 118

Observer: yasukawa

WEATHER COMMENT: Tue Apr 28 16:42:34 GMT 1998

Cool, in thin cirrus, brisk west wind.

Tue Apr 28 16:48:58 GMT 1998 CHIP Startup--Initializing new tape

Tue Apr 28 16:51:39 GMT 1998 CHIP CHIP Start Patrol

Tue Apr 28 16:51:58 GMT 1998 PICS Start Patrol

Tue Apr 28 17:00:04 GMT 1998 MKIII Start Patrol

Tue Apr 28 17:00:18 GMT 1998 PICS Flat

MKIII COMMENT: Tue Apr 28 17:00:24 GMT 1998

Running tests in cirrus to troubleshoot MKIII chan 0 image funnies.

Tue Apr 28 17:01:42 GMT 1998 PICS End Flat

Tue Apr 28 17:01:56 GMT 1998 CHIP End Bias

Tue Apr 28 17:02:03 GMT 1998 CHIP Water

Tue Apr 28 17:02:42 GMT 1998 CHIP End Water

Tue Apr 28 17:07:12 GMT 1998 MKIII Start Cal

Tue Apr 28 17:28:56 GMT 1998 MKIII Start Patrol

PSPT COMMENT: Tue Apr 28 17:39:48 GMT 1998

Tested all Quantum tapes (white cassettes) in inventory, including recycled ones. All but one caused 'Use Cleaning Tape' LED to go on upon loading. Loaded grey Fuji tape between each white tape test and each time 'Use Cleaning Tape' LED would go out without any cleaning cycle. Set all the white tapes except for the one that did not trigger the LED aside until this problem is resolved.

Use only the grey pile for now.

Tue Apr 28 17:53:19 GMT 1998 MKIII End Cal

Tue Apr 28 18:00:22 GMT 1998 PICS Flat

Tue Apr 28 18:01:48 GMT 1998 PICS End Flat

Tue Apr 28 18:03:03 GMT 1998 CHIP Bias

Tue Apr 28 18:04:20 GMT 1998 CHIP End Bias

Tue Apr 28 18:04:30 GMT 1998 CHIP Water

Tue Apr 28 18:04:45 GMT 1998 MKIII Start Cal

Tue Apr 28 18:05:12 GMT 1998 CHIP End Water

WEATHER COMMENT: Tue Apr 28 18:18:52 GMT 1998

Clear of cirrus.

Tue Apr 28 18:31:45 GMT 1998 MKIII Start Cal

Tue Apr 28 19:00:27 GMT 1998 PICS Flat

Tue Apr 28 19:02:03 GMT 1998 PICS End Flat

Tue Apr 28 19:02:22 GMT 1998 MKIII Start Patrol

Tue Apr 28 19:03:36 GMT 1998 CHIP Bias

Tue Apr 28 19:04:53 GMT 1998 CHIP End Bias

Tue Apr 28 19:05:02 GMT 1998 CHIP Water

Tue Apr 28 19:05:51 GMT 1998 CHIP End Water

Tue Apr 28 19:08:26 GMT 1998 MKIII End Patrol

Tue Apr 28 19:10:27 GMT 1998 MKIII Start Patrol
COMMENT: Tue Apr 28 19:13:35 GMT 1998
Declination reset itself. Repointed and reset guider.
Tue Apr 28 19:16:18 GMT 1998 MKIII End Patrol
Tue Apr 28 19:27:39 GMT 1998 CHIP CHIP End Patrol
Tue Apr 28 19:28:11 GMT 1998 PICS End Patrol
COMMENT: Tue Apr 28 19:28:40 GMT 1998
Stopping to reconfigure dome shutter.
Tue Apr 28 19:37:36 GMT 1998 MKIII Start Patrol
Tue Apr 28 19:37:29 GMT 1998 PICS Start Patrol
Tue Apr 28 19:37:29 GMT 1998 PICS Start Patrol
MKIII COMMENT: Tue Apr 28 19:38:46 GMT 1998

So far with tests I determined that the bright outer ring with the discontinuous image exists in the current corrector table. Last correct probably did that somehow. Couldn't tell if noisy dark moved with swaps at various places because of gain differences in ch0 and ch1.

Tue Apr 28 19:46:23 GMT 1998 MKIII Start Correct
Tue Apr 28 19:52:34 GMT 1998 MKIII End Correct
Tue Apr 28 19:52:43 GMT 1998 MKIII Start Correct
Tue Apr 28 19:58:47 GMT 1998 MKIII End Correct
Tue Apr 28 20:00:09 GMT 1998 PICS Flat
Tue Apr 28 20:00:51 GMT 1998 MKIII Start Correct
Tue Apr 28 20:01:37 GMT 1998 PICS End Flat
Tue Apr 28 20:02:03 GMT 1998 CHIP Gain
Tue Apr 28 20:06:54 GMT 1998 MKIII End Correct
Tue Apr 28 20:07:58 GMT 1998 CHIP End Gain
Tue Apr 28 20:08:08 GMT 1998 CHIP Bias
Tue Apr 28 20:09:02 GMT 1998 CHIP End Bias
Tue Apr 28 20:09:12 GMT 1998 CHIP Water
Tue Apr 28 20:09:52 GMT 1998 CHIP End Water
Tue Apr 28 20:25:22 GMT 1998 MKIII Start Correct
Tue Apr 28 20:31:36 GMT 1998 MKIII End Correct
Tue Apr 28 20:35:07 GMT 1998 MKIII Start Correct
Tue Apr 28 20:41:11 GMT 1998 MKIII End Correct
Tue Apr 28 20:43:05 GMT 1998 MKIII Start Correct
Tue Apr 28 20:49:09 GMT 1998 MKIII End Correct

COMMENT: Tue Apr 28 20:54:38 GMT 1998
Going down to GONG to do overdue PM. ...and to get away from this problem for a bit.

Tue Apr 28 21:00:17 GMT 1998 PICS Flat
Tue Apr 28 21:01:43 GMT 1998 PICS End Flat
Tue Apr 28 21:02:02 GMT 1998 CHIP Bias
Tue Apr 28 21:02:59 GMT 1998 CHIP End Bias
Tue Apr 28 21:03:14 GMT 1998 CHIP Water
Tue Apr 28 21:04:01 GMT 1998 CHIP End Water
Tue Apr 28 21:09:22 GMT 1998 MKIII Start Correct
Tue Apr 28 21:15:36 GMT 1998 MKIII End Correct

Tue Apr 28 21:41:36 GMT 1998 MKIII Start Correct
COMMENT: Tue Apr 28 21:43:42 GMT 1998
Back from GONG
Tue Apr 28 21:47:40 GMT 1998 MKIII End Correct
Tue Apr 28 21:55:14 GMT 1998 MKIII Start Correct
Tue Apr 28 22:00:18 GMT 1998 PICS Flat
Tue Apr 28 22:01:18 GMT 1998 MKIII End Correct
Tue Apr 28 22:01:42 GMT 1998 PICS End Flat
Tue Apr 28 22:02:01 GMT 1998 CHIP Bias
Tue Apr 28 22:03:01 GMT 1998 CHIP End Bias
Tue Apr 28 22:03:08 GMT 1998 CHIP Water
Tue Apr 28 22:03:54 GMT 1998 CHIP End Water
Tue Apr 28 22:09:14 GMT 1998 PICS End Patrol
MKIII COMMENT: Tue Apr 28 22:09:49 GMT 1998

Did not find source of "bright or noisy" dark image. I did find a curious situation where the image discontinuity was not affected by system/card/chip swaps, but I could move the discontinuity inward, until it overshot to the outer rim again, by cycling analog power, typing allfresh on akamai, and running a correction. I left correctors with the discontinuity at the far outer edge of the chan 0 image. The discontinuity is a function of the gain correct function, I think.

Tue Apr 28 22:14:17 GMT 1998 MKIII Start Patrol
Tue Apr 28 22:14:43 GMT 1998 CHIP ending tape
Tue Apr 28 22:28:51 GMT 1998 MKIII Start Correct
MKIII COMMENT: Tue Apr 28 22:28:57 GMT 1998

David indicated that we need to correct from the flat corrector table (click Cor Table before running Correct) or the moving discontinuity occurs. I was repeating the chinese fire drill he did when they were out here--didn't remember.

Tue Apr 28 22:35:02 GMT 1998 MKIII End Correct
Tue Apr 28 22:35:44 GMT 1998 MKIII Start Correct
MKIII COMMENT: Tue Apr 28 22:36:01 GMT 1998

Clicked on CorTable to load flat correctors, but I ran into a dropped ramp on gain correct. Repeating Correct with flat table. If the drop does not move, I think David's explanation is correct, just have to find a good corrector table

Tue Apr 28 22:41:50 GMT 1998 MKIII End Correct
Tue Apr 28 22:43:33 GMT 1998 MKIII Start Correct
Tue Apr 28 22:49:37 GMT 1998 MKIII End Correct
Tue Apr 28 22:51:39 GMT 1998 MKIII Start Correct
COMMENT: Tue Apr 28 22:54:06 GMT 1998

Tapes:

Recycling MKIII tape all tests
PICS: P01180
CHIP: C00570
LOWL: L00511

Tue Apr 28 22:57:44 GMT 1998 MKIII End Correct
COMMENT: Tue Apr 28 22:58:13 GMT 1998
Hooray! I moved cortab0.199709261852 into cortab0.current (copied,
actually), then ran a regular correct (did not request flat corrector
table--that one had a drop approximately 1/3 of way from
outer edge). This time I got a decent gain correct ramp.
I will leave corrector this way.
Tue Apr 28 23:09:33 GMT 1998 MKIII Start Patrol
Tue Apr 28 23:18:08 GMT 1998 MKIII End Patrol
MKIII COMMENT: Tue Apr 28 23:18:25 GMT 1998
Corona looks OK with this last correct. Chan 1 looked OK too.
Tue Apr 28 23:22:12 GMT 1998
MkIII

*****These images were transferred overnight, so here is a list:

17_00.rawmk3	18_08.rawmk3	22_14.rawmk3	c18_05.rawmk3	c20_55.rawmk3
17_03.rawmk3	18_14.rawmk3	22_20.rawmk3	c18_11.rawmk3	c21_15.rawmk3
17_10.rawmk3	18_20.rawmk3	23_09.rawmk3	c18_17.rawmk3	c21_47.rawmk3
17_16.rawmk3	18_34.rawmk3	23_15.rawmk3	c18_31.rawmk3	c22_04.rawmk3
17_22.rawmk3	18_41.rawmk3	c17_07.rawmk3	c18_37.rawmk3	c22_58.rawmk3
17_28.rawmk3	18_47.rawmk3	c17_13.rawmk3	c18_44.rawmk3	c23_02.rawmk3
17_31.rawmk3	19_02.rawmk3	c17_19.rawmk3	c19_21.rawmk3	
17_37.rawmk3	19_05.rawmk3	c17_34.rawmk3	c20_07.rawmk3	
17_44.rawmk3	19_10.rawmk3	c17_40.rawmk3	c20_11.rawmk3	
17_50.rawmk3	19_13.rawmk3	c17_47.rawmk3	c20_49.rawmk3	

-Holly