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Mauna Loa Solar Observatory Observer's Log  
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Mon Apr 27 16:43:13 GMT 1998

Year: 98 Doy: 117

Observer: yasukawa

WEATHER COMMENT: Mon Apr 27 16:44:03 GMT 1998

Cool, clear, brisk west wind.

Mon Apr 27 16:44:28 GMT 1998	CHIP	Startup--Initializing new tape
Mon Apr 27 16:49:03 GMT 1998	CHIP	CHIP Start Patrol
Mon Apr 27 16:49:20 GMT 1998	MKIII	Start Patrol
Mon Apr 27 16:49:17 GMT 1998	PICS	Start Patrol
Mon Apr 27 17:00:24 GMT 1998	PICS	Flat
Mon Apr 27 17:01:53 GMT 1998	PICS	End Flat
Mon Apr 27 17:02:03 GMT 1998	CHIP	Bias
Mon Apr 27 17:03:01 GMT 1998	CHIP	End Bias
Mon Apr 27 17:03:11 GMT 1998	CHIP	Water
Mon Apr 27 17:03:57 GMT 1998	CHIP	End Water
Mon Apr 27 18:01:24 GMT 1998	PICS	Flat
Mon Apr 27 18:02:01 GMT 1998	CHIP	Bias
Mon Apr 27 18:02:52 GMT 1998	PICS	End Flat
Mon Apr 27 18:03:03 GMT 1998	CHIP	End Bias
Mon Apr 27 18:03:16 GMT 1998	CHIP	Water
Mon Apr 27 18:04:05 GMT 1998	CHIP	End Water
Mon Apr 27 18:09:31 GMT 1998	MKIII	Start Cal

MKIII COMMENT: Mon Apr 27 18:23:41 GMT 1998

Calibration scans are badly streaked/noisy. Looking into problem.

Mon Apr 27 18:29:54 GMT 1998	MKIII	Start Correct
Mon Apr 27 18:36:04 GMT 1998	MKIII	End Correct
Mon Apr 27 18:38:04 GMT 1998	MKIII	Start Patrol

MKIII COMMENT: Mon Apr 27 18:38:46 GMT 1998

Checked corrector hardware by reseating cards. Ran Correct. May be corrupted because the corrector values were scrambled at the beginning of Correct because of the analog system power down. Not sure if that affects the correct process. Resulting Patrol data is streaked.

Will try Correct again.

Mon Apr 27 18:44:52 GMT 1998	MKIII	Start Correct
Mon Apr 27 18:51:03 GMT 1998	MKIII	End Correct

MKIII COMMENT: Mon Apr 27 18:51:10 GMT 1998

Second Correct cleaned up the noisy pixels on the P-S monitor trace.

Mon Apr 27 18:51:48 GMT 1998	MKIII	Start Patrol
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MKIII COMMENT: Mon Apr 27 18:57:40 GMT 1998

Second Calibration attempt.

8 MKIII Start Cal

Mon Apr 27 19:02:09 GMT 1998	CHIP	Bias
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MKIII COMMENT: Mon Apr 27 19:02:17 GMT 1998

Still getting noise in the dark traces.

Mon Apr 27 19:03:09 GMT 1998	CHIP	End Bias
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Mon Apr 27 19:03:18 GMT 1998 CHIP Water  
Mon Apr 27 19:03:51 GMT 1998 PICS End Flat  
Mon Apr 27 19:04:08 GMT 1998 CHIP End Water  
Mon Apr 27 19:28:24 GMT 1998 MKIII Start Patrol  
MKIII COMMENT: Mon Apr 27 19:28:53 GMT 1998  
Replaced Light, Dark, and Gain MDACs on DCSB AN2 card for chan 0.  
Running Patrol to load corrector data into MDACs.  
When Patrol cycle is done, I will run another Correct.  
COMMENT: Mon Apr 27 19:31:34 GMT 1998  
Stopping first to reconfigure dome shutter.  
Patrol  
Mon Apr 27 19:33:13 GMT 1998 PICS End Patrol  
Mon Apr 27 19:34:15 GMT 1998 MKIII End Patrol  
Mon Apr 27 19:40:13 GMT 1998 PICS Start Patrol  
Mon Apr 27 19:40:13 GMT 1998 PICS Start Patrol  
Mon Apr 27 19:44:18 GMT 1998 MKIII Start Correct  
MKIII COMMENT: Mon Apr 27 19:44:43 GMT 1998  
Found tape covering preamp housing next door to Chan 0 preamp  
loose. sealed it down. Checked Dark, but image still noisy.  
Started Correct with new MDACs. Also discovered tape did not  
write last Dark scan test, got 'wrote 0 files' error. Unloading H01813  
loading H01814. Will reset KCC after Correct.  
Mon Apr 27 19:50:32 GMT 1998 MKIII End Correct  
Mon Apr 27 19:52:29 GMT 1998 MKIII Start Patrol  
MKIII COMMENT: Mon Apr 27 19:53:41 GMT 1998  
Running Patrol, then will Calibrate after 1 patrol cycle.  
Mon Apr 27 20:00:28 GMT 1998 PICS Flat  
Mon Apr 27 20:02:02 GMT 1998 CHIP Gain  
Mon Apr 27 20:02:02 GMT 1998 CHIP Gain  
MKIII COMMENT: Mon Apr 27 20:06:08 GMT 1998  
O tilt image still hosed. Need to think a bit.  
MKIII COMMENT: Mon Apr 27 20:07:45 GMT 1998  
There also seems to be a double image--a fold-over at the outer  
edge of the image.

Mon Apr 27 20:09:09 GMT 1998 CHIP End Bias  
Mon Apr 27 20:09:19 GMT 1998 CHIP Water  
Mon Apr 27 20:10:00 GMT 1998 CHIP End Water  
MKIII COMMENT: Mon Apr 27 20:18:25 GMT 1998  
Looking at chan 1 images on KCC monitor. Running a Cal 15 again.  
Mon Apr 27 20:19:00 GMT 1998 MKIII End Cal  
MKIII COMMENT: Mon Apr 27 20:21:26 GMT 1998  
15 cal image in chan 1 looks OK.  
MKIII COMMENT: Mon Apr 27 20:25:51 GMT 1998  
Swapped AN2 cards between chan 0 and chan 1. Looking at cal-15 images.  
MKIII COMMENT: Mon Apr 27 20:28:18 GMT 1998  
Corrector table did not load after turning off Analog to swap  
cards. Running a Patrol cycle to get Corrector to load.

MKIII COMMENT: Mon Apr 27 20:40:42 GMT 1998  
Problem did not change with AN2 card swap. Will try a Corrector  
card swap. Swapping AN2 cards back to original positions  
at the same time.

MKIII COMMENT: Mon Apr 27 20:45:25 GMT 1998  
Swapped only memory boards in corrector. AN2s swapped back.

Mon Apr 27 20:46:23 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Mon Apr 27 20:46:47 GMT 1998

Running Patrol to load corrector table.

Mon Apr 27 20:54:59 GMT 1998 MKIII End Patrol

MKIII COMMENT: Mon Apr 27 20:59:43 GMT 1998

Problem still there in chan 0. Swapping Corrector I/O cards.

Mon Apr 27 21:01:28 GMT 1998 PICS Flat

Mon Apr 27 21:02:03 GMT 1998 CHIP Bias

Mon Apr 27 21:02:50 GMT 1998 MKIII Start Patrol

Mon Apr 27 21:02:56 GMT 1998 PICS End Flat

Mon Apr 27 21:03:04 GMT 1998 CHIP End Bias

MKIII COMMENT: Mon Apr 27 21:03:16 GMT 1998

Running Patrol cycle to load corrector and then checking with Cal-15.

Doing this because Cal-15 images the problem better than Corona.

MKIII COMMENT: Mon Apr 27 21:14:24 GMT 1998

Restored system to original hardware state--just found out Alice is  
fiddling with the scaling--which may have been causing the 'noise'

I was seeing which began this Chinese fire drill. I will wait  
until Alice finishes her work before resuming this drill.

Mon Apr 27 21:18:20 GMT 1998 MKIII Start Patrol

MKIII COMMENT: Mon Apr 27 21:27:46 GMT 1998

According to Alice, she didn't start fiddling until well after  
I began working on this problem--so it's probably not her.

MKIII COMMENT: Mon Apr 27 21:29:05 GMT 1998

\*\*\* Recycling H01811 and H01812 \*\*\*

WEATHER COMMENT: Mon Apr 27 21:50:25 GMT 1998

In orographic clouds.

Mon Apr 27 21:50:56 GMT 1998 PICS End Patrol

Mon Apr 27 21:52:36 GMT 1998 CHIP CHIP End Patrol

Mon Apr 27 21:54:44 GMT 1998 CHIP ending tape

COMMENT: Mon Apr 27 21:57:08 GMT 1998

Tapes:

MKIII: H01813 and H01814

PICS: P01179

CHIP: C00569

LOWL: L00511

MKIII COMMENT: Mon Apr 27 22:05:31 GMT 1998

I will continue troubleshooting tomorrow as Alice and I sorta agree  
that there is probably a hardware problem. Nothing was made

bad by her fiddling--it was actually improved if you ignore the bigger problem.

Mon Apr 27 22:07:25 GMT 1998

MkIII

16_49.rawmk3	17_36.rawmk3	18_54.rawmk3	21_08.rawmk3	c18_15.rawmk3
16_52.rawmk3	17_39.rawmk3	19_00.rawmk3	21_18.rawmk3	c18_21.rawmk3
16_55.rawmk3	17_42.rawmk3	19_07.rawmk3	21_21.rawmk3	c18_57.rawmk3
16_58.rawmk3	17_45.rawmk3	19_13.rawmk3	21_24.rawmk3	c19_04.rawmk3
17_01.rawmk3	17_48.rawmk3	19_28.rawmk3	21_27.rawmk3	c19_10.rawmk3
17_04.rawmk3	17_51.rawmk3	19_31.rawmk3	21_30.rawmk3	c19_39.rawmk3
17_07.rawmk3	17_53.rawmk3	19_54.rawmk3	21_33.rawmk3	c20_00.rawmk3
17_10.rawmk3	17_56.rawmk3	19_57.rawmk3	21_35.rawmk3	c20_06.rawmk3
17_13.rawmk3	17_59.rawmk3	20_03.rawmk3	21_38.rawmk3	c20_12.rawmk3
17_15.rawmk3	18_02.rawmk3	20_09.rawmk3	21_41.rawmk3	c20_19.rawmk3
17_18.rawmk3	18_12.rawmk3	20_15.rawmk3	21_44.rawmk3	c20_24.rawmk3
17_21.rawmk3	18_18.rawmk3	20_30.rawmk3	21_47.rawmk3	c20_39.rawmk3
17_24.rawmk3	18_25.rawmk3	20_36.rawmk3	21_50.rawmk3	c20_55.rawmk3
17_27.rawmk3	18_38.rawmk3	20_46.rawmk3	21_53.rawmk3	
17_30.rawmk3	18_41.rawmk3	20_52.rawmk3	21_56.rawmk3	
17_33.rawmk3	18_51.rawmk3	21_02.rawmk3	c18_09.rawmk3	