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Mauna Loa Solar Observatory Observer's Log  
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Mon Jun 28 16:26:26 GMT 1999

Year: 99 Doy: 179

Observer: yasukawa

Mon Jun 28 16:27:03 GMT 1999 CHIP Startup--Initializing new tape

WEATHER COMMENT: Mon Jun 28 16:30:50 GMT 1999

Cool, clear, light south breeze.

Mon Jun 28 16:31:07 GMT 1999 MKIII Start Patrol

Mon Jun 28 16:31:37 GMT 1999 CHIP CHIP Start Patrol

\*\*MKIV PROBLEM\*\*: Mon Jun 28 16:55:17 GMT 1999

MKIV and MKIII did some funny barrel maneuvers and had circular streaky images.

Might have been a microprocessor glitch.

Mon Jun 28 17:01:49 GMT 1999 CHIP Bias

Mon Jun 28 17:02:46 GMT 1999 CHIP End Bias

Mon Jun 28 17:03:02 GMT 1999 CHIP Water

Mon Jun 28 17:03:47 GMT 1999 CHIP End Water

Mon Jun 28 17:58:56 GMT 1999 MKIII Start Cal

Mon Jun 28 18:00:47 GMT 1999 CHIP Bias

Mon Jun 28 18:01:41 GMT 1999 CHIP End Bias

Mon Jun 28 18:01:51 GMT 1999 CHIP Water

Mon Jun 28 18:02:30 GMT 1999 CHIP End Water

Mon Jun 28 18:22:22 GMT 1999 MKIII Start Patrol

Mon Jun 28 19:02:54 GMT 1999 CHIP Bias

Mon Jun 28 19:03:52 GMT 1999 CHIP End Bias

Mon Jun 28 19:04:08 GMT 1999 CHIP Water

Mon Jun 28 19:04:51 GMT 1999 CHIP End Water

\*\*PICS PROBLEM\*\*: Mon Jun 28 19:14:40 GMT 1999

Working on PICS camera shutter problem. Couldn't seem to vary exposure at short end below 35 ms. Shutter was clicking at a 0.5 sec open/close duty cycle. Removing camera and inspecting cable, connector, and will test camera on bench with short cable.

Mon Jun 28 19:17:26 GMT 1999 CHIP CHIP End Patrol

COMMENT: Mon Jun 28 19:17:38 GMT 1999

Stopping to reconfigure dome shutter.

Mon Jun 28 19:39:20 GMT 1999 MKIII Start Patrol

Mon Jun 28 19:39:46 GMT 1999 CHIP CHIP Start Patrol

\*\*PICS PROBLEM\*\*: Mon Jun 28 19:56:52 GMT 1999

David and I came to the conclusion that the shutter is broken. In a two-leaf shutter scenario, it appears to behave like the second leaf is not working.

At a fast exposure time, the first leaf opens and the second leaf follows very close behind. Shutter opens and closes at an exposure rate near

100 ms and then exposure times change at longer times but not shorter where the second leaf comes into play. David is getting an RMA number and I will ship camera back to Kodak to repair the shutter.

Mon Jun 28 20:00:50 GMT 1999 CHIP Gain

Mon Jun 28 20:05:18 GMT 1999 CHIP End Gain

Mon Jun 28 20:05:37 GMT 1999 CHIP Bias

Mon Jun 28 20:06:37 GMT 1999 CHIP End Bias

Mon Jun 28 20:06:47 GMT 1999 CHIP Water

Mon Jun 28 20:07:23 GMT 1999 CHIP End Water

GONG COMMENT: Mon Jun 28 20:53:32 GMT 1999

Going down to GONG to do weekly Pm.

Mon Jun 28 21:01:54 GMT 1999 CHIP Bias

Mon Jun 28 21:02:57 GMT 1999 CHIP End Bias

Mon Jun 28 21:03:07 GMT 1999 CHIP Water

Mon Jun 28 21:03:46 GMT 1999 CHIP End Water

GONG COMMENT: Mon Jun 28 21:25:23 GMT 1999

Back from GONG.

COMMENT: Mon Jun 28 21:25:37 GMT 1999

Stopping so I can stow spar.

CHIP COMMENT: Mon Jun 28 21:26:00 GMT 1999

Need to point spar up to rest the He source lamp on the front of CHIP to run the Spectrum test.

Mon Jun 28 21:27:21 GMT 1999 CHIP CHIP End Patrol

CHIP COMMENT: Mon Jun 28 21:55:32 GMT 1999

He source lamp mounted and turned on, dome darkened with trashbags over windows. Beginning Spectrum test.

MKIV COMMENT: Mon Jun 28 22:12:28 GMT 1999

Tony and Holly requested loading a tape into nahenahe so they could write yesterday's (99-178) data to it. I'm not sure what happened to the tape that was popped out this morning. I labeled the tape being written to right now as MKIV 99-178 #2. Once they are done I will load 99-179 into drive for tonight.

LOW-L COMMENT: Mon Jun 28 22:19:39 GMT 1999

Stopped L00607 and rewound it. Cleaned drive and loaded L00609 into drive #1. Data writing to L00608 in drive #0 at restart. File count was 65 and I am not going to be up here tomorrow to change tapes as would normally occur when count surpasses 70.

MKIV COMMENT: Mon Jun 28 22:23:50 GMT 1999

99-178 written successfully. discarded tape written last night. Loading 99-179.

COMMENT: Mon Jun 28 22:30:28 GMT 1999

Tapes:

MKIV: 99-179

CHIP: C00850

PICS: Down for repair

LOWL: L00607 and L00608 in drives #1 and #0 respectively.

Mon Jun 28 22:47:48 GMT 1999 CHIP ending tape

**\*\*PICS PROBLEM\*\***: Mon Jun 28 23:04:44 GMT 1999

Tried backing off on C-mount adapter ring on camera as suggested by Kodak, but that did not fix camera. Shipping it back to KODAK MASD via FEDEX priority overnight.

**\*\*PICS PROBLEM\*\***: Mon Jun 28 23:15:30 GMT 1999

**\*\*CHIP PROBLEM\*\***: Mon Jun 28 23:15:41 GMT 1999

May have to redo Spectrum test. Although the test finished quite a while before I went back up into the dome to secure things, I found one of the dark cloths had fallen away from the window. This may have corrupted the data if it occurred during the test.

Mon Jun 28 23:17:55 GMT 1999

MkIII

16_31.rawmk3	17_29.rawmk3	18_41.rawmk3	19_58.rawmk3	20_58.rawmk3
16_34.rawmk3	17_32.rawmk3	18_44.rawmk3	20_01.rawmk3	21_02.rawmk3
16_38.rawmk3	17_36.rawmk3	18_48.rawmk3	20_05.rawmk3	21_06.rawmk3
16_42.rawmk3	17_40.rawmk3	18_52.rawmk3	20_09.rawmk3	21_09.rawmk3
16_46.rawmk3	17_44.rawmk3	18_56.rawmk3	20_13.rawmk3	21_13.rawmk3
16_49.rawmk3	17_47.rawmk3	18_59.rawmk3	20_17.rawmk3	21_17.rawmk3
16_50.rawmk3	17_51.rawmk3	19_03.rawmk3	20_20.rawmk3	21_21.rawmk3
16_54.rawmk3	17_55.rawmk3	19_07.rawmk3	20_24.rawmk3	21_24.rawmk3
16_58.rawmk3	18_03.rawmk3	19_11.rawmk3	20_28.rawmk3	21_28.rawmk3
17_02.rawmk3	18_10.rawmk3	19_15.rawmk3	20_32.rawmk3	c17_59.rawmk3
17_06.rawmk3	18_18.rawmk3	19_18.rawmk3	20_35.rawmk3	c18_06.rawmk3
17_10.rawmk3	18_22.rawmk3	19_39.rawmk3	20_39.rawmk3	c18_14.rawmk3
17_14.rawmk3	18_26.rawmk3	19_43.rawmk3	20_43.rawmk3	
17_17.rawmk3	18_29.rawmk3	19_46.rawmk3	20_47.rawmk3	
17_21.rawmk3	18_33.rawmk3	19_50.rawmk3	20_50.rawmk3	
17_25.rawmk3	18_37.rawmk3	19_54.rawmk3	20_54.rawmk3	