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Mauna Loa Solar Observatory Observer's Log  
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Tue May 4 16:20:05 GMT 1999

Year: 99 Doy: 124

Observer: yasukawa

Tue May 4 16:20:44 GMT 1999 CHIP Startup--Initializing new tape

WEATHER COMMENT: Tue May 4 16:20:50 GMT 1999

Cool, in cirrus, light south wind. Cirrus deck to east, altostratus deck to west.

LOW-L COMMENT: Tue May 4 16:21:40 GMT 1999

L00596 popped out of drive 1 as it should have, data writing to L00597 in drive 0, transfer looks to have occurred smoothly.

Tue May 4 16:28:05 GMT 1999 CHIP CHIP Start Patrol

Tue May 4 16:28:28 GMT 1999 PICS Start Patrol

LOW-L COMMENT: Tue May 4 16:33:26 GMT 1999

Cleaned drive #1, Loaded L00968 into drive 1.

Tue May 4 17:01:48 GMT 1999 CHIP Bias

Tue May 4 17:02:35 GMT 1999 PICS Flat

Tue May 4 17:02:38 GMT 1999 CHIP End Bias

Tue May 4 17:02:47 GMT 1999 CHIP Water

Tue May 4 17:03:21 GMT 1999 CHIP End Water

Tue May 4 17:04:06 GMT 1999 PICS End Flat

Tue May 4 17:44:58 GMT 1999 MKIII Start Patrol

WEATHER COMMENT: Tue May 4 17:45:03 GMT 1999

Clear. Starting MKIII/MKIV.

\*\*PSPT PROBLEM\*\*: Tue May 4 17:48:17 GMT 1999

Located, then swapped Uniblitz shutters. Repaired latch on cover.

Random images were very dark yesterday.

\*\*PICS PROBLEM\*\*: Tue May 4 17:54:06 GMT 1999

Some display images split, two half images side-by-side.

Tue May 4 18:00:46 GMT 1999 CHIP Bias

Tue May 4 18:01:37 GMT 1999 CHIP End Bias

Tue May 4 18:01:47 GMT 1999 CHIP Water

Tue May 4 18:02:24 GMT 1999 CHIP End Water

Tue May 4 18:02:45 GMT 1999 PICS Flat

Tue May 4 18:04:26 GMT 1999 PICS End Flat

Tue May 4 18:38:09 GMT 1999 MKIII Start Patrol

Tue May 4 19:02:52 GMT 1999 CHIP Bias

Tue May 4 19:02:52 GMT 1999 CHIP Bias

Tue May 4 19:03:50 GMT 1999 CHIP End Bias

Tue May 4 19:04:10 GMT 1999 CHIP Water

Tue May 4 19:04:35 GMT 1999 PICS End Flat

Tue May 4 19:04:56 GMT 1999 CHIP End Water

COMMENT: Tue May 4 19:41:08 GMT 1999

Stopping to reconfigure dome shutter.

Tue May 4 19:41:23 GMT 1999 CHIP CHIP End Patrol

Tue May 4 19:41:32 GMT 1999 PICS End Patrol

**\*\*PSPT PROBLEM\*\***: Tue May 4 19:43:00 GMT 1999  
OK, looks like Uniblitz shutter WAS flaky. Spare is working well.  
I will send the flaky shutter back to Roy.

Tue May	4	19:51:22	GMT 1999	MKIII	Start Patrol
Tue May	4	19:51:30	GMT 1999	PICS	Start Patrol
Tue May	4	19:51:30	GMT 1999	PICS	Start Patrol
Tue May	4	20:00:56	GMT 1999	CHIP	Gain
Tue May	4	20:01:33	GMT 1999	PICS	Flat
Tue May	4	20:03:03	GMT 1999	PICS	End Flat
Tue May	4	20:05:13	GMT 1999	CHIP	End Gain
Tue May	4	20:05:23	GMT 1999	CHIP	Bias
Tue May	4	20:06:14	GMT 1999	CHIP	End Bias
Tue May	4	20:06:33	GMT 1999	CHIP	Water
Tue May	4	20:07:15	GMT 1999	CHIP	End Water

**\*\*CHIP PROBLEM\*\***: Tue May 4 20:08:32 GMT 1999  
CHIP filter temperature is slightly above range. Watching it for now.

Tue May	4	21:01:48	GMT 1999	PICS	Flat
Tue May	4	21:01:48	GMT 1999	PICS	Flat
Tue May	4	21:02:43	GMT 1999	CHIP	End Bias
Tue May	4	21:03:03	GMT 1999	CHIP	Water
Tue May	4	21:03:29	GMT 1999	PICS	End Flat
Tue May	4	21:03:49	GMT 1999	CHIP	End Water

WEATHER COMMENT: Tue May 4 21:50:35 GMT 1999  
In cirrostratus.

**\*\*CHIP PROBLEM\*\***: Tue May 4 21:53:38 GMT 1999  
CHIP filter temperature reading varied between 34.529-34.570. Although the range is not as "high" as the last time, I think we will need to look for the possible cold solder joint in the Wavelength Electronics Thermo-Electric Temperature Controller in the Meadowlark chassis. Last time, I gave it a sharp tap near the power MOSFETs and the voltages at the testpoints jumped back to correct levels.

IP	Bias				
Tue May	4	22:01:46	GMT 1999	CHIP	Bias
Tue May	4	22:02:40	GMT 1999	CHIP	End Bias
Tue May	4	22:02:59	GMT 1999	CHIP	Water
Tue May	4	22:03:14	GMT 1999	PICS	End Flat
Tue May	4	22:03:43	GMT 1999	CHIP	End Water
Tue May	4	22:07:22	GMT 1999	PICS	End Patrol
Tue May	4	22:09:22	GMT 1999	CHIP	CHIP End Patrol
Tue May	4	22:10:48	GMT 1999	CHIP	ending tape

COMMENT: Tue May 4 22:18:31 GMT 1999

Tapes:

MKIV: 99-124

PICS: P01430

CHIP: C00842

LOWL: L00597 in drive 0

Tue May 4 22:21:00 GMT 1999

MkIII

17_45.rawmk3	18_49.rawmk3	19_42.rawmk3	20_40.rawmk3	21_33.rawmk3
17_48.rawmk3	18_53.rawmk3	19_51.rawmk3	20_44.rawmk3	21_36.rawmk3
17_52.rawmk3	18_57.rawmk3	19_55.rawmk3	20_47.rawmk3	21_40.rawmk3
17_56.rawmk3	19_00.rawmk3	19_58.rawmk3	20_51.rawmk3	21_44.rawmk3
17_59.rawmk3	19_04.rawmk3	20_02.rawmk3	20_55.rawmk3	21_48.rawmk3
18_03.rawmk3	19_08.rawmk3	20_06.rawmk3	20_59.rawmk3	21_51.rawmk3
18_07.rawmk3	19_12.rawmk3	20_10.rawmk3	21_03.rawmk3	21_55.rawmk3
18_11.rawmk3	19_16.rawmk3	20_14.rawmk3	21_06.rawmk3	21_59.rawmk3
18_18.rawmk3	19_19.rawmk3	20_17.rawmk3	21_10.rawmk3	22_03.rawmk3
18_26.rawmk3	19_23.rawmk3	20_21.rawmk3	21_14.rawmk3	22_06.rawmk3
18_34.rawmk3	19_27.rawmk3	20_25.rawmk3	21_18.rawmk3	22_10.rawmk3
18_38.rawmk3	19_31.rawmk3	20_29.rawmk3	21_21.rawmk3	c18_14.rawmk3
18_42.rawmk3	19_34.rawmk3	20_32.rawmk3	21_25.rawmk3	c18_22.rawmk3
18_45.rawmk3	19_38.rawmk3	20_36.rawmk3	21_29.rawmk3	c18_30.rawmk3