Mauna Loa Solar Observatory Observer's Log ______ Fri Apr 30 16:33:32 GMT 1999 Year: 99 Doy: 120 Observer: yasukawa WEATHER COMMENT: Fri Apr 30 16:33:41 GMT 1999 Cool, clear, light southwest breeze. Broken cirrus to west. Fri Apr 30 16:41:51 GMT 1999 Startup--Initializing new tape CHIP Fri Apr 30 16:42:30 GMT 1999 PICS Start Patrol Fri Apr 30 16:43:29 GMT 1999 MKIII Start Patrol Fri Apr 30 16:43:59 GMT 1999 CHIP CHIP Start Patrol MKIII Fri Apr 30 16:50:30 GMT 1999 End Patrol MKIV COMMENT: Fri Apr 30 16:50:31 GMT 1999 Stopping to check out Dalsa camera PPE tag for Amy. Fri Apr 30 16:55:25 GMT 1999 MKIII Start Patrol Fri Apr 30 17:01:42 GMT 1999 PICS Flat Fri Apr 30 17:02:53 GMT 1999 CHIP Bias Fri Apr 30 17:03:12 GMT 1999 PICS End Flat Fri Apr 30 17:03:52 GMT 1999 End Bias CHIP Fri Apr 30 17:04:02 GMT 1999 CHIP Water Fri Apr 30 17:04:39 GMT 1999 CHIP End Water WEATHER COMMENT: Fri Apr 30 17:30:00 GMT 1999 Was in thin cirrus. Fri Apr 30 18:01:35 GMT 1999 Flat PICS Fri Apr 30 18:01:48 GMT 1999 CHIP Bias Fri Apr 30 18:02:38 GMT 1999 End Bias CHIP Fri Apr 30 18:02:48 GMT 1999 CHIP Water Fri Apr 30 18:03:04 GMT 1999 PICS End Flat Fri Apr 30 18:03:26 GMT 1999 CHIP End Water **MKIII PROBLEM**: Fri Apr 30 18:18:18 GMT 1999 Stopping to checkout microprocessor in search of bad-pixels ring. PICS COMMENT: Fri Apr 30 18:27:00 GMT 1999 Performed a velocity pair at 18:25 == David **MKIII PROBLEM**: Fri Apr 30 18:28:27 GMT 1999 Swapped out D-BUS I/O card in Micro. Fri Apr 30 18:32:31 GMT 1999 End Patrol MKIII Fri Apr 30 18:33:00 GMT 1999 MKIII Start Patrol Fri Apr 30 18:37:32 GMT 1999 MKIII Start Patrol Fri Apr 30 18:47:30 GMT 1999 MKIII Start Patrol **MKIII PROBLEM**: Fri Apr 30 18:57:52 GMT 1999 Swap did not change symptom, returned original DBUS I/O card into micro. Swapping DCSB TIMING GENERATOR card out of micro. Fri Apr 30 19:00:54 GMT 1999 CHIP Bias Fri Apr 30 19:01:34 GMT 1999 PICS Flat Fri Apr 30 19:01:42 GMT 1999 CHIP End Bias

CHIP

Water

Fri Apr 30 19:01:49 GMT 1999

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Fri Apr 30 19:02:27 GMT 1999
                                CHIP
                                          End Water
Fri Apr 30 19:03:05 GMT 1999
                                PICS
                                          End Flat
Fri Apr 30 19:06:35 GMT 1999
                                MKIII
                                          Start Patrol
Fri Apr 30 19:21:44 GMT 1999
                                MKIII
                                          Start Patrol
**MKIII PROBLEM**: Fri Apr 30 19:58:55 GMT 1999
Swapping SPAR ISOLATOR card out of micro.
Fri Apr 30 20:00:24 GMT 1999
                                MKIII
                                          Start Patrol
Fri Apr 30 20:01:35 GMT 1999
                                PICS
                                          Flat
Fri Apr 30 20:02:50 GMT 1999
                                          Gain
                                CHIP
Fri Apr 30 20:03:05 GMT 1999
                                PICS
                                          End Flat
Fri Apr 30 20:07:16 GMT 1999
                                         End Gain
                                CHIP
Fri Apr 30 20:07:24 GMT 1999
                                CHIP
                                          Bias
Fri Apr 30 20:08:10 GMT 1999
                                CHIP
                                          End Bias
Fri Apr 30 20:08:20 GMT 1999
                                CHIP
                                          Water
Fri Apr 30 20:08:56 GMT 1999
                                CHIP
                                          End Water
**MKIII PROBLEM**: Fri Apr 30 20:09:19 GMT 1999
Swapped out last micro card -- HOST INTERFACE.
Fri Apr 30 20:13:04 GMT 1999
                                MKIII
                                          Start Patrol
Fri Apr 30 20:16:59 GMT 1999
                                MKIII
                                          Start Patrol
Fri Apr 30 20:17:29 GMT 1999
                                PICS
                                          End Patrol
COMMENT: Fri Apr 30 20:17:50 GMT 1999
Stopping to reconfigure dome shutter.
Fri Apr 30 20:18:46 GMT 1999
                                CHIP
                                          CHIP End Patrol
Fri Apr 30 20:25:33 GMT 1999
                                CHIP
                                          CHIP Start Patrol
Fri Apr 30 20:25:33 GMT 1999
                                CHIP
                                         CHIP Start Patrol
**MKIII PROBLEM**: Fri Apr 30 20:25:54 GMT 1999
All of the cards in the micro have been swapped and the ring is still
in the display.
Fri Apr 30 20:26:54 GMT 1999
                                          Start Patrol
                                MKIII
MKIV COMMENT: Fri Apr 30 20:27:44 GMT 1999
Stopping MKIV, in cirrus.
WEATHER COMMENT: Fri Apr 30 20:27:59 GMT 1999
In extensive cirrus, moderate thickness.
Fri Apr 30 20:48:14 GMT 1999
                                         Start Patrol
                                MKIII
MKIV COMMENT: Fri Apr 30 20:51:12 GMT 1999
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Running Height mask test.

MKIII PROBLEM: Fri Apr 30 21:00:30 GMT 1999
With all avenues of solutions not affecting the ring or electronic noise,
Kim finally authorized taking the bottle of gin out of the locker and
we chanted a prayer to Pele and poured it on the lava. Noise went away!

Seriously, we're at a loss as to how Kim's find fixed things, but he found a shield on the load side of the +/-22V Corcom filter barely touching the + (red) wire post. Noise went away when he lifted it away. This was the shield on the cable that I found the broken wire on DOY 99116 and resoldered.

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Fri Apr 30 21:29:43 GMT 1999
                               MKIII
                                        Start Patrol
Fri Apr 30 21:36:34 GMT 1999
                               PICS
                                        End Patrol
Fri Apr 30 21:37:01 GMT 1999
                               MKIII
                                        End Patrol
COMMENT: Fri Apr 30 21:37:09 GMT 1999
Stopping observations to work on stuff.
End Patrol
Fri Apr 30 22:15:21 GMT 1999
                                        CHIP Start Patrol
                               CHIP
WEATHER COMMENT: Fri Apr 30 22:26:50 GMT 1999
In orographic clouds
PICS COMMENT: Fri Apr 30 22:29:41 GMT 1999
We adjusted the rotation of the rectangular mask and stem 1/2-degree
to square it up on the camera and display screen. We moved the camera
laterally to center the image on the camera screen. We moved the scale
on the occulting wheel housing to zero the new P-angle setting.
Previous to this, we rotated the polarizing beam splitter to fine tune
its orientation so that the two solar images were directly above
each other. Mask rotation was done to align the bottom edge of the
mask with the bottom edge of the display frame.
Fri Apr 30 22:48:28 GMT 1999
                                        CHIP End Patrol
                               CHIP
Fri Apr 30 22:49:17 GMT 1999
                               CHIP
                                        ending tape
COMMENT: Fri Apr 30 22:49:23 GMT 1999
Tapes:
MKIV: 99-120
PICS: P01426
CHIP: C00838
LOWL: L00597 in drive #1
Fri Apr 30 22:50:47 GMT 1999
        MkIII
16_43.rawmk3 17_21.rawmk3 17_55.rawmk3 19_22.rawmk3 20_30.rawmk3
16 47.rawmk3 17 25.rawmk3 17 59.rawmk3 19 34.rawmk3 20 48.rawmk3
16 55.rawmk3 17 29.rawmk3 18 00.rawmk3 19 38.rawmk3 20 52.rawmk3
16_59.rawmk3 17_33.rawmk3 18_04.rawmk3 19_42.rawmk3 20_55.rawmk3
17 03.rawmk3 17 36.rawmk3 18 08.rawmk3 19 45.rawmk3 20 59.rawmk3
17 06.rawmk3 17 40.rawmk3 18 12.rawmk3 19 49.rawmk3 21 29.rawmk3
17 10.rawmk3 17 44.rawmk3 18 16.rawmk3 20 18.rawmk3 21 33.rawmk3
17 14.rawmk3 17 48.rawmk3 18 19.rawmk3 20 22.rawmk3
17_18.rawmk3 17_51.rawmk3 18_49.rawmk3 20_27.rawmk3
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