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Mauna Loa Solar Observatory Observer's Log  
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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 CHIP Startup--Initializing new tape

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

Fri Apr 30 16:50:30 GMT 1999 MKIII 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 CHIP End Bias

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 PICS Flat

Fri Apr 30 18:01:48 GMT 1999 CHIP Bias

Fri Apr 30 18:02:38 GMT 1999 CHIP End Bias

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 MKIII End Patrol

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

Fri Apr 30 19:01:49 GMT 1999 CHIP Water

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 CHIP Gain

Fri Apr 30 20:03:05 GMT 1999 PICS End Flat

Fri Apr 30 20:07:16 GMT 1999 CHIP End Gain

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 MKIII Start Patrol  
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 MKIII Start Patrol  
MKIV COMMENT: Fri Apr 30 20:51:12 GMT 1999

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.

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 CHIP Start Patrol  
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 CHIP End Patrol  
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	