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Mauna Loa Solar Observatory Observer's Log  
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Fri Jun 9 16:21:38 GMT 2000

Year: 00 Doy: 161

Observer: yasukawa

Fri Jun 9 16:21:51 GMT 2000 CHIP Startup--Initializing new tape

WEATHER COMMENT: Fri Jun 9 16:22:01 GMT 2000

Cool, clear, light south breeze.

Fri Jun 9 16:28:23 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Fri Jun 9 16:28:32 GMT 2000 MKIV Start Patrol

Fri Jun 9 16:28:32 GMT 2000 PICS Start Patrol

PSPT COMMENT: Fri Jun 9 16:33:11 GMT 2000

Two repaired shutters returned from Vincent Associates,  
VS35S2ZM0 s/n 1376 and VS35S2ZM1 s/n 984.

According to packing slip S/n 984 had no defects.

I will install it into pspt as soon as I get a chance and  
we'll see if it really has no defects.

WEATHER COMMENT: Fri Jun 9 16:49:27 GMT 2000

Corona noisy, probably in thin cirrus.

Fri Jun 9 18:02:02 GMT 2000 PICS Flat

Fri Jun 9 18:05:01 GMT 2000 PICS End Flat

WEATHER COMMENT: Fri Jun 9 18:10:16 GMT 2000

Sky is better now.

PSPT COMMENT: Fri Jun 9 19:03:56 GMT 2000

PSPT started up pointing a little bit off the sun, initial blue  
image was dark (shutter still flaky?). Gave spar a small push to  
point it to sun. Centering took a bit longer than I remember.

Once centered, Daily obs program ran OK, at least it was running OK  
each time I checked.

COMMENT: Fri Jun 9 19:21:54 GMT 2000

Stopping to reconfigure dome shutter.

Fri Jun 9 19:21:58 GMT 2000 CHIP CHIP End Patrol

Fri Jun 9 19:25:00 GMT 2000 PICS End Patrol

Fri Jun 9 19:30:00 GMT 2000 MKIV Start Patrol

Fri Jun 9 19:30:23 GMT 2000 PICS Start Patrol

Fri Jun 9 19:30:23 GMT 2000 PICS Start Patrol

Fri Jun 9 20:02:11 GMT 2000 CHIP Gain7

Fri Jun 9 20:10:43 GMT 2000 CHIP End Gain

Fri Jun 9 20:10:53 GMT 2000 CHIP Bias

Fri Jun 9 20:11:55 GMT 2000 CHIP End Bias

\*\*PSPT PROBLEM\*\*: Fri Jun 9 20:27:19 GMT 2000

Active mirror was having difficult time centering sun on quad cells.

Aborted observing program an running a gdr ephmcal to see if that helps.

\*\*PSPT PROBLEM\*\*: Fri Jun 9 21:28:17 GMT 2000

Active mirror is not centering image properly. Seems that the Y-drive  
does not seek center. Tried pointing manually but when I watched the  
images inside the optical housing, I observed that the centering program

was driving the solar image off the quad cells rather than homing in on the center of the quad cell. Emailed Randy to determine if there were any software changes made while we were down. They should be telling us when any changes are made so this might be grabbing at straws.

\*\*PSPT PROBLEM\*\*  
Fri Jun 9 21:50:13 GMT 2000

It is the dec motor and not the active mirror actuators that are grinding when the image moves off the quad cells. I think this is occurring during the gdr servo on command.

Fri Jun 9 22:05:05 GMT 2000 PICS End Patrol  
Fri Jun 9 22:06:12 GMT 2000 CHIP CHIP End Patrol  
Fri Jun 9 22:06:44 GMT 2000 CHIP ending tape  
COMMENT: Fri Jun 9 22:07:10 GMT 2000

Tapes:

MKIV: 00-161

PICS: P01771

CHIP: C01150

LOWL: L00721

Fri Jun 9 22:09:51 GMT 2000

MkIV

16_28.rawmk4	17_37.rawmk4	18_55.rawmk4	20_08.rawmk4	21_16.rawmk4
16_31.rawmk4	17_40.rawmk4	18_58.rawmk4	20_11.rawmk4	21_19.rawmk4
16_34.rawmk4	17_43.rawmk4	19_01.rawmk4	20_14.rawmk4	21_22.rawmk4
16_37.rawmk4	17_46.rawmk4	19_04.rawmk4	20_17.rawmk4	21_25.rawmk4
16_40.rawmk4	17_49.rawmk4	19_07.rawmk4	20_20.rawmk4	21_28.rawmk4
16_43.rawmk4	17_52.rawmk4	19_10.rawmk4	20_23.rawmk4	21_31.rawmk4
16_46.rawmk4	17_55.rawmk4	19_13.rawmk4	20_26.rawmk4	21_34.rawmk4
16_49.rawmk4	17_58.rawmk4	19_16.rawmk4	20_29.rawmk4	21_37.rawmk4
16_52.rawmk4	18_04.rawmk4	19_19.rawmk4	20_32.rawmk4	21_40.rawmk4
16_55.rawmk4	18_10.rawmk4	19_22.rawmk4	20_35.rawmk4	21_43.rawmk4
16_58.rawmk4	18_17.rawmk4	19_30.rawmk4	20_38.rawmk4	21_46.rawmk4
17_01.rawmk4	18_20.rawmk4	19_32.rawmk4	20_41.rawmk4	21_49.rawmk4
17_04.rawmk4	18_23.rawmk4	19_35.rawmk4	20_44.rawmk4	21_52.rawmk4
17_07.rawmk4	18_26.rawmk4	19_38.rawmk4	20_47.rawmk4	21_55.rawmk4
17_10.rawmk4	18_29.rawmk4	19_41.rawmk4	20_50.rawmk4	21_58.rawmk4
17_13.rawmk4	18_32.rawmk4	19_44.rawmk4	20_53.rawmk4	22_01.rawmk4
17_14.rawmk4	18_35.rawmk4	19_47.rawmk4	20_56.rawmk4	c18_01.rawmk4
17_18.rawmk4	18_38.rawmk4	19_50.rawmk4	20_59.rawmk4	c18_07.rawmk4
17_22.rawmk4	18_41.rawmk4	19_53.rawmk4	21_01.rawmk4	c18_13.rawmk4
17_25.rawmk4	18_43.rawmk4	19_56.rawmk4	21_04.rawmk4	
17_28.rawmk4	18_46.rawmk4	19_59.rawmk4	21_07.rawmk4	
17_31.rawmk4	18_49.rawmk4	20_02.rawmk4	21_10.rawmk4	
17_34.rawmk4	18_52.rawmk4	20_05.rawmk4	21_13.rawmk4	