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Mauna Loa Solar Observatory Observer's Log  
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Tue Sep 22 16:37:13 GMT 1998

Year: 98 Doy: 265

Observer: yasukawa

WEATHER COMMENT: Tue Sep 22 16:37:52 GMT 1998

Cool, clear, light southeast wind.

Tue Sep 22 16:38:14 GMT 1998 CHIP Startup--Initializing new tape

Tue Sep 22 16:43:23 GMT 1998 CHIP CHIP Start Patrol

Tue Sep 22 16:43:33 GMT 1998 MKIII Start Patrol

Tue Sep 22 16:43:45 GMT 1998 PICS Start Patrol

Tue Sep 22 17:01:53 GMT 1998 CHIP Bias

Tue Sep 22 17:02:40 GMT 1998 PICS Flat

Tue Sep 22 17:02:51 GMT 1998 CHIP End Bias

Tue Sep 22 17:03:01 GMT 1998 CHIP Water

Tue Sep 22 17:03:40 GMT 1998 CHIP End Water

Tue Sep 22 17:04:07 GMT 1998 PICS End Flat

LOW-L COMMENT: Tue Sep 22 17:18:47 GMT 1998

It seems that Alice's ephemeris fix has successfully gotten the

LOWL thru the autumnal equinox without screwing up the guiding.

\*\*PSPT PROBLEM\*\* : Tue Sep 22 17:40:40 GMT 1998

Images are quite fuzzy. I think the active mirror is oscillating,  
this time from the first Run sequences. Mirror circuits are deteriorating.

Tue Sep 22 18:00:48 GMT 1998 CHIP Bias

Tue Sep 22 18:01:46 GMT 1998 CHIP End Bias

Tue Sep 22 18:01:56 GMT 1998 CHIP Water

Tue Sep 22 18:02:38 GMT 1998 PICS Flat

Tue Sep 22 18:02:35 GMT 1998 CHIP End Water

Tue Sep 22 18:04:13 GMT 1998 PICS End Flat

\*\*PSPT PROBLEM\*\* : Tue Sep 22 18:10:36 GMT 1998

Since both X and Y meters display the oscillation symptoms,  
the problem must be at some common point. I see only one common  
point in the schematics--U4, an AD7592 on the Active Mirror Servo  
card. The other common factor is the solar image diameter.

\*\*PSPT PROBLEM\*\* : Tue Sep 22 18:37:25 GMT 1998

Depending on where the meters are looking at error signals, another  
common failure point could be the DSP board in the PC.

Tue Sep 22 19:02:43 GMT 1998 PICS Flat

Tue Sep 22 19:02:58 GMT 1998 CHIP Bias

Tue Sep 22 19:03:57 GMT 1998 CHIP End Bias

Tue Sep 22 19:04:13 GMT 1998 PICS End Flat

Tue Sep 22 19:04:08 GMT 1998 CHIP Water

Tue Sep 22 19:04:54 GMT 1998 CHIP End Water

COMMENT: Tue Sep 22 19:11:13 GMT 1998

Stopping to reconfigure dome shutter.

Tue Sep 22 19:11:40 GMT 1998 PICS End Patrol

Tue Sep 22 19:11:40 GMT 1998 PICS End Patrol

Tue Sep 22 19:21:25 GMT 1998 MKIII Start Patrol  
 Tue Sep 22 19:21:59 GMT 1998 PICS Start Patrol  
 Tue Sep 22 19:21:59 GMT 1998 PICS Start Patrol  
 Tue Sep 22 20:01:54 GMT 1998 CHIP Gain  
 Tue Sep 22 20:02:40 GMT 1998 PICS Flat  
 Tue Sep 22 20:04:14 GMT 1998 PICS End Flat  
 Tue Sep 22 20:06:36 GMT 1998 CHIP End Gain  
 Tue Sep 22 20:06:47 GMT 1998 CHIP Bias  
 Tue Sep 22 20:07:35 GMT 1998 CHIP End Bias  
 Tue Sep 22 20:07:45 GMT 1998 CHIP Water  
 Tue Sep 22 20:08:21 GMT 1998 CHIP End Water  
 Tue Sep 22 21:02:39 GMT 1998 PICS Flat  
 Tue Sep 22 21:02:53 GMT 1998 CHIP Bias  
 Tue Sep 22 21:04:04 GMT 1998 PICS End Flat  
 Tue Sep 22 21:04:04 GMT 1998 PICS End Flat  
 Tue Sep 22 21:04:07 GMT 1998 CHIP Water  
 Tue Sep 22 21:04:56 GMT 1998 CHIP End Water  
 Tue Sep 22 22:02:40 GMT 1998 PICS Flat  
 Tue Sep 22 22:02:51 GMT 1998 CHIP Bias

\*\*CHIP PROBLEM\*\*: Tue Sep 22 22:03:38 GMT 1998

CHIP Exabyte drive bottom green and top amber LEDs are flashing at a 2/sec cadence. Tape data may be bad from some point today. at

Tue Sep 22 22:04:52 GMT 1998 CHIP End Water

\*\*CHIP PROBLEM\*\*: Tue Sep 22 22:06:52 GMT 1998

Manual indicates LEDs requesting a cleaning. I will run a cleaning tape thru the drive at the end of observations.

Tue Sep 22 22:08:35 GMT 1998 PICS End Patrol

Tue Sep 22 22:08:29 GMT 1998 CHIP CHIP End Patrol

Tue Sep 22 22:09:15 GMT 1998 CHIP ending tape

COMMENT: Tue Sep 22 22:09:33 GMT 1998

Tapes:

PICS: P01300

CHIP: C00697

LOWL: L00544

Tue Sep 22 22:11:14 GMT 1998

MkIII

16_43.rawmk3	17_48.rawmk3	19_02.rawmk3	20_11.rawmk3	21_15.rawmk3
16_46.rawmk3	17_50.rawmk3	19_04.rawmk3	20_14.rawmk3	21_18.rawmk3
16_49.rawmk3	17_53.rawmk3	19_07.rawmk3	20_17.rawmk3	21_21.rawmk3
16_52.rawmk3	17_56.rawmk3	19_10.rawmk3	20_19.rawmk3	21_24.rawmk3
16_55.rawmk3	17_59.rawmk3	19_13.rawmk3	20_22.rawmk3	21_27.rawmk3
16_58.rawmk3	18_02.rawmk3	19_21.rawmk3	20_25.rawmk3	21_30.rawmk3
17_01.rawmk3	18_08.rawmk3	19_24.rawmk3	20_28.rawmk3	21_32.rawmk3
17_04.rawmk3	18_14.rawmk3	19_27.rawmk3	20_31.rawmk3	21_35.rawmk3
17_07.rawmk3	18_20.rawmk3	19_30.rawmk3	20_34.rawmk3	21_38.rawmk3
17_10.rawmk3	18_24.rawmk3	19_33.rawmk3	20_37.rawmk3	21_41.rawmk3

17_12.rawmk3	18_26.rawmk3	19_36.rawmk3	20_40.rawmk3	21_44.rawmk3
17_15.rawmk3	18_29.rawmk3	19_39.rawmk3	20_43.rawmk3	21_47.rawmk3
17_18.rawmk3	18_32.rawmk3	19_41.rawmk3	20_46.rawmk3	21_50.rawmk3
17_21.rawmk3	18_35.rawmk3	19_44.rawmk3	20_49.rawmk3	21_53.rawmk3
17_24.rawmk3	18_38.rawmk3	19_47.rawmk3	20_52.rawmk3	21_56.rawmk3
17_27.rawmk3	18_41.rawmk3	19_50.rawmk3	20_54.rawmk3	21_59.rawmk3
17_30.rawmk3	18_44.rawmk3	19_53.rawmk3	20_57.rawmk3	22_02.rawmk3
17_33.rawmk3	18_47.rawmk3	19_56.rawmk3	21_00.rawmk3	c18_05.rawmk3
17_36.rawmk3	18_50.rawmk3	19_59.rawmk3	21_03.rawmk3	c18_11.rawmk3
17_39.rawmk3	18_53.rawmk3	20_02.rawmk3	21_06.rawmk3	c18_17.rawmk3
17_42.rawmk3	18_56.rawmk3	20_05.rawmk3	21_09.rawmk3	
17_45.rawmk3	18_59.rawmk3	20_08.rawmk3	21_12.rawmk3	