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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
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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
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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
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