

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Fri Sep 18 16:33:12 GMT 1998

Year: 98 Doy: 261

Observer: yasukawa

WEATHER COMMENT: Fri Sep 18 16:34:14 GMT 1998

Cool, clear, light southwest breeze.

Fri Sep 18 16:38:55 GMT 1998 CHIP Startup--Initializing new tape

Fri Sep 18 16:44:25 GMT 1998 CHIP CHIP Start Patrol

Fri Sep 18 16:44:44 GMT 1998 PICS Start Patrol

Fri Sep 18 16:46:42 GMT 1998 MKIII Start Patrol

COMMENT: Fri Sep 18 16:51:54 GMT 1998

Network is down somewhere before UH.

Fri Sep 18 17:00:42 GMT 1998 PICS Flat

Fri Sep 18 17:02:10 GMT 1998 PICS End Flat

Fri Sep 18 17:02:48 GMT 1998 CHIP Bias

Fri Sep 18 17:03:41 GMT 1998 CHIP End Bias

Fri Sep 18 17:03:51 GMT 1998 CHIP Water

Fri Sep 18 17:04:32 GMT 1998 CHIP End Water

Fri Sep 18 18:00:45 GMT 1998 PICS Flat

Fri Sep 18 18:01:47 GMT 1998 CHIP Bias

COMMENT: Fri Sep 18 18:02:07 GMT 1998

Network is still down.

1998 PICS End Flat

Fri Sep 18 18:02:40 GMT 1998 CHIP End Bias

Fri Sep 18 18:02:56 GMT 1998 CHIP Water

Fri Sep 18 18:03:41 GMT 1998 CHIP End Water

Fri Sep 18 19:00:45 GMT 1998 PICS Flat

Fri Sep 18 19:00:58 GMT 1998 CHIP Bias

Fri Sep 18 19:01:56 GMT 1998 CHIP End Bias

Fri Sep 18 19:02:06 GMT 1998 CHIP Water

Fri Sep 18 19:02:06 GMT 1998 CHIP Water

Fri Sep 18 19:02:59 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\*: Fri Sep 18 19:05:22 GMT 1998

1900 awakening took 13 tries before mirror settled enough to move onto 'Active mirror OK' prompt. While taking exposures mirror servo meters were visibly oscillating +/- 4 mV at a sorta choppy 1-2/sec frequency.

\*\*PSPT PROBLEM\*\*: Fri Sep 18 19:18:22 GMT 1998

Mid program, mirror is oscillating again.

\*\*PSPT PROBLEM\*\*: Fri Sep 18 19:22:28 GMT 1998

Mirror settled and program continued.

COMMENT: Fri Sep 18 19:26:13 GMT 1998

Stopping to reconfigure dome shutter.

Patrol

Fri Sep 18 19:27:29 GMT 1998 CHIP CHIP End Patrol

Fri Sep 18 19:36:31 GMT 1998 MKIII Start Patrol

Fri Sep 18 19:36:58 GMT 1998 PICS Start Patrol

Fri Sep 18 19:36:53 GMT 1998 CHIP CHIP Start Patrol  
\*\*PSPT PROBLEM\*\* Fri Sep 18 19:37:16 GMT 1998  
last images on PSPT very soft, probably due to mirror oscillation.  
COMMENT: Fri Sep 18 19:59:29 GMT 1998  
Network still down. Intermittently up to sites other than mainland ones.  
\*\*PSPT PROBLEM\*\* Fri Sep 18 20:01:34 GMT 1998  
Mirror oscillating at start of 2000 UT awakening. Swings at +/- 4 mV,  
will see if it can overcome the oscillations.  
Fri Sep 18 20:04:07 GMT 1998 PICS End Flat  
Fri Sep 18 20:06:45 GMT 1998 CHIP End Gain  
Fri Sep 18 20:06:55 GMT 1998 CHIP Bias  
Fri Sep 18 20:07:43 GMT 1998 CHIP End Bias  
Fri Sep 18 20:07:53 GMT 1998 CHIP Water  
Fri Sep 18 20:08:29 GMT 1998 CHIP End Water  
\*\*PSPT PROBLEM\*\* Fri Sep 18 20:11:26 GMT 1998  
PSPT could not lock guider. Quit. Turned off PSPT to "rest" it.  
\*\*PSPT PROBLEM\*\* Fri Sep 18 20:37:51 GMT 1998  
PSPT started up again (typed Run) after a rest period.  
\*\*PSPT PROBLEM\*\* Fri Sep 18 21:01:18 GMT 1998  
Mirror servo meters swinging +/- 30 mV lazily at around 0.5/sec freq.  
Image very soft.  
Fri Sep 18 21:02:47 GMT 1998 PICS Flat  
Fri Sep 18 21:02:50 GMT 1998 CHIP Bias  
Fri Sep 18 21:03:46 GMT 1998 CHIP End Bias  
Fri Sep 18 21:03:56 GMT 1998 CHIP Water  
Fri Sep 18 21:04:16 GMT 1998 PICS End Flat  
Fri Sep 18 21:04:40 GMT 1998 CHIP End Water  
\*\*PSPT PROBLEM\*\* Fri Sep 18 21:23:59 GMT 1998  
Mirror oscillating, next Obs run would not start up. Quit.  
WEATHER COMMENT: Fri Sep 18 21:25:49 GMT 1998  
Passing cirrus.  
\*\*PSPT PROBLEM\*\* Fri Sep 18 21:50:51 GMT 1998  
Inspected Mirror servo card. Removed some corrosion between two  
solder joints on underside of board near edge connector. Pair of  
jumper wires soldered to U3 were heat-fused where they crossed  
near the IC solderjoints. Under wire's insulation was melted thru,  
couldn't see if over wire's insulation had melted. Two wires are  
fairly tight, but I managed to separate them a little bit. There  
is some corrosion or dry-deposition on the U4 header at pins 7 and 8.  
Cleaned that off. U4 may be a point where the +/- input to the  
drive amplifiers may be getting oscillated.  
Fri Sep 18 22:01:50 GMT 1998 CHIP Bias  
Fri Sep 18 22:02:38 GMT 1998 PICS Flat  
Fri Sep 18 22:02:51 GMT 1998 CHIP End Bias  
Fri Sep 18 22:03:05 GMT 1998 CHIP Water  
Fri Sep 18 22:04:04 GMT 1998 PICS End Flat  
Fri Sep 18 22:04:04 GMT 1998 PICS End Flat  
Fri Sep 18 22:08:43 GMT 1998 PICS End Patrol

Fri Sep 18 22:10:32 GMT 1998 CHIP CHIP End Patrol

COMMENT: Fri Sep 18 22:11:20 GMT 1998

Tapes:

PICS: P01297

CHIP: C00694

LOWL: L00543

Fri Sep 18 22:15:35 GMT 1998

MkIII

16_46.rawmk3	17_51.rawmk3	19_05.rawmk3	20_14.rawmk3	21_18.rawmk3
16_49.rawmk3	17_54.rawmk3	19_08.rawmk3	20_17.rawmk3	21_21.rawmk3
16_52.rawmk3	17_57.rawmk3	19_11.rawmk3	20_20.rawmk3	21_24.rawmk3
16_55.rawmk3	17_59.rawmk3	19_14.rawmk3	20_23.rawmk3	21_27.rawmk3
16_58.rawmk3	18_05.rawmk3	19_16.rawmk3	20_26.rawmk3	21_30.rawmk3
17_01.rawmk3	18_12.rawmk3	19_19.rawmk3	20_29.rawmk3	21_33.rawmk3
17_04.rawmk3	18_18.rawmk3	19_22.rawmk3	20_32.rawmk3	21_36.rawmk3
17_07.rawmk3	18_21.rawmk3	19_25.rawmk3	20_35.rawmk3	21_39.rawmk3
17_10.rawmk3	18_24.rawmk3	19_28.rawmk3	20_37.rawmk3	21_42.rawmk3
17_13.rawmk3	18_27.rawmk3	19_36.rawmk3	20_40.rawmk3	21_45.rawmk3
17_16.rawmk3	18_30.rawmk3	19_39.rawmk3	20_43.rawmk3	21_48.rawmk3
17_19.rawmk3	18_33.rawmk3	19_42.rawmk3	20_46.rawmk3	21_51.rawmk3
17_21.rawmk3	18_36.rawmk3	19_45.rawmk3	20_49.rawmk3	21_54.rawmk3
17_24.rawmk3	18_38.rawmk3	19_48.rawmk3	20_52.rawmk3	21_57.rawmk3
17_27.rawmk3	18_41.rawmk3	19_51.rawmk3	20_55.rawmk3	21_59.rawmk3
17_30.rawmk3	18_44.rawmk3	19_54.rawmk3	20_58.rawmk3	22_02.rawmk3
17_33.rawmk3	18_47.rawmk3	19_57.rawmk3	21_01.rawmk3	22_05.rawmk3
17_36.rawmk3	18_50.rawmk3	19_59.rawmk3	21_04.rawmk3	22_08.rawmk3
17_39.rawmk3	18_53.rawmk3	20_02.rawmk3	21_07.rawmk3	22_11.rawmk3
17_42.rawmk3	18_56.rawmk3	20_05.rawmk3	21_10.rawmk3	c18_02.rawmk3
17_45.rawmk3	18_59.rawmk3	20_08.rawmk3	21_13.rawmk3	c18_09.rawmk3
17_48.rawmk3	19_02.rawmk3	20_11.rawmk3	21_15.rawmk3	c18_15.rawmk3