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Mauna Loa Solar Observatory Observer's Log  
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Fri Feb 25 18:39:19 GMT 2000

Year: 00 Doy: 056

Observer: yasukawa

WEATHER COMMENT: Fri Feb 25 18:40:19 GMT 2000

Cool, in broken cirrus, strong southeast wind. Huge brushfire on east slope of Mauna Kea, heavy smoke across saddle.

Fri Feb 25 18:41:31 GMT 2000 CHIP Startup--Initializing new tape

Fri Feb 25 18:45:09 GMT 2000 PICS Start Patrol

Fri Feb 25 18:45:15 GMT 2000 MKIV Start Patrol

COMMENT: Fri Feb 25 18:45:23 GMT 2000

Late start, wife out of town, had to deliver kids to school at a decent hour before leaving for observatory.

WEATHER COMMENT: Fri Feb 25 19:10:33 GMT 2000

still in thin cirrus.

\*\*PSPT PROBLEM\*\*: Fri Feb 25 19:10:54 GMT 2000

Looked at waveform at U4, pin 11, Y-Drive output, on the mirror servo card. During active mirror vibration and fuzzy imaging, I saw a finely stepped (superimposed on top of) sinewave approximately 15-17 volt P-P, at around 20 ms. When the mirror stopped oscillating and operated normally, irregular sinewave appeared, approximately 1 volt peak, at around 100 ms. Will continue troubleshooting to determine if oscillation is coming from U4 or an input source to U4. This procedure is opportunistic as the oscillation is intermittent.

\*\*\*\* EVENT COMMENT \*\*\*\*: Fri Feb 25 20:10:01 GMT 2000

Streamer with base at PA 45 appears to be expanding northward at its outer edges.

COMMENT: Fri Feb 25 20:33:07 GMT 2000

PSPT demanded attention by losing guiding, meanwhile the main system spar declination reset itself. Caught it in good time, repointed spar and reset guider.

WEATHER COMMENT: Fri Feb 25 20:53:17 GMT 2000

in thin cirrus

\*\*PSPT PROBLEM\*\*: Fri Feb 25 20:55:04 GMT 2000

Guider keeps trying to drive spar away from sun, mostly in RA, toward west. Stopped obs. putting active mirror oscillation investigation on back burner for now, looking into guiding problem. Will try another gdr ephmcal.

\*\*CHIP PROBLEM\*\*: Fri Feb 25 21:10:53 GMT 2000

I don't know how long CHIP was stalled at the usual place while I was working on PSPT stuff. Did a Cancel Wait to resume program.

\*\*PSPT PROBLEM\*\*: Fri Feb 25 21:34:50 GMT 2000

Looking back thru tablet, problem may be due to continued lack of range on the declination limit ring. When I checked, it looked like there m be lots of range, but it may already have been driving off into never-never land, totally lost.

\*\*PSPT PROBLEM\*\* : Fri Feb 25 21:44:14 GMT 2000

Pointed spar to sun with guider servo off, looks like I was correct in my first observation that there was plenty of room left on the declination limit ring so that was not the problem.

WEATHER COMMENT: Fri Feb 25 22:03:43 GMT 2000

In cirrus

\*\*CHIP PROBLEM\*\* : Fri Feb 25 22:04:20 GMT 2000

CHIP stalled again.... again while I was tending to PSPT!!!

Cancelling Wait to resume.

Fri Feb 25 22:07:15 GMT 2000 PICS End Patrol

Fri Feb 25 22:08:09 GMT 2000 CHIP CHIP End Patrol

Fri Feb 25 22:08:40 GMT 2000 CHIP ending tape

COMMENT: Fri Feb 25 22:12:49 GMT 2000

Tapes:

MKIV: 00-056

PICS: P01674

CHIP: C01053

LOWL: L00673 in drive #0

Fri Feb 25 22:13:49 GMT 2000

MkIV

18_45.rawmk4	19_26.rawmk4	20_18.rawmk4	20_59.rawmk4	21_40.rawmk4
18_48.rawmk4	19_29.rawmk4	20_21.rawmk4	21_02.rawmk4	21_43.rawmk4
18_51.rawmk4	19_32.rawmk4	20_23.rawmk4	21_05.rawmk4	21_46.rawmk4
18_54.rawmk4	19_35.rawmk4	20_26.rawmk4	21_08.rawmk4	21_49.rawmk4
18_57.rawmk4	19_41.rawmk4	20_29.rawmk4	21_11.rawmk4	21_52.rawmk4
19_00.rawmk4	19_47.rawmk4	20_32.rawmk4	21_14.rawmk4	21_55.rawmk4
19_03.rawmk4	19_54.rawmk4	20_35.rawmk4	21_17.rawmk4	21_58.rawmk4
19_06.rawmk4	19_57.rawmk4	20_38.rawmk4	21_20.rawmk4	22_01.rawmk4
19_09.rawmk4	20_00.rawmk4	20_41.rawmk4	21_23.rawmk4	22_04.rawmk4
19_12.rawmk4	20_03.rawmk4	20_44.rawmk4	21_26.rawmk4	c19_38.rawmk4
19_14.rawmk4	20_06.rawmk4	20_47.rawmk4	21_29.rawmk4	c19_44.rawmk4
19_17.rawmk4	20_09.rawmk4	20_50.rawmk4	21_32.rawmk4	c19_51.rawmk4
19_20.rawmk4	20_12.rawmk4	20_53.rawmk4	21_35.rawmk4	
19_23.rawmk4	20_15.rawmk4	20_56.rawmk4	21_38.rawmk4	