

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

Wed Apr 15 17:01:40 GMT 1998

Year: 98 Doy: 105

Observer: koon

WEATHER COMMENT: Wed Apr 15 17:01:56 GMT 1998

Clear sky, wind=15 mph from the SSE, temp=42 F.

PICS COMMENT: Wed Apr 15 17:02:17 GMT 1998

Cleaned the tape drive as requested on the screen.

Wed Apr 15 17:02:46 GMT 1998 CHIP Startup--Initializing new tape

Wed Apr 15 17:08:35 GMT 1998 MKIII Start Patrol

Wed Apr 15 17:08:36 GMT 1998 PICS Start Patrol

Wed Apr 15 17:08:36 GMT 1998 PICS Start Patrol

PSPT COMMENT: Wed Apr 15 17:52:20 GMT 1998

It looks like mirror axis #1 wasn't stopping at the desired position, it just kept running farther away from the correct position. The only way to stop it was to reset the PC, but after doing that I noticed that the dome azimuth drive was slipping quite a bit after I restarted using Run. I don't know if the two problems are related but I'll look at the dome drive problem first.

Wed Apr 15 18:01:23 GMT 1998 PICS Flat

Wed Apr 15 18:02:55 GMT 1998 PICS End Flat

Wed Apr 15 18:03:01 GMT 1998 CHIP Bias

Wed Apr 15 18:04:04 GMT 1998 CHIP End Bias

Wed Apr 15 18:04:14 GMT 1998 CHIP Water

Wed Apr 15 18:05:09 GMT 1998 CHIP End Water

COMMENT: Wed Apr 15 18:27:26 GMT 1998

\*\*\*\*\*RECYCLED H01802\*\*\*\*\*

PSPT COMMENT: Wed Apr 15 18:59:21 GMT 1998

Adjusted the dome azimuth motor assembly gear meshing to the dome track, now the dome rotates without slipping the gear over the track. Now the observing program is progressing as it should, it looks like the dome tracking problem was the root of the other problem.

Bias

Wed Apr 15 19:04:33 GMT 1998 CHIP Water

Wed Apr 15 19:05:23 GMT 1998 CHIP End Water

Wed Apr 15 19:16:47 GMT 1998 MKIII Start Cal

Wed Apr 15 20:02:25 GMT 1998 PICS Flat

Wed Apr 15 20:03:03 GMT 1998 CHIP Gain

Wed Apr 15 20:03:53 GMT 1998 PICS End Flat

Wed Apr 15 20:09:00 GMT 1998 CHIP End Gain

Wed Apr 15 20:09:10 GMT 1998 CHIP Bias

Wed Apr 15 20:10:05 GMT 1998 CHIP End Bias

Wed Apr 15 20:10:15 GMT 1998 CHIP Water

Wed Apr 15 20:11:01 GMT 1998 CHIP End Water

COMMENT: Wed Apr 15 20:51:35 GMT 1998

Extended the dome slot.

Wed Apr 15 21:00:23 GMT 1998	PICS	Flat
Wed Apr 15 21:01:54 GMT 1998	PICS	End Flat
Wed Apr 15 21:03:03 GMT 1998	CHIP	Bias
Wed Apr 15 21:04:22 GMT 1998	CHIP	End Bias
Wed Apr 15 21:04:32 GMT 1998	CHIP	Water
Wed Apr 15 21:05:18 GMT 1998	CHIP	End Water
Wed Apr 15 22:01:18 GMT 1998	PICS	Flat
Wed Apr 15 22:02:48 GMT 1998	PICS	End Flat
Wed Apr 15 22:03:04 GMT 1998	CHIP	Bias
Wed Apr 15 22:04:04 GMT 1998	CHIP	End Bias
Wed Apr 15 22:04:16 GMT 1998	CHIP	Water
Wed Apr 15 22:05:11 GMT 1998	CHIP	End Water
Wed Apr 15 22:31:13 GMT 1998	PICS	End Patrol
Wed Apr 15 22:32:33 GMT 1998	CHIP	CHIP End Patrol

PSPT COMMENT: Wed Apr 15 22:45:58 GMT 1998

Guider couldn't lock on the sun, had to type q to quit, then it got stuck in another loop and I had to type q a second time to really quit to the IDL prompt. The dome isn't blocking the sun so maybe this is another ephemeris problem. I used Obs to exit gracefully.

COMMENT: Wed Apr 15 23:10:54 GMT 1998

TAPES:

\*\*\*\*\*

MKIII: H01803

PICS: P01169

CHIP: C00558

LOWL: L00507 in drive #0

Wed Apr 15 23:12:06 GMT 1998

MkIII

17_08.rawmk3	18_13.rawmk3	19_32.rawmk3	20_36.rawmk3	21_41.rawmk3
17_11.rawmk3	18_16.rawmk3	19_35.rawmk3	20_39.rawmk3	21_43.rawmk3
17_14.rawmk3	18_19.rawmk3	19_38.rawmk3	20_42.rawmk3	21_46.rawmk3
17_17.rawmk3	18_21.rawmk3	19_41.rawmk3	20_45.rawmk3	21_49.rawmk3
17_20.rawmk3	18_24.rawmk3	19_44.rawmk3	20_48.rawmk3	21_52.rawmk3
17_23.rawmk3	18_27.rawmk3	19_47.rawmk3	20_51.rawmk3	21_55.rawmk3
17_26.rawmk3	18_30.rawmk3	19_49.rawmk3	20_54.rawmk3	21_58.rawmk3
17_29.rawmk3	18_33.rawmk3	19_52.rawmk3	20_57.rawmk3	22_01.rawmk3
17_32.rawmk3	18_36.rawmk3	19_55.rawmk3	21_00.rawmk3	22_04.rawmk3
17_35.rawmk3	18_39.rawmk3	19_58.rawmk3	21_03.rawmk3	22_07.rawmk3
17_38.rawmk3	18_42.rawmk3	20_01.rawmk3	21_05.rawmk3	22_10.rawmk3
17_41.rawmk3	18_45.rawmk3	20_04.rawmk3	21_08.rawmk3	22_13.rawmk3
17_43.rawmk3	18_48.rawmk3	20_07.rawmk3	21_11.rawmk3	22_16.rawmk3
17_46.rawmk3	18_51.rawmk3	20_10.rawmk3	21_14.rawmk3	22_19.rawmk3
17_49.rawmk3	18_54.rawmk3	20_13.rawmk3	21_17.rawmk3	22_21.rawmk3
17_52.rawmk3	18_57.rawmk3	20_16.rawmk3	21_20.rawmk3	22_24.rawmk3

17_55.rawmk3	18_59.rawmk3	20_19.rawmk3	21_23.rawmk3	22_27.rawmk3
17_58.rawmk3	19_02.rawmk3	20_22.rawmk3	21_26.rawmk3	c19_16.rawmk3
18_01.rawmk3	19_05.rawmk3	20_25.rawmk3	21_29.rawmk3	c19_22.rawmk3
18_04.rawmk3	19_08.rawmk3	20_27.rawmk3	21_32.rawmk3	c19_29.rawmk3
18_07.rawmk3	19_19.rawmk3	20_30.rawmk3	21_35.rawmk3	
18_10.rawmk3	19_26.rawmk3	20_33.rawmk3	21_38.rawmk3	