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Mauna Loa Solar Observatory Observer's Log  
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Sun May 28 17:02:24 GMT 2000

Year: 00 Doy: 149

Observer: koon

WEATHER COMMENT: Sun May 28 17:02:45 GMT 2000

Clear sky, wind=5 mph from the East, temp=50 F.

ializing new tape

MKIV COMMENT: Sun May 28 17:04:33 GMT 2000

GUI momitor stayed in power saving mode, cycled main power switch and tried again.

Sun May 28 17:08:45 GMT 2000 MKIV Start Patrol

Sun May 28 17:09:05 GMT 2000 PICS Start Patrol

Sun May 28 17:09:07 GMT 2000 CHIP CHIP Start 7 Passband Patrol

**\*\*LOW-L PROBLEM\*\***: Sun May 28 17:11:53 GMT 2000

Crashed yesterday at 00:45:30 with message:tape tapel:header, same old problem for this drive (previously drive #0), it got 34 files on tape which is more than I remember it getting before previous crashes. Instrument pointing West. Removed L00717 from drive #1 and installed L00719 there, restarted with data going to L00718 in drive #0.

Sun May 28 18:02:56 GMT 2000 PICS Flat

Sun May 28 18:05:47 GMT 2000 PICS End Flat

**\*\*\*\* EVENT COMMENT \*\*\*\***: Sun May 28 18:34:02 GMT 2000

Some movement is visible at PA=295 for the last hour, no evident CME, maybe a changing prominence.

Sun May 28 20:02:21 GMT 2000 CHIP Gain7

Sun May 28 20:10:59 GMT 2000 CHIP End Gain

Sun May 28 20:11:14 GMT 2000 CHIP Bias

Sun May 28 20:12:24 GMT 2000 CHIP End Bias

COMMENT: Sun May 28 20:22:07 GMT 2000

Extended the dome slot.

WEATHER COMMENT: Sun May 28 20:22:19 GMT 2000

Orographic clouds are starting to pas over.

**\*\*PICS PROBLEM\*\***: Sun May 28 20:32:02 GMT 2000

I've been bumping around the spar trying to find the source of a noise. The gearbox for the 6-station wheel is very noisy during the movement of that occulting wheel. Troubleshooting is ongoing.

MKIV COMMENT: Sun May 28 20:41:30 GMT 2000

Pausing due to clouds.

PICS COMMENT: Sun May 28 20:53:21 GMT 2000

Pausing to work on occulting wheel trans.

Sun May 28 20:54:20 GMT 2000 PICS End Patrol

**\*\*PICS PROBLEM\*\***: Sun May 28 22:10:43 GMT 2000

I disassembled the occulting wheel gearbox and cleaned and inspected all the parts, there was no damages, maybe the noise was gear chatter caused by vibration harmonics. I repacked all with grease and it sounds good now. Before disassembling I isolated the noise to the motor/gearbox assembly

using a power supply.

WEATHER COMMENT: Sun May 28 22:13:55 GMT 2000

Lots of clouds for the last few hours.

Sun May 28 22:16:50 GMT 2000 CHIP CHIP End Patrol

Sun May 28 22:18:17 GMT 2000 CHIP ending tape

COMMENT: Sun May 28 22:22:06 GMT 2000

TAPES:

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MKIV: 00-149

CHIP: C01138

PICS: P01759

LOWL: L00718 in drive #0.

Sun May 28 22:23:06 GMT 2000

MkIV

17_08.rawmk4	18_03.rawmk4	18_47.rawmk4	19_32.rawmk4	20_16.rawmk4
17_11.rawmk4	18_06.rawmk4	18_50.rawmk4	19_35.rawmk4	20_19.rawmk4
17_14.rawmk4	18_09.rawmk4	18_53.rawmk4	19_38.rawmk4	20_22.rawmk4
17_17.rawmk4	18_12.rawmk4	18_56.rawmk4	19_41.rawmk4	20_25.rawmk4
17_20.rawmk4	18_15.rawmk4	18_59.rawmk4	19_43.rawmk4	20_28.rawmk4
17_23.rawmk4	18_17.rawmk4	19_02.rawmk4	19_46.rawmk4	20_31.rawmk4
17_26.rawmk4	18_20.rawmk4	19_05.rawmk4	19_49.rawmk4	20_34.rawmk4
17_29.rawmk4	18_23.rawmk4	19_08.rawmk4	19_52.rawmk4	20_37.rawmk4
17_35.rawmk4	18_26.rawmk4	19_11.rawmk4	19_55.rawmk4	20_40.rawmk4
17_41.rawmk4	18_29.rawmk4	19_14.rawmk4	19_58.rawmk4	c17_32.rawmk4
17_48.rawmk4	18_32.rawmk4	19_17.rawmk4	20_01.rawmk4	c17_38.rawmk4
17_51.rawmk4	18_35.rawmk4	19_20.rawmk4	20_04.rawmk4	c17_44.rawmk4
17_54.rawmk4	18_38.rawmk4	19_23.rawmk4	20_07.rawmk4	
17_57.rawmk4	18_41.rawmk4	19_26.rawmk4	20_10.rawmk4	
18_00.rawmk4	18_44.rawmk4	19_29.rawmk4	20_13.rawmk4	