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Mauna Loa Solar Observatory Observer's Log  
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Sun Feb 13 17:26:15 GMT 2000

Year: 00 Doy: 044

Observer: koon

WEATHER COMMENT: Sun Feb 13 17:26:44 GMT 2000

Clear sky, wind=5 mph from the South, temp=42 F.

alizing new tape

Sun Feb 13 17:33:35 GMT 2000 MKIV Start Cal

Sun Feb 13 17:33:47 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Sun Feb 13 17:33:47 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Sun Feb 13 17:34:09 GMT 2000 MKIV End Cal

Sun Feb 13 17:34:13 GMT 2000 MKIV Start Patrol

MKIV COMMENT: Sun Feb 13 17:34:30 GMT 2000

Accidentally started a Cal instead of Patrol, Aborted and started Patrol.

Sun Feb 13 18:02:51 GMT 2000 PICS Flat

Sun Feb 13 18:05:26 GMT 2000 PICS End Flat

Sun Feb 13 20:02:31 GMT 2000 CHIP Gain7

Sun Feb 13 20:11:05 GMT 2000 CHIP End Gain

Sun Feb 13 20:11:20 GMT 2000 CHIP Bias

Sun Feb 13 20:12:03 GMT 2000 CHIP End Bias

\*\*MLSO PROBLEM\*\* Sun Feb 13 21:50:03 GMT 2000

The spar was off-pointed for about 15 minutes while I released the declination drive clutch and fine tuned the dec oriented spar balance, then I tightened the dec clutch more than it was previously. This was done in hopes of steadying the dec motion more and preventing the loss of dec tracking around noon. I haven't reset the dec guider yet today but may have to later if there was substantial slipping before my adjustments. The spar was fairly well balanced before I fine tuned the balance, so the loss of tracking may have been due to reaching the end of the dec guider range due to something else besides poor dec balance, maybe dec drive slippage due to a clutch friction weaker than needed to overcome the spar rotational inertia (even though it is balanced). If this doesn't cure the problem then maybe we could try resetting (recentering the range) the dec guider soon after we start guiding on the sun in the morning, then maybe there will be enough range to get through the day without losing dec tracking.

\*\*\*\* EVENT COMMENT \*\*\*\*: Sun Feb 13 22:08:23 GMT 2000

CME in progress at PA=255.

Sun Feb 13 23:07:15 GMT 2000 PICS End Patrol

\*\*\*\* EVENT COMMENT \*\*\*\*: Sun Feb 13 23:07:38 GMT 2000

CME appears to be over, closing down.

P End Patrol

Sun Feb 13 23:08:26 GMT 2000 CHIP ending tape

COMMENT: Sun Feb 13 23:43:18 GMT 2000

TAPES:

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MKIV: 00044  
CHIP: C01040  
PICS: P01663  
LOWL: L00671 in drive #0

Sun Feb 13 23:44:12 GMT 2000  
MkIV

17_34.rawmk4	18_52.rawmk4	20_00.rawmk4	21_09.rawmk4	22_17.rawmk4
17_37.rawmk4	18_55.rawmk4	20_03.rawmk4	21_11.rawmk4	22_20.rawmk4
17_40.rawmk4	18_58.rawmk4	20_06.rawmk4	21_14.rawmk4	22_23.rawmk4
17_43.rawmk4	19_01.rawmk4	20_09.rawmk4	21_17.rawmk4	22_26.rawmk4
17_46.rawmk4	19_04.rawmk4	20_12.rawmk4	21_20.rawmk4	22_28.rawmk4
17_49.rawmk4	19_07.rawmk4	20_15.rawmk4	21_23.rawmk4	22_31.rawmk4
17_52.rawmk4	19_10.rawmk4	20_18.rawmk4	21_26.rawmk4	22_34.rawmk4
17_55.rawmk4	19_13.rawmk4	20_21.rawmk4	21_29.rawmk4	22_37.rawmk4
17_58.rawmk4	19_16.rawmk4	20_24.rawmk4	21_32.rawmk4	22_40.rawmk4
18_01.rawmk4	19_19.rawmk4	20_27.rawmk4	21_35.rawmk4	22_43.rawmk4
18_04.rawmk4	19_22.rawmk4	20_30.rawmk4	21_38.rawmk4	22_46.rawmk4
18_07.rawmk4	19_25.rawmk4	20_33.rawmk4	21_41.rawmk4	22_49.rawmk4
18_10.rawmk4	19_28.rawmk4	20_36.rawmk4	21_44.rawmk4	22_52.rawmk4
18_13.rawmk4	19_31.rawmk4	20_39.rawmk4	21_47.rawmk4	22_55.rawmk4
18_19.rawmk4	19_34.rawmk4	20_42.rawmk4	21_50.rawmk4	22_58.rawmk4
18_25.rawmk4	19_37.rawmk4	20_45.rawmk4	21_53.rawmk4	23_01.rawmk4
18_31.rawmk4	19_40.rawmk4	20_48.rawmk4	21_56.rawmk4	23_04.rawmk4
18_34.rawmk4	19_43.rawmk4	20_51.rawmk4	21_59.rawmk4	c18_16.rawmk4
18_37.rawmk4	19_46.rawmk4	20_54.rawmk4	22_02.rawmk4	c18_22.rawmk4
18_40.rawmk4	19_48.rawmk4	20_57.rawmk4	22_05.rawmk4	c18_28.rawmk4
18_43.rawmk4	19_51.rawmk4	21_00.rawmk4	22_08.rawmk4	
18_46.rawmk4	19_54.rawmk4	21_03.rawmk4	22_11.rawmk4	
18_49.rawmk4	19_57.rawmk4	21_06.rawmk4	22_14.rawmk4	