
Mauna Loa Solar Observatory Observer's Log

Sun Jan 11 17:36:26 GMT 2004

Year: 04 Doy: 011

Observer: koon

WEATHER COMMENT: Sun Jan 11 17:36:28 GMT 2004

Clear sky, wind=10 mph from the SW, temp=41 F.

Sun Jan 11 17:41:46 GMT 2004 CHIP Start Patrol

Sun Jan 11 17:41:55 GMT 2004 PICS Start Patrol

Sun Jan 11 17:42:02 GMT 2004 MKIV Start Patrol

Sun Jan 11 18:02:47 GMT 2004 CHIP LSD

Sun Jan 11 18:03:46 GMT 2004 PICS Flat

Sun Jan 11 18:04:44 GMT 2004 CHIP End LSD

Sun Jan 11 18:04:56 GMT 2004 CHIP BiasLSD

Sun Jan 11 18:05:54 GMT 2004 CHIP End BiasLSD

Sun Jan 11 18:06:07 GMT 2004 CHIP Bias

Sun Jan 11 18:06:12 GMT 2004 PICS End Flat

PSPT COMMENT: Sun Jan 11 18:07:12 GMT 2004

Observing.

Sun Jan 11 18:07:05 GMT 2004 CHIP End Bias

MKIV COMMENT: Sun Jan 11 18:55:56 GMT 2004

Centered occulting.

MKIV COMMENT: Sun Jan 11 20:05:04 GMT 2004

Centered occulting.

COMMENT: Sun Jan 11 22:15:27 GMT 2004

Lost guiding for a while, I'm busy outside with the ECHO problems and can't watch everything as attentively as usual. Repointed and reset guider.

MKIV COMMENT: Sun Jan 11 22:17:50 GMT 2004

Centered occulting.

Sun Jan 11 22:20:24 GMT 2004 MKIV End Patrol

Sun Jan 11 22:20:41 GMT 2004 MKIV Start Cal

Sun Jan 11 22:39:31 GMT 2004 MKIV End Cal

Sun Jan 11 23:16:37 GMT 2004 MKIV Start Patrol

MKIV COMMENT: Sun Jan 11 23:28:23 GMT 2004

Centered occulting.

ECHO PROBLEM: Mon Jan 12 00:26:00 GMT 2004

The instrument is back taking data like normal. I pulled out the Wave Generator bearing in the Harmonic Drive and spaced the bearing a little from the motor shaft connector, I added 3 washers. It works great now, the new Wave Generator has a slightly thicker bearing cage and needed extra clearance to prevent friction. Now the motor sounds good when driving the head. I had swapped out everything when I was last up here but there was an unusual amount of friction that kept the motor from running quickly while pointing in RA, I fixed that today.

MKIV COMMENT: Mon Jan 12 01:28:44 GMT 2004

I could tell from the meters that the N-S direction for the occulting was at a limit, N-S meter was at a limit and stopped. Verified that upstairs

before adjusting the guider to better center the O1 within its movement.
Centered occulting.

WEATHER COMMENT: Mon Jan 12 02:09:56 GMT 2004

Cirrus clouds have been getting bigger, they appeared around midday.

Mon Jan 12 02:19:38 GMT 2004 MKIV End Patrol

Mon Jan 12 02:19:53 GMT 2004 CHIP End Patrol

Mon Jan 12 02:21:58 GMT 2004 PICS End Patrol

Mon Jan 12 02:40:24 GMT 2004

MkIV

00_00.rawmk4	01_38.rawmk4	18_38.rawmk4	20_15.rawmk4	21_56.rawmk4
00_03.rawmk4	01_41.rawmk4	18_41.rawmk4	20_18.rawmk4	21_59.rawmk4
00_06.rawmk4	01_44.rawmk4	18_44.rawmk4	20_21.rawmk4	22_02.rawmk4
00_09.rawmk4	01_46.rawmk4	18_46.rawmk4	20_24.rawmk4	22_05.rawmk4
00_12.rawmk4	01_49.rawmk4	18_49.rawmk4	20_27.rawmk4	22_08.rawmk4
00_15.rawmk4	01_52.rawmk4	18_52.rawmk4	20_30.rawmk4	22_11.rawmk4
00_18.rawmk4	01_55.rawmk4	18_55.rawmk4	20_33.rawmk4	22_14.rawmk4
00_21.rawmk4	01_58.rawmk4	18_58.rawmk4	20_36.rawmk4	22_17.rawmk4
00_24.rawmk4	02_01.rawmk4	19_01.rawmk4	20_39.rawmk4	22_23.rawmk4
00_27.rawmk4	02_04.rawmk4	19_04.rawmk4	20_42.rawmk4	22_30.rawmk4
00_30.rawmk4	02_07.rawmk4	19_07.rawmk4	20_45.rawmk4	22_36.rawmk4
00_33.rawmk4	02_10.rawmk4	19_10.rawmk4	20_47.rawmk4	23_16.rawmk4
00_36.rawmk4	02_13.rawmk4	19_13.rawmk4	20_50.rawmk4	23_19.rawmk4
00_39.rawmk4	02_16.rawmk4	19_16.rawmk4	20_56.rawmk4	23_22.rawmk4
00_42.rawmk4	17_42.rawmk4	19_19.rawmk4	21_00.rawmk4	23_25.rawmk4
00_45.rawmk4	17_45.rawmk4	19_22.rawmk4	21_03.rawmk4	23_28.rawmk4
00_48.rawmk4	17_48.rawmk4	19_25.rawmk4	21_06.rawmk4	23_31.rawmk4
00_50.rawmk4	17_50.rawmk4	19_28.rawmk4	21_09.rawmk4	23_34.rawmk4
00_53.rawmk4	17_53.rawmk4	19_31.rawmk4	21_12.rawmk4	23_37.rawmk4
00_56.rawmk4	17_56.rawmk4	19_34.rawmk4	21_15.rawmk4	23_40.rawmk4
00_59.rawmk4	17_59.rawmk4	19_37.rawmk4	21_18.rawmk4	23_43.rawmk4
01_02.rawmk4	18_02.rawmk4	19_40.rawmk4	21_21.rawmk4	23_46.rawmk4
01_05.rawmk4	18_05.rawmk4	19_42.rawmk4	21_24.rawmk4	23_49.rawmk4
01_08.rawmk4	18_08.rawmk4	19_45.rawmk4	21_27.rawmk4	23_51.rawmk4
01_11.rawmk4	18_11.rawmk4	19_48.rawmk4	21_30.rawmk4	23_54.rawmk4
01_14.rawmk4	18_14.rawmk4	19_51.rawmk4	21_32.rawmk4	23_57.rawmk4
01_17.rawmk4	18_17.rawmk4	19_54.rawmk4	21_35.rawmk4	c22_20.rawmk4
01_20.rawmk4	18_20.rawmk4	19_57.rawmk4	21_38.rawmk4	c22_26.rawmk4
01_23.rawmk4	18_23.rawmk4	20_00.rawmk4	21_41.rawmk4	c22_33.rawmk4
01_26.rawmk4	18_26.rawmk4	20_03.rawmk4	21_44.rawmk4	
01_29.rawmk4	18_29.rawmk4	20_06.rawmk4	21_47.rawmk4	
01_32.rawmk4	18_32.rawmk4	20_09.rawmk4	21_50.rawmk4	
01_35.rawmk4	18_35.rawmk4	20_12.rawmk4	21_53.rawmk4	