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Mauna Loa Solar Observatory Observer's Log  
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Sun Feb 18 17:18:46 GMT 2007

Year: 07 Doy: 049

Observer: koon

WEATHER COMMENT: Sun Feb 18 17:18:47 GMT 2007

Alto cumulus overcast, wind=20 mph from the SSE, no obs until weather improves.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: Sun Feb 18 19:29:19 GMT 2007

Winds are at 28 mph and gusting to 38 mph.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: Sun Feb 18 20:54:49 GMT 2007

Gusting to 43 mph, still a little cloudy, will keep domes closed for now.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: Sun Feb 18 22:27:53 GMT 2007

Clouds are thick again, still very windy.

\_\_\_\_end\_\_\_\_

**\*\*MLSO PROBLEM\*\***: Sun Feb 18 22:57:59 GMT 2007

I checked out the main dome azimuth slipping problem that Allen talked about

on last Thursday. The motor mount bolts were loose, tightening them mostly

fixed the problem. I worked on improving this section of the track maybe a

year ago, there are 3 layers that are misaligned and difficult to align.

If you stop the dome on this section and then try to start moving it then the

drive gear will often slip a few cogs, since that may wear down the section

even more I'll try to make it stiffer and possibly grind down some track like

I did last time.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: Mon Feb 19 01:55:29 GMT 2007

Too cloudy and windy to observe today.

\_\_\_\_end\_\_\_\_

**\*\*MLSO PROBLEM\*\***: Mon Feb 19 01:55:45 GMT 2007

I used the dremel to grind down the track in the bad section in a way that

will minimize the upward movement of the drive gear, so it won't jump out of

the track. I added 2 bolts to the track junctions to hold it together

better, and I tightened existing track bolts. Testing shows that it is better

than I ever remember it being, it is smooth even if you stop right on the bad

section and try to move it again, no gear slipping.

\_\_\_\_end\_\_\_\_

Mon Feb 19 02:08:16 GMT 2007

MkIV