
Mauna Loa Solar Observatory Observer's Log

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