
Mauna Loa Solar Observatory Observer's Log

Fri Jun 3 17:50:34 GMT 2011

Year: 11 Doy: 154

Observer: berkey

WEATHER COMMENT: Fri Jun 3 17:50:44 GMT 2011

Clear sky, wind=5mph from the ESE, temp=47F.

____end____

NOTE BY DARRYL: Fri Jun 3 17:51:47 GMT 2011

We'll be working on getting the main dome operational today, need to remove rebuild and replace the dome shutter transmission. The bar used for hanging the bottom shutter section needs to be straightened also. No obs from main dome until the shutter is functional again.

____end____

GONG COMMENT BY BEN: Fri Jun 3 18:14:20 GMT 2011

Cleaned Gong window per request from GONG

____end____

Fri Jun 3 20:23:02 GMT 2011: PSPT Abort Patrol

Fri Jun 3 20:23:08 GMT 2011: PSPT Abort Patrol

Fri Jun 3 20:23:14 GMT 2011: PSPT Abort Patrol

Fri Jun 3 20:23:20 GMT 2011: PSPT Abort Patrol

NOTE BY BEN: Sat Jun 4 00:24:55 GMT 2011

Today was spent rebuilding and referbishing the main dome shutter drive system after the failure on Wednesday.

And initial inspection showed that beyond shearing a pin in the drive "transmission" and bending the bar used to pull up the lower shutter, we also lost the top right (when looking out the shutter from below) roller.

The roller was replaced, the bar was straightened, and the shear pin was replaced. All of these jobs were straight forward (but a little dirty). But the rebuilding of the dome transmission should only be done with a large (8"+) gear puller, and a heavy vice.

We found some damage to the shaft that connects the internal brass gear to the external drive gear that actually touches the shutter track. Where the shear pin passes through the brass gear there was a lot of scoring and marking of the shaft due to the binding between the pin and the shaft.

We decided the damage wasn't bad enough to warrant action at this time; but it may become an issue the next time we shear that pin.

The shutter was exercised a few times and is ready for normal observations (once these darn clouds clear).

____end____

NOTE BY BEN: Sat Jun 4 00:41:09 GMT 2011

Per request from CSMT, we swapped out a drive from mlsoserver, reseated the RAID card, and rebooted the system.

____end____

Sat Jun 4 01:01:03 GMT 2011

MkIV