
Mauna Loa Solar Observatory Observer's Log

Thu Jun 2 16:36:19 GMT 2005

Year: 05 Doy: 153

Observer: stueben

WEATHER COMMENT: Thu Jun 2 16:37:17 GMT 2005

Thin to moderate density cirrostratus cover most of the sky, wind southeast 10-15 mph, temp 46F.

____end____

ECHO COMMENT: Thu Jun 2 16:39:18 GMT 2005

Time OK.

____end____

Thu Jun 2 16:43:34 GMT 2005 CHIP Start Patrol
Thu Jun 2 16:43:52 GMT 2005 PICS Start Patrol
Thu Jun 2 18:01:41 GMT 2005 CHIP LSD
Thu Jun 2 18:02:21 GMT 2005 PICS Flat
Thu Jun 2 18:03:31 GMT 2005 CHIP End LSD
Thu Jun 2 18:03:37 GMT 2005 CHIP BiasLSD
Thu Jun 2 18:04:28 GMT 2005 CHIP End BiasLSD
Thu Jun 2 18:04:34 GMT 2005 CHIP Bias
Thu Jun 2 18:04:41 GMT 2005 PICS End Flat
Thu Jun 2 18:04:47 GMT 2005 PICS ReStart Patrol
Thu Jun 2 18:05:24 GMT 2005 CHIP End Bias
Thu Jun 2 18:05:30 GMT 2005 CHIP ReStart Patrol
Thu Jun 2 19:38:45 GMT 2005 PICS End Patrol
Thu Jun 2 19:38:59 GMT 2005 CHIP End Patrol
Thu Jun 2 19:45:57 GMT 2005 CHIP Start Patrol
Thu Jun 2 19:46:07 GMT 2005 PICS Start Patrol

COMMENT: Thu Jun 2 19:46:45 GMT 2005

Reconfigured dome shutter.

____end____

PSPT PROBLEM: Thu Jun 2 23:05:49 GMT 2005

The pointing problem is fixed. The Dec and RA pointing has been getting worse to the point that the RA needed a lot of adjustment and the normally good Dec was not pointing well at all. Both were suffering from friction in the drive train, so I removed and cleaned and adjusted both Dec and RA drivetrains and found ways to improve the action, the grease was still good but I spread it around better too. I removed and discarded the useless dust seals that were ground to powder that fell inside the boxes and probably added up to 50 years worth of dust that the box would have seen if it were open on one side. I left the metal seal retainer rings in place since they help to keep dust out but I adjusted those so they wouldn't rub against the outer clutch plate and cause friction and metal dust anymore. Dust is not a problem in those boxes, seals aren't needed, the tiny crack around the clutch adjustment cylinder won't let in much of anything, and those gears would probably work fine if you poured sand on them. The instrument pointed very nicely after that, so I started observations. No need to try to find just the right clutch friction now, just loosen them to manually point the telescope then tighten them firmly before observations. -Darryl

____end____

Fri Jun 3 01:21:31 GMT 2005 CHIP End Patrol

Fri Jun 3 01:21:40 GMT 2005 PICS End Patrol

WEATHER COMMENT: Fri Jun 3 01:24:08 GMT 2005

Starting to get blowing fog, idled instruments and closed domes.

____end____

NICE CHIP IMAGE: 2028

NICE PICSDISC IMAGE: 2031

NICE PICSLIMB IMAGE: 2032

Fri Jun 3 01:35:33 GMT 2005

MkIV