
Mauna Loa Solar Observatory Observer's Log

Sat Jan 23 17:21:26 GMT 2016

Year: 16 Doy: 023

Observer: stueben

WEATHER COMMENT: stueben: Sat Jan 23 17:23:08 GMT 2016

Clear, wind south 5-10 mph, temp 45F.

____end____

Sat Jan 23 18:05:46 GMT 2016 KCOR Start Synoptic Patrol

Sat Jan 23 20:02:50 GMT 2016 KCOR End Patrol

Sat Jan 23 20:02:51 GMT 2016 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Sat Jan 23 20:19:58 GMT 2016 KCOR End Calibration Script

Sat Jan 23 20:20:15 GMT 2016 KCOR Start Synoptic Patrol

Sat Jan 23 20:20:16 GMT 2016 KCOR Start Synoptic Patrol

GENERAL COMMENT BY stueben: Sat Jan 23 21:13:25 GMT 2016

Dome Rotator System was commissioned on Friday in Auto. Today, Brandon and Allen analyzed timing and duty cycle. It turns out the timer from the original system was a Timer ON delay style relay. Because the new system "copied" the old system, but now runs much slower and smoother, a Timer OFF delay style relay is much more appropriate.

System currently runs fine in AUTO with a duty cycle of around 5 min. In order to optimize the duty cycle to 20 to 30 min. the following parts will be purchased and retrofit by Allen in the near future.

TE Timer Relay Part # CHB-38-70011

TE 11 pin relay socket Part # 2-1419106-4

It was also discovered on Friday that 1 of the dome edge sensors didn't survive the dome construction activities. So a replacement and spare dome edge sensor will also be ordered.

Questions on this topic should be directed to Brandon and/or Allen.

Thanks,
Brandon.

____end____

Sat Jan 23 21:36:57 GMT 2016 Kcor sees an SGS Guiding Error closing lens cover

Sat Jan 23 21:36:59 GMT 2016 KCOR End Patrol

Sat Jan 23 21:56:17 GMT 2016 Kcor sees an SGS Guiding Error closing lens cover

Sat Jan 23 21:56:19 GMT 2016 KCOR End Patrol

GENERAL COMMENT BY stueben: Sat Jan 23 22:01:46 GMT 2016

Lost spar guiding in dec, nose too heavy, added weight in rear.

____end____

Sat Jan 23 22:01:57 GMT 2016 KCOR Start Synoptic Patrol

GENERAL COMMENT BY stueben: Sun Jan 24 00:13:24 GMT 2016

Adjusted sgs offsets.

____end____