
Mauna Loa Solar Observatory Observer's Log

Wed Jun 22 16:26:58 GMT 2005
Year: 05 Doy: 173
Observer: yasukawa
WEATHER COMMENT: Wed Jun 22 16:27:20 GMT 2005
In moderate cirrostratus overcast, high cloud bank to east, S wind 11 mph,
temp 40 F, RH 85%.
___end___
Wed Jun 22 16:34:58 GMT 2005   CHIP   Start Patrol
Wed Jun 22 16:35:09 GMT 2005   PICS   Start Patrol
PSPT COMMENT: Wed Jun 22 16:45:10 GMT 2005
Starting up
___end___
PSPT COMMENT: Wed Jun 22 16:53:39 GMT 2005
Observing.
___end___
Wed Jun 22 17:47:47 GMT 2005   CHIP   End Patrol
WEATHER COMMENT: Wed Jun 22 17:47:14 GMT 2005
mist blowing over station from cloud bank to east and south.
Closing domes. Idling observations.
___end___
Wed Jun 22 17:48:18 GMT 2005   PICS   End Patrol
ECHO COMMENT: Wed Jun 22 17:54:07 GMT 2005
Time OK.
___end___
Wed Jun 22 21:14:43 GMT 2005   CHIP   Start Patrol
Wed Jun 22 21:14:55 GMT 2005   PICS   Start Patrol
WEATHER COMMENT: Wed Jun 22 21:14:38 GMT 2005
Misting has declined, resuming PICS, CHIP, and PSPT observations.
In thinner cirrostratus overcast.
___end___
Wed Jun 22 21:43:31 GMT 2005   CHIP   End Patrol
Wed Jun 22 21:43:35 GMT 2005   PICS   End Patrol
WEATHER COMMENT: Wed Jun 22 21:43:36 GMT 2005
Fog rolled in from downslope. Closing domes. Idling instruments.
___end___
NICE PICSLIMB IMAGE: 2131
NICE PICSDISC IMAGE: 2133
NICE CHIP   IMAGE: 2132
PSPT PROBLEM: Thu Jun 23 00:48:55 GMT 2005
Did a partial autopsy on the Lytron recirculating chiller pump. Awaiting
Darryl and Allen's opinions but it looks like initial use of the aluminum
heat exchangers and running an antifreeze coolant thru the circulator may
have caused excessive corrosion--evident in the effort I had to make to
scrape that stuff off the plates when we replaced them with the
copper tube version of the heat exchanger plates. The Fluid-o-tech

pump unit has an integral filter screen that was clogged with gunk--
almost like blue (copper?) kidney or gall stones. It was probably
that and possibly friction due to wear and lubricant deterioration that
produced enough resistance to stall the motor. Motor runs OK, albeit a
bit noisily, with no load. Motor's centrifugal switch appeared to work
OK, contacts were not very dirty or burned. Windings looked OK.
Fibrous packing around bearings was broken up a little, tamped it down.
The slot in the output shaft was pretty worn out--looked like a
hysteresis curve rather than a nice rectangular cut.
___end___
Thu Jun 23 01:06:47 GMT 2005
        MkIV