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Mauna Loa Solar Observatory Observer's Log  
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Tue Mar 30 16:47:21 GMT 1999

Year: 99 Doy: 089

Observer: yasukawa

WEATHER COMMENT: Tue Mar 30 16:48:01 GMT 1999

Cool, in extensive cirrus, light southeast wind.

WEATHER COMMENT: Tue Mar 30 18:34:13 GMT 1999

Currus thin, starting PSPT and PICS.

Tue Mar 30 18:37:19 GMT 1999 PICS Start Patrol

Tue Mar 30 19:02:46 GMT 1999 PICS Flat

Tue Mar 30 19:04:14 GMT 1999 PICS End Flat

Tue Mar 30 20:02:43 GMT 1999 PICS Flat

Tue Mar 30 20:04:11 GMT 1999 PICS End Flat

Tue Mar 30 20:27:41 GMT 1999 PICS End Patrol

COMMENT: Tue Mar 30 20:37:28 GMT 1999

Reconfigured dome shutter.

9 PICS Start Patrol

Tue Mar 30 21:02:34 GMT 1999 PICS Flat

Tue Mar 30 21:04:23 GMT 1999 PICS End Flat

PICS COMMENT: Tue Mar 30 21:12:43 GMT 1999

guider pushed off sun while working on CHIP temperature controller.

\*\*CHIP PROBLEM\*\*: Tue Mar 30 21:13:32 GMT 1999

Removed faulty temperature controller and opened it up to inspect innards.

Nothing obviously burnt or broken. I was about to see if I could adjust

setpoint but decided to tap the Wavelength Electronics controller first.

Gave it a healthy tap with the back end of a screwdriver and the setpoint

voltage jumped from 0.556 to 0.643 (one of the later setpoints written

into green notebook). Subsequent taps did not change setpoint voltage.

Cold solder joint somewhere???

Reinstalled controller and filter temperature began to go down. It just

overshot the operating range.

I will try resuming CHIP observations.

Tue Mar 30 21:24:28 GMT 1999 CHIP CHIP Start Patrol

Tue Mar 30 21:27:50 GMT 1999 CHIP CHIP End Patrol

Tue Mar 30 21:32:15 GMT 1999 CHIP Startup--Initializing new tape

Tue Mar 30 21:35:57 GMT 1999 CHIP CHIP Start Patrol

CHIP COMMENT: Tue Mar 30 21:47:29 GMT 1999

Filter temp at 33.044.

CHIP COMMENT: Tue Mar 30 21:56:42 GMT 1999

Filter temp 33.740

CHIP COMMENT: Tue Mar 30 22:00:10 GMT 1999

CHIP filter temperature 33.992

Operating temp should be 34.3-34.5

Bias

Tue Mar 30 22:01:42 GMT 1999 CHIP End Bias

Tue Mar 30 22:01:49 GMT 1999 CHIP Water

Tue Mar 30 22:02:25 GMT 1999 CHIP End Water

Tue Mar 30 22:02:40 GMT 1999 PICS Flat

Tue Mar 30 22:04:06 GMT 1999 PICS End Flat

CHIP COMMENT: Tue Mar 30 22:05:13 GMT 1999

Filter temp in range at 34.337 and rising.

CHIP COMMENT: Tue Mar 30 22:07:46 GMT 1999

Filter temp. just rose above operating range -- 34.542

CHIP COMMENT: Tue Mar 30 22:14:00 GMT 1999

Stopping for the day. Letting it settle. Worst case is the intermittent problem will recur because of heating and the temperature will run away again. Temp now at 35.000.

Tue Mar 30 22:16:16 GMT 1999 CHIP ending tape

COMMENT: Tue Mar 30 22:22:35 GMT 1999

Tapes:

PICS: P01400

CHIP: C00812

LOWL: L00589

Tue Mar 30 22:24:08 GMT 1999

MkIII