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Mauna Loa Solar Observatory Observer's Log  
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Sat Sep 13 16:51:27 GMT 1997

Year: 97 Doy: 256

Observer: koon

WEATHER COMMENT: Sat Sep 13 16:51:32 GMT 1997

Clear sky, wind=5 mph from the South, temp=51 F.

Sat Sep 13 16:52:07 GMT 1997 CHIP Startup--Initializing new tape

Sat Sep 13 16:55:53 GMT 1997 dPMon Start Patrol

Sat Sep 13 16:55:55 GMT 1997 CHIP CHIP Start Patrol

Sat Sep 13 17:02:02 GMT 1997 dPMon Flat

Sat Sep 13 17:02:59 GMT 1997 dPMon End Flat

Sat Sep 13 17:03:03 GMT 1997 CHIP Bias

Sat Sep 13 17:03:49 GMT 1997 CHIP End Bias

Sat Sep 13 17:04:00 GMT 1997 CHIP Water

Sat Sep 13 17:04:32 GMT 1997 CHIP End Water

DPMON COMMENT: Sat Sep 13 17:18:45 GMT 1997

Nice, large, faint prominence loop at PA=315-330, out to RV=1.25

Sat Sep 13 18:01:59 GMT 1997 dPMon Flat

Sat Sep 13 18:02:03 GMT 1997 CHIP Bias

Sat Sep 13 18:02:54 GMT 1997 dPMon End Flat

Sat Sep 13 18:02:52 GMT 1997 CHIP End Bias

Sat Sep 13 18:03:00 GMT 1997 CHIP Water

Sat Sep 13 18:03:35 GMT 1997 CHIP End Water

WEATHER COMMENT: Sat Sep 13 18:56:05 GMT 1997

Getting some cirrus clouds.

Sat Sep 13 19:01:14 GMT 1997 CHIP Bias

Sat Sep 13 19:02:00 GMT 1997 dPMon Flat

Sat Sep 13 19:02:06 GMT 1997 CHIP End Bias

Sat Sep 13 19:02:16 GMT 1997 CHIP Water

Sat Sep 13 19:02:45 GMT 1997 CHIP End Water

Sat Sep 13 19:02:59 GMT 1997 dPMon End Flat

LOW-L COMMENT: Sat Sep 13 19:15:05 GMT 1997

While we were rerouting the heat exchanger inlets and hoses Kim noticed that there was no air being pushed by the Smartfan. The display for Fan Voltage showed 99.95 so the fan should have been on all the time. The drive voltage was dropping too low to drive the fan even though the open circuit voltage was about 30.0 volts. So not enough current was getting through. We installed the spare smartfan module to see if that would solve the problem. Now the fan voltage is -80.0 and heading towards 0.0 We'll see if the fan functions eventually, it isn't working yet.

DPMON COMMENT: Sat Sep 13 19:20:42 GMT 1997

The thin loop prominence that was at PA=315-330 has faded away now.

Sat Sep 13 20:01:59 GMT 1997 dPMon Flat

Sat Sep 13 20:02:55 GMT 1997 dPMon End Flat

Sat Sep 13 20:03:05 GMT 1997 CHIP Gain

Sat Sep 13 20:07:21 GMT 1997 CHIP End Gain

Sat Sep 13 20:07:30 GMT 1997 CHIP Bias

Sat Sep 13 20:08:12 GMT 1997 CHIP End Bias

Sat Sep 13 20:08:21 GMT 1997 CHIP Water

Sat Sep 13 20:08:52 GMT 1997 CHIP End Water

COMMENT: Sat Sep 13 20:23:34 GMT 1997

Extended the dome slot.

Sat Sep 13 21:01:03 GMT 1997 CHIP Bias

Sat Sep 13 21:01:49 GMT 1997 CHIP End Bias

Sat Sep 13 21:02:02 GMT 1997 dPMon Flat

Sat Sep 13 21:01:59 GMT 1997 CHIP Water

Sat Sep 13 21:02:36 GMT 1997 CHIP End Water

Sat Sep 13 21:02:59 GMT 1997 dPMon End Flat

WEATHER COMMENT: Sat Sep 13 21:59:49 GMT 1997

Orographic clouds are moving over.

Sat Sep 13 22:01:57 GMT 1997 dPMon Flat

Sat Sep 13 22:02:51 GMT 1997 dPMon End Flat

Sat Sep 13 22:03:03 GMT 1997 CHIP Bias

Sat Sep 13 22:03:58 GMT 1997 CHIP End Bias

Sat Sep 13 22:04:08 GMT 1997 CHIP Water

Sat Sep 13 22:04:45 GMT 1997 CHIP End Water  
Sat Sep 13 22:48:57 GMT 1997 dPMon End Patrol  
Sat Sep 13 22:49:34 GMT 1997 CHIP CHIP End Patrol  
Sat Sep 13 22:58:35 GMT 1997 CHIP ending tape

COMMENT: Sat Sep 13 22:58:41 GMT 1997

Activity report:

QP: 42; 65-80; 130; 204; 248; 298.

AP: Large but faint loop prominence at PA=315-330, RV=1.25, visible from start of observations until around 1920ut.

No coronal activity.

TAPES:

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MKIII: Down for changeover work.

DPMON: P00985

CHIP: C00406

LOWL: L00472 in drive #0

LOW-L COMMENT: Sat Sep 13 23:04:21 GMT 1997

Weather didn't get hot enough to test the spare Smartfan module, it is installed loosely and the Lowl is closed up for now. Problem may also be a bad power supply that the module regulates, but we are trying out the module first.