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Mauna Loa Solar Observatory Observer's Log  
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Wed Jun 18 16:48:12 GMT 1997

Year: 97 Doy: 169

Observer: koon

WEATHER COMMENT: Wed Jun 18 16:48:20 GMT 1997

Clear sky, wind=15 mph from the SSE, temp=47 F.

Wed Jun 18 16:50:23 GMT 1997 CHIP Startup--Initializing new tape

Wed Jun 18 16:53:57 GMT 1997 dPMon Start Patrol

Wed Jun 18 16:54:01 GMT 1997 CHIP CHIP Start Patrol

Wed Jun 18 17:01:04 GMT 1997 CHIP Bias

Wed Jun 18 17:01:48 GMT 1997 CHIP End Bias

Wed Jun 18 17:01:58 GMT 1997 CHIP Water

Wed Jun 18 17:02:32 GMT 1997 CHIP End Water

Wed Jun 18 17:03:09 GMT 1997 dPMon Flat

Wed Jun 18 17:04:05 GMT 1997 dPMon End Flat

MKIII COMMENT: Wed Jun 18 17:17:47 GMT 1997

Occulting was bad as expected, spillover in North. Backed out Spar guider N-S adjusting screw 3/4 revolution to fix problem.

Wed Jun 18 17:25:05 GMT 1997 dPMon Start Patrol

Wed Jun 18 17:26:08 GMT 1997 CHIP CHIP Start Patrol

DPMON COMMENT: Wed Jun 18 17:27:05 GMT 1997

Stalled with Program:sync at about same time as CHIP stalled, looked like that Ethernet connection problem but it wasn't. I was able to make "ping" contact between kii and nene, although I couldn't get a response from puu in Boulder. Maybe the network problem occurred when CHIP tried to send an image to Boulder? Did a Kill/Run to fix.

CHIP COMMENT: Wed Jun 18 17:29:55 GMT 1997

Had an Optics:Busy stall at same time as the dPMon stalled, see message for dPMon above. Fixed with Kill/Run.

LOW-L COMMENT: Wed Jun 18 17:32:33 GMT 1997

Lowl reset file number to 0 around 2300 ut yesterday. Should have seen file number 54 this morning, but it showed file #7. This is on drive #0 which did this same type of thing (although at a different time of day) last time we used it, but it worked correctly and switched after 86 files several times just before these last two reset type problems.

Wed Jun 18 18:01:55 GMT 1997 dPMon Flat

Wed Jun 18 18:02:51 GMT 1997 dPMon End Flat

Wed Jun 18 18:03:04 GMT 1997 CHIP Bias

Wed Jun 18 18:03:47 GMT 1997 CHIP End Bias

Wed Jun 18 18:03:57 GMT 1997 CHIP Water

Wed Jun 18 18:04:30 GMT 1997 CHIP End Water

MKIII COMMENT: Wed Jun 18 18:20:54 GMT 1997

I'm not sure what happened to the calibration, I never got another prompt after the first one to put the opal in. It looked like it was working and plotted the first sine-wave. Scan-log shows there are several file labeled with CL for cal, consider all but the last calibration to be bad. I had

to type "programmer does forget task" to regain control of the console.

MKIII COMMENT: Wed Jun 18 18:33:35 GMT 1997

Had the same calibrations problem. Ejected tape after writing EOF, rebooted the computer, installed new tape, started over.

MKIII COMMENT: Wed Jun 18 18:44:28 GMT 1997

Can't get the computer to reboot.

Wed Jun 18 19:01:54 GMT 1997 dPMon Flat

Wed Jun 18 19:02:10 GMT 1997 CHIP Bias

Wed Jun 18 19:02:50 GMT 1997 dPMon End Flat

Wed Jun 18 19:02:57 GMT 1997 CHIP End Bias

Wed Jun 18 19:03:07 GMT 1997 CHIP Water

Wed Jun 18 19:03:47 GMT 1997 CHIP End Water

MKIII COMMENT: Wed Jun 18 19:16:51 GMT 1997

I finally got the computer to boot up after replacing disk drive #0 with the spare drive. So far it looks like everything is working again.

Wed Jun 18 19:44:27 GMT 1997 dPMon Start Patrol

DPMON COMMENT: Wed Jun 18 19:44:26 GMT 1997

Crashed again with Program:sync, did Kill/Run to fix.

CHIP COMMENT: Wed Jun 18 19:45:20 GMT 1997

Crashed again with Optics:Busy about 1919 ut, which was about seven minutes after the dPMon crashed. No problem pinging kii or nene now, didn't notice crashes earlier as I tried to get the MKIII up and running. Fixed with Kill/Run.

Wed Jun 18 19:47:12 GMT 1997 CHIP CHIP Start Patrol

MKIII COMMENT: Wed Jun 18 19:47:20 GMT 1997

This calibration looks like it is a good one. So far no crashes or problems with the spare DD#0. Haven't had to adjust the Spar guiding since this morning.

Wed Jun 18 20:02:58 GMT 1997 dPMon Flat

Wed Jun 18 20:03:04 GMT 1997 CHIP Gain

Wed Jun 18 20:03:57 GMT 1997 dPMon End Flat

Wed Jun 18 20:07:19 GMT 1997 CHIP End Gain

Wed Jun 18 20:07:29 GMT 1997 CHIP Bias

Wed Jun 18 20:08:10 GMT 1997 CHIP End Bias

Wed Jun 18 20:08:18 GMT 1997 CHIP Water

Wed Jun 18 20:08:51 GMT 1997 CHIP End Water

COMMENT: Wed Jun 18 20:21:29 GMT 1997

Extended the dome slot.

MKIII COMMENT: Wed Jun 18 20:21:39 GMT 1997

Lost good O1 guiding in declination due to covering the O1 from the sun while extending the dome slot. Occulting overspill was in the South this time so I turned the N-S Spar adjusting screw 3/4 rev CW to improve occulting. Even though the arm at the back of the motor was hitting a limit and I couldn't get it to stay between limits (same problem yesterday afternoon) the O1 guiding was good and the O1 meter needles weren't at a limit on the OCP in the control room.

Wed Jun 18 21:01:05 GMT 1997 CHIP Bias

MKIII COMMENT: Wed Jun 18 21:00:02 GMT 1997

Still seeing strange things. Sometimes lines are missing when I do a PEEK, and SCAN-LOG doesn't work. I saw these problems with the original disk also.

Wed Jun 18 21:01:51 GMT 1997 CHIP End Bias

Wed Jun 18 21:01:58 GMT 1997 CHIP Water

DPMON COMMENT: Wed Jun 18 21:01:40 GMT 1997

Stalled with Program:K-corona, fixed with Kill/Run.

Wed Jun 18 21:02:31 GMT 1997 CHIP End Water

Wed Jun 18 21:14:08 GMT 1997 dPMon Start Patrol

DPMON COMMENT: Wed Jun 18 21:40:41 GMT 1997

Stalled with Optics:Busy.

CHIP COMMENT: Wed Jun 18 21:41:11 GMT 1997

Stalled with Optics:Busy, maybe a few minutes after the dPMon had this same crash.

COMMENT: Wed Jun 18 21:41:42 GMT 1997

I think all these simultaneous crashes involving dPMon and CHIP may be related to the network connection problems I've been having all day, I got disconnected from Boulder at around the same time as those last crashes.

MKIII COMMENT: Wed Jun 18 21:43:06 GMT 1997

The program crashed again. It appears that there is a processor problem rather than a disk problem since this has happened using two different disks. I called DEC and Logged a Call for service.

Wed Jun 18 21:54:42 GMT 1997 CHIP ending tape

MKIII COMMENT: Wed Jun 18 22:33:49 GMT 1997

I reinstalled the original disk #0.

COMMENT: Wed Jun 18 22:34:22 GMT 1997

Activity report:

QP: 52-64; 120-140; 168; 200; 225.

No coronal activity.

TAPES:

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MKIII: H01583 and H01584

DPMON: P00914

CHIP: C00335

LOWL: L00460

NOTE: NO SCAN-LOG printout due to problems with DEC 11/44 processor.