
Mauna Loa Solar Observatory Observer's Log

Tue Jun 3 17:18:59 GMT 1997

Year: 97 Doy: 154

Observer: koon

Tue Jun 3 17:19:12 GMT 1997 CHIP Startup--Initializing new tape

WEATHER COMMENT: Tue Jun 3 17:19:10 GMT 1997

Clear sky, wind=10 mph from the ESE, temp=49 F.

Tue Jun 3 17:21:47 GMT 1997 CHIP CHIP Start Patrol

COMMENT: Tue Jun 3 17:19:39 GMT 1997

Star of observations was delayed due to request from Eric to run some tape drive tests on Nene and Kii before startup this morning. After sifting through about 50 e-mail messages I found the ones I needed to do the tests and tried out a few things. Eric already rebooted Kii without any change in tape drive performance so that is ruled out, I tried the tar -cv *

command twice from the xterm window on Kii and it looked as though files were written to the problem tape drive without any problems, there wasn't any error messages and the lights showed activity on the drive and the xterm window listed each file one by one as it was written to the tape.

I swapped drives between Kii and Nene and started up the observing programs. CHIP started up right away with no problems using the drive that is normally used for dPMon data. After typing Run for the dPMon it stalled for a long time with the message:

Checking tape...

on the screen. It finally continued and printed out the following:

Checking tape...

WARNING: /iommu@0,10000000/sbus@0,10001000/espdma@5,8400000/esp@5,8800000 (esp0):
Connected command timeout for Target 4.0

WARNING: /iommu@0,10000000/sbus@0,10001000/espdma@5,8400000/esp@5,8800000/sd@3,0 (sd3):
SCSI transport failed: reason 'reset': retrying command

Exabyte EXB-8500 8mm tape drive:

sense key(0x6)= Unit Attention residual= 0 retries= 0

file no= 0 block no= 0

Tape OK

Checking motor mike

Micrometer commands previously disabled by NO_MIKE in ProgramDefs

[1] 29464

NO_MIKE is set

Checking Mechanism Control Computer

[1] 29467

[1] + Killed Watchdog Optics 5

/local/usr/local/src/ACOS/Bin

removemessage: msgctl failed: Not owner

Accumulate

[2] 29489

```
Crunch
[3] 29490
Display
[4] 29491
Tape
[5] 29492
Status
[6] 29493
Command
[7] 29494
Disk
[8] 29495
Reply
[9] 29496
Show
[10] 29497
Program
[11] 29498
nene% Hello from Program
foreach: No match
```

After these messages I have the normal observing program windows, I will try to take some data and see what happens.

```
Tue Jun  3 18:01:01 GMT 1997    CHIP    Bias
Tue Jun  3 18:01:50 GMT 1997    CHIP    End Bias
Tue Jun  3 18:01:57 GMT 1997    CHIP    Water
Tue Jun  3 18:02:27 GMT 1997    CHIP    End Water
Tue Jun  3 19:03:09 GMT 1997    CHIP    Bias
Tue Jun  3 19:03:53 GMT 1997    CHIP    End Bias
Tue Jun  3 19:04:00 GMT 1997    CHIP    Water
Tue Jun  3 19:04:32 GMT 1997    CHIP    End Water
Tue Jun  3 19:54:46 GMT 1997    dPMon   Start Patrol
```

```
DPMON COMMENT: Tue Jun  3 19:54:50 GMT 1997
```

The Patrol program didn't start earlier, got hung up with Program:Init.

I let it sit while I waded through all my e-mail trying to figure out what has been going on and what the current status is with the CHIP light loss and tape drive. I will now try some things starting with Kill, eject tape, turn off power to tape drive, switch cable and terminator connections, startup with Run again.

```
Tue Jun  3 20:02:05 GMT 1997    CHIP    Gain
Tue Jun  3 20:06:04 GMT 1997    CHIP    End Gain
Tue Jun  3 20:06:11 GMT 1997    CHIP    Bias
Tue Jun  3 20:06:49 GMT 1997    CHIP    End Bias
Tue Jun  3 20:06:56 GMT 1997    CHIP    Water
Tue Jun  3 20:07:20 GMT 1997    CHIP    End Water
```

```
COMMENT: Tue Jun  3 20:09:45 GMT 1997
```

Extended the dome slot.

Tue Jun 3 20:11:44 GMT 1997 dPMon Start Patrol

DPMON COMMENT: Tue Jun 3 20:12:00 GMT 1997

After doing the things mentioned earlier, the Patrol started right away with no error messages or delays. Will keep an eye on this.

WEATHER COMMENT: Tue Jun 3 20:15:10 GMT 1997

The sky has become unusually bright in just the last 30 minutes or so, it looks like there is a thin layer of cirrus up there.

DPMON COMMENT: Tue Jun 3 20:52:05 GMT 1997

So far, the tape drive is working properly as far as I can tell.

Tue Jun 3 21:02:01 GMT 1997 CHIP Bias

Tue Jun 3 21:02:57 GMT 1997 CHIP End Bias

Tue Jun 3 21:03:04 GMT 1997 dPMon Flat

Tue Jun 3 21:03:06 GMT 1997 CHIP Water

Tue Jun 3 21:03:39 GMT 1997 CHIP End Water

Tue Jun 3 21:04:01 GMT 1997 dPMon End Flat

MKIII COMMENT: Tue Jun 3 21:06:43 GMT 1997

Stopping observations since the sky is too bright to get data.

Tue Jun 3 21:44:57 GMT 1997 dPMon End Patrol

DPMON COMMENT: Tue Jun 3 21:45:01 GMT 1997

OK, now I am seeing the message

tape write -1

tape: I/O error

and the tape has been rewound, same error Eric was getting when this drive was connected to the CHIP. So there is something wrong with the spare tape drive also. Ejecting the tape and stopping observations.

Tue Jun 3 22:01:02 GMT 1997 CHIP Bias

Tue Jun 3 22:01:44 GMT 1997 CHIP End Bias

Tue Jun 3 22:01:51 GMT 1997 CHIP Water

Tue Jun 3 22:02:21 GMT 1997 CHIP End Water

Tue Jun 3 22:20:39 GMT 1997 CHIP CHIP End Patrol

Tue Jun 3 22:23:22 GMT 1997 CHIP ending tape

COMMENT: Tue Jun 3 22:24:05 GMT 1997

Activity report:

QP: 50; 60-75; 99; 119; 303.

No coronal activity.

TAPES:

MKIII: H01569

DPMON: P00899, rewind early, no EOF?, no data?

CHIP: C00319

LOWL: L00457 in drive #0

SCAN-LOG

SCAN-LOG 17:18:21. 6/3/97 DOY 154

17:35:28	17:38:42	17:41:58	17:45:11	17:48:26
17:51:39	17:54:53	17:58:06	18:01:20	18:04:32
1817 0 CL	18:23:42	1842 15CL	18:53:22	19:02:28
19:05:43	19:09:01	19:12:12	19:15:25	19:18:37

19:21:51	19:25:03	19:28:20	19:31:34	19:34:47
19:37:59	19:41:12	19:44:23	19:47:36	19:50:48
19:54:00	19:57:11	20:00:23	20:03:35	20:06:47
20:09:58	20:13:10	20:16:23	20:19:43	20:22:54
20:26:06	20:29:17	20:32:29	20:35:40	20:38:52
20:42:03	20:45:16	20:48:27	20:51:39	20:54:51
20:58:05	21:01:16	21:04:29		

0 ERRORS

OK