
Mauna Loa Solar Observatory Observer's Log

Thu Dec 3 17:05:15 GMT 1998
Year: 98 Doy: 337
Observer: koon
WEATHER COMMENT: Thu Dec 3 17:05:17 GMT 1998
Thick altocumulus overcast, wind is gusty and 30+ mph, temp=36 F.
COMMENT: Thu Dec 3 17:10:02 GMT 1998
Mel called and said the extension cord for the UPS is ready for pickup,
I'll get it later today.
MKIII COMMENT: Thu Dec 3 17:13:55 GMT 1998
The console screen was locked up so I couldn't type in "Run", and the
startup script didn't finish executing. So I reset the KCC to get control
again, that worked.
LOW-L PROBLEM: Thu Dec 3 17:17:34 GMT 1998
Data are going to L00561 in drive #1, but L00560 only had about 10 files on
it yesterday (drive #0). Removed L00560 and installed L00562 in drive #0.
MKIV COMMENT: Thu Dec 3 20:20:42 GMT 1998
MKIV PROBLEM: Thu Dec 3 20:20:53 GMT 1998
I talked to David about any tests I could do to the instrument that don't
require sunlight. One test is to watch the yellow LEDs on the transformation
board to see if more than one illuminates, only one illuminate normally.
There are 4 yellow LEDs on the top of the board and they are visible from
the back of the cabinet if you open the back door.
LOW-L PROBLEM: Thu Dec 3 20:24:33 GMT 1998
The clock finally jumped ahead exactly one hour again. I'm going to stop
the program and check the clock board time another way.
LOW-L PROBLEM: Thu Dec 3 20:39:40 GMT 1998
After I exited the program I checked the cts10 clock using the ctconfig
program and it was correct. I then restarted the program by typing in
"lowl" and it started up with the correct time. I didn't reboot the
computer or cycle the computer power.
Thu Dec 3 20:42:00 GMT 1998   MKIII   Start Patrol
LOW-L PROBLEM: Thu Dec 3 20:52:24 GMT 1998
I moved L00561 to drive #0 since it didn't have any data on it, and moved
L00562 into drive #2. If the manual clock reading showed the wrong
time then that would have proven the board or antennae were bad, but it
showed the correct time. Restarting the program may correct the time,
it did this time, but in the past 2 times that I've seen this I cycled
the PC power to correct the time, I didn't try just restarting the
program those first two times. It is also possible that checking the
time with ctconfig corrects the time. So nothing concrete was learned from
that test.
Thu Dec 3 21:01:27 GMT 1998   MKIII   End Patrol
MKIV PROBLEM: Thu Dec 3 21:02:35 GMT 1998
The same, frontmost, LED remained illuminated during the span of 4 scans,
no other LEDs lit up.

MKIV PROBLEM: Thu Dec 3 21:13:07 GMT 1998
Talked to David again about the LED test. Will have to wait for sunlight
before continuing the testing. Probably will shorten the exposure time
for the two "reads" that happen between each index pulse from the
waveplate. The index pulses should be good or the MKIII wouldn't be
working.
LOW-L PROBLEM: Thu Dec 3 21:15:27 GMT 1998
Talked to David again about this problem. The whole system is going to be
replaced in a few months, so hopefully this strange time problem won't
happen very often until then. But if it does, it may be possible to
change the software to fix the problem, assuming the time board is always
correct and the program wasn't picking it up correctly. The program gets
the time from the time board by checking it every 15 seconds currently.
This is one of those strange intermittent problems that are easiest to
troubleshoot by swapping the board itself as a primary test, but if the whole
system is going to be changed to use GPS or another type of timesetting
protocol then it could be a waste of money to get a new CTS10 card at this
time.
Thu Dec 3 21:33:13 GMT 1998
        MkIII

20_42.rawmk3 20_48.rawmk3 20_55.rawmk3
20_45.rawmk3 20_51.rawmk3 20_58.rawmk3