

Mauna Loa Solar Observatory Observer's Log

Sat Oct 7 17:07:38 GMT 1995

Year: 95 Doy: 280

Observer: koon console Oct 7 17:06

WEATHER COMMENT: Sat Oct 7 17:07:57 GMT 1995

Medium to thick cirrocumulus overcast, wind=10 mph from the West, temp=42 F.

Observing unlikely today.

LOW-L COMMENT: Sat Oct 7 17:15:03 GMT 1995

Found both tapes popped out of drives. Removed L00322 from drive #0, moved L00323 from drive #1 to drive #0 (data started getting written to it today, so probably very little if any data on it), and installed L00324 in drive #1.

LOW-L COMMENT: Sat Oct 7 21:12:31 GMT 1995

Program had the classic crash with graphic characters on the screen at 20:15:30. Removed L00323 from drive #0, moved L00324 from drive #1 to

drive #0, and installed L00325 in drive #1. WWVH signal is strong and it looks like we started to sync to it around 20:05. Restarting.

LOW-L COMMENT: Sat Oct 7 23:18:27 GMT 1995

Had a series of crashes, like several months ago. No crashes happened when the WWVH antennae was disconnected but 5 crashes happened when antennae was connected. Checked CTS10 board interrupt settings, they were set to 24 hrs for both clock update (interrupts MS-DOS and sets its clock) and signal loss interval (warns us if no WWVH syncing for past 24 hrs, never happened yet). These are unsolicited interrupts and I thought they might be driving the lowl interrupt handler crazy, but if they happen every 24 hours at most then they weren't causing these frequent crashes, or were they? An added feature of the signal loss interval interrupt is that it will also send a different type of interrupt, as often as once a minute, when the WWVH syncing is restored. Now if the sync goes away for a few seconds then comes back within the same minute then the Timelog shows no loss of sync but an interrupt gets sent out, and maybe the interrupt handler gets confused. So, since the signal loss interval interrupt has never been used (as far as I can tell), I deactivated it to reduce the number of possible unsolicited interrupts. I restarted the observing program, with the antennae attached, and it has been running for the longest interval since the crashes started this morning.

LOW-L COMMENT: Sun Oct 8 00:00:11 GMT 1995

Program made it through 00:00 ut without a crash, but only time will tell if the problem is fixed.

COMMENT: Sun Oct 8 00:02:09 GMT 1995

Only lowl observations due to thick cirrocumulus all day.

TAPES:

LOW-L: L00323 and L00324 in drive #0, see above for more lowl info.

Sun Oct 8 00:04:26 GMT 1995: Filemark