

PFRR post ship check

Mar 19 2024

Thanasi Pantazides

Unpacking

- Uncrated Exp. and placed on GSE stand
- Unpacked some ground equipment (power supply, cables)
- Set up backup GSE computer in PAB
- 01:48:35 pm things are set up in PAB for power on.
- 02:07:02 pm Kris completed power checklist. Also connected umbi for downlink, and uplink to spare GSE computer.

run1

- 02:27:20 pm powered on. Current steady around 0.35 A off 28 V supply.
- 02:33:00 pm turned CMOS 1 on, Current = ~0.7 A
 - data comes in too
- 02:34:18 pm CMOS 2 powered on, current = ~0.95 A
 - No data back. CMOS 1 keeps sending.
 - Can't ping or ssh with direct Ethernet connection.
- 02:46:31 pm commanded CMOS 2 power off.
- 02:47:38 pm commanded CMOS 2 power back on, similar current.
 - Now get data back.
- 02:49:00 pm commanded CdTe DE power on, 1.25 A
 - Get HK data back
- 02:50:23 pm all canisters on 1.8 A
 - Ping status (from DE) is good.
- 02:51:10 pm commanded Timepix power on, 2.3 A current
 - 02:56:07 pm Milo confirms Timepix is working from direct SSH
- 02:58:01 pm `stop_to_start` ed CMOSes, get data.
- 02:59:27 pm started CdTe readout, 60 V, full mode.
 - Pedestals look good.
- After that, tried sending Timepix `erase_storage` command. Timepix did not erase.
- 03:14:55 pm powered on SAAS, 3.1 A
 - Lights on camera look good.

- 03:18:07 pm stopped taking data from all systems, powered off CdTe and Timepix.
- 03:25:57 pm saw SAAS image on AV monitor, then it shut off.
 - Power cycling SAAS.
- 03:27:54 pm power cycled CMOSes.
- 03:31:37 pm saw data from SAAS again, then powered off everything.