

QCLS Postflight Checklist
NCAR G-V / HIPPO
Nov 2009

Location:

(Flt # ___),

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1. Close the pump valve.
 2. Close the 6 Gas Deck valves, usually 1 turn.
 3. Confirm that the ON switch is **OFF** (down), and that power is available to the rack.
 4. Connect the monitor, keyboard, and mouse to the ADLink PC.
 5. Turn **ON** the Main Switch. Note time _____. The LED should light in approx. 12 seconds. Note that the program will automatically load and start the system initialization. After 60 s., the pump will start.
 6. Note if WinXP startup is normal or does file check _____.
 7. Confirm startup of PC208W and TDLWintel Wake-up windows. Open a "numeric" window in PC208W, and set MODE2 to **100** (IL126). This will prevent the program from starting the PRECAL cycle when the ADLink counter (IL124) reaches 1400.
 8. Stop execution of the DUAL and CO₂ Wake-up routines, and close the corresponding windows.
 9. Disable the pump by setting its IL to ZERO and toggling Flag 7.
 10. Open Windows Explorer, and copy the QCLS DUAL and CO2 data files from the TDLWintel folders to the CompactFlash card.
 11. "Create" and "Select" the TDLWintel data folders to the next flight date. Recheck that they have been selected successfully.
 12. Check the available disk space on the ADLink drive, and delete older files if necessary.
 13. Check if the CR10x is transferring data, and if not, go to the "Setup" tab of PC208W, hit the "Hardware" tab, and pause the collection schedule by unclicking the "Schedule On" box.
 14. Copy the CR10x data file from the PC208W folder to the CompactFlash card.
 15. In the "Data Collection" tab of the PC208W Setup window, change the CR10x data file name to the next flight date.
 16. If the lasers have come on, disable them manually by putting a ZERO in their ILs and toggling Flag 7.
 17. Close the TDLWintel windows.
 18. Shell out to DOS using "Run" and "cmd", then execute "**shutdn3 -s**" to put the computer into standby mode.
 19. Turn **OFF** the Main Switch.
 20. Unplug the monitor power cord.