Oxygen System Weekly Maintenance

Date: Sat Jun 18 04:47:01 GMT 2016

There are clickable links in this email with detailed step by step instructions if you are unsure of any operation

1. **Connect to the oxygen instrument using RDP**
   - click STOP in main window
   - close program with (red X)
2. Copy all new data files (*.mr and *.hr from DesktopData) to the USB drive
   While those are busy copying (it takes a while), continue with:
3. **Swap out the O2 system moisture trap** and note new trap positions
   - new trap "#", now in chiller: 2
   - old trap "#", now in dryer: 1
4. Open the right side of the cylinder box and note the high-side and low-side regulator pressures
   - HS 1000 / 2.75
   - MS 1200 / 2.0
   - LS 1000 / 2.75
   - LT 300 / 3.0
   - WT1 1400 / 2.95
   - WT2 1500 / 3.0
5. Ideally, all six low side cylinder pressures read 3.0 +/- 1.0 psig. Note any outliers
6. Close up the cylinder box
7. Check if the peristaltic pump inside the Manifold box is spinning. (yes/no)
8. Confirm PC time is syncing with GMT time (yes/no)
9. Restart program with go2.exe shortcut on desktop
10. Click 'Enter in AutoRun' when prompted
11. Change the 'Trap in Use' to the new trap no. now in chiller
12. **Check that FLWTb reads 60 +/- 5 sccm, FLSP reads 100 +/- 5 sccm, and Pfridge is < 1200 torr**
13. Confirm no USB errors - note otherwise
14. Log the event in the Cruise Data Report
15. Check the fan on the 01 deck intake. Running? (yes/no)
16. Date and Time (GMT) of weekly maint 18 JUNE 2016 1412
17. Scan this log sheet, store it on the D: drive of the ET computer and email a copy to Britt Stephens (stephens@ucar.edu) and Andrew Watt (watt@ucar.edu)

This is an automated message from /usr/local/admin/oxygen/weekly_maint and the letter "Q"