Oxygen System Weekly Maintenance

Date: Sat Nov 5 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

TURNED SYSTEM OFF YESTERDAY AT 68W

[✓] 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:
N/A 3. [Swap out the O2 system moisture trap](#) and note new trap positions *LEFT AS IS*
   - new trap "#", now in chiller:_____
   - old trap "#", now in dryer:_____
4. Open the right side of the cylinder box and note the high-side and low-side regulator pressures
   - HS _700_ / _3_
   - MS _1000_ / _3.5_
   - LS _750_ / _3_
   - LT _1800_ / _3.5_
   - WT1 _800_ / _4.0_
   - WT2 _1900_ / _4.0_
5. Ideally, all six low side cylinder pressures read 3.0 +/- 1.0 psig. Note any outliers
6. Close up the cylinder box
N/A 7. Check if the peristaltic pump inside the Manifold box is spinning. _____(yes/no)
N/A 8. Confirm PC time is syncing with GMT time _____(yes/no)
N/A 9. Select Run | Start in the MS VB screen
N/A 10. Click 'Enter in AutoRun' when prompted
N/A 11. Change the 'Trap in Use' to the new trap no. now in chiller
N/A 12. [Check that FLWTb reads 60 +-5 sccm, FLSP reads 100 +- 10 sccm, and Pfridge is < 1200 torr](#)
N/A 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)
NA 16. Date and Time (GMT) of weekly maint ___310   5 NOV 2016___
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"