

From: et@lmg.usap.gov
Sent: Saturday, January 16, 2016 1:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Jan 16 04:47:01 GMT 2016

Oxygen System Weekly Maintenance

Date: Sat Jan 16 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](#)
 - o click STOP in main window
 - o 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
 - o new trap "#", now in chiller: 2
 - o 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
 - o HS 1500 / 2.5
 - o MS 1500 / 3.5
 - o LS 1600 / 2.5
 - o LT 500 / 3.5
 - o WT1 2000 / 11.75
 - o WT2 800 / 3
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 (yes/no)
8. Confirm PC time is syncing with GMT time YES (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 50 +/- 5 sccm, FLSP reads 100 +/- 5 sccm, and Pfridge is < 1000 torr](#)
13. Confirm no USB errors - note otherwise FLWTb = 62.22 Pfridge = 1158
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 Jan 016 1737 GMT
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)