

From: et@lmg.usap.gov
Sent: Saturday, October 15, 2016 5:26 PM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Oct 15 17:25:50 GMT 2016

Oxygen System Weekly Maintenance

Date: Sat Oct 15 17:25:50 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
 - o new trap "#", now in chiller: 1
 - o old trap "#", now in dryer: 2
4. Open the right side of the cylinder box and note the high-side and low-side regulator pressures
 - o HS 700 / 3.5
 - o MS 1000 / 3.5
 - o LS 700 / 3.5
 - o LT 1800 / 3.5
 - o WT1 1400 / 3.5
 - o WT2 _____ / _____
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. Select Run | Start in the MS VB screen
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 +- 10 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? No stuck (yes/no)
16. Date and Time (GMT) of weekly maint 209 16:46
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)