LMG ET

From: et@lmg.usap.gov
Sent: Saturday, October 22, 2016 4:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Oct 22 04:47:01 GMT 2016

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Oxygen System Weekly Maintenance

Date: Sat Oct 22 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

START OF CRUISE THIS MORNING. ALSO STARTED O_2 SYSTEM.

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: 1
   - 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
   - HS 700 / 3.5
   - MS 1000 / 3.5
   - LS 700 / 3.5
   - LT 1800 / 3.5
   - WT1 1300 / 3.5
   - 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? _____ (yes/no)
16. Date and Time (GMT) of weekly maint 296 16:57
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)