LMG ET

From: et@lmg.usap.gov
Sent: Saturday, January 23, 2016 1:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Jan 23 04:47:01 GMT 2016

Oxygen System Weekly Maintenance

Date: Sat Jan 23 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 drivei
   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 1500 / 2.5
   - MS 1450 / 3.1
   - LS 1500 / 2.5
   - LT 500 / 3.5
   - WT1 2000 / 10
   - WT2 500 / 3.5
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
    62.5 101.4 1154
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 (yes/no)
16. Date and Time (GMT) of weekly maint 025 0515
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"