

LMG ET

From: et@lmg.usap.gov
Sent: Saturday, November 26, 2016 4:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Nov 26 04:47:02 GMT 2016

Oxygen System Weekly Maintenance

Date: Sat Nov 26 04:47:02 GMT 2016

There are clickable links in this email with detailed step by step instructions if you are unsure of any operation

- [Connect to the oxygen instrument using RDP](#)
 - click STOP in main window
 - close program with (red X)
- 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:
- [Swap out the O2 system moisture trap](#) and note new trap positions
 - new trap "#", now in chiller: 3
 - old trap "#", now in dryer: 1
- 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 1300 / 3.5
 - WT1 200 / 3.5
 - WT2 ✓
- Ideally, all six low side cylinder pressures read 3.0 +/- 1.0 psig. Note any outliers
- Close up the cylinder box
- Check if the peristaltic pump inside the Manifold box is spinning. (yes/no)
- Confirm PC time is syncing with GMT time (yes/no)
- Select Run | Start in the MS VB screen
- Click 'Enter in AutoRun' when prompted
- Change the 'Trap in Use' to the new trap no. now in chiller
- [Check that FLWTb reads 60 +/- 5 sccm, FLSP reads 100 +/- 10 sccm, and Pfridge is < 1200 torr](#)
- Confirm no USB errors - note otherwise
- Log the event in the Cruise Data Report
- Check the fan on the 01 deck intake. Running? (yes/no)
- Date and Time (GMT) of weekly maint 26 NOV 2016 1036 E
- 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"