

LMG ET

From: et@lmg.usap.gov
Sent: Saturday, June 20, 2015 4:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Jun 20 04:47:01 GMT 2015

Oxygen System Weekly Maintenance

Date: Sat Jun 20 04:47:01 GMT 2015

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: 2
- Open the right side of the cylinder box and note the high-side and low-side regulator pressures
 - HS 1800 | 3
 - MS 1600 | 3.5
 - LS 1350 | 2.75
 - LT 600 | 3
 - WT1 1000 | 3
 - WT2 1
- 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)
- Restart program with go2.exe shortcut on desktop
- Click 'Enter in AutoRun' when prompted
- Change the 'Trap in Use' to the new trap no. now in chiller
- [Check that FLWTb reads 50 +/- 5 sccm, FLSP reads 100 +/- 5 sccm, and Pfridge is < 1000 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 21 JUN 2015 0228 GMT
- 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"