

From: et@lmg.usap.gov
Sent: Saturday, October 08, 2016 4:47 AM
To: et@lmg.usap.gov
Subject: Oxygen System Weekly Maintenance: Sat Oct 8 04:47:02 GMT 2016

Oxygen System Weekly Maintenance

Date: Sat Oct 8 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

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:

NO USB DRIVE PLUGGED IN. FOUND ONE IN SPARES BOX.

3. [Swap out the O2 system moisture trap](#) and note new trap positions

- o new trap "#", now in chiller: 2
- o old trap "#", now in dryer: 1

4. Open the right side of the cylinder box and note the high-side and low-side regulator pressures

- o HS 800 / 3.5
- o MS 1100 / 3.5
- o LS 800 / 3.5
- o LT 1950 / 3.5
- o WT1 1700 / 3.5
- o WT2 2000 / NOT BEING USED

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. Restart program with go2.exe shortcut on desktop

10. Click 'Enter in AutoRun' when prompted

NOT ON DESKTOP. JUST RUN / START ON VB.

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 +/- 5 sccm, and Pfridge is < 1200 torr](#)

13. Confirm no USB errors - note otherwise

63 ✓ 91 A LITTLE LOW 1065 ✓

14. Log the event in the Cruise Data Report

15. Check the fan on the 01 deck intake. Running? *I DON'T THINK SO. WILL CHECK AT PAL.* (yes/no)

16. Date and Time (GMT) of weekly maint 282 12:15

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)