

## LMG ET

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**From:** et@lmg.usap.gov  
**Sent:** Saturday, December 12, 2015 4:47 AM  
**To:** et@lmg.usap.gov  
**Subject:** Oxygen System Weekly Maintenance: Sat Dec 12 04:47:01 GMT 2015

# Oxygen System Weekly Maintenance

Date: Sat Dec 12 04:47:01 GMT 2015

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**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: 1
  - 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 1600 / 2.5
  - MS 1500 / 3.5
  - LS 1600 / 2.5
  - LT 500 / 3.5
  - WT1 — / 3.5
  - WT2 1700 / 2.5
- 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 (yes/no)
- Confirm PC time is syncing with GMT time yes (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 12 Dec 2015 0913
- Scan this log sheet, store it on the D: drive of the ET computer and email a copy to Britt Stephens ([stephens@ucar.edu](mailto:stephens@ucar.edu)) and Andrew Watt ([watt@ucar.edu](mailto:watt@ucar.edu))

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This is an automated message from /usr/local/admin/oxygen/weekly\_maint and the letter "Q"