

**INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.**

DATE (LOCAL): 5/19/2014 1. Run zero air 10 minutes  (✓)  
 INITIALS: WTC 2. PUMP CURRENT: 92.70 5. Bypass cell  (✓)  
 PUMP# (add x,y,z,R): 2226394 3. PUMP PRESSURE: 11 in 6. Add 5-6cc cathode  (✓)  
 4. ENSCI Press/vac: 29/20 inHg 7. 30 MINUTES HI O<sub>3</sub>  (✓)  
 8. 3 MINUTES NO O<sub>3</sub>  (✓)

9. DUMP CATHODE RINSE:  (✓) 16. Run sonde for 10 minutes on NO O<sub>3</sub> AIR  (✓)  
 10. ADD 3.0 CC FRESH CATHODE #  (✓) 17. Short the cell leads:  (✓)  
 11. ADD 1.5 CC ANODE SOLUTION:  (✓) 18. Intake tube stored in sonde frame:  (✓)  
 12. RUN 10 MINUTES on NO O<sub>3</sub>  (✓) 19. Place Instrument inside plastic bag:  (✓)  
 13. RECORD CURRENT: BG = 0.129 μamps 20. Store inside Styrofoam flight box:  (✓)  
 14. RUN 10 MINUTES on 5 μamps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR.  
 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μamps: 36.83 sec.

**AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 5/24/14**

1. RUN 5 MINS on NO O<sub>3</sub>  (✓) 3. RUN 5 MINS on 5 μamps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR  
 2. RECORD CURRENT: .068 μamps 4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 25.2 sec  
 5. Short cell leads and Store in Styrofoam flight box:  (✓) 25.21

**FLIGHT PREPARATION IN LAB. (Under 24 hours to launch)**

DATE (LOCAL): 5-31-14  
 INITIALS: CLC

**T100 FLOWRATE TIMES:**

ROOM TEMP (C): 24.8, ROOM RH (%): 49%  
 Flowrate Correction: 1.8 (%)

1. Cathode solution # or date written on bottle: 239  
 2. CHANGE CATHODE SOLUTION (3cc):  (✓)  
 3. CHANGE ANODE SOLUTION (1.5cc):  (Yes/No)  
 4. RUN ON NO O<sub>3</sub> FOR 10 MINUTES:  (✓)  
 5. RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1 = 0.030 μamps  
 6. RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (✓)  
 7. SWITCH TO NO O<sub>3</sub> AIR.  
 8. RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 22.76 sec  
 9. RECORD: 5 - T100 FLOWRATE TIMES:

FLOWRATE #1: 29.19 sec  
 FLOWRATE #2: 29.13 sec  
 FLOWRATE #3: 29.15 sec  
 FLOWRATE #4: 29.19 sec  
 FLOWRATE #5: 29.17 sec

AVERAGE T100: 29.166 sec

Dry	28.45	28.73	28.84	28.68
Wet	29.13	29.20	29.19	29.193

**DAY OF FLIGHT @ THE LAUNCH SITE.**

Results: O<sub>3</sub> Sonde TCO extrap:                      (DU)

FLIGHT NUMBER: 868  
 GMT DATE (YYMMDD):                       
 GMT LAUNCH TIME:                       
 Operator Initials:                     

LOCAL DATE: 5-31-14  
 LOCAL TIME: 1:10

BALLOON SIZE: 800 Grams; TOTEX                      Hwoyee  PAWAN                      (✓ one)  
 PAY-OFF-WEIGHT:                      Grams; Burst Alt:                      (km) Turn/Burst:                     

O<sub>3</sub> sn: 2226394 O<sub>3</sub> CELL BACKGROUND (μamps): 0.03 O<sub>3</sub> Ventilation Holes: (Y/N) Y  
 O<sub>3</sub> Flowrate: 29.166 (sec) O<sub>3</sub> Flowrate Correction: 1.8 (%)

Radiosonde #: 26720 Freq: 403 (MHZ) If Vais RS-80, Pressure offset written on bag:                      (hPa)

NOAA FPH sn:                       
 Other instruments:                     

SURFACE PRES: 994 (hPa)  
 SURFACE TEMP: 30 (C)  
 SURFACE RH: 43 (%)

Sky Conditions: partly cloudy

REMARKS: