

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 5/21/14 1. Run zero air 10 minutes  (✓) 5. Bypass cell  (✓)  
 INITIALS: CLC 2. PUMP CURRENT: 93.67 6. Add 5-6cc cathode  (✓)  
 PUMP# (add x,y,z,R): 2E26391 3. PUMP PRESSURE: >10 lbs 7. 30 MINUTES HI O<sub>3</sub>  (✓)  
 4. ENSCI Press/vac: 26/21 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 # 239 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 = .240 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: 37.45 sec.

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 5-27-14

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: .070 μamps 4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 25.57 sec  
 5. Short cell leads and Store in Styrofoam flight box:  (✓)

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

DATE (LOCAL): 6-7-14  
 INITIALS: CLC

T100 FLOWRATE TIMES:

ROOM TEMP (C): 25.2, ROOM RH (%): 46

Flowrate Correction: 2.6 (%)

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 = .031 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: 25.33 sec  
 9. RECORD: 5 - T100 FLOWRATE TIMES:

wet avg: 29.1267  
 dry avg: 28.3967  
 (28.3967)  
 FLOWRATE #1: 27.72 sec  
 FLOWRATE #2: 27.80 sec  
 FLOWRATE #3: 27.67 sec  
 FLOWRATE #4: 27.67 sec  
 FLOWRATE #5: 27.64 sec

AVERAGE T100: \_\_\_\_\_ sec

Dry	28.27	28.36	28.56
Wet	29.18	29.13	29.07

DAY OF FLIGHT @ THE LAUNCH SITE.

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

FLIGHT NUMBER: h0869  
 GMT DATE (YYMMDD): 6/7/2014  
 GMT LAUNCH TIME: 18:06  
 Operator Initials: \_\_\_\_\_

LOCAL DATE: 6/7/2014  
 LOCAL TIME: 1:06

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

O<sub>3</sub> sn: 2E26391 O<sub>3</sub> CELL BACKGROUND (μamps): .031 O<sub>3</sub> Ventilation Holes: (Y/N) Y

O<sub>3</sub> Flowrate: 27.70 (sec) O<sub>3</sub> Flowrate Correction: 2.6 (%)

Radiosonde #: 26723 Freq: 403 (MHz) If Vais RS-80, Pressure offset written on bag: \_\_\_\_\_ (hPa)

NOAA FPH sn: \_\_\_\_\_  
 Other instruments: \_\_\_\_\_

SURFACE PRES: 990 (hPa)  
 SURFACE TEMP: \_\_\_\_\_ (C)  
 SURFACE RH: \_\_\_\_\_ (%)

Sky Conditions: \_\_\_\_\_

REMARKS: \_\_\_\_\_