

July 2, 2014

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

- DATE (LOCAL): 23 JUN 16  
INITIALS: PT/MG  
PUMP#: 2230786
1. Run zero air 10 minutes  (✓)
  2. PUMP CURRENT: 86.22 (mA)
  3. PUMP PRESSURE: 710 (psi)
  4. DMT Press/vac: 1 (in Hg)
  5. Bypass cell  (✓)
  6. Add 5-6cc cathode  (✓)
  7. 30 MINUTES HI O<sub>3</sub>  (✓)
  8. 3 MINUTES NO O<sub>3</sub>  (✓)
  9. DUMP CATHODE RINSE:  (✓)
  10. ADD 3.0 CC FRESH CATHODE #  (✓)
  11. ADD 1.5 CC ANODE SOLUTION:  (✓)
  12. RUN 10 MINUTES on NO O<sub>3</sub>  (✓)
  13. RECORD CURRENT BEFORE O<sub>3</sub>: BG = 0.180 μA
  14. RUN 10 MINS on 5 μA O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR.
  15. RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 37.19 sec.
  16. Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  17. RECORD CURRENT: BG = .181 uA
  18. Short the cell leads:  (✓)
  19. Intake tube stored in sonde frame:  (✓)
  20. Place Sonde inside plastic bag:  (✓)
  21. Store inside Styrofoam flight box:  (✓)

**AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 6/30/16**

1. RUN 5 MINS on NO O<sub>3</sub>  (✓)
2. RECORD CURRENT: 0.123 μamps
3. RUN 5 MINS on 5 μamps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 27.66 sec
5. Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 09 JUL 16

INITIALS: PT/MG

1. Cathode solution # or date written on bottle: 262
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 = 0.023 μamps
6. RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes: 27.05 (✓)
7. SWITCH TO NO O<sub>3</sub> AIR
8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 23.05 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

**T100 FLOWRATE TIMES:**

ROOM TEMP (C): 25.4, ROOM RH (%): 44

Flowrate Correction: 1.14 (%)

FLOWRATE #1: 29.02 sec

FLOWRATE #2: 29.20 sec

FLOWRATE #3: 29.13 sec

FLOWRATE #4: 29.16 sec

FLOWRATE #5: 29.08 sec

AVERAGE T100: 29.12 sec

DRY	29.81	29.78	29.89	29.83
WET	30.10	30.19	30.21	30.17

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

FLIGHT NUMBER: H4977

GMT DATE (YYMMDD): 160709

LOCAL DATE: 160709

GMT LAUNCH TIME: 18:04

LOCAL TIME: 13:04

Operator Initials: PT

BALLOON SIZE: 1200 Grams:

TOTEX \_\_\_\_\_ Hwoyee \_\_\_\_\_

PAWAN \_\_\_\_\_ (✓ one)

PAY-OFF-WEIGHT: \_\_\_\_\_ Grams:

Burst Alt: 34.2 (km)

Turn/Burst: \_\_\_\_\_

O<sub>3</sub> sn: 2230786

O<sub>3</sub> CELL BACKGROUND (μamps): 0.023

O<sub>3</sub> Ventilation Holes: 2

O<sub>3</sub> Flowrate: 29.12 (sec)

O<sub>3</sub> Flowrate Correction: 1.14 (%)

Radiosonde sn: 42664R Freq: 403 (MHz)

NOAA FPH sn: \_\_\_\_\_ (if using Frost Point Hygrometer.)

SURFACE PRES: 1017.2 (hPa)

SURFACE TEMP: 32.2 (C)

SURFACE RH: 50 (%)

Sky Conditions: OVC

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