

July 2, 2014

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

- DATE (LOCAL): 4/13/16  
INITIALS: MG  
PUMP#: 2729164
1. Run zero air 10 minutes  (✓)
  2. PUMP CURRENT: 107.89 (mA)
  3. PUMP PRESSURE: 79 (psi)
  4. DMT Press/vac: 28 12 0 (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 # 262
  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 = 0.167 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: 53.63 sec.
  16. Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  17. RECORD CURRENT: BG = 0.201 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): 4/20/16
1. RUN 5 MINS on NO O<sub>3</sub>  (✓)
  2. RECORD CURRENT: 0.190 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: 27.73 sec
  5. Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

- DATE (LOCAL): 4/30/16  
INITIALS: 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 = 0.050 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: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 23.97 sec
  9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23.9, ROOM RH (%): 44

Flowrate Correction: 2.97 (%)

FLOWRATE #1: 28.72 sec

FLOWRATE #2: 28.77 sec

FLOWRATE #3: 28.86 sec

FLOWRATE #4: 28.77 sec

FLOWRATE #5: 28.82 sec

AVERAGE T100: 28.79 sec

DRY	27.22	27.34	27.31	27.29
WET	28.07	28.13	28.11	28.10

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

FLIGHT NUMBER: HU967

GMT DATE (YYMMDD): \_\_\_\_\_

LOCAL DATE: 4/30/16

GMT LAUNCH TIME: \_\_\_\_\_

LOCAL TIME: 1:08pm

Operator Initials: MG

BALLOON SIZE: 1000 Grams:

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

PAWAN \_\_\_\_\_ (✓ one)

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

Burst Alt: 26.7 (km)

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

O<sub>3</sub> sn: 29029

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

O<sub>3</sub> Ventilation Holes: \_\_\_\_\_

O<sub>3</sub> Flowrate: \_\_\_\_\_ (sec)

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

Radiosonde sn: \_\_\_\_\_ Freq: \_\_\_\_\_ (MHz)

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

SURFACE PRES: \_\_\_\_\_ (hPa)

SURFACE TEMP: \_\_\_\_\_ (C)

SURFACE RH: \_\_\_\_\_ (%)

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

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