

July 2, 2014

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

- DATE (LOCAL): 11-18-14  
 INITIALS: CJC  
 PUMP#: 2826249
- Run zero air 10 minutes  (✓)
  - PUMP CURRENT: 109.43 (mA)
  - PUMP PRESSURE: >10 (psi)
  - DMT Press/vac: 28/19 (in Hg)
  - Bypass cell  (✓)
  - Add 5-6cc cathode  (✓)
  - 30 MINUTES HI O<sub>3</sub>  (✓)
  - 3 MINUTES NO O<sub>3</sub>  (✓)
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- DUMP CATHODE RINSE:  (✓)
  - ADD 3.0 CC FRESH CATHODE #  (✓)
  - ADD 1.5 CC ANODE SOLUTION:  (✓)
  - RUN 10 MINUTES on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT BEFORE O<sub>3</sub>: BG = .058 μA
  - RUN 10 MINS on 5 μA O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR.
  - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 27.03 sec.
  - Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT: BG = .109 μA
  - Short the cell leads:  (✓)
  - Intake tube stored in sonde frame:  (✓)
  - Place Sonde inside plastic bag:  (✓)
  - Store inside Styrofoam flight box:  (✓)

**AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 11-27-14**

- RUN 5 MINS on NO O<sub>3</sub>  (✓)
- RECORD CURRENT: .026 μamps
- RUN 5 MINS on 5 μamps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 22.83 sec
- Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 12-6-14  
INITIALS: BW

- Cathode solution # or date written on bottle: May 10, 2014
- CHANGE CATHODE SOLUTION (3cc):  (✓)
- CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
- RUN ON NO O<sub>3</sub> FOR 10 MINUTES:  (✓)
- RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1 = 0.010 μamps
- RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (✓)
- SWITCH TO NO O<sub>3</sub> AIR
- RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 23.24 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21.1, ROOM RH (%): 42

- Flowrate Correction: 3.2 (%)
- FLOWRATE #1: 29.51 sec  
 FLOWRATE #2: 29.51 sec  
 FLOWRATE #3: 29.53 sec  
 FLOWRATE #4: 29.53 sec  
 FLOWRATE #5: 29.58 sec  
 AVERAGE T100: 29.53 sec

	AVE
DRY 28.07 28.06 28.01	28.05
Wet 28.92 28.85 29.11	28.96

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

FLIGHT NUMBER: HUB9  
 GMT DATE (YYMMDD): 12-6-14 LOCAL DATE: 12-6-14  
 GMT LAUNCH TIME: 7:00 LOCAL TIME: 1:00  
 Operator Initials: QI

BALLOON SIZE: 1000 Grams: TOTEX \_\_\_\_\_ Hwoyee \_\_\_\_\_ PAWAN \_\_\_\_\_ (✓ one)  
 PAY-OFF-WEIGHT: \_\_\_\_\_ Grams: Burst Alt: \_\_\_\_\_ (km) Turn/Burst: \_\_\_\_\_

O<sub>3</sub> sn: \_\_\_\_\_ 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: \_\_\_\_\_