

July 2, 2014

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

- DATE (LOCAL): 6-11-15  
INITIALS: BW  
PUMP#: 2827864
- |  |   |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (✓) | 5. Bypass cell <input checked="" type="checkbox"/> (✓)                  |
| 2. PUMP CURRENT: <u>89.35</u> (mA)                                 | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (✓)            |
| 3. PUMP PRESSURE: <u>&gt;10</u> (psi)                              | 7. 30 MINUTES HI O <sub>3</sub> <input checked="" type="checkbox"/> (✓) |
| 4. DMT Press/vac: <u>26/21</u> (in Hg)                             | 8. 3 MINUTES NO O <sub>3</sub> <input checked="" type="checkbox"/> (✓)  |
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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 = 0.268 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: 41.97 sec.
16. Run sonde for 10 mins on NO O<sub>3</sub>  (✓)  
17. RECORD CURRENT: BG = 0.236 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): 6-18-15**

- |  |  |
|--|--|
| 1. RUN 5 MINS on NO O <sub>3</sub> <u>13</u> (✓) | 3. RUN 5 MINS on 5 μamps O <sub>3</sub> <input checked="" type="checkbox"/> (✓) - then switch to NO O <sub>3</sub> AIR |
| 2. RECORD CURRENT: <u>133</u> μamps              | 4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: <u>29.20</u> sec   |
|  | 5. Short cell leads and Store in Styrofoam flight box: <input checked="" type="checkbox"/> (✓)                         |

**FLIGHT PREPARATION IN LAB.**

- DATE (LOCAL): 6-27-15  
INITIALS: BW
1. Cathode solution # or date written on bottle: June 2, 2015  
2. CHANGE CATHODE SOLUTION (3cc):  (✓)  
3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)  
4. RUN ON NO O<sub>3</sub> FOR 10 MINUTES:  (✓)  
5. RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1 = 0.052 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: 24.03 sec  
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 25.8, ROOM RH (%): 65  
Flowrate Correction: 2.85 (%)

FLOWRATE #1: 29.62 sec  
FLOWRATE #2: 29.68 sec  
FLOWRATE #3: 29.60 sec  
FLOWRATE #4: 29.67 sec  
FLOWRATE #5: 29.73 sec

AVERAGE T100: 29.66 sec

	1	2	3	Average
dry	27.76	27.77	27.73	27.75
wet	28.63	28.44	28.55	28.54

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

FLIGHT NUMBER: HU923  
GMT DATE (YYMMDD): 150627 LOCAL DATE: 150627  
GMT LAUNCH TIME: 5:56 LOCAL TIME: 12:56  
Operator Initials: BW  
BALLOON SIZE: 1200 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: \_\_\_\_\_