

July 2, 2014

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

- DATE (LOCAL): 2-19-15  
INITIALS: CLC  
PUMP#: 223741
- |  |   |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (✓) | 5. Bypass cell <input checked="" type="checkbox"/> (✓)                  |
| 2. PUMP CURRENT: <u>91.89</u> (mA)                                 | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (✓)            |
| 3. PUMP PRESSURE: <u>8</u> (psi)                                   | 7. 30 MINUTES HI O <sub>3</sub> <input checked="" type="checkbox"/> (✓) |
| 4. DMT Press/vac: <u>1</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 # 251
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 = .211 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: 42.87 sec.
16. Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
17. RECORD CURRENT: BG = .205 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): 2-25-15**

1. RUN 5 MINS on NO O<sub>3</sub>  (✓)
2. RECORD CURRENT: 0.092 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: 31.22 sec
5. Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

- DATE (LOCAL): 3-7-15  
INITIALS: BW
1. Cathode solution # or date written on bottle: Dec 1, 2014
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 = 0.031 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: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 29.81 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 15.2, ROOM RH (%): 20

Flowrate Correction: 3.2 (%)

FLOWRATE #1: 30.53 sec

FLOWRATE #2: 30.60 sec

FLOWRATE #3: 30.61 sec

FLOWRATE #4: 30.59 sec

FLOWRATE #5: 30.67 sec

AVERAGE T100: 30.60 sec

	1	2	3	aver
diy	28.02	28.11	28.02	28.05
wet	28.93	28.97	28.99	28.96

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

FLIGHT NUMBER: \_\_\_\_\_

GMT DATE (YYMMDD): 3-7-15 LOCAL DATE: 3-7-15

GMT LAUNCH TIME: 7:00 PM LOCAL TIME: 1:00 AM

Operator Initials: QO, BW

BALLOON SIZE: \_\_\_\_\_ 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: \_\_\_\_\_