

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4-23-15
INITIALS: CLC
PUMP#: 272811A
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 109.80 (mA)
 3. PUMP PRESSURE: >10 (psi)
 4. DMT Press/vac: 50/20 (in Hg)
 5. Bypass cell (✓)
 6. Add 5-6cc cathode (✓)
 7. 30 MINUTES HI O₃ (✓)
 8. 3 MINUTES NO O₃ (✓)
 9. DUMP CATHODE RINSE: (✓)
 10. ADD 3.0 CC FRESH CATHODE # 751
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = 201 μA
 14. RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 43.03 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 183 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): 4-30-15

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 1084 μamps
3. RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 25.23 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5-9-15
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 O₃ FOR 10 MINUTES: (✓)
5. RECORD THE NO O₃ BACKGRND#1: BG1 = 0.037 μamps
6. RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
7. SWITCH TO NO O₃ AIR
8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 26.88 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23.2, ROOM RH (%): 47
Flowrate Correction: 1.2 (%)

FLOWRATE #1:	<u>29.71</u>	sec
FLOWRATE #2:	<u>29.65</u>	sec
FLOWRATE #3:	<u>29.66</u>	sec
FLOWRATE #4:	<u>29.64</u>	sec
FLOWRATE #5:	<u>29.63</u>	sec
AVERAGE T100:	<u>29.66</u>	sec

dry 28.37 28.52 28.43 28.44 average
wet 28.73 28.86 28.74 28.78

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: _____

GMT DATE (YYMMDD): 5-9-2015

LOCAL DATE: 5-9-2015

GMT LAUNCH TIME: 5:58 PM

LOCAL TIME: 12:58 PM

Operator Initials: BW

BALLOON SIZE: 1000 Grams:

TOTEX _____ Hwoyee _____

PAWAN _____ (✓ one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: _____ (km)

Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μamps): _____ O₃ Ventilation Holes: _____

O₃ Flowrate: _____ (sec) O₃ 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: _____