

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 3-26-15
INITIALS: CUC
PUMP#: 2628115
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 96.76 (mA)
 3. PUMP PRESSURE: 210 (psi)
 4. DMT Press/vac: 26.126 (in Hg)
 5. Bypass cell (✓)
 6. Add 5-6cc cathode (✓)
 7. 30 MINUTES HI O₃ (✓)
 8. 3 MINUTES NO O₃ (✓)
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9. DUMP CATHODE RINSE: (✓)
 10. ADD 3.0 CC FRESH CATHODE # 231
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = 114 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: 31.26 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = .154 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): 4-2-15

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.055 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: 23.29 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3-11-15
INITIALS: CUC

1. Cathode solution # or date written on bottle: _____
2. CHANGE CATHODE SOLUTION (3cc): _____ (✓)
3. CHANGE ANODE SOLUTION (1.5cc): _____ (Yes/No)
4. RUN ON NO O₃ FOR 10 MINUTES: _____ (✓)
5. RECORD THE NO O₃ BACKGRND#1: BG1 = .026 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: 22.79 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 20.2, ROOM RH (%): 29

- Flowrate Correction: 2.87 (%)
- FLOWRATE #1: 29.73 sec
FLOWRATE #2: 29.79 sec
FLOWRATE #3: 29.78 sec
FLOWRATE #4: 29.79 sec
FLOWRATE #5: 29.83 sec

AVERAGE T100: 29.784 sec

	<u>29.24</u>	<u>29.13</u>	<u>29.00</u>	<u>29.123</u>
wet				
dry	<u>28.35</u>	<u>28.28</u>	<u>28.47</u>	<u>28.367</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV912

GMT DATE (YYMMDD): _____

LOCAL DATE: _____

GMT LAUNCH TIME: _____

LOCAL TIME: _____

Operator Initials: CUC

BALLOON SIZE: 300 Grams:

TOTEX _____ Hwoyee _____

PAWAN _____ (✓ one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: _____ (km)

Turn/Burst: 33070

O₃ sn: _____

O₃ CELL BACKGROUND (μamps): _____

O₃ Ventilation Holes: _____

O₃ Flowrate: _____ (sec)

O₃ Flowrate Correction: _____ (%)

Radiosonde sn: 28396 Freq: _____ (MHz)

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

SURFACE PRES: _____ (hPa)

SURFACE TEMP: _____ (C)

SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____