

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4-30-15
INITIALS: CWC
PUMP#: 2728122
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 95.30 (mA)
 3. PUMP PRESSURE: >10 (psi)
 4. DMT Press/vac: 271.20 (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 # 23 (✓)
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = 0.130 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: 32.99 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = -151 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): 5-7-15

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.048 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: 23.57 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5-16-15

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 = 0.015 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: 22.13 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 24.4, ROOM RH (%): 62
Flowrate Correction: 3.3 (%)
FLOWRATE #1: 30.57 sec
FLOWRATE #2: 30.62 sec
FLOWRATE #3: 30.43 sec
FLOWRATE #4: 30.37 sec
FLOWRATE #5: 30.44 sec
AVERAGE T100: 30.49 sec

	1	2	3	average
dry	27.99	27.99	28.11	28.03
wet	28.97	28.90	28.97	28.95

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU917

GMT DATE (YYMMDD): 5-16-15

LOCAL DATE: 5-16-15

GMT LAUNCH TIME: 6:05 PM

LOCAL TIME: 1:05 PM

Operator Initials: BW

BALLOON SIZE: 1200 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: _____