

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 12-18-14
INITIALS: CLC
PUMP#: ZE27977
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 88.99 (mA)
 3. PUMP PRESSURE: 210 (psi)
 4. DMT Press/vac: 30 120 (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 # 245
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = .149 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: 39.90 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = .176 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): 12-23-14

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.069 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: 26.88 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 12-27-14
INITIALS: BW

1. Cathode solution # or date written on bottle: May 10, 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= 0.041 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: 25.63 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 22.6, ROOM RH (%): 24

Flowrate Correction: 3.7 (%)
FLOWRATE #1: 29.37 sec
FLOWRATE #2: 29.42 sec
FLOWRATE #3: 29.44 sec
FLOWRATE #4: 29.46 sec
FLOWRATE #5: 29.42 sec

AVERAGE T100: 29.42 sec

dry	28.26	27.83	27.54	27.88
wet	28.89	28.93	28.91	28.91

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU897
GMT DATE (YYMMDD): 12-27-14 LOCAL DATE: 12-27-14
GMT LAUNCH TIME: 7:00 LOCAL TIME: 1:00
Operator Initials: BW

BALLOON SIZE: _____ Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: _____ Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2827977 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: _____

