

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 7/18/2015
 INITIALS: SO
 PUMP#: 2221210
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 83.22 (mA)
 3. PUMP PRESSURE: >10 (psi)
 4. DMT Press/vac: 26 / 21 (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 # (✓)
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = 0.051 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: 41.95 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 0.059 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): 1-10-2015

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.015 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: 30.85 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 1-17-15
INITIALS: CNC

1. Cathode solution # or date written on bottle: 251
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 = .007 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: 32.05 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 15.7, ROOM RH (%): 23%
 Flowrate Correction: 2.6 (%)

FLOWRATE #1:	<u>28.64</u> sec
FLOWRATE #2:	<u>28.47</u> sec
FLOWRATE #3:	<u>28.50</u> sec
FLOWRATE #4:	<u>28.59</u> sec
FLOWRATE #5:	<u>28.59</u> sec
AVERAGE T100:	<u>28.558</u> sec ^{avg}
Wet	<u>28.93</u> <u>28.92</u> <u>28.99</u> <u>28.946</u>
Dry	<u>27.99</u> <u>28.20</u> <u>28.42</u> <u>28.203</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU900

GMT DATE (YYMMDD): _____ LOCAL DATE: 7:00

GMT LAUNCH TIME: _____ LOCAL TIME: 1:00

Operator Initials: CNC

BALLOON SIZE: 1200 Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
 PAY-OFF-WEIGHT: _____ Grams: _____ Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2221210 O₃ CELL BACKGROUND (μamps): .007 O₃ Ventilation Holes: N
 O₃ Flowrate: 28.558 (sec) O₃ Flowrate Correction: 2.6 (%)
 Radiosonde sn: 29016 Freq: 403 (MHz)

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

SURFACE PRES: _____ (hPa)
 SURFACE TEMP: _____ (C)
 SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____