

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4-2-15
INITIALS: BW
PUMP#: 2828114
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 99.89 (mA)
 3. PUMP PRESSURE: >10 (psi)
 4. DMT Press/vac: 29 / 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 # (✓)
 11. ADD 1.5 CC ANODE SOLUTION: (✓)
 12. RUN 10 MINUTES on NO O₃ (✓)
 13. RECORD CURRENT BEFORE O₃: BG = 0.100 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: 30.94 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 0.124 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): 4-8-15

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 040 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: 23.85 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 4-18-2015
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 = 0.022 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: 26.67 sec
 9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21.3, ROOM RH (%): 57
Flowrate Correction: 3.3 (%)

FLOWRATE #1:	<u>29.93</u>	sec
FLOWRATE #2:	<u>29.97</u>	sec
FLOWRATE #3:	<u>29.98</u>	sec
FLOWRATE #4:	<u>29.90</u>	sec
FLOWRATE #5:	<u>29.97</u>	sec
AVERAGE T100:	<u>29.95</u>	sec

	1	2	3	aver
dry	27.74	27.79	27.90	27.94
wet	28.79	28.04	28.87	28.87

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU913
GMT DATE (YYMMDD): 150418 LOCAL DATE: 04-18-2015
GMT LAUNCH TIME: 6:13 LOCAL TIME: 1:13
Operator Initials: BW, RD
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: 28442 Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____