

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 5-13-2015
INITIALS: BW
PUMP#: 2728116
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 103.47 (mA)
 3. PUMP PRESSURE: >10 (psi)
 4. DMT Press/vac: 30 / 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 = 0.149 μ A
 14. RUN 10 MINS on 5 μ A O₃ (✓) - then switch to NO O₃ AIR.
 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 35.22 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 0.148 μ A
 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): 5-20-15

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.082 μ amps
3. RUN 5 MINS on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 24.79 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5-30-15
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 = 0.012 μ amps
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 μ amps: 23.00 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23.9, ROOM RH (%): 59

Flowrate Correction: 3.2 (%)

Flowrate #	Flowrate (sec)
FLOWRATE #1:	<u>29.50</u> sec
FLOWRATE #2:	<u>29.43</u> sec
FLOWRATE #3:	<u>29.55</u> sec
FLOWRATE #4:	<u>29.53</u> sec
FLOWRATE #5:	<u>29.61</u> sec
AVERAGE T100:	<u>29.52</u> sec

Condition	1	2	3	average
dry	27.60	27.57	27.65	27.61
wet	28.48	28.52	28.51	28.50

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV919
GMT DATE (YYMMDD): 150530
GMT LAUNCH TIME: 6:00PM
Operator Initials: BW
BALLOON SIZE: 1200 Grams:
PAY-OFF-WEIGHT: _____ Grams:

LOCAL DATE: 150530
LOCAL TIME: 1:00PM
TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ 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: _____