

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 3-6-15
INITIALS: BW
PUMP#: 2828111
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (v) | 5. Bypass cell <input checked="" type="checkbox"/> (v) |
| 2. PUMP CURRENT: <u>97.13</u> (mA) | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (v) |
| 3. PUMP PRESSURE: <u>>10</u> (psi) | 7. 30 MINUTES HI O ₃ <input checked="" type="checkbox"/> (v) |
| 4. DMT Press/vac: <u>28 / 19</u> (in Hg) | 8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (v) |
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9. DUMP CATHODE RINSE: (v)
10. ADD 3.0 CC FRESH CATHODE #
11. ADD 1.5 CC ANODE SOLUTION: (v)
12. RUN 10 MINUTES on NO O₃ (v)
13. RECORD CURRENT BEFORE O₃: BG = 0.143 μ A
14. RUN 10 MINS on 5 μ A O₃ (v) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 37.17 sec.
16. Run sonde for 10 mins on NO O₃ (v)
17. RECORD CURRENT: BG = 0.129 μ A
18. Short the cell leads: (v)
19. Intake tube stored in sonde frame: (v)
20. Place Sonde inside plastic bag: (v)
21. Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 3-12/13-15

1. RUN 5 MINS on NO O₃ (v)
2. RECORD CURRENT: 5.25 μ amps
no air pump
3. RUN 5 MINS on 5 μ amps O₃ (v) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 23.77 sec
5. Short cell leads and Store in Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3-21-15
INITIALS: BW

1. Cathode solution # or date written on bottle: Dec. 1, 2014
2. CHANGE CATHODE SOLUTION (3cc): (v)
3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
4. RUN ON NO O₃ FOR 10 MINUTES: (v)
5. RECORD THE NO O₃ BACKGRND#1: BG1 = 0.016 μ amps
6. RUN ON 5 microamps of O₃ for 10 Minutes: (v)
7. SWITCH TO NO O₃ AIR
8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 25.49 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 18.2, ROOM RH (%): 37

Flowrate Correction: 3.5 (%)

FLOWRATE #1:	<u>29.67</u> sec
FLOWRATE #2:	<u>29.57</u> sec
FLOWRATE #3:	<u>29.64</u> sec
FLOWRATE #4:	<u>29.63</u> sec
FLOWRATE #5:	<u>29.54</u> sec
AVERAGE T100:	<u>29.61</u> sec

	1	2	3	Average
dry	28.06	28.05	28.04	28.05
wet	29.03	29.06	28.98	29.02

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV909
GMT DATE (YYMMDD): 3-21-15 LOCAL DATE: 3-21-15
GMT LAUNCH TIME: 6:01 LOCAL TIME: 1:01
Operator Initials: QO.BW

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

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: _____
O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)
Radiosonde sn: 28419 Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____