

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4-14-15
INITIALS: BW
PUMP#: 2228118
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (✓) | 5. Bypass cell <input checked="" type="checkbox"/> (✓) |
| 2. PUMP CURRENT: <u>96.53</u> (mA) | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (✓) |
| 3. PUMP PRESSURE: <u>>10</u> (psi) | 7. 30 MINUTES HI O ₃ <input checked="" type="checkbox"/> (✓) |
| 4. DMT Press/vac: <u>33 1 20</u> (in Hg) | 8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (✓) |
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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 = 0.206 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: 36.49 sec.
16. Run sonde for 10 mins on NO O₃ (✓)
17. RECORD CURRENT: BG = 86.98 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): 4-23-15

- | | |
|--|--|
| 1. RUN 5 MINS on NO O ₃ <input checked="" type="checkbox"/> (✓) | 3. RUN 5 MINS on 5 μamps O ₃ <input checked="" type="checkbox"/> (✓) - then switch to NO O ₃ AIR |
| 2. RECORD CURRENT: <u>0.070</u> μamps | 4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: <u>24.29</u> sec |
| | 5. Short cell leads and Store in Styrofoam flight box: <input checked="" type="checkbox"/> (✓) |

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 5-2-15
INITIALS: erc
- | | |
|---|---|
| 1. Cathode solution # or date written on bottle: <u>251</u> | T100 FLOWRATE TIMES: |
| 2. CHANGE CATHODE SOLUTION (3cc): <input checked="" type="checkbox"/> (✓) | ROOM TEMP (C): <u>19.8</u> , ROOM RH (%): <u>36</u> |
| 3. CHANGE ANODE SOLUTION (1.5cc): <input checked="" type="checkbox"/> (Yes/No) | Flowrate Correction: <u>1.36</u> (%) |
| 4. RUN ON NO O ₃ FOR 10 MINUTES: <input checked="" type="checkbox"/> (✓) | FLOWRATE #1: <u>29.45</u> sec |
| 5. RECORD THE NO O ₃ BACKGRND#1: BG1 = <u>0.024</u> μamps | FLOWRATE #2: <u>29.35</u> sec |
| 6. RUN ON 5 microamps of O ₃ for 10 Minutes: <input checked="" type="checkbox"/> (✓) | FLOWRATE #3: <u>29.36</u> sec |
| 7. SWITCH TO NO O ₃ AIR | FLOWRATE #4: <u>29.40</u> sec |
| 8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: <u>23.98</u> sec | FLOWRATE #5: <u>29.29</u> sec |
| 9. RECORD: 5 - T100 FLOWRATE TIMES: | AVERAGE T100: <u>29.37</u> sec |
- reversal son. today → wet*
- | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|
| <u>28.53</u> | <u>28.51</u> | <u>28.69</u> | <u>28.57</u> | <u>28.66</u> | <u>28.67</u> |
| <u>29.02</u> | <u>29.02</u> | <u>28.88</u> | <u>28.96</u> | <u>28.96</u> | <u>28.96</u> |

DAY OF FLIGHT @ THE LAUNCH SITE.

- FLIGHT NUMBER: HU915
GMT DATE (YYMMDD): 5-2-15 LOCAL DATE: _____
GMT LAUNCH TIME: 1: LOCAL TIME: 1:00
Operator Initials: erc
- BALLOON SIZE: 1000 Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: _____ Burst Alt: _____ (km) Turn/Burst: _____
- O₃ sn: 2228118 O₃ CELL BACKGROUND (μamps): _____ O₃ Ventilation Holes: _____
O₃ Flowrate: 1.37 (sec) O₃ Flowrate Correction: _____ (%)
Radiosonde sn: 29037 Freq: 403 (MHz)
- NOAA FPH sn: _____ (if using Frost Point Hygrometer.)

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

Sky Conditions: _____
REMARKS: _____

