

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 1-14-15
INITIALS: cbc
PUMP#: 2722239
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (✓) | 5. Bypass cell <input checked="" type="checkbox"/> (✓) |
| 2. PUMP CURRENT: <u>85.42</u> (mA) | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (✓) |
| 3. PUMP PRESSURE: <u>710</u> (psi) | 7. 30 MINUTES HI O ₃ <input checked="" type="checkbox"/> (✓) |
| 4. DMT Press/vac: <u>26.170</u> (in Hg) | 8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (✓) |
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- | | |
|--|--|
| 9. DUMP CATHODE RINSE: <input checked="" type="checkbox"/> (✓) | 16. Run sonde for 10 mins on NO O ₃ <input checked="" type="checkbox"/> (✓) |
| 10. ADD 3.0 CC FRESH CATHODE # <u>243</u> <input checked="" type="checkbox"/> (✓) | 17. RECORD CURRENT: BG = <u>.052</u> uA |
| 11. ADD 1.5 CC ANODE SOLUTION: <input checked="" type="checkbox"/> (✓) | 18. Short the cell leads: <input checked="" type="checkbox"/> (✓) |
| 12. RUN 10 MINUTES on NO O ₃ <input checked="" type="checkbox"/> (✓) | 19. Intake tube stored in sonde frame: <input checked="" type="checkbox"/> (✓) |
| 13. RECORD CURRENT BEFORE O ₃ : BG = <u>.017</u> uA | 20. Place Sonde inside plastic bag: <input checked="" type="checkbox"/> (✓) |
| 14. RUN 10 MINS on 5 uA O ₃ <input checked="" type="checkbox"/> (✓) - then switch to NO O ₃ AIR. | 21. Store inside Styrofoam flight box: <input checked="" type="checkbox"/> (✓) |
| 15. RECORD: TIME TO DROP FROM 4 TO 1.5 uA: <u>26.48</u> sec. | |

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 1-23-2015

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| 1. RUN 5 MINS on NO O ₃ <input checked="" type="checkbox"/> (✓) | 3. RUN 5 MINS on 5 uamps O ₃ <input checked="" type="checkbox"/> (✓) - then switch to NO O ₃ AIR |
| 2. RECORD CURRENT: <u>0.004</u> uamps | 4. RECORD TIME TO DROP FROM 4 TO 1.5 uamps: <u>25.16</u> sec |
| | 5. Short cell leads and Store in Styrofoam flight box: <input checked="" type="checkbox"/> (✓) |

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 1-31-15
INITIALS: cbc
- | | |
|---|---|
| 1. Cathode solution # or date written on bottle: <u>231</u> | T100 FLOWRATE TIMES: |
| 2. CHANGE CATHODE SOLUTION (3cc): <input checked="" type="checkbox"/> (✓) | ROOM TEMP (C): <u>15.8</u> , ROOM RH (%): <u>18</u> |
| 3. CHANGE ANODE SOLUTION (1.5cc): <input checked="" type="checkbox"/> (Yes/No) | Flowrate Correction: <u>1.6</u> (%) |
| 4. RUN ON NO O ₃ FOR 10 MINUTES: <input checked="" type="checkbox"/> (✓) | FLOWRATE #1: <u>29.44</u> sec |
| 5. RECORD THE NO O ₃ BACKGRND#1: BG1 = <u>.002</u> uamps | FLOWRATE #2: <u>29.49</u> sec |
| 6. RUN ON 5 microamps of O ₃ for 10 Minutes: <input checked="" type="checkbox"/> (✓) | FLOWRATE #3: <u>29.40</u> sec |
| 7. SWITCH TO NO O ₃ AIR | FLOWRATE #4: <u>29.29</u> sec |
| 8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 uamps: <u>26.44</u> sec | FLOWRATE #5: <u>29.38</u> sec |
| 9. RECORD: 5 - T100 FLOWRATE TIMES: | AVERAGE T100: <u>29.40</u> sec |
- | | | | | |
|------------|------------|-------|-------|-------|
| <u>wet</u> | <u>dry</u> | | | |
| 29.44 | 28.93 | 29.25 | 28.97 | 29.34 |
| | | | | 29.34 |
| | | | | 28.97 |
- avg

DAY OF FLIGHT @ THE LAUNCH SITE.

- FLIGHT NUMBER: HU902
GMT DATE (YYMMDD): 1-31-15 LOCAL DATE: 1-31-15
GMT LAUNCH TIME: 7:24 LOCAL TIME: 1:24
Operator Initials: cbc
- | | | |
|----------------------------------|--------------------------|----------------------------|
| BALLOON SIZE: <u>1200</u> Grams: | TOTEX _____ Hwoyee _____ | PAWAN _____ (✓ one) |
| PAY-OFF-WEIGHT: _____ Grams: | Burst Alt: _____ (km) | Turn/Burst: <u>36.4</u> km |
- O₃ sn: 2722239 O₃ CELL BACKGROUND (uamps): .002 O₃ Ventilation Holes: N
O₃ Flowrate: 29.40 (sec) O₃ Flowrate Correction: 1.6 (%)
Radiosonde sn: 29078 Freq: _____ (MHz)
- NOAA FPH sn: _____ (if using Frost Point Hygrometer.)
- SURFACE PRES: _____ (hPa)
SURFACE TEMP: _____ (C)
SURFACE RH: _____ (%)
- Sky Conditions: _____
- REMARKS: _____