

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 5-29-15
INITIALS: BW
PUMP#: 2828099
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (✓) | 5. Bypass cell <input checked="" type="checkbox"/> (✓) |
| 2. PUMP CURRENT: <u>86.46</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>32 / 19</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 # <input checked="" type="checkbox"/> | 17. RECORD CURRENT: BG = <u>0.260</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 O3: BG = <u>0.161</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>36.82</u> sec. | |

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 6-4-15

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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>0.066</u> uamps | 4. RECORD TIME TO DROP FROM 4 TO 1.5 uamps: <u>26.85</u> sec |
| | 5. Short cell leads and Store in Styrofoam flight box: <input checked="" type="checkbox"/> (✓) |

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 6-13-15
INITIALS: BW
- Cathode solution # or date written on bottle: June 2, 2015
 - CHANGE CATHODE SOLUTION (3cc): (✓)
 - CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
 - RUN ON NO O₃ FOR 10 MINUTES: (✓)
 - RECORD THE NO O₃ BACKGRND#1: BG1 = 0.023 uamps
 - RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
 - SWITCH TO NO O₃ AIR
 - RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 uamps: 22.96 sec
 - RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 25.2, ROOM RH (%): 58
Flowrate Correction: 1.9 (%)

FLOWRATE #1:	<u>29.23</u> sec
FLOWRATE #2:	<u>29.24</u> sec
FLOWRATE #3:	<u>29.20</u> sec
FLOWRATE #4:	<u>29.20</u> sec
FLOWRATE #5:	<u>29.21</u> sec
AVERAGE T100:	<u>29.22</u> sec

	<u>dry</u>	<u>28.43</u>	<u>28.34</u>	<u>28.35</u>	Average <u>28.37</u>
	<u>wet</u>	<u>28.86</u>	<u>28.94</u>	<u>28.90</u>	

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV921
GMT DATE (YYMMDD): 150613 LOCAL DATE: 150613
GMT LAUNCH TIME: 5:50 LOCAL TIME: 12:50
Operator Initials: 880
BALLOON SIZE: 880 Grams: TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (uamps): _____ 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: 29028 HV921 2828099