

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 5/29/16
INITIALS: MG PT
PUMP#: 2228932

- 1. Run zero air 10 minutes (✓)
- 2. PUMP CURRENT: 102.13 (mA)
- 3. PUMP PRESSURE: 210 (psi)
- 4. DMT Press/vac: 20 120 (in Hg)
- 5. Bypass cell (✓)
- 6. Add 5-6cc cathode (✓)
- 7. 30 MINUTES HI O₃ (✓)
- 8. 3 MINUTES NO O₃ (✓)

- 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 = .236 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: 42.06 sec.
- 16. Run sonde for 10 mins on NO O₃ (✓)
- 17. RECORD CURRENT: BG = 0.225 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): 6/1/16

- 1. RUN 5 MINS on NO O₃ (✓)
- 2. RECORD CURRENT: 0.141 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: 24.82 sec
- 5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 6/1/16
INITIALS: NL

- 1. Cathode solution # or date written on bottle: 262
- 2. CHANGE CATHODE SOLUTION (3cc): (✓)
- 3. CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
- 4. RUN ON NO O₃ FOR 10 MINUTES: (✓)
- 5. RECORD THE NO O₃ BACKGRND#1: BG1 = .028 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: 18.17 sec
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 24.2, ROOM RH (%): 39

Flowrate Correction: 3.17 (%)

FLOWRATE #1:	<u>29.33</u> sec
FLOWRATE #2:	<u>29.29</u> sec
FLOWRATE #3:	<u>29.20</u> sec
FLOWRATE #4:	<u>29.35</u> sec
FLOWRATE #5:	<u>29.43</u> sec
AVERAGE T100:	<u>29.32</u> sec

dry	<u>29.44</u>	<u>29.39</u>	<u>29.49</u>	<u>29.44</u>
wet	<u>28.83</u>	<u>28.27</u>	<u>28.34</u>	<u>28.31</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: _____
GMT DATE (YYMMDD): _____ LOCAL DATE: _____
GMT LAUNCH TIME: _____ LOCAL TIME: _____
Operator Initials: _____
BALLOON SIZE: _____ Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ 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: 53271 Freq: 403 (MHz)

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

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

Sky Conditions: _____

REMARKS: _____

