

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 11/28/15
INITIALS: flw
PUMP#: 2229169
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 95.16 (mA)
 3. PUMP PRESSURE: 711 (psi)
 4. DMT Press/vac: 281 20 (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 = 0.191 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: 37.56 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 0.220 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): 12/17/2015

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 048 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: 24.60 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 12/12/2015

INITIALS: NL

1. Cathode solution # or date written on bottle: 261
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 = 0.033 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: 22.67 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 10.3, ROOM RH (%): 60

Flowrate Correction: 2.67 (%)

- FLOWRATE #1: 27.5 sec
FLOWRATE #2: 27.63 sec
FLOWRATE #3: 27.67 sec
FLOWRATE #4: 27.57 sec
FLOWRATE #5: 27.52 sec

AVERAGE T100: 27.56 sec

Dec	27.87	27.69	27.72	27.78
Net	28.46	28.49	28.55	28.50

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: 346 (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: _____

O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)

Radiosonde sn: 36188 Freq: 403 (MHz)

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

SURFACE PRES: _____ (hPa)

SURFACE TEMP: _____ (C)

SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____