

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4/16/2014
- INITIALS: WTC
- PUMP# (add x,y,z,R): 2824659
- 1. Run zero air 10 minutes (✓)
- 2. PUMP CURRENT: 93.82
- 3. PUMP PRESSURE: >11
- 4. ENSCI Press/vac: 2820.16g
- 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: BG = 0.053 μamps
- 14. RUN 10 MINUTES on 5 μamps O₃ (✓) - then switch to NO O₃ AIR.
- 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μamps: 43.46 sec.
- 16. Run sonde for 10 minutes on NO O₃ AIR (✓)
- 17. Short the cell leads: (✓)
- 18. Intake tube stored in sonde frame: (✓)
- 19. Place Instrument inside plastic bag: (✓)
- 20. Store inside Styrofoam flight box: (✓)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 4/23/2013

- 1. RUN 5 MINS on NO O₃ (✓)
- 2. RECORD CURRENT: 0.025 μamps
- 3. RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
- 4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 22.40 sec
- 5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB. (Under 24 hours to launch)

DATE (LOCAL): 5/3/2013
INITIALS: WTC

- 1. Cathode solution # or date written on bottle: 239
- 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 = 0.034 μamps
- 6. RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
- 7. SWITCH TO NO O₃ AIR.
- 8. RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 22.89 sec
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21, ROOM RH (%): 30
Flowrate Correction: 1.84 (%)

- FLOWRATE #1: 28.21 sec Dry
- FLOWRATE #2: 28.73 sec 28.69
- FLOWRATE #3: 28.59 sec 28.73
- FLOWRATE #4: 28.51 sec 28.63
- FLOWRATE #5: 28.49 sec 29.70
- AVERAGE T100: 28.61 sec Wet
- 29.29
- 29.19
- 29.21
- 29.23

DAY OF FLIGHT @ THE LAUNCH SITE.

Results: O₃ Sonde TCO extrap: _____ (DU)
O₃ Sonde TCO SBUV: _____ (DU)

FLIGHT NUMBER: H4863
GMT DATE (YYMMDD): 140503 LOCAL DATE: 140503
GMT LAUNCH TIME: 17:58 LOCAL TIME: 12:58
Operator Initials: WTC

BALLOON SIZE: 1200 Grams: TOTEX _____ Hwoyee PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2824659 O₃ CELL BACKGROUND (μamps): 0.034 O₃ Ventilation Holes: (Y/N) Yes
O₃ Flowrate: 28.61 (sec) O₃ Flowrate Correction: 1.84 (%)
Radiosonde #: 25252 Freq: 403 (MHz) If Vais RS-80, Pressure offset written on bag: _____ (hPa)
NOAA FPH sn: _____
Other instruments: _____

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

Sky Conditions: _____

REMARKS: _____