

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 9/8/14
INITIALS: CLC
PUMP#: Z327567

- 1. Run zero air 10 minutes (v)
- 2. PUMP CURRENT: 101.38 (mA)
- 3. PUMP PRESSURE: >10 (psi)
- 4. DMT Press/vac: 32 / 20 (in Hg)

- 5. Bypass cell (v)
- 6. Add 5-6cc cathode (v)
- 7. 30 MINUTES HI O₃ (v)
- 8. 3 MINUTES NO O₃ (v)

- 9. DUMP CATHODE RINSE: (v)
- 10. ADD 3.0 CC FRESH CATHODE #
- 11. ADD 1.5 CC ANODE SOLUTION: (v)
- 12. RUN 10 MINUTES on NO O₃ (v)
- 13. RECORD CURRENT BEFORE O₃: BG = 0.178 μ A
- 14. RUN 10 MINS on 5 μ A O₃ (v) - then switch to NO O₃ AIR.
- 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 33.66 sec.
- 16. Run sonde for 10 mins on NO O₃ (v)
- 17. RECORD CURRENT: BG = 0.237 μ A
- 18. Short the cell leads: (v)
- 19. Intake tube stored in sonde frame: (v)
- 20. Place Sonde inside plastic bag: (v)
- 21. Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 9-10-14

- 1. RUN 5 MINS on NO O₃ (v)
- 2. RECORD CURRENT: 0.130 μ amps
- 3. RUN 5 MINS on 5 μ amps O₃ (v) - then switch to NO O₃ AIR
- 4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 28.81 sec
- 5. Short cell leads and Store in Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 9-20-14
INITIALS: 20

- 1. Cathode solution # or date written on bottle: Jan, 13, 2014
- 2. CHANGE CATHODE SOLUTION (3cc): (v)
- 3. CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
- 4. RUN ON NO O₃ FOR 10 MINUTES: (v)
- 5. RECORD THE NO O₃ BACKGRND#1: BG1 = 2.040 μ amps
- 6. RUN ON 5 microamps of O₃ for 10 Minutes: (v)
- 7. SWITCH TO NO O₃ AIR
- 8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 21.62 sec
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23.8 ROOM RH (%): 42
 Flowrate Correction: 2.9 (%)
 FLOWRATE #1: 29.14 sec
 FLOWRATE #2: 29.14 sec
 FLOWRATE #3: 29.19 sec
 FLOWRATE #4: 29.16 sec
 FLOWRATE #5: 29.27 sec

AVERAGE T100: 29.24 sec
 dry 27.07 27.04 27.00
 wet 27.81 27.69 27.84 27.7

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV883
 GMT DATE (YYMMDD): 9/20/14 LOCAL DATE: 9/20/14
 GMT LAUNCH TIME: 6:30 LOCAL TIME: 1:30

Operator Initials: _____
 BALLOON SIZE: 800 Grams: TOTEX Hwoyee _____ PAWAN _____ (v one)
 PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: 4
 O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)

Radiosonde sn: Z8511 Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____