

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 5-10-14
- INITIALS: CC
- PUMP# (add x,y,z,R): 2E24661
- 1. Run zero air 10 minutes (✓)
- 2. PUMP CURRENT: 80.5 mA
- 3. PUMP PRESSURE: 710 lbs
- 4. ENSCI Press/vac: 28/19 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 # 239
- 11. ADD 1.5 CC ANODE SOLUTION: (✓)
- 12. RUN 10 MINUTES on NO O₃ (✓)
- 13. RECORD CURRENT: BG = 0.184 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: 37.37 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): 5/21/14

- 1. RUN 5 MINS on NO O₃ (✓)
- 2. RECORD CURRENT: 079 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: 25.81 sec
- 5. Short cell leads and Store in Styrofoam flight box: (✓)

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

DATE (LOCAL): 5-24-14
INITIALS: CLC

T100 FLOWRATE TIMES:

ROOM TEMP (C): 25, ROOM RH (%): 41
Flowrate Correction: 2.2 (%)

- 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= .037 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: 23.67 sec
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

FLOWRATE #1: 28.11 sec
 FLOWRATE #2: 27.90 sec
 FLOWRATE #3: 28.04 sec
 FLOWRATE #4: 27.87 sec
 FLOWRATE #5: 27.75 sec
 AVERAGE T100: 27.934 sec

Dry
~~28.15~~ 28.38 28.48 28.55 | 28.47
Wet: 29.15 29.10 29.08 | 29.11

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU867
 GMT DATE (YYMMDD): 14/05/24 LOCAL DATE: 14/05/24
 GMT LAUNCH TIME: 18:19 LOCAL TIME: 1:19
 Operator Initials: CLC

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

BALLOON SIZE: 800 Grams: TOTEX _____ Hwoyee PAWAN _____ (✓ one)
 PAY-OFF-WEIGHT: _____ Grams: Burst Alt: 33.27 (km) Turn/Burst: _____

O₃ sn: 2E24661 O₃ CELL BACKGROUND (μamps): 0.037 O₃ Ventilation Holes: (Y/N) T
 O₃ Flowrate: 27.934 (sec) O₃ Flowrate Correction: 2.2 (%)

Radiosonde #: 26712 Freq: 403 (MHz) If Vais RS-80, Pressure offset written on bag: _____ (hPa)
 NOAA FPH sn: _____
 Other instruments: _____

SURFACE PRES: 994 (hPa)
 SURFACE TEMP: 30 (C)
 SURFACE RH: 43 (%)
 Sky Conditions: Clear Partly Cloudy
 REMARKS: _____