

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 3/23/16
INITIALS: MO
PUMP#: 2328936
1. Run zero air 10 minutes (✓)
2. PUMP CURRENT: 94.65 (mA)
3. PUMP PRESSURE: 710 (psi)
4. DMT Press/vac: 25121 (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 # 262
11. ADD 1.5 CC ANODE SOLUTION: (✓)
12. RUN 10 MINUTES on NO O₃ (✓)
13. RECORD CURRENT BEFORE O₃: BG = 0.286 μA
14. RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 51.70 sec.
16. Run sonde for 10 mins on NO O₃ (✓)
17. RECORD CURRENT: BG = 0.244 uA
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): 3/30/16

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.149 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: 27.44 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 4/9/16
INITIALS: MG
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 = 0.059 μamps
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 μamps: 27.52 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21.3, ROOM RH (%): 22
Flowrate Correction: 2.3 (%)

FLOWRATE #1: 30.60 sec
FLOWRATE #2: 30.70 sec
FLOWRATE #3: 30.85 sec
FLOWRATE #4: 30.57 sec
FLOWRATE #5: 30.85 sec
AVERAGE T100: 30.73 sec

DRY	27.79	27.76	28.01	27.55
WET	28.52	28.90	28.48	28.50

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU964
GMT DATE (YYMMDD): 160409 LOCAL DATE: 4/9/16
GMT LAUNCH TIME: _____ LOCAL TIME: 1.20 pm

Operator Initials: _____

BALLOON SIZE: 1200 Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: _____ Burst Alt: 35.0 (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μamps): _____ O₃ Ventilation Holes: _____
O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)
Radiosonde sn: 36176 Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____