

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 3/11/16
INITIALS: MG
PUMP#: 2829320

- 1. Run zero air 10 minutes (✓)
- 2. PUMP CURRENT: 97.20 (mA)
- 3. PUMP PRESSURE: 211 (psi)
- 4. DMT Press/vac: 30119 (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 = 263 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: 43 sec.
- 16. Run sonde for 10 mins on NO O₃ (✓)
- 17. RECORD CURRENT: BG = 225 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): 3/16/16

- 1. RUN 5 MINS on NO O₃ (✓)
- 2. RECORD CURRENT: 0.129 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: 27.93 sec
- 5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3/26/2016
INITIALS: BW

- 1. Cathode solution # or date written on bottle: Oct 21, 2015
- 2. CHANGE CATHODE SOLUTION (3cc): (✓)
- 3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
- 4. RUN ON NO O₃ FOR 10 MINUTES: (✓)
- 5. RECORD THE NO O₃ BACKGRND#1: BG1 = 0.033 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: 25.24 sec
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21.2, ROOM RH (%): 30

- Flowrate Correction: 1.5 (%)
- FLOWRATE #1: 29.32 sec
 - FLOWRATE #2: 29.48 sec
 - FLOWRATE #3: 29.33 sec
 - FLOWRATE #4: 29.45 sec
 - FLOWRATE #5: 29.35 sec
 - AVERAGE T100: 29.39 sec

	1	2	3	average
dry	28.19	28.29	28.27	28.27
wet	28.69	28.67	28.69	28.68

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU962

GMT DATE (YYMMDD): 160326

LOCAL DATE: 160326

GMT LAUNCH TIME: _____

LOCAL TIME: 1:00 PM

Operator Initials: BW

BALLOON SIZE: 1000 Grams:

TOTEX _____ Hwoyee _____ PAWAN _____ (✓one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μamps): _____ O₃ Ventilation Holes: _____

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

Radiosonde sn: _____ Freq: _____ (MHz)

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

SURFACE PRES: _____ (hPa)

SURFACE TEMP: _____ (C)

SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____