

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 3/30/16
INITIALS: MG
PUMP#: 2228933
1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 97.45 (mA)
 3. PUMP PRESSURE: 210 (psi)
 4. DMT Press/vac: 32120 (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 μ A
 14. RUN 10 MINS on 5 μ A O₃ (✓) - then switch to NO O₃ AIR.
 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 50.28 sec.
 16. Run sonde for 10 mins on NO O₃ (✓)
 17. RECORD CURRENT: BG = 0.237 μ A
 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): 4/6/16

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.166 μ amps
3. RUN 5 MINS on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 3007 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 4/16/16

INITIALS: MG

1. Cathode solution # or date written on bottle: 262
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 = 0.056 μ amps
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 μ amps: 26.32 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 21.9, ROOM RH (%): 31

Flowrate Correction: 3.1 (%)

FLOWRATE #1: 28.37 sec

FLOWRATE #2: 28.53 sec

FLOWRATE #3: 28.55 sec

FLOWRATE #4: 28.64 sec

FLOWRATE #5: 28.61 sec

AVERAGE T100: 28.54 sec

	Dry	27.73	27.83	27.96	27.84
wet		28.74	28.59	28.76	28.70

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU965

GMT DATE (YYMMDD): 160416

LOCAL DATE: 4/16/16

GMT LAUNCH TIME: 0715z

LOCAL TIME: 1:15 pm

Operator Initials: MG

BALLOON SIZE: 1000 Grams:

TOTEX _____ Hwoyee _____

PAWAN _____ (✓ one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: 32.3 (km)

Turn/Burst: _____

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

O₃ Ventilation Holes: _____

Radiosonde sn: 28443 Freq: _____ (MHz)

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

SURFACE PRES: _____ (hPa)

SURFACE TEMP: _____ (C)

SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____