

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- 1. Run zero air 10 minutes (N)
- 2. PUMP CURRENT: 91.58 (mA)
- 3. PUMP PRESSURE: 210 (psi)
- 4. DMT Press/vac: 22.19 (in Hg)
- 5. Bypass cell (N)
- 6. Add 5-6cc cathode (N)
- 7. 30 MINUTES HI O₃ (N)
- 8. 3 MINUTES NO O₃ (N)
- 9. DUMP CATHODE RINSE: (N)
- 10. ADD 3.0 CC FRESH CATHODE # (N)
- 11. ADD 1.5 CC ANODE SOLUTION: (N)
- 12. RUN 10 MINUTES ON NO O₃ (N)
- 13. RECORD CURRENT BEFORE 03: BG = 101 μ A (N)
- 14. RUN 10 MINS ON 5 μ A O₃ (N) - then switch to NO O₃ AIR. (N)
- 15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 35.4 sec. (N)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 6-19-15

- 1. RUN 5 MINS ON NO O₃ (N)
- 2. RECORD CURRENT: 0.65 μ amps (N)
- 3. RUN 5 MINS ON 5 μ amps O₃ (N) - then switch to NO O₃ AIR (N)
- 4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 24.4 sec (N)
- 5. Short cell leads and Store in Styrofoam flight box: (N)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 6-20-15

INITIALS: CC

- 1. Cathode solution # or date written on bottle: 258 (N)
- 2. CHANGE CATHODE SOLUTION (3cc): (N)
- 3. CHANGE ANODE SOLUTION (1.5cc): (Yes/No) (N)
- 4. RUN ON NO O₃ FOR 10 MINUTES: (N)
- 5. RECORD THE NO O₃ BACKGRND#1: BG1 = 0.03 μ amps (N)
- 6. RUN ON 5 micraamps of O₃ for 10 Minutes: (N)
- 7. SWITCH TO NO O₃ AIR
- 8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 25.6 sec (N)
- 9. RECORD: 5 - T100 FLOWRATE TIMES:

FLOWRATE #1:	sec
FLOWRATE #2:	sec
FLOWRATE #3:	sec
FLOWRATE #4:	sec
FLOWRATE #5:	sec
AVERAGE T100:	sec

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: _____

GMT DATE (YYMMDD): _____ LOCAL DATE: _____

GMT LAUNCH TIME: _____ LOCAL TIME: _____

Operator Initials: _____

BALLOON SIZE: _____ Grams: _____ TOTEX Hwoyee _____ Burst Alt: _____ (km)

PAY-OFF-WEIGHT: _____ Grams: _____ PAWAN _____ Turn/Burst: _____ (V one)

O₃ sn: _____ O₃ CELL BACKGROUND (hamps): _____ O₃ Flowrate Correction: _____ (%)

O₃ Flowrate: _____ (sec) 27943 Freq: _____ (MHZ)

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

SURFACE PRES: _____ (hPa)

SURFACE TEMP: _____ (C)

SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: _____