

FINAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): April 28th 2006
 INITIALS: ST
 PUMP NUMBER: 28635-6PS

1. Run zero air 10 minutes (✓)
 2. PUMP CURRENT: 102 mA
 3. PUMP PRESSURE: 16 psi

4. PUMP VAC 23 mmHg
 5. 30 MINUTES HI O₃ (✓)
 6. 5 MINUTES NO O₃ (✓)

ADD 3.0 CC FRESH CATHODE: (✓)
 WAIT 2 Minutes : (✓)
 ADD 1.5 CC ANODE SOLUTION: (✓)
 RUN 10 MINUTES on NO O₃ (✓)
 RECORD CURRENT: = 0.60 μ amps
 RUN 10 MINUTES on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR.
 RECORD: TIME TO DROP FROM 4 TO 1.5 μ amps: 53.88 sec.

14. Run sonde for 10 minutes on NO O₃ AIR (✓)
 15. Short the cell leads: (✓)
 16. Add about 2 to 2.5 CC more Cathode Solution (✓)
 17. Place Instrument inside plastic bag: (✓)
 18. Store inside Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5/5/06
 INITIALS: MT
 Code solution # or date written on bottle: 1-25-06
 CHANGE CATHODE SOLUTION (3cc): (✓)
 CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
 RUN ON NO O₃ FOR 5 MINUTES: (✓)
 RECORD THE NO O₃ BACKGRND#1: BG1 = 0.01 μ amps
 RUN ON 5 microamps of O₃ for 5 Minutes: (✓)

T100 FLOWRATE TIMES:

FLOWRATE #1: 28.78 sec
 FLOWRATE #2: 28.63
 FLOWRATE #3: 28.65
 FLOWRATE #4: 28.56
 FLOWRATE #5: 28.60

DRY T100

#1: _____
 #2: _____
 #3: _____

DRY AVG: _____

WET T100

#1: _____
 #2: _____
 #3: _____

WET AVG: _____

AVERAGE T100: 28.64

ONSET TIME

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 21.69 sec.

*T100 Flowrate correction. _____ %

RECORD: ROOM TEMP (C) 20.0 ROOM REL. HUMID. (%) 40

RECORD: 5 - T100 FLOWRATE TIMES:

SONDE= _____ ppbv @ CALIB= _____

PREPARATION OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: VJ012
 LAUNCH DATE (YYMMDD): 060505 LOCAL DATE: 5/5/06
 LAUNCH TIME: 14:05:22 LOCAL TIME: 2:05 PM

ROCKET TYPE 800 Gram : Kaymont Scientific Sales _____ (✓one)

BACKGROUND (μ amps or HEX value in Y channel): 0.005

WIND VELOCITY (9 digit): 634437503 SKY CONDITIONS: overcast

FACE PRESSURE: 988

FACE TEMP. (C): 18.8

FACE HUMIDITY: 40

~ BURST PRESSURE (mb) : 10.063
31.07 km

MARKS: Ashley, Seve
41.6103° N
84.8488° W

Ventilation Holes: _____

OFF = 2100 grams

*T100 flow corr (%) = [(WET/DRY)-1.0] X 100