

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 10/31
 INITIALS: BH
 PUMP NUMBER: 278660

PUMP CURRENT: 79.91
 PUMP PRESSURE: 210
 PUMP VACUUM: 27

30 MINUTES HI O₃ (v)
 5 MINUTE NO O₃ (v)

ADD 3.0 CC CATHODE SOLUTION: (v)
 WAIT 2 MINUTES: (v)
 ADD 1.5 CC ANODE SOLUTION: (v)
 RUN 20 MINUTES ON NO O₃ (v)
 Record the current after the 20 MINUTES ON NO O₃: = 0.1436 μ amps

Short the cell leads: (v)
 Add about 2.5 CC more Cathode Solution (2Z) (v)
 Place Instrument inside plastic bag: (v)
 Store inside Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 11/19/09
 INITIALS: B

Cathode solution date written on bottle: 4/17/09
 CHANGE CATHODE SOLUTION (3cc): (v)
 CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
 RUN ON NO O₃ FOR 5 MINUTES: (v)
 RECORD THE NO O₃ BACKGRND#1: BG1=0.025 μ amps
 RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES: 2.25
 FLOWRATE #1: 28.43 sec
 FLOWRATE #2: 28.51
 FLOWRATE #3: 28.45
 FLOWRATE #4: 28.37
 FLOWRATE #5: 28.49
AVERAGE T100: 28.45

DRY T100 2.95
 #1: 27.81
 #2: 28.00
 #3: 28.14
 DRY AVG: 27.96
WET T100
 #1: 28.31
 #2: 28.37
 #3: 28.34
 WET AVG: 28.34

RESPONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 32.28 sec.
 RECORD: ROOM TEMP (C) 20 ROOM REL. HUMID. (%) 32
 RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction: 1.36 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H-575
 GMT DATE: 11/14/09 LOCAL DATE: 11/14/09
 GMT LAUNCH TIME: 1806 LOCAL TIME: 1306

BALLOON TYPE 1460 Gram : Kaymont Scientific Sales (None)

O₃ BACKGROUND (μ amps from F9 key): 0.025 μ A

VAISALA NUMBER (9 digit): 309010250
 SURFACE PRESSURE: _____
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY: _____

SKY CONDITIONS: _____

 - BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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