

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 4/18/2011 PUMP CURRENT: 76.97 30 MINUTES HI O₃ (v)
 INITIALS: SWH PUMP PRESSURE: 711 5 MINUTE NO O₃ (v)
 PUMP NUMBER: 229797-V20 PUMP VACUUM: > 22

ADD 3.0 CC CATHODE SOLUTION: (v) Short the cell leads: (v)
 WAIT 2 MINUTES: (v) Add about 2.5 CC more Cathode Solution (2Z) (v)
 ADD 1.5 CC ANODE SOLUTION: (v) Place Instrument inside plastic bag: (v)
 RUN 20 MINUTES ON NO O₃: (v) Store inside Styrofoam flight box: (v)

Record the current after the 20 MINUTES ON NO O₃: = .553 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/23/2011 **DRY T100**
 INITIALS: SWH #1: 27.90
 Cathode solution date written on bottle: (v) #2: 27.74
 CHANGE CATHODE SOLUTION (3cc): (v) #3: 28.04
 CHANGE ANODE SOLUTION (1.5cc): (v) (Yes/No) DRY AVG: 27.89
 RUN ON NO O₃ FOR 5 MINUTES: (v)
 RECORD THE NO O₃ BACKGRND#1: BG1 = .076 μ amps
 RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
 FLOWRATE #1: 29.49 sec
 FLOWRATE #2: 29.53
 FLOWRATE #3: 29.49
 FLOWRATE #4: 29.47
 FLOWRATE #5: 29.36
 AVERAGE T100: 29.47

WET T100
 #1: 28.69
 #2: 28.67
 #3: 28.88
 WET AVG: 28.75

RESONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 37.18 sec
 RECORD: ROOM TEMP (C) 23.8 ROOM REL. HUMID. (%) 96 *T100 Flowrate correction: 3.1 %
 RECORD: 5 - T100 FLOWRATE TIMES: -2.991

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU 691
 GMT DATE: 7/23/2011 LOCAL DATE: _____
 GMT LAUNCH TIME: 1 LOCAL TIME: _____

BALLOON TYPE 000 Gram: _____ Kaymont Scientific Sales _____ (v one)

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 118221249 SKY CONDITIONS: cloudy/rain?
 SURFACE PRESSURE: 168711648
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY: _____ ~ BURST PRESSURE (mb): 31.65kmat

REMARKS: _____

weighoff = _____ grams

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