

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 5/14/2011 PUMP CURRENT: 92.35 30 MINUTES HI O₃: (v)
INITIALS: WTC PUMP PRESSURE: 211 5 MINUTE NO O₃: (v)
PUMP NUMBER: 229841-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: = 0.668 μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5/28/2011 DRY T100
INITIALS: WTC #1: 27.68
Cathode solution date written on bottle: 3/23/2010 T100 FLOWRATE TIMES: #2: 27.64
CHANGE CATHODE SOLUTION (3cc): (v) FLOWRATE #1: 29.72 sec #3: 27.62
CHANGE ANODE SOLUTION (1.5cc): (v) FLOWRATE #2: 29.47 DRY AVG: 27.65
RUN ON NO O₃ FOR 5 MINUTES: (v) FLOWRATE #3: 29.33
RECORD THE NO O₃ BACKGRND#1: BG1= 0.036 μamps FLOWRATE #4: 29.43 WET T100
RUN ON 5 microamps of O₃ for 10 Minutes: (v) FLOWRATE #5: 29.32 #1: 28.21
AVERAGE T100: 29.49 #2: 28.19
#3: 28.03
WET AVG: 28.14

RESONSE TIME

SWITCH TO NO O₃ AIR.

• RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 29.14 sec. *T100 Flowrate correction. 1.77%
RECORD: ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 51
RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4683
GMT DATE: 5/28/2011 LOCAL DATE: 5/28/2011
GMT LAUNCH TIME: 17:52:43 LOCAL TIME: 12:52:43

BALLOON TYPE 1000 Gram: Kaymont Scientific Sales (v one)

O₃ BACKGROUND (μamps from F9 key): _____

VAISALA NUMBER (9 digit): 198711943 SKY CONDITIONS: clear
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____ ~ BURST PRESSURE (mb): _____

REMARKS: Lost signal at 18.9 km