

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 06/04 PUMP CURRENT: 8458 30 MINUTES HI O₃ (v)
INITIALS: BH PUMP PRESSURE: 710 5 MINUTE NO O₃ (v)
PUMP NUMBER: 27830V2D 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: = 0.334 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 6/18/2011 DRY T100
INITIALS: WTC #1: 27.81
Cathode solution date written on bottle: 3/23/2010 T100 FLOWRATE TIMES: #2: 27.87
CHANGE CATHODE SOLUTION (3cc): (v) FLOWRATE #1: 29.37 sec #3: 27.85
CHANGE ANODE SOLUTION (1.5cc): (v) FLOWRATE #2: 29.19 DRY AVG: 27.84
RUN ON NO O₃ FOR 5 MINUTES: (v) FLOWRATE #3: 29.23
RECORD THE NO O₃ BACKGRND#1: BG1 = 0.002 μ amps FLOWRATE #4: 29.17 WET T100
RUN ON 5 microamps of O₃ for 10 Minutes: (v) FLOWRATE #5: 29.23 #1: 28.33
AVERAGE T100: 29.24 #2: 28.37
#3: 28.43
WET AVG: 28.38

RESPONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 24.63 sec. *T100 Flowrate correction: 1.94 %
RECORD: ROOM TEMP (C) 24 ROOM REL. HUMID. (%) 61
RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4686
GMT DATE: 6/18/2011 LOCAL DATE: 6/18/2011
GMT LAUNCH TIME: 18:11:53 LOCAL TIME: 13:11:53

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

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 118221850 168655842 SKY CONDITIONS: Cloudy
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____
~ BURST PRESSURE (mb): _____
Alt: 34.2 km

REMARKS: _____

weighoff = _____ grams

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