

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 06/25 PUMP CURRENT: 78.65 30 MINUTES HI O₃ (v)
 INITIALS: BH PUMP PRESSURE: 210 5 MINUTE NO O₃ (v)
 PUMP NUMBER: 279801VAD 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: = 0.474 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/9/2011
 INITIALS: JKH
 Cathode solution date written on bottle: 3/23/2010
 CHANGE CATHODE SOLUTION (3cc): (v)
 CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
 RUN ON NO O₃ FOR 5 MINUTES: (v)
 RECORD THE NO O₃ BACKGRND#1: BG1 = 0.43 μ amps
 RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
 FLOWRATE #1: 29.47 sec
 FLOWRATE #2: 29.57
 FLOWRATE #3: 29.53
 FLOWRATE #4: 29.53
 FLOWRATE #5: 29.645
 AVERAGE T100: 29.51

DRY T100
 #1: 27.95
 #2: 27.77
 #3: 27.82
 DRY AVG: 27.85
WET T100
 #1: 28.33
 #2: 28.34
 #3: 28.53
 WET AVG: 28.40

RESONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 27.98 sec.
 RECORD: ROOM TEMP (C) 23.9 ROOM REL. HUMID. (%) 61
 RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.97 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HUG89
 GMT DATE: _____ LOCAL DATE: _____
 GMT LAUNCH TIME: _____ LOCAL TIME: _____

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

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 17871454 SKY CONDITIONS: _____
 SURFACE PRESSURE: _____
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY : _____ ~ BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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