

U.S. DEPT. OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 CLIMATE MONITORING AND DIAGNOSTICS LABORATORY
 DIGITAL OZONESONDE CHECKLIST

FLT # _____

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 8/6/2011 PUMP CURRENT: 88.56 30 MINUTES HI O₃: (v)
 INITIALS: WTC PUMP PRESSURE: 10 5 MINUTE NO O₃: (v)
 PUMP NUMBER: 2-29842-V21 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: = 0.450 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 8/13/2011
 INITIALS: WTC
 Cathode solution date written on bottle: 3/20/2010
 CHANGE CATHODE SOLUTION (3cc): (v)
 CHANGE ANODE SOLUTION (1.5cc): (v) (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: 29.48 sec
 FLOWRATE #2: 29.73
 FLOWRATE #3: 29.53
 FLOWRATE #4: 29.23
 FLOWRATE #5: 29.50
 AVERAGE T100: 29.49

DRY T100
 #1: 27.99
 #2: 27.99
 #3: 27.99
 DRY AVG: 27.98
WET T100
 #1: 28.17
 #2: 28.10
 #3: 28.19
 WET AVG: 28.15

RESONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 27.26 sec.
 RECORD: ROOM TEMP (C) 23.7 ROOM REL. HUMID. (%) 48
 RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 60%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H0695
 GMT DATE: _____ LOCAL DATE: 8/13/2011
 GMT LAUNCH TIME: _____ LOCAL TIME: _____

BALLOON TYPE 2000 Gram : Kaymont (v) Scientific Sales _____ (v one)

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 239113446 SKY CONDITIONS: _____
 SURFACE PRESSURE: _____
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY : _____ ~ BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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