

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

FLT # H4697

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 8/13/2011 PUMP CURRENT: 110.34 30 MINUTES HI O₃ (v)
 INITIALS: SKH PUMP PRESSURE: 2.11 5 MINUTE NO O₃ (v)
 PUMP NUMBER: 28A943-12D PUMP VACUUM: 292

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: = 770 @ 2 min.! ?

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): ~~8/13/2011~~ 8/27/2011 **DRY T100**
 INITIALS: WTC #1: 27.76
 Cathode solution date written on bottle: 03/20/2010 #2: 27.77
 CHANGE CATHODE SOLUTION (3cc): (v) #3: 27.69
 CHANGE ANODE SOLUTION (1.5cc): (Yes/No) DRY AVG: 27.74
 RUN ON NO O₃ FOR 5 MINUTES: (v) **T100 FLOWRATE TIMES:**
 RECORD THE NO O₃ BACKGRND#1: BG1 = 0.006 μamps FLOWRATE #1: 29.43 sec
 RUN ON 5 microamps of O₃ for 10 Minutes: (v) FLOWRATE #2: 29.33
 FLOWRATE #3: 29.42
 FLOWRATE #4: 29.36 **WET T100**
 FLOWRATE #5: 29.49 #1: 28.26
AVERAGE T100: 29.42 #2: 28.28
 #3: 28.30
 WET AVG: 28.28

RESONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 24.05 sec. *T100 Flowrate correction. 1.94%
 RECORD: ROOM TEMP (C) 24 ROOM REL. HUMID. (%) 40
 RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4697
 GMT DATE: ~~8/13/2011~~ 8/27/2011 LOCAL DATE: 8/27/2011
 GMT LAUNCH TIME: 18:11:55 LOCAL TIME: 13:11:55

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

O₃ BACKGROUND (μamps from F9 key): _____

VAISALA NUMBER (9 digit): 118221040 (+1.2) SKY CONDITIONS: partly cloudy
 SURFACE PRESSURE: _____
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY: _____
 - BURST PRESSURE (mb) : _____
A1+s

REMARKS: _____

weighoff = _____ grams

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