U.S. D. [...]MERCE
NATIONAL O[...] [...]D ATMOSPHERIC ADMINISTRATION
CLIMATE M[...] [...]G AND DIAGNOSTICS LABORATORY
DIGIT.[...] [...]ESONDE CHECKLIST

FLT # HU678

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 03/4/05
INITIALS: BT
PUMP NUMBER: ~~Z39714~~ V2D

PUMP CURRENT: 77.21
PUMP PRESSURE: 22
PUMP VACUUM: 710

30 MINUTES HI O_3 ✓ (√)
5 MINUTE NO O_3 ✓ (√)

ADD 3.0 CC CATHODE SOLUTION: ✓ (√)
WAIT 2 MINUTES: ✓ (√)
ADD 1.5 CC ANODE SOLUTION: ✓ (√)
RUN 20 MINUTES ON NO O_3 ✓ (√)

Short the cell leads: ✓ (√)
Add about 2.5 CC more Cathode Solution (2Z) ✓ (√)
Place Instrument inside plastic bag: ✓ (√)
Store inside Styrofoam flight box: ____ (√)

Record the current after the 20 MINUTES ON NO O_3: = 0.068 μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 4/16/2010
INITIALS: WTC
Cathode solution date written on bottle: 3/23/2010
CHANGE CATHODE SOLUTION (3cc): ✓ (√)
CHANGE ANODE SOLUTION (1.5cc): ✓ (Yes/No)
RUN ON NO O_3 FOR 5 MINUTES: ✓ (√)
RECORD THE NO O_3 BACKGRND#1: **BG1=** 0.088 μamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.84 sec
FLOWRATE #2: 28.92
FLOWRATE #3: 28.89
FLOWRATE #4: 28.73
FLOWRATE #5 28.80
AVERAGE T100: 28.84

DRY T100
#1: 27.84
#2: 27.79
#3: 27.80
DRY AVG: 27.81

WET T100
#1: 28.33
#2: 28.30
#3: 28.29
WET AVG: 28.31

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 29.77 sec.
RECORD: ROOM TEMP (C) 20.7 ROOM REL. HUMID. (%) 33
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.79%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU678
GMT DATE : 4/16/2010
GMT LAUNCH TIME : 18:00

LOCAL DATE: 4/16/2011
LOCAL TIME: 1:00

BALLOON TYPE 1000 **Gram :** Kaymont ✓ Scientific Sales____ (√ one)

O_3 BACKGROUND (μamps from F9 key):____

VAISALA NUMBER (9 digit): 210307304
SURFACE PRESSURE:____
SURFACE TEMP. (C):____
SURFACE HUMIDITY :____

SKY CONDITIONS: Cloudy

~ BURST PRESSURE (mb) :____
Alt: 31.29

REMARKS:____

weighoff =________ grams

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