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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT# H4658

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 12/18/2010
INITIALS: WTC
PUMP NUMBER: 2Z-9612-V2J

PUMP CURRENT: 88.36
PUMP PRESSURE: 2C/
PUMP VACUUM: 16

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: = 0.466 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 1/1/2011
INITIALS: WTC
Cathode solution date written on bottle: 6/21/2010
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=** 0.022 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓(√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.74 sec
FLOWRATE #2: 30.01
FLOWRATE #3: 29.89
FLOWRATE #4: 29.73
FLOWRATE #5 29.80
AVERAGE T100: 29.83

DRY T100
#1: 27.83
#2: 27.75
#3: 27.74
DRY AVG: 27.77

WET T100
#1: 28.11
#2: 28.29
#3: 28.29
WET AVG: 28.23

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 28.09 sec.
RECORD: ROOM TEMP (C) 20 ROOM REL. HUMID. (%) 48
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.59 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4658
GMT DATE : 1/1/2011 LOCAL DATE: 1/1/2011
GMT LAUNCH TIME : 19:03:37 LOCAL TIME: 13:03:37

BALLOON TYPE 800 **Gram :** Kaymont ✓ Scientific Sales____ (√ one)

O_3 BACKGROUND (µamps from F9 key):_____

VAISALA NUMBER (9 digit): 12932447
SURFACE PRESSURE:_____
SURFACE TEMP. (C):_____
SURFACE HUMIDITY :_____

SKY CONDITIONS: Cloudy, Rain
~ BURST PRESSURE (mb) :_____
Alt: 30.7 km

REMARKS:_____

weighoff =_____ grams

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