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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # HU715

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 11/7/2011
INITIALS: WTC
PUMP NUMBER: 2220683

PUMP CURRENT: 72.81
PUMP PRESSURE: 10
PUMP VACUUM: 18

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: = 0.610 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 12/17/2011
INITIALS: JKH
Cathode solution date written on bottle: 9/16/2011
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=** .095 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.11 sec
FLOWRATE #2: 29.07
FLOWRATE #3: 29.00
FLOWRATE #4: 29.08
FLOWRATE #5 29.15
AVERAGE T100: 29.066

DRY T100
#1: 27.69
#2: 27.69
#3: 27.70
DRY AVG: 27.69

WET T100
#1: 28.33
#2: 28.31
#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: 25.37 sec.
RECORD: ROOM TEMP (C) 20.2 ROOM REL. HUMID. (%) 23
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 2.23 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU715
GMT DATE : 12/12/2011
GMT LAUNCH TIME :
LOCAL DATE: 12/17/2011
LOCAL TIME:

BALLOON TYPE 1200 **Gram :** Kaymont ✓ Scientific Sales ___ (√ one)

O_3 BACKGROUND (µamps from F9 key):

VAISALA NUMBER (9 digit): G0741641
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS:
~ BURST PRESSURE (mb) :

REMARKS:

weighoff = _____ grams

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