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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # HU724

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 2/2V2012 PUMP CURRENT: 98.85 30 MINUTES HI O_3 ✓ (√)
INITIALS: SMH PUMP PRESSURE: 511 5 MINUTE NO O_3 ✓ (√)
PUMP NUMBER: 27 102106 PUMP VACUUM: ~22

ADD 3.0 CC CATHODE SOLUTION: ✓ (√) Short the cell leads: ✓ (√)
WAIT 2 MINUTES: ✓ (√) Add about 2.5 CC more Cathode Solution (2Z) ✓ (√)
ADD 1.5 CC ANODE SOLUTION: ✓ (√) Place Instrument inside plastic bag: ✓ (√)
RUN 20 MINUTES ON NO O_3 ✓ (√) Store inside Styrofoam flight box: ✓ (√)
Record the current after the 20 MINUTES ON NO O_3: = .798 µamps
+1 min.

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 02/25
INITIALS: BM
Cathode solution date written on bottle: 09/08/2011
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**= 0.1082 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.29 sec
FLOWRATE #2: 29.27
FLOWRATE #3: 29.80
FLOWRATE #4: 29.22
FLOWRATE #5 29.84
AVERAGE T100: 29.29

DRY T100
#1: 27.73
#2: 28.09
#3: 27.77
DRY AVG: 27.86

WET T100
#1: 28.27
#2: 28.31
#3: 28.31
WET AVG: 28.30

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 31.20 sec.
RECORD: ROOM TEMP (C) 19.4 ROOM REL. HUMID. (%) 17
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.58%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER:_____
GMT DATE :_____ LOCAL DATE: _____
GMT LAUNCH TIME :_____ LOCAL TIME: _____

BALLOON TYPE_____ **Gram :** Kaymont___ Scientific Sales____ (√ one)

O_3 BACKGROUND (µamps from F9 key): 68

VAISALA NUMBER (9 digit): 168711643
SURFACE PRESSURE:_____
SURFACE TEMP. (C):_____
SURFACE HUMIDITY :_____

SKY CONDITIONS:_____
~ BURST PRESSURE (mb) :_____

REMARKS:_____

weighoff =_____ grams

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