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

FLT # HU718

DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT. 101.23

DATE (LOCAL): 12/24/2012
INITIALS: AHH
PUMP NUMBER: 2220655

PUMP CURRENT: [illegible]
PUMP PRESSURE: 711
PUMP VACUUM: [illegible] 14

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: = .507 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 9/14/2012
INITIALS: BH
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=** .075 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.37 sec
FLOWRATE #2: 29.44
FLOWRATE #3: 29.26
FLOWRATE #4: 29.29
FLOWRATE #5 29.32
AVERAGE T100: 29.34

DRY T100
#1: 27.48
#2 27.48
#3: 27.43
DRY AVG: 27.46

WET T100
#1: 28.03
#2: 27.93
#3: 27.93
WET AVG: 27.96

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 27.81 sec.
RECORD: ROOM TEMP (C) 21 ROOM REL. HUMID. (%) 15
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.82 %

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): _____

VAISALA NUMBER (9 digit): 92630721 2
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

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

REMARKS: _____

weighoff = _____ grams

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