f. OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
CLIMATE MONITORING AND DIAGNOSTICS LABORATORY

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # Hn517

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 6/28/08
INITIALS: SL
PUMP NUMBER: 2274162

PUMP CURRENT: 97.18
PUMP PRESSURE: >10
PUMP VACUUM: 21.5

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: = 0.335 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/12/08
INITIALS: JB
Cathode solution date written on bottle: 3/24/07
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=** 0.023 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.48 sec
FLOWRATE #2: 29.49
FLOWRATE #3: 29.52
FLOWRATE #4: 29.77
FLOWRATE #5 29.67
AVERAGE T100: 29.59

DRY T100
#1: 28.47
#2: 28.59
#3: 28.67
DRY AVG: 28.58

WET T100
#1: 29.19
#2: 29.13
#3: 29.10
WET AVG: 29.14

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 23.5 sec.
RECORD: ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 70
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 6.96 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hn517
GMT DATE : 7/12/08
GMT LAUNCH TIME : 17:59

LOCAL DATE: 7/12/08
LOCAL TIME: 12:59

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

O_3 BACKGROUND (µamps from F9 key): _____

VAISALA NUMBER (9 digit): 118308302
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: Very Overcast

~ BURST PRESSURE (mb) : 7,199 mb
33.63 km

REMARKS: _____

weighoff = _____ grams

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