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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # HU502

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 3/22/08
INITIALS: B
PUMP NUMBER: 2Z 7422

PUMP CURRENT: 103.53
PUMP PRESSURE: 211
PUMP VACUUM: 20

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: = 0.245 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 03/29/08
INITIALS: SL
Cathode solution date written on bottle: 8/24/07
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**= 0.007 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.17 sec
FLOWRATE #2: 28.00
FLOWRATE #3: 28.01
FLOWRATE #4: 27.99
FLOWRATE #5 28.03
AVERAGE T100: 28.04

DRY T100
#1: 28.37
#2: 28.22
#3: 28.25
DRY AVG: 28.28

WET T100
#1: 28.63
#2: 28.67
#3: 28.69
WET AVG: 28.66

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 24.40 sec.
RECORD: ROOM TEMP (C) 21 ROOM REL. HUMID. (%) 38
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.34 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU502
GMT DATE : 03/29/08
GMT LAUNCH TIME : 19:03
LOCAL DATE: 03/29/08
LOCAL TIME: 13:03

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

O_3 BACKGROUND (µamps from F9 key): 0.007

VAISALA NUMBER (9 digit): 189210547
SURFACE PRESSURE: ____
SURFACE TEMP. (C): ____
SURFACE HUMIDITY : ____

SKY CONDITIONS: overcast
~ BURST PRESSURE (mb) : 8,411
burst at: 32.09 km

REMARKS: ____

weighoff = ____ grams

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