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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # Hu536

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 09/27/08
INITIALS: SL
PUMP NUMBER: 27805

PUMP CURRENT: 94.27
PUMP PRESSURE: > 10
PUMP VACUUM: 23

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: = 0.722 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 10/1/08
INITIALS: B
Cathode solution date written on bottle: 7/16/08
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=** 0.050 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.94 sec
FLOWRATE #2: 28.95
FLOWRATE #3: 28.97
FLOWRATE #4: 29.04
FLOWRATE #5 29.15
AVERAGE T100: 29.01

DRY T100
#1: 28.72
#2: 28.67
#3: 28.69
DRY AVG: 28.69

WET T100
#1: 29.06
#2: 28.98
#3: 29.09
WET AVG: 29.04

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 26.78 sec.
RECORD: ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 54
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 1.22 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hu536
GMT DATE : 10/1/08
GMT LAUNCH TIME : 1805
LOCAL DATE: 10/1/08
LOCAL TIME: 1305

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

O_3 BACKGROUND (µamps from F9 key): 0.050

VAISALA NUMBER (9 digit): 320602783
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS:

~ BURST PRESSURE (mb) : 9.104
31.77km

REMARKS:

weighoff = _____ grams

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