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

FLT # Hu566

DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 4/18/09
INITIALS: WTC
PUMP NUMBER: 27810 4

PUMP CURRENT: 88.76
PUMP PRESSURE: 11
PUMP VACUUM: 21

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: = 0.267 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5/2/09
INITIALS: WC/PB
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**= 0.017 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓(√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.63 sec
FLOWRATE #2: 28.78
FLOWRATE #3: 28.83
FLOWRATE #4: 29.73
FLOWRATE #5 28.72
AVERAGE T100: 28.778

DRY T100
#1: 28.18
#2: 28.37
#3: 28.31
DRY AVG: 28.28

WET T100
#1: 28.76
#2: 28.67
#3: 28.63
WET AVG: 28.68

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 23.37 sec.
RECORD: ROOM TEMP (C) 22 ROOM REL. HUMID. (%) 63
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.41 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hu566
GMT DATE : 5/2/09
GMT LAUNCH TIME : 17:48:01

LOCAL DATE: 5/2/09
LOCAL TIME: 12:48:01

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

O_3 BACKGROUND (µamps from F9 key): 0.017

VAISALA NUMBER (9 digit): 723104701
SURFACE PRESSURE: ____
SURFACE TEMP. (C): ____
SURFACE HUMIDITY : ____

SKY CONDITIONS: Cloudy

~ BURST PRESSURE (mb) : 5.751
At: 35.02 km

REMARKS: ____

weighoff = ____ grams

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