U.S. DEPT ERCE
NATIONAL OC ATMOSPHERIC ADMINISTRATION
CLIMATE MC AND DIAGNOSTICS LABORATORY
DIGIT **NESONDE CHECKLIST** **Huntsville**

FLT # Hu507

INITIAL PREPARATION 3-7 DAYS BEFOR.. FLIGHT.

DATE (LOCAL): 4/19/08
INITIALS: SL
PUMP NUMBER: 227465

PUMP CURRENT: 101.6
PUMP PRESSURE: >10
PUMP VACUUM: 22

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: = 0.478 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5/2/08
INITIALS: B
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**=0.063 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.05 sec
FLOWRATE #2: 29.35
FLOWRATE #3: 28.86
FLOWRATE #4: 28.94
FLOWRATE #5 28.86
AVERAGE T100: 29.01

DRY T100
#1: 28.35
#2: 28.36
#3: 28.31
DRY AVG: 28.34

WET T100
#1: 26.59
#2: 28.85
#3: 28.93
WET AVG: 28.80

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 24.17 sec.
RECORD: ROOM TEMP (C) 22 ROOM REL. HUMID. (%) 50
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.62 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hu507
GMT DATE : 5/3/08
GMT LAUNCH TIME : 1801
LOCAL DATE: 5/3/08
LOCAL TIME: 1301

BALLOON TYPE 1600 **Gram :** Kaymont ✓ Scientific Sales ____ (√ one)

O_3 BACKGROUND (µamps from F9 key): 0.063

VAISALA NUMBER (9 digit): J2030361O
SURFACE PRESSURE: ____
SURFACE TEMP. (C): ____
SURFACE HUMIDITY : ____

SKY CONDITIONS: ____

~ BURST PRESSURE (mb) : ____
30,985 km

REMARKS: ____

weighoff = ____ grams

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