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

DIGITAL OZONESONDE CHECKLIST **Huntsville**

FLT # HU522

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 08/02/08
INITIALS: JB
PUMP NUMBER: 237703

PUMP CURRENT: 86.11
PUMP PRESSURE: 8
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: = 0.543 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 8/9/08
INITIALS: SK
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**= 0.017 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.14 sec
FLOWRATE #2: 29.19
FLOWRATE #3: 29.21
FLOWRATE #4: 29.26
FLOWRATE #5 29.26
AVERAGE T100: 29.21

DRY T100
#1:
#2:
#3:
DRY AVG:

WET T100
#1:
#2:
#3:
WET AVG:

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 33.69 sec.
RECORD: ROOM TEMP (C) 22 ROOM REL. HUMID. (%) 42
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 1 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU522
GMT DATE : 8/9/08
GMT LAUNCH TIME : 18:49:15
LOCAL DATE: 8/9/08
LOCAL TIME: 13:49:15

BALLOON TYPE _____ **Gram :** Kaymont ✓ Scientific Sales ___ (√ one)

O_3 BACKGROUND (µamps from F9 key): 11920 3308

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

SKY CONDITIONS: Clear
(North-westerly wind
~ BURST PRESSURE (mb) : 31.66 km

REMARKS:

weighoff = _____ grams

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