U.S. DEPT. OF C...
NATIONAL OCEANIC A... ...PHERIC ADMINISTRATION
CLIMATE MONITORING ... DIAGNOSTICS LABORATORY

FLT # Hn520

DIGITAL OZONESONDE CHECKLIST

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 7/19/08
INITIALS: SL
PUMP NUMBER: 227702

PUMP CURRENT: 89.15
PUMP PRESSURE: 710
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: = 0.533 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 8/12/08
INITIALS: B
Cathode solution date written on bottle: 8124107
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**= 0.041 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.83 sec
FLOWRATE #2: 29.79
FLOWRATE #3: 29.75
FLOWRATE #4: 27.65
FLOWRATE #5 29.71
AVERAGE T100: 29.75

DRY T100
#1: 28.58
#2: 28.63
#3: 28.66
DRY AVG: 28.62

WET T100
#1: 28.93
#2: 29.13
#3: 29.15
WET AVG: 29.07

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 28.69 sec.
RECORD: ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 71
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 1.57 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hn520
GMT DATE : 8/12/08
GMT LAUNCH TIME : 1758
LOCAL DATE: 8/12/08
LOCAL TIME: 1258

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

O_3 BACKGROUND (µamps from F9 key): 0.041

VAISALA NUMBER (9 digit): 117707208
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS:
~ BURST PRESSURE (mb) : 16.904

REMARKS:

weighoff = _____ grams

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