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

FLT # HUS57

DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 2/21/09
INITIALS: SK
PUMP NUMBER: 227951

PUMP CURRENT: 96
PUMP PRESSURE: >11
PUMP VACUUM: 02 15

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: = 0.620 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3/6/09
INITIALS: SL
Cathode solution date written on bottle: 3/4/08
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**= 0.009 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.67 sec
FLOWRATE #2: 28.55
FLOWRATE #3: 28.64
FLOWRATE #4: 28.60
FLOWRATE #5 28.54
AVERAGE T100: 28.60

DRY T100
#1: 28.24
#2: 28.33
#3: 28.27
DRY AVG: 28.28

WET T100
#1: 28.70
#2: 28.68
#3: 28.70
WET AVG: 28.68

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 23.25 sec.
RECORD: ROOM TEMP (C) 20 ROOM REL. HUMID. (%) 29
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.41 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HUS57
GMT DATE : 3/6/09
GMT LAUNCH TIME :
LOCAL DATE: 3/6/09
LOCAL TIME:

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

O_3 BACKGROUND (µamps from F9 key): 0.009

VAISALA NUMBER (9 digit): 51710317
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS: Cloudy, Windy

~ BURST PRESSURE (mb) : 22.7 (km)
7,724 (mb)

REMARKS:

weighoff = _____ grams

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