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

DIGITAL OZONESONDE CHECKLIST

FLT # HU526

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 14/08/2008
INITIALS: S / B
PUMP NUMBER: 23 7865

PUMP CURRENT: 82.5
PUMP PRESSURE: >10
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: = 0.162 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 08/16/08
INITIALS: SL / BH
Cathode solution date written on bottle: 8/24/07
CHANGE CATHODE SOLUTION (3cc) : ✓ (√)
CHANGE ANODE SOLUTION (1.5cc): Y (Yes/No)
RUN ON NO O_3 FOR 5 MINUTES: ✓ (√)
RECORD THE NO O_3 BACKGRND#1: **BG1**= 0.035 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.92 sec
FLOWRATE #2: 28.88
FLOWRATE #3: 28.82
FLOWRATE #4: 28.88
FLOWRATE #5 28.93
AVERAGE T100: 28.90

DRY T100
#1: 28.93
#2: 28.89
#3: 28.57
DRY AVG: 28.73

WET T100
#1: 29.03
#2: 29.00
#3: 29.13
WET AVG: 29.50

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 38.17 sec.
RECORD: ROOM TEMP (C) 22 ROOM REL. HUMID. (%) 60
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 2.68%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU526
GMT DATE : 08/16/08
GMT LAUNCH TIME : 18:56
LOCAL DATE: 08/16/08
LOCAL TIME: 13:56

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

O_3 BACKGROUND (µamps from F9 key): 0.035

VAISALA NUMBER (9 digit): 219110449
SURFACE PRESSURE: ___
SURFACE TEMP. (C): ___
SURFACE HUMIDITY : ___

SKY CONDITIONS: cloudy, windy

~ BURST PRESSURE (mb) : 10.187 / at 31.3 kft

REMARKS: ___

weighoff = ___ grams

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