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

FLT # ~~[illegible]~~ HU701

DIGITAL OZONESONDE CHECKLIST

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 9/10/2011
INITIALS: SAH
PUMP NUMBER: 27283742D

PUMP CURRENT: 48.07
PUMP PRESSURE: 211
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: = .644 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 9/17/2011
INITIALS: WTC
Cathode solution date written on bottle: 3/20/2011
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**= 0.050 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.85 sec
FLOWRATE #2: 28.88
FLOWRATE #3: 28.67
FLOWRATE #4: 29.06
FLOWRATE #5 29.01
AVERAGE T100: 28.89

DRY T100
#1: 27.53
#2: 27.73
#3: 27.59
DRY AVG: 27.62

WET T100
#1: 28.04
#2: 27.92
#3: 28.09
WET AVG: 28.02

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 30.57 sec.
RECORD: ROOM TEMP (C) 23.4 ROOM REL. HUMID. (%) 42
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.44 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU701
GMT DATE : 9/17/2011
GMT LAUNCH TIME : 17:57:59

LOCAL DATE: 9/17/2011
LOCAL TIME: 12:57:59

BALLOON TYPE 1000 **Gram :** Kaymont ✓ Scientific Sales ____ (√ one)

O_3 BACKGROUND (µamps from F9 key): _____

VAISALA NUMBER (9 digit): ~~[illegible]~~ 178714654

SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: Clear

BURST PRESSURE (mb) : _____

+7.7

REMARKS: _____

weighoff = _____ grams

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