U.S. DEPT. OF C[illegible]ERCE
NATIONAL OCEANIC [illegible] ATMOSPHERIC ADMINISTRATION
CLIMATE MONITORING AND DIAGNOSTICS LABORATORY

FLT # Hu 605

DIGITAL OZONESONDE CHECKLIST Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 1/9/10
INITIALS: WTC
PUMP NUMBER: 278689

PUMP CURRENT: 83.73
PUMP PRESSURE: 11
PUMP VACUUM: [illegible]17

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: = [illegible] µamps 0.127

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 1/23/10
INITIALS: B
Cathode solution date written on bottle: _____
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**= 0.027 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: √ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.27 sec
FLOWRATE #2: 29.05
FLOWRATE #3: 29.05
FLOWRATE #4: 28.[illegible]91
FLOWRATE #5 29.03
AVERAGE T100: 29.07

DRY T100
#1: 27.53
#2: 27.77
#3: 27.78
DRY AVG: 27.69

WET T100
#1: 28.23
#2: 28.21
#3: 28.24
WET AVG: 28.22

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 25.21 sec.
RECORD: ROOM TEMP (C) 21 ROOM REL. HUMID. (%) 32
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction:** 1.1 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hu 605
GMT DATE : 1/23/2010
GMT LAUNCH TIME : _____
LOCAL DATE: 1/23/2010
LOCAL TIME: _____

BALLOON TYPE 1401 **Gram :** Kaymont √ Scientific Sales ____ (√ one)

O_3 BACKGROUND (µamps from F9 key): 0.027

VAISALA NUMBER (9 digit): 30901[illegible]5844
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: _____
~ BURST PRESSURE (mb) : _____

REMARKS: Bad Data

weighoff = _____ grams

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