COMMERCE
.NIC AND ATMOSPHERIC ADMINISTRATION
ONITORING AND DIAGNOSTICS LABORATORY

FLT # _____

ITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPA DAYS BEFORE FLIGHT.

DATE (LOCAL): 4/09
INITIALS: BH
PUMP NUMBER: 27973721

PUMP CURRENT: 93.07
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: = 0.507 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 4/23/11
INITIALS: SKH
Cathode solution date written on bottle: 3/23/10
CHANGE CATHODE SOLUTION (3cc) : ✓ (√)
CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
RUN ON NO O_3 FOR 5 MINUTES: ✓ (√)
RECORD THE NO O_3 BACKGRND#1: **BG1**= .018 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.69 sec
FLOWRATE #2: 28.87
FLOWRATE #3: 28.64
FLOWRATE #4: 28.57
FLOWRATE #5 28.71
AVERAGE T100: 28.695

DRY T100
#1: 27.70
#2: 27.88
#3: 27.67
DRY AVG: 27.75

WET T100
#1: 28.43
#2: 28.27
#3: 28.33
WET AVG: 28.34

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 27.13 sec.
RECORD: ROOM TEMP (C) 23.6 ROOM REL. HUMID. (%) 51
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 2.14 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: [illegible]
GMT DATE : _____ LOCAL DATE: _____
GMT LAUNCH TIME : _____ LOCAL TIME: _____

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

O_3 BACKGROUND (µamps from F9 key): _____

VAISALA NUMBER (9 digit): 085225355
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: Cloudy

~ BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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