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

FLT # Hu709

DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 10/29/2011
INITIALS: SKH
PUMP NUMBER: 227878

PUMP CURRENT: 140
PUMP PRESSURE: 211
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: = .771 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 11/5/2011
INITIALS: WTC
Cathode solution date written on bottle: 3/20/2010
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**= 0.052 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓

T100 FLOWRATE TIMES:
FLOWRATE #1: 30.08 sec
FLOWRATE #2: 30.07
FLOWRATE #3: 29.91
FLOWRATE #4: 29.93
FLOWRATE #5 30.04
AVERAGE T100: 30.00

DRY T100
#1: 28.18
#2: 28.08
#3: 29.95
DRY AVG: 28.09

WET T100
#1: 28.27
#2: 28.59
#3: 28.43
WET AVG: 28.43

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 33.33 sec.
RECORD: ROOM TEMP (C) 16.7 ROOM REL. HUMID. (%) 41
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.28 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: Hu709
GMT DATE : 11/5/11 LOCAL DATE: 11/5/11
GMT LAUNCH TIME : 18:01:07 LOCAL TIME: 13:01:07

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

O_3 BACKGROUND (µamps from F9 key): _____

VAISALA NUMBER (9 digit): 912331304
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: Clear
~ BURST PRESSURE (mb) : _____
Alt: 30.8 km

REMARKS: _____

weighoff = _____ grams

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