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

FLT # HU632

DIGITAL OZONESONDE CHECKLIST — **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 7/3/2010
INITIALS: WRC
PUMP NUMBER: 27-9275

PUMP CURRENT: 85.97
PUMP PRESSURE: 711
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: = 0.392 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/17/2010
INITIALS: WRC
Cathode solution date written on bottle: Oct 14, 2009
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**= 0.040 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓(√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.12 sec
FLOWRATE #2: 29.17
FLOWRATE #3: 29.31
FLOWRATE #4: 29.12
FLOWRATE #5 29.14
AVERAGE T100: 29.17

DRY T100
#1: 27.77
#2: 27.85
#3: 27.81
DRY AVG: 27.81

WET T100
#1: 28.31
#2: 28.37
#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: 30.37 sec.
RECORD: ROOM TEMP (C) 23.9 ROOM REL. HUMID. (%) 46
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.91%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU632
GMT DATE : 7/17/2010
GMT LAUNCH TIME : 17:58:31

LOCAL DATE: 7/17/2010
LOCAL TIME: 12:58:31

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

O_3 BACKGROUND (µamps from F9 key):

VAISALA NUMBER (9 digit): 229111940
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS: Cloudy

~ BURST PRESSURE (mb) :
Alt: 33.1 km

REMARKS:

weighoff =_____ grams

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