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

DIGITAL OZONESONDE CHECKLIST — Huntsville

FLT # HU 841

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 11/23/2013
INITIALS: NLP
PUMP NUMBER: 2224469

PUMP CURRENT: 107.86
PUMP PRESSURE: >10
PUMP VACUUM: 19

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: = 1.493 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 11/30/2013
INITIALS: NLP
Cathode solution date written on bottle: 239
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**= 0.057 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.71 sec
FLOWRATE #2: 28.58
FLOWRATE #3: 28.54
FLOWRATE #4: 28.67
FLOWRATE #5 28.63
AVERAGE T100: 28.63

DRY T100
#1: 29.03
#2: 29.08
#3: 29.08
DRY AVG: 29.06

WET T100
#1: 29.52
#2: 29.43
#3: 29.40
WET AVG: 29.45

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 39.63 sec.
RECORD: ROOM TEMP (C) 15.8 ROOM REL. HUMID. (%) 21
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 1.34 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU 841
GMT DATE : 11/30/2013
GMT LAUNCH TIME :
LOCAL DATE: 11/30/2013
LOCAL TIME:

BALLOON TYPE 1200 **Gram :** Kaymont___ Scientific Sales___ (√one) Hwoyee ✓

O_3 BACKGROUND (µamps from F9 key): 0.057

VAISALA NUMBER (9 digit): 21113
SURFACE PRESSURE: 1004.2
SURFACE TEMP. (C): 13.7
SURFACE HUMIDITY : 30.5

SKY CONDITIONS:
~ BURST PRESSURE (mb) :

REMARKS:

weighoff = 1700 grams

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