U.S. DE... NATIONAL O... ...IOSPHERIC ADMINISTRATION
CLIMATE M... ... DIAGNOSTICS LABORATORY
DIGIT... ...SONDE CHECKLIST

FLT # HU687

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 6/18/2011 PUMP CURRENT: 79.66 30 MINUTES HI O_3 ✓ (√)
INITIALS: WTC PUMP PRESSURE: 71 5 MINUTE NO O_3 ✓ (√)
PUMP NUMBER: 2Z9809 V2D PUMP VACUUM: 21

ADD 3.0 CC CATHODE SOLUTION: ✓ (√) Short the cell leads: ✓ (√)
WAIT 2 MINUTES: ✓ (√) Add about 2.5 CC more Cathode Solution (2Z) ✓ (√)
ADD 1.5 CC ANODE SOLUTION: ✓ (√) Place Instrument inside plastic bag: ✓ (√)
RUN 20 MINUTES ON NO O_3 ✓ (√) Store inside Styrofoam flight box: ✓ (√)
Record the current after the 20 MINUTES ON NO O_3: = 0.579 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 06/25
INITIALS: BH
Cathode solution date written on bottle: 03/23/2010
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= 0.074 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.64 sec
FLOWRATE #2: 28.74
FLOWRATE #3: 28.83
FLOWRATE #4: 28.85
FLOWRATE #5 28.70
AVERAGE T100: 28.75

DRY T100
#1: 27.72
#2: 27.74
#3: 27.68
DRY AVG: 27.72

WET T100
#1: 28.21
#2: 28.16
#3: 28.19
WET AVG: 28.19

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 35.56 sec.
RECORD: ROOM TEMP (C) 23.9 ROOM REL. HUMID. (%) 61%
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction** 1.70 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU687
GMT DATE :
GMT LAUNCH TIME :
LOCAL DATE: ~~[illegible]~~ 06/25
LOCAL TIME: 13:12

BALLOON TYPE ______ **Gram :** Kaymont___ Scientific Sales____ (√ one)

O_3 BACKGROUND (µamps from F9 key): ~~[illegible]~~

VAISALA NUMBER (9 digit): ~~[illegible]~~ ~~[illegible]~~ 188323053
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS:
~ BURST PRESSURE (mb) :

REMARKS:

weighoff = ________ grams

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