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

FLT # HU700

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 09/03/2011 PUMP CURRENT: 85.73 30 MINUTES HI O_3 ✓ (√)
INITIALS: BHV PUMP PRESSURE: >10 5 MINUTE NO O_3 ✓ (√)
PUMP NUMBER: 2298 (4421) PUMP VACUUM: <22

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: = 0.45 μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 9/10/2011

DRY T100
#1: 27.67
#2: 27.74
#3: 27.74
DRY AVG: 27.71

INITIALS: DHV
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= .951 μamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.57 sec
FLOWRATE #2: 29.46
FLOWRATE #3: 30.01
FLOWRATE #4: 29.56
FLOWRATE #5 29.41
AVERAGE T100: 29.602

WET T100
#1: 28.13
#2: 28.23
#3: 28.07
WET AVG: 28.14

RESONSE TIME
  SWITCH TO NO O_3 AIR.
  RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 28.54 sec
  RECORD: ROOM TEMP (C) 23.4 ROOM REL. HUMID. (%) 40
  RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.55 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU700
GMT DATE : 9/10/2011 LOCAL DATE: 9/10/2011
GMT LAUNCH TIME : 8 LOCAL TIME: 1:00pm

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

O_3 BACKGROUND (μamps from F9 key): _____

VAISALA NUMBER (9 digit): a264105122 SKY CONDITIONS: Clear
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

~ BURST PRESSURE (mb) : _____

REMARKS: _____

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