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

FLT # HU729

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 3/28/2012   PUMP CURRENT: 80.64   30 MINUTES HI O_3 ___(√)
INITIALS: WTC   PUMP PRESSURE: 511   5 MINUTE NO O_3 ___(√)
PUMP NUMBER: 2 3/0 20 7   PUMP VACUUM: 2 2

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: = 0 318 μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 03/31
INITIALS: BH
Cathode solution date written on bottle: 09/08/2011
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 04 μamps
RUN ON 5 microamps of O_3 for 10 Minutes: √___ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.87 ___sec
FLOWRATE #2: 29.78
FLOWRATE #3: 29.87
FLOWRATE #4: 29.75
FLOWRATE #5: 29.69
AVERAGE T100: 29.78

DRY T100
#1: 27.72
#2: 27.72
#3: 27.69
DRY AVG: 27.71

WET T100
#1: 28.34
#2: 28.18
#3: 28.19
WET AVG: 28.24

RESONSE TIME
   SWITCH TO NO O_3 AIR.
   RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 2 6.77 sec.   *T100 Flowrate correction 1.91 %
   RECORD: ROOM TEMP (C) 23.3   ROOM REL. HUMID. (%) 50%
   RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER:_____
GMT DATE   :_____   LOCAL DATE: _____
GMT LAUNCH TIME :_____   LOCAL TIME: _____

BALLOON TYPE_____Gram :   Kaymont___   Scientific Sales____   (√ one)

O_3 BACKGROUND (μamps from F9 key): X_____

VAISALA NUMBER (9 digit): H06 8 11645
SURFACE PRESSURE:_____ 63925/40 8
SURFACE TEMP. (C):_____
SURFACE HUMIDITY :_____

SKY CONDITIONS:_____

~ BURST PRESSURE (mb) :_____

REMARKS:_____
_____

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