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

FLT # __HU699__

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): __9/1/2011__   PUMP CURRENT: __91.96__   30 MINUTES HI O_3 __(√)__
INITIALS: __WTC__   PUMP PRESSURE: __711__   5 MINUTE NO O_3 __(√)__
PUMP NUMBER: __2Z9804-V2D__   PUMP VACUUM: __23__

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 = __0.042__ μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): __09/03__
INITIALS: __BH__
Cathode solution date written on bottle: __03/20/2010__
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= __0.05__ μamps
RUN ON 5 microamps of O_3 for 10 Minutes: __√__ (√)

RESONSE TIME
  SWITCH TO NO O_3 AIR.
  RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: __49.35__ sec.
  RECORD: ROOM TEMP (C) __24.8__ ROOM REL. HUMID. (%) __41__
  RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES: __29.20__
  FLOWRATE #1: __28.89__ sec
  FLOWRATE #2: __29.09__
  FLOWRATE #3: __29.16__
  FLOWRATE #4: __29.15__
  FLOWRATE #5 __29.29__
AVERAGE T100: __29.18__

DRY T100
#1: __27.72__
#2: __27.74__
#3: __27.66__
DRY AVG: __27.69__

WET T100
#1: __28.13__
#2: __28.16__
#3: __28.39__
WET AVG: __28.23__

T100 Flowrate correction. __1.95__ %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: __HU699__
GMT DATE : _____ - _____   LOCAL DATE: _____
GMT LAUNCH TIME : _____   LOCAL TIME: _____

BALLOON TYPE _____ Gram :   Kaymont ____   Scientific Sales ____   (√ one)

O_3 BACKGROUND (μamps from F9 key): _____

VAISALA NUMBER (9 digit): __926410309__   SKY CONDITIONS: _____
SURFACE PRESSURE: _____   _____
SURFACE TEMP. (C): _____   _____
SURFACE HUMIDITY : _____   ~ BURST PRESSURE (mb) : _____

REMARKS: _____
_____

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