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

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 12/10/2011   PUMP CURRENT: 85.85   30 MINUTES HI O_3 ___ (√)
INITIALS: ___   PUMP PRESSURE: >10   5 MINUTE NO O_3 ___ (√)
PUMP NUMBER: 2220640   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 ___ 0.62 (√)   Store inside Styrofoam flight box: ___ (√)
Record the current after the 20 MINUTES ON NO O_3: = 0.62 μamps

FLIGHT PREPARATION IN LAB.

DRY T100
DATE (LOCAL): 2/21/2012   #1: 27.51
INITIALS: OKW   #2: 27.57
Cathode solution date written on bottle: 9/1/2011   T100 FLOWRATE TIMES: #3: 27.66
CHANGE CATHODE SOLUTION (3cc): ___ (√)   FLOWRATE #1: 30.39 sec   DRY AVG: 27.58
CHANGE ANODE SOLUTION (1.5cc): ___ (Yes/No)   FLOWRATE #2: 30.32
  RUN ON NO O_3 FOR 5 MINUTES: ___ (√)   FLOWRATE #3: 30.32   **WET T100**
RECORD THE NO O_3 BACKGRND#1: BG1= 0.01 μamps   FLOWRATE #4: 30.61   #1: 28.02
RUN ON 5 microamps of O_3 for 10 Minutes: ___ (√)   FLOWRATE #5: 30.47   #2: 28.04
      AVERAGE T100: 30.42   #3: 28.08

RESONSE TIME   WET AVG: 28.05
  SWITCH TO NO O_3 AIR.
  RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 30.53 sec.   *T100 Flowrate correction. 1.7 %
  RECORD: ROOM TEMP (C) 22.3   ROOM REL. HUMID. (%) 41
  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): _____

VAISALA NUMBER (9 digit): 16 8741554   SKY CONDITIONS: _____
SURFACE PRESSURE: _____   _____
SURFACE TEMP. (C): _____   _____
SURFACE HUMIDITY : _____   ~ BURST PRESSURE (mb) : _____

REMARKS: _____

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