

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

FLT# H11704

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 9/29/2011 PUMP CURRENT: 83.84 30 MINUTES HI O₃ (✓)
INITIALS: UTC PUMP PRESSURE: 511 5 MINUTE NO O₃ (✓)
PUMP NUMBER: 229808-V20 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 O₃: (✓) Store inside Styrofoam flight box: (✓)
Record the current after the 20 MINUTES ON NO O₃: = 0.476 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 10/01 **DRY T100**
INITIALS: BH #1: 27.77
Cathode solution date written on bottle: 05/20/2011 #2: 27.107
CHANGE CATHODE SOLUTION (3cc): (✓) #3: 27.77
CHANGE ANODE SOLUTION (1.5cc): (✓) (Yes/No) DRY AVG: 27.74
RUN ON NO O₃ FOR 5 MINUTES: (✓) #1: 28.29
RECORD THE NO O₃ BACKGRND#1: BG1= 0.076 μ amps #2: 28.01
RUN ON 5 microamps of O₃ for 10 Minutes: (✓) #3: 28.35
T100 FLOWRATE TIMES: AVERAGE T100: 29.79 WET AVG: 28.21

RESONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 40.83 sec. *T100 Flowrate correction: 1.01 %
RECORD: ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 28
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)

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 188323049 SKY CONDITIONS: _____
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____ ~ BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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