

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

FLT # 46712

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 11/12/2011 PUMP CURRENT: 50.92 30 MINUTES HI O₃ (v)
INITIALS: SKH PUMP PRESSURE: 21 5 MINUTE NO O₃ (v)
PUMP NUMBER: 020634 PUMP VACUUM: 22

ADD 3.0 CC CATHODE SOLUTION: (v) Short the cell leads: (v)
WAIT 2 MINUTES: (v) Add about 2.5 CC more Cathode Solution (2Z) (v)
ADD 1.5 CC ANODE SOLUTION: (v) Place Instrument inside plastic bag: (v)
RUN 20 MINUTES ON NO O₃ (v) Store inside Styrofoam flight box: (v)
Record the current after the 20 MINUTES ON NO O₃: = 0567 μamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 11/26/2011
INITIALS: SKH
Cathode solution date written on bottle: 3/20/2010
CHANGE CATHODE SOLUTION (3cc): (v)
CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
RUN ON NO O₃ FOR 5 MINUTES: (v)
RECORD THE NO O₃ BACKGRND#1: BG1= 096 μamps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
FLOWRATE #1: 30.21 sec
FLOWRATE #2: 30.57
FLOWRATE #3: 30.06
FLOWRATE #4: 30.26
FLOWRATE #5: 30.29
AVERAGE T100: 30.20

DRY T100
#1: 27.70
#2: 27.70
#3: 28.73
DRY AVG: 27.71
WET T100
#1: 29.14
#2: 28.20
#3: 28.60
WET AVG: 28.31

RESONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 31.17 sec
RECORD: ROOM TEMP (C) 21.8 ROOM REL. HUMID. (%) 35
RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction 205 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: 46712
GMT DATE: _____ LOCAL DATE: _____
GMT LAUNCH TIME: _____ LOCAL TIME: _____

BALLOON TYPE _____ Gram: _____ Kaymont Scientific Sales _____ (v one)

O₃ BACKGROUND (μamps from F9 key): _____
VAISALA NUMBER (9 digit): 170654624 SKY CONDITIONS: cloudy
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____ ~ BURST PRESSURE (mb): _____

REMARKS: _____