

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

FLT # HU711

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 11/2/2011 PUMP CURRENT: 4 0.52 30 MINUTES HI O₃ (v)
INITIALS: SKH PUMP PRESSURE: 311 5 MINUTE NO O₃ (v)
PUMP NUMBER: 1316204 PUMP VACUUM: 0.22

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: = 0.62 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 11/1/19
INITIALS: BH
Cathode solution date written on bottle: 03/20/2010
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 = 0.06 μ amps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:

FLOWRATE #1: 29.55 sec
FLOWRATE #2: 29.62
FLOWRATE #3: 29.69
FLOWRATE #4: 29.69
FLOWRATE #5: 29.68
AVERAGE T100: 29.65

DRY T100

#1: 27.63
#2: 27.56
#3: 27.58
DRY AVG: 27.59

WET T100

#1: 28.04
#2: 28.09
#3: 27.98
WET AVG: 28.04

RESONSE TIME

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 33.49 sec.

RECORD: ROOM TEMP (C) 21 ROOM REL. HUMID. (%) 25

RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.63%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU711
GMT DATE: 11/1/19 LOCAL DATE: 11/1/19
GMT LAUNCH TIME: _____ LOCAL TIME: _____

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

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 178650046

SKY CONDITIONS: _____

SURFACE PRESSURE: _____

SURFACE TEMP. (C): _____

SURFACE HUMIDITY: _____

~ BURST PRESSURE (mb): _____

REMARKS: _____

weighoff = _____ grams

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