

FLT # HU609

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): 2/6/10
INITIALS: WTT
PUMP NUMBER: 228546
PUMP CURRENT: 84.01
PUMP PRESSURE: 10
PUMP VACUUM: 22
30 MINUTES HI O₃ (N)
5 MINUTE NO O₃ (N)

ADD 3.0 CC CATHODE SOLUTION: (N)
WAIT 2 MINUTES:
ADD 1.5 CC ANODE SOLUTION: (N)
RUN 20 MINUTES ON NO O₃ (N)
Record the current after the 20 MINUTES ON NO O₃ = 0.178 ramps

Short the cell leads: (N)
Add about 2.5 CC more Cathode Solution (ZZ) (N)
Place Instrument inside plastic bag: (N)
Store inside Styrofoam flight box: (N)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 02/20
INITIALS: WTT

Cathode solution date written on bottle: 04/17/09

CHANGE CATHODE SOLUTION (3cc): (N)

CHANGE ANODE SOLUTION (1.5cc): (N)

RUN ON NO O₃ FOR 5 MINUTES: (N)

RECORD THE NO O₃ BACKGRND#1: BGI = 0.028 ramps

RUN ON 5 microramps of O₃ for 10 Minutes: (N)

RESPONSE TIME

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 ramps: 24.62 sec.

RECORD: ROOM TEMP (C) 19 ROOM REL. HUMID. (%) 12

RECORD: 5 - T100 FLOWRATE TIMES:

WET T100

#3: 28.28

#2: 28.21

#1: 28.42

WET T100

FLOWRATE #5: 28.18

FLOWRATE #4: 28.23

FLOWRATE #3: 28.19

FLOWRATE #2: 28.04

FLOWRATE #1: 28.05

DRY T100

#1: 27.87

#2: 27.77

#3: 27.68

DRY AVG: 27.77

WET AVG: 28.20

*T100 Flowrate correction: 1.91%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU609

GMT DATE: 02/20

GMT LAUNCH TIME:

LOCAL DATE: 02/20
LOCAL TIME:

BALLOON TYPE: Gram

Kaymont

Scientific Sales

(none)

O₃ BACKGROUND (ramps from F9 key):

SKY CONDITIONS:

VAISALA NUMBER (9 digit): 309015752

SURFACE PRESSURE:

SURFACE TEMP. (C):

SURFACE HUMIDITY:

~ BURST PRESSURE (mb):

REMARKS: etc

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