

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

Flood Day FLT # HU720

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 1/20/2012 PUMP CURRENT: 82.70 30 MINUTES HI O₃ (v)
 INITIALS: WTE PUMP PRESSURE: 711 5 MINUTE NO O₃ (v)
 PUMP NUMBER: 2720732 PUMP VACUUM: 21

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: = 0.49 μamps

FLIGHT PREPARATION IN LAB

DATE (LOCAL): 1/25/2012
 INITIALS: WTE
 Cathode solution date written on bottle: 1/18/2011
 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= 0.096 μamps
 RUN ON 5 microamps of O₃ for 10 Minutes: (v) 8 min.

T100 FLOWRATE TIMES:
 FLOWRATE #1: 29.09 sec
 FLOWRATE #2: 29.25
 FLOWRATE #3: 29.21
 FLOWRATE #4: 29.27
 FLOWRATE #5: 29.18
 AVERAGE T100: 29.19

DRY T100
 #1: 28.01
 #2: 27.83
 #3: 27.98
 DRY AVG: 27.92

WET T100
 #1: 28.19
 #2: 28.35
 #3: 28.16
 WET AVG: 28.23

RESONSE TIME

SWITCH TO NO O₃ AIR.
 RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 34.05 sec
 RECORD: ROOM TEMP (C) 16.3 ROOM REL. HUMID. (%) 29
 RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.1 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU720
 GMT DATE: 1/25/2012 LOCAL DATE: 1/25/2012
 GMT LAUNCH TIME: 8:53 pm LOCAL TIME: 2:53

BALLOON TYPE 1200 Gram : Kaymont Scientific Sales (v one)

O₃ BACKGROUND (μamps from F9 key): _____
 VAISALA NUMBER (9 digit): 179714242 SKY CONDITIONS: clear
 SURFACE PRESSURE: _____
 SURFACE TEMP. (C): _____
 SURFACE HUMIDITY : _____ ~ BURST PRESSURE (mb) : ~~_____~~

REMARKS: _____