

NATI
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ATMOSPHERIC ADMINISTRATION
MONITORING AND DIAGNOSTICS LABORATORY
GLOBAL OZONESONDE CHECKLIST

FLT # 17U ~~628~~
629
Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 6/12/2010 PUMP CURRENT: 79.91 30 MINUTES HI O₃ (v)
INITIALS: WTC PUMP PRESSURE: 711 5 MINUTE NO O₃ (v)
PUMP NUMBER: 228820-V20 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: = 0.134 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 6/26/2010
INITIALS: WTC/BH
Cathode solution date written on bottle: 10/14/2010
CHANGE CATHODE SOLUTION (3cc): (v)
CHANGE ANODE SOLUTION (1.5cc): (v) (Yes/No)
RUN ON NO O₃ FOR 5 MINUTES: (v)
RECORD THE NO O₃ BACKGRND#1: BG1=0.0415 μ amps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.63 sec
FLOWRATE #2: 29.56
FLOWRATE #3: 29.53
FLOWRATE #4: 29.07
FLOWRATE #5: 29.68
AVERAGE T100: 29.61

DRY T100
#1: 27.85
#2: 27.93
#3: 27.77
DRY AVG: 27.85
WET T100
#1: 28.28
#2: 28.31
#3: 28.35
WET AVG: 28.31

RESONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 24.30 sec.
RECORD: ROOM TEMP (C) 23.8 ROOM REL. HUMID. (%) 48.
RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.65 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU629
GMT DATE: 06/26/2010 LOCAL DATE: 06/26/2010
GMT LAUNCH TIME: _____ LOCAL TIME: _____

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

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 118221645 SKY CONDITIONS: _____
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____ ~ BURST PRESSURE (mb) : 24.36 μ m

REMARKS: _____