

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

FLT # H4722

Huntsville

**INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.**

DATE (LOCAL): 2/13/2012 PUMP CURRENT: 27.82 30 MINUTES HI O<sub>3</sub>  (v)  
 INITIALS: WTC PUMP PRESSURE: 7u 5 MINUTE NO O<sub>3</sub>  (v)  
 PUMP NUMBER: 2220423 PUMP VACUUM: v22

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 O<sub>3</sub>  (v) Store inside Styrofoam flight box:  (v)  
 Record the current after the 20 MINUTES ON NO O<sub>3</sub>: = 0.671  $\mu$ amps

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 2/11/2012 # T100  
 INITIALS: WTC # 28.09  
 Cathode solution date written on bottle: Sept 8, 2011 #2: 27.93  
 CHANGE CATHODE SOLUTION (3cc):  (v) FLOWRATE #1: 29.92 sec #3: 27.91  
 CHANGE ANODE SOLUTION (1.5cc): \_\_\_\_\_ (Yes/No) FLOWRATE #2: 30.12 DRY AVG: 27.98  
 RUN ON NO O<sub>3</sub> FOR 5 MINUTES: \_\_\_\_\_ (v) FLOWRATE #3: 29.82  
 RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1= 0.079  $\mu$ amps FLOWRATE #4: 30.09 **WET T100**  
 RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes: \_\_\_\_\_ (v) FLOWRATE #5: 30.21 #1: 28.14  
 AVERAGE T100: 30.04 #2: 28.29  
 #3: 28.23  
 WET AVG: 28.22

**RESONSE TIME**

SWITCH TO NO O<sub>3</sub> AIR.  
 RECORD: THE TIME TO DROP FROM 4 TO 1.5  $\mu$ amps: 33.93 sec. \*T100 Flowrate correction. 0.85%  
 RECORD: ROOM TEMP (C) 14.8 ROOM REL. HUMID. (%) 15  
 RECORD: 5 - T100 FLOWRATE TIMES:

**DAY OF FLIGHT @ THE LAUNCH SITE.**

FLIGHT NUMBER: H4722  
 GMT DATE: 2/11/2012 LOCAL DATE: 2/11/2012  
 GMT LAUNCH TIME: 18:59:18 LOCAL TIME: 12:59:18

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

O<sub>3</sub> BACKGROUND ( $\mu$ amps from F9 key): \_\_\_\_\_

VAISALA NUMBER (9 digit): 106165204 SKY CONDITIONS: Cloudy  
 SURFACE PRESSURE: \_\_\_\_\_  
 SURFACE TEMP. (C): \_\_\_\_\_ to 3 mbar  
 SURFACE HUMIDITY: \_\_\_\_\_ ~ BURST PRESSURE (mb): \_\_\_\_\_  
Alt: 32. Km

REMARKS: \_\_\_\_\_

weighoff = \_\_\_\_\_ grams

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