

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

FLT # HU529

Huntsville

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

DATE (LOCAL): 08/17/08 PUMP CURRENT: 83.69 30 MINUTES HI O<sub>3</sub>  (v)  
 INITIALS: BH/SL PUMP PRESSURE: 210 5 MINUTE NO O<sub>3</sub>  (v)  
 PUMP NUMBER: 287859 PUMP VACUUM: 24

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>: = 0.507  $\mu$ amps

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 08/23/08  
 INITIALS: BH/PB  
 Cathode solution date written on bottle: 08/24/07  
 CHANGE CATHODE SOLUTION (3cc):  (v)  
 CHANGE ANODE SOLUTION (1.5cc):  (Yes/No)  
 RUN ON NO O<sub>3</sub> FOR 5 MINUTES:  (v)  
 RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1=0.050  $\mu$ amps  
 RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (v)

**DRY T100**  
 #1: 28.80  
 #2: 28.62  
 #3: 28.73  
 DRY AVG: 28.70

**T100 FLOWRATE TIMES:**  
 FLOWRATE #1: 29.26 sec  
 FLOWRATE #2: 29.22  
 FLOWRATE #3: 29.24  
 FLOWRATE #4: 29.42  
 FLOWRATE #5: 29.17  
**AVERAGE T100:** 29.26

**WET T100**  
 #1: 29.10  
 #2: 29.07  
 #3: 28.91  
 WET AVG: 29.02  
 \*T100 Flowrate correction: 1.11 %

**RESONSE TIME**

SWITCH TO NO O<sub>3</sub> AIR.  
**RECORD:** THE TIME TO DROP FROM 4 TO 1.5  $\mu$ amps: 36.17 sec.  
**RECORD:** ROOM TEMP (C) 23 ROOM REL. HUMID. (%) 48  
**RECORD:** 5 - T100 FLOWRATE TIMES:

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

FLIGHT NUMBER: HU529  
 GMT DATE: 8/23/08 LOCAL DATE: 8/23/08  
 GMT LAUNCH TIME: 1759 LOCAL TIME: 1259

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

O<sub>3</sub> BACKGROUND ( $\mu$ amps from F9 key): 0.050

VAISALA NUMBER (9 digit): 516102015 SKY CONDITIONS: windy, very cloudy  
 SURFACE PRESSURE: \_\_\_\_\_  
 SURFACE TEMP. (C): \_\_\_\_\_  
 SURFACE HUMIDITY: \_\_\_\_\_ ~ BURST PRESSURE (mb): \_\_\_\_\_

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