

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

FLT# HU743

Huntsville.

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

DATE (LOCAL): 7/3/2012 PUMP CURRENT: 81.70 30 MINUTES HI O<sub>3</sub> 6 (✓)  
INITIALS: WTC PUMP PRESSURE: 211 5 MINUTE NO O<sub>3</sub> 6 (✓)  
PUMP NUMBER: 2210157 PUMP VACUUM: 22

ADD 3.0 CC CATHODE SOLUTION: (✓) Short the cell leads: (✓)  
WAIT 2 MINUTES: (✓) Add about 2.5 CC more Cathode Solution (2Z) (✓)  
ADD 1.5 CC ANODE SOLUTION: (✓) Place Instrument inside plastic bag: (✓)  
RUN 20 MINUTES ON NO O<sub>3</sub>: (✓) Store inside Styrofoam flight box: (✓)  
Record the current after the 20 MINUTES ON NO O<sub>3</sub>: = 0.692 μamps

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 07/06  
INITIALS: BH  
Cathode solution date written on bottle: 12/13/2011  
CHANGE CATHODE SOLUTION (3cc): (✓) (✓)  
CHANGE ANODE SOLUTION (1.5cc): (✓) (Yes/No)  
RUN ON NO O<sub>3</sub> FOR 5 MINUTES: (✓) (✓)  
RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1= 0.088 μamps  
RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes: (✓) (✓)

**DRY T100**  
#1: 30.30  
#2: 30.28  
#3: 30.37  
DRY AVG: 30.30  
**WET T100**  
#1: 30.72  
#2: 30.80  
#3: 30.65  
WET AVG: 30.72

RESPONSE TIME  
SWITCH TO NO O<sub>3</sub> AIR.  
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 3.51 sec.  
RECORD: ROOM TEMP (C) 24.7 ROOM REL. HUMID. (%) 43  
RECORD: 5 - T100 FLOWRATE TIMES:

\*T100 Flowrate correction. 1.38%

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

FLIGHT NUMBER: HU 743  
GMT DATE: \_\_\_\_\_ LOCAL DATE: \_\_\_\_\_  
GMT LAUNCH TIME: \_\_\_\_\_ LOCAL TIME: \_\_\_\_\_

BALLOON TYPE \_\_\_\_\_ Gram : Kaymont \_\_\_\_\_ Scientific Sales \_\_\_\_\_ (✓ one)  
O<sub>3</sub> BACKGROUND (μamps from F9 key): \_\_\_\_\_

VAISALA NUMBER (9 digit): 188711043 SKY CONDITIONS: \_\_\_\_\_  
SURFACE PRESSURE: \_\_\_\_\_  
SURFACE TEMP. (C): \_\_\_\_\_  
SURFACE HUMIDITY : \_\_\_\_\_ ~ BURST PRESSURE (mb) : \_\_\_\_\_

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