

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

DATE (LOCAL): 4/2/2011 PUMP CURRENT: 93.14 30 MINUTES HI O<sub>3</sub>  (v)  
INITIALS: WTC PUMP PRESSURE: 711 5 MINUTE NO O<sub>3</sub>  (v)  
PUMP NUMBER: 289715-V20 PUMP VACUUM: 23

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>: = 0.275  $\mu$ amps

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL):   
INITIALS: BH  
Cathode solution date written on bottle: 03/23/2010  
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= 0.0159  $\mu$ amps  
RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (v)

T100 FLOWRATE TIMES:  
FLOWRATE #1: 28.71 sec  
FLOWRATE #2: 28.76  
FLOWRATE #3: 28.75  
FLOWRATE #4: 28.67  
FLOWRATE #5: 28.90  
AVERAGE T100: 28.76

**DRY T100**  
#1: 27.57  
#2: 27.17  
#3: 27.55  
DRY AVG: 27.54  
**WET T100**  
#1: 28.30  
#2: 28.29  
#3: 29.15  
WET AVG: 28.13

**RESONSE TIME**

SWITCH TO NO O<sub>3</sub> AIR.  
RECORD: THE TIME TO DROP FROM 4 TO 1.5  $\mu$ amps: 32.27 sec.  
RECORD: ROOM TEMP (C) 27.7 ROOM REL. HUMID. (%) 56  
RECORD: 5 - T100 FLOWRATE TIMES:

\*T100 Flowrate correction 2.14%

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

FLIGHT NUMBER: HU677  
GMT DATE: \_\_\_\_\_ LOCAL DATE: \_\_\_\_\_  
GMT LAUNCH TIME: \_\_\_\_\_ LOCAL TIME: \_\_\_\_\_

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

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

VAISALA NUMBER (9 digit): 128324443 SKY CONDITIONS: \_\_\_\_\_  
SURFACE PRESSURE: \_\_\_\_\_  
SURFACE TEMP. (C): \_\_\_\_\_  
SURFACE HUMIDITY : \_\_\_\_\_ ~ BURST PRESSURE (mb) : \_\_\_\_\_

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

weighof \_\_\_\_\_ grams

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