FLT # MU 080.

NA... ...RIC ADMINISTRATION
CLIMA... ...NOSTICS LABORATORY
DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 4/16/2011
INITIALS: WTE
PUMP NUMBER: 29462-021

PUMP CURRENT: 105.54
PUMP PRESSURE: 211
PUMP VACUUM: 21

30 MINUTES HI O_3 ✓(√)
5 MINUTE NO O_3 ✓(√)

ADD 3.0 CC CATHODE SOLUTION: ✓(√)
WAIT 2 MINUTES: ✓(√)
ADD 1.5 CC ANODE SOLUTION: ✓(√)
RUN 20 MINUTES ON NO O_3 ✓(√)

Short the cell leads: ✓(√)
Add about 2.5 CC more Cathode Solution (2Z) ✓(√)
Place Instrument inside plastic bag: ✓(√)
Store inside Styrofoam flight box: ✓(√)

Record the current after the 20 MINUTES ON NO O_3: = 0.37 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 02/05/07
INITIALS: BH

Cathode solution date written on bottle: 03/23/2010
CHANGE CATHODE SOLUTION (3cc): ✓(√)
CHANGE ANODE SOLUTION (1.5cc): ✓(Yes/No)
RUN ON NO O_3 FOR 5 MINUTES: ✓(√)
RECORD THE NO O_3 BACKGRND#1: **BG1**= 0.081 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓(√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 30.21 sec
FLOWRATE #2: 30.02
FLOWRATE #3: 30.10
FLOWRATE #4: 30.29
FLOWRATE #5 30.25
AVERAGE T100: 30.17

DRY T100
#1: 27.88
#2: 27.91
#3: 27.84
DRY AVG: 27.88

WET T100
#1: 28.27
#2: 28.45
#3: 28.31
WET AVG: 28.34

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 34.38 sec.
RECORD: ROOM TEMP (C) 22.1 ROOM REL. HUMID. (%) 40%
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.65%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: _____
GMT DATE : _____ LOCAL DATE: _____
GMT LAUNCH TIME : _____ LOCAL TIME: _____

BALLOON TYPE _____ **Gram :** Kaymont___ Scientific Sales____ (√ one)

O_3 BACKGROUND (µamps from F9 key): _____

VAISALA NUMBER (9 digit): _____
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY : _____

SKY CONDITIONS: _____
~ BURST PRESSURE (mb) : _____

REMARKS: _____

weighoff = _____ grams

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