...T. OF COMMERCE
...TIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
CLIMATE MONITORING AND DIAGNOSTICS LABORATORY

FLT # HU559

DIGITAL OZONESONDE CHECKLIST **Huntsville**

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 3/6/09
INITIALS: BM
PUMP NUMBER: 27962

PUMP CURRENT: 90.92
PUMP PRESSURE: 210
PUMP VACUUM: 22

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: = 0.375 µamps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 03/14/09
INITIALS: SL
Cathode solution date written on bottle: 3/4/08
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=** 0.047 µamps
RUN ON 5 microamps of O_3 for 10 Minutes: ✓ (√)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.98 sec
FLOWRATE #2: 29.90
FLOWRATE #3: 29.98
FLOWRATE #4: 29.87
FLOWRATE #5 29.85
AVERAGE T100: 29.92

DRY T100
#1: 28.48
#2: 28.37
#3: 28.45
DRY AVG: 28.43

WET T100
#1: 28.43
#2: 28.27
#3: 28.27
WET AVG: 28.72

RESONSE TIME
SWITCH TO NO O_3 AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 µamps: 25.41 sec.
RECORD: ROOM TEMP (C) 18 ROOM REL. HUMID. (%) 35
RECORD: 5 - T100 FLOWRATE TIMES:

***T100 Flowrate correction.** 1.02 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU559
GMT DATE : 03/14/09
GMT LAUNCH TIME : 18:00

LOCAL DATE: 03/14/09
LOCAL TIME: 13:00

BALLOON TYPE 1200 **Gram :** Kaymont X Scientific Sales____ (√ one)

O_3 BACKGROUND (µamps from F9 key): 0.047

VAISALA NUMBER (9 digit): 723104813
SURFACE PRESSURE:
SURFACE TEMP. (C):
SURFACE HUMIDITY :

SKY CONDITIONS: overcast & rainy

~ BURST PRESSURE (mb) : 3.919 at 37.32 km

REMARKS:

weighoff =_____ grams

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