

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

FLT # HU852

Huntsville

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 02/01/2014 PUMP CURRENT: 99.85 30 MINUTES HI O₃ (✓)
INITIALS: NLP PUMP PRESSURE: >10 5 MINUTE NO O₃ (✓)
PUMP NUMBER: 2224599 PUMP VACUUM: 21

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 O₃ (✓) Store inside Styrofoam flight box: _____ (✓)
Record the current after the 20 MINUTES ON NO O₃: = 89.93 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 02/15/2014 **DRY T100**
INITIALS: NLP #1: _____
Cathode solution date written on bottle: 239 #2: _____
CHANGE CATHODE SOLUTION (3cc): (✓) T100 FLOWRATE TIMES: #3: _____
CHANGE ANODE SOLUTION (1.5cc): (Yes/No) FLOWRATE #1: _____ sec DRY AVG: _____
RUN ON NO O₃ FOR 5 MINUTES: (✓) FLOWRATE #2: _____
RECORD THE NO O₃ BACKGRND#1: BG1= 0.056 μ amps FLOWRATE #3: _____
RUN ON 5 microamps of O₃ for 10 Minutes: (✓) FLOWRATE #4: _____ **WET T100**
#1: _____
#2: _____
#3: _____
WET AVG: _____

RESONSE TIME
SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 29.12 sec. *T100 Flowrate correction. _____ %
RECORD: ROOM TEMP (C) 17.2 ROOM REL. HUMID. (%) 18
RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU 852
GMT DATE: 02/15/2014 LOCAL DATE: 02/15/2014
GMT LAUNCH TIME: 19:00 LOCAL TIME: 13:00

BALLOON TYPE 120J Gram: Kaymont _____ Scientific Sales _____ (none) twoyee ✓

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 21124 SKY CONDITIONS: _____
SURFACE PRESSURE: 996.1
SURFACE TEMP. (C): 3.6
SURFACE HUMIDITY: 48.8 ~ BURST PRESSURE (mb): ~~36.30~~ 36.30
ALT

REMARKS: _____

weighoff = 1700 grams *T100 flow corr (%) = [(WET/DRY)-1.0] X 100