

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 9/19/09
INITIALS: WC
PUMP NUMBER: 728393

PUMP CURRENT: 90.07
PUMP PRESSURE: 11
PUMP VACUUM: 23

30 MINUTES HI O₃ (v)
5 MINUTE NO O₃ (v)

ADD 3.0 CC CATHODE SOLUTION: (v)
WAIT 2 MINUTES: (v)
ADD 1.5 CC ANODE SOLUTION: (v)
RUN 20 MINUTES ON NO O₃: (v)
Record the current after the 20 MINUTES ON NO O₃: = 0.4089 μ amps

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

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 10/03/09
INITIALS: WV

Cathode solution date written on bottle: 04/17/09
CHANGE CATHODE SOLUTION (3cc): (v)
CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
RUN ON NO O₃ FOR 5 MINUTES: (v)
RECORD THE NO O₃ BACKGRND#1: BG1 = 0.034 μ amps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
FLOWRATE #1: 28.97 sec
FLOWRATE #2: 29.07
FLOWRATE #3: 29.03
FLOWRATE #4: 29.09
FLOWRATE #5: 29.10
AVERAGE T100: 29.05

DRY T100
#1: 28.03
#2: 27.87
#3: 27.95
DRY AVG: 27.95
WET T100
#1: 28.49
#2: 28.42
#3: 28.33
WET AVG: 28.41

RESONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 43.09 sec.
RECORD: ROOM TEMP (C) 21 ROOM REL. HUMID. (%) 36
RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction: 1.65%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: ~~HU589~~ HU589
GMT DATE: 10/03/2009 LOCAL DATE: 10/03/2009
GMT LAUNCH TIME: _____ LOCAL TIME: _____

BALLOON TYPE _____ Gram: _____ Kaymont _____ Scientific Sales _____ (v one)

O₃ BACKGROUND (μ amps from F9 key): ~~308910948~~ ~~725200714~~

VAISALA NUMBER (9 digit): 723200714
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____

SKY CONDITIONS: _____
BURST PRESSURE (mb): 33.008
7.518

REMARKS: _____

weighoff = _____ grams

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