

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 11/2/09
INITIALS: WTC
PUMP NUMBER: 278663

PUMP CURRENT: 78.44
PUMP PRESSURE: 11
PUMP VACUUM: 22

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: = 0.339 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): 11/21/09
INITIALS: SL
Cathode solution date written on bottle: 4/17/09
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=0.022 μ amps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:
FLOWRATE #1: 29.71 sec
FLOWRATE #2: 29.57
FLOWRATE #3: 29.60
FLOWRATE #4: 29.67
FLOWRATE #5: 29.63
AVERAGE T100: 29.64

DRY T100
#1: 27.87
#2: 27.97
#3: 27.89
DRY AVG: 27.91
WET T100
#1: 28.33
#2: 28.40
#3: 28.40
WET AVG: 28.38

RESONSE TIME

SWITCH TO NO O₃ AIR.
RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 28.43 sec.
RECORD: ROOM TEMP (C) 20 ROOM REL. HUMID. (%) 27
RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction: 1.68 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU596
GMT DATE: 11/21/09 LOCAL DATE: 11/21/09
GMT LAUNCH TIME: 18:59:27 LOCAL TIME: 12:59:27

BALLOON TYPE 1200 Gram: Kaymont Scientific Sales (none)

O₃ BACKGROUND (μ amps from F9 key): 0.022

VAISALA NUMBER (9 digit): 308121654
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____

SKY CONDITIONS: partly cloudy
no wind
BURST PRESSURE (mb): ~~2.5~~ 5.458 at 34.717 km

REMARKS: hard time keeping good signal.

weighoff = _____ grams

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