

INITIAL PREPARATION 3-7 DAYS BEFORE FLIGHT.

DATE (LOCAL): 5/23/09
INITIALS: WC
PUMP NUMBER: 228236

PUMP CURRENT: 80.97
PUMP PRESSURE: 11
PUMP VACUUM: 23

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

ADD 3.0 CC CATHODE SOLUTION: (v) Short the cell leads: (v)
WAIT 2 MINUTES: (v) Add about 2.5 CC more Cathode Solution (2Z) (v)
ADD 1.5 CC ANODE SOLUTION: (v) Place Instrument inside plastic bag: (v)
RUN 20 MINUTES ON NO O₃: (v) Store inside Styrofoam flight box: (v)
Record the current after the 20 MINUTES ON NO O₃: = 0.457 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 6/6/09
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=0.021 μ amps
RUN ON 5 microamps of O₃ for 10 Minutes: (v)

T100 FLOWRATE TIMES:

FLOWRATE #1: 29.13 sec
FLOWRATE #2: 29.19
FLOWRATE #3: 29.11
FLOWRATE #4: 29.00
FLOWRATE #5: 29.08

AVERAGE T100: 29.10

DRY T100

#1: 28.17
#2: 28.33
#3: 28.36
DRY AVG: 28.29

WET T100

#1: 28.59
#2: 28.69
#3: 28.67
WET AVG: 28.65

RESONSE TIME

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 23.78 sec.

RECORD: ROOM TEMP (C) 24 ROOM REL. HUMID. (%) 37

RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.27%

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU 572
GMT DATE: 6/6/09
GMT LAUNCH TIME: 18:14:35

LOCAL DATE: 6/6/09
LOCAL TIME: 13:14:35

BALLOON TYPE 1200 Gram: Kaymont Scientific Sales (v one)

O₃ BACKGROUND (μ amps from F9 key): 0.021

VAISALA NUMBER (9 digit): 723200 ~~500~~ 702
SURFACE PRESSURE: _____
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____

SKY CONDITIONS: mostly clear
partly cloudy

~ BURST PRESSURE (mb): 6.145 at 34.53 km

REMARKS: no-reel launch, small payload added to train by Bill Brown

weighoff = _____ grams

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