

JUL 2010 RECONDITIONED

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): <u>9/8/2010</u>	1. Run zero air 10 minutes <input checked="" type="checkbox"/> (v)	5. Bypass cell <input checked="" type="checkbox"/> (v)
INITIALS: <u>bc</u>	2. PUMP CURRENT: <u>99</u>	6. Add 5-6cc cathode <input checked="" type="checkbox"/> (v)
PUMP# (add x,y,z,R): <u>239032 x</u>	3. PUMP PRESSURE: <u>13</u>	7. 30 MINUTES HI O ₃ <input checked="" type="checkbox"/> (v)
	4. ENSCI Press/vac: <u>31/21</u>	8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (v)

9. DUMP CATHODE RINSE: <input checked="" type="checkbox"/> (v)	16. Run sonde for 10 minutes on NO O ₃ AIR <input checked="" type="checkbox"/> (v)
10. ADD 3.0 CC FRESH CATHODE # <u>201</u>	17. Short the cell leads: <input checked="" type="checkbox"/> (v)
11. ADD 1.5 CC ANODE SOLUTION: <input checked="" type="checkbox"/> (v)	18. intake tube stored in sonde frame: <input checked="" type="checkbox"/> (v)
12. RUN 10 MINUTES on NO O ₃ <input checked="" type="checkbox"/> (v)	19. Place Instrument inside plastic bag: <input checked="" type="checkbox"/> (v)
13. RECORD CURRENT: = <u>0.08</u> μ amps	20. Store inside Styrofoam flight box: <input checked="" type="checkbox"/> (v)
14. RUN 10 MINUTES on 5 μ amps O ₃ <input checked="" type="checkbox"/> (v) - then switch to NO O ₃ AIR.	
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ amps: <u>19.25</u> sec.	

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): _____

• 5 MINUTES on NO O ₃ <input checked="" type="checkbox"/> (v)	0.015	29.63
• RECORD CURRENT: _____ μ amps	54 sec	29.58
• RUN 5 MINUTES on 5 μ amps O ₃ _____ (v) - then switch to NO O ₃ AIR.	99/100	29.57
• TIME TO DROP FROM 4 TO 1.5 μ amps: _____ sec. RUN 5 minutes:		29.53
		29.64

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 9/25/2010 10/30/2010

INITIALS: SG WC SC 6/21/2010

Cathode solution # or date written on bottle: 10/21/2010

CHANGE CATHODE SOLUTION (3cc): (v)

CHANGE ANODE SOLUTION (1.5cc): (Yes/No)

RUN ON NO O₃ FOR 10 MINUTES: (v)

RECORD THE NO O₃ BACKGRND#1: BG1 = 0.008 μ amps

RUN ON 5 microamps of O₃ for 10 Minutes: (v)

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 22.05 sec.

RECORD: ROOM TEMP (C) 18.7 ROOM REL. HUMID. (%) 36 Flowrate Correction 1.11 % (Tables)

RECORD: 5 - T100 FLOWRATE TIMES:

TEST UNIT T100 flow : _____

ENSCI label air flow (s/100ml) : _____

T100 FLOWRATE TIMES:

FLOWRATE #1: 29.88 sec

FLOWRATE #2: 29.90

FLOWRATE #3: 29.89

FLOWRATE #4: 29.96

FLOWRATE #5: 29.80

AVERAGE T100: 29.89

Dry:

1 27.87

2 27.90

3 ~~27.90~~ 27.91

Avg: 27.92

Wet

1 28.20

2 28.31

3 28.18

Avg 28.23

SONDE= _____ ppbv @ CALIB= _____

DAY OF FLIGHT @ THE LAUNCH SITE.

GAUGE Pressure: _____

VAISALA Pressure: _____

FLIGHT NUMBER: HU649

GMT DATE (YYMMDD): 10/30/2010 LOCAL DATE: 10/30/2010

GMT LAUNCH TIME: 17:52:48 LOCAL TIME: 12:52:48

BALLOON TYPE 800 Gram: Kaymont Scientific Sales _____ (v one)

O₃ BACKGROUND (μ amps): _____

VAISALA NUMBER (9 digit): 128324545

SURFACE PRESSURE: _____ SKY CONDITIONS: Clear.

SURFACE TEMP. (C): _____

SURFACE HUMIDITY: _____ Forced launch

REMARKS: _____ 30km

Ventilation Holes: _____ weighoff = _____ grams