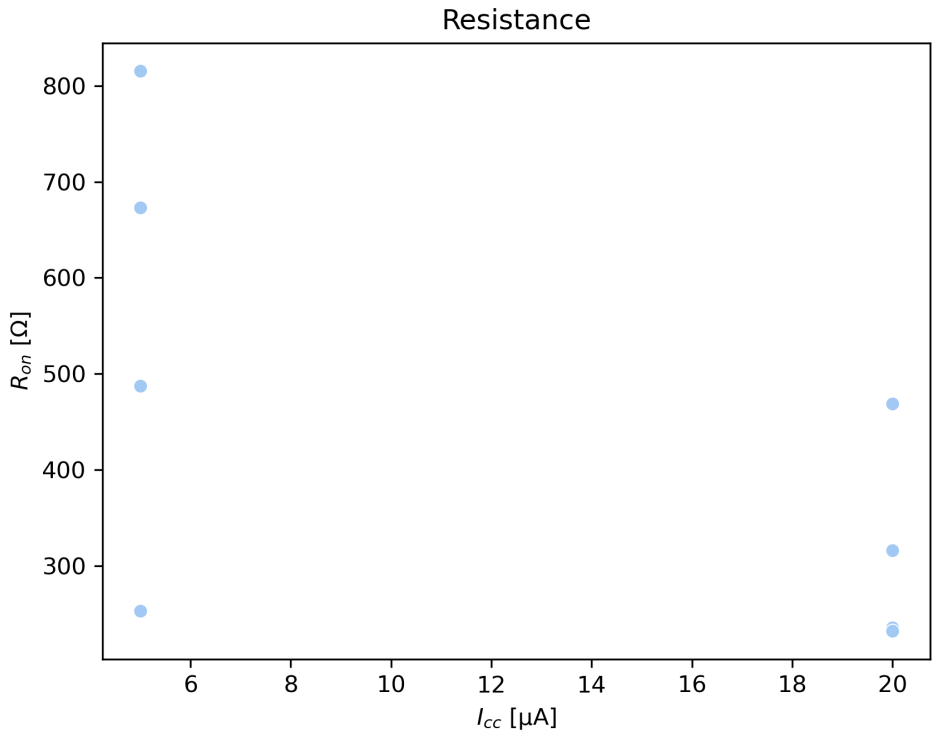
(device,0,0,-1,-1,0,1) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 17
- **Last Measurement:** 2022/February/24 at 12:30PM

Summary

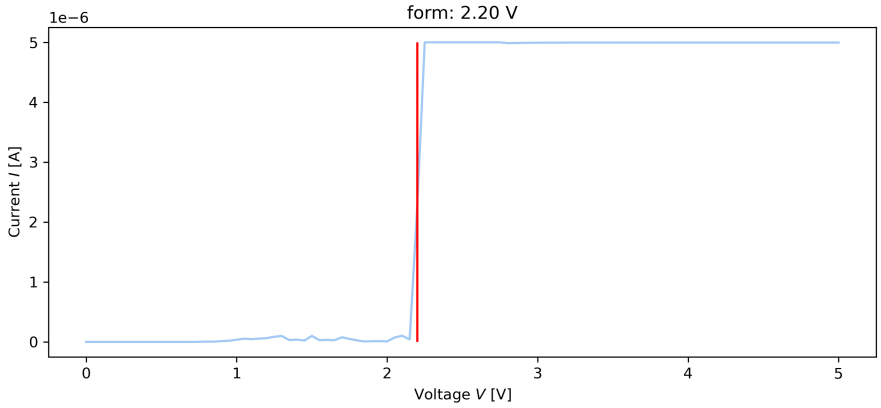
Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	5.0	2.20	815.33	1.000
2	5.0	2.90	252.99	1.000
3	5.0	2.90	487.26	0.994
4	5.0	2.90	673.14	0.998
5	20.0	2.70	468.91	1.000
6	20.0	3.50	316.29	1.000
7	20.0	3.50	235.84	1.000
8	20.0	3.50	232.12	1.000



form

- **Time:** 11:30AM
- **Icc:** 5.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 2.20 V

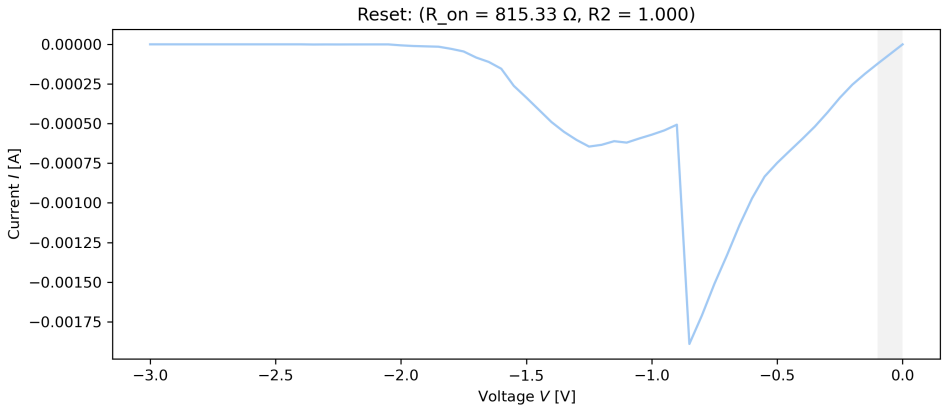
Probe A: Copper Probe B: Platinum



reset

- **Time:** 11:39AM
- **Icc:** 5.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.560 V/s*
- **Cycle:** 1
- **Resistance:** 815.33 Ω
- **Linear Fit R2:** 1.000

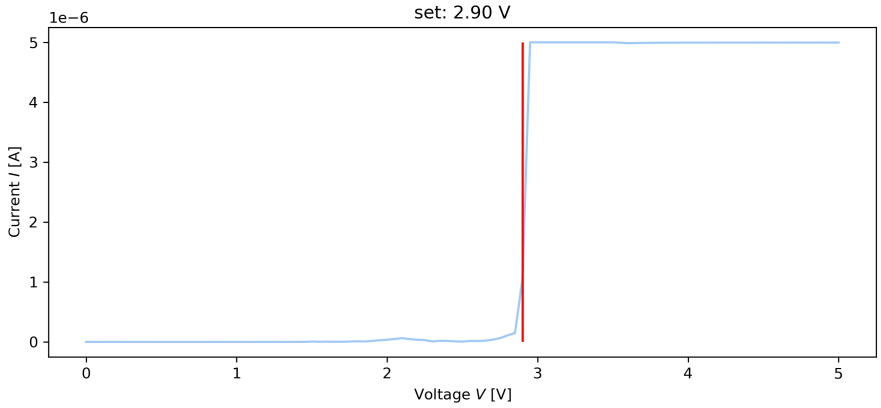
Probe A: Copper Probe B: Platinum Missing Time axis, Time included from 2202241150



set

- **Time:** 11:42AM
- **Icc:** 5.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 2
- **Set Voltage:** 2.90 V

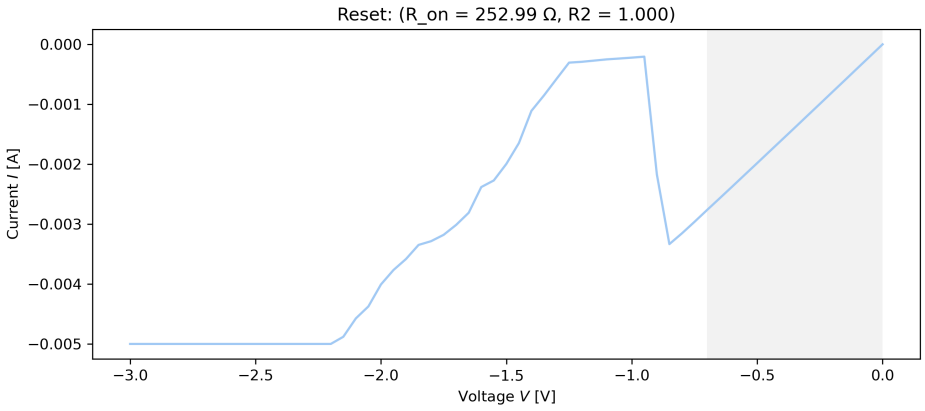
Probe A: Copper Probe B: Platinum



reset

- **Time:** 11:50AM
- **Icc:** 5.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.559 V/s*
- **Cycle:** 2
- **Resistance:** 252.99 Ω
- **Linear Fit R2:** 1.000

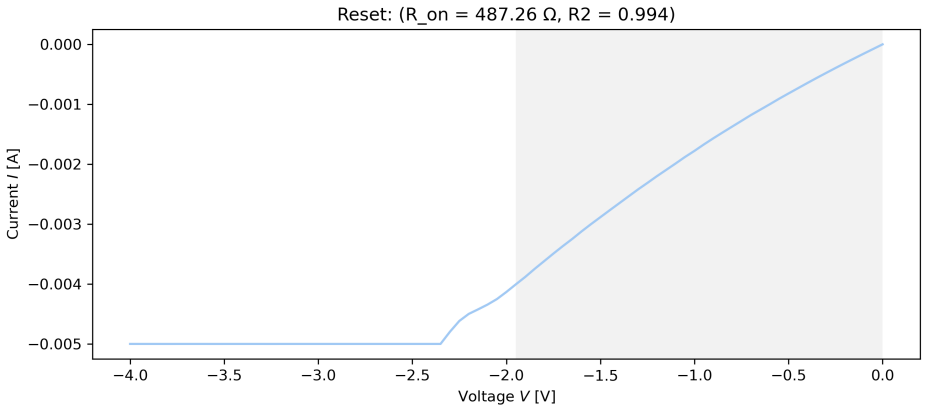
Probe A: Copper Probe B: Platinum



reset

- **Time:** 11:56AM
- **Icc:** 5.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.388 V/s*
- **Cycle:** 3
- **Resistance:** 487.26 Ω
- **Linear Fit R2:** 0.994

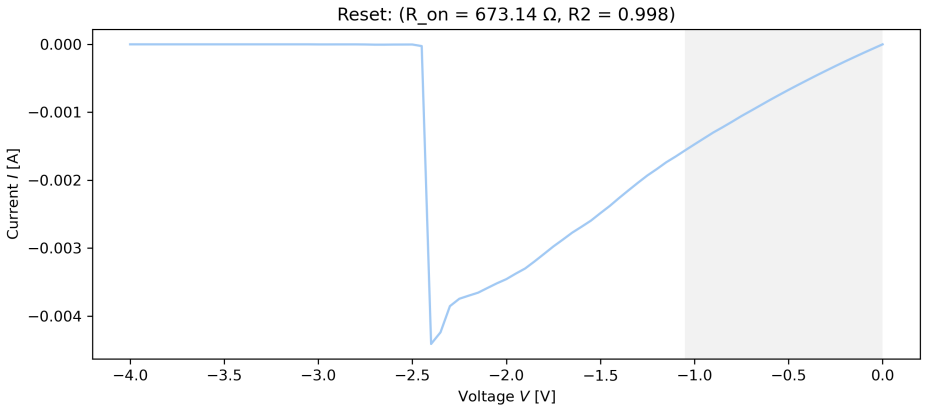
Probe A: Copper Probe B: Platinum



reset

- **Time:** 11:57AM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.316 V/s*
- **Cycle:** 4
- **Resistance:** 673.14 Ω
- **Linear Fit R2:** 0.998

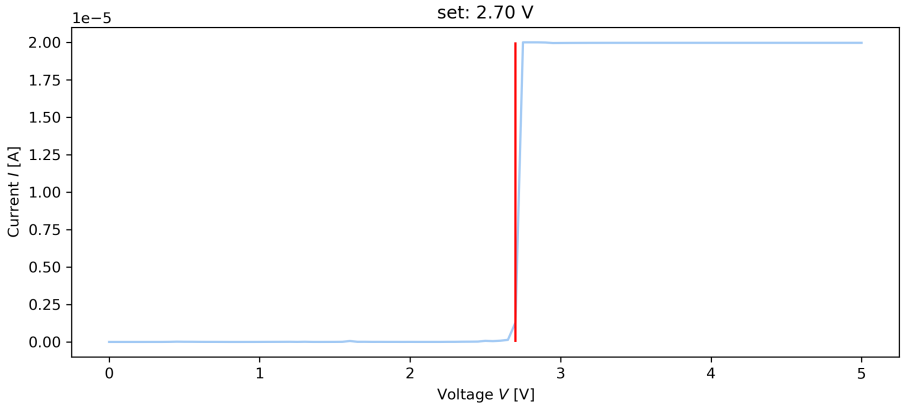
Probe A: Copper Probe B: Platinum



set

- **Time:** 12:02PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 2.70 V

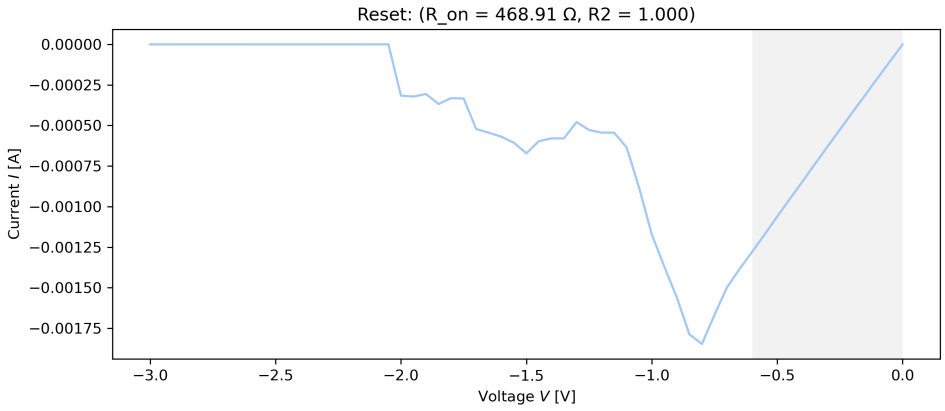
Probe A: Copper Probe B: Platinum



reset

- **Time:** 12:06PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.470 V/s*
- **Cycle:** 5
- **Resistance:** 468.91 Ω
- **Linear Fit R2:** 1.000

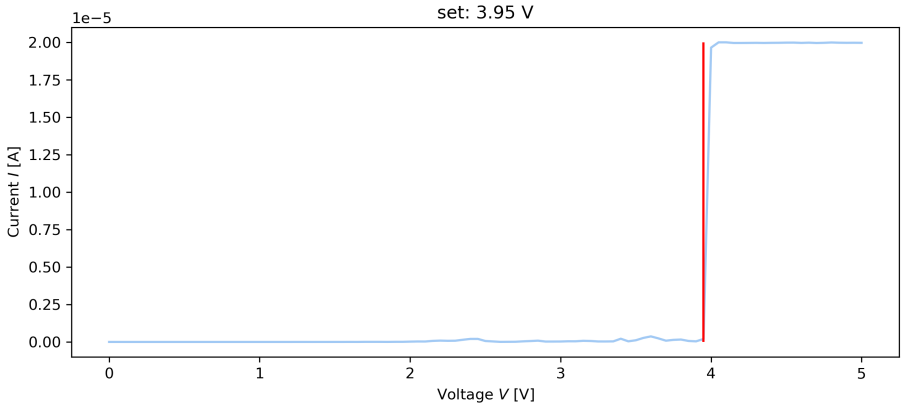
Probe A: Copper Probe B: Platinum Cell reset but with odd graph, no sharp change in current



set

- **Time:** 12:13PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 3.95 V

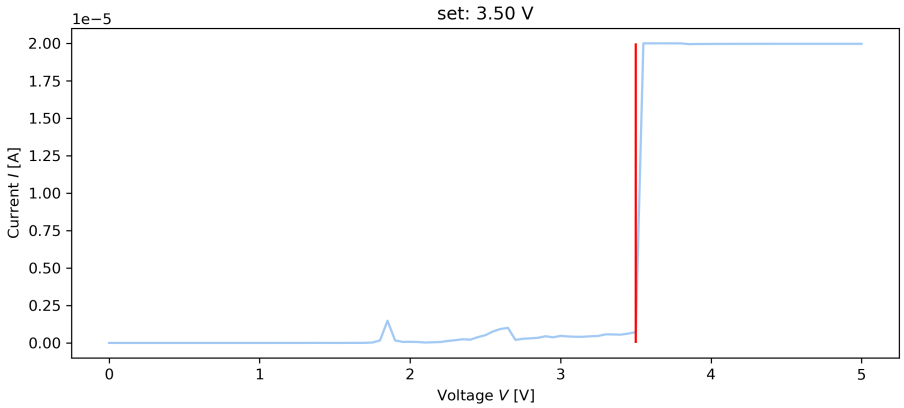
Probe A: Copper Probe B: Platinum Cell set much later than usual at ~4V



set

- **Time:** 12:21PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 3.50 V

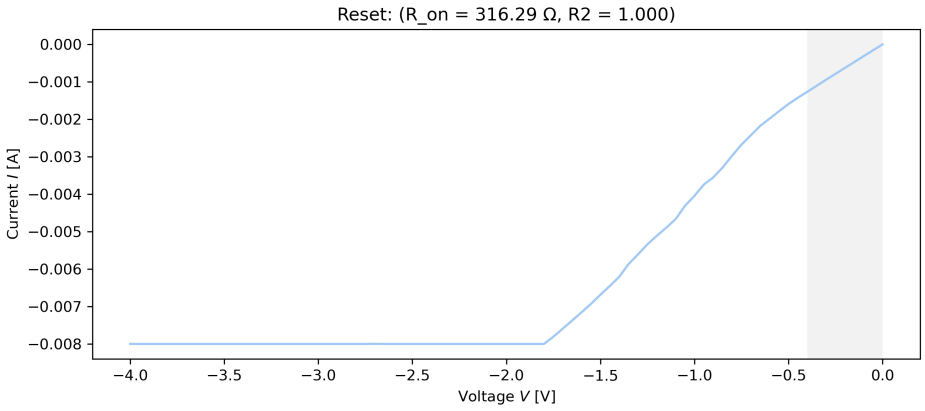
Probe A: Copper Probe B: Platinum Amrita sweeped this cell from 5V to 0V after sweeping from 0-5V from the previous run prior to running this test as advised by Dr.Orlowski on 2/22/2022 This run set the cell earlier than run 2202241213 at ~3.35V



reset

- **Time:** 12:28PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.560 V/s*
- **Cycle:** 6
- **Resistance:** 316.29 Ω
- **Linear Fit R2:** 1.000

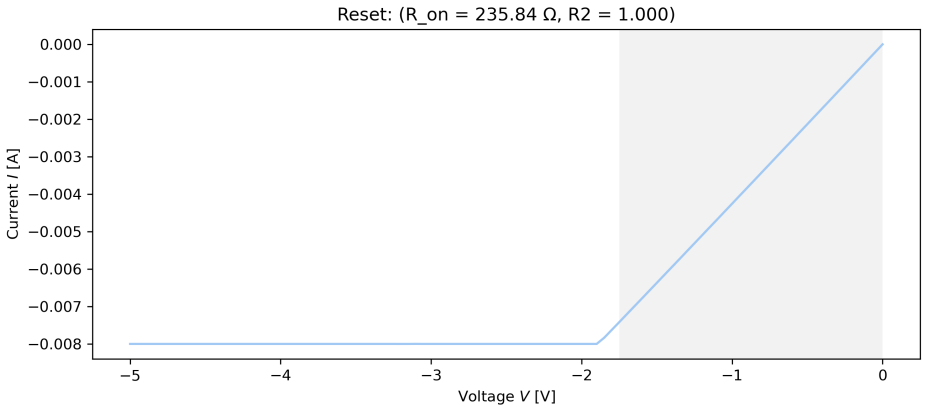
Probe A: Copper Probe B: Platinum



reset

- **Time:** 12:29PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.662 V/s*
- **Cycle:** 7
- **Resistance:** 235.84 Ω
- **Linear Fit R2:** 1.000

Probe A: Copper Probe B: Platinum



reset

- **Time:** 12:30PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.662 V/s*
- **Cycle:** 8
- **Resistance:** 232.12 Ω
- **Linear Fit R2:** 1.000

Probe A: Copper Probe B: Platinum