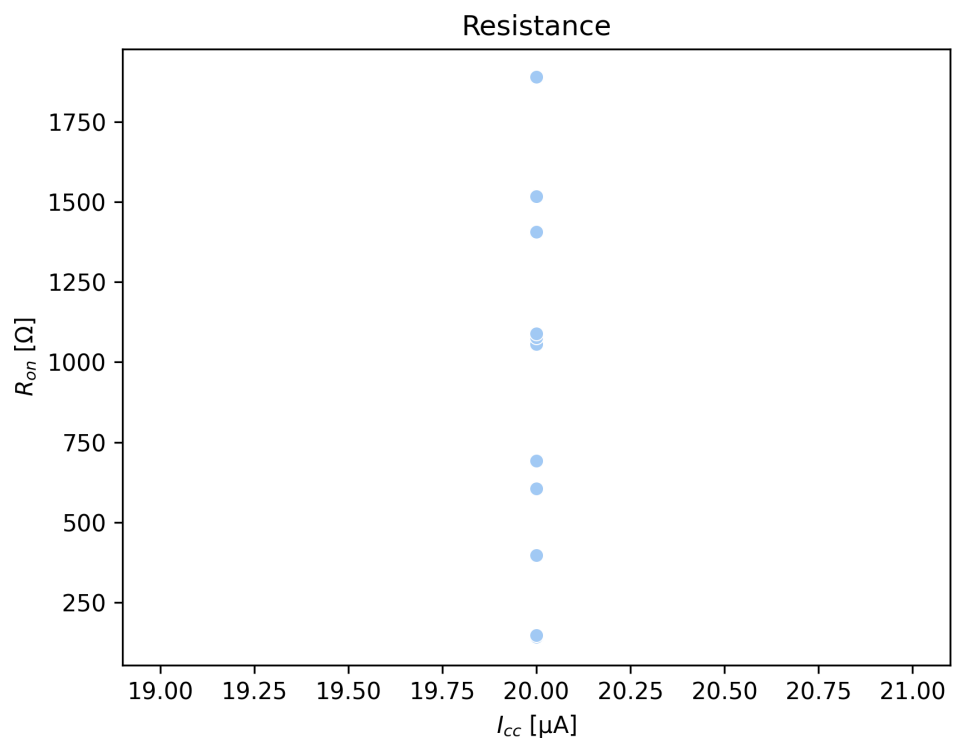# (wafer2,0,1,-1,-1,1,0) Characteristics

_____

- **Cell Size:** 10um
- **Times Accessed:** 24
- **Last Measurement:** 2022/March/17 at 03:58:40PM
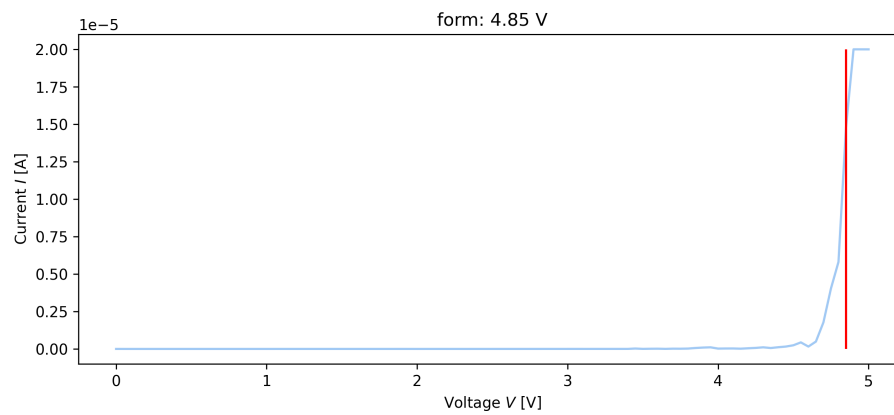
Summary

Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	4.85	1062.32	1.000
2	20.0	4.85	1056.62	1.000
3	20.0	4.85	1517.13	0.999
4	20.0	2.40	1077.00	1.000
5	20.0	2.40	1089.46	1.000
6	20.0	2.40	142.08	1.000
7	20.0	2.40	142.46	1.000
8	20.0	2.40	146.81	1.000
9	20.0	2.40	1406.77	1.000
10	20.0	2.40	1889.50	0.993
11	20.0	1.25	-209758.98	0.403
12	20.0	1.25	397.26	1.000
13	20.0	1.25	692.10	1.000
14	20.0	1.25	605.90	1.000

Resistance

form

_____

- **Time:** 03:13:48PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 4.85 V

Formed at 4.9 V
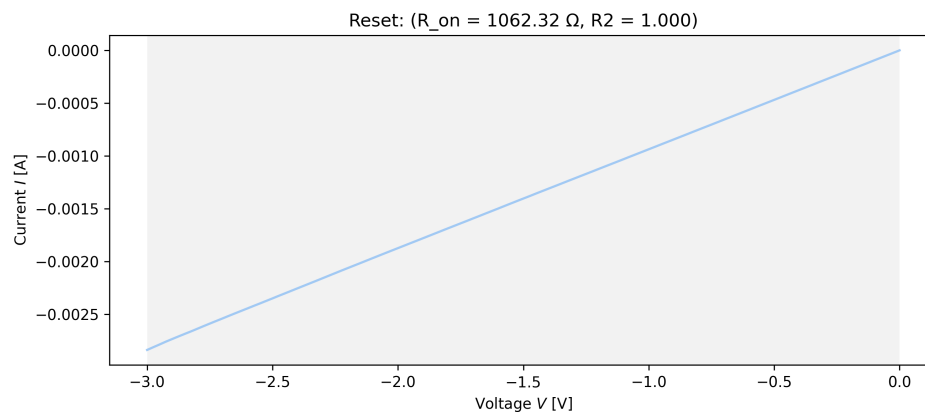
reset

_____

- **Time:** 03:15:00PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.591 V/s*
- **Cycle:** 1
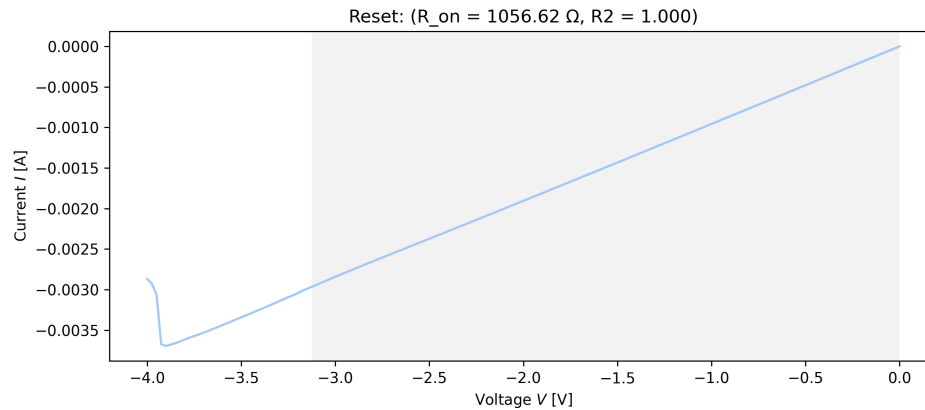- **Resistance:** 1062.32 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 1062.32 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:15:52PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.598 V/s*
- **Cycle:** 2
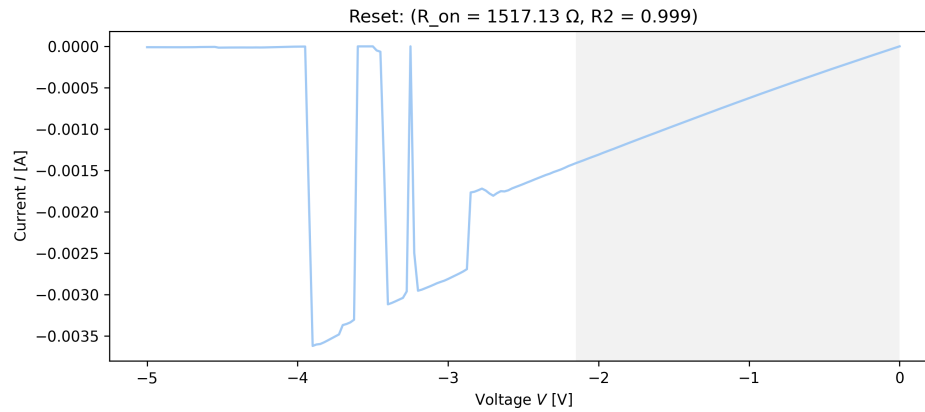- **Resistance:** 1056.62 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 1056.62 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:17:30PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s*
- **Cycle:** 3
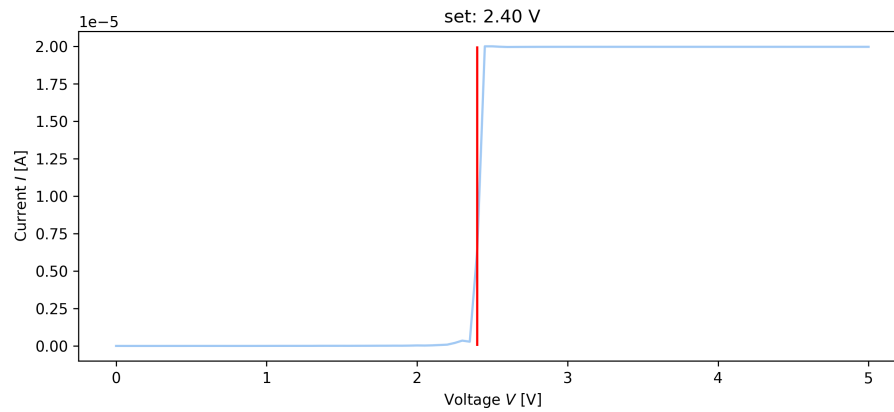- **Resistance:** 1517.13 Ω
- **Linear Fit R2:** 0.999

Did reset

set

_____

- **Time:** 03:18:32PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 2.40 V

Set at 1.30 V
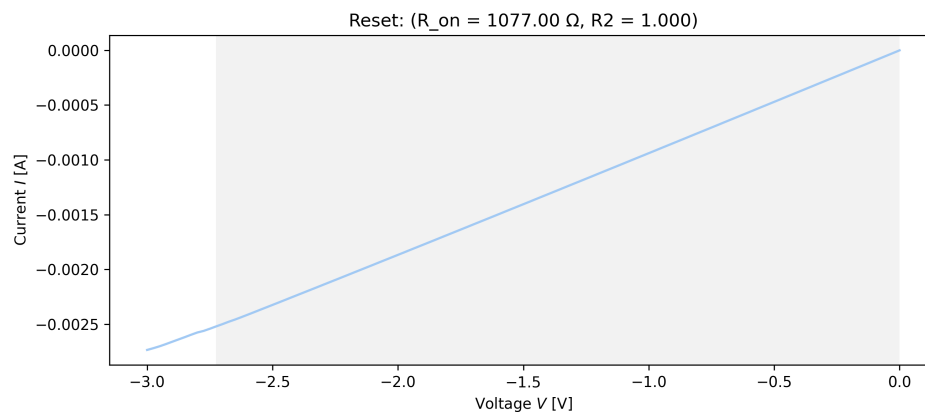
reset

_____

- **Time:** 03:23:25PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.591 V/s*
- **Cycle:** 4
- **Resistance:** 1077.00 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 1077.00 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:24:15PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.591 V/s*
- **Cycle:** 5
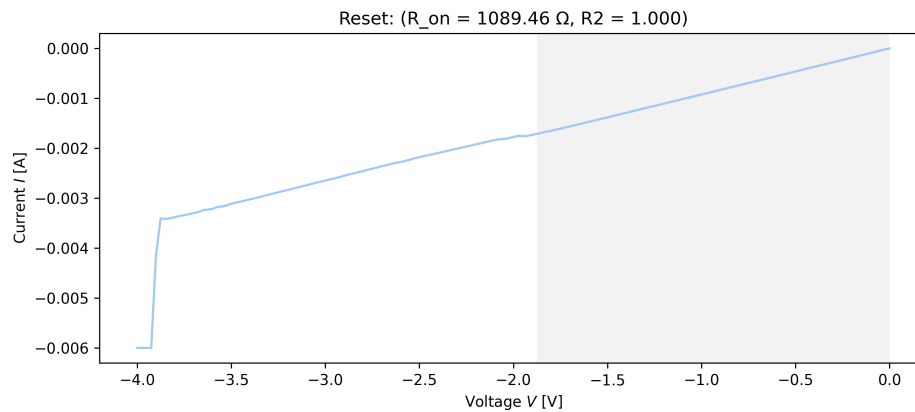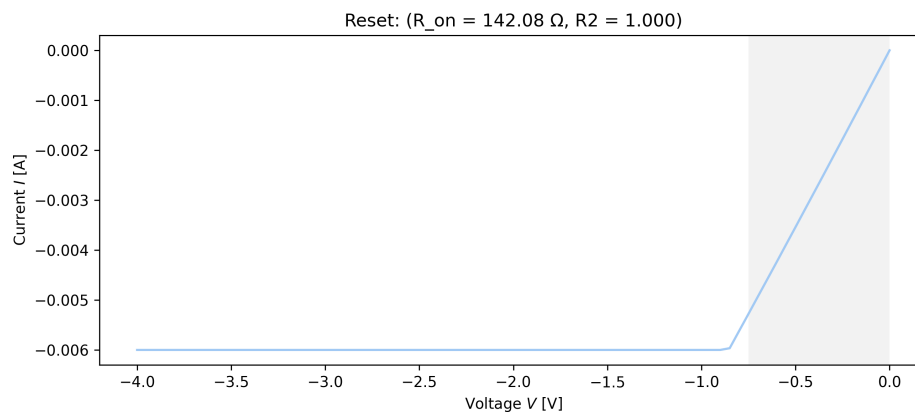- **Resistance:** 1089.46 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 1089.46 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:26:23PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.717 V/s*
- **Cycle:** 6
- **Resistance:** 142.08 Ω
- **Linear Fit R2:** 1.000

RR too high
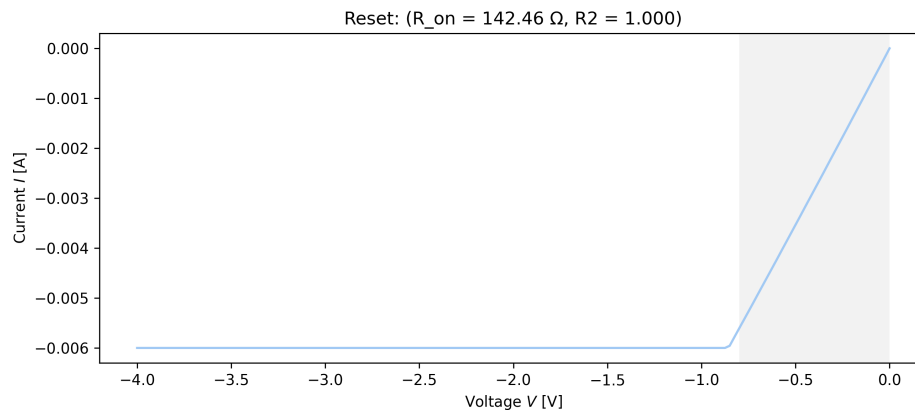

Reset: (R_on = 142.08 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:27:25PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 7
- **Resistance:** 142.46 Ω
- **Linear Fit R2:** 1.000

Did not reset
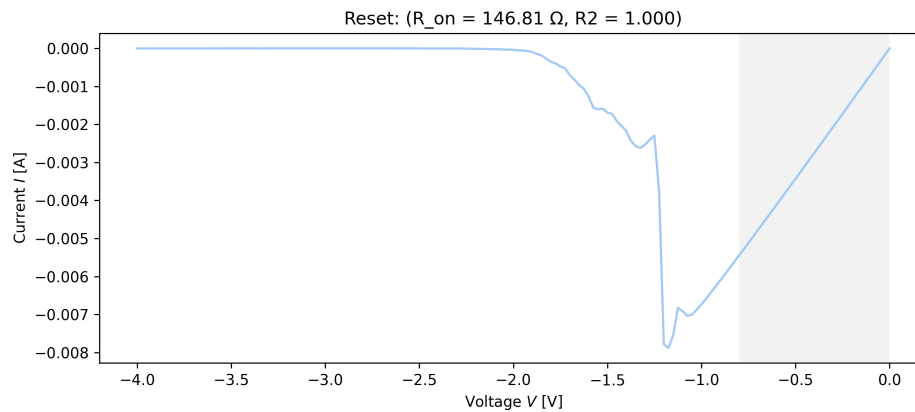

Reset: (R_on = 142.46 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:28:11PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 8
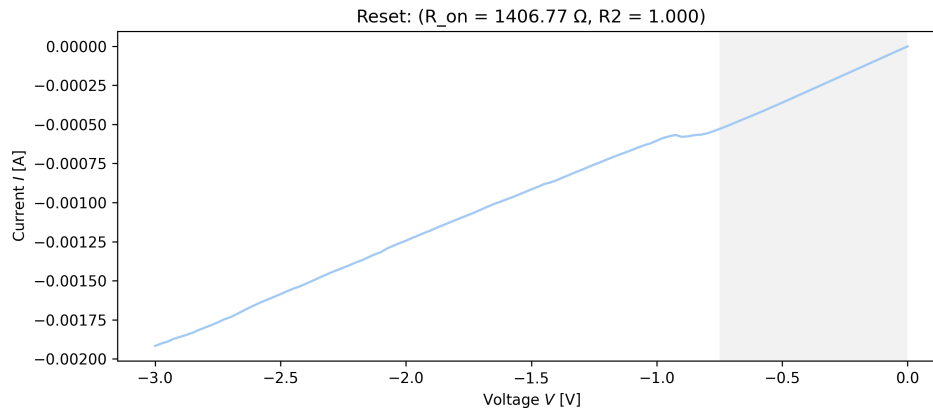- **Resistance:** 146.81 Ω
- **Linear Fit R2:** 1.000

Reset

reset

_____

- **Time:** 03:40:42PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s*
- **Cycle:** 9
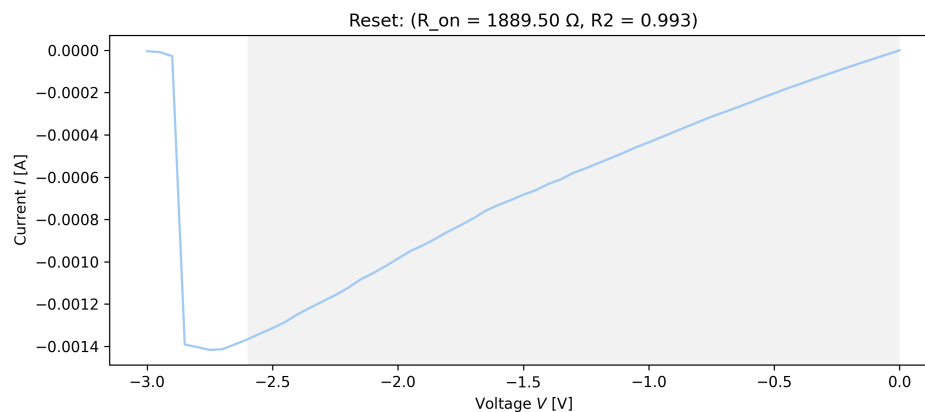- **Resistance:** 1406.77 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 1406.77 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:42:45PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.087 V/s*
- **Cycle:** 10
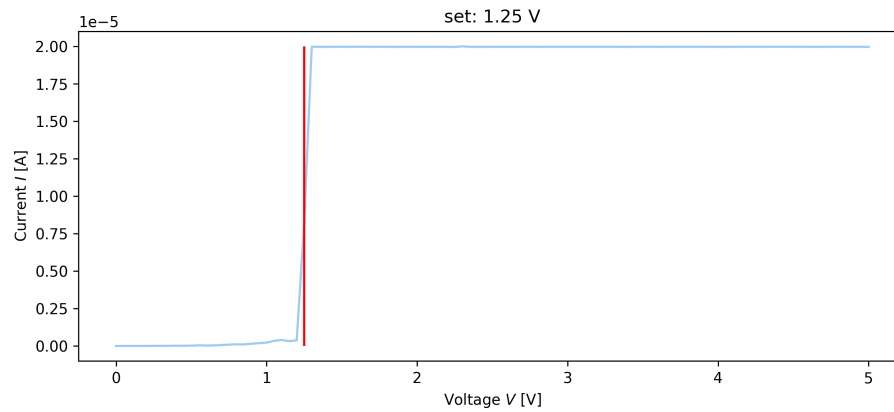- **Resistance:** 1889.50 Ω
- **Linear Fit R2:** 0.993

reset

Reset: (R_on = 1889.50 Ω, R2 = 0.993)

set

_____

- **Time:** 03:44:04PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 11
- **Set Voltage:** 1.25 V

Set at 1.30 V
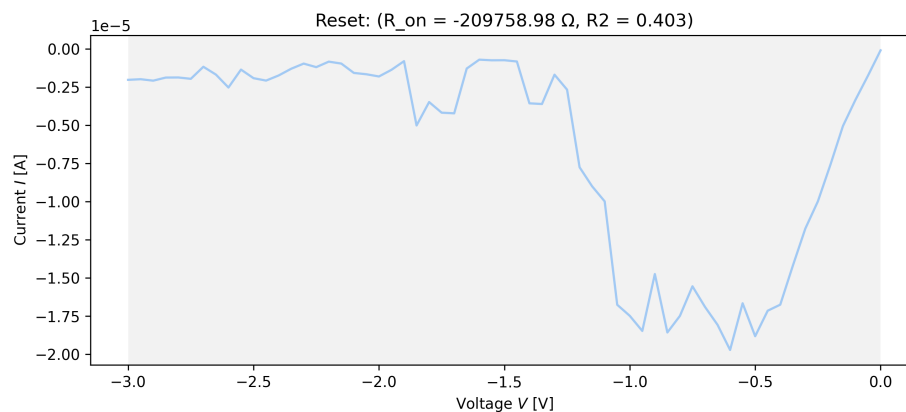
reset

_____

- **Time:** 03:46:03PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -1.068 V/s*
- **Cycle:** 11
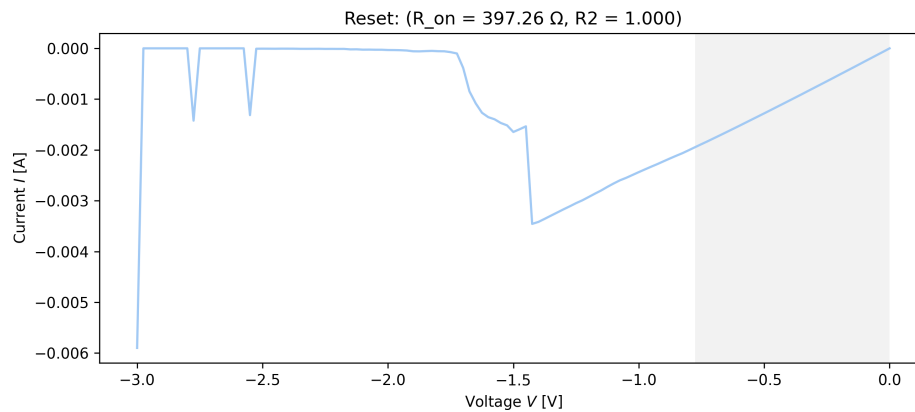- **Resistance:** -209758.98 Ω
- **Linear Fit R2:** 0.403

Did not reset. Amrita is sad

reset

_____

- **Time:** 03:56:52PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.788 V/s*
- **Cycle:** 12
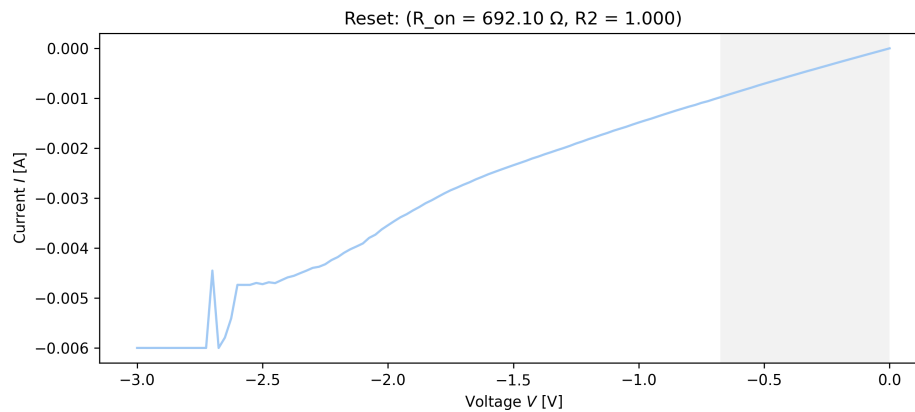- **Resistance:** 397.26 Ω
- **Linear Fit R2:** 1.000

Amrita: I have no idea what that is

Reset: (R_on = 397.26 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:57:57PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.684 V/s*
- **Cycle:** 13
- **Resistance:** 692.10 Ω
- **Linear Fit R2:** 1.000

Did not reset

Reset: (R_on = 692.10 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:58:40PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.713 V/s*
- **Cycle:** 14
- **Resistance:** 605.90 Ω
- **Linear Fit R2:** 1.000

Did not reset.

Reset: (R_on = 605.90 Ω, R2 = 1.000)