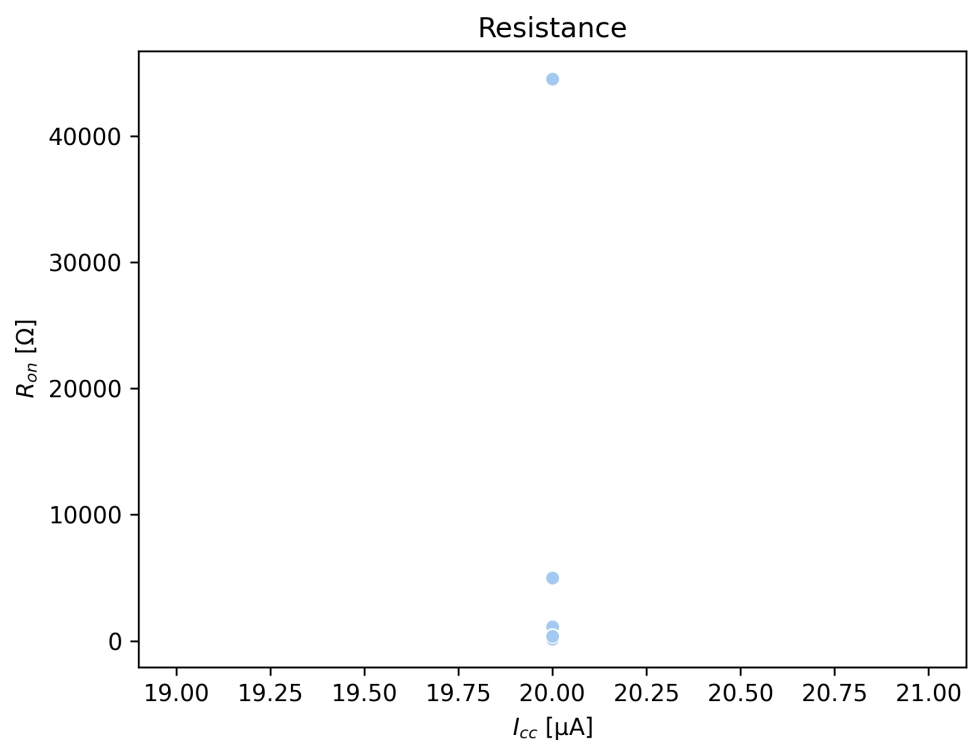# (wafer2,0,1,-1,-1,2,2) Characteristics

_____

- **Cell Size:** 10um
- **Times Accessed:** 22
- **Last Measurement:** 2022/March/17 at 04:12:31PM
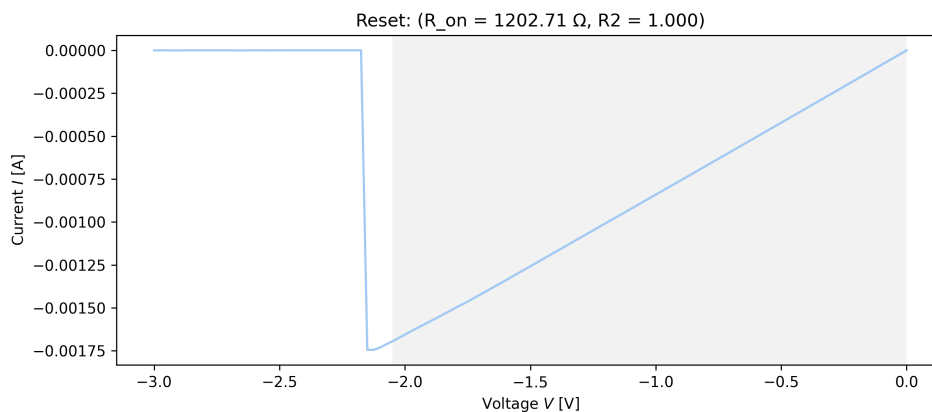
Summary

Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	3.05	1202.71	1.000
2	20.0	3.05	1088.54	1.000
3	20.0	3.05	1131.25	1.000
4	20.0	2.10	7306435.45	0.406
5	20.0	2.30	152.03	1.000
6	20.0	4.45	5023.62	0.999
7	20.0	2.25	44524.06	0.986
8	20.0	3.05	423.38	1.000
9	20.0	3.05	417.05	1.000
10	20.0	3.05	419.77	1.000
11	20.0	3.05	408.77	1.000
12	20.0	3.05	406.25	1.000
13	20.0	3.05	389.07	1.000

Resistance

reset

_____

- **Time:** 03:30:18PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.566 V/s*
- **Cycle:** 1
- **Resistance:** 1202.71 Ω
- **Linear Fit R2:** 1.000

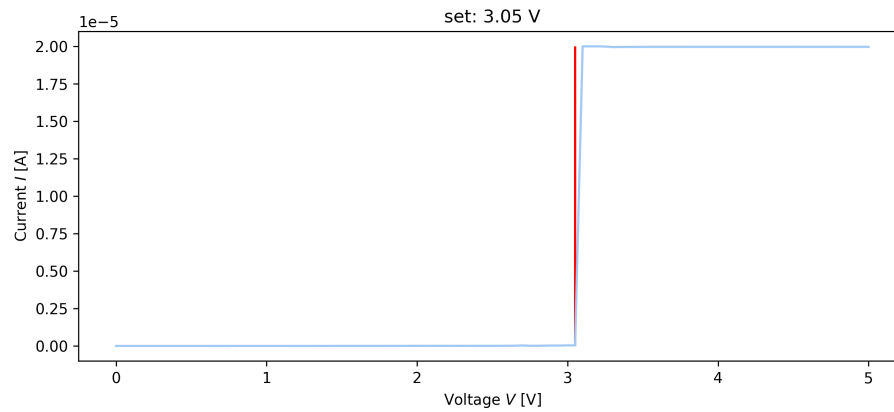Successfully reset

Reset: (R_on = 1202.71 Ω, R2 = 1.000)

set

_____

- **Time:** 03:31:47PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
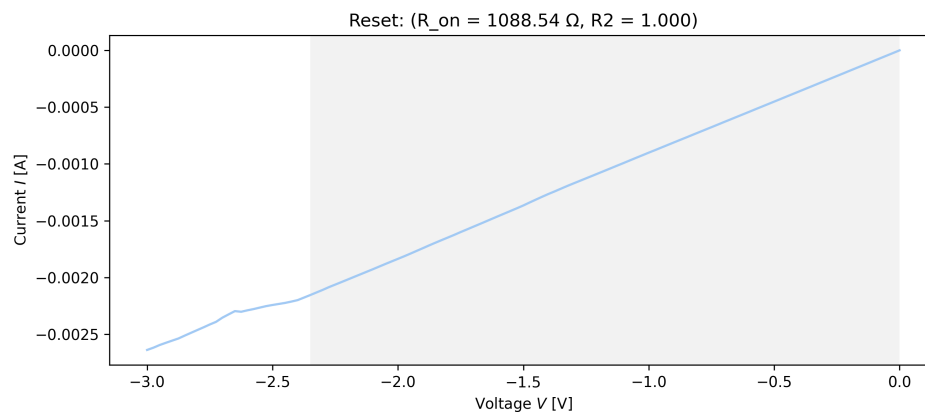- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 3.05 V

Set at 3.1 V

reset

_____

- **Time:** 03:32:23PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.585 V/s*
- **Cycle:** 2
- **Resistance:** 1088.54 Ω
- **Linear Fit R2:** 1.000

Did not reset
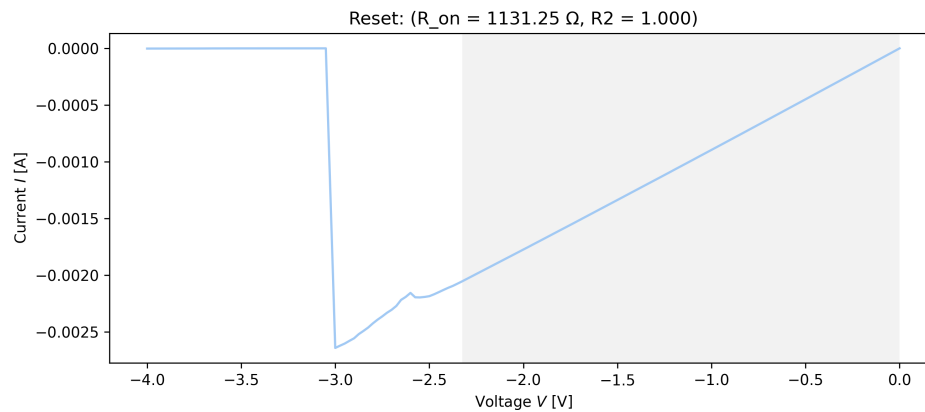

Reset: (R_on = 1088.54 Ω, R2 = 1.000)

reset

_____

- **Time:** 03:32:57PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.585 V/s*
- **Cycle:** 3
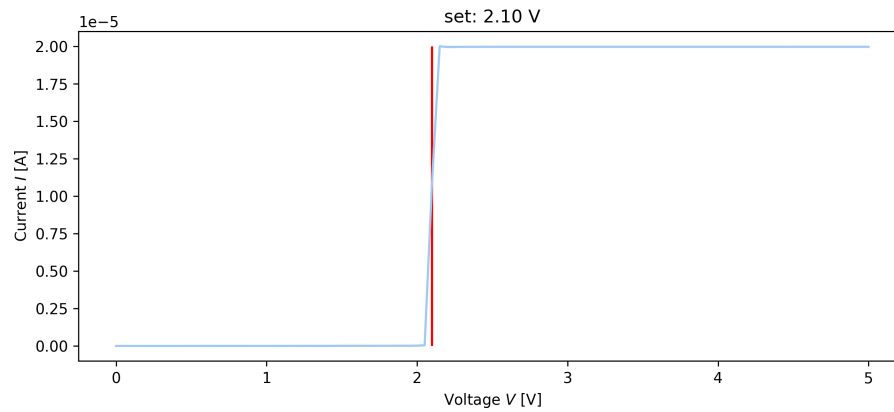- **Resistance:** 1131.25 Ω
- **Linear Fit R2:** 1.000

Reset successfully

Reset: (R_on = 1131.25 Ω, R2 = 1.000)

set

_____

- **Time:** 03:34:02PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 2.10 V

Set at 2.15 V
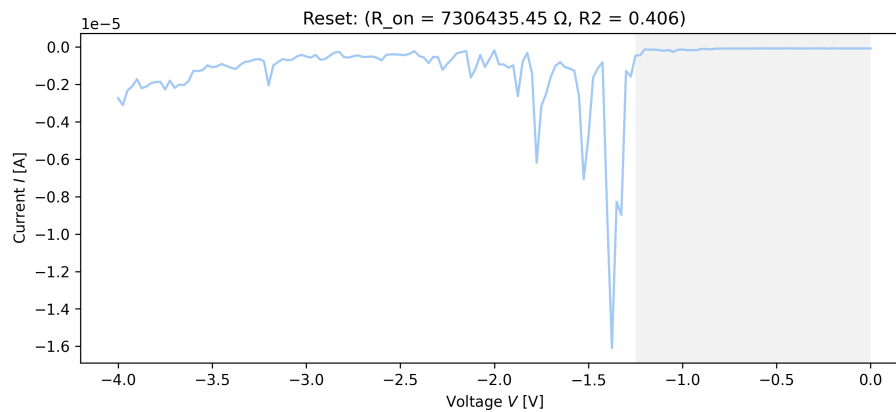
reset

_____

- **Time:** 03:34:55PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.548 V/s*
- **Cycle:** 4
- **Resistance:** 7306435.45 Ω
- **Linear Fit R2:** 0.406

Unknown
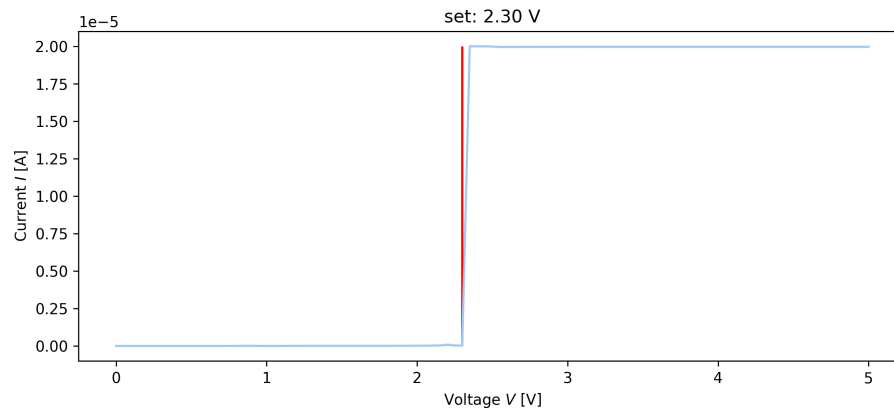

Reset: (R_on = 7306435.45 Ω, R2 = 0.406)

set

_____

- **Time:** 03:35:59PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 2.30 V

Set at 2.35 V
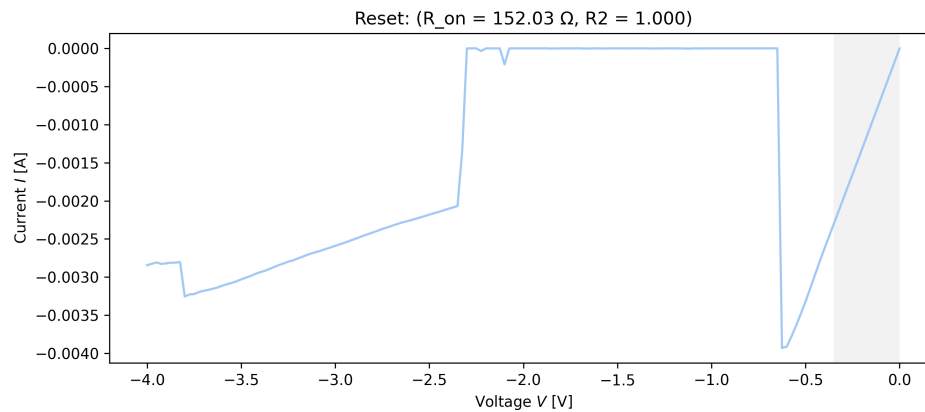
reset

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- **Time:** 03:38:49PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.715 V/s*
- **Cycle:** 5
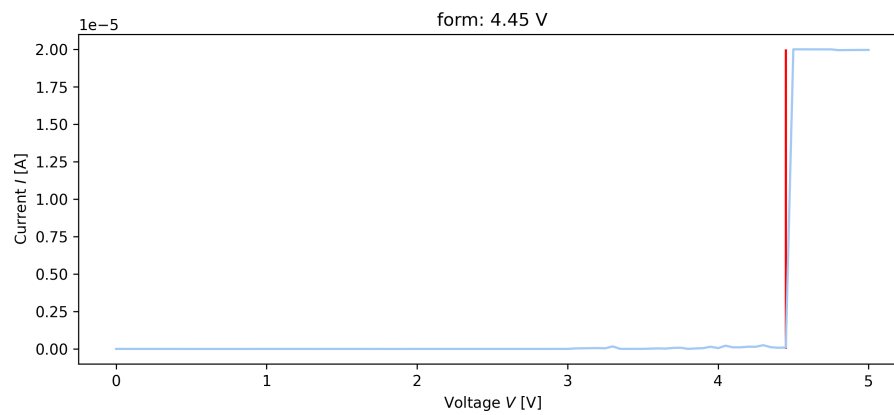- **Resistance:** 152.03 Ω
- **Linear Fit R2:** 1.000

Vacancies and stuff

Reset: (R_on = 152.03 Ω, R2 = 1.000)

form

_____

- **Time:** 04:03:42PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 4.45 V

Formed at 4.5 V
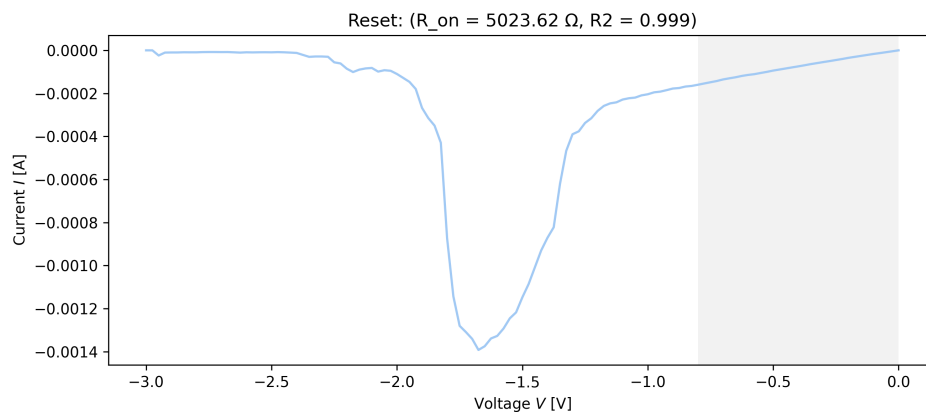

form: 4.45 V

reset

_____

- **Time:** 04:04:22PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V $\rightarrow$ -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.555 V/s*
- **Cycle:** 6
- **Resistance:** 5023.62 Ω
- **Linear Fit R2:** 0.999
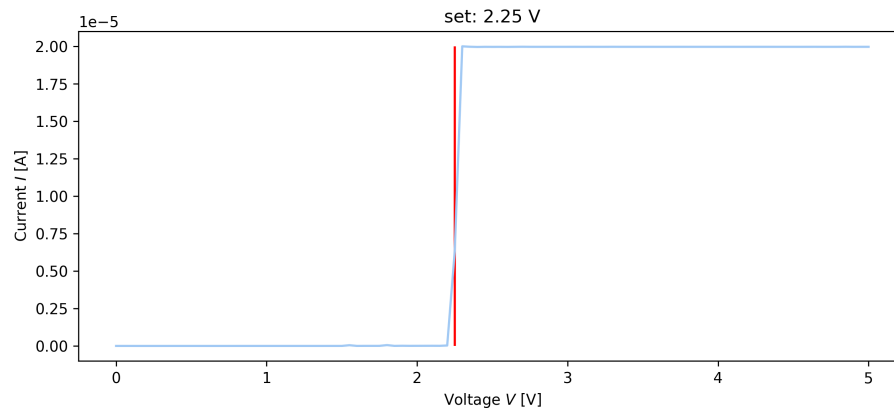
Reset

Reset: (R_on = 5023.62 Ω, R2 = 0.999)

set

_____

- **Time:** 04:05:28PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
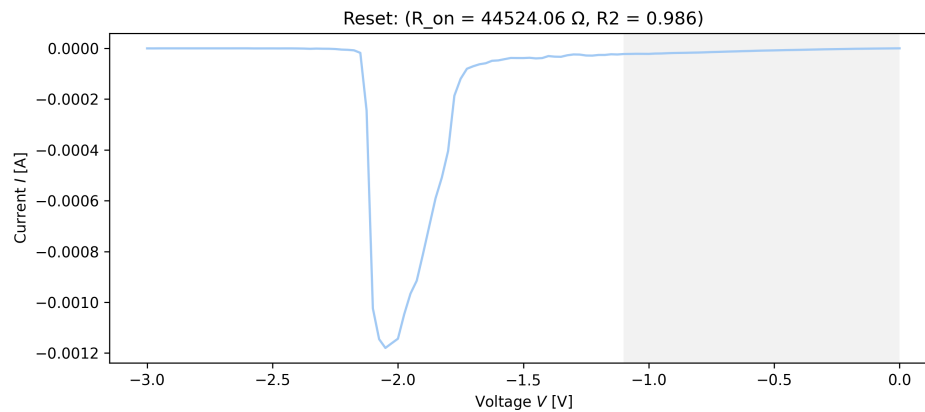- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 7
- **Set Voltage:** 2.25 V

Set at 2.3 V

reset

_____

- **Time:** 04:06:03PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.548 V/s*
- **Cycle:** 7
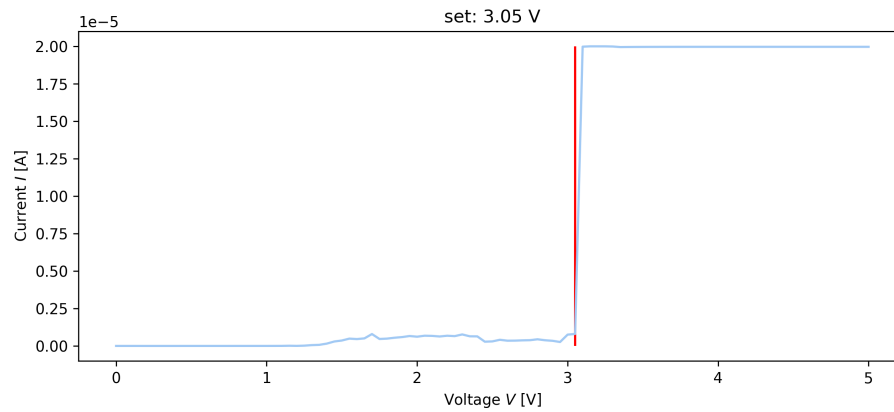- **Resistance:** 44524.06 Ω
- **Linear Fit R2:** 0.986

Reset again

Reset: (R_on = 44524.06 Ω, R2 = 0.986)

set

_____

- **Time:** 04:07:06PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
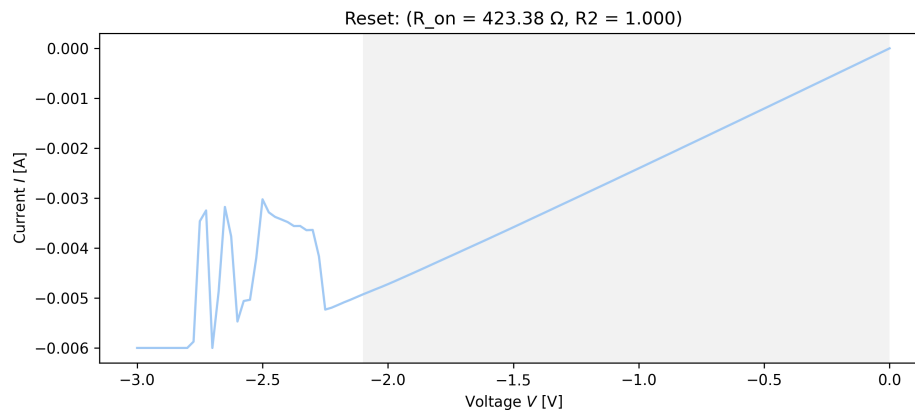- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 8
- **Set Voltage:** 3.05 V

Set at 3.1 V

set: 3.05 V

reset

_____

- **Time:** 04:08:07PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.776 V/s*
- **Cycle:** 8
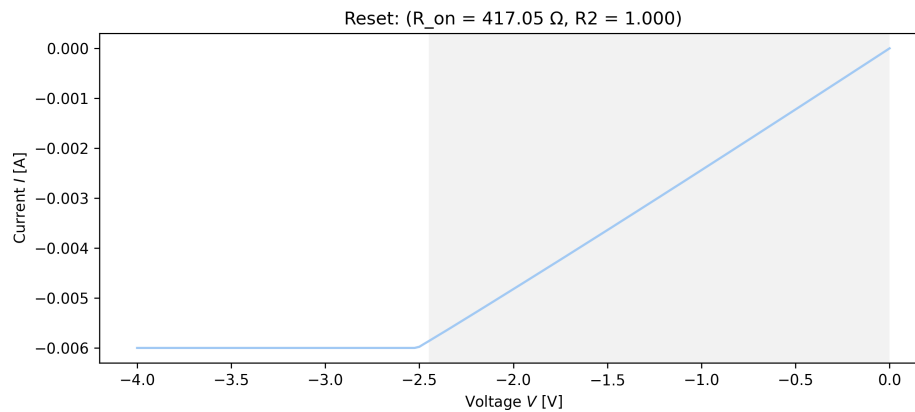- **Resistance:** 423.38 Ω
- **Linear Fit R2:** 1.000

No reset

Reset: (R_on = 423.38 Ω, R2 = 1.000)

reset

_____

- **Time:** 04:08:39PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.776 V/s*
- **Cycle:** 9
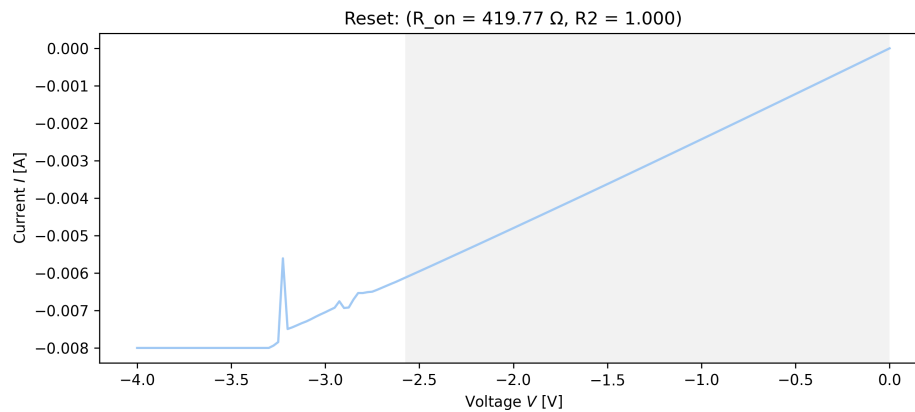- **Resistance:** 417.05 Ω
- **Linear Fit R2:** 1.000

No reset

Reset: (R_on = 417.05 Ω, R2 = 1.000)

reset

_____

- **Time:** 04:09:20PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V $\rightarrow$ -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.776 V/s*
- **Cycle:** 10
- **Resistance:** 419.77 Ω
- **Linear Fit R2:** 1.000

No reset

Reset: (R_on = 419.77 Ω, R2 = 1.000)

reset

- **Time:** 04:10:02PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.788 V/s*
- **Cycle:** 11
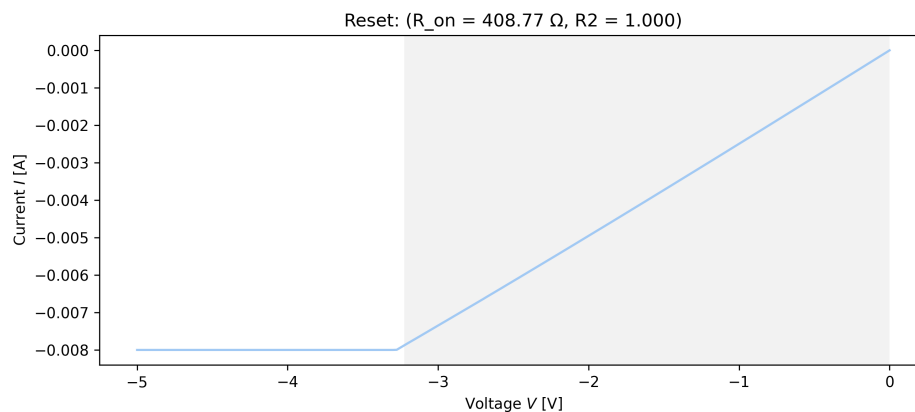- **Resistance:** 408.77 Ω
- **Linear Fit R2:** 1.000

No reset

Reset: (R_on = 408.77 Ω, R2 = 1.000)

reset

_____

- **Time:** 04:10:36PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.788 V/s*
- **Cycle:** 12
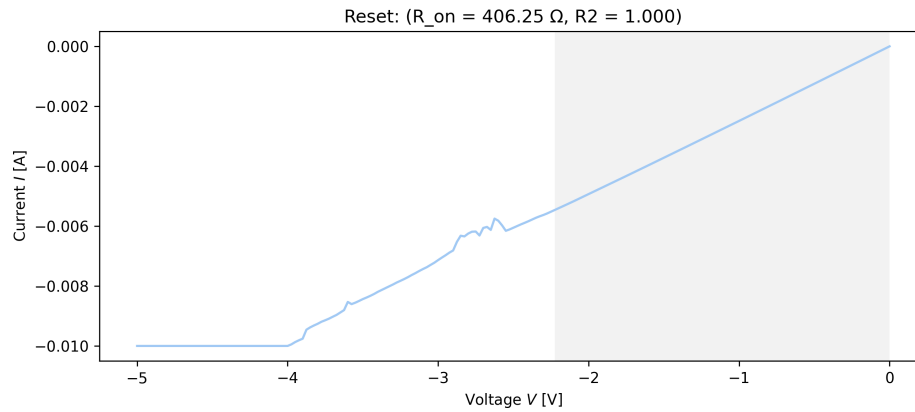- **Resistance:** 406.25 Ω
- **Linear Fit R2:** 1.000

No reset

Reset: (R_on = 406.25 Ω, R2 = 1.000)

reset

_____

- **Time:** 04:12:31PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.788 V/s*
- **Cycle:** 13
- **Resistance:** 389.07 Ω
- **Linear Fit R2:** 1.000

Amrita adjusted the probes. No reset

Reset: (R_on = 389.07 Ω, R2 = 1.000)