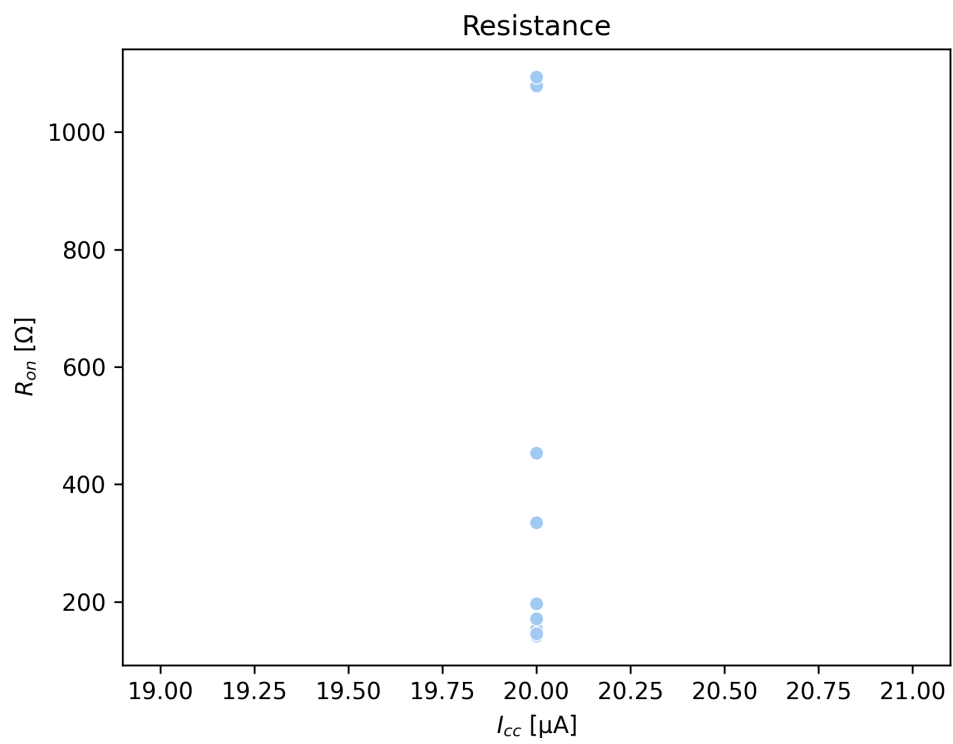


(wafer2,0,7,-1,-1,0,0) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 22
- **Last Measurement:** 2022/March/25 at 04:54:22PM

Summary

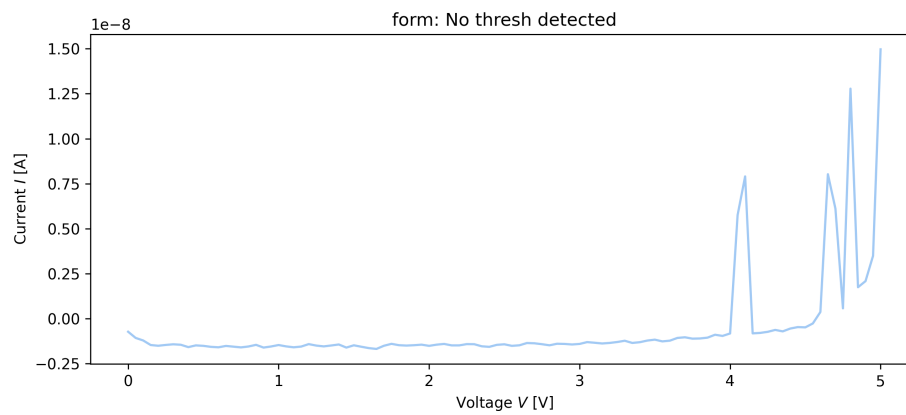
Cycle #	Set Icc (μ A)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	4.00	140.34	1.000
2	20.0	4.00	139.76	1.000
3	20.0	4.00	142.04	1.000
4	20.0	4.00	166.28	1.000
5	20.0	4.50	196.58	1.000
6	20.0	3.55	42818.03	0.941
7	20.0	3.55	154.77	1.000
8	20.0	3.55	151.75	1.000
9	20.0	3.55	153.16	1.000
10	20.0	3.55	145.59	1.000
11	20.0	3.55	170.77	1.000
12	20.0	3.55	335.33	1.000
13	20.0	3.55	1078.94	0.997
14	20.0	3.55	453.65	1.000
15	20.0	3.55	1093.83	0.998



form

- **Time:** 04:29:49PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Error:** Set failed

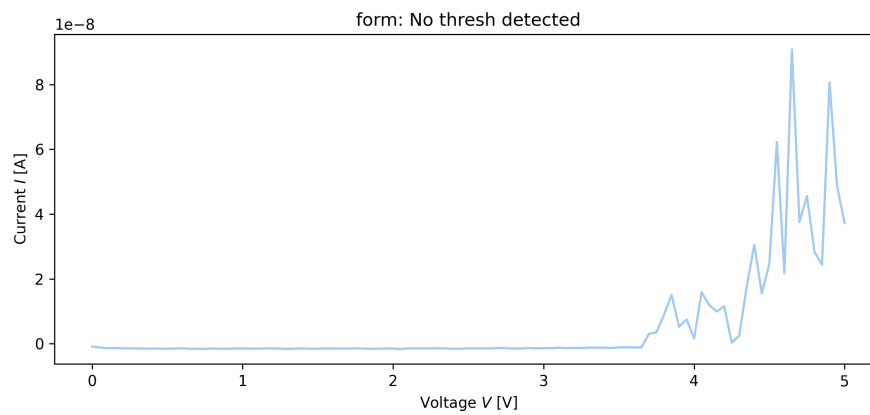
Did not form



form

- **Time:** 04:31:56PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Error:** Set failed

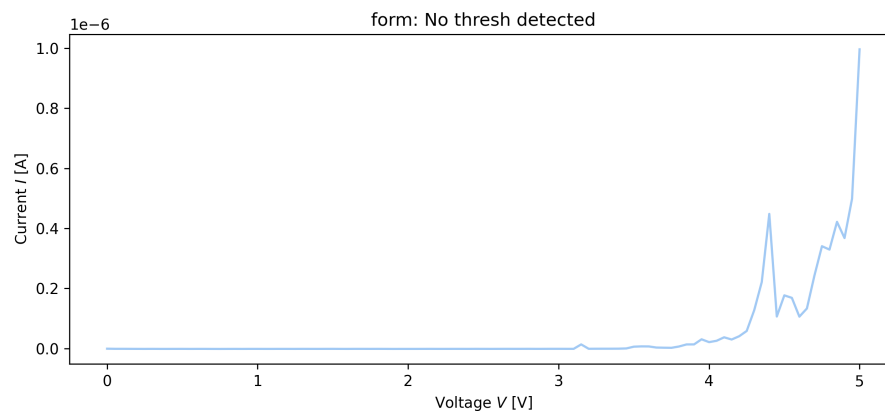
Did not form again



form

- **Time:** 04:32:25PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Error:** Set failed

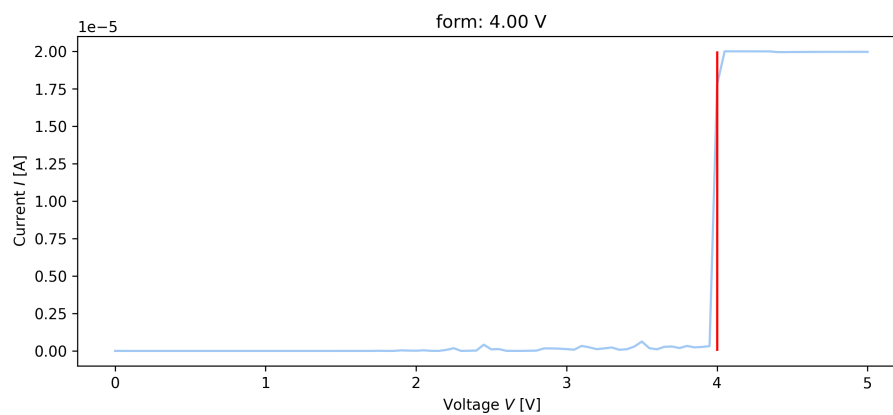
Did not form



form

- **Time:** 04:34:45PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 4.00 V

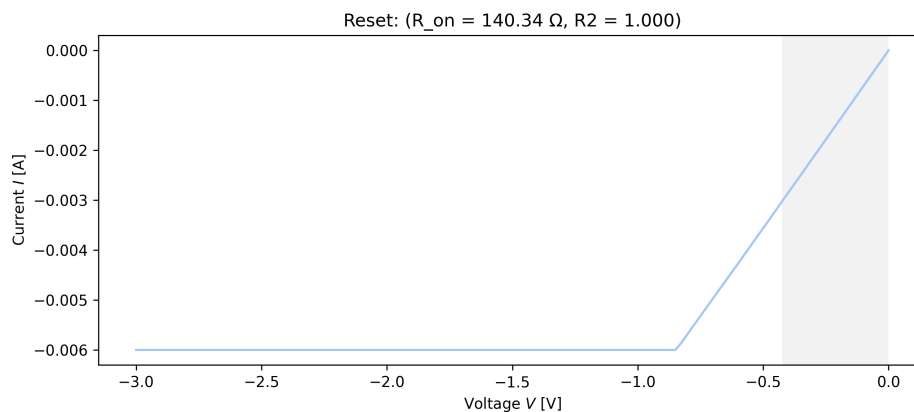
Formed at 4.05V



reset

- **Time:** 04:36:57PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V \rightarrow -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.896 V/s*
- **Cycle:** 1
- **Resistance:** 140.34 Ω
- **Linear Fit R2:** 1.000

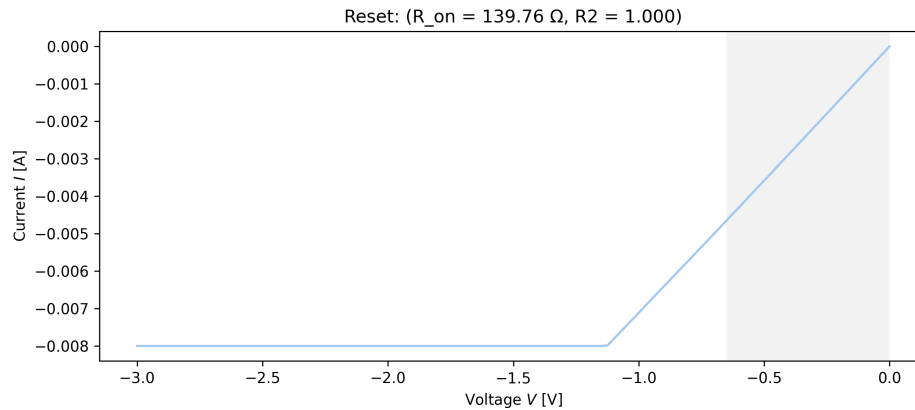
Did not reset



reset

- **Time:** 04:37:43PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 2
- **Resistance:** 139.76 Ω
- **Linear Fit R²:** 1.000

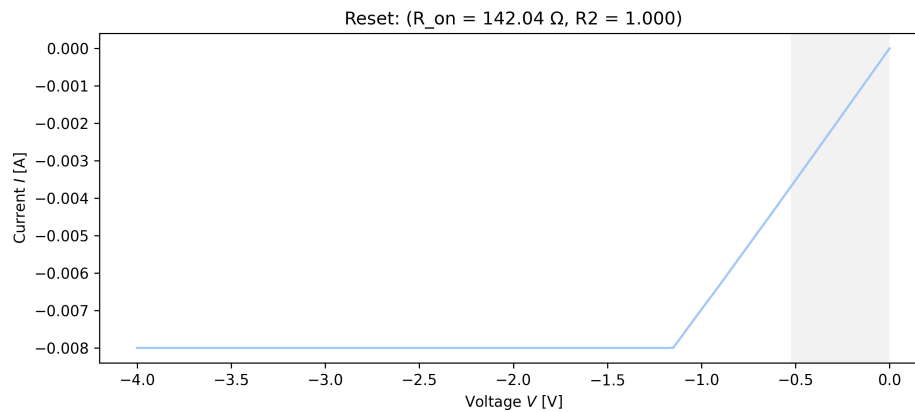
Did not reset



reset

- **Time:** 04:38:20PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 3
- **Resistance:** 142.04 Ω
- **Linear Fit R²:** 1.000

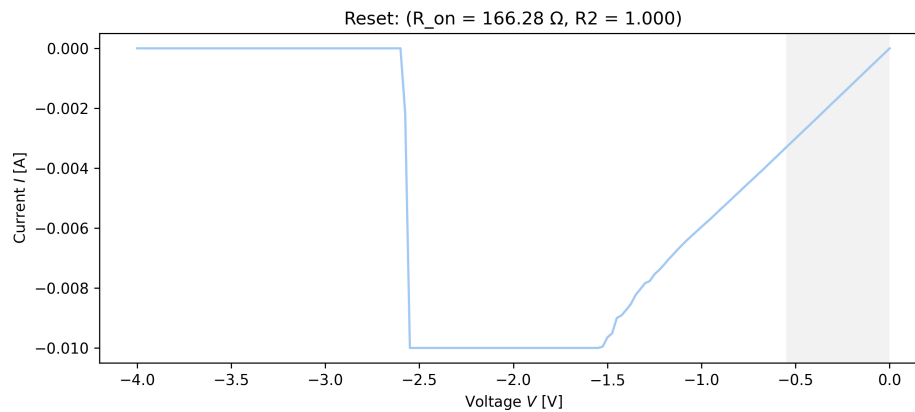
Did not reset



reset

- **Time:** 04:39:09PM
- **I_{cc}:** 10.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.881 V/s*
- **Cycle:** 4
- **Resistance:** 166.28 Ω
- **Linear Fit R²:** 1.000

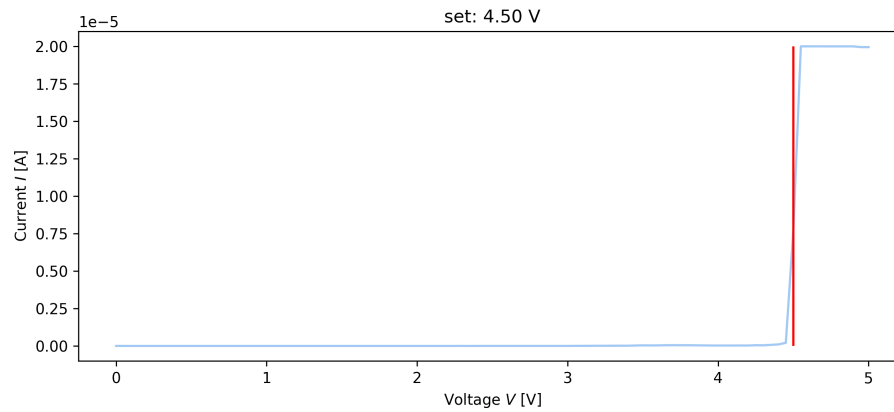
Reset



set

- **Time:** 04:40:13PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 4.50 V

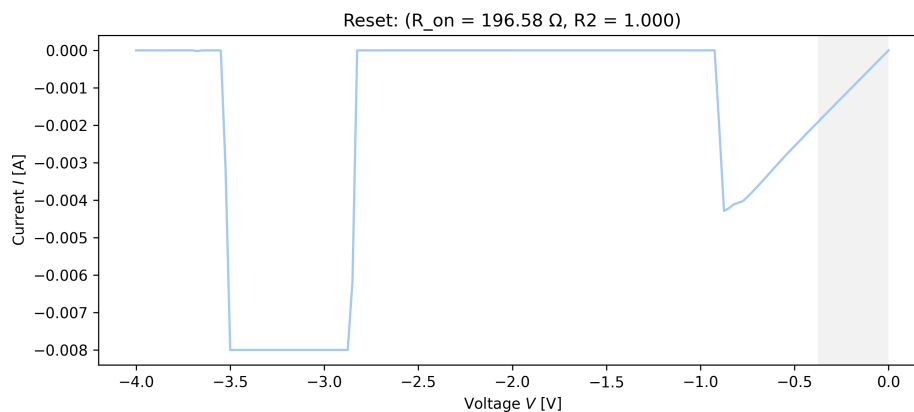
Set at a higher voltage, 4.55V



reset

- **Time:** 04:41:36PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.824 V/s*
- **Cycle:** 5
- **Resistance:** 196.58 Ω
- **Linear Fit R²:** 1.000

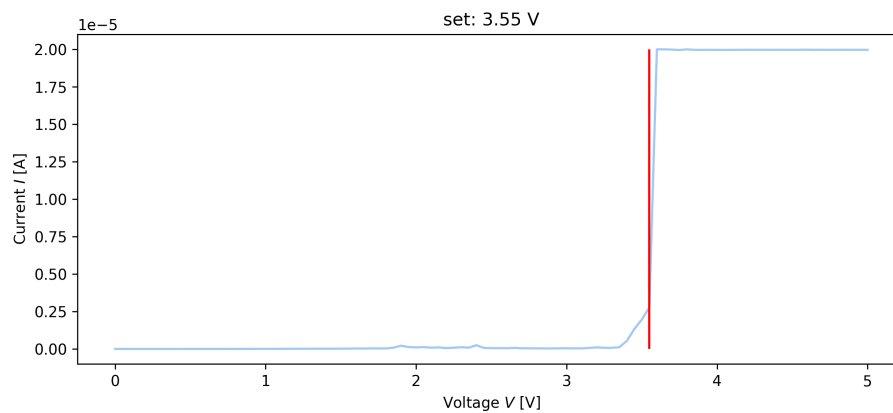
Reset



set

- **Time:** 04:44:22PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 3.55 V

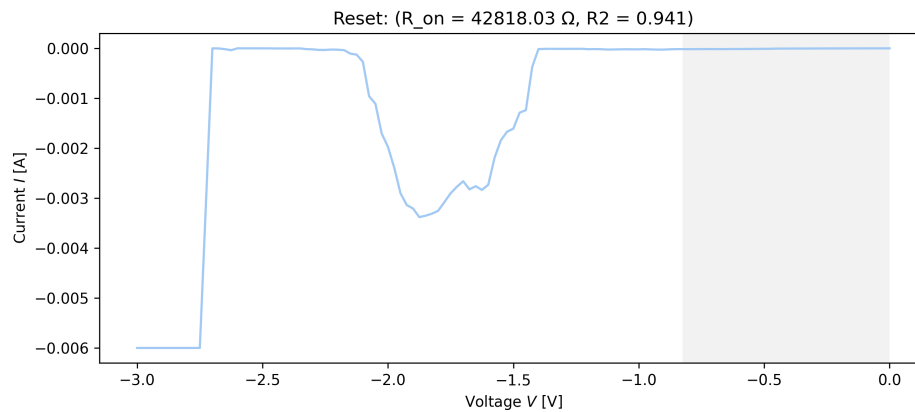
Set at a lower voltage, 3.6V



reset

- **Time:** 04:47:14PM
- **I_{cc}:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.548 V/s*
- **Cycle:** 6
- **Resistance:** 42818.03 Ω
- **Linear Fit R²:** 0.941

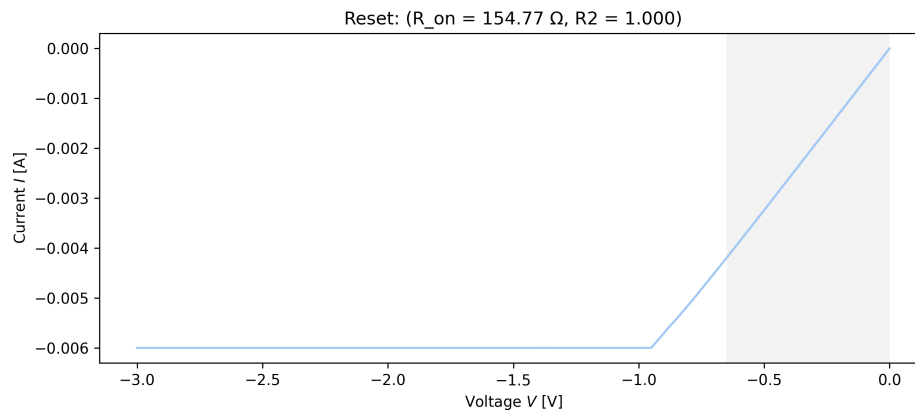
Did not reset, no R-on slope



reset

- **Time:** 04:48:23PM
- **I_{cc}:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.896 V/s*
- **Cycle:** 7
- **Resistance:** 154.77 Ω
- **Linear Fit R2:** 1.000

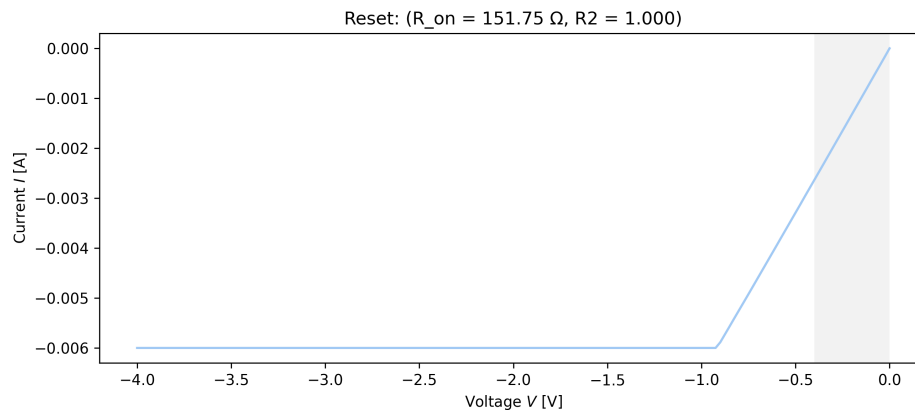
Did not reset but had a slope



reset

- **Time:** 04:49:09PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 8
- **Resistance:** 151.75 Ω
- **Linear Fit R2:** 1.000

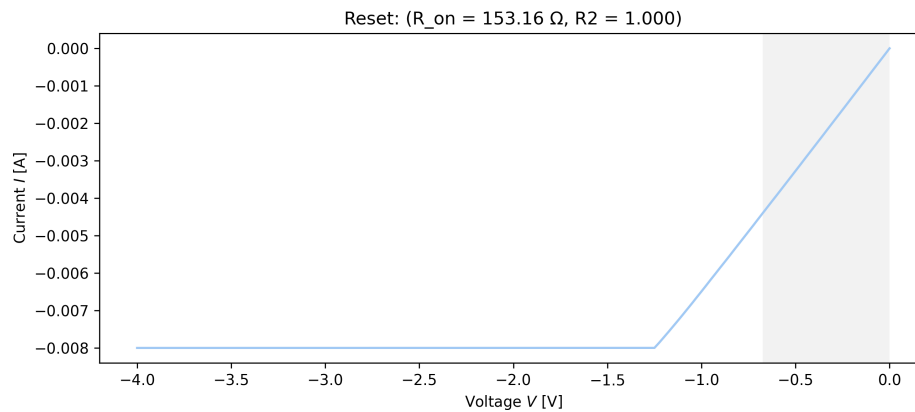
Did not reset again



reset

- **Time:** 04:49:39PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.897 V/s*
- **Cycle:** 9
- **Resistance:** 153.16 Ω
- **Linear Fit R²:** 1.000

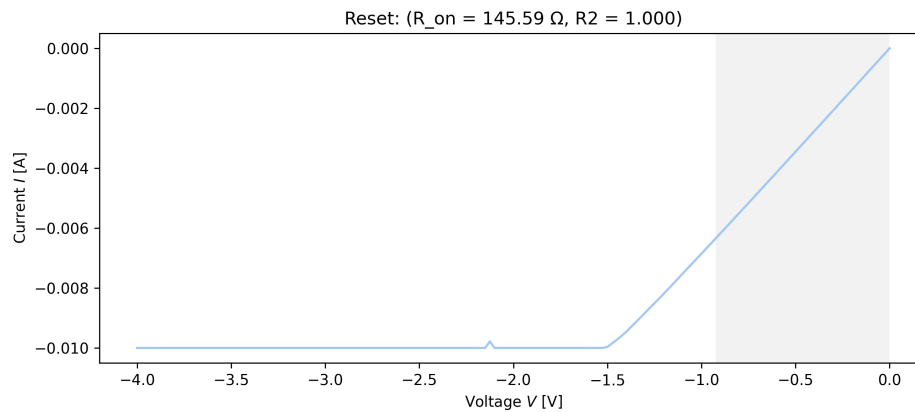
Oh my God - Amrita



reset

- **Time:** 04:50:35PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.896 V/s*
- **Cycle:** 10
- **Resistance:** 145.59 Ω
- **Linear Fit R2:** 1.000

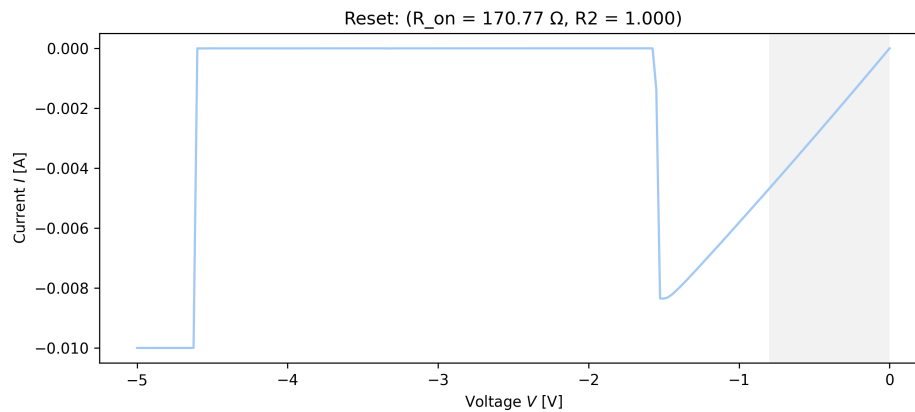
Oh my God - Nick



reset

- **Time:** 04:51:26PM
- **I_{cc}:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.882 V/s*
- **Cycle:** 11
- **Resistance:** 170.77 Ω
- **Linear Fit R2:** 1.000

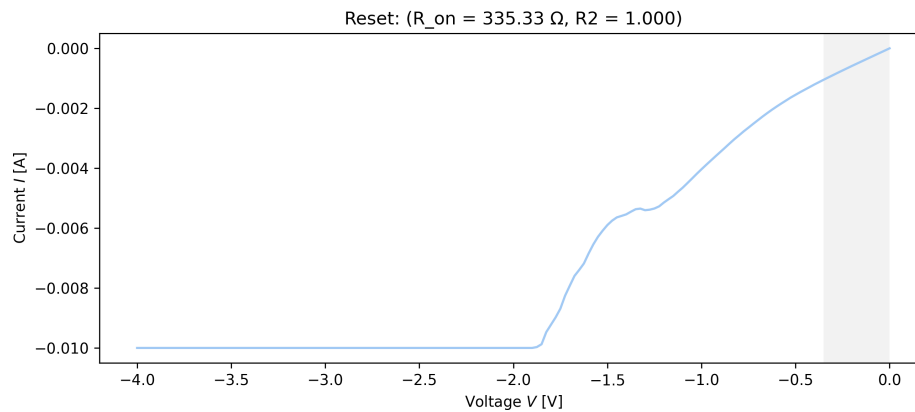
Reset really quickly, then set again?



reset

- **Time:** 04:52:16PM
- **I_{cc}:** 10.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.812 V/s*
- **Cycle:** 12
- **Resistance:** 335.33 Ω
- **Linear Fit R2:** 1.000

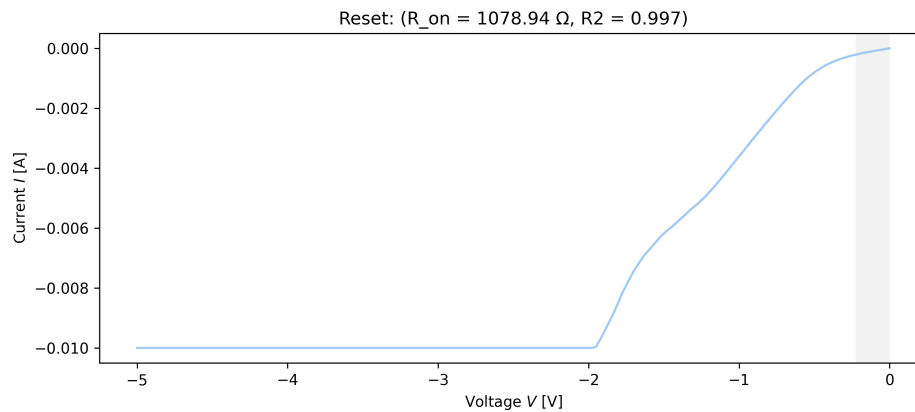
Did not reset, non constant slope



reset

- **Time:** 04:52:38PM
- **I_{cc}:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.712 V/s*
- **Cycle:** 13
- **Resistance:** 1078.94 Ω
- **Linear Fit R²:** 0.997

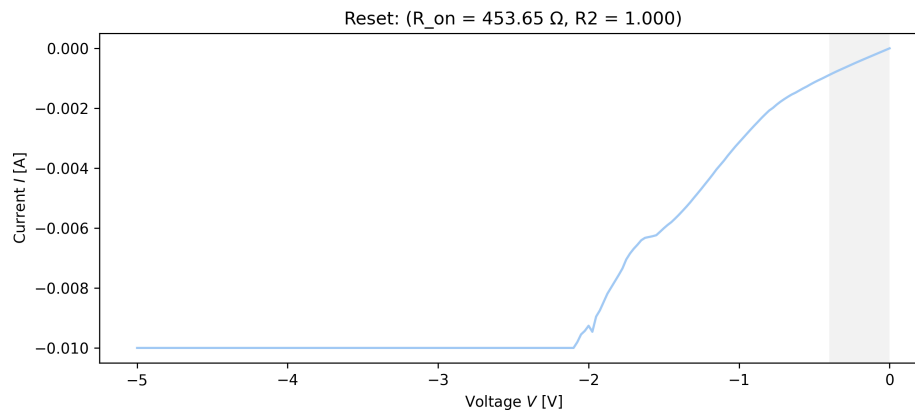
Did not reset again, non constant slope



reset

- **Time:** 04:53:17PM
- **I_{cc}:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.765 V/s*
- **Cycle:** 14
- **Resistance:** 453.65 Ω
- **Linear Fit R²:** 1.000

No reset, still has weird slope



reset

- **Time:** 04:54:22PM
- **I_{cc}:** 11.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.553 V/s*
- **Cycle:** 15
- **Resistance:** 1093.83 Ω
- **Linear Fit R²:** 0.998

No reset, the weird slope is consistent though

