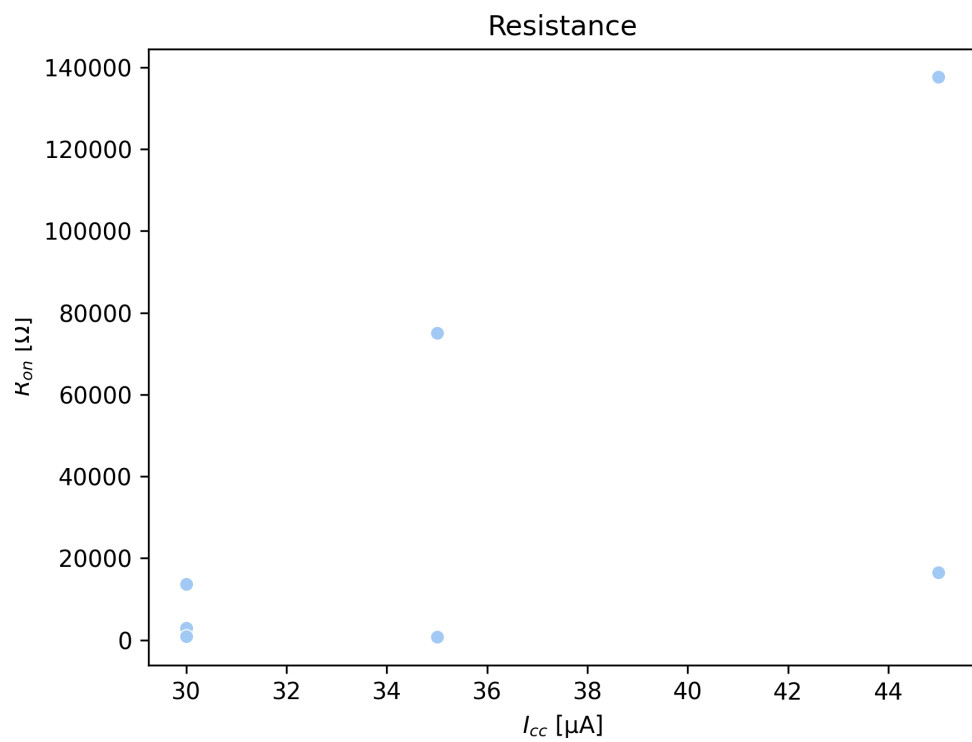


(wafer2,0,6,-1,-1,0,3) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 32
- **Last Measurement:** 2022/April/01 at 12:48:55PM

Summary

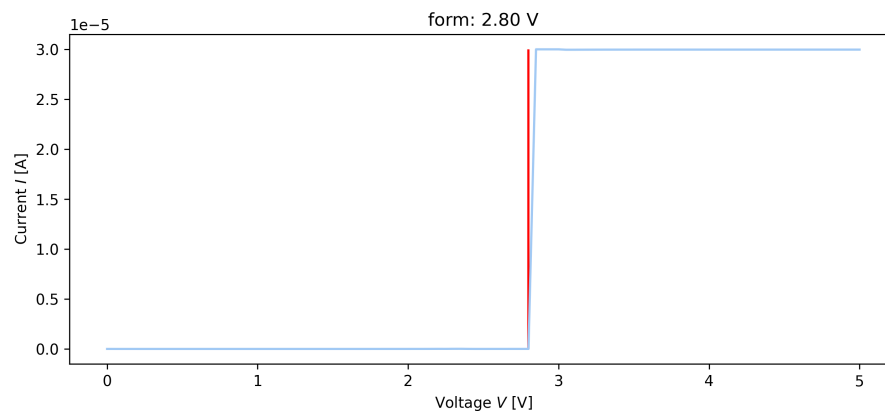
Cycle #	Set Icc (μ A)	Set Voltage (V)	R_on (Ω)	R2
1	30.0	2.80	155001.35	0.952
2	30.0	4.95	2917.90	1.000
3	30.0	2.95	960.67	1.000
4	30.0	3.80	18029.63	0.970
5	30.0	1.05	63652.05	0.956
6	30.0	1.05	13698.14	0.998
7	35.0	3.60	69800.52	0.867
8	35.0	3.45	750.45	1.000
9	35.0	3.45	-9714646.93	0.015
10	35.0	3.45	75085.44	0.990
11	35.0	3.45	1110334.89	0.754
12	45.0	0.90	6537426.51	0.684
13	45.0	0.90	5821482.49	0.646
14	45.0	0.90	16510.44	0.983
15	45.0	0.90	137625.64	0.993



form

- **Time:** 12:04:38PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.068 V/s*
- **Cycle:** 1
- **Set Voltage:** 2.80 V

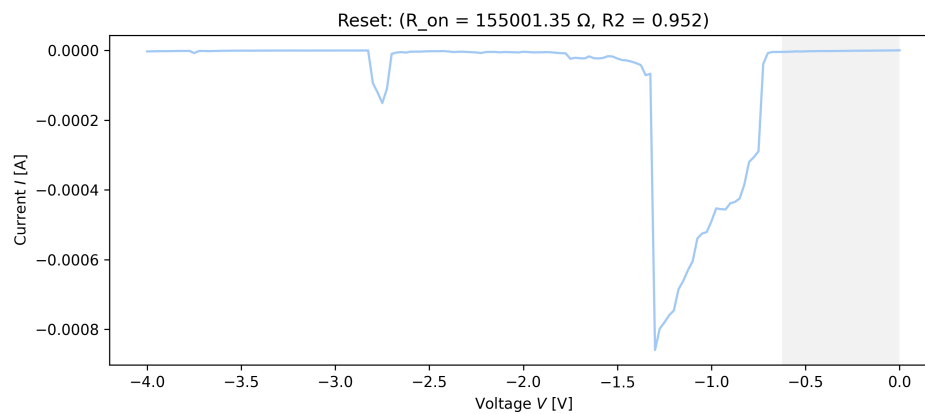
formed at 2.85V, not actual forming due to low voltage



reset

- **Time:** 12:05:15PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.551 V/s*
- **Cycle:** 1
- **Resistance:** 155001.35 Ω
- **Linear Fit R²:** 0.952

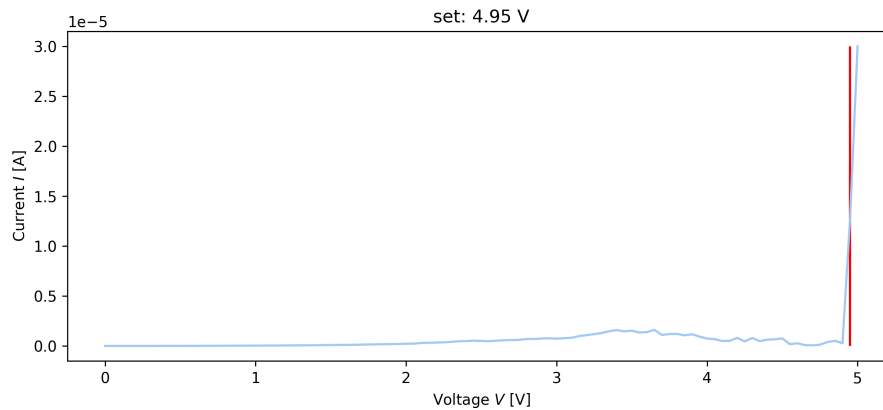
Reset but looks odd



set

- **Time:** 12:05:43PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 2
- **Set Voltage:** 4.95 V

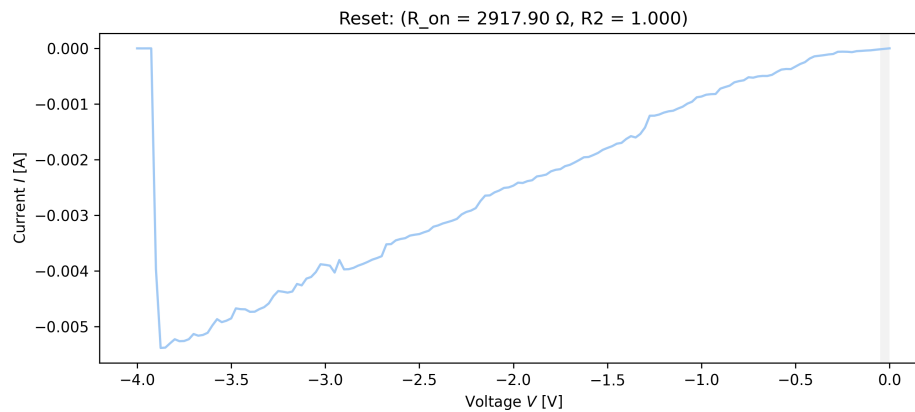
Set at 5V, behaved more like a form



reset

- **Time:** 12:06:16PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.569 V/s*
- **Cycle:** 2
- **Resistance:** 2917.90 Ω
- **Linear Fit R²:** 1.000

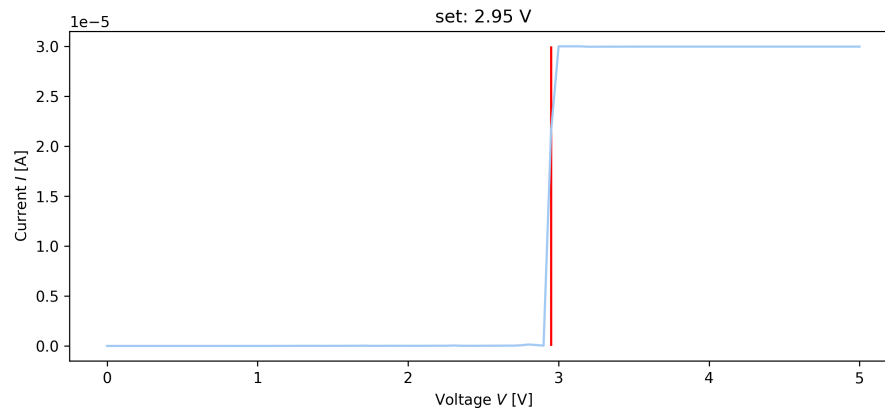
Did Reset, better slope



set

- **Time:** 12:06:38PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 3
- **Set Voltage:** 2.95 V

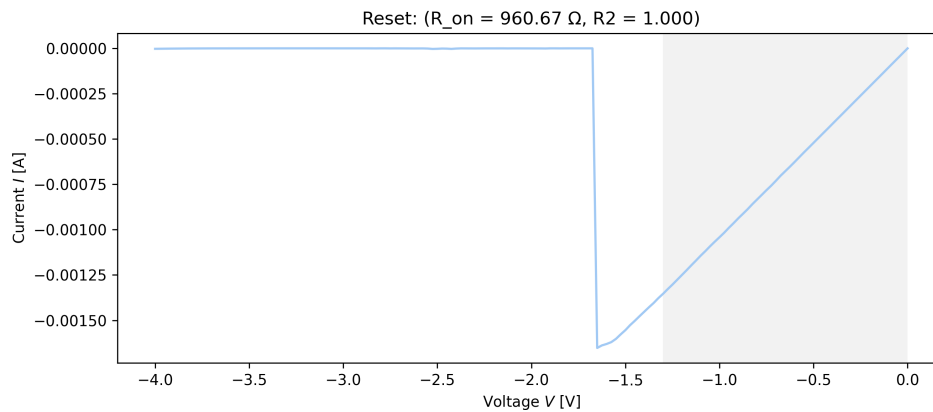
Set at 3V



reset

- **Time:** 12:07:10PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.619 V/s*
- **Cycle:** 3
- **Resistance:** 960.67 Ω
- **Linear Fit R²:** 1.000

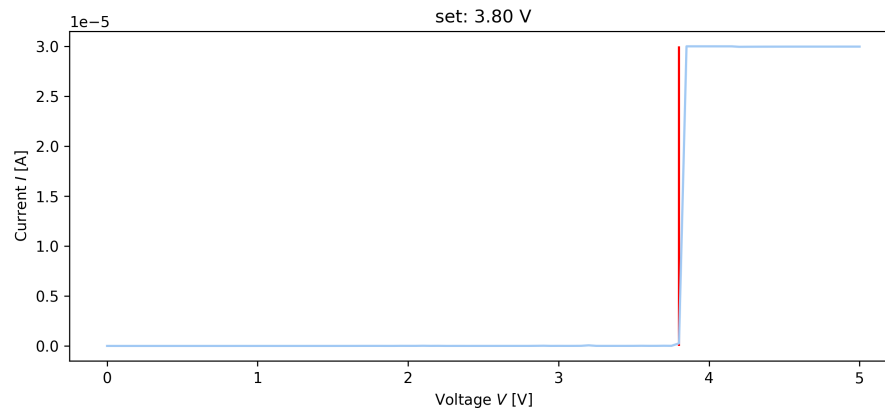
Good reset



set

- **Time:** 12:07:57PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 3.80 V

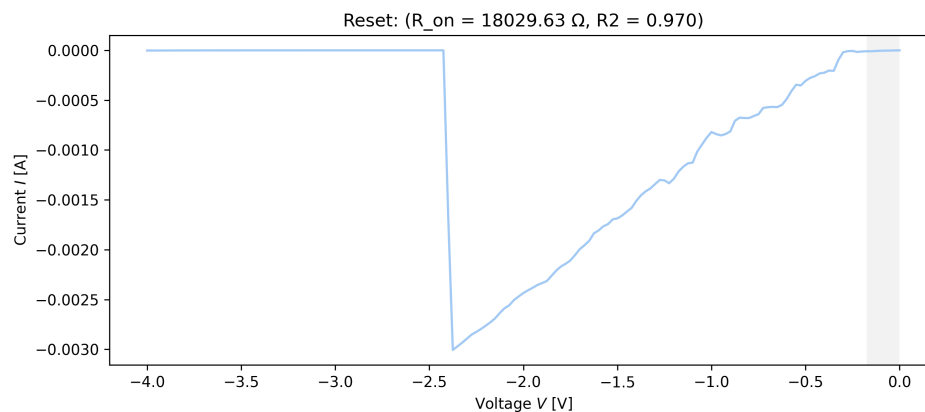
Set at 3.85V



reset

- **Time:** 12:12:08PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.575 V/s*
- **Cycle:** 4
- **Resistance:** 18029.63 Ω
- **Linear Fit R²:** 0.970

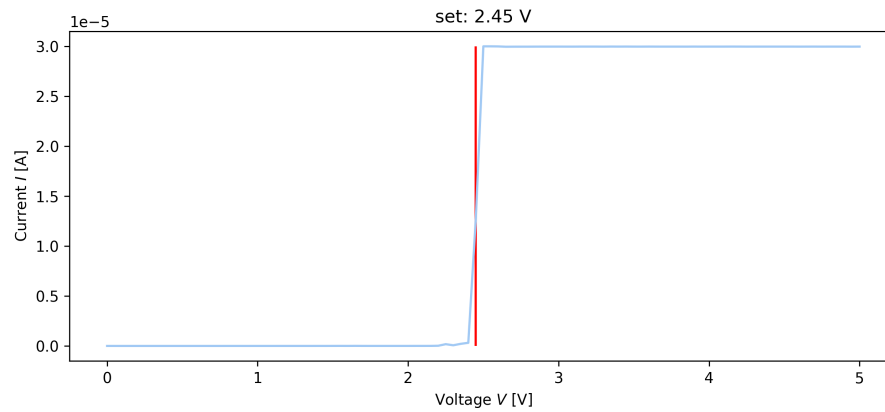
Reset



set

- **Time:** 12:12:27PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 2.45 V

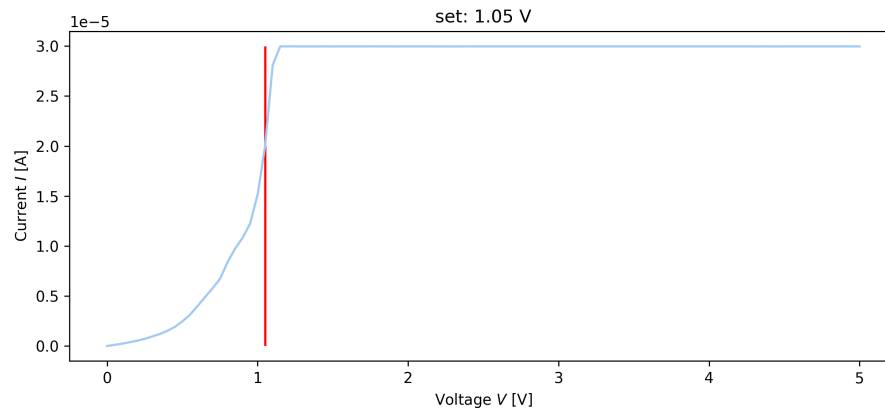
Set at 2.5V



set

- **Time:** 12:14:43PM
- **I_{cc}:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.161 V/s*
- **Cycle:** 5
- **Set Voltage:** 1.05 V

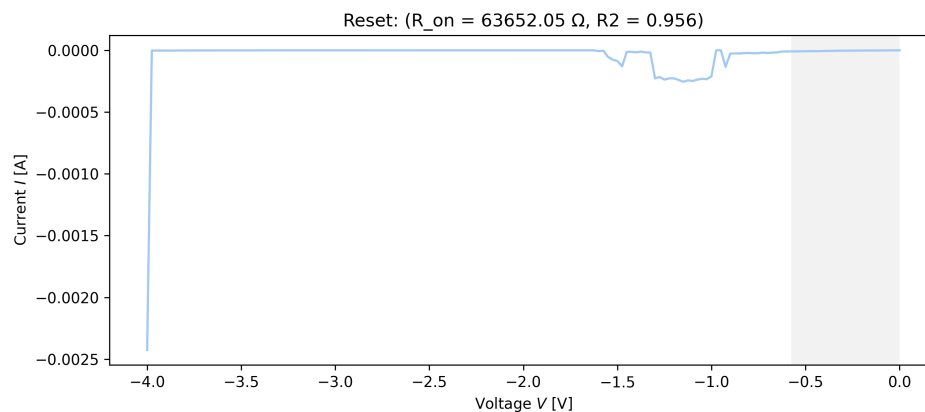
And it gave us this graph...



reset

- **Time:** 12:15:23PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.549 V/s*
- **Cycle:** 5
- **Resistance:** 63652.05 Ω
- **Linear Fit R2:** 0.956

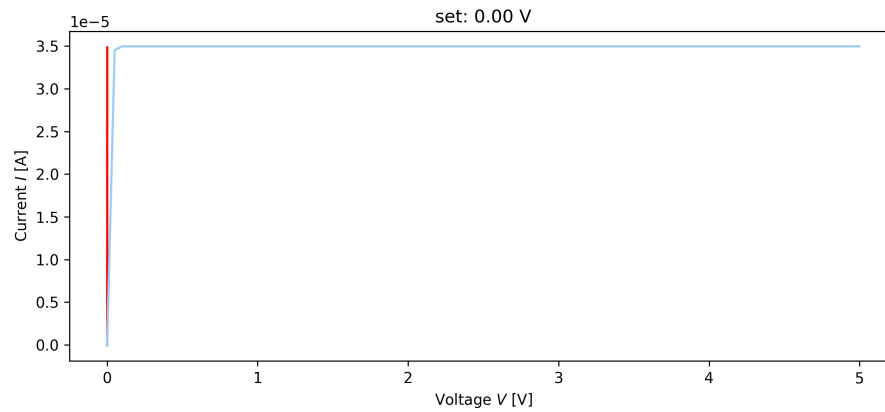
Reset



set

- **Time:** 12:15:52PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.839 V/s*
- **Cycle:** 6
- **Error:** Set failed

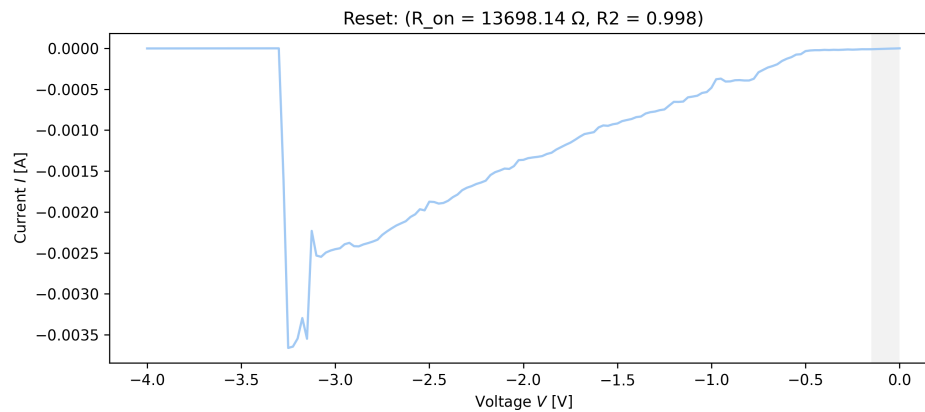
Immediately Set



reset

- **Time:** 12:16:19PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.554 V/s*
- **Cycle:** 6
- **Resistance:** 13698.14 Ω
- **Linear Fit R²:** 0.998

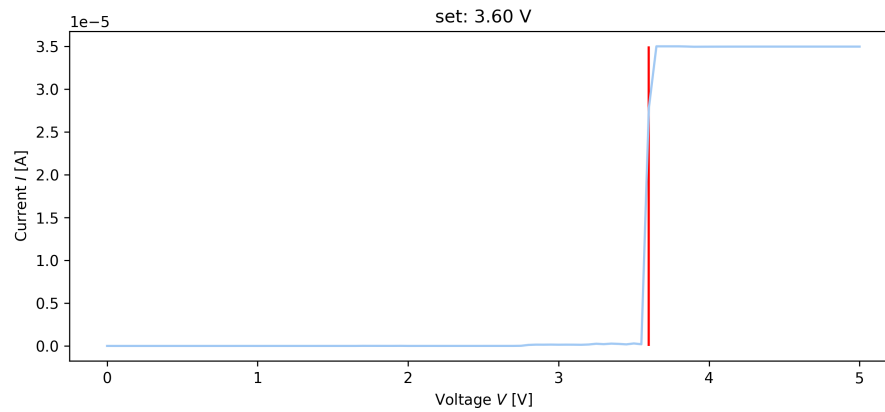
Did reset but was weird



set

- **Time:** 12:16:36PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 7
- **Set Voltage:** 3.60 V

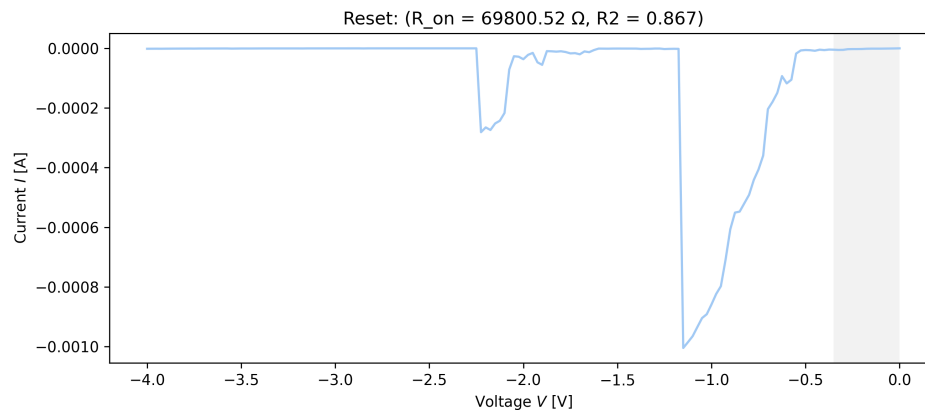
Set at 3.65V



reset

- **Time:** 12:17:11PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s*
- **Cycle:** 7
- **Resistance:** 69800.52 Ω
- **Linear Fit R2:** 0.867

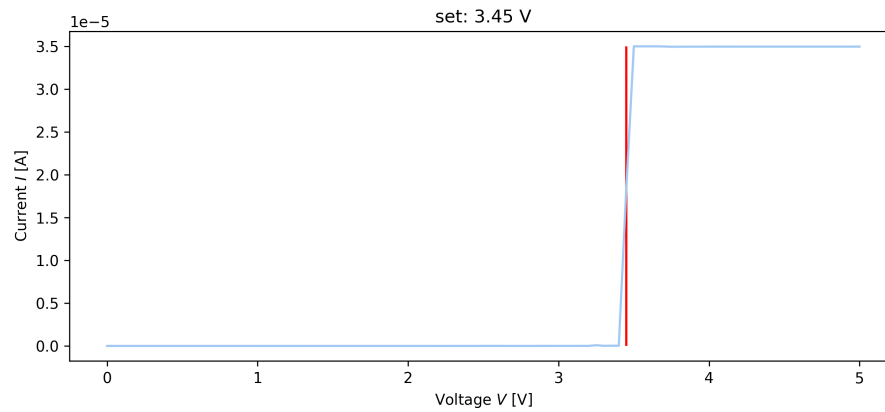
Reset in the weirdest way possible



set

- **Time:** 12:17:43PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.068 V/s*
- **Cycle:** 8
- **Set Voltage:** 3.45 V

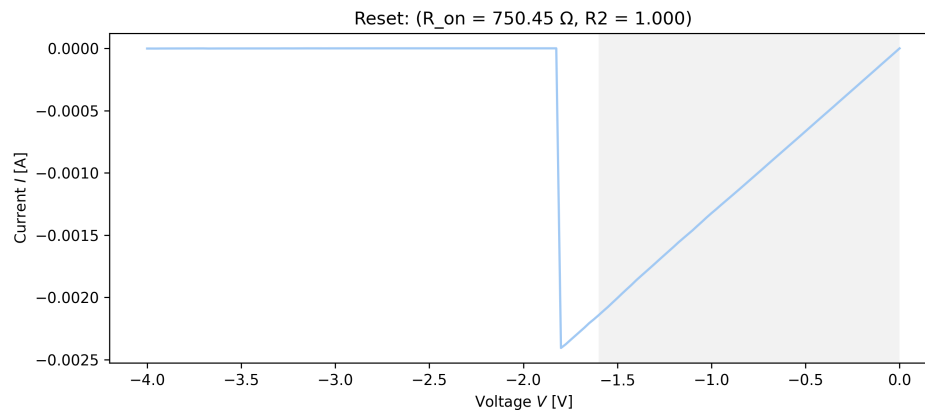
Set at 3.5V



reset

- **Time:** 12:18:40PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.667 V/s*
- **Cycle:** 8
- **Resistance:** 750.45 Ω
- **Linear Fit R²:** 1.000

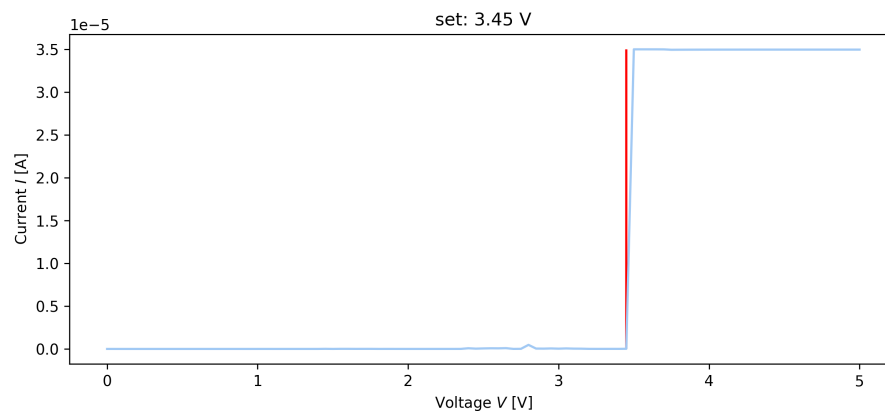
Reset nicely



set

- **Time:** 12:18:54PM
- **I_{cc}:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 9
- **Set Voltage:** 3.45 V

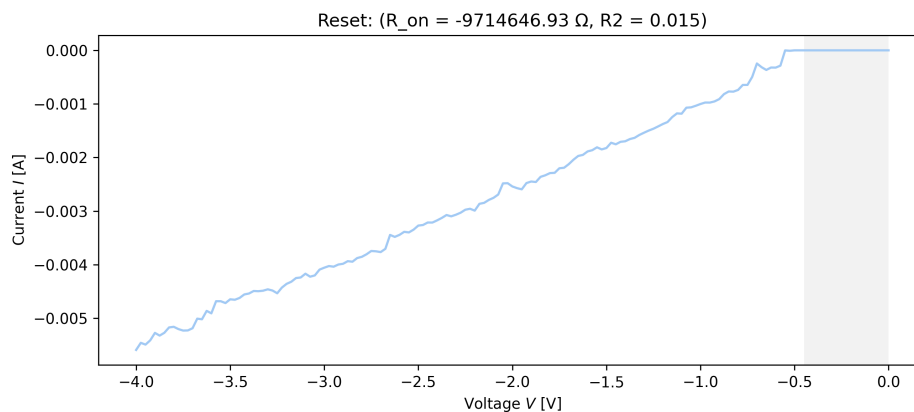
set again, 3.5V



reset

- **Time:** 12:44:09PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.584 V/s*
- **Cycle:** 9
- **Resistance:** -9714646.93 Ω
- **Linear Fit R2:** 0.015

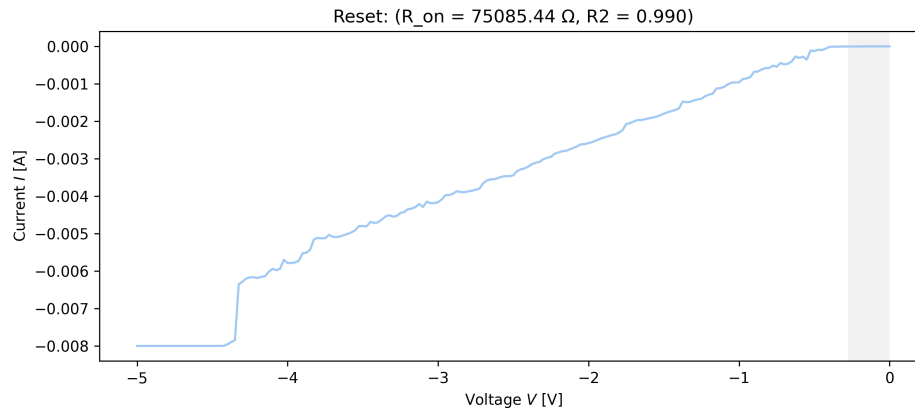
Did not reset



reset

- **Time:** 12:44:44PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.567 V/s*
- **Cycle:** 10
- **Resistance:** 75085.44 Ω
- **Linear Fit R2:** 0.990

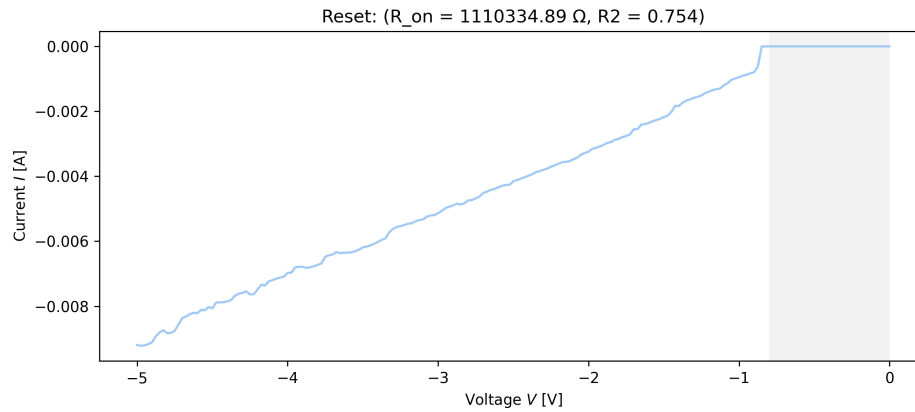
Did not reset



reset

- **Time:** 12:45:38PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V \rightarrow -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.567 V/s*
- **Cycle:** 11
- **Resistance:** 1110334.89 Ω
- **Linear Fit R2:** 0.754

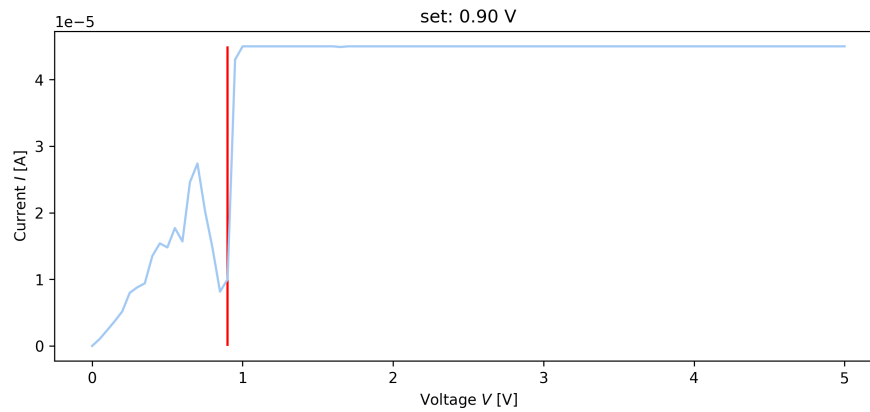
Did not reset



set

- **Time:** 12:45:58PM
- **I_{cc}:** 45.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.608 V/s*
- **Cycle:** 12
- **Set Voltage:** 0.90 V

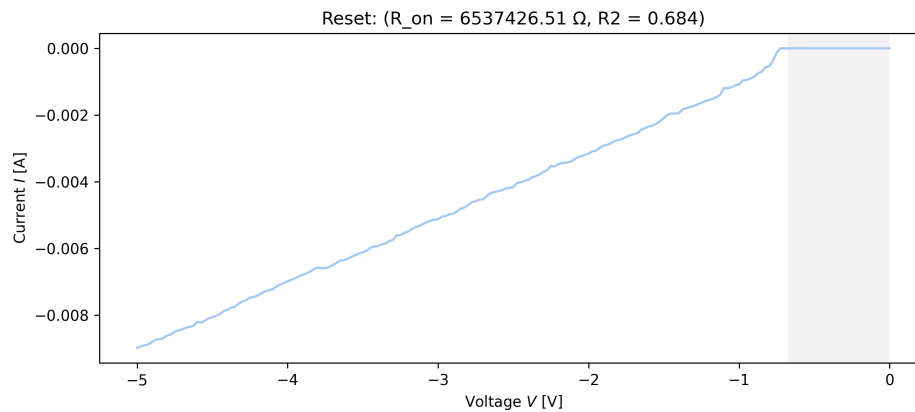
Set



reset

- **Time:** 12:46:39PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V \rightarrow -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.569 V/s*
- **Cycle:** 12
- **Resistance:** 6537426.51 Ω
- **Linear Fit R2:** 0.684

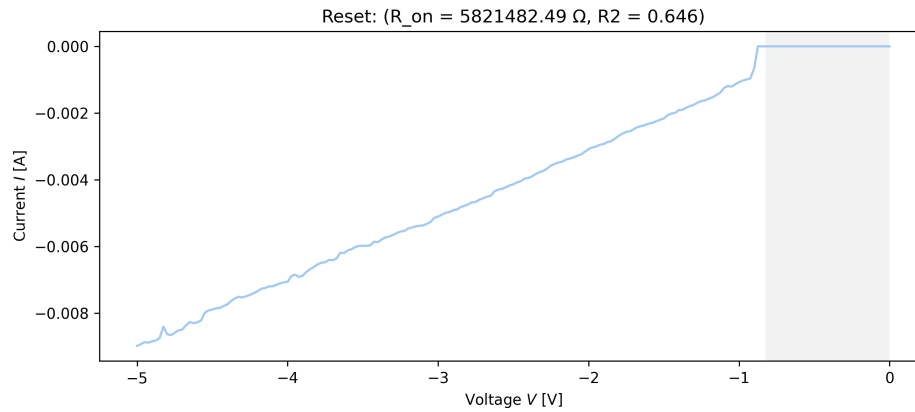
Did not reset again



reset

- **Time:** 12:47:45PM
- **I_{cc}:** 12.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.549 V/s*
- **Cycle:** 13
- **Resistance:** 5821482.49 Ω
- **Linear Fit R2:** 0.646

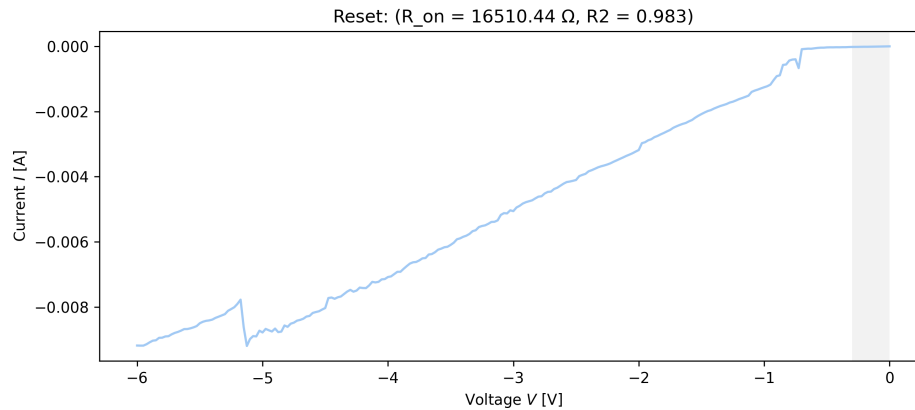
Did not reset



reset

- **Time:** 12:48:18PM
- **Icc:** 12.0mA
- **Voltage Range:** 0V \rightarrow -6V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.550 V/s*
- **Cycle:** 14
- **Resistance:** 16510.44 Ω
- **Linear Fit R2:** 0.983

Did not reset



reset

- **Time:** 12:48:55PM
- **Icc:** 12.0mA
- **Voltage Range:** 0V \rightarrow -6V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.550 V/s*
- **Cycle:** 15
- **Resistance:** 137625.64 Ω
- **Linear Fit R2:** 0.993

Did not reset

