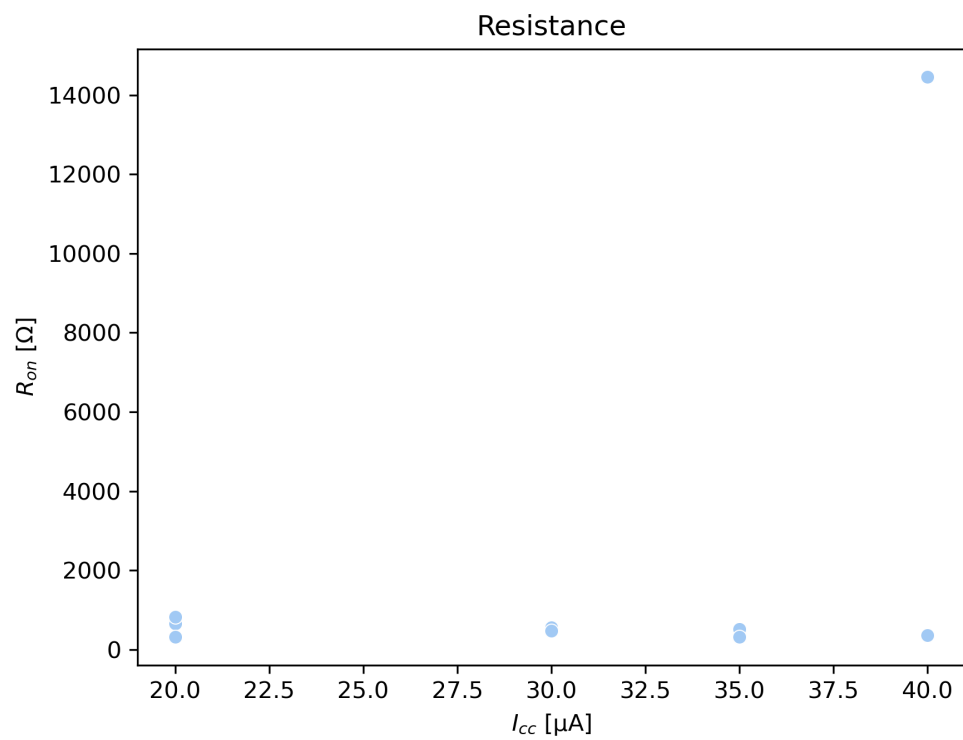


(wafer2,0,7,-1,-1,0,1) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 34
- **Last Measurement:** 2022/March/25 at 06:07:10PM

Summary

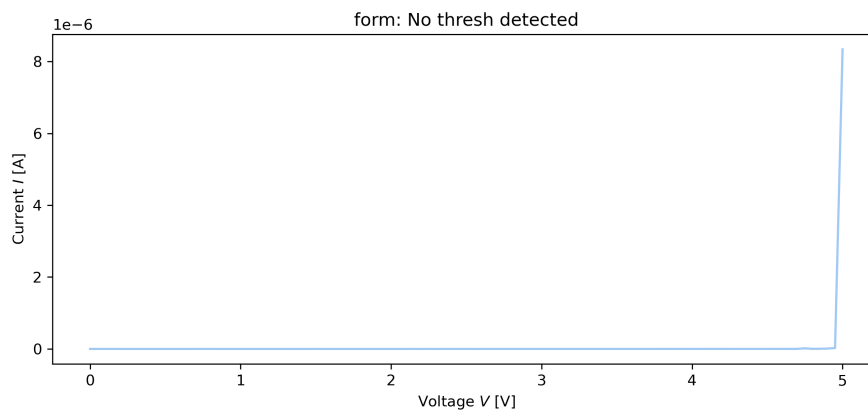
Cycle #	Set Icc (μ A)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	2.30	654.98	1.000
2	20.0	2.30	819.61	1.000
3	20.0	4.45	315.02	1.000
4	20.0	4.30	322.70	1.000
5	30.0	4.40	2676.30	0.942
6	30.0	2.40	563.15	1.000
7	30.0	2.60	476.54	1.000
8	35.0	2.20	516.50	1.000
9	35.0	4.20	320.11	1.000
10	35.0	2.55	238136.15	0.964
11	35.0	2.35	64468642.68	0.349
12	35.0	3.40	1495435.48	0.401
13	40.0	3.45	14455.01	0.997
14	40.0	2.15	366.09	1.000
15	40.0	3.20	353.90	1.000



form

- **Time:** 04:55:37PM
- **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

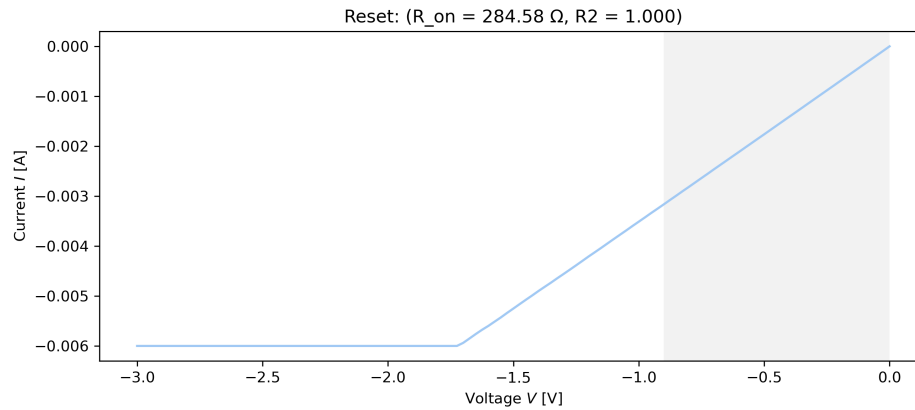
Set, but too high to tell accurately ~5V



reset

- **Time:** 04:57:52PM
- **I_{cc}:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.826 V/s*
- **Cycle:** 1
- **Resistance:** 284.58 Ω
- **Linear Fit R²:** 1.000

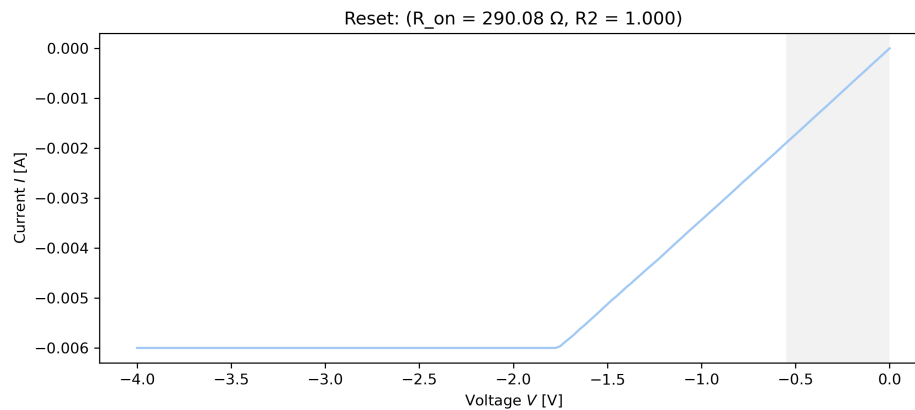
Did not reset



reset

- **Time:** 04:58:11PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.826 V/s*
- **Cycle:** 1
- **Resistance:** 290.08 Ω
- **Linear Fit R2:** 1.000

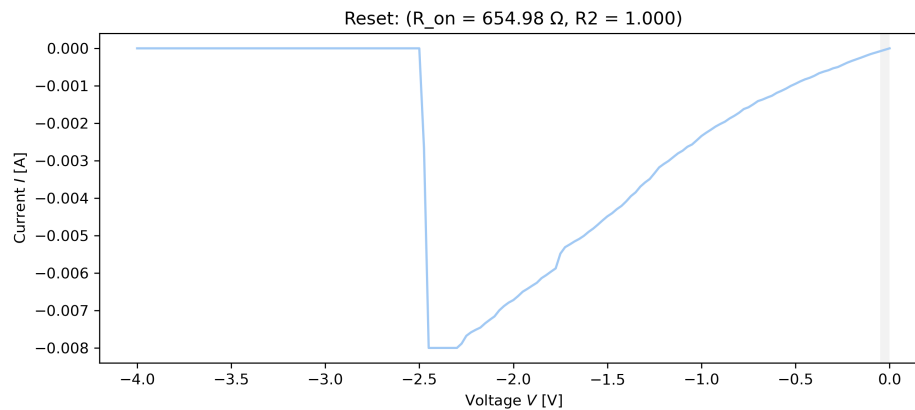
Did not reset again



reset

- **Time:** 04:58:30PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.732 V/s*
- **Cycle:** 1
- **Resistance:** 654.98 Ω
- **Linear Fit R2:** 1.000

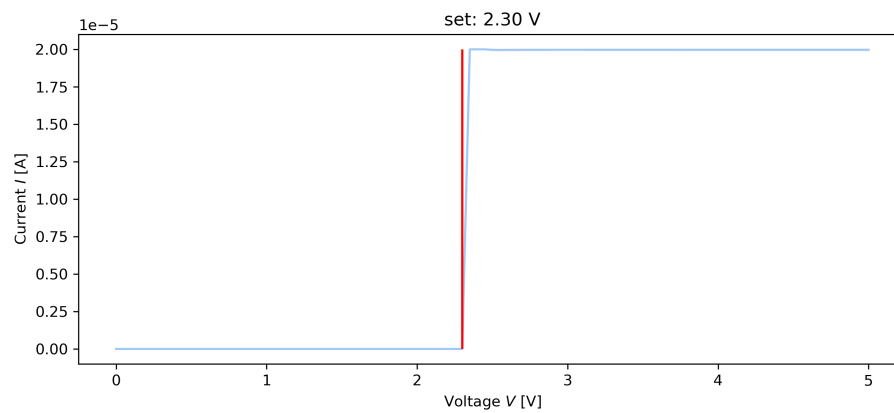
Did reset, slope not constant



set

- **Time:** 04:59:44PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 2.30 V

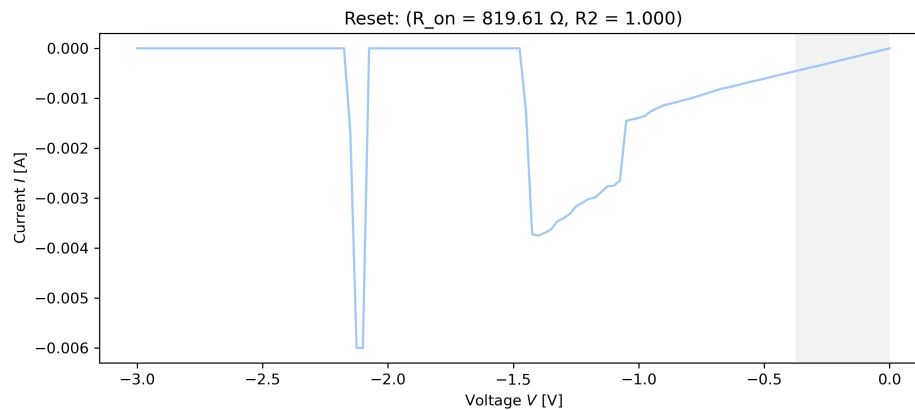
Set at 2.35V



reset

- **Time:** 05:00:43PM
- **Icc:** 6.0mA
- **Voltage Range:** 0V \rightarrow -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.650 V/s*
- **Cycle:** 2
- **Resistance:** 819.61 Ω
- **Linear Fit R2:** 1.000

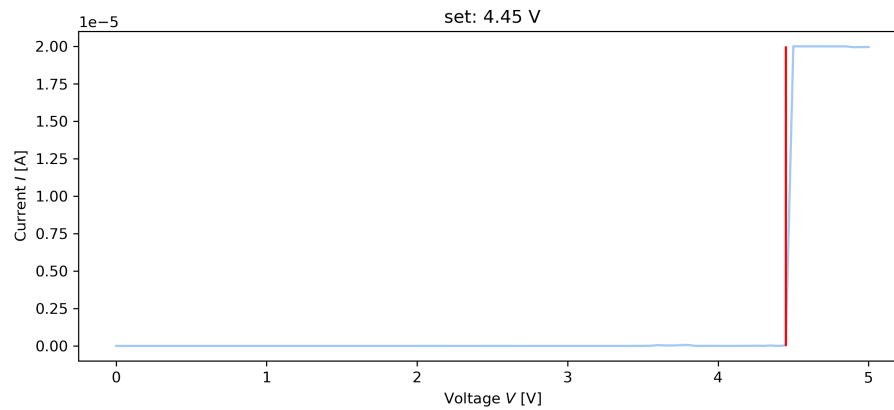
Did reset, but was erratic. rr not maintained



set

- **Time:** 05:01:31PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 3
- **Set Voltage:** 4.45 V

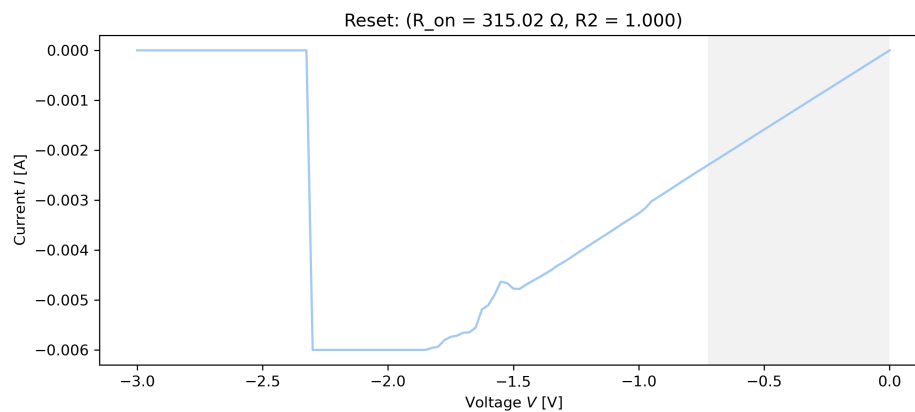
Set at 4.50V



reset

- **Time:** 05:02:18PM
- **I_{cc}:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.813 V/s*
- **Cycle:** 3
- **Resistance:** 315.02 Ω
- **Linear Fit R²:** 1.000

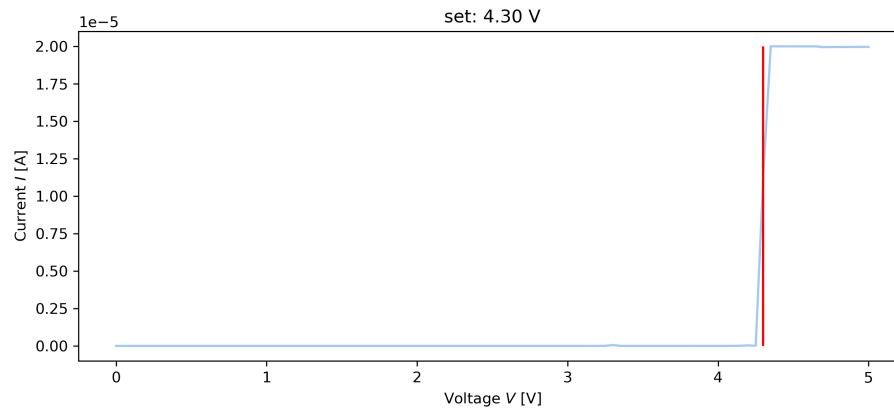
Reset, rr not maintained



set

- **Time:** 05:03:10PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 4.30 V

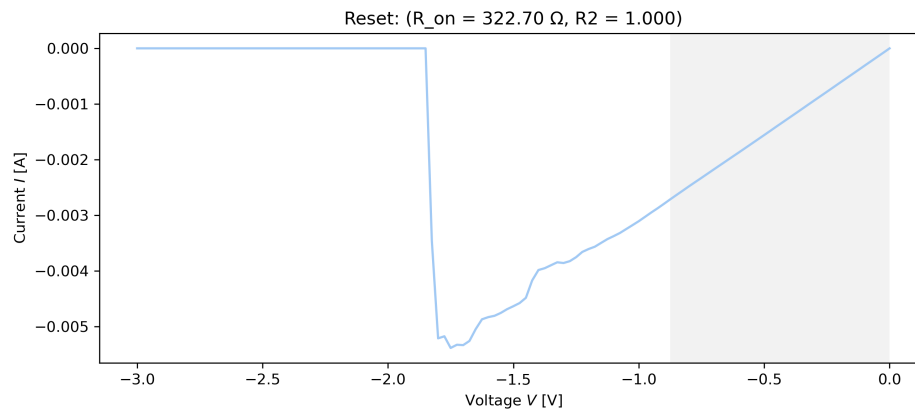
Set at 4.35V



reset

- **Time:** 05:03:48PM
- **I_{cc}:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.813 V/s*
- **Cycle:** 4
- **Resistance:** 322.70 Ω
- **Linear Fit R²:** 1.000

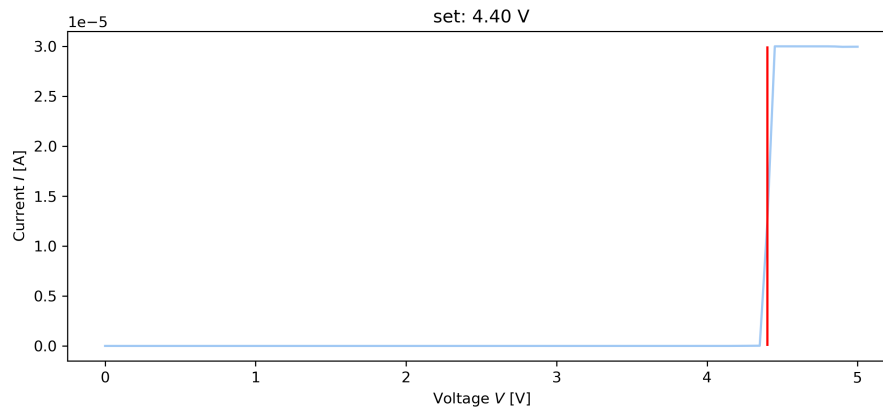
Reset, similar slope to previous reset



set

- **Time:** 05:51:10PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 4.40 V

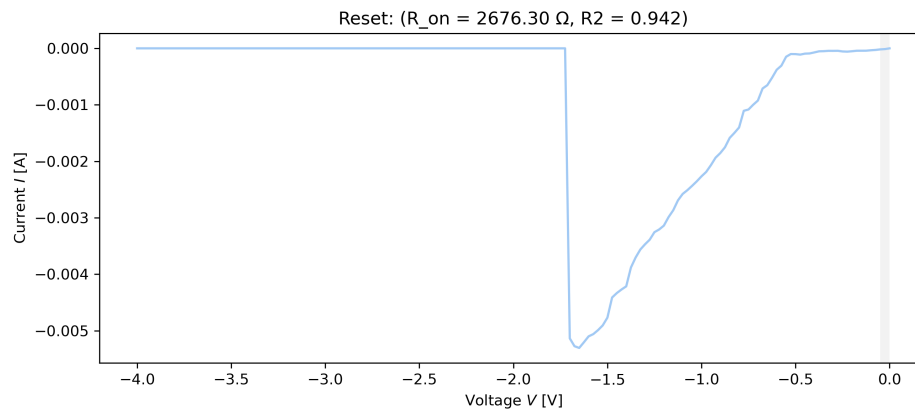
Set at 4.45V



reset

- **Time:** 05:51:42PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.636 V/s*
- **Cycle:** 5
- **Resistance:** 2676.30 Ω
- **Linear Fit R²:** 0.942

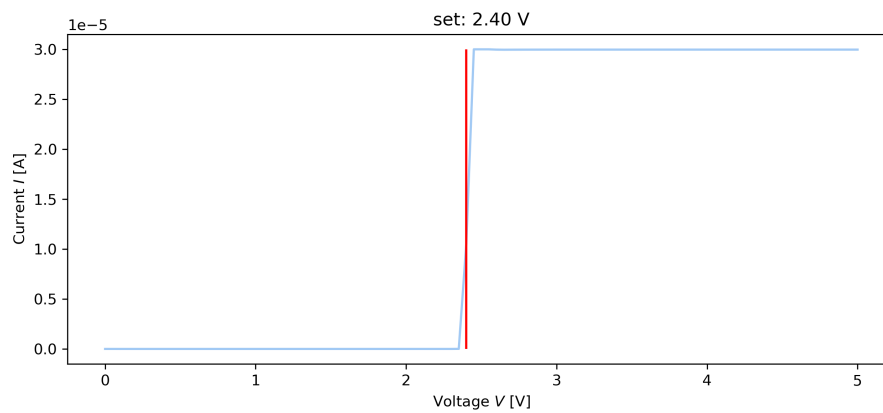
Reset, not constant slope



set

- **Time:** 05:52:30PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 2.40 V

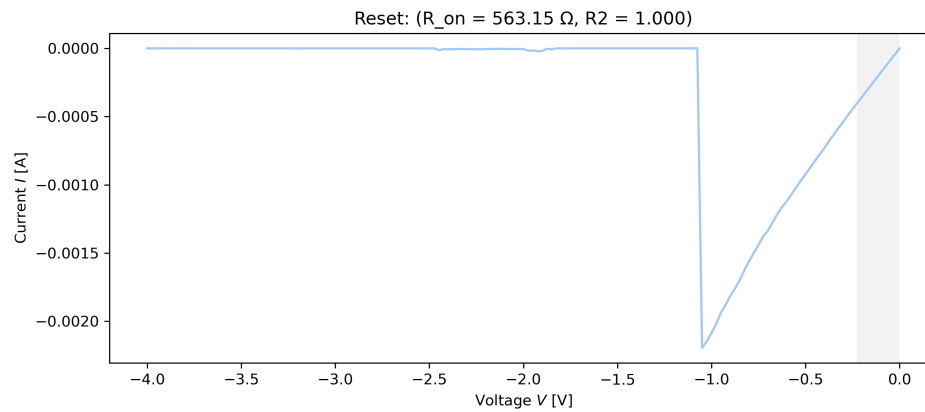
Set at 2.45V



reset

- **Time:** 05:52:56PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.733 V/s*
- **Cycle:** 6
- **Resistance:** 563.15 Ω
- **Linear Fit R²:** 1.000

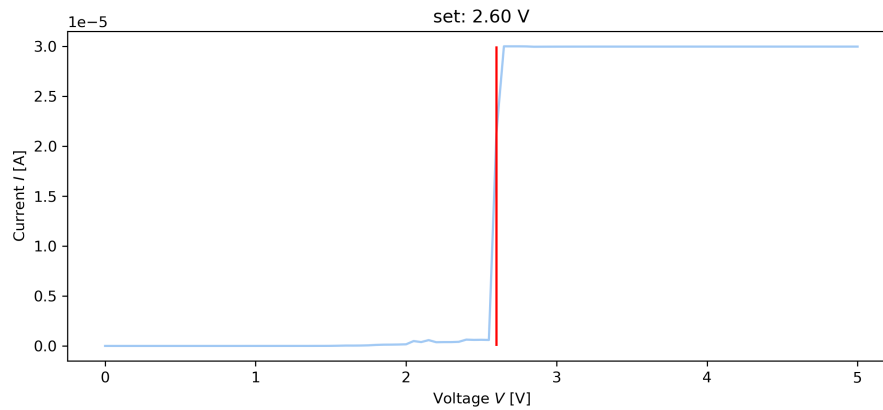
Reset, slope opposite of expected



set

- **Time:** 05:54:33PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 7
- **Set Voltage:** 2.60 V

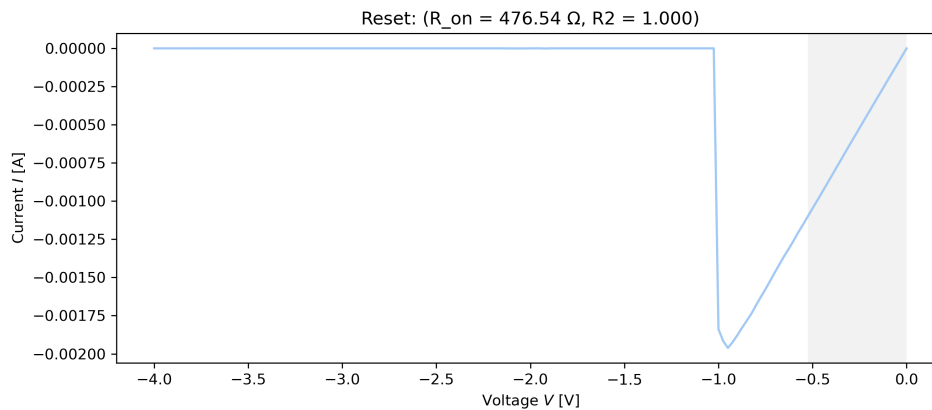
Set at 2.65V



reset

- **Time:** 05:54:57PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.754 V/s*
- **Cycle:** 7
- **Resistance:** 476.54 Ω
- **Linear Fit R2:** 1.000

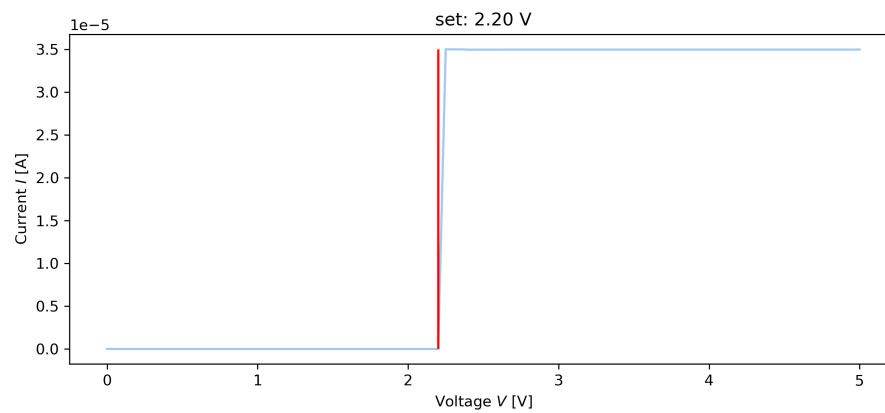
Reset similar to previous run



set

- **Time:** 05:56:26PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 8
- **Set Voltage:** 2.20 V

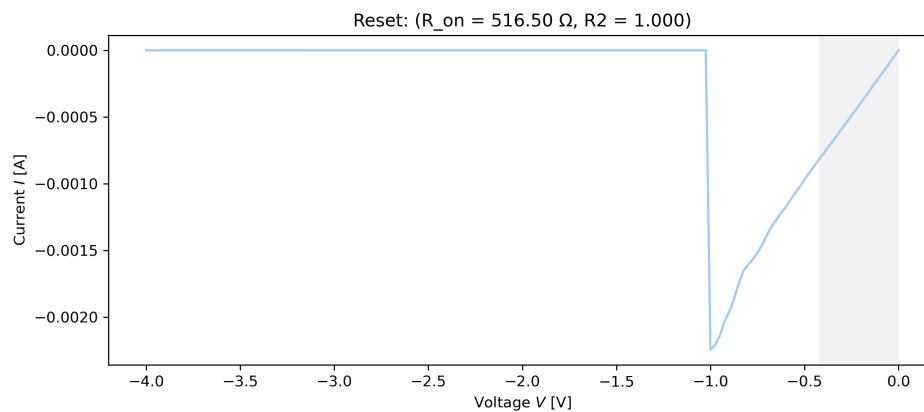
Set at 2.25V



reset

- **Time:** 05:57:04PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.743 V/s*
- **Cycle:** 8
- **Resistance:** 516.50 Ω
- **Linear Fit R2:** 1.000

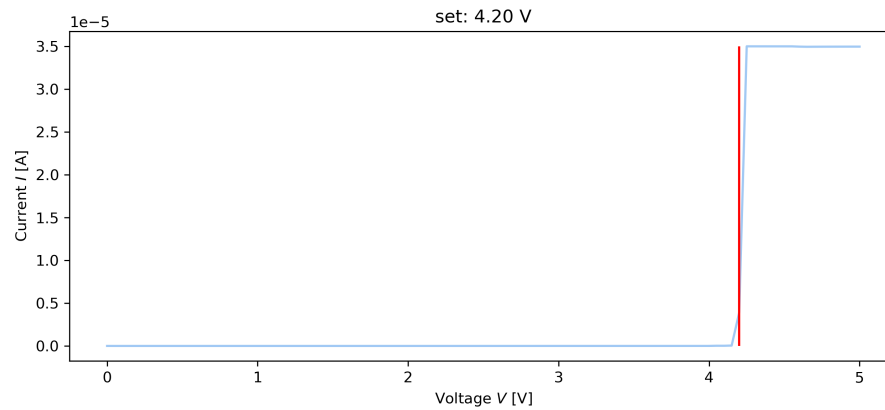
Reset



set

- **Time:** 05:57:32PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 9
- **Set Voltage:** 4.20 V

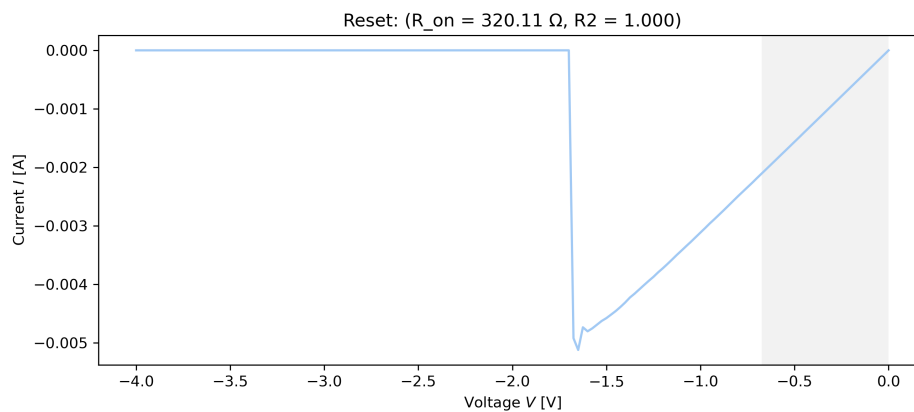
set at 4.25V



reset

- **Time:** 05:57:58PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.812 V/s*
- **Cycle:** 9
- **Resistance:** 320.11 Ω
- **Linear Fit R²:** 1.000

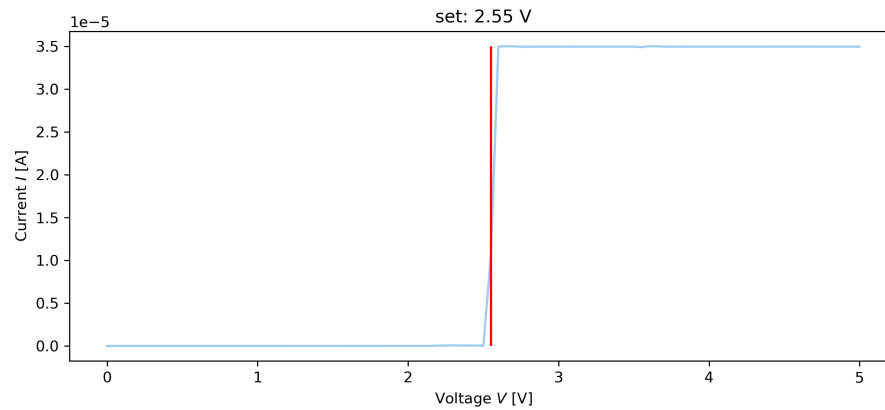
Reset



set

- **Time:** 05:58:48PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 10
- **Set Voltage:** 2.55 V

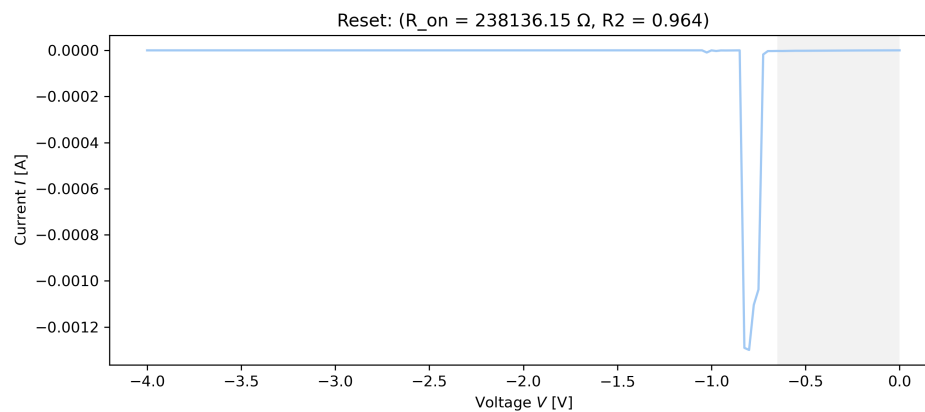
Set at 2.6V



reset

- **Time:** 05:59:12PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.574 V/s*
- **Cycle:** 10
- **Resistance:** 238136.15 Ω
- **Linear Fit R²:** 0.964

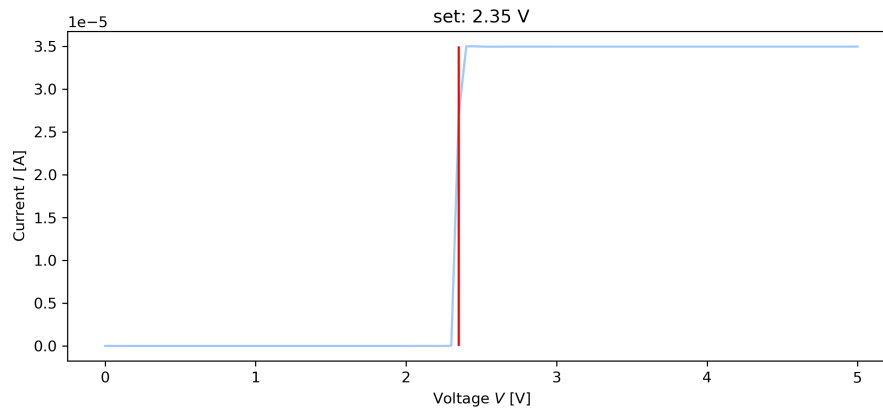
Reset, but weird



set

- **Time:** 05:59:35PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 11
- **Set Voltage:** 2.35 V

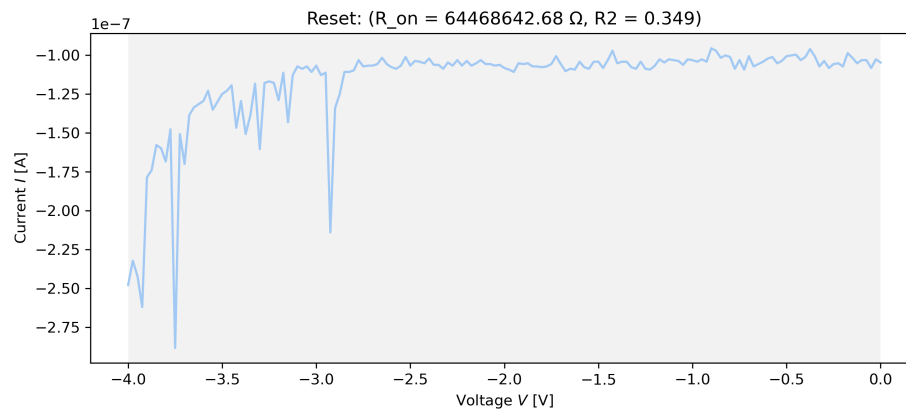
Set at 2.4V, (ignore)



reset

- **Time:** 06:00:32PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.547 V/s*
- **Cycle:** 11
- **Resistance:** 64468642.68 Ω
- **Linear Fit R2:** 0.349

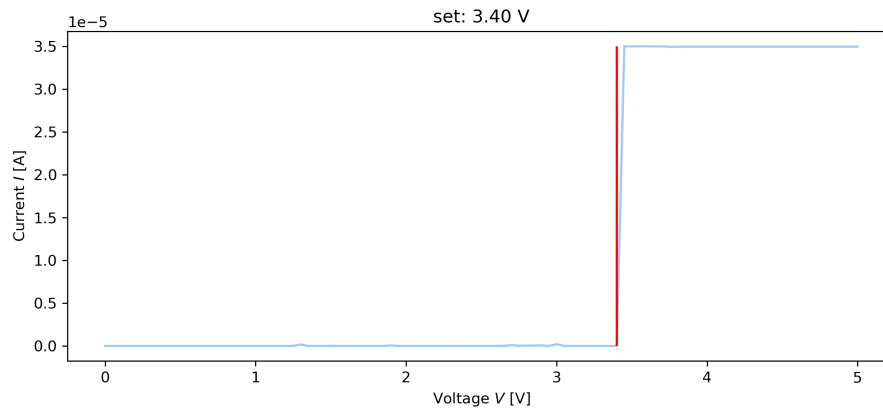
Connection Issues (ignore)



set

- **Time:** 06:03:27PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 12
- **Set Voltage:** 3.40 V

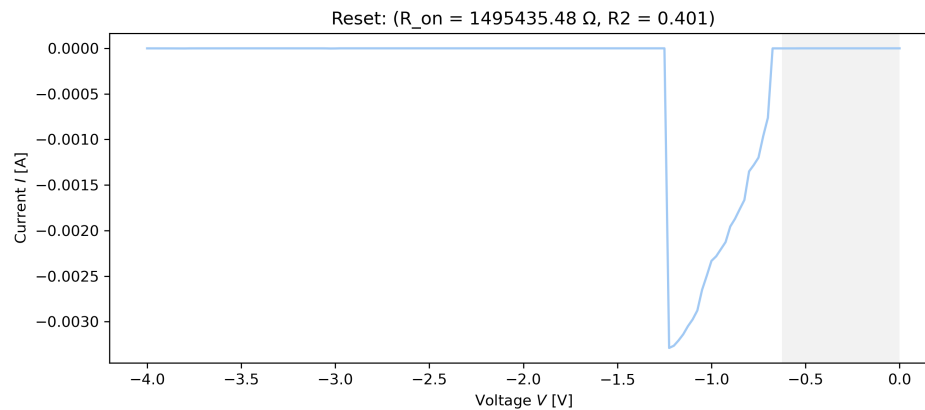
Set at 3.45V, (ignore)



reset

- **Time:** 06:04:05PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.624 V/s*
- **Cycle:** 12
- **Resistance:** 1495435.48 Ω
- **Linear Fit R2:** 0.401

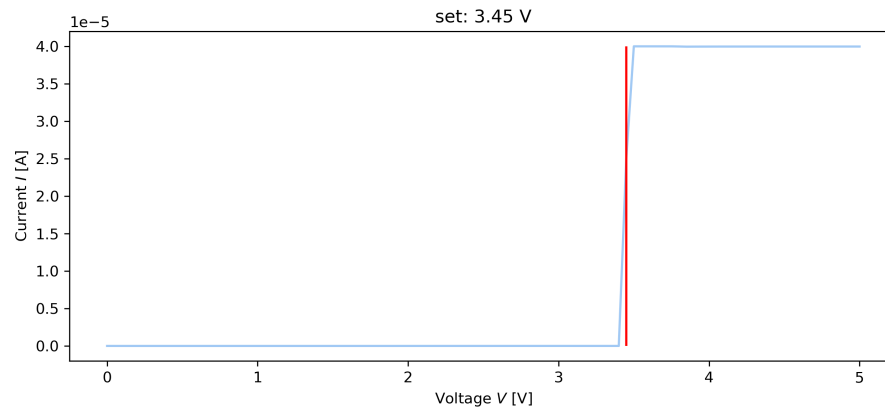
Reset, looks odd



set

- **Time:** 06:05:15PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 13
- **Set Voltage:** 3.45 V

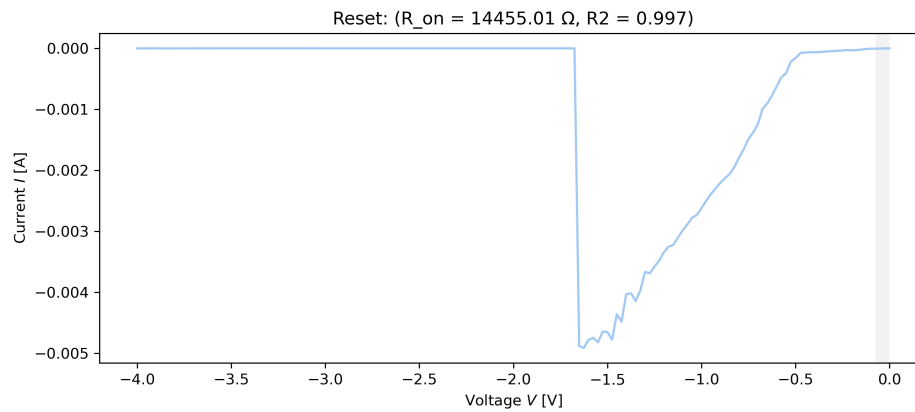
Set at 3.5V



reset

- **Time:** 06:05:39PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.643 V/s*
- **Cycle:** 13
- **Resistance:** 14455.01 Ω
- **Linear Fit R²:** 0.997

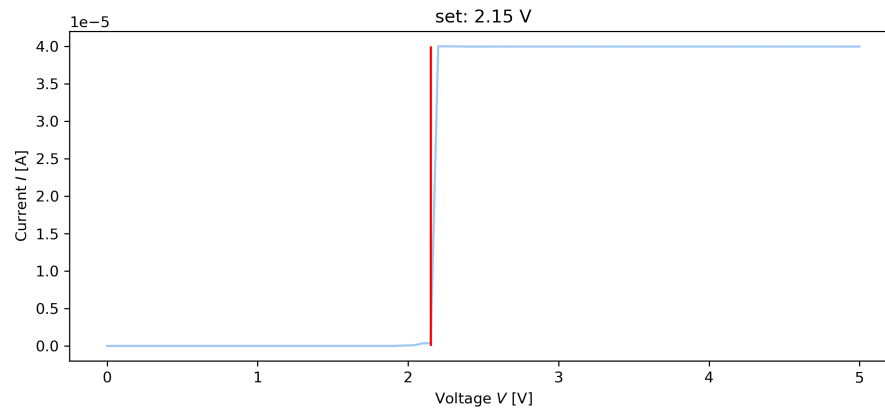
Reset



set

- **Time:** 06:06:01PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 14
- **Set Voltage:** 2.15 V

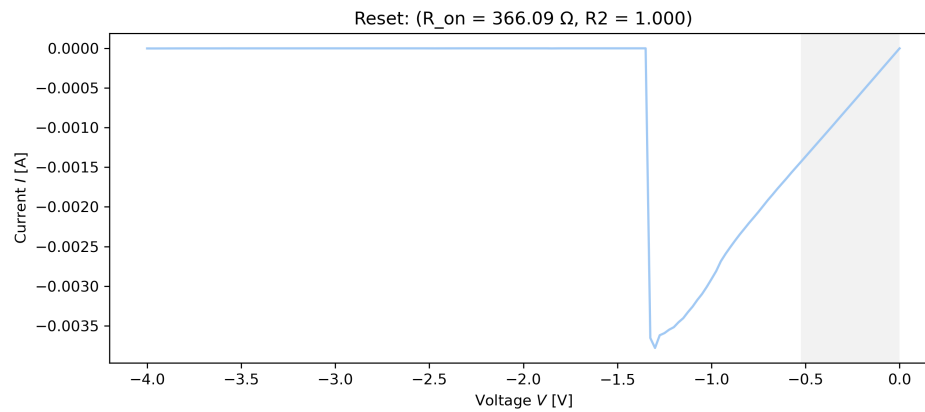
Set at 2.2V



reset

- **Time:** 06:06:24PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V \rightarrow -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.800 V/s*
- **Cycle:** 14
- **Resistance:** 366.09 Ω
- **Linear Fit R2:** 1.000

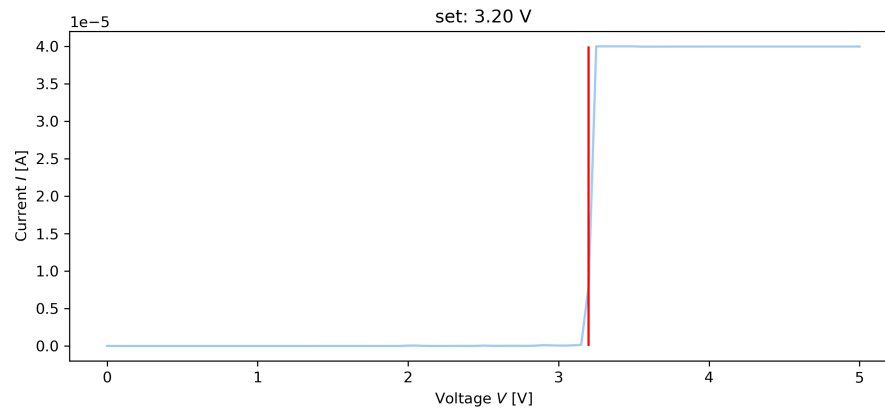
Reset nicely



set

- **Time:** 06:06:43PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V \rightarrow 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 15
- **Set Voltage:** 3.20 V

Set at 3.25V



reset

- **Time:** 06:07:10PM
- **I_{cc}:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.800 V/s*
- **Cycle:** 15
- **Resistance:** 353.90 Ω
- **Linear Fit R²:** 1.000

Good Reset, really close slope to previous reset

