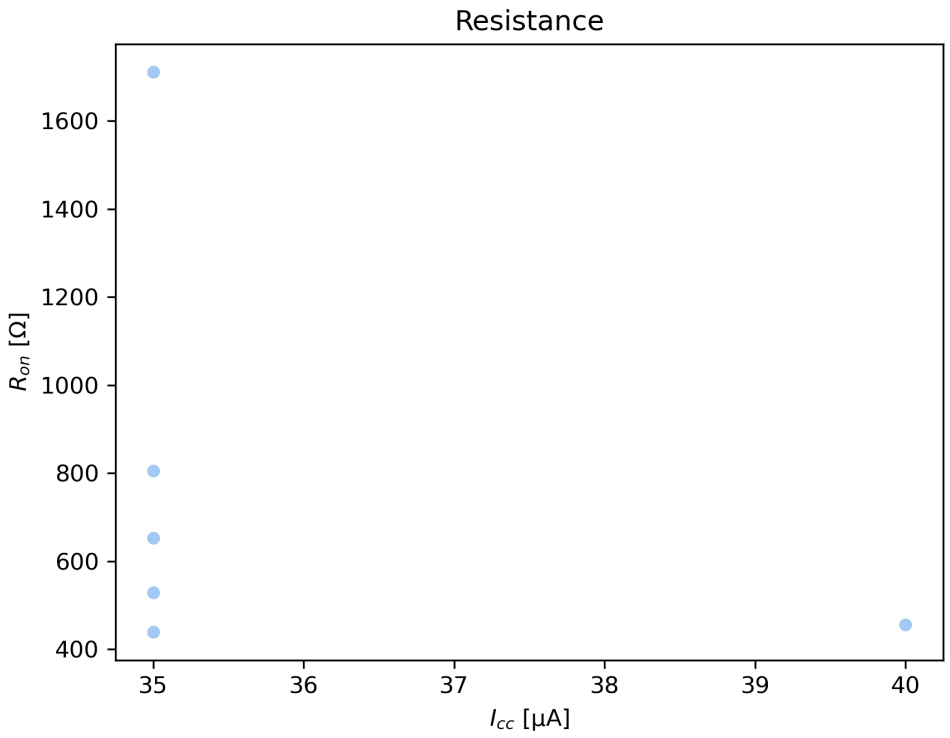
(wafer2,0,8,-1,-1,0,3) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 33
- **Last Measurement:** 2022/April/05 at 03:28:03PM

Summary

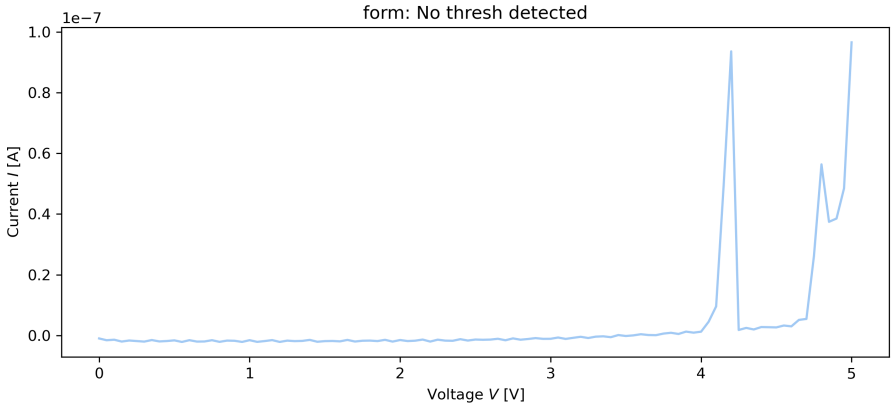
Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	35.0	3.85	439.29	1.000
2	35.0	3.60	652.52	1.000
3	35.0	3.00	526.06	1.000
4	35.0	2.20	804.91	1.000
5	35.0	0.05	1710.89	1.000
6	35.0	1.50	529.20	1.000
7	40.0	1.90	455.68	1.000



form

- **Time:** 02:29:04PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Error:** Set failed

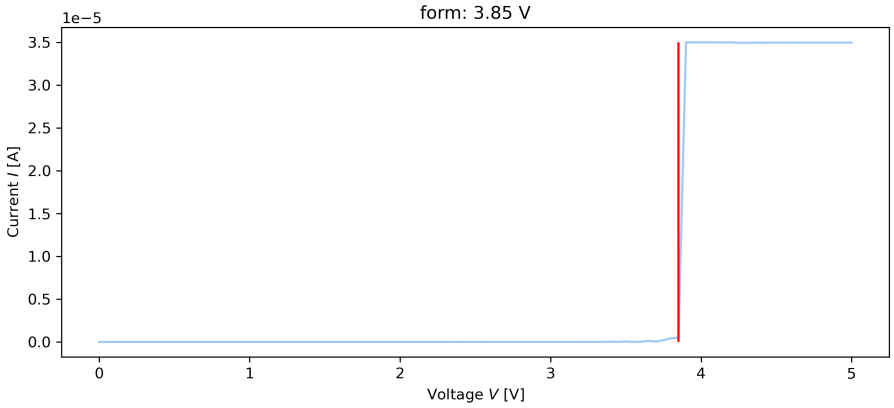
Did not set



form

- **Time:** 02:31:29PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 3.85 V

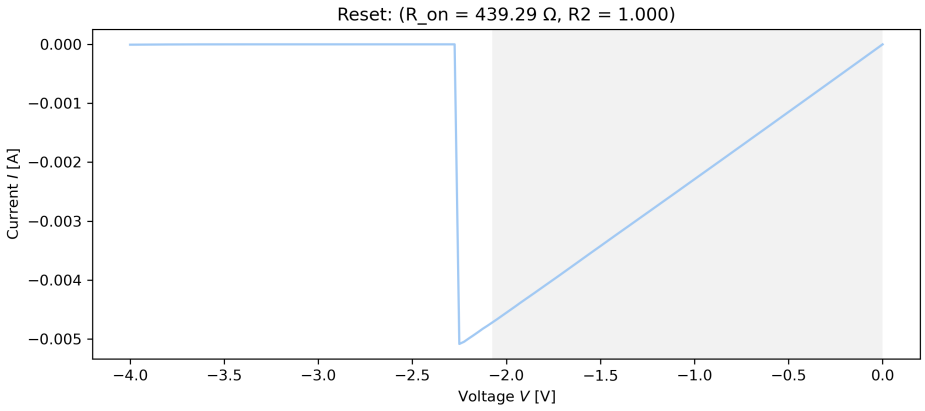
Did set at 3.9 V



reset

- **Time:** 02:32:30PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.776 V/s*
- **Cycle:** 1
- **Resistance:** 439.29 Ω
- **Linear Fit R2:** 1.000

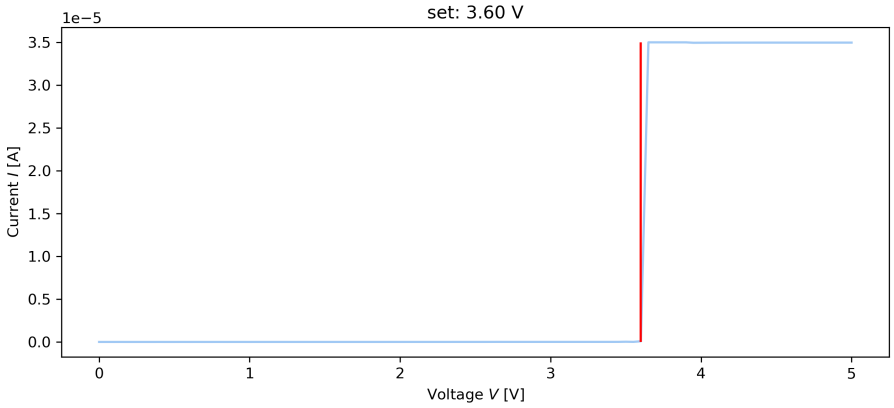
Use this one for r_on, reset nicely



set

- **Time:** 02:33:17PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 2
- **Set Voltage:** 3.60 V

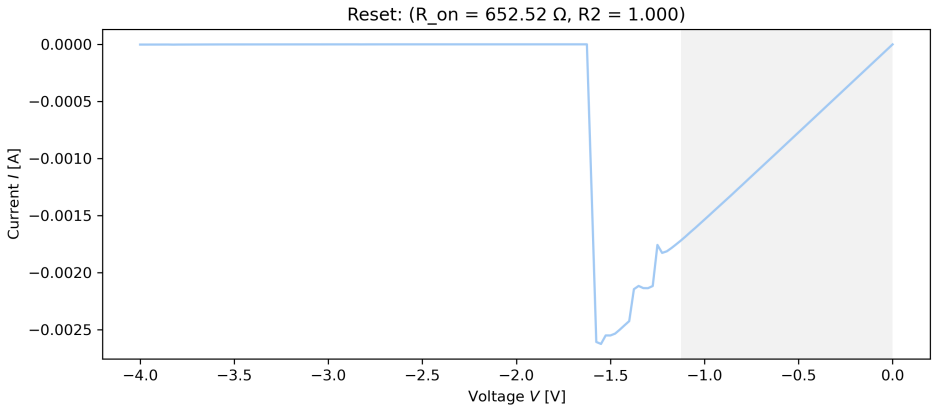
Set at 3.65 V, lower than form



reset

- **Time:** 02:33:47PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.703 V/s*
- **Cycle:** 2
- **Resistance:** 652.52 Ω
- **Linear Fit R2:** 1.000

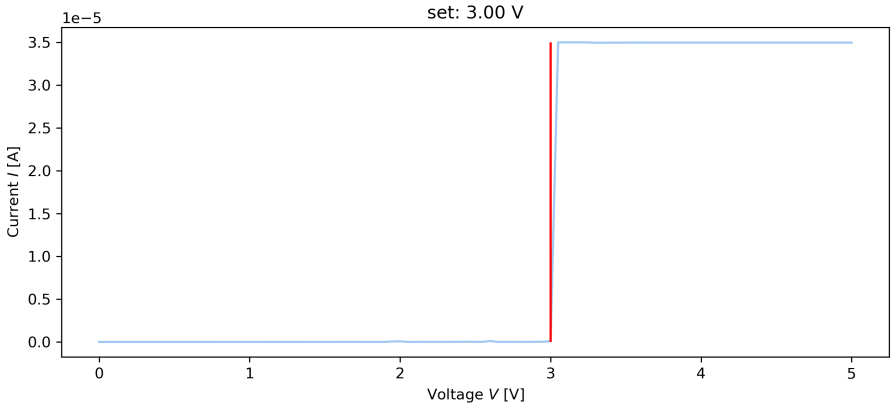
Reset, little weird



set

- **Time:** 02:34:33PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 3
- **Set Voltage:** 3.00 V

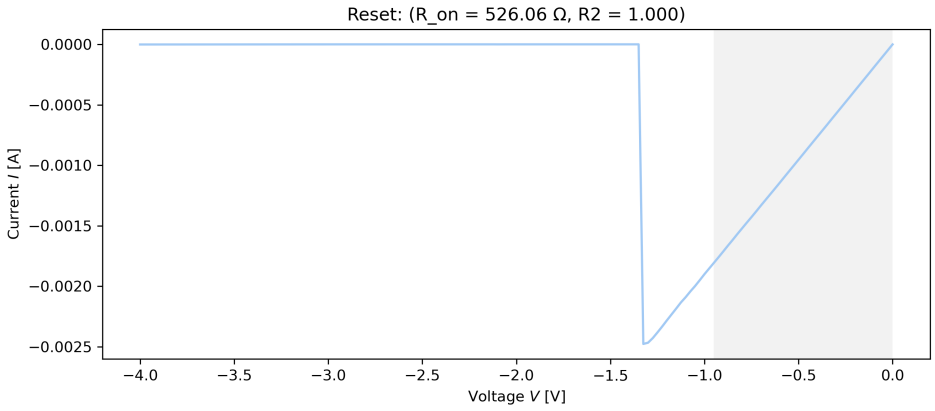
Set at 3.05



reset

- **Time:** 02:34:59PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.743 V/s*
- **Cycle:** 3
- **Resistance:** 526.06 Ω
- **Linear Fit R2:** 1.000

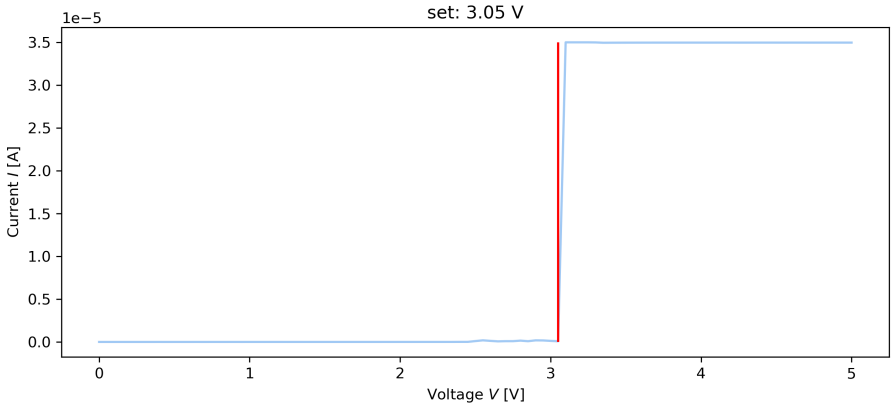
Reset nicely



set

- **Time:** 02:36:45PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 3.05 V

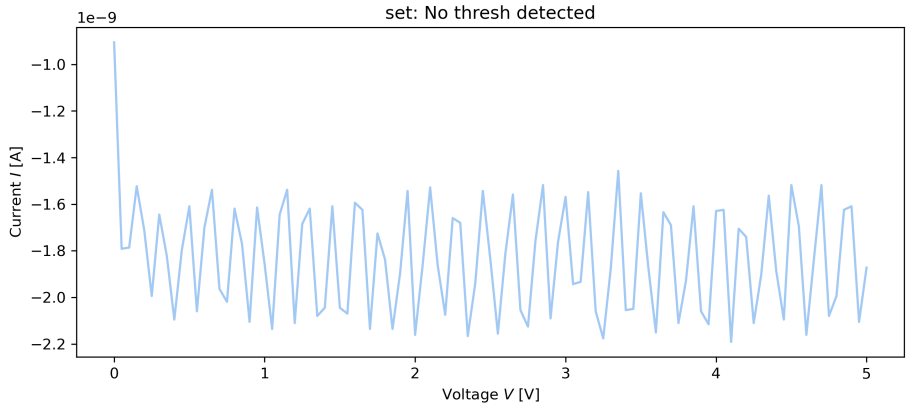
Setting before moving to neighbor. Still very nice



set

- **Time:** 02:44:10PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Error:** Set failed

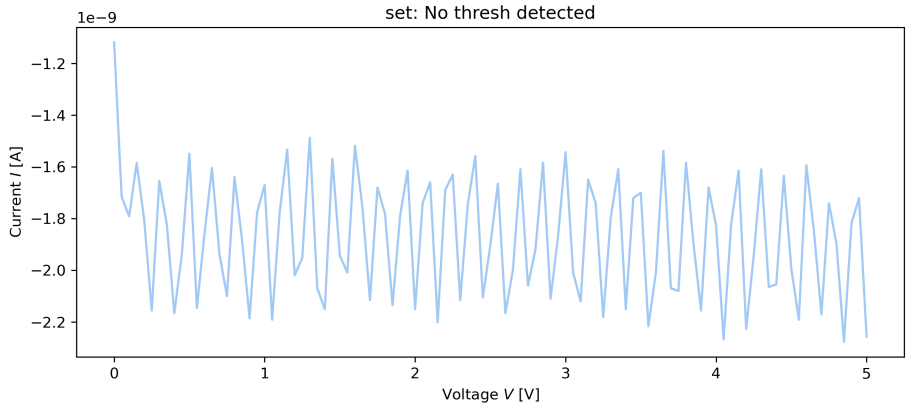
Probes not touching



set

- **Time:** 02:44:50PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Error:** Set failed

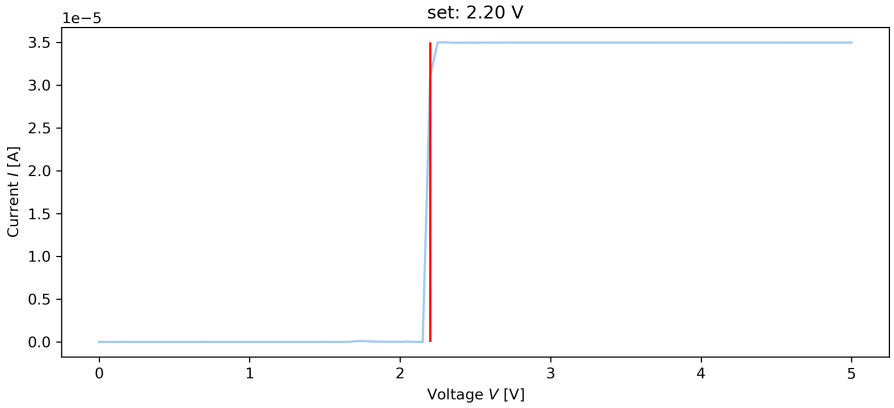
Probes still not touching



set

- **Time:** 02:46:32PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 2.20 V

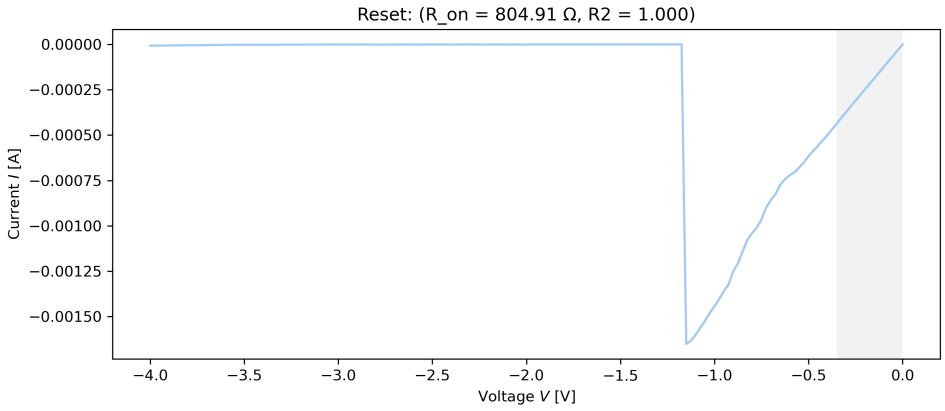
Cell set, which means that this filament was unset by heat (•■ ω •■)✧



reset

- **Time:** 02:47:07PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.650 V/s*
- **Cycle:** 4
- **Resistance:** 804.91 Ω
- **Linear Fit R2:** 1.000

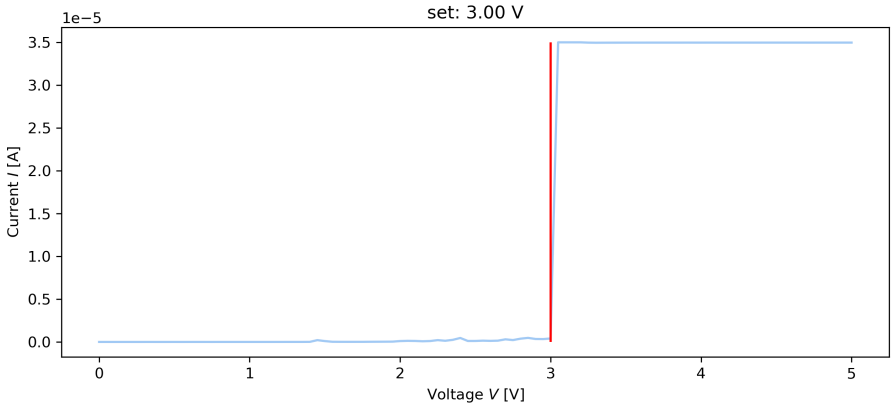
Reset somewhat cleanly



set

- **Time:** 02:48:00PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 3.00 V

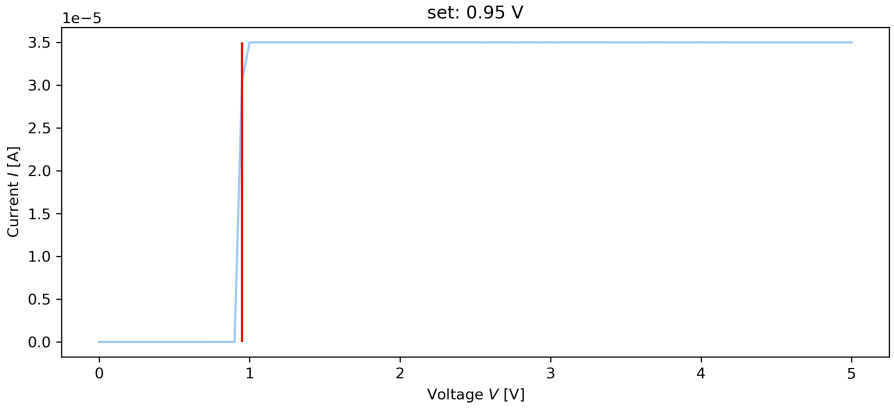
Set at 3.05



set

- **Time:** 03:09:49PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.070 V/s*
- **Cycle:** 5
- **Set Voltage:** 0.95 V

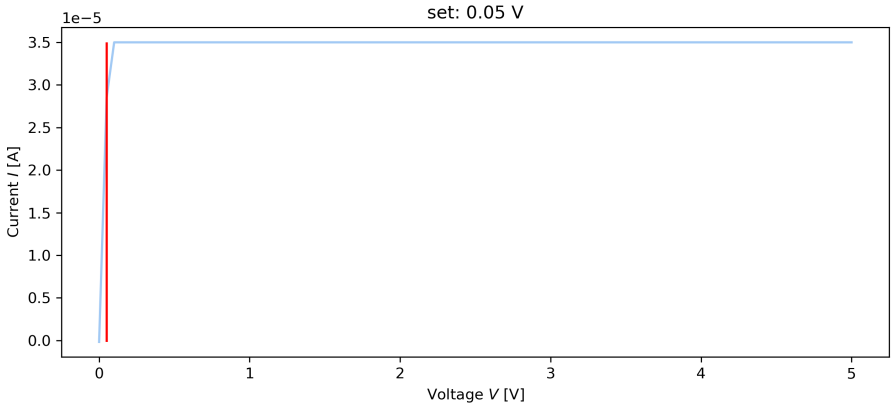
Set at low voltage



set

- **Time:** 03:10:21PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.838 V/s*
- **Cycle:** 5
- **Set Voltage:** 0.05 V

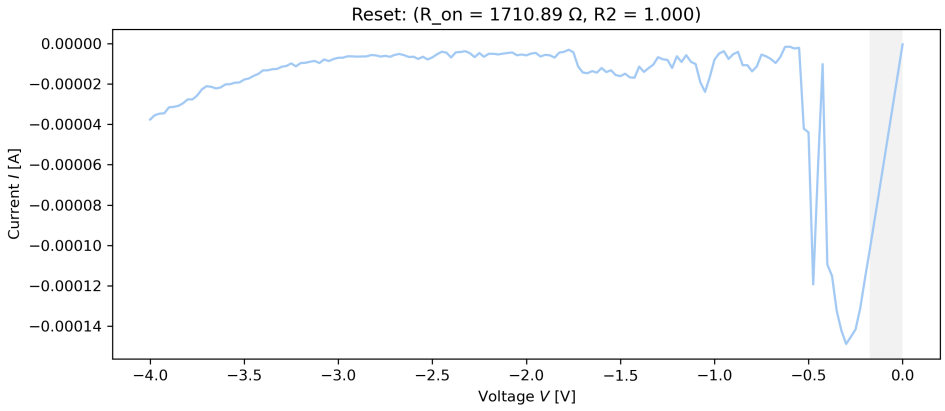
Accident



reset

- **Time:** 03:11:10PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.548 V/s*
- **Cycle:** 5
- **Resistance:** 1710.89 Ω
- **Linear Fit R2:** 1.000

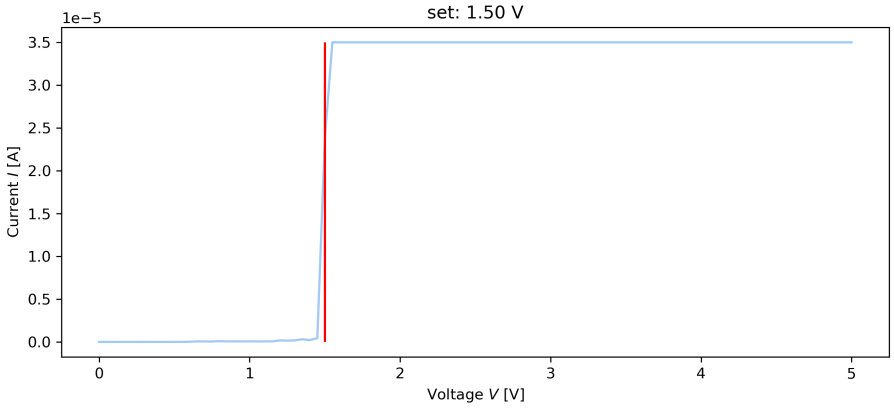
Whack



set

- **Time:** 03:12:10PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 1.50 V

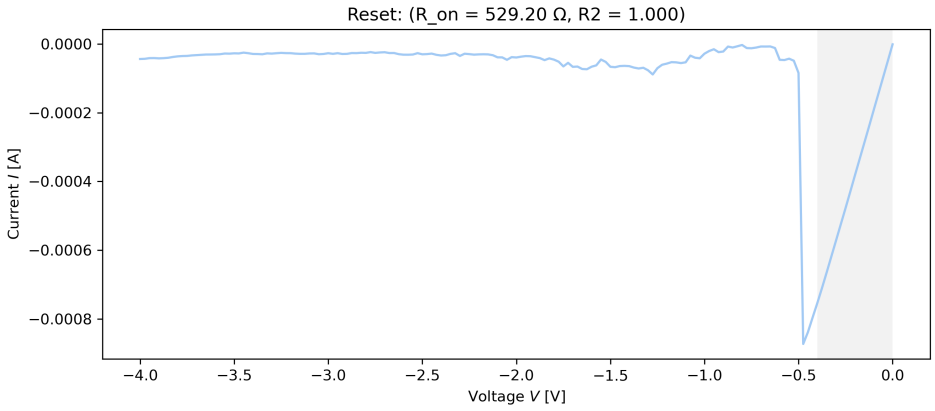
Set at low voltage of 1.55



reset

- **Time:** 03:12:40PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.554 V/s*
- **Cycle:** 6
- **Resistance:** 529.20 Ω
- **Linear Fit R2:** 1.000

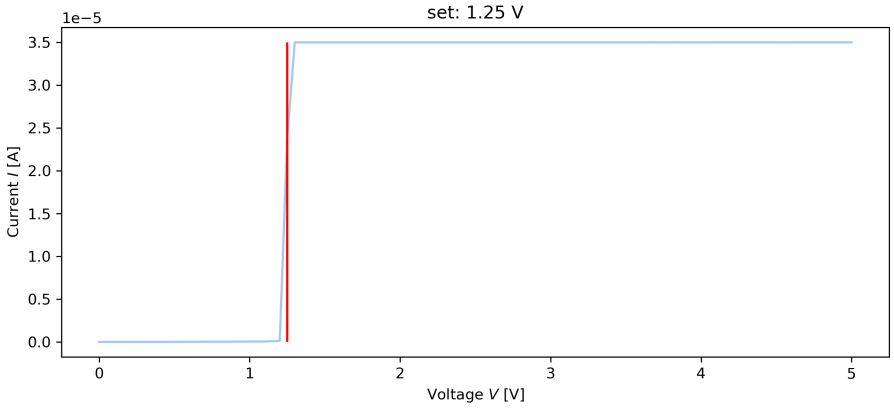
More normal



set

- **Time:** 03:13:04PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 7
- **Set Voltage:** 1.25 V

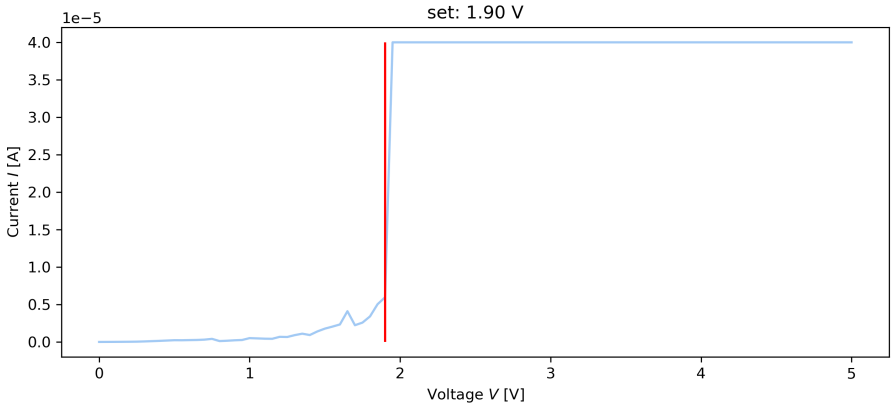
Set at low voltage



set

- **Time:** 03:23:43PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 7
- **Set Voltage:** 1.90 V

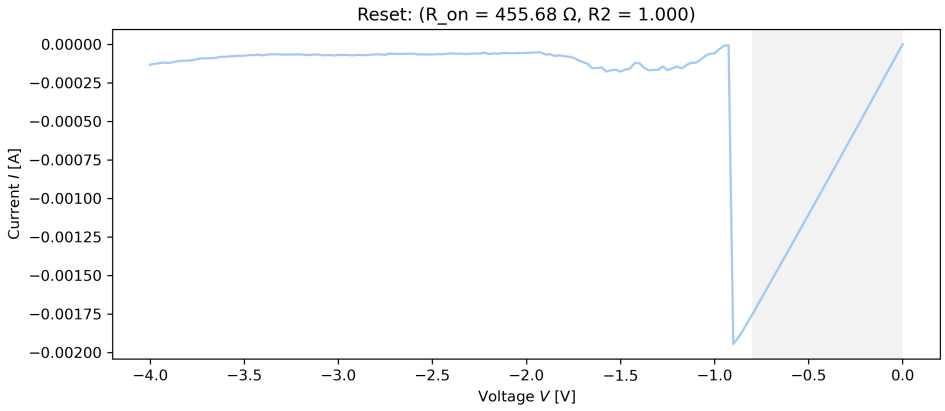
Set at 1.95



reset

- **Time:** 03:27:47PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s*
- **Cycle:** 7
- **Resistance:** 455.68 Ω
- **Linear Fit R2:** 1.000

Did reset



set

- **Time:** 03:28:03PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.070 V/s*
- **Cycle:** 8
- **Set Voltage:** 1.05 V

Set at 1.1