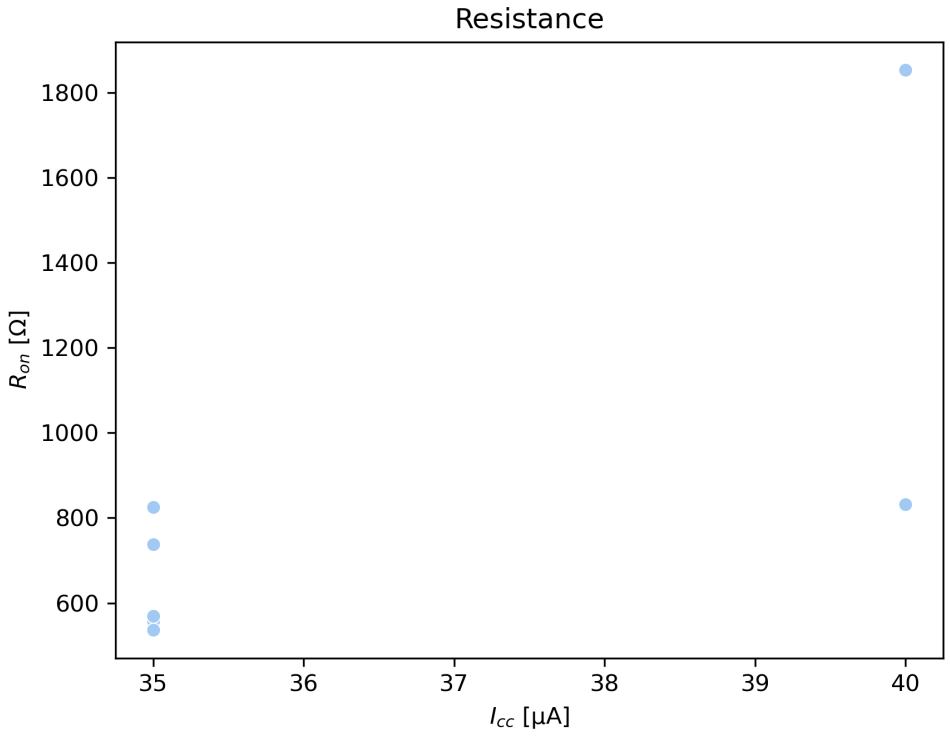
(wafer2,0,8,-1,-1,1,3) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 30
- **Last Measurement:** 2022/April/05 at 03:29:48PM

Summary

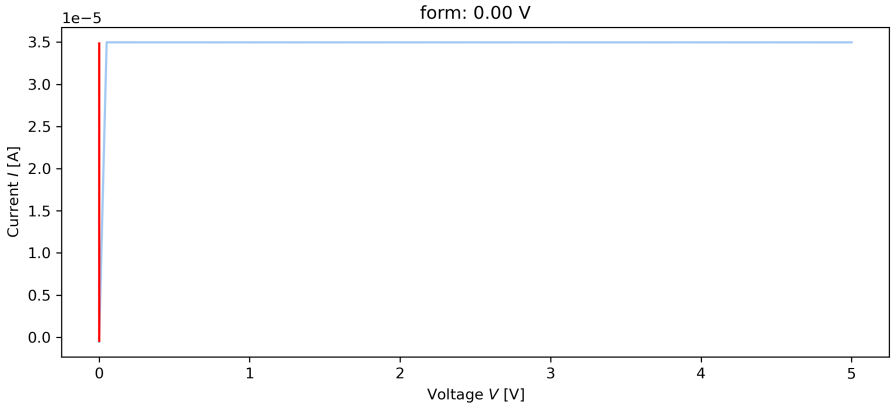
Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	35.0	1.50	557.10	1.000
2	35.0	1.50	738.15	1.000
3	35.0	3.20	536.53	1.000
4	35.0	3.15	568.79	1.000
5	35.0	1.85	824.82	1.000
6	40.0	1.70	831.65	1.000
7	40.0	1.45	1852.76	1.000



form

- **Time:** 02:38:32PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.838 V/s*
- **Cycle:** 1
- **Error:** Set failed

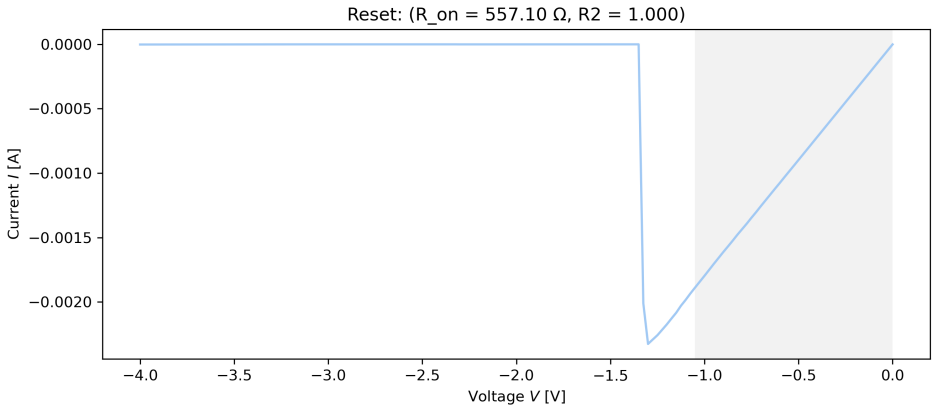
Set from the beginning



reset

- **Time:** 02:38:54PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.733 V/s*
- **Cycle:** 1
- **Resistance:** 557.10 Ω
- **Linear Fit R2:** 1.000

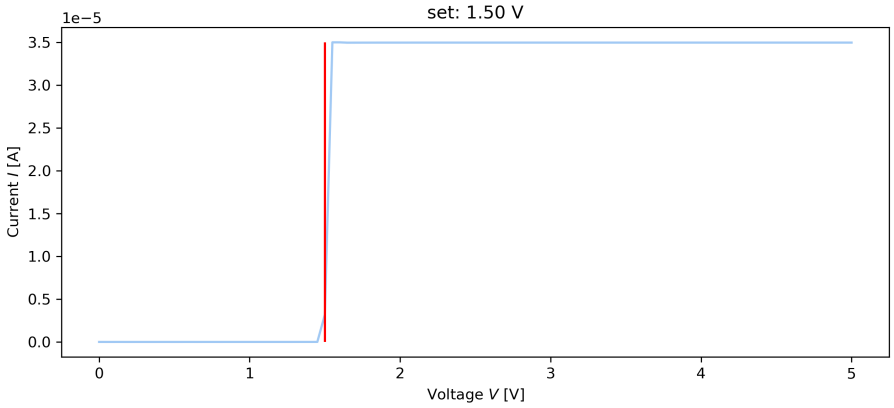
Reset



set

- **Time:** 02:39:45PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 1.50 V

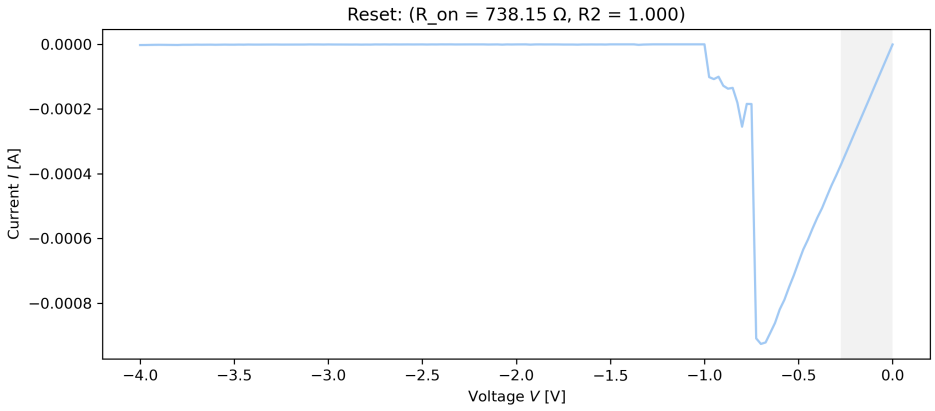
Set at 1.55 V, very low



reset

- **Time:** 02:40:42PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.598 V/s*
- **Cycle:** 2
- **Resistance:** 738.15 Ω
- **Linear Fit R2:** 1.000

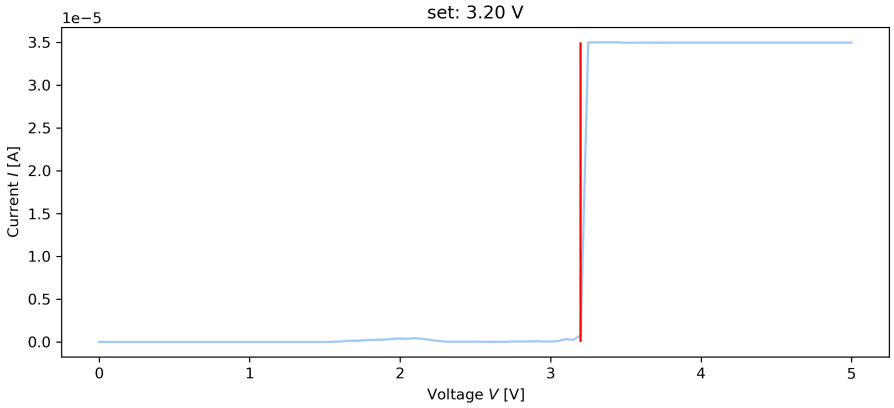
Weird reset, mostly normal



set

- **Time:** 02:41:03PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 3
- **Set Voltage:** 3.20 V

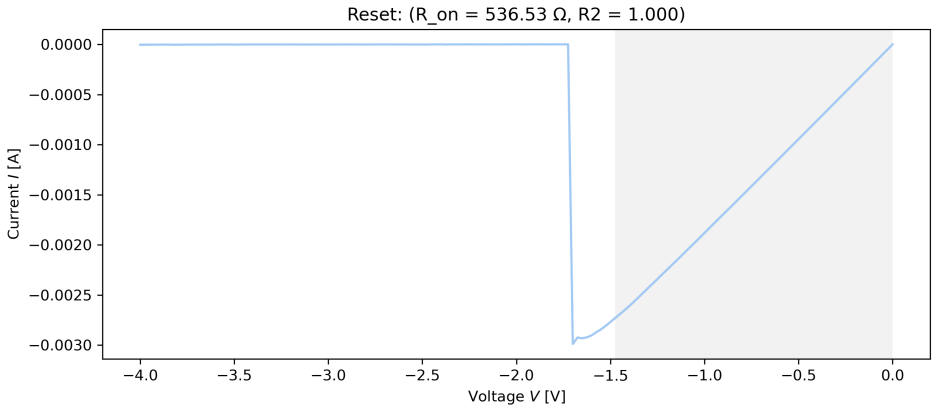
Set at normal voltage level this time



reset

- **Time:** 02:41:42PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.743 V/s*
- **Cycle:** 3
- **Resistance:** 536.53 Ω
- **Linear Fit R2:** 1.000

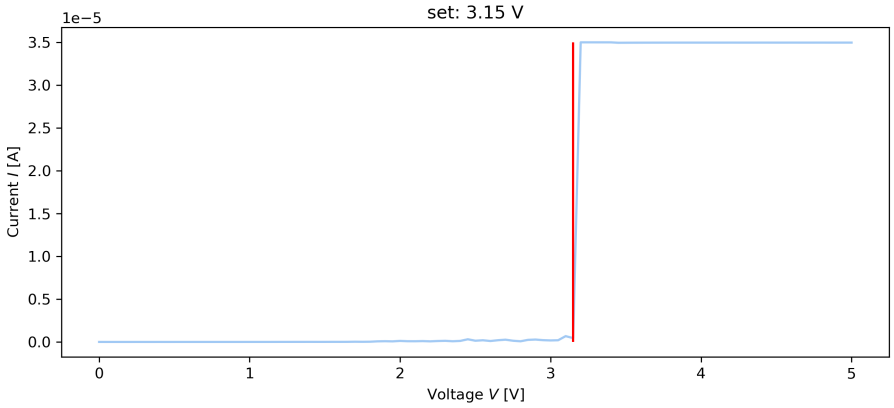
Good reset



set

- **Time:** 02:42:22PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 3.15 V

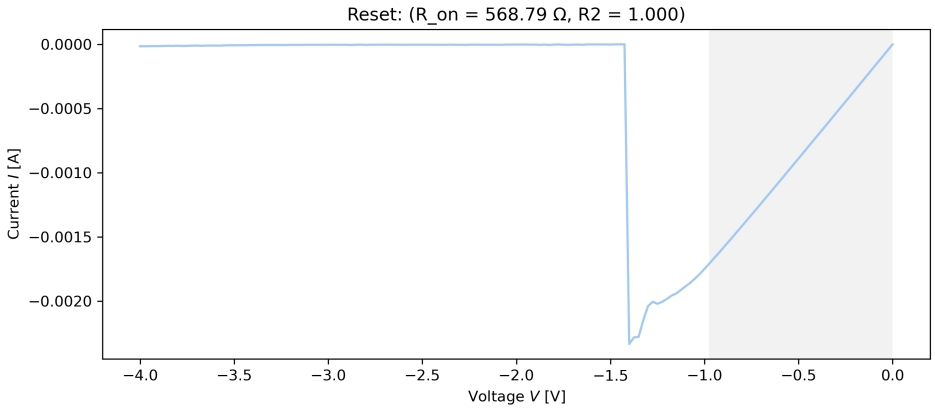
Set at 3.2 V



reset

- **Time:** 02:50:25PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.733 V/s*
- **Cycle:** 4
- **Resistance:** 568.79 Ω
- **Linear Fit R2:** 1.000

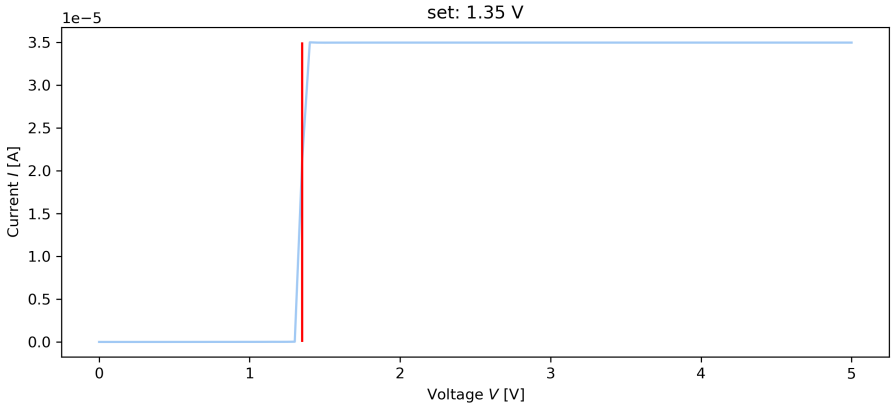
Still resets, so it's not burned out



set

- **Time:** 02:50:40PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 1.35 V

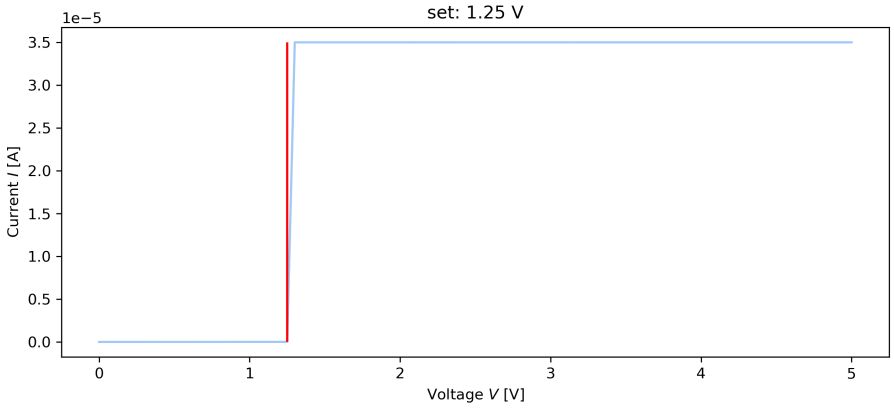
Set at 1.4 V, very low



set

- **Time:** 03:08:06PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 1.25 V

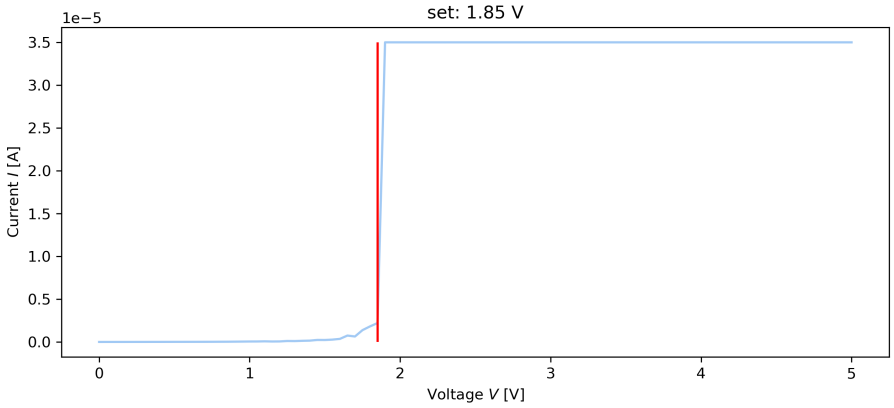
Set at low voltage



set

- **Time:** 03:13:50PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 5
- **Set Voltage:** 1.85 V

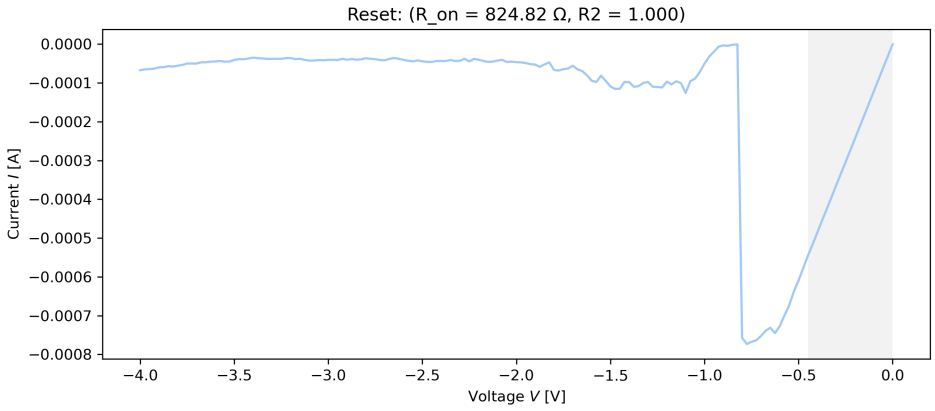
set



reset

- **Time:** 03:14:42PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.558 V/s*
- **Cycle:** 5
- **Resistance:** 824.82 Ω
- **Linear Fit R2:** 1.000

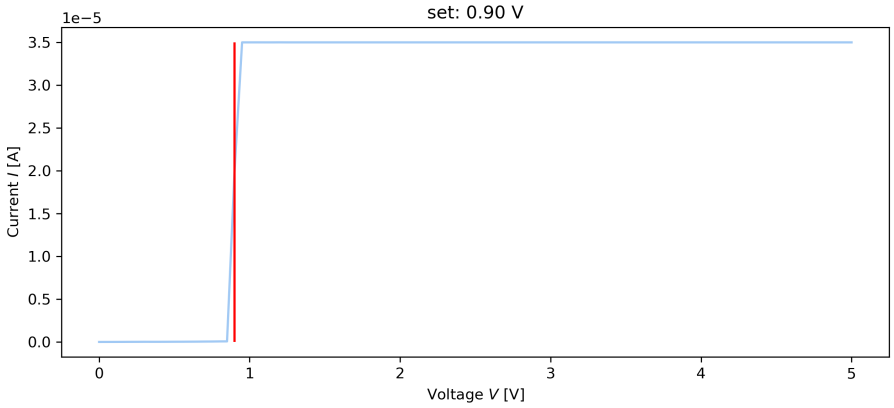
Reset not cleanly



set

- **Time:** 03:15:35PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.094 V/s*
- **Cycle:** 6
- **Set Voltage:** 0.90 V

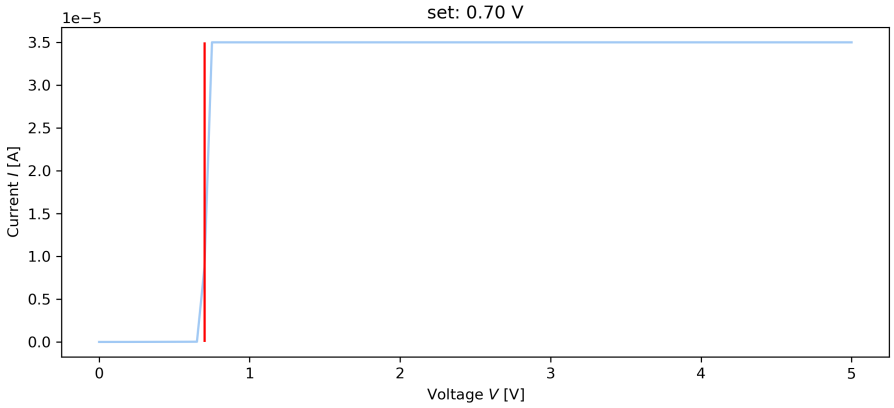
Low voltage



set

- **Time:** 03:16:33PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.202 V/s*
- **Cycle:** 6
- **Set Voltage:** 0.70 V

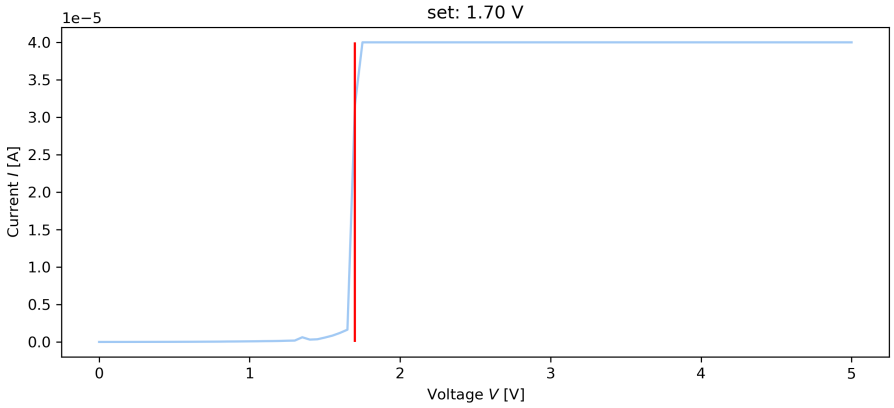
Low voltage



set

- **Time:** 03:18:01PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 6
- **Set Voltage:** 1.70 V

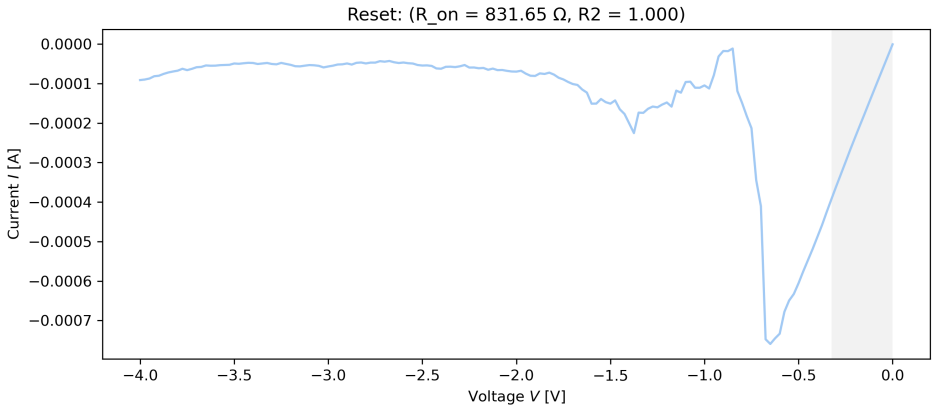
Set at higher voltage



reset

- **Time:** 03:18:41PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.558 V/s*
- **Cycle:** 6
- **Resistance:** 831.65 Ω
- **Linear Fit R2:** 1.000

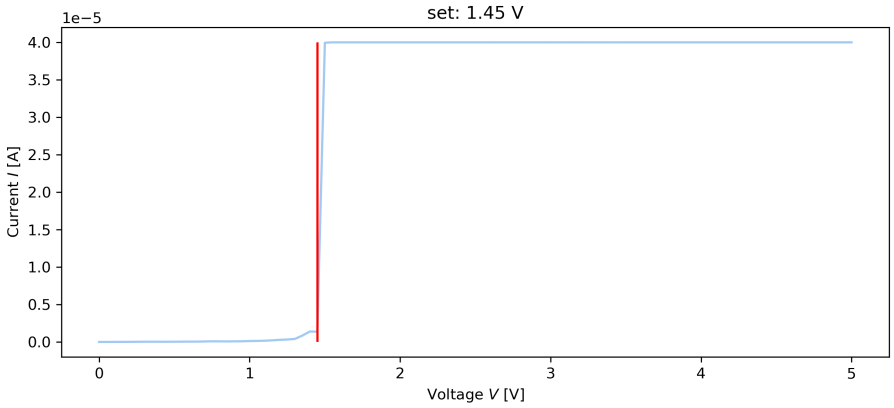
Still weird



set

- **Time:** 03:19:01PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.070 V/s*
- **Cycle:** 7
- **Set Voltage:** 1.45 V

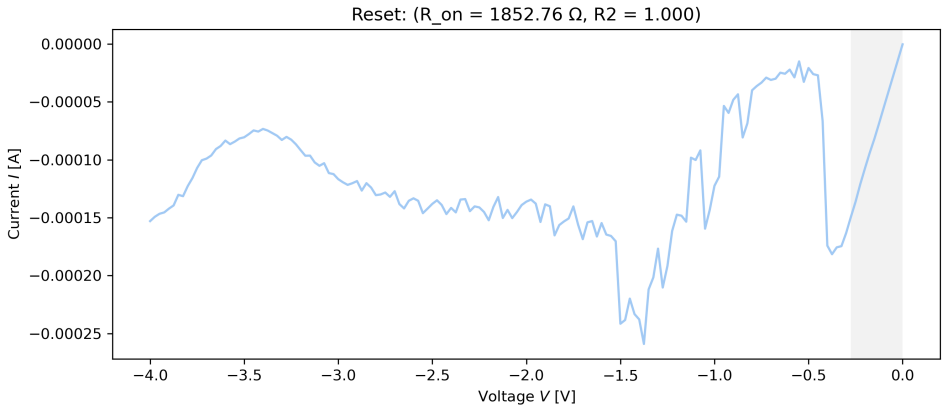
Still low voltage, Amrita thinks it's burned



reset

- **Time:** 03:28:44PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.553 V/s*
- **Cycle:** 7
- **Resistance:** 1852.76 Ω
- **Linear Fit R2:** 1.000

This cell is not working



set

- **Time:** 03:29:07PM
- **Icc:** 40.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.285 V/s*
- **Cycle:** 8
- **Set Voltage:** 1.60 V

Very strange