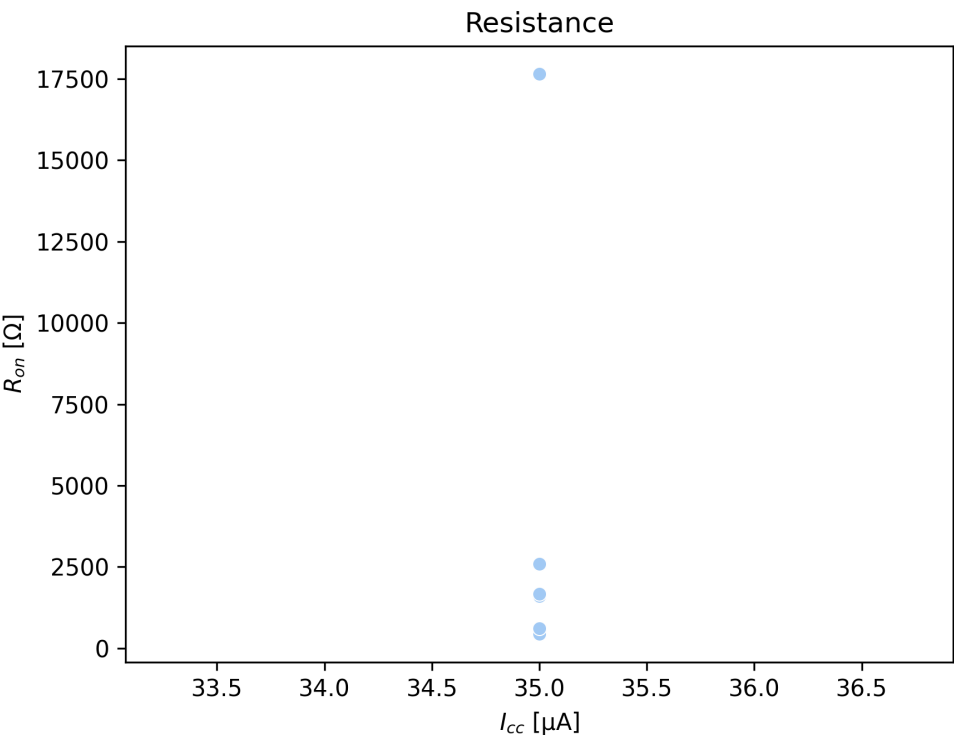


# (wafer2,0,7,-1,-1,0,2) Characteristics

- **Cell Size:** 10um
- **Times Accessed:** 19
- **Last Measurement:** 2022/March/28 at 04:22:30PM

## Summary

Cycle #	Set Icc (μA)	Set Voltage (V)	R_on (Ω)	R2
1	35.0	0.25	17651.61	0.995
2	35.0	4.65	470.70	1.000
3	35.0	4.65	435.52	1.000
4	35.0	4.50	603.01	1.000
5	35.0	4.50	1593.75	0.996
6	35.0	3.55	1676.34	0.995
7	35.0	3.40	2586.90	0.998
8	35.0	4.45	1911.68	0.978

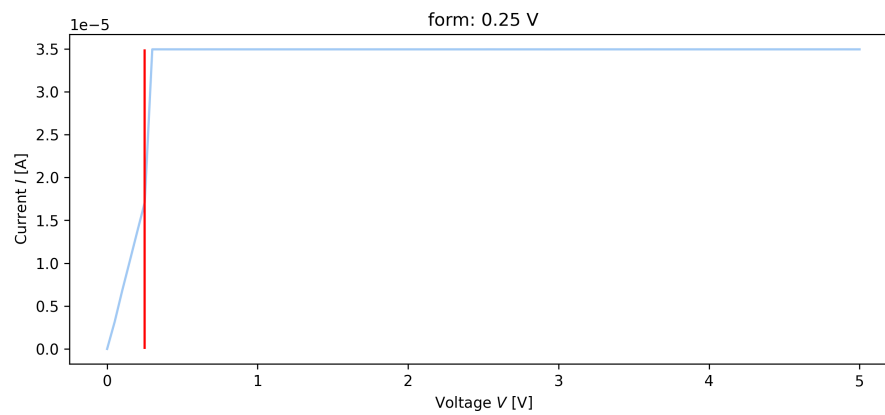


## form

---

- **Time:** 04:11:33PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.715 V/s\*
- **Cycle:** 1
- **Set Voltage:** 0.25 V

Formed at 0.3V, weird

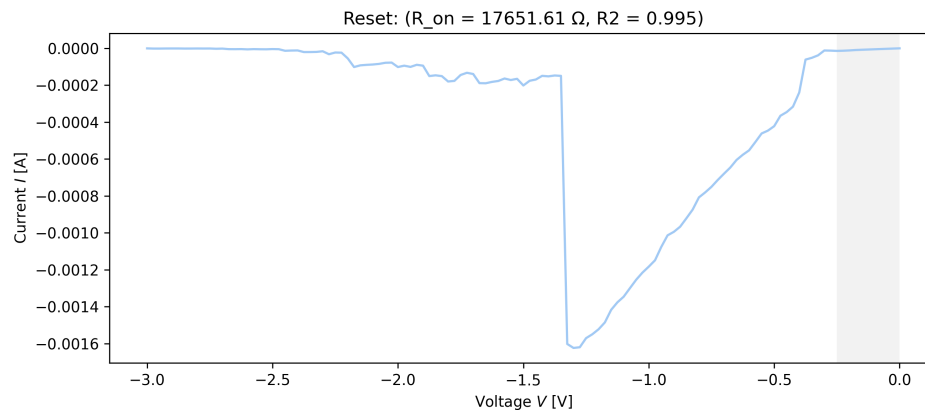


## reset

---

- **Time:** 04:12:51PM
- **I<sub>cc</sub>:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.607 V/s\*
- **Cycle:** 1
- **Resistance:** 17651.61  $\Omega$
- **Linear Fit R<sup>2</sup>:** 0.995

Reset

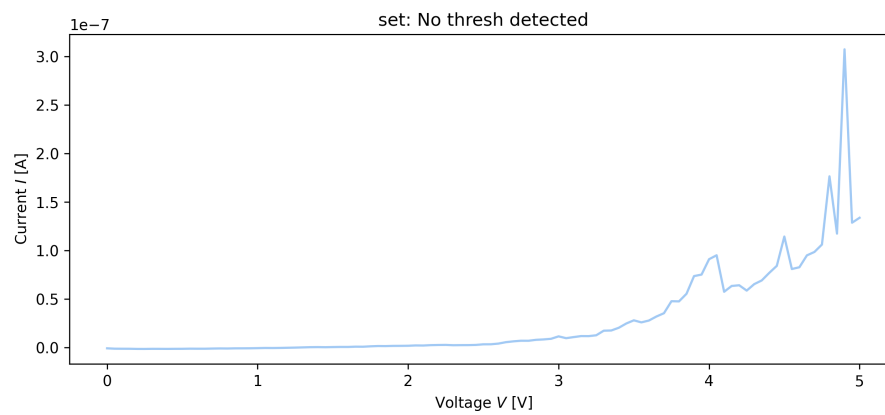


## set

---

- **Time:** 04:13:20PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 2
- **Error:** Set failed

Did Not Set

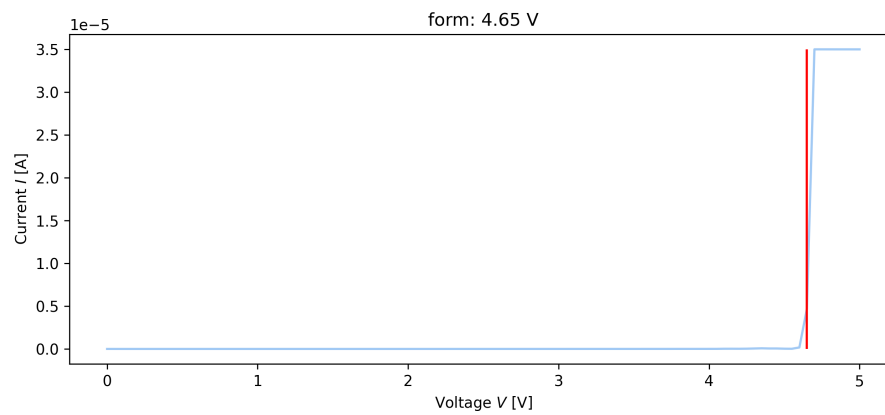


## form

---

- **Time:** 04:14:28PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 2
- **Set Voltage:** 4.65 V

formed at 4.7V

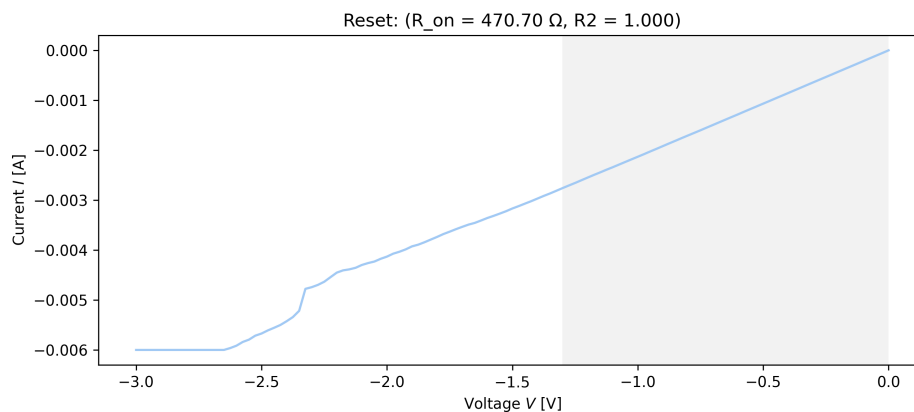


## reset

---

- **Time:** 04:15:25PM
- **I<sub>cc</sub>:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.765 V/s\*
- **Cycle:** 2
- **Resistance:** 470.70 Ω
- **Linear Fit R<sup>2</sup>:** 1.000

Did not reset

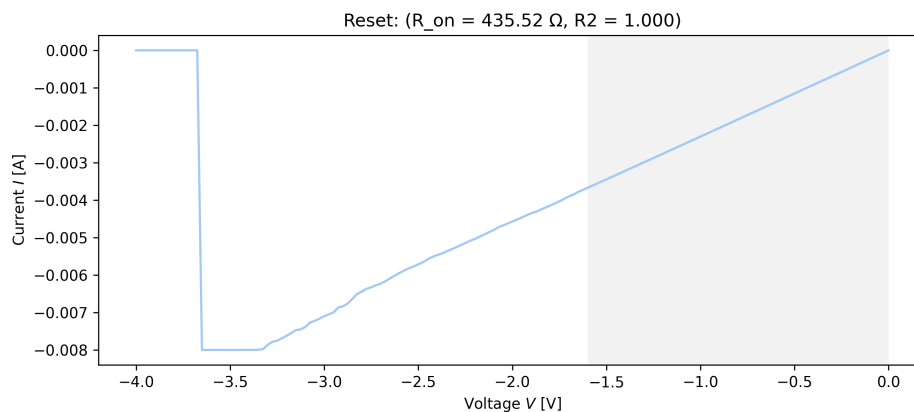


## reset

---

- **Time:** 04:15:52PM
- **I<sub>cc</sub>:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.776 V/s\*
- **Cycle:** 3
- **Resistance:** 435.52 Ω
- **Linear Fit R<sup>2</sup>:** 1.000

Did Reset

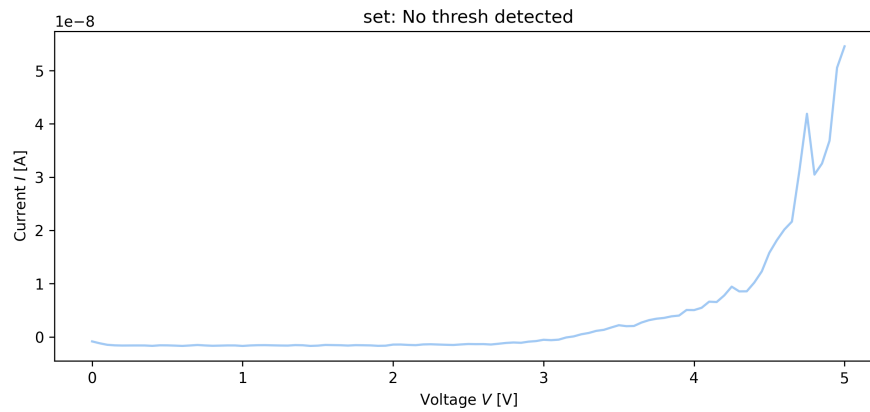


## set

---

- **Time:** 04:16:37PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 4
- **Error:** Set failed

Did not set



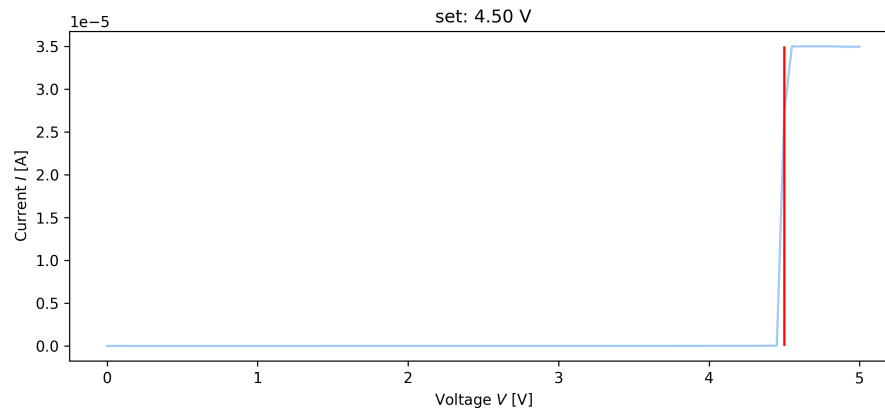


## set

---

- **Time:** 04:17:10PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 4
- **Set Voltage:** 4.50 V

Set at 4.55V

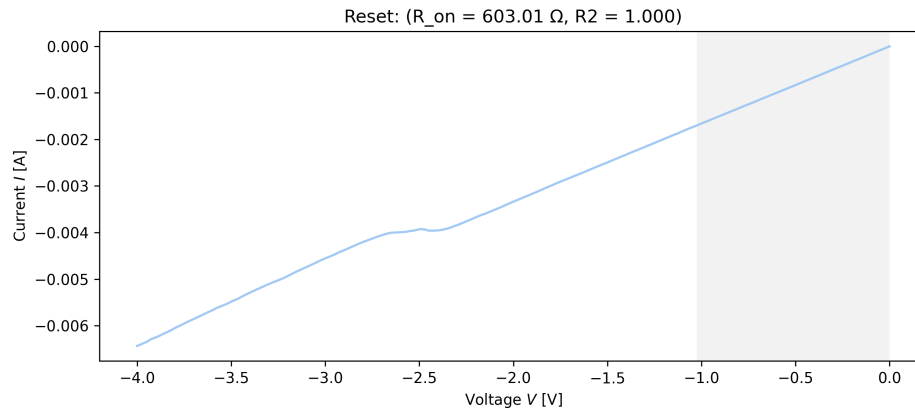


## reset

---

- **Time:** 04:17:34PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V  $\rightarrow$  -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.713 V/s\*
- **Cycle:** 4
- **Resistance:** 603.01  $\Omega$
- **Linear Fit R2:** 1.000

Did not reset

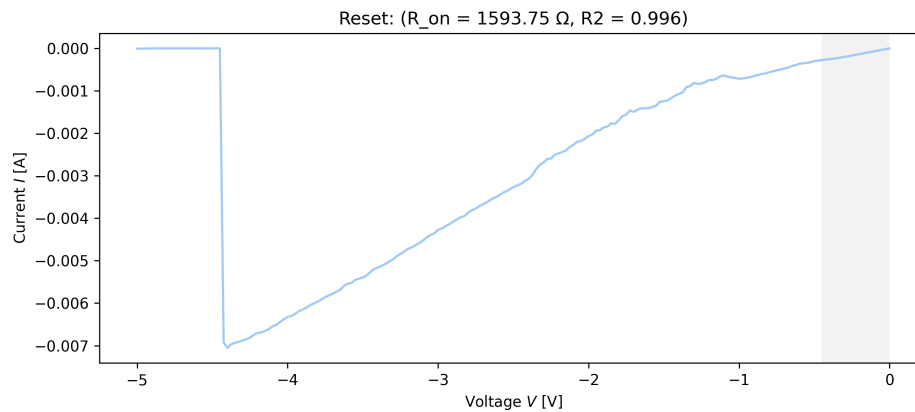


## reset

---

- **Time:** 04:18:21PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V  $\rightarrow$  -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s\*
- **Cycle:** 5
- **Resistance:** 1593.75  $\Omega$
- **Linear Fit R2:** 0.996

Did Reset, high reset voltage -4.45

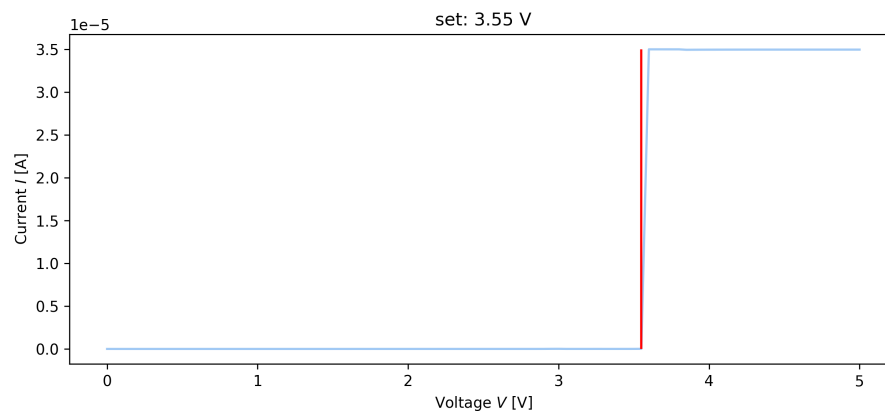


## set

---

- **Time:** 04:19:01PM
- **Icc:** 35.0uA
- **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 3.6V

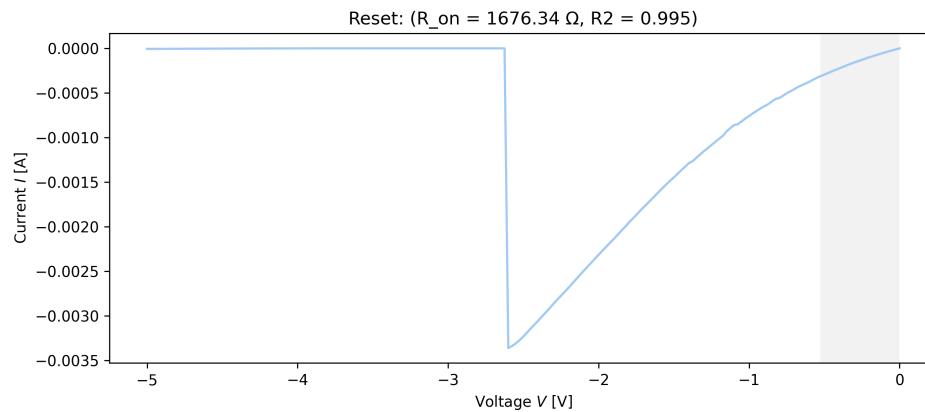


## reset

---

- **Time:** 04:19:28PM
- **I<sub>cc</sub>:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.559 V/s\*
- **Cycle:** 6
- **Resistance:** 1676.34  $\Omega$
- **Linear Fit R<sup>2</sup>:** 0.995

Did Reset at good voltage

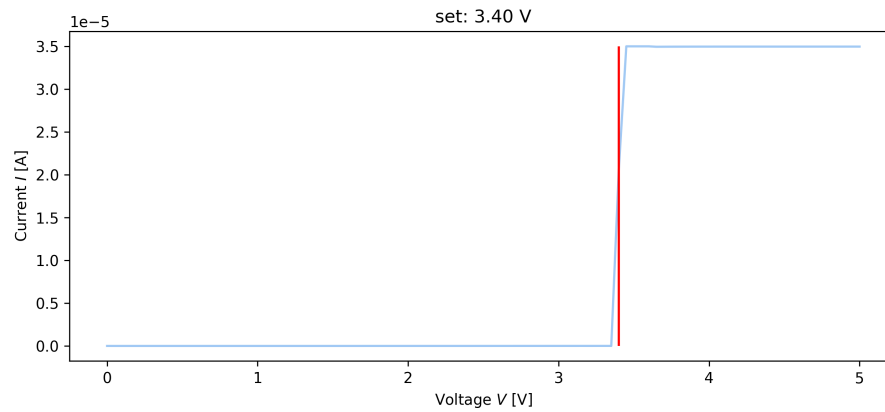


## set

---

- **Time:** 04:19:56PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 7
- **Set Voltage:** 3.40 V

Set at 3.45V

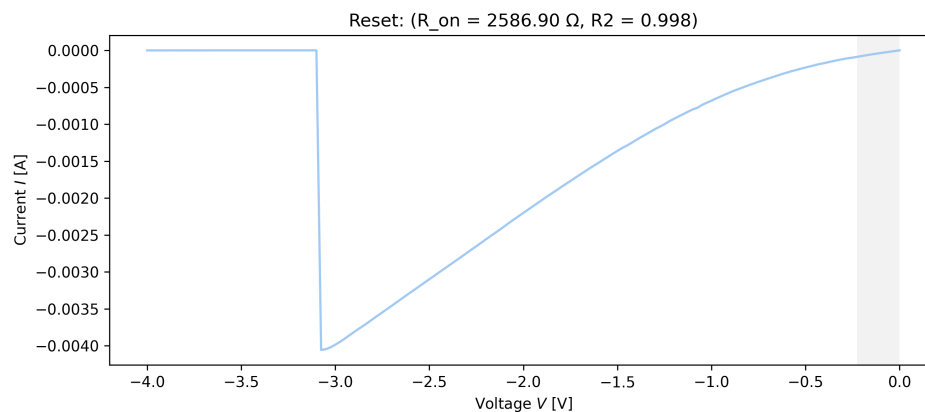


## reset

---

- **Time:** 04:20:58PM
- **I<sub>cc</sub>:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.558 V/s\*
- **Cycle:** 7
- **Resistance:** 2586.90 Ω
- **Linear Fit R<sup>2</sup>:** 0.998

Reset successfully

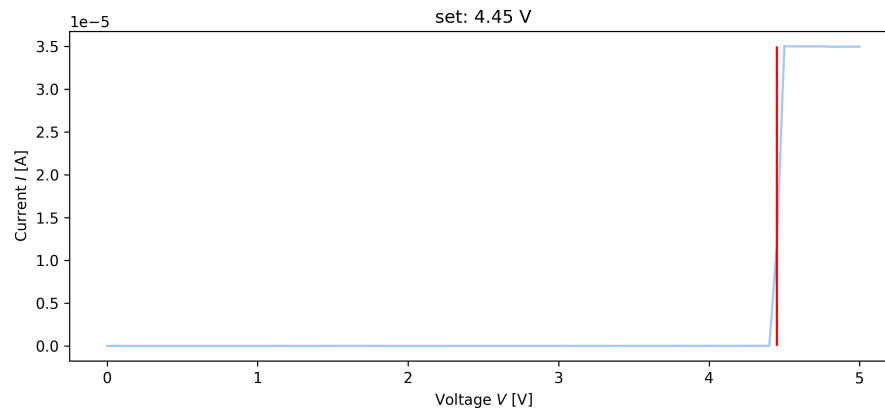


## set

---

- **Time:** 04:21:40PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 8
- **Set Voltage:** 4.45 V

set at 4.5V



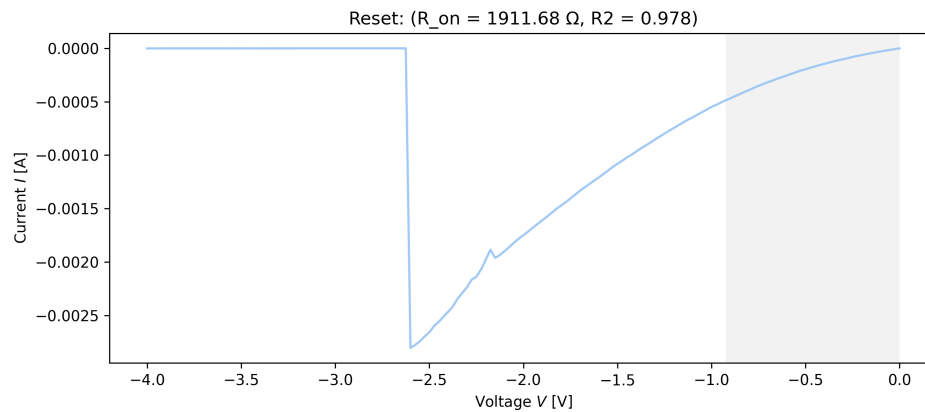


## reset

---

- **Time:** 04:22:14PM
- **I<sub>cc</sub>:** 6.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.557 V/s\*
- **Cycle:** 8
- **Resistance:** 1911.68 Ω
- **Linear Fit R<sup>2</sup>:** 0.978

Reset successfully



## set

---

- **Time:** 04:22:30PM
- **Icc:** 35.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s\*
- **Cycle:** 9
- **Set Voltage:** 3.95 V

set at 4V

