

## (device,2,0,-1,-1,4,4) Plots and Summary

- Cell Size = 15um
- Number of Times Accessed = 26
- Last Stimulated = 2022/March/01 at 03:26:18PM

-----  
Stimulated at 02:57:08PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

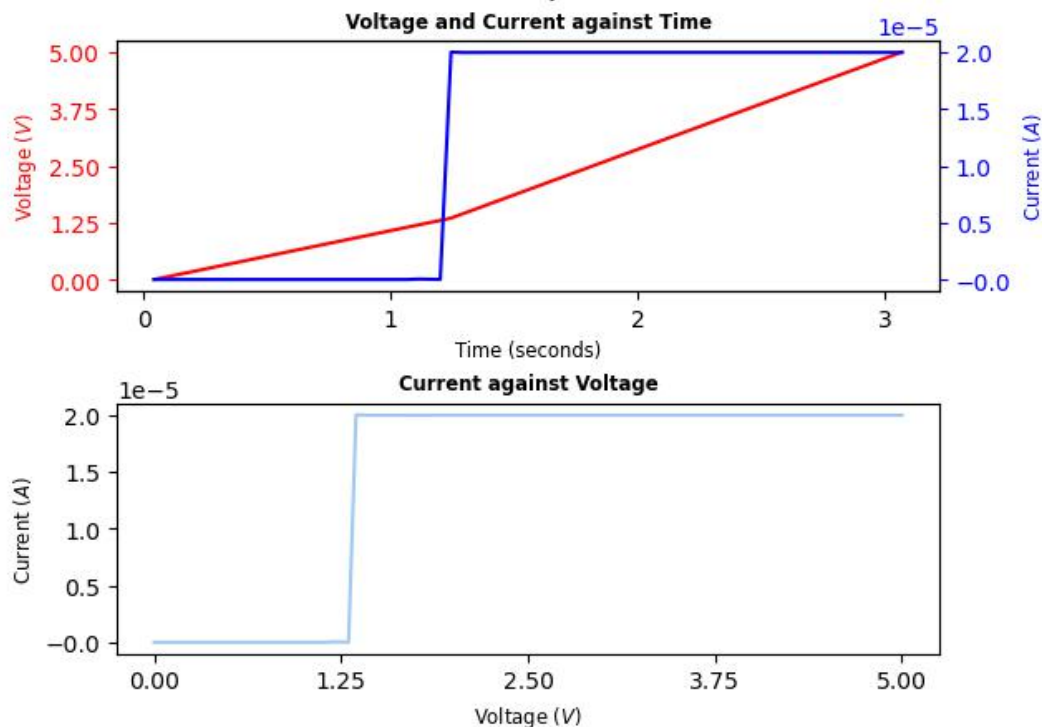
Platinum Voltage =

Copper Voltage =

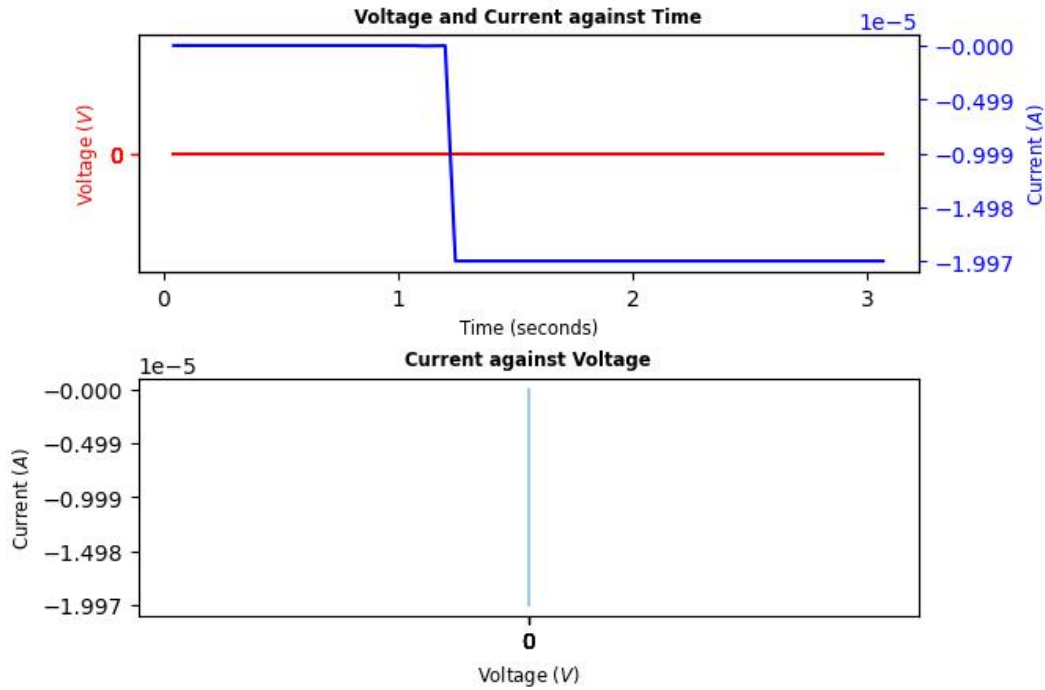
Run Folder Name = <2 probe, so invalid>

Comments = Form\* at 1.35 V. Too flimsy and reset after due to bad probe connection

### Probe A plots



## Probe B plots



-----  
Stimulated at 02:58:34PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

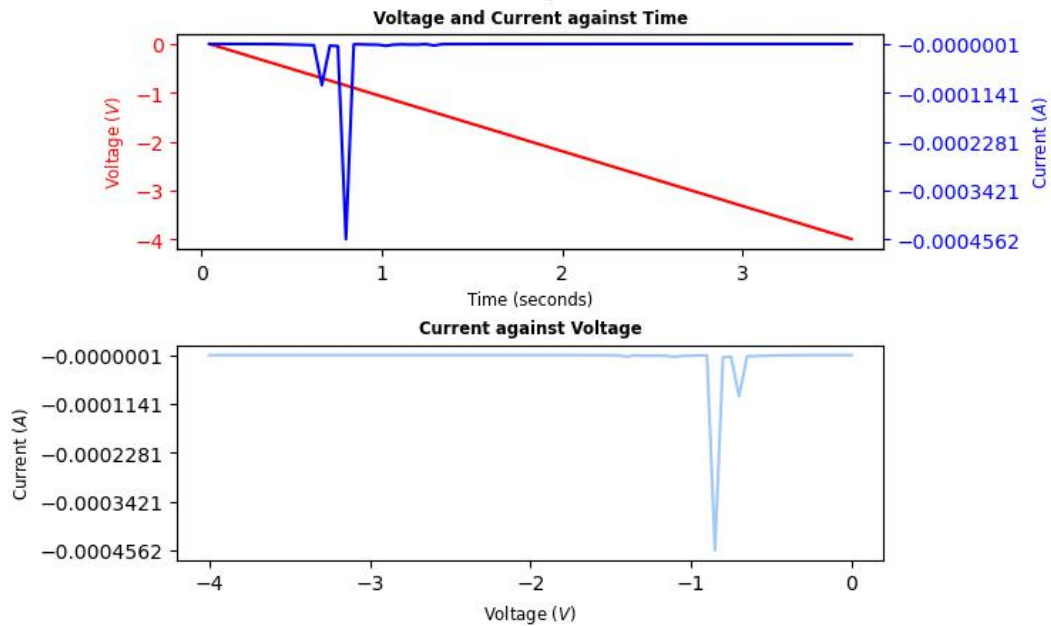
Platinum Voltage =

Copper Voltage =

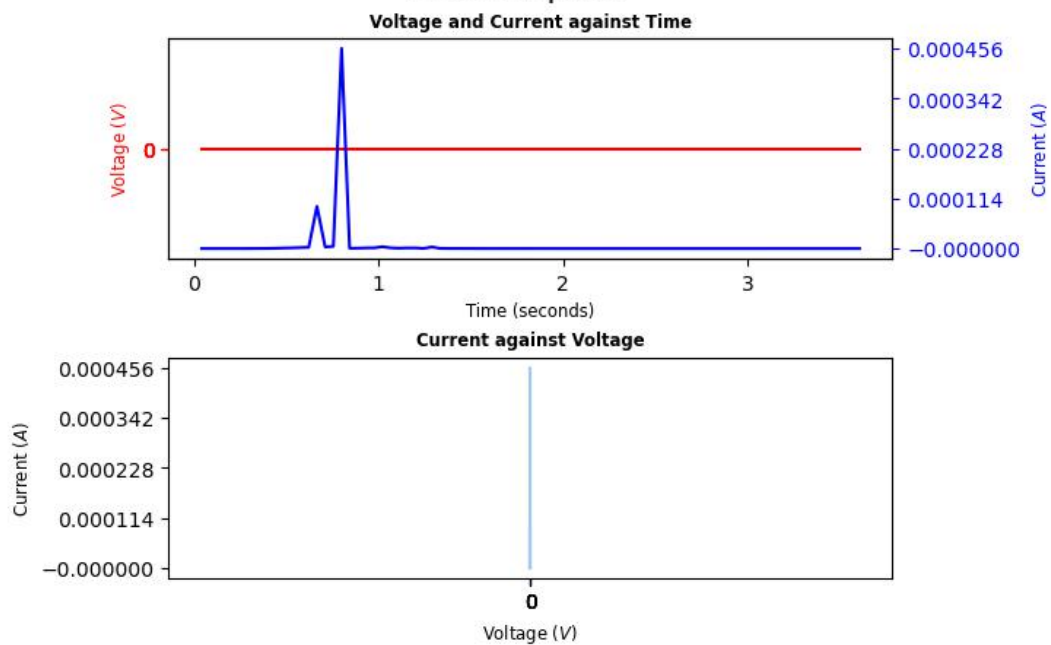
Run Folder Name = <2 probe, so invalid>

Comments = Cell did not conduct

## Probe A plots



## Probe B plots



-----  
 Stimulated at 02:59:24PM on 2022/March/01

Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

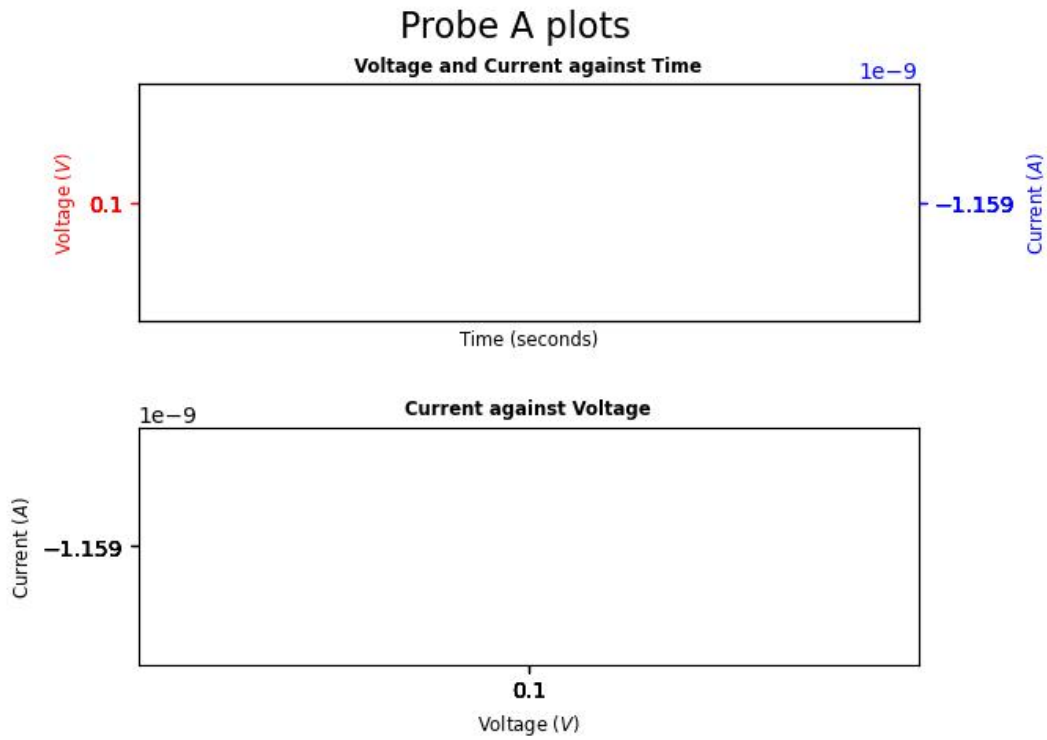
Compliance Current = 20.0uA

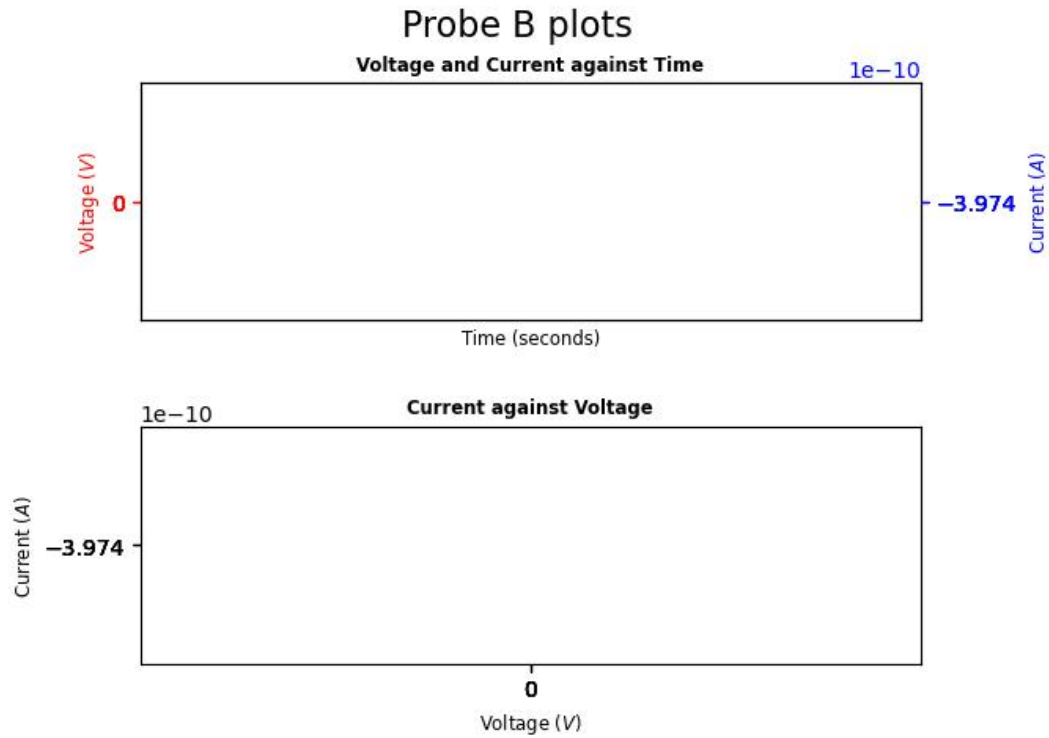
Platinum Voltage = 0V

Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = State: RESET





-----  
Stimulated at 03:00:01PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

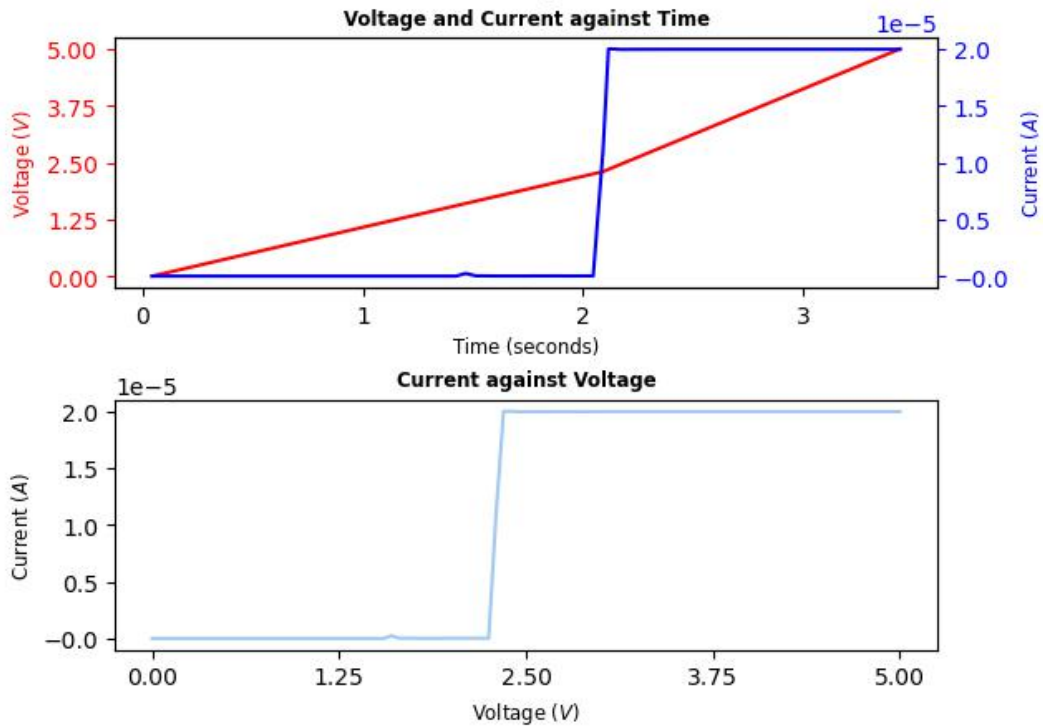
Platinum Voltage =

Copper Voltage =

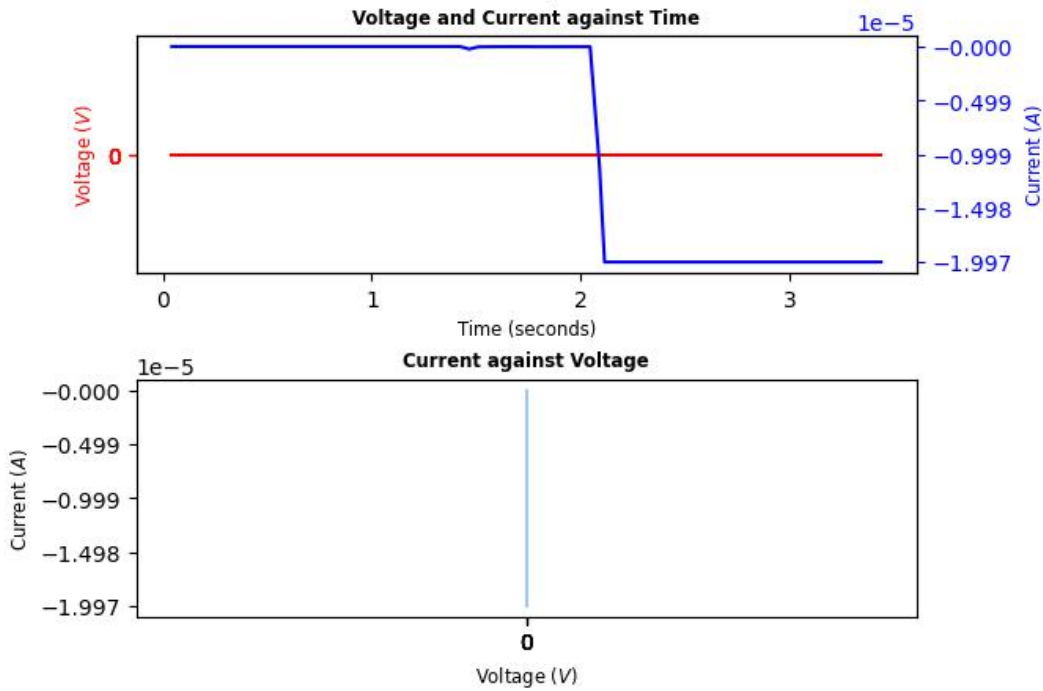
Run Folder Name = <2 probe, so invalid>

Comments = Form\* at 2.3 V. Too flimsy and reset after due to bad probe connection

## Probe A plots



## Probe B plots



Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

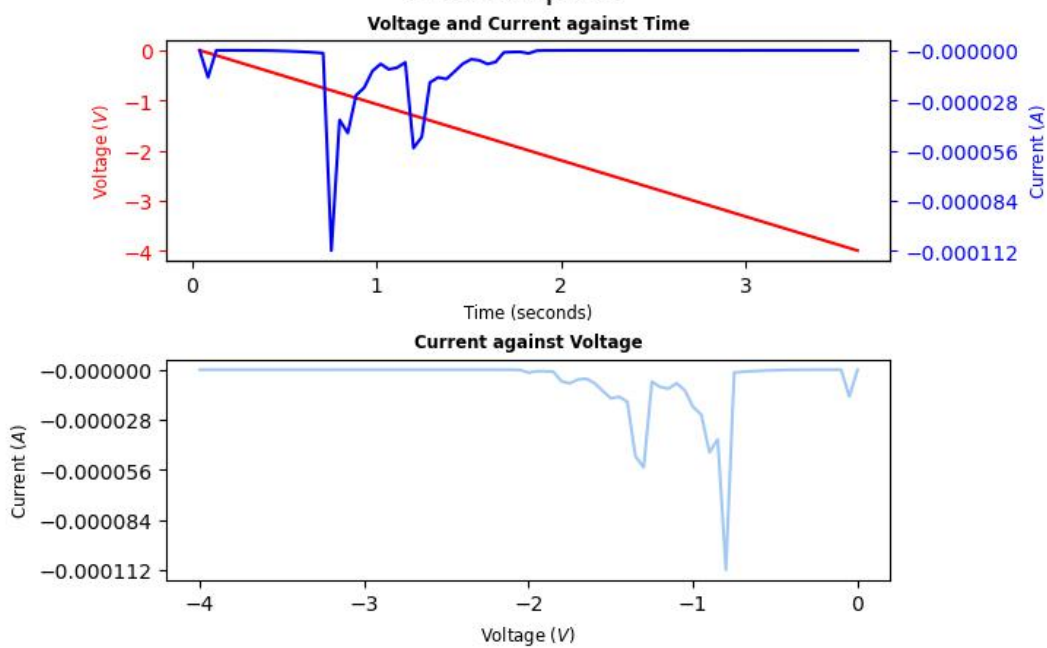
Platinum Voltage =

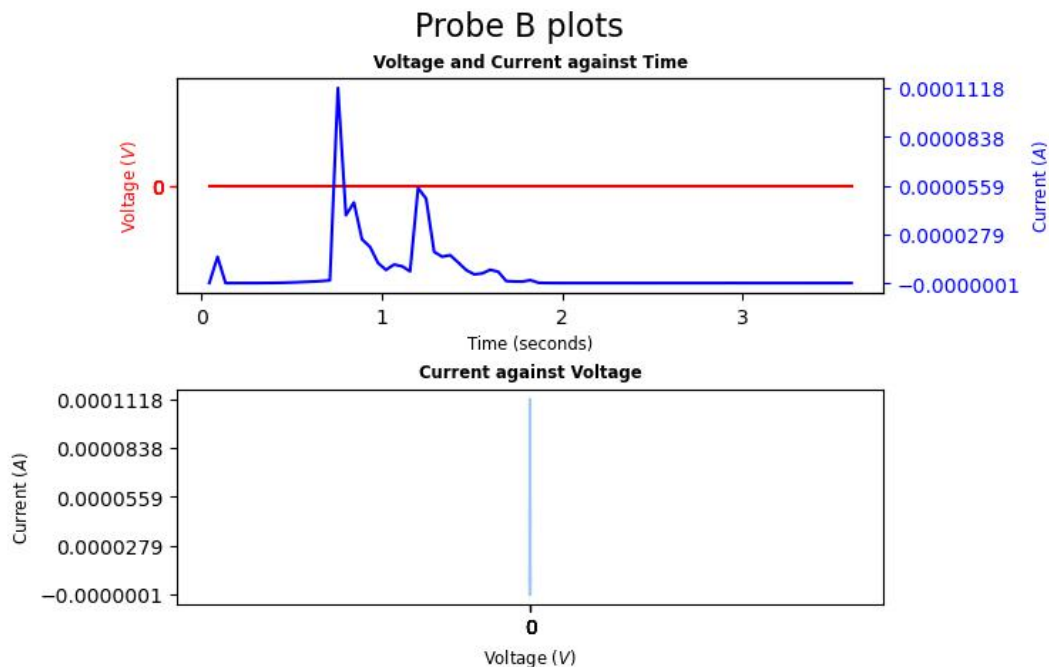
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Wild reset graph. Probe connection issues

### Probe A plots





-----  
 Stimulated at 03:01:49PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 25.0uA

Platinum Voltage =

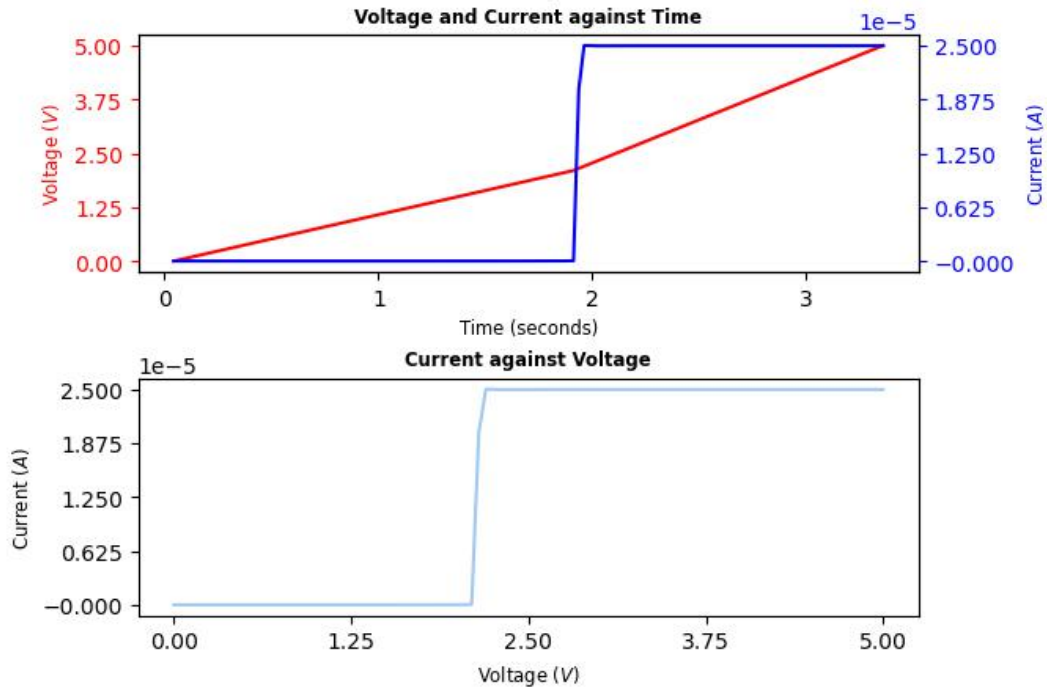
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

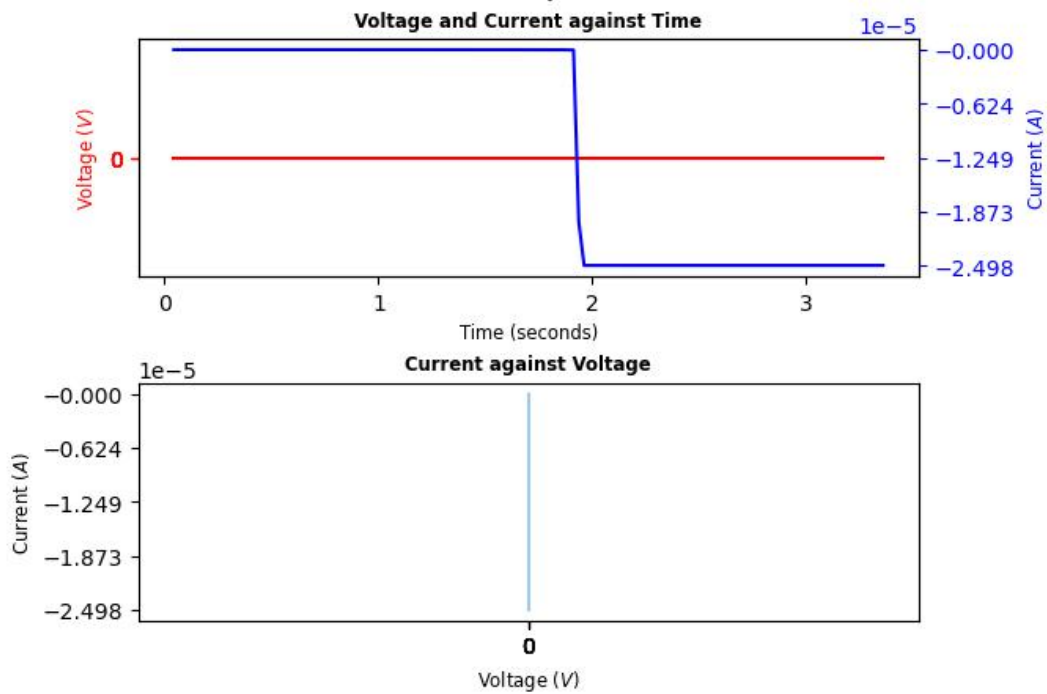
Comments = Form\* at 2.2 V. Too flimsy and reset after due to bad probe connection



## Probe A plots



## Probe B plots



-----  
Stimulated at 03:02:52PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -3V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

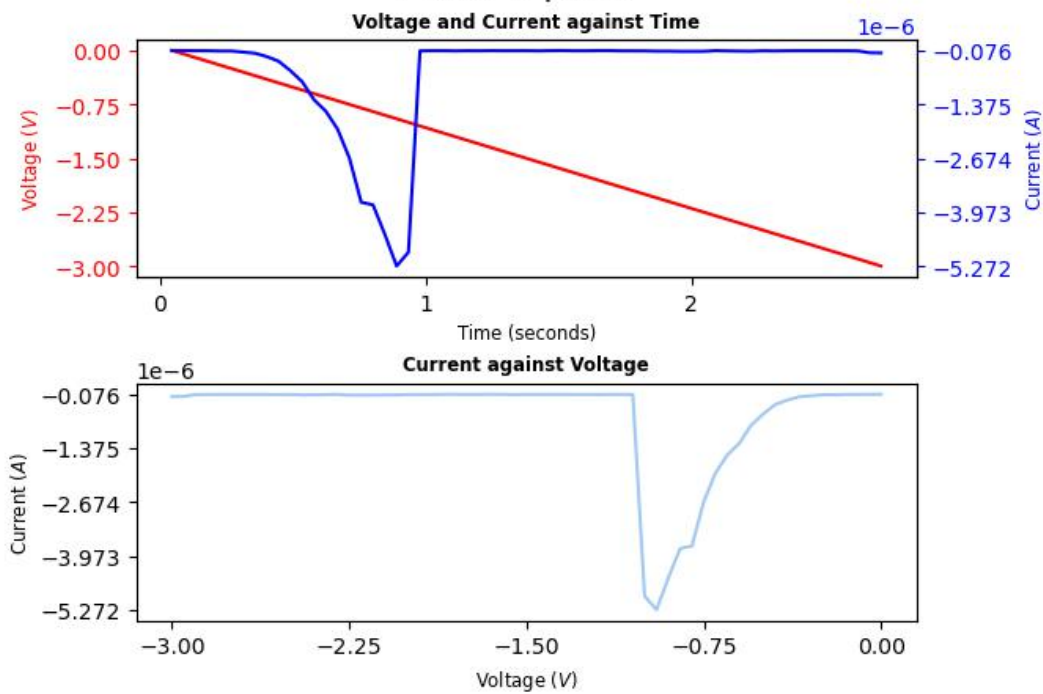
Platinum Voltage =

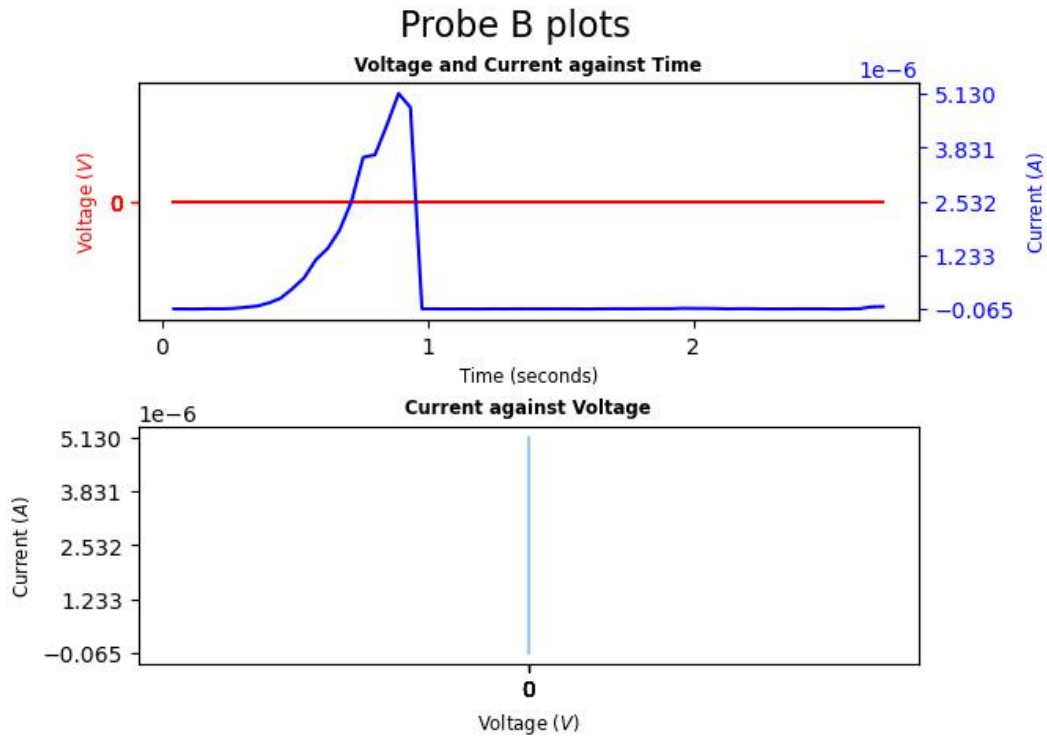
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Reset at -1.05 V, but had non-ohmic behavior leading up to reset

### Probe A plots





-----  
 Stimulated at 03:03:52PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 25.0uA

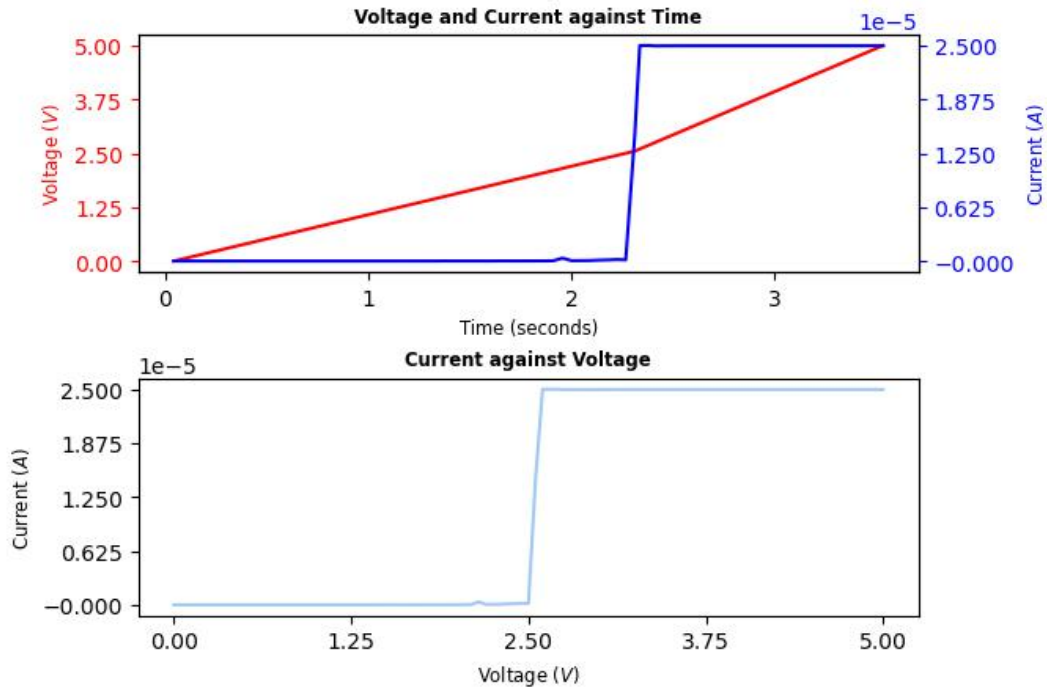
Platinum Voltage =

Copper Voltage =

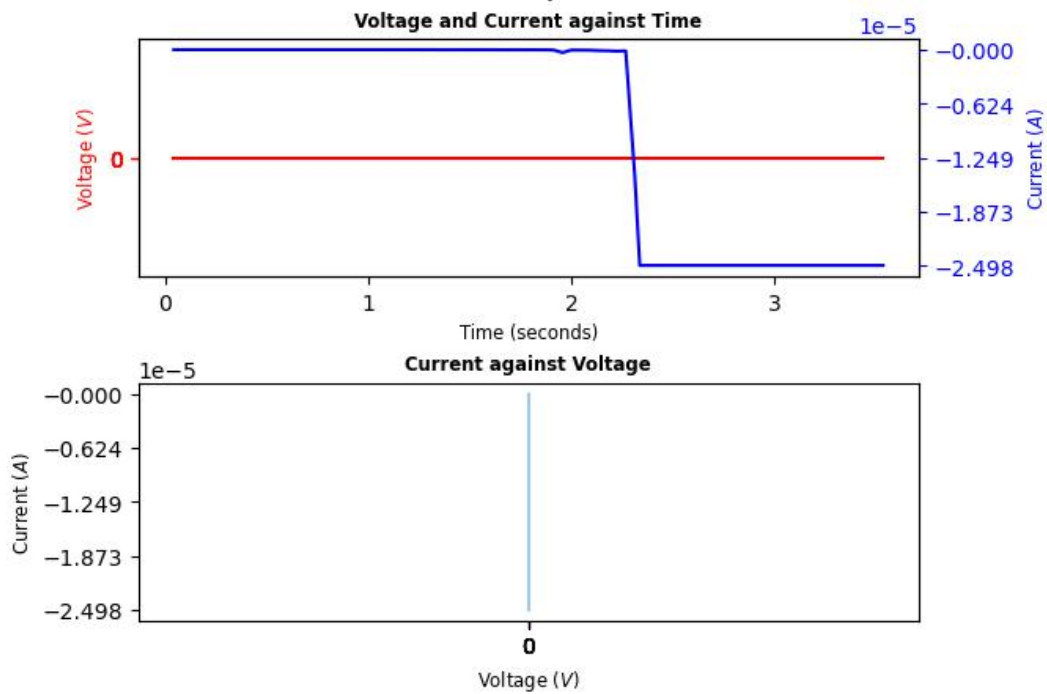
Run Folder Name = <2 probe, so invalid>

Comments = Form\* at 2.6 V. Too flimsy and reset after due to bad probe connection

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:04:57PM on 2022/March/01

Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

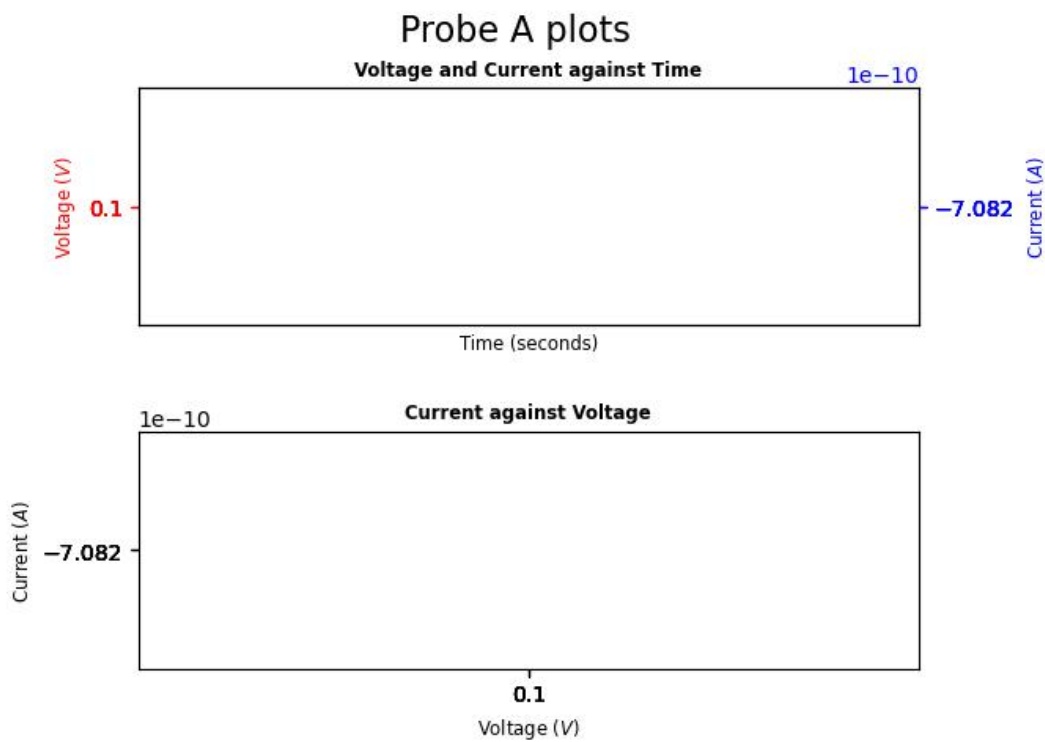
Compliance Current = 25.0uA

Platinum Voltage = 0V

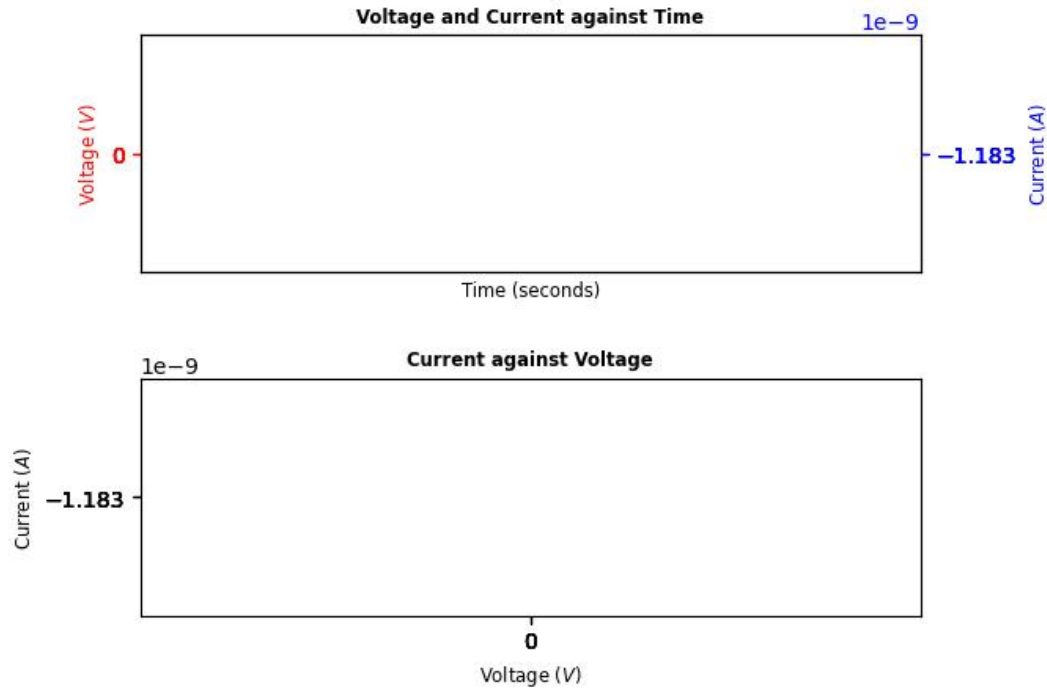
Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = State: RESET



## Probe B plots



-----  
Stimulated at 03:06:05PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 30.0uA

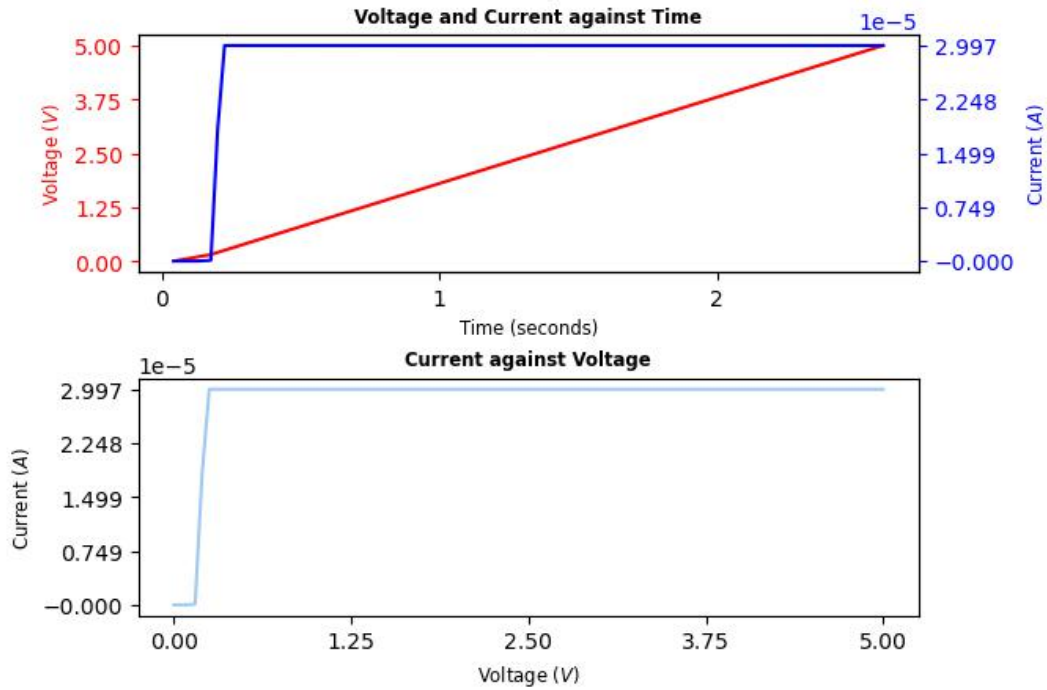
Platinum Voltage =

Copper Voltage =

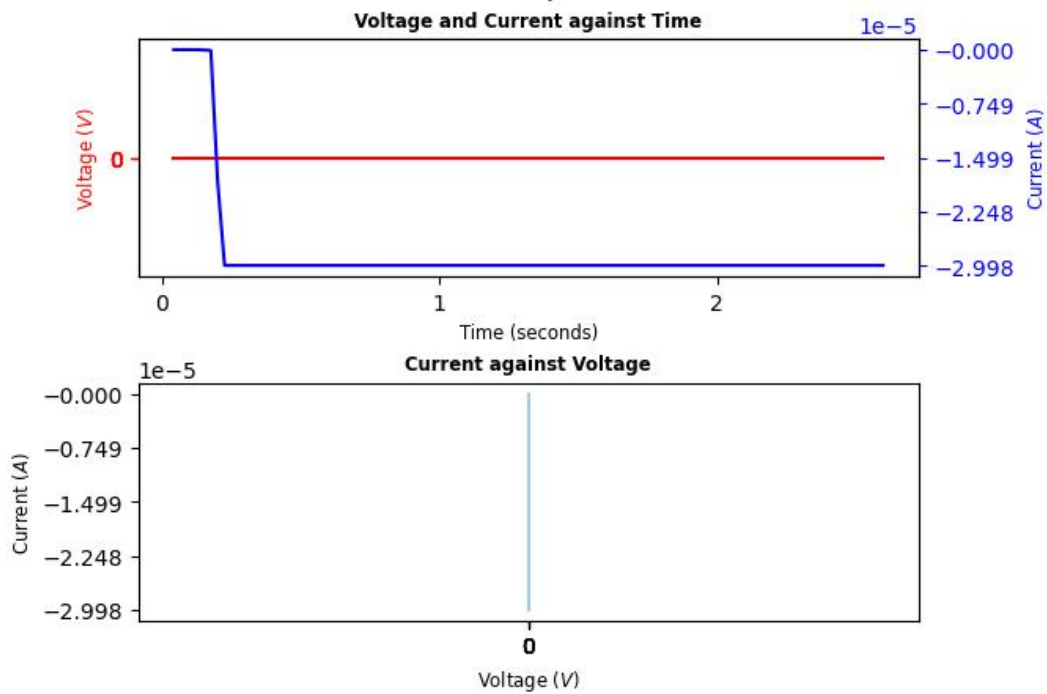
Run Folder Name = <2 probe, so invalid>

Comments = Form\* at 0.25 V, very early

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:06:46PM on 2022/March/01

Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

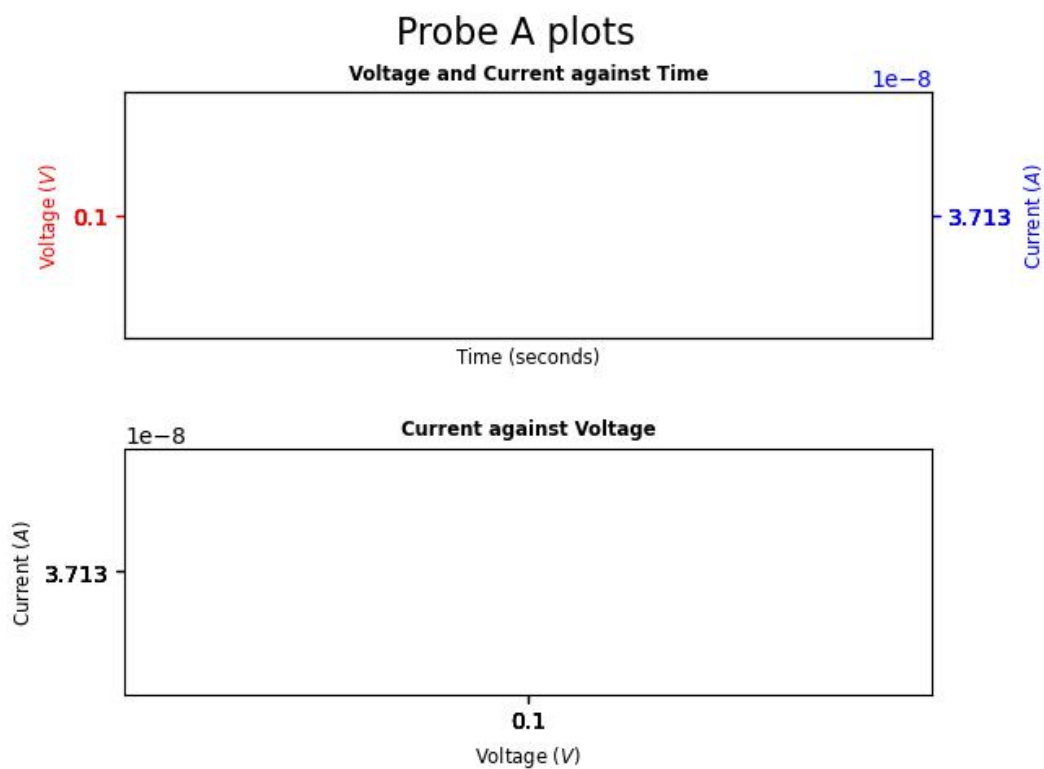
Compliance Current = 30.0uA

Platinum Voltage = 0V

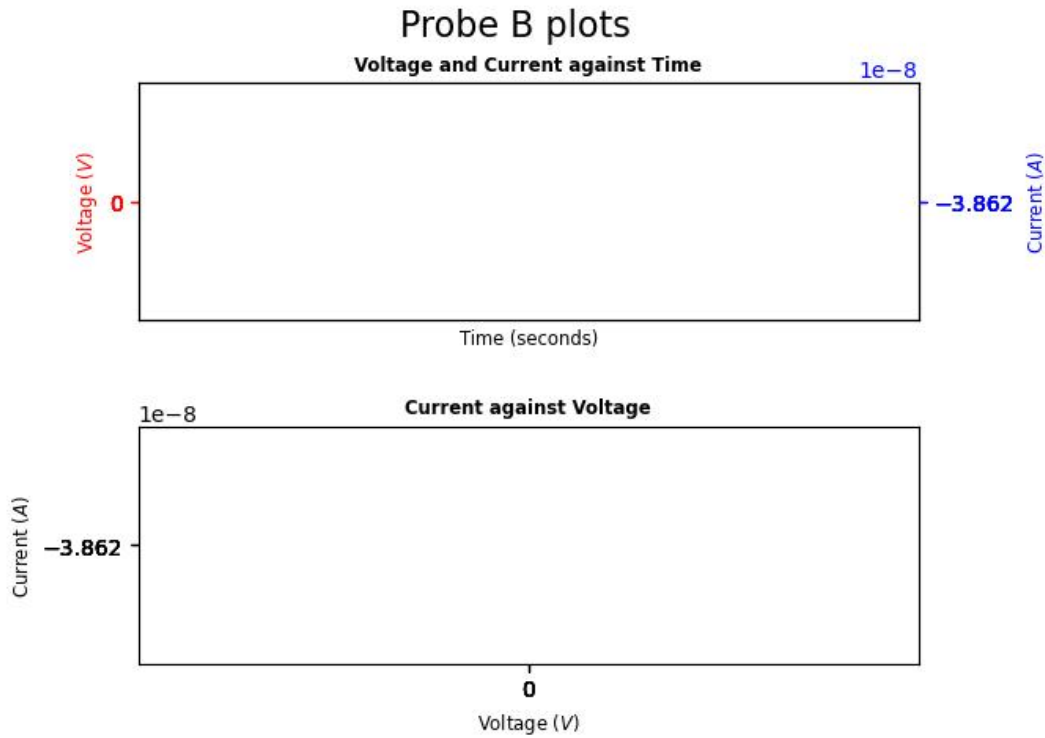
Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = State: RESET







-----  
Stimulated at 03:10:31PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

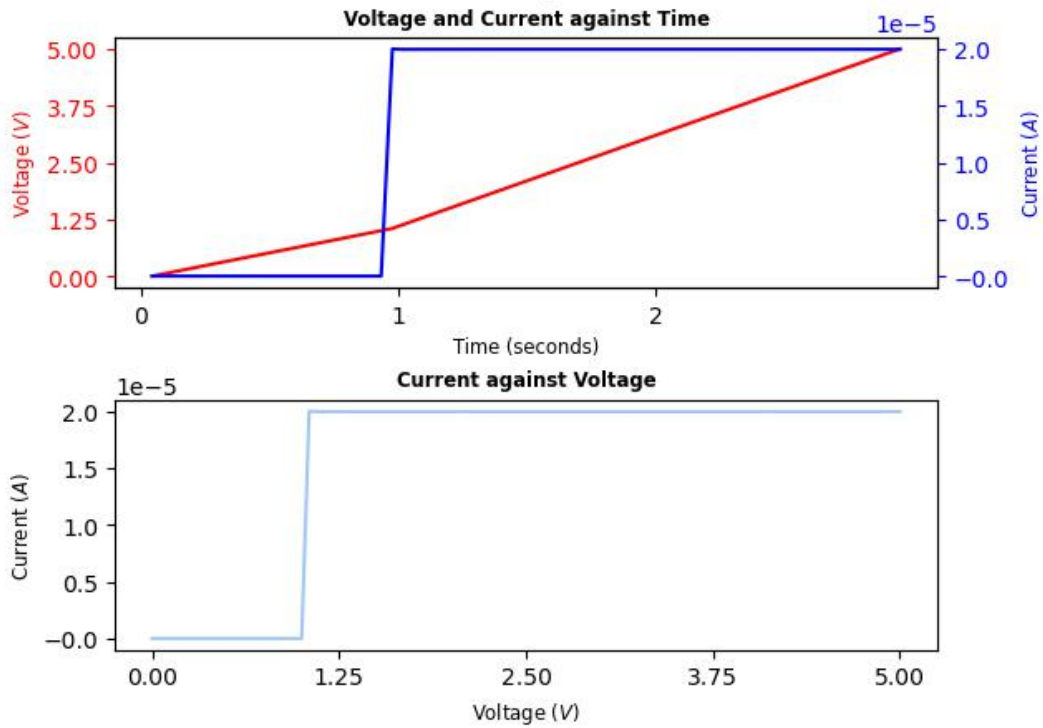
Platinum Voltage =

Copper Voltage =

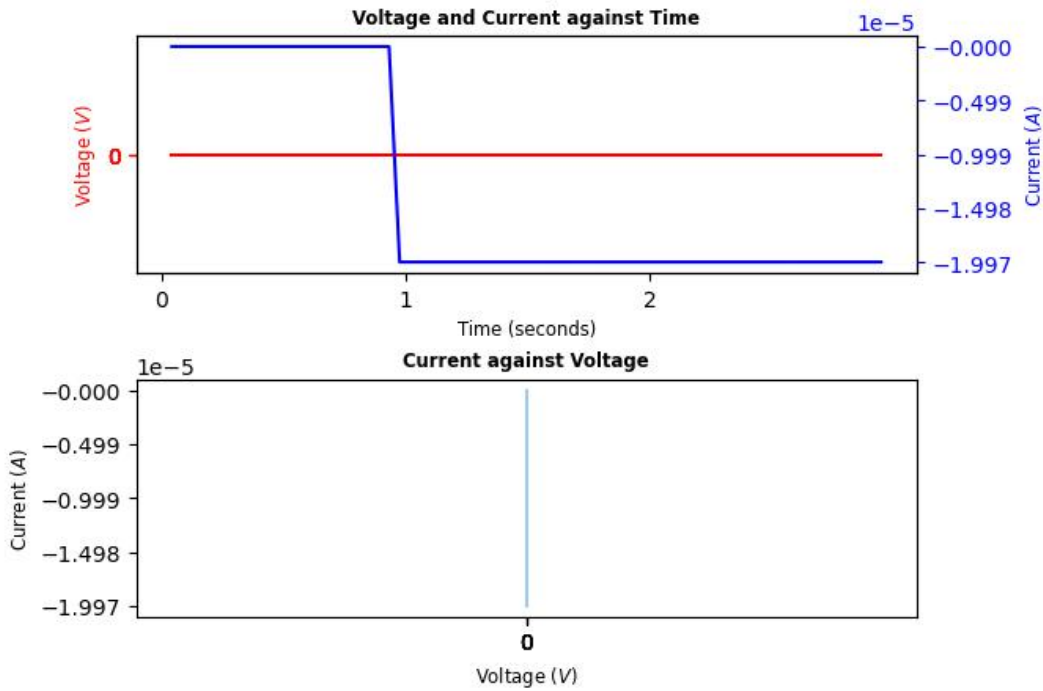
Run Folder Name = <2 probe, so invalid>

Comments = Form at 1.05 V after replacing probes

## Probe A plots



## Probe B plots



Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

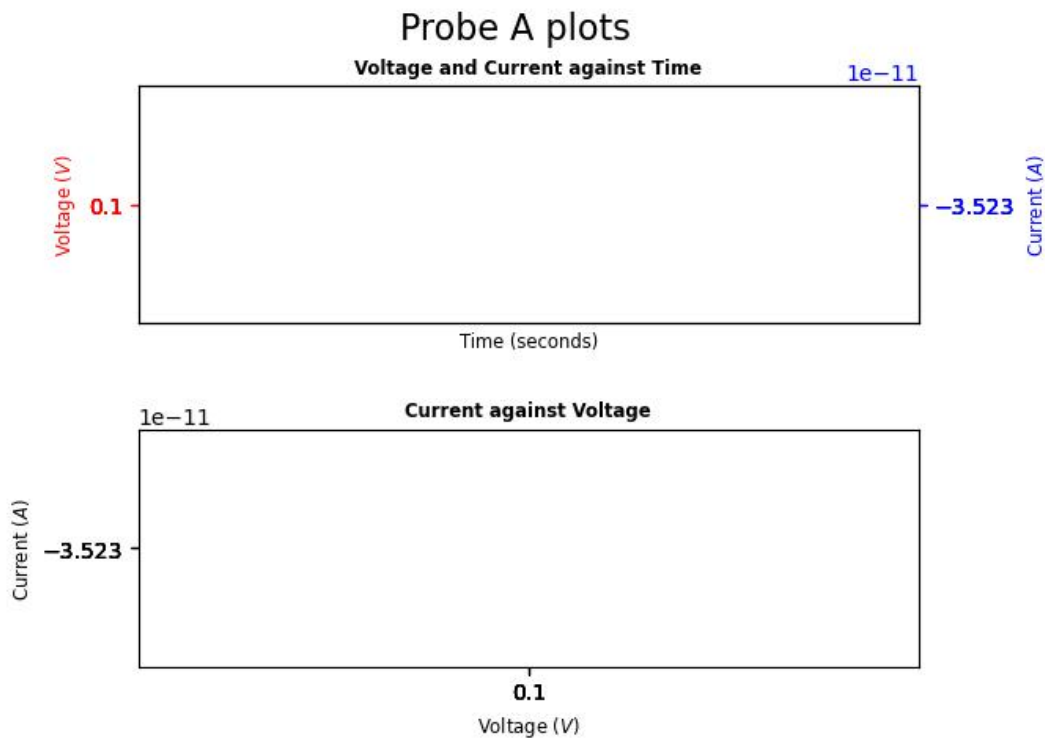
Compliance Current = 30.0uA

Platinum Voltage = 0V

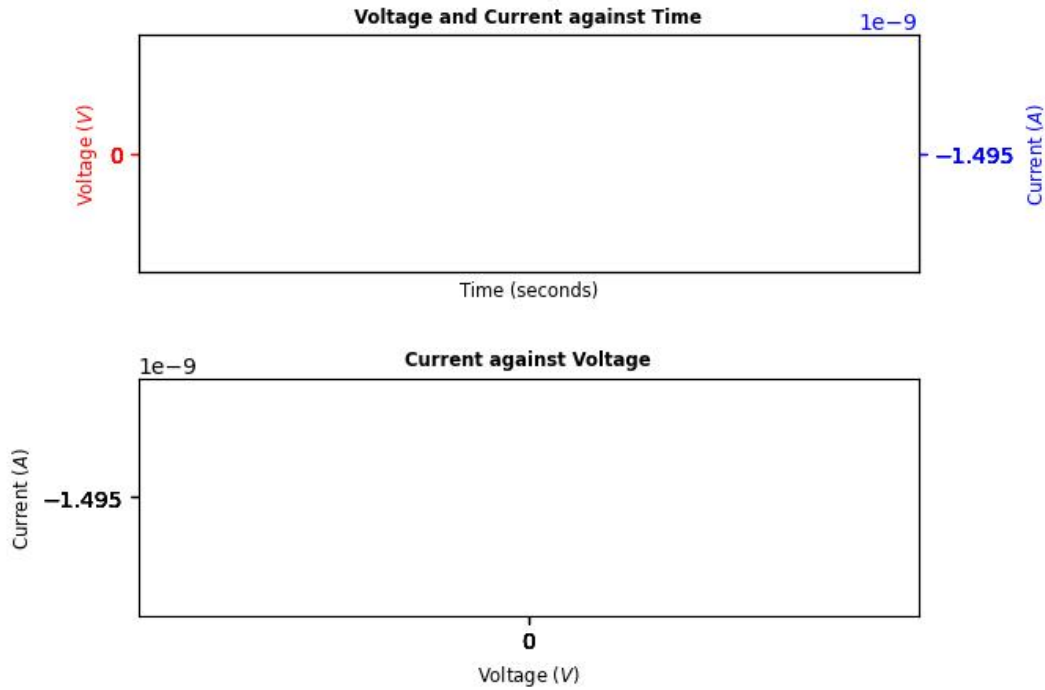
Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = State: RESET



## Probe B plots



-----  
Stimulated at 03:12:21PM on 2022/March/01

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

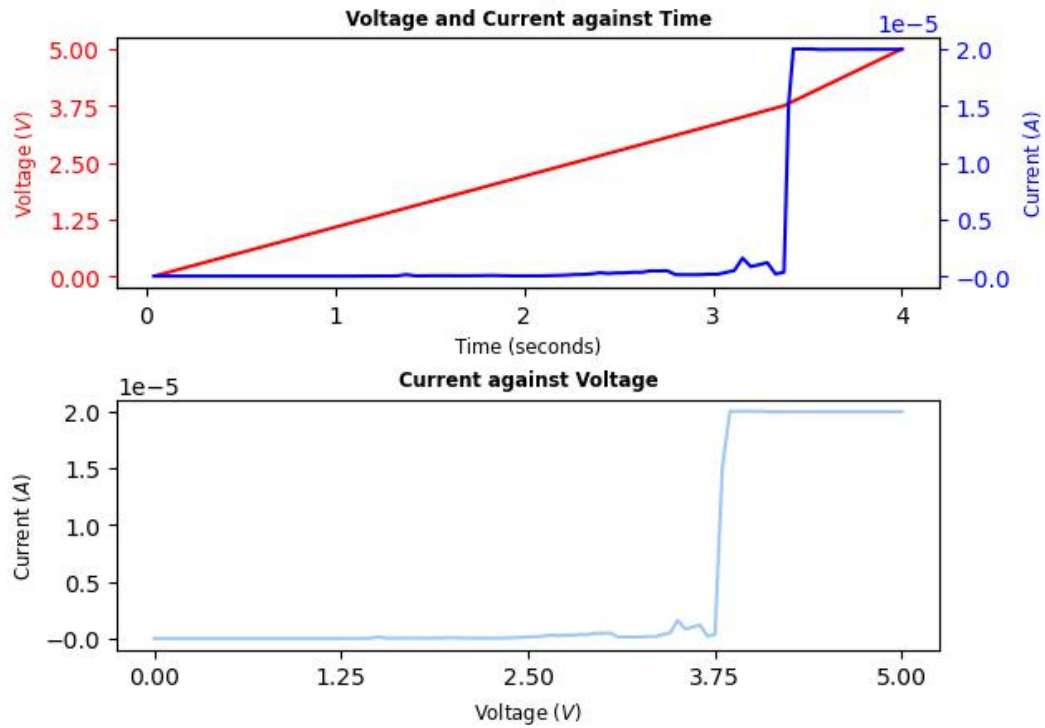
Platinum Voltage =

Copper Voltage =

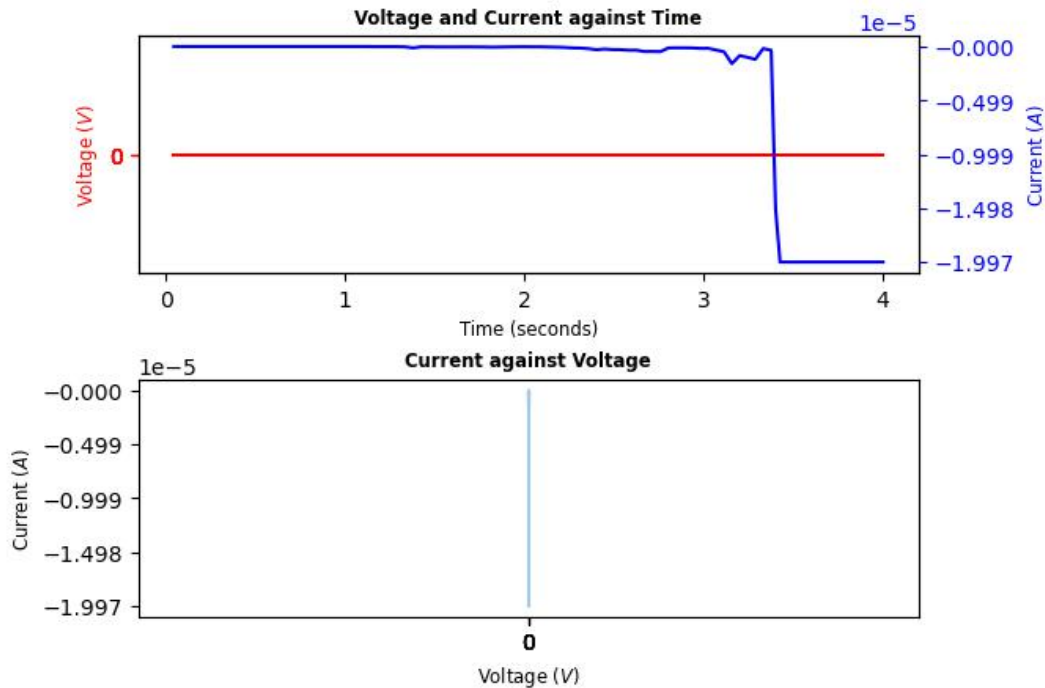
Run Folder Name = <2 probe, so invalid>

Comments = Form\* at 3.85 V

## Probe A plots



## Probe B plots



Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

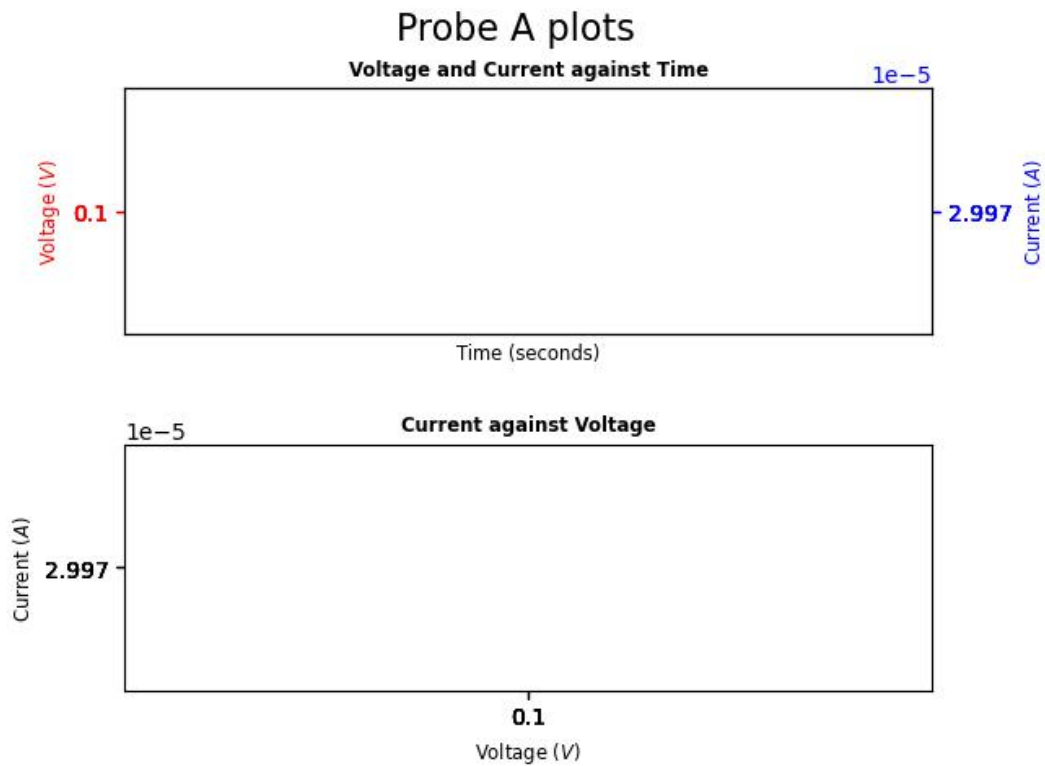
Compliance Current = 30.0uA

Platinum Voltage = 0V

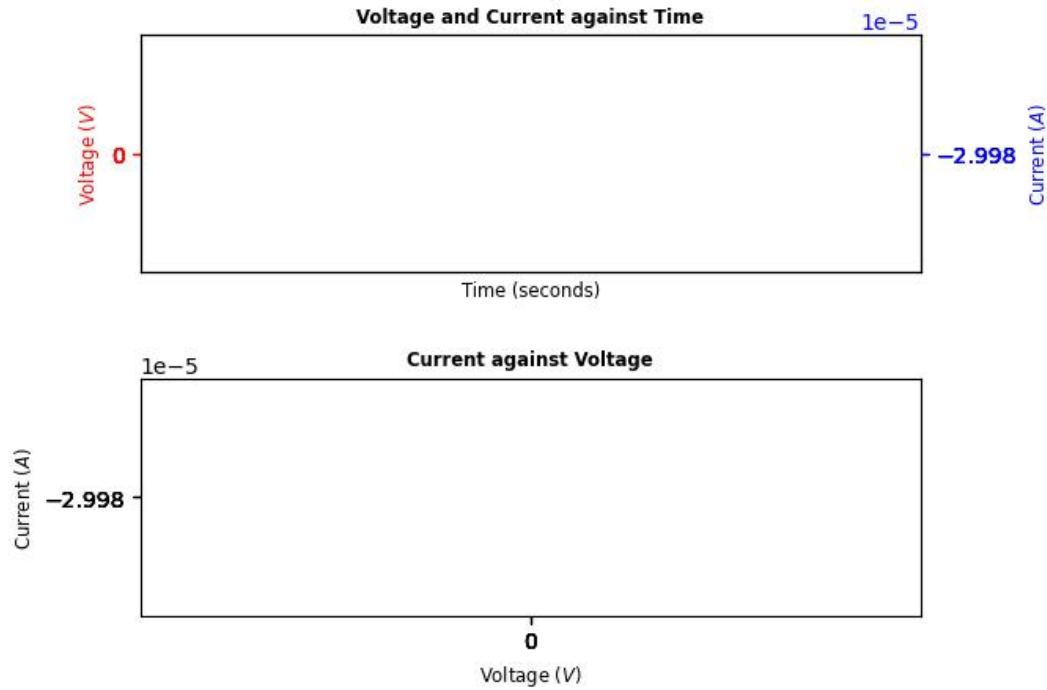
Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = State: SET



## Probe B plots



-----  
Stimulated at 03:15:33PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

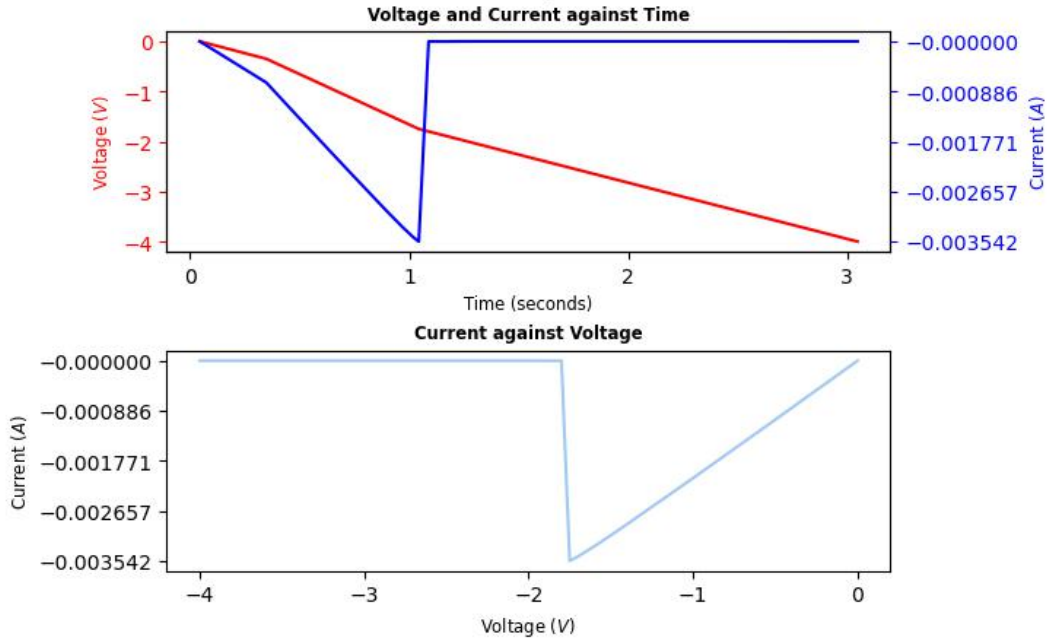
Platinum Voltage =

Copper Voltage =

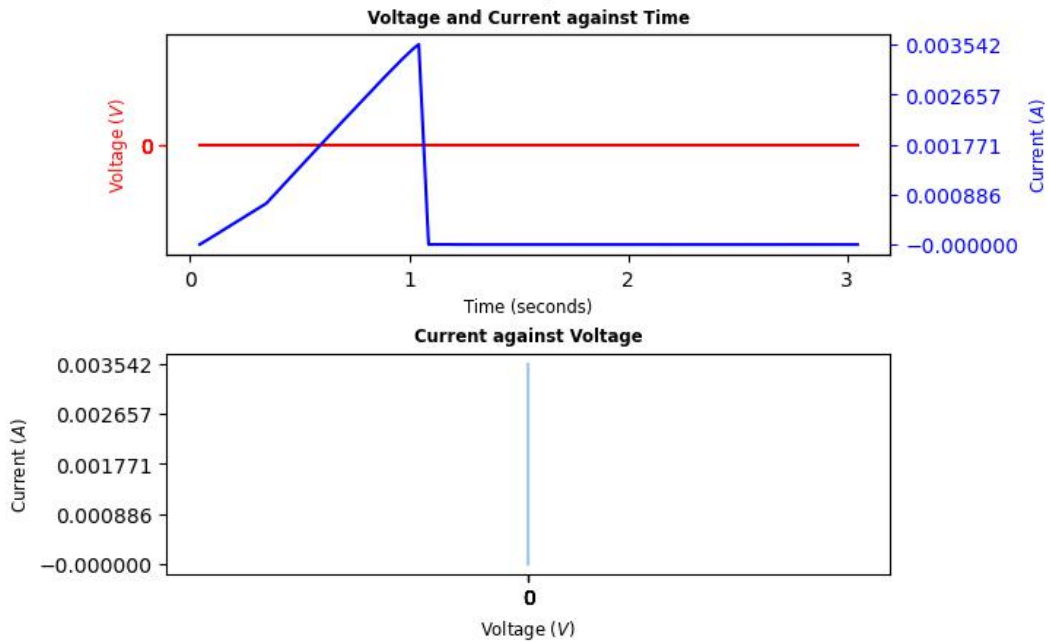
Run Folder Name = <2 probe, so invalid>

Comments = Reset at -1.8 V

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:18:00PM on 2022/March/01

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s



Compliance Current = 20.0uA

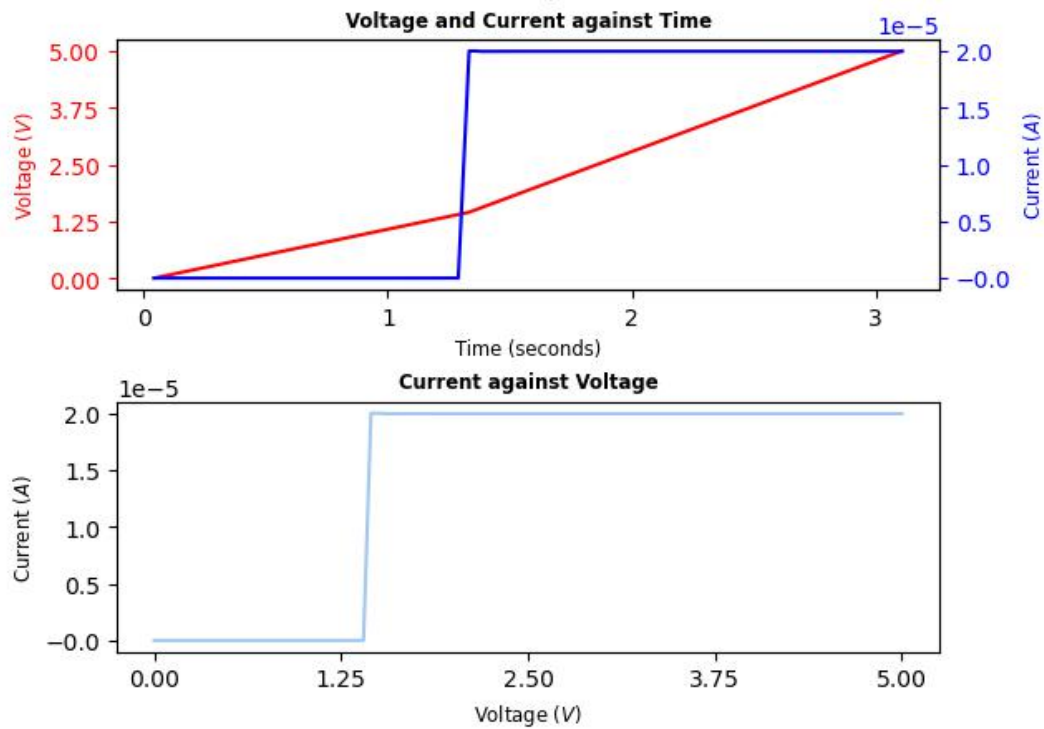
Platinum Voltage =

Copper Voltage =

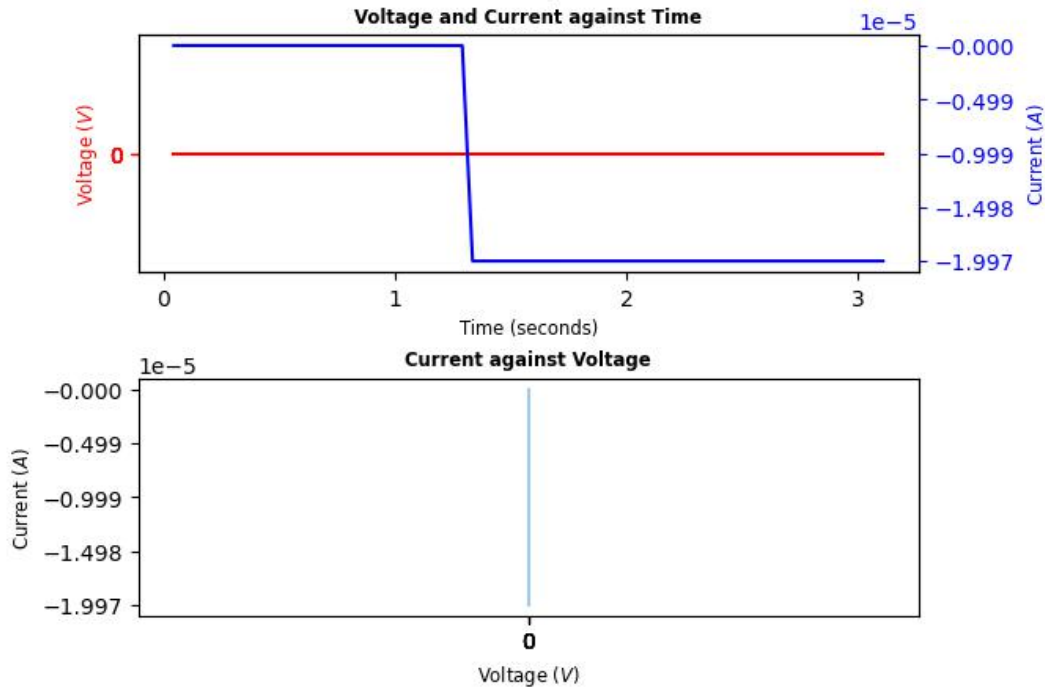
Run Folder Name = <2 probe, so invalid>

Comments = Set at 1.45 V

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:18:44PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

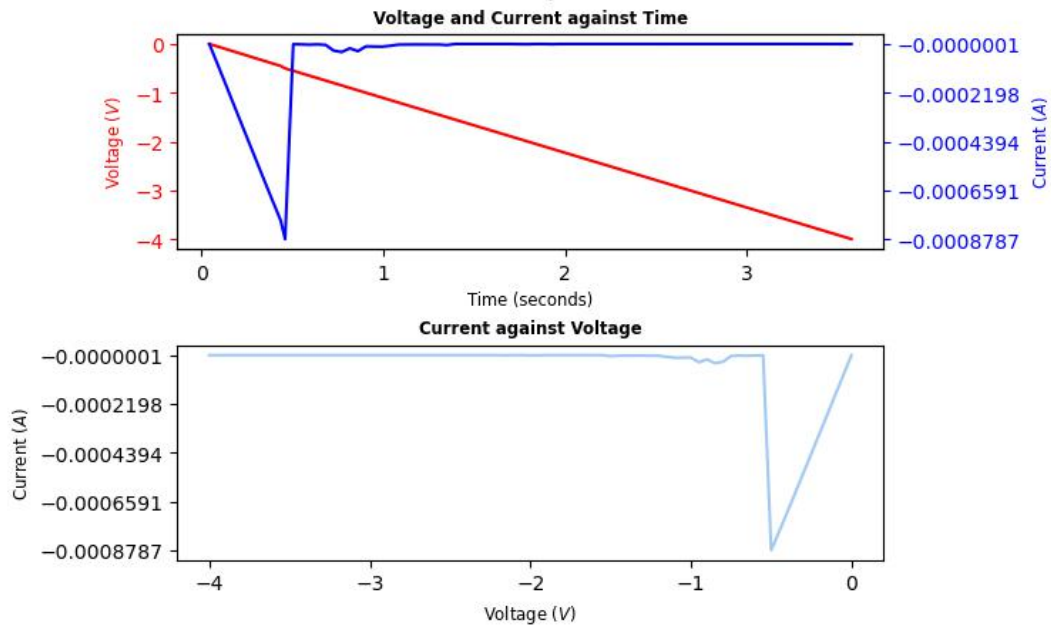
Platinum Voltage =

Copper Voltage =

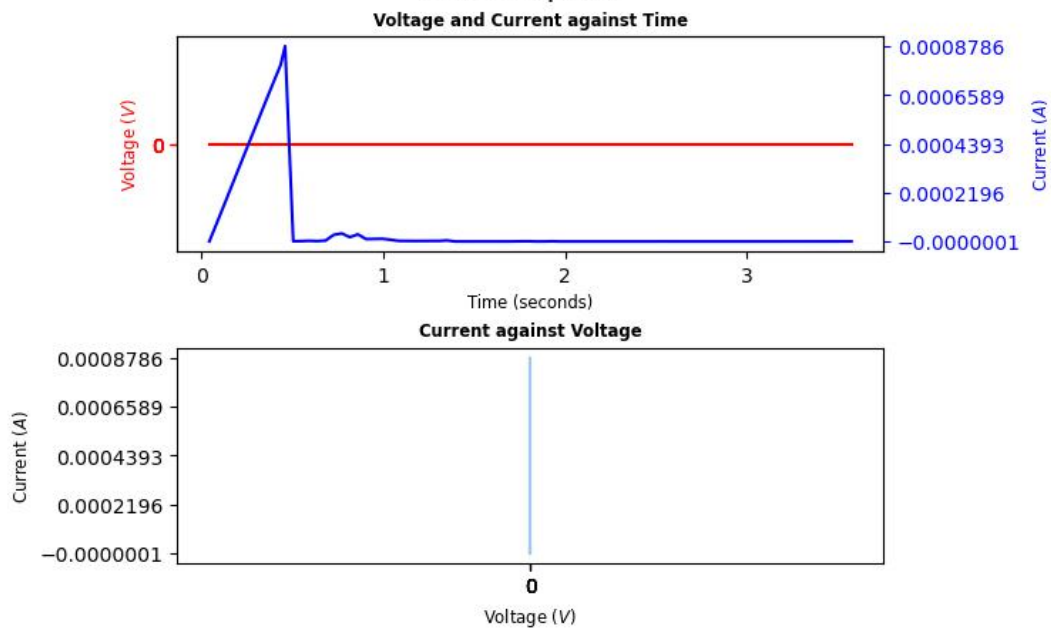
Run Folder Name = <2 probe, so invalid>

Comments = Reset at -0.55 V

## Probe A plots



## Probe B plots



-----  
 Stimulated at 03:20:00PM on 2022/March/01

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

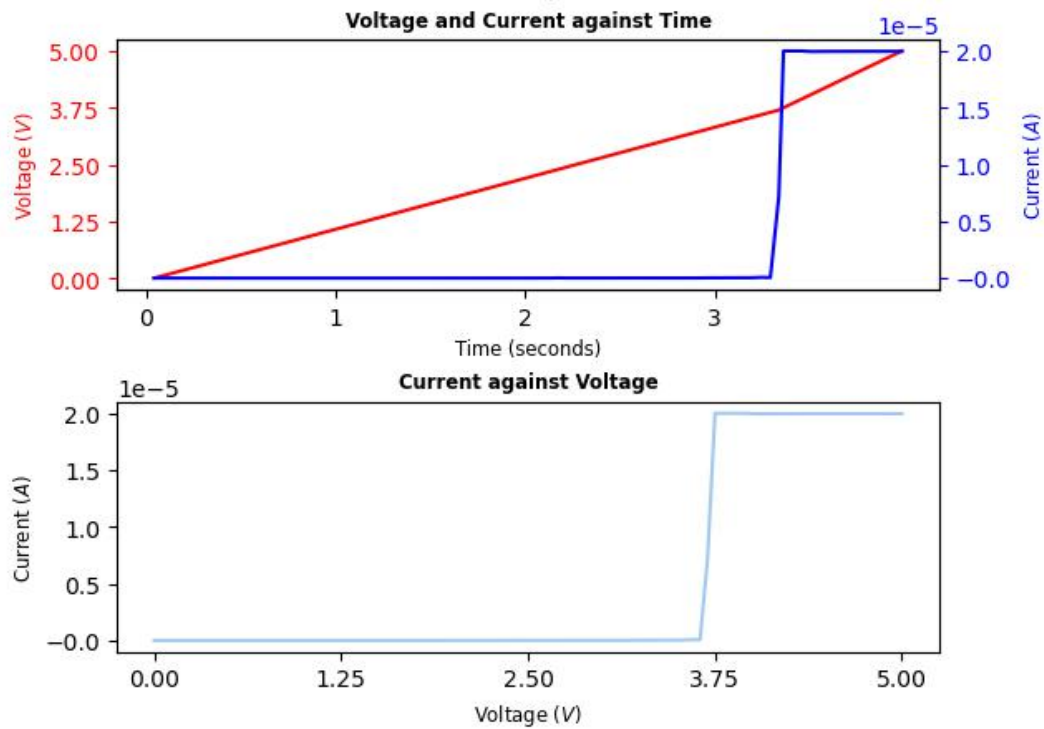
Platinum Voltage =

Copper Voltage =

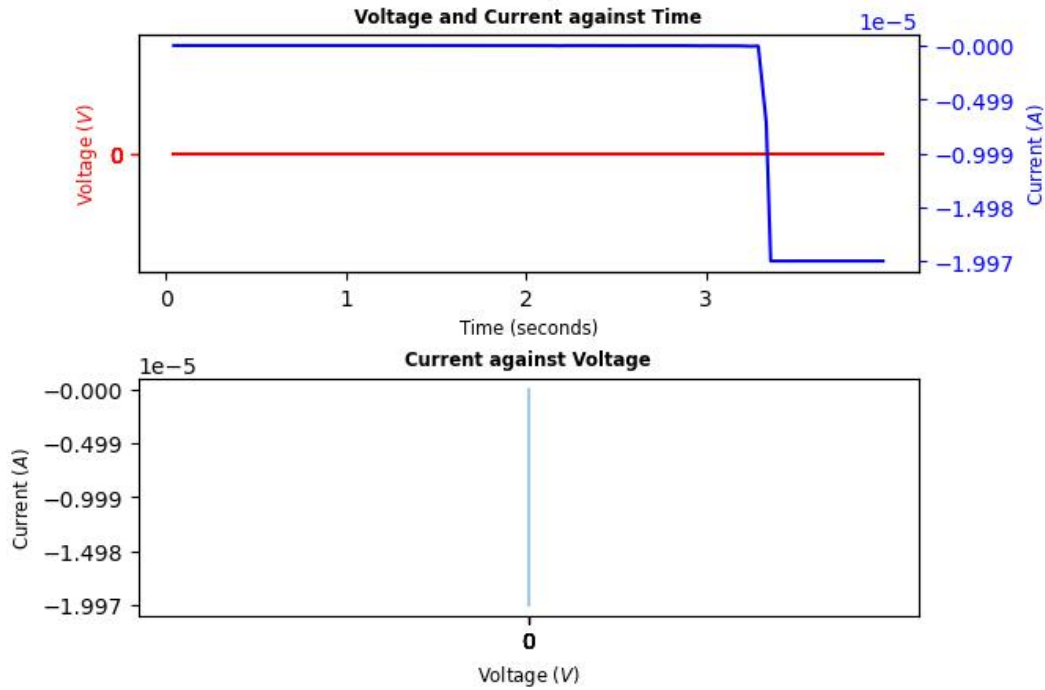
Run Folder Name = <2 probe, so invalid>

Comments = Set at 3.7 V

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:20:44PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

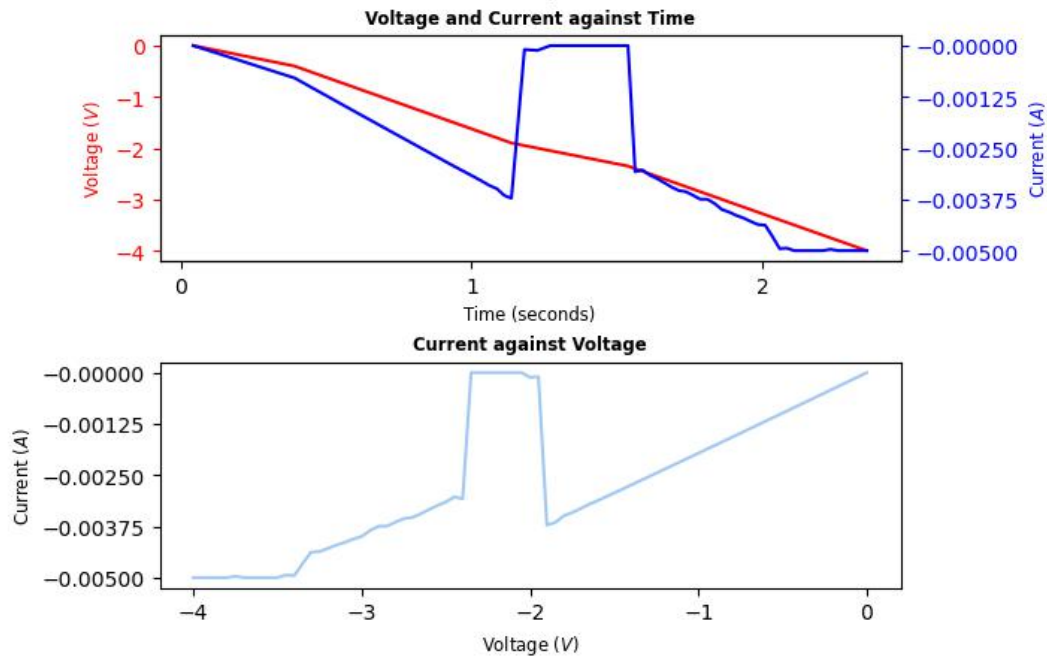
Platinum Voltage =

Copper Voltage =

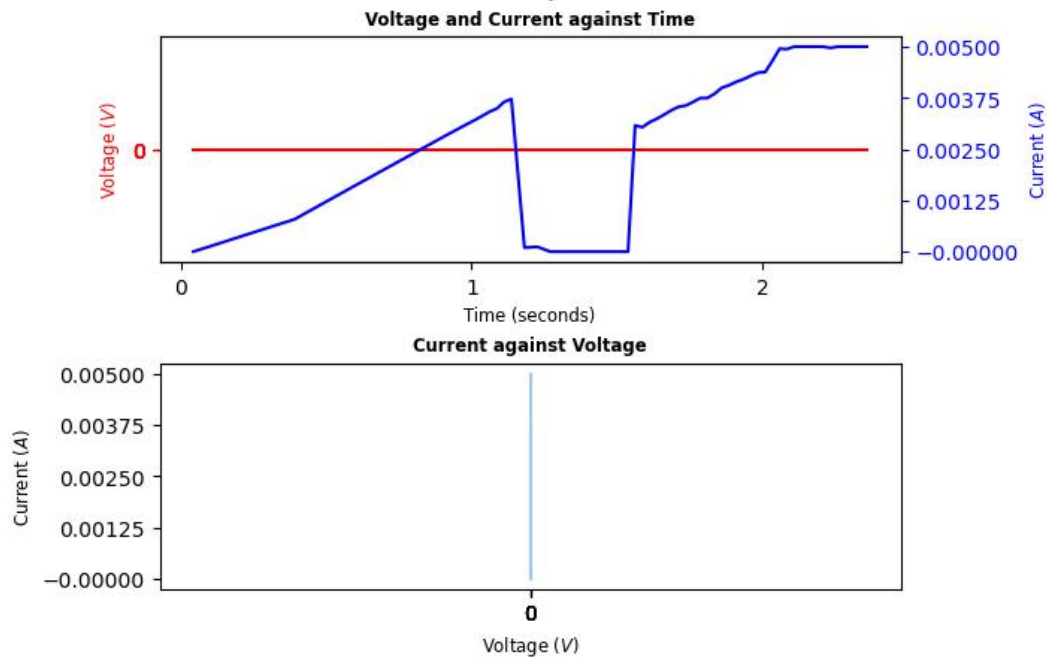
Run Folder Name = <2 probe, so invalid>

Comments = Failed reset

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:21:22PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

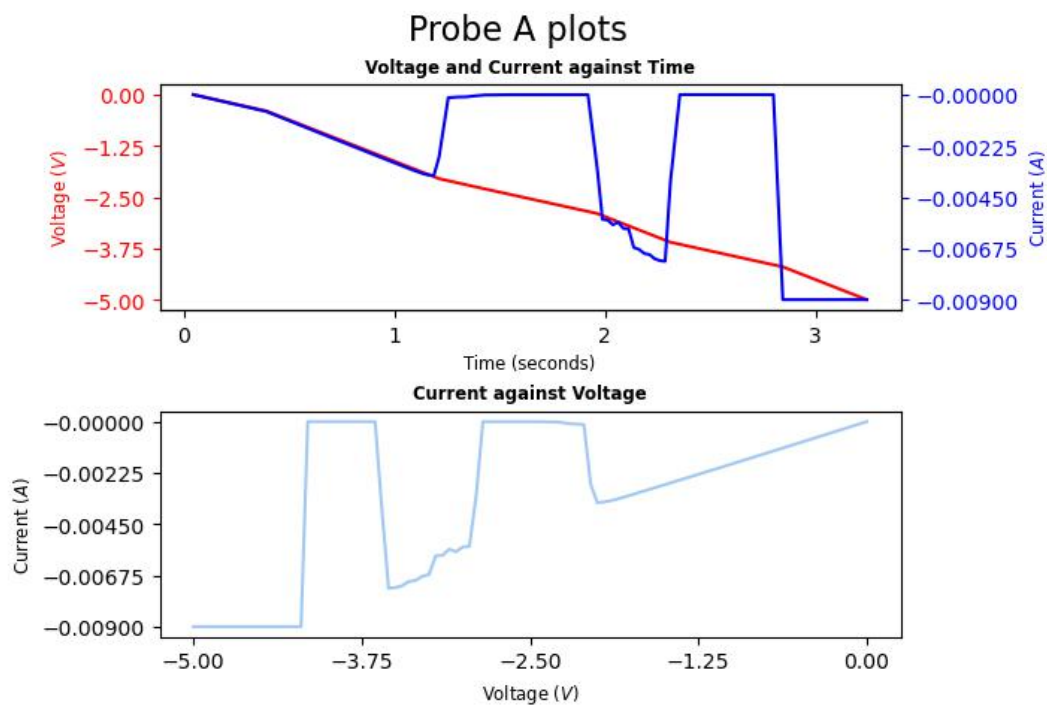
Compliance Current = 9.0mA

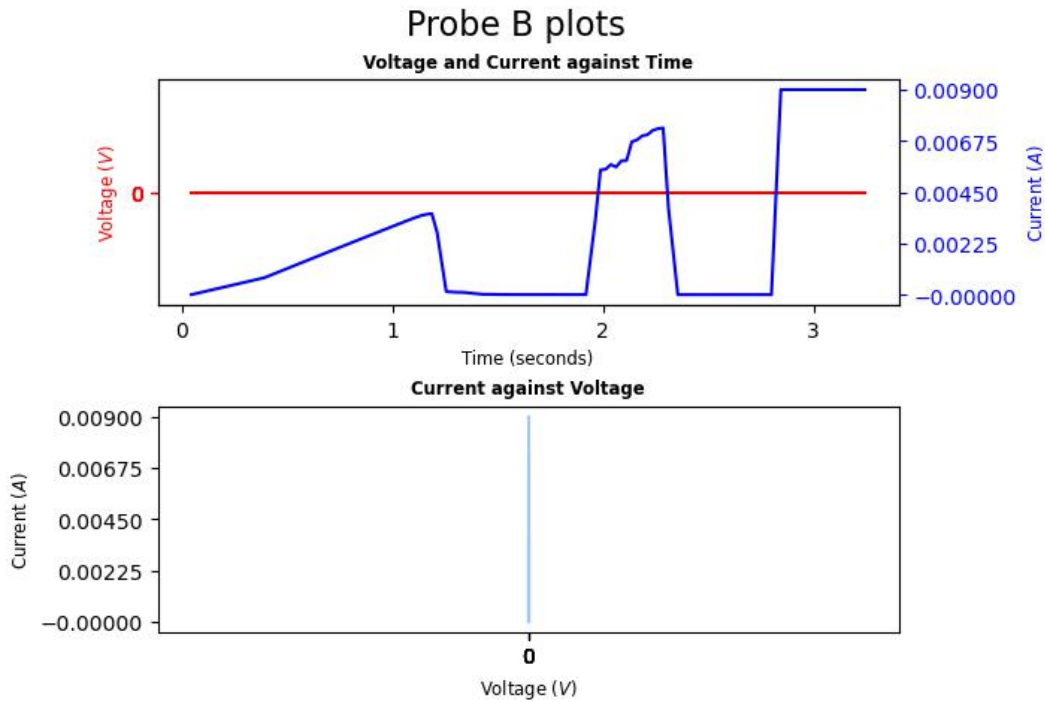
Platinum Voltage =

Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Failed reset





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Stimulated at 03:21:59PM on 2022/March/01

Activity = observe

Start Voltage = <2 probe observe activity, so invalid>

End Voltage = <2 probe observe activity, so invalid>

Ramp Rate = <2 probe observe activity, so invalid>

Compliance Current = 20.0uA

Platinum Voltage = 0V

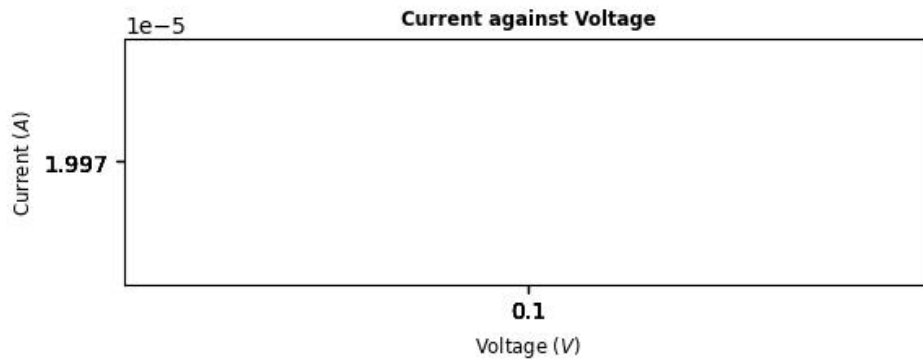
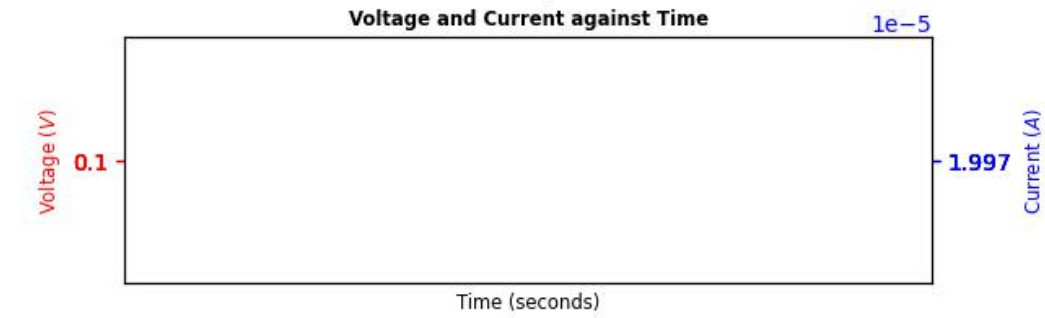
Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

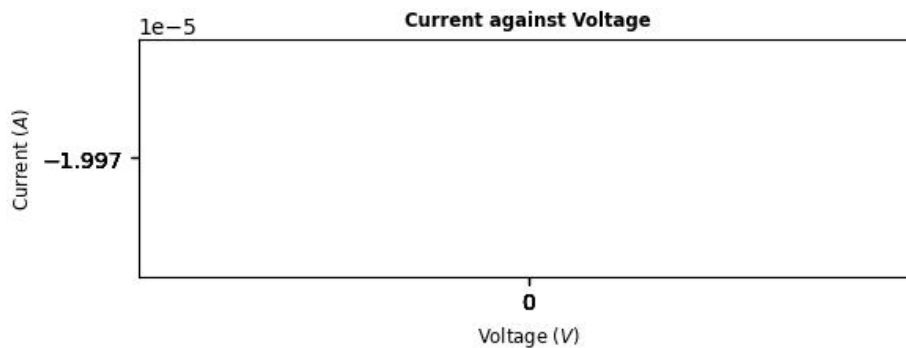
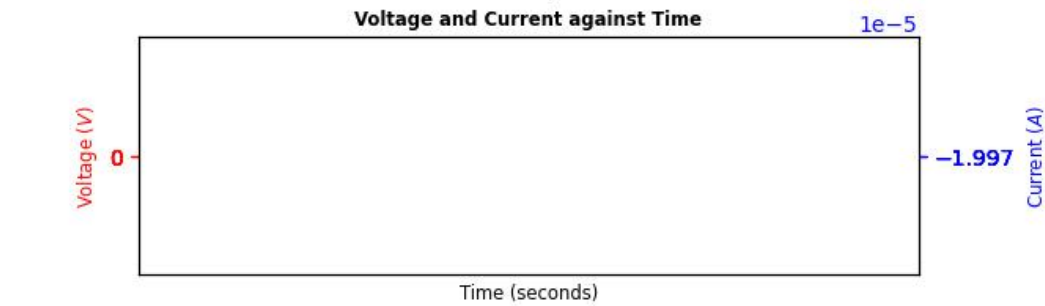
Comments = State: SET



## Probe A plots



## Probe B plots



-----  
Stimulated at 03:22:34PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

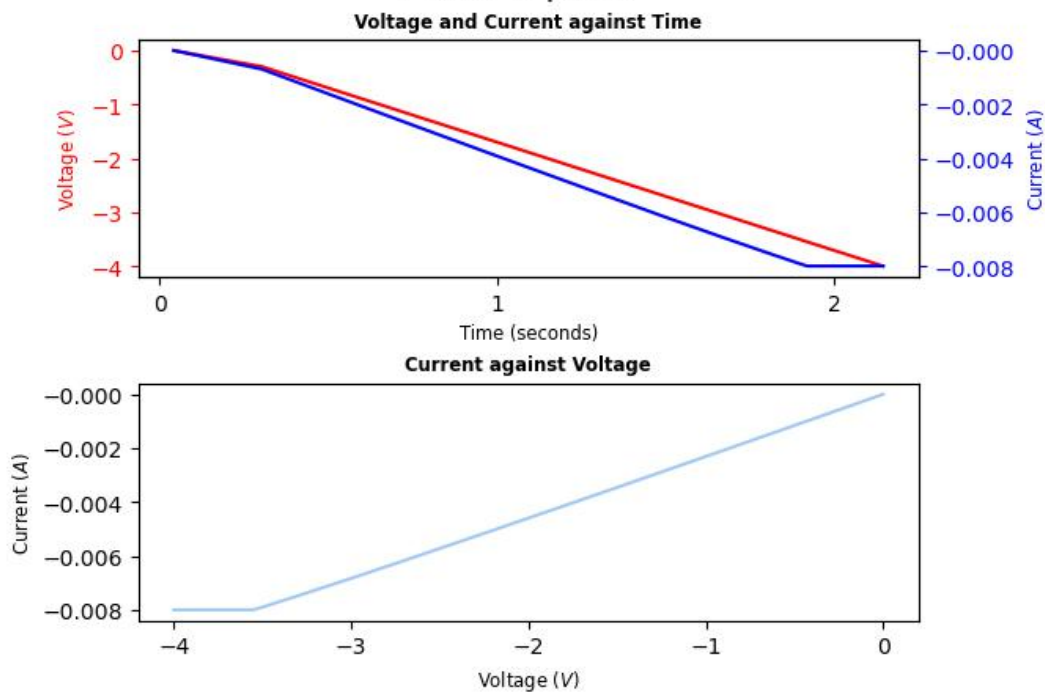
Platinum Voltage =

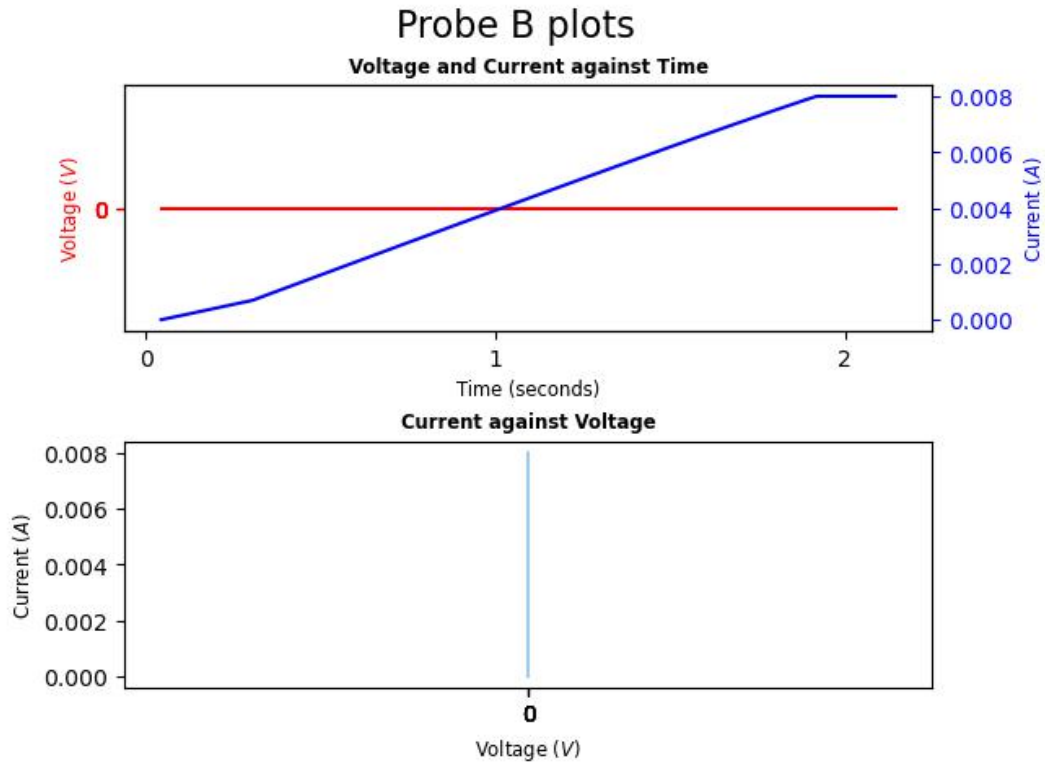
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Failed reset

## Probe A plots





-----  
Stimulated at 03:24:39PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

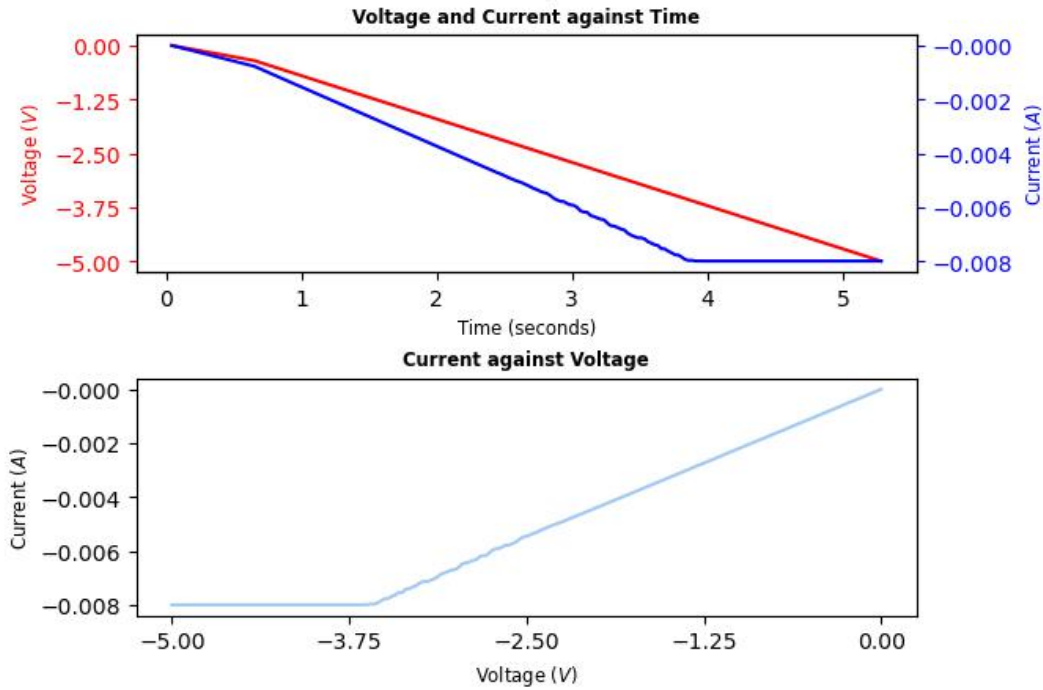
Platinum Voltage =

Copper Voltage =

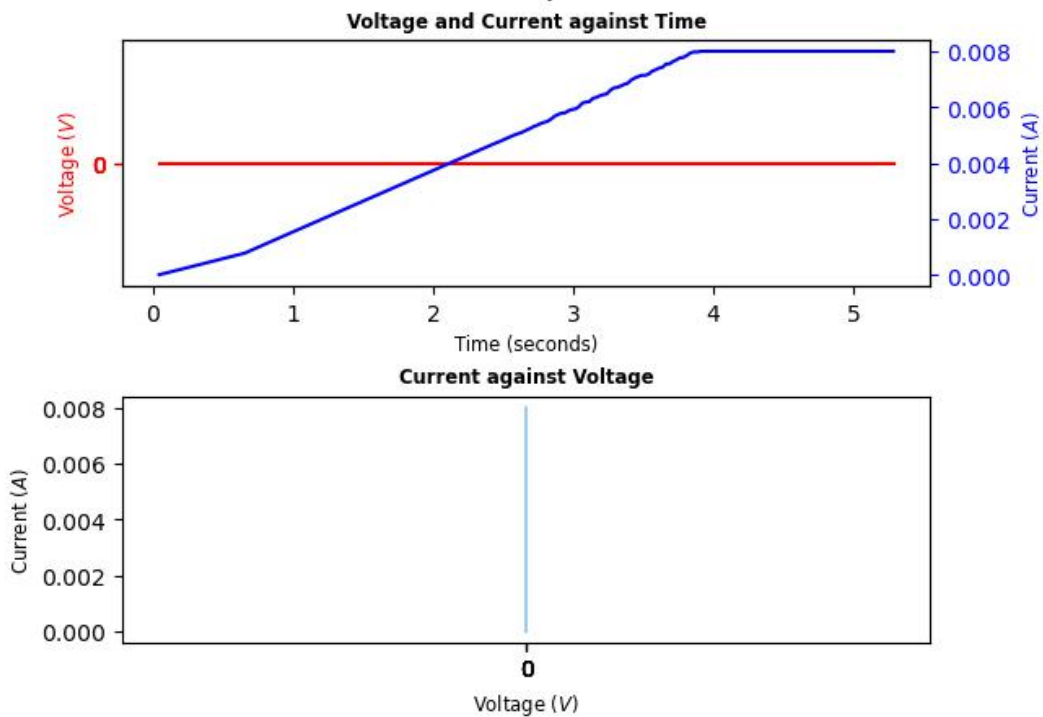
Run Folder Name = <2 probe, so invalid>

Comments = Failed reset. Amrita is determined this cell will reset

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:25:42PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 10.0mA

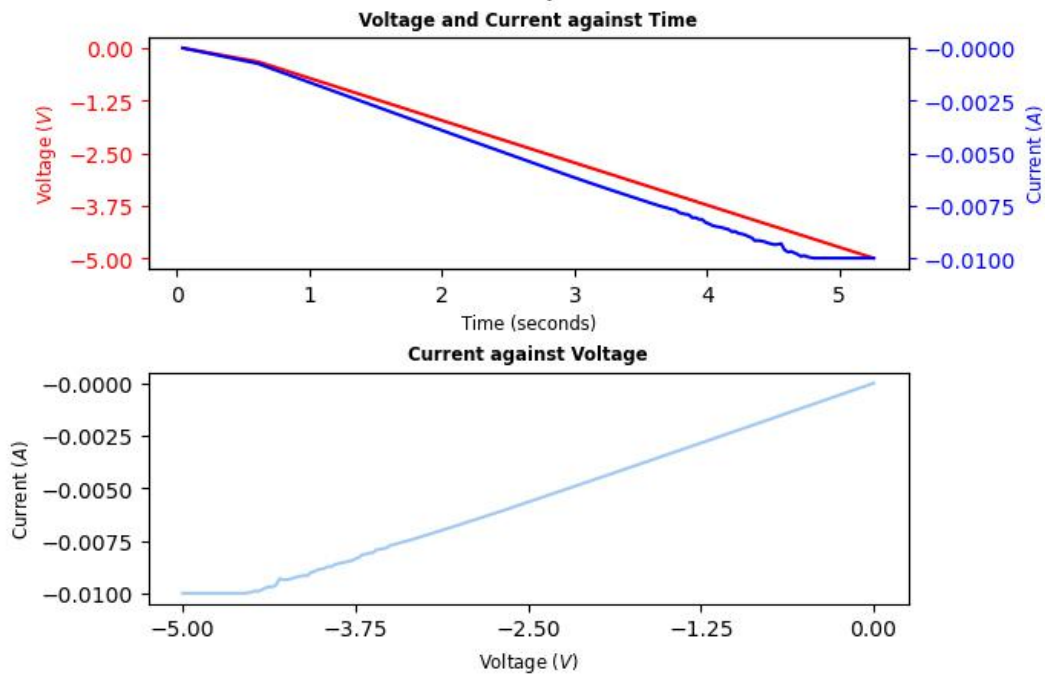
Platinum Voltage =

Copper Voltage =

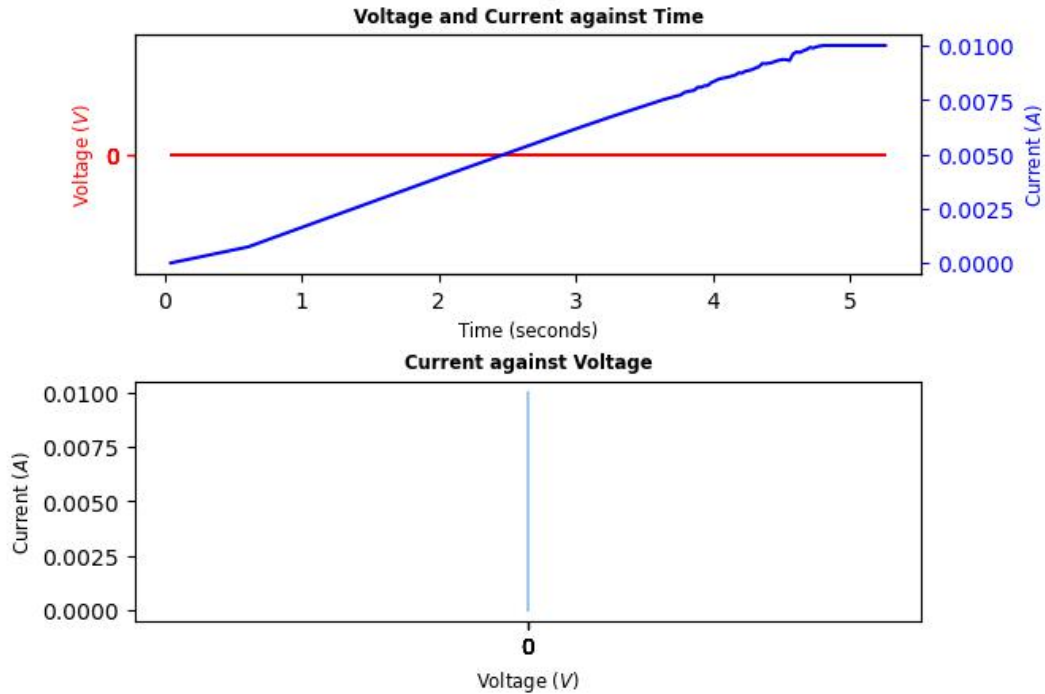
Run Folder Name = <2 probe, so invalid>

Comments = Failed reset

## Probe A plots



## Probe B plots



-----  
Stimulated at 03:26:18PM on 2022/March/01

Activity = reset

Start Voltage = 0V

End Voltage = -6V

Ramp Rate = 1V/s

Compliance Current = 10.0mA

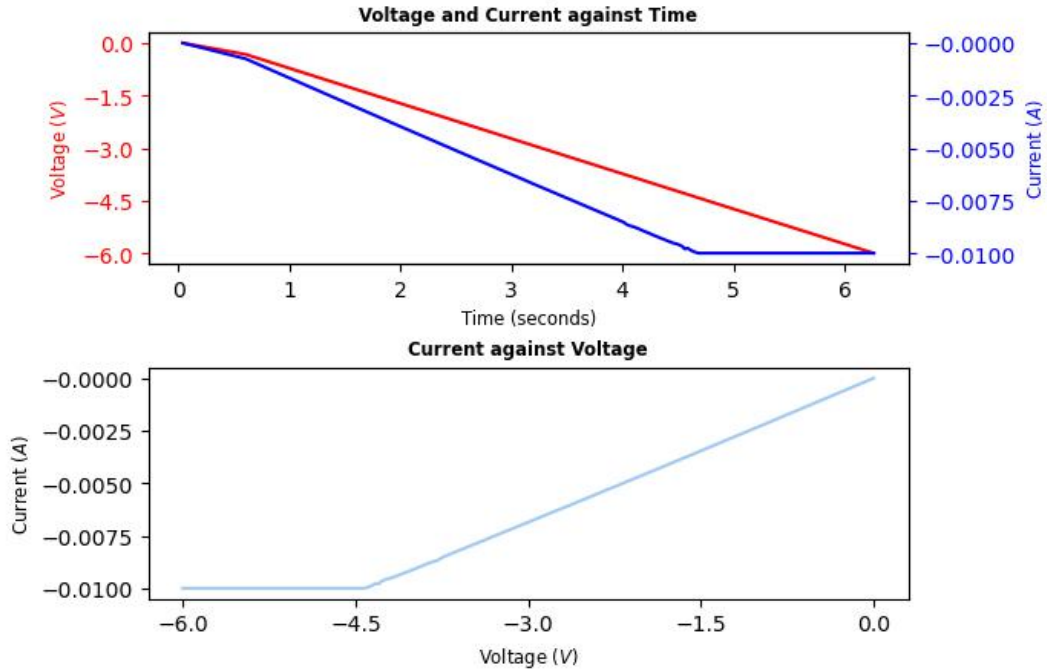
Platinum Voltage =

Copper Voltage =

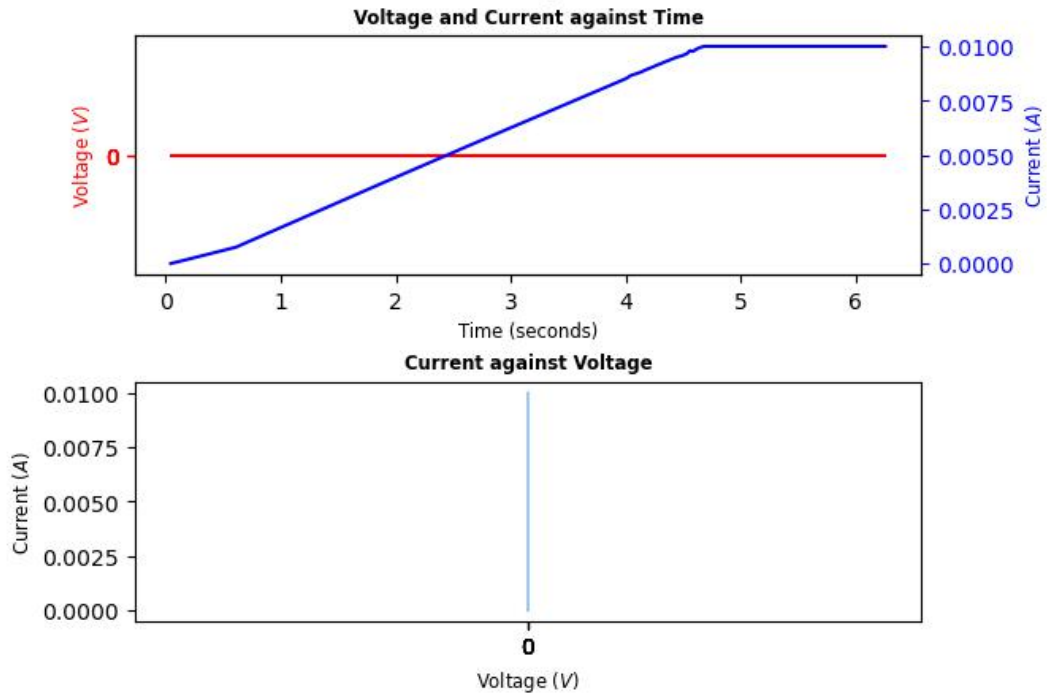
Run Folder Name = <2 probe, so invalid>

Comments = Failed reset

## Probe A plots



## Probe B plots



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