

## (wafer1,0,0,-1,-1,2,2) Plots and Summary

- Cell Size = 10um
- Number of Times Accessed = 27
- Last Stimulated = 2022/February/28 at 05:01PM

-----  
Stimulated at 04:16:09PM on 2022/February/28

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

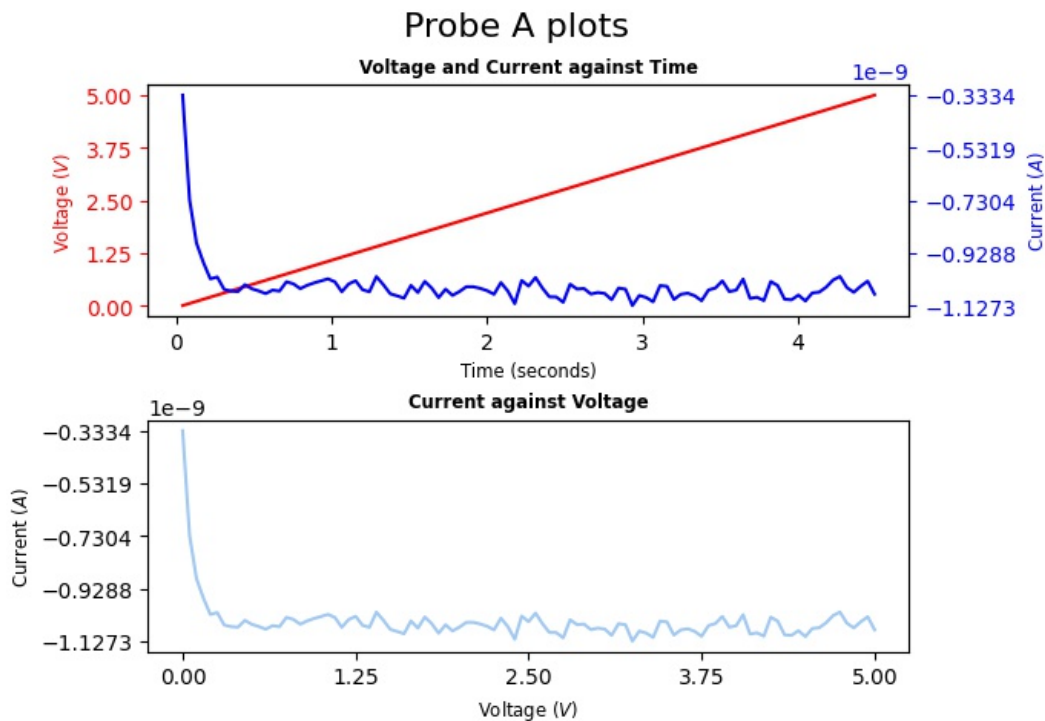
Compliance Current = 10.0uA

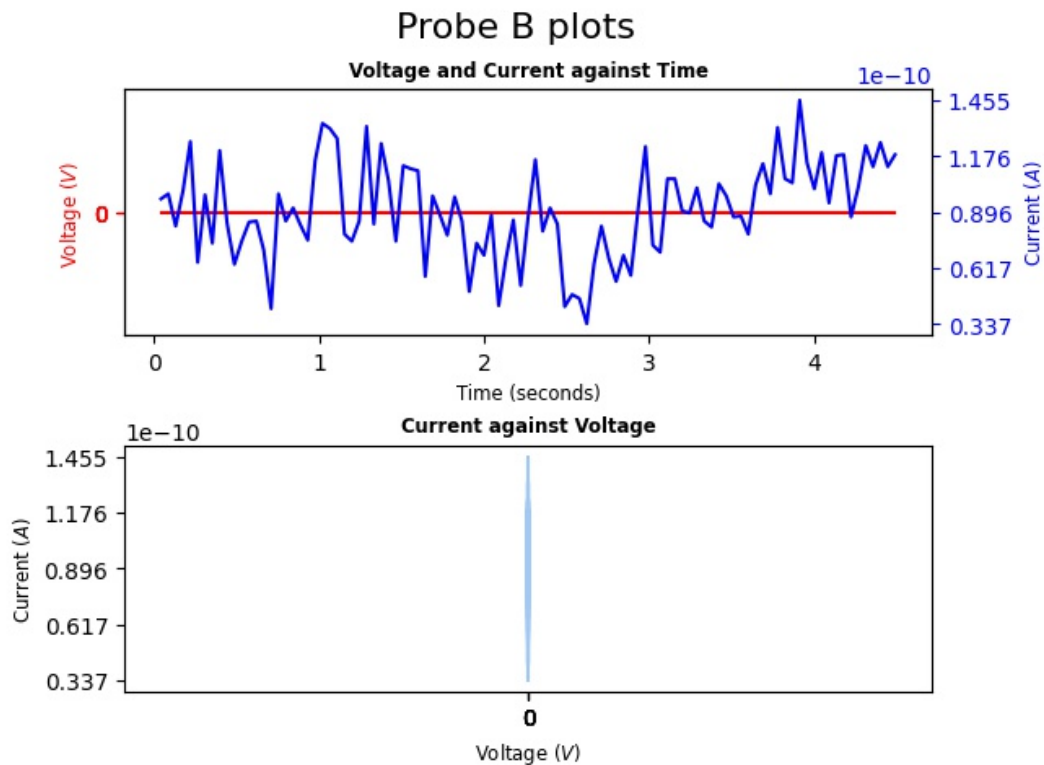
Platinum Voltage =

Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Failure to form. Bad probe to pad contact. A: Copper, B: Platinum.





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 Stimulated at 04:16:59PM on 2022/February/28

Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 10.0uA

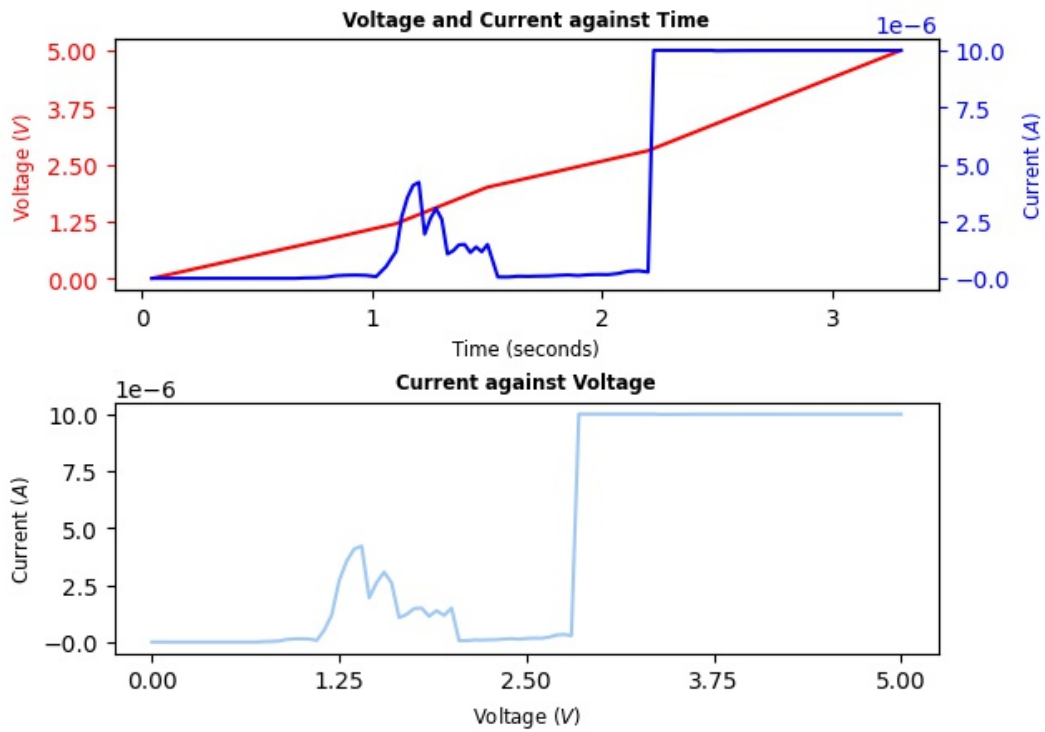
Platinum Voltage =

Copper Voltage =

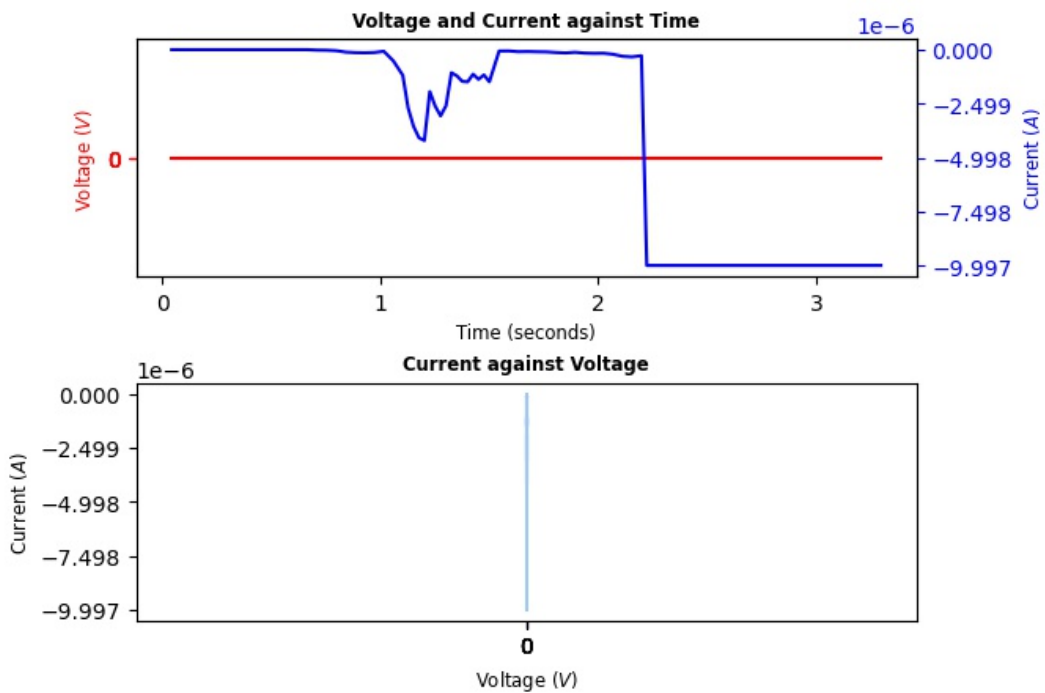
Run Folder Name = <2 probe, so invalid>

Comments = Success, but strange curve in the beginning. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



Activity = form

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 10.0uA

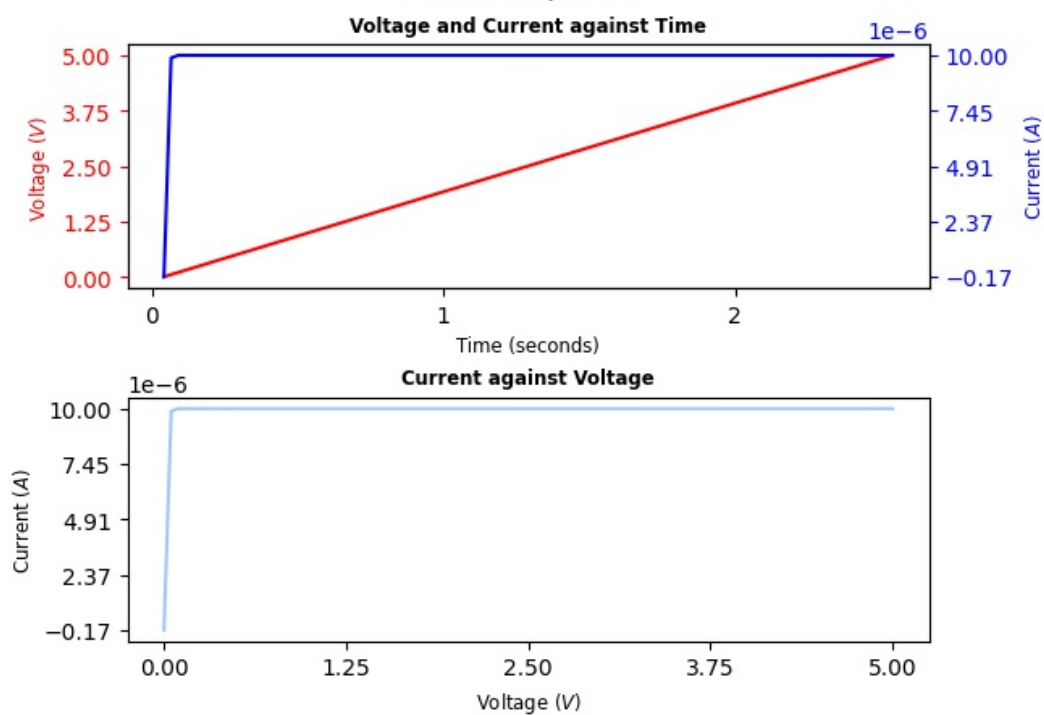
Platinum Voltage =

Copper Voltage =

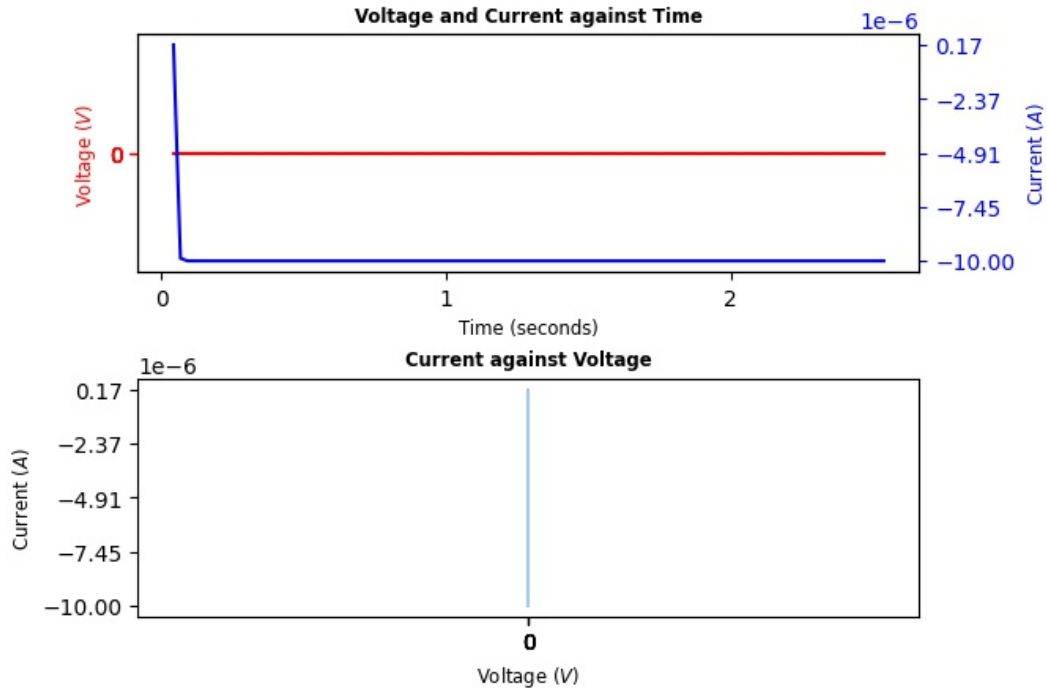
Run Folder Name = <2 probe, so invalid>

Comments = Intention was just to observe, form success confirmed. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:19PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

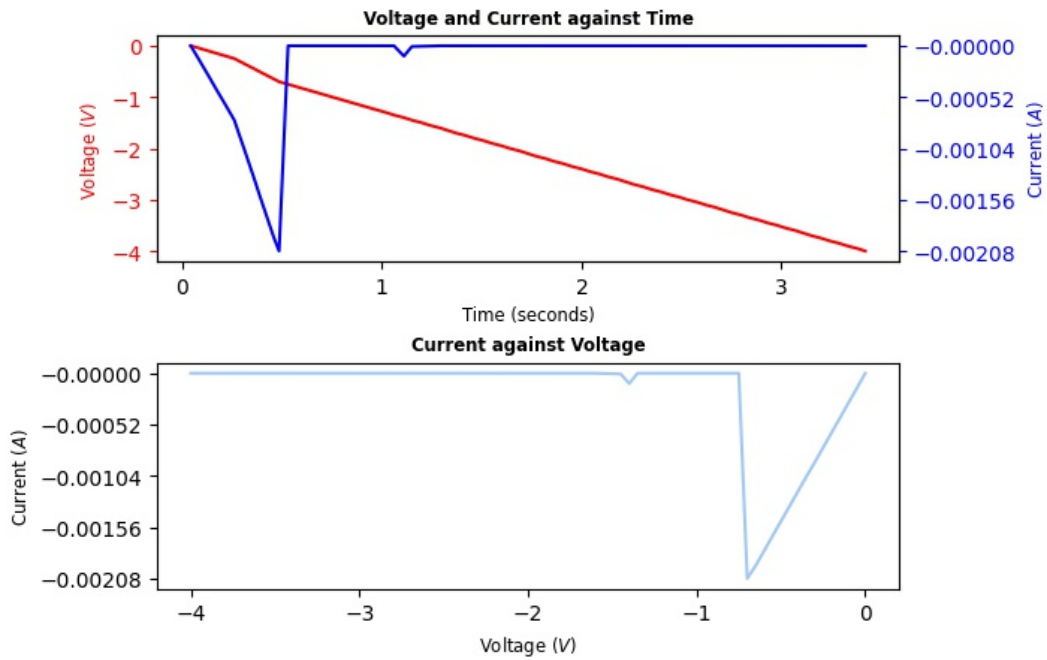
Platinum Voltage =

Copper Voltage =

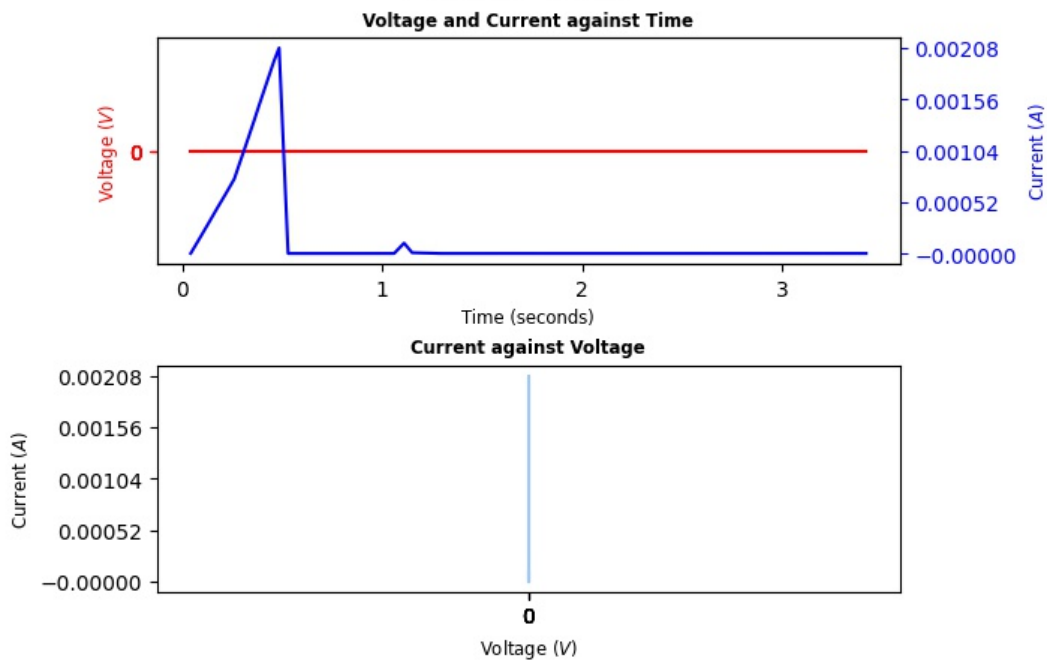
Run Folder Name = <2 probe, so invalid>

Comments = Success. AV column missing, copied from run 2202281620. This run was a near perfect reset. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



-----  
Stimulated at 04:20PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

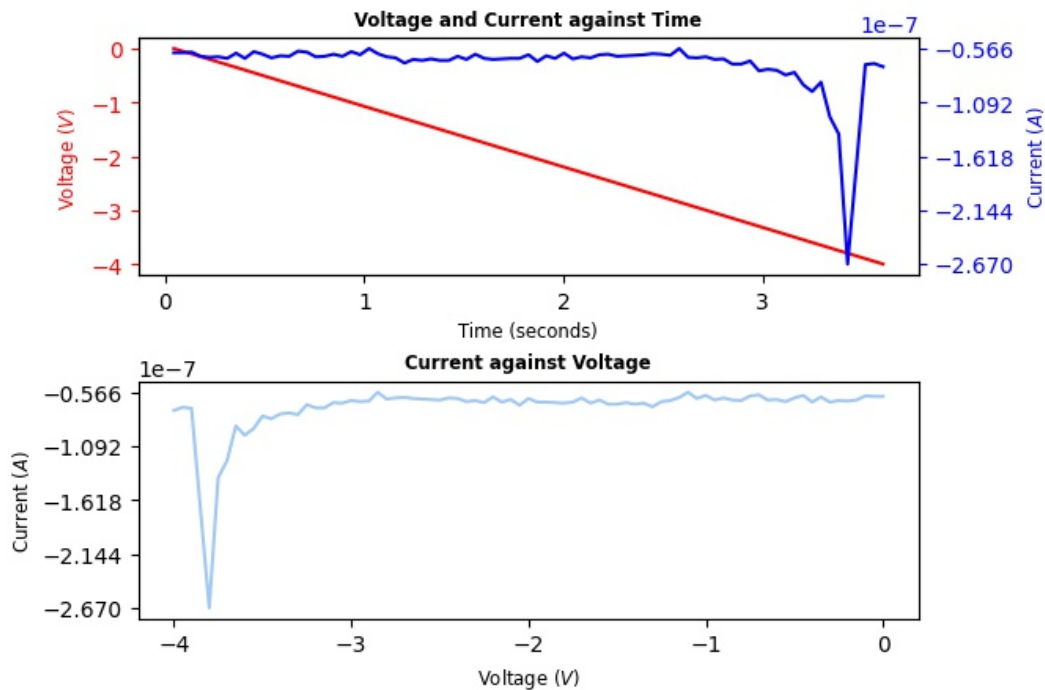
Platinum Voltage =

Copper Voltage =

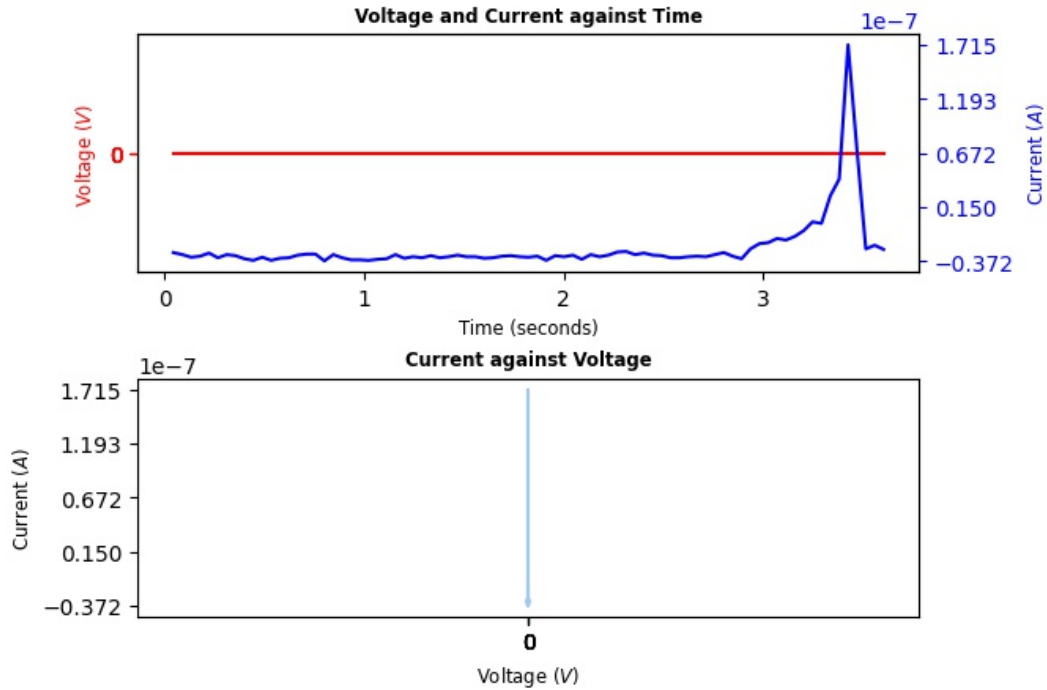
Run Folder Name = <2 probe, so invalid>

Comments = Retry and observation from run 2202281619 due to missing AV column. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:26PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 20.0uA

Platinum Voltage =

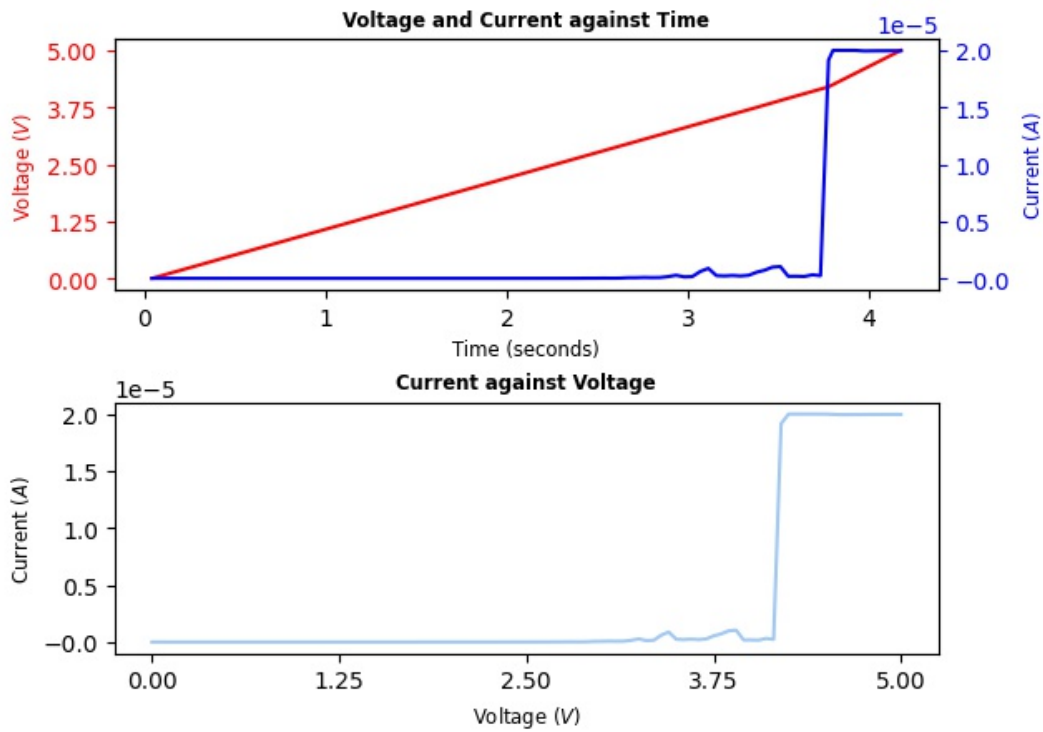
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

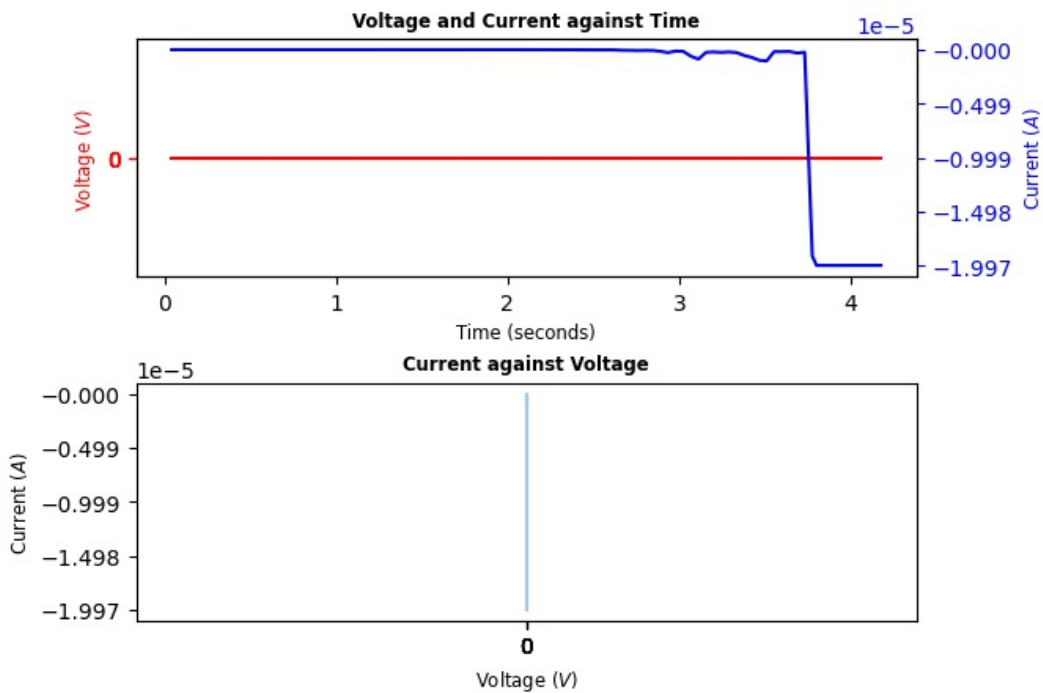
Comments = Successfull set. A: Copper, B: Platinum.



## Probe A plots



## Probe B plots



Activity = reset

Start Voltage = 0V

End Voltage = -4V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

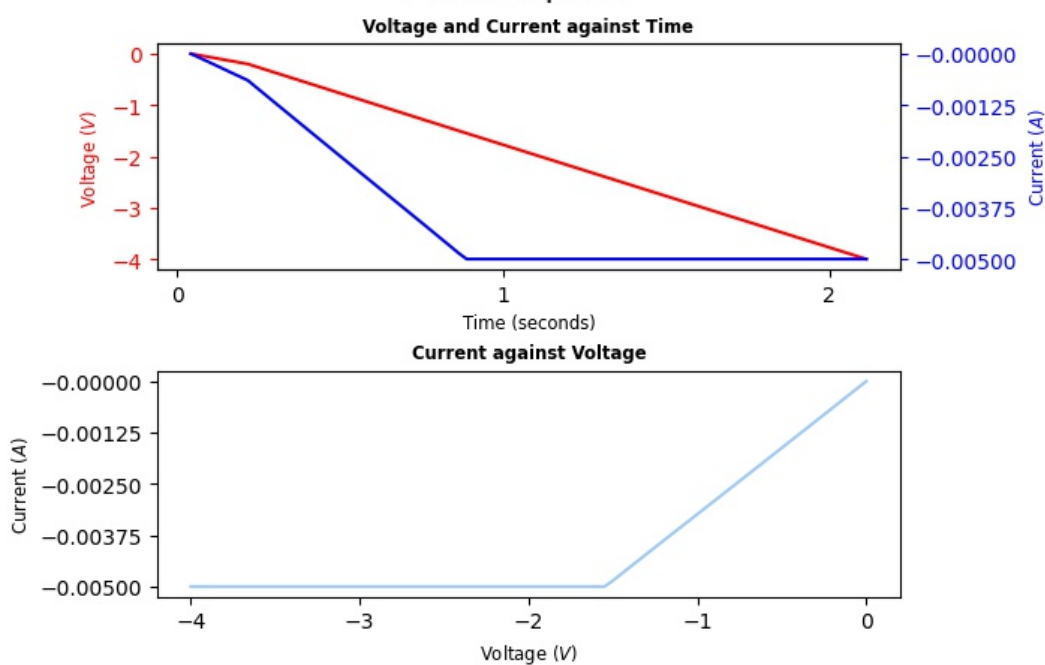
Platinum Voltage =

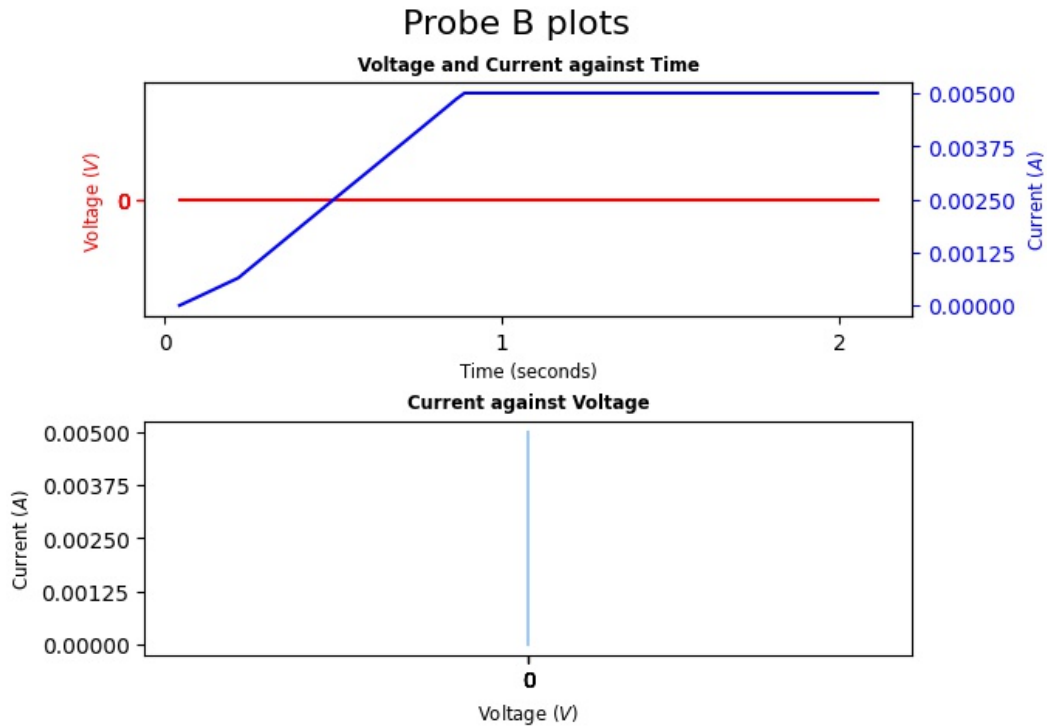
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Failure to reset. A: Copper, B: Platinum.

### Probe A plots





-----  
Stimulated at 04:30PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 5.0mA

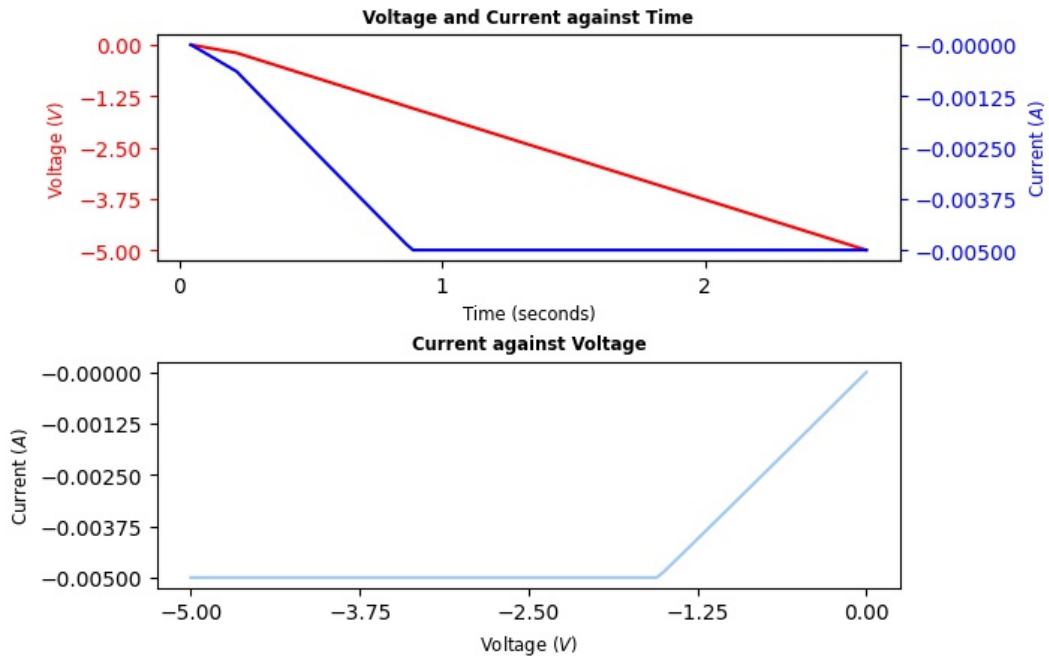
Platinum Voltage =

Copper Voltage =

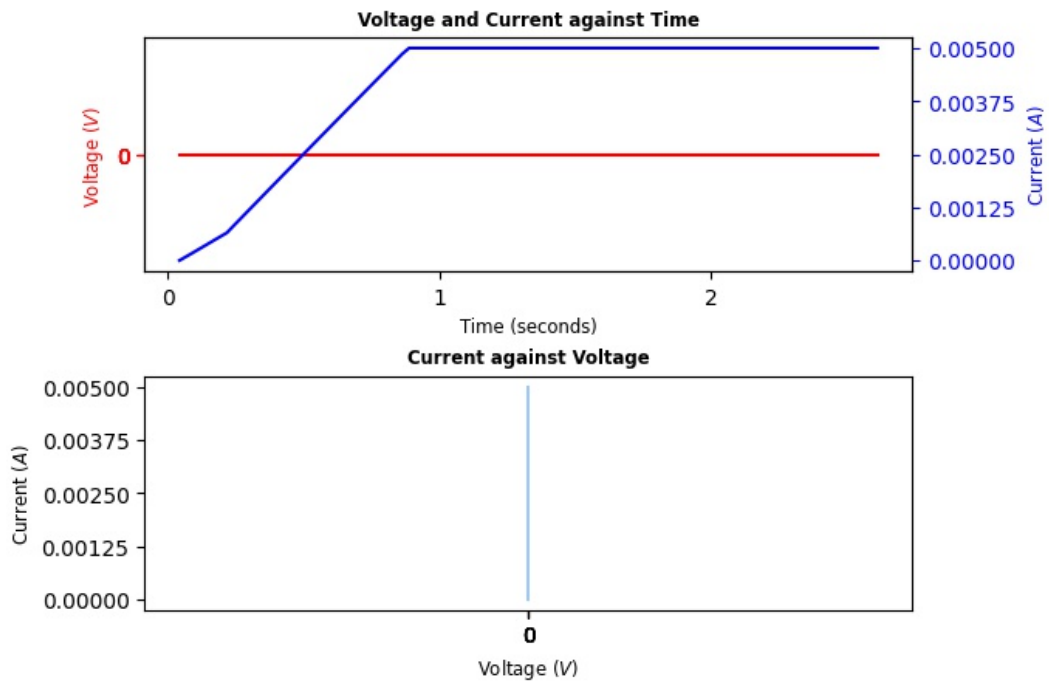
Run Folder Name = <2 probe, so invalid>

Comments = Reset failure. A: Copper, B: Platinum

## Probe A plots



## Probe B plots



-----  
Stimulated at 04:31PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

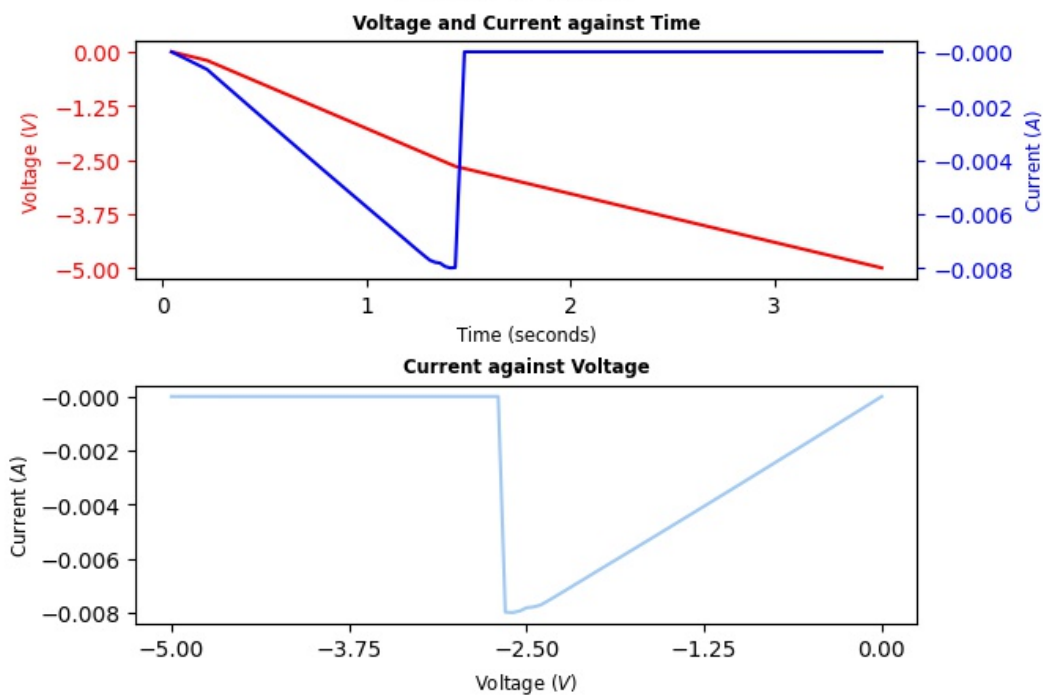
Platinum Voltage =

Copper Voltage =

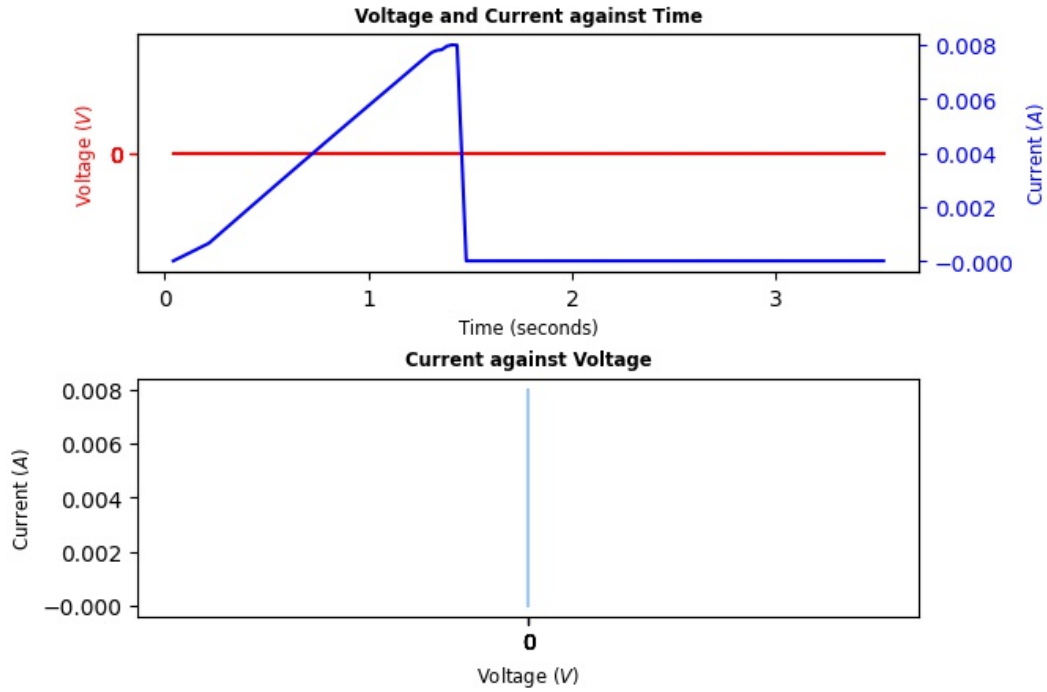
Run Folder Name = <2 probe, so invalid>

Comments = Reset success. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:34PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 25.0uA

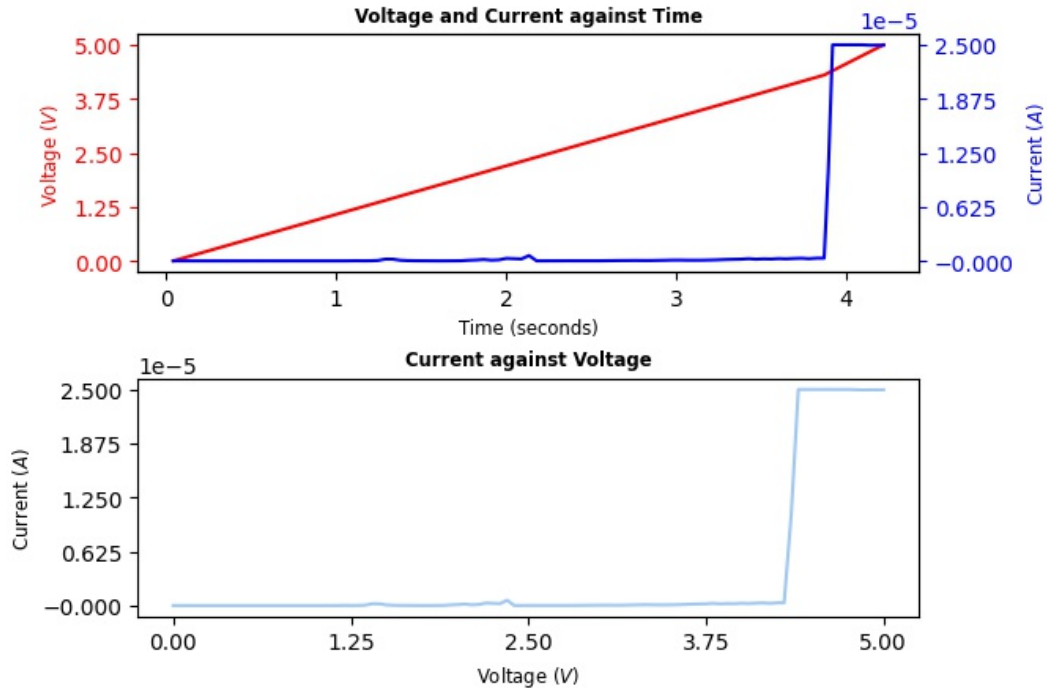
Platinum Voltage =

Copper Voltage =

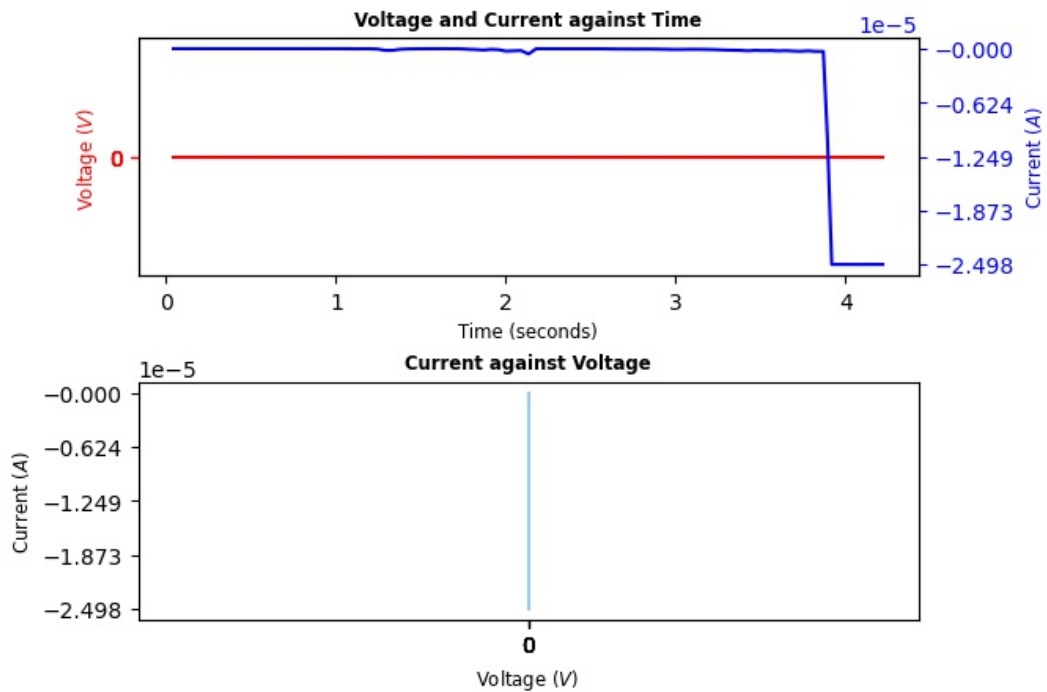
Run Folder Name = <2 probe, so invalid>

Comments = Successful set. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



-----  
Stimulated at 04:36PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

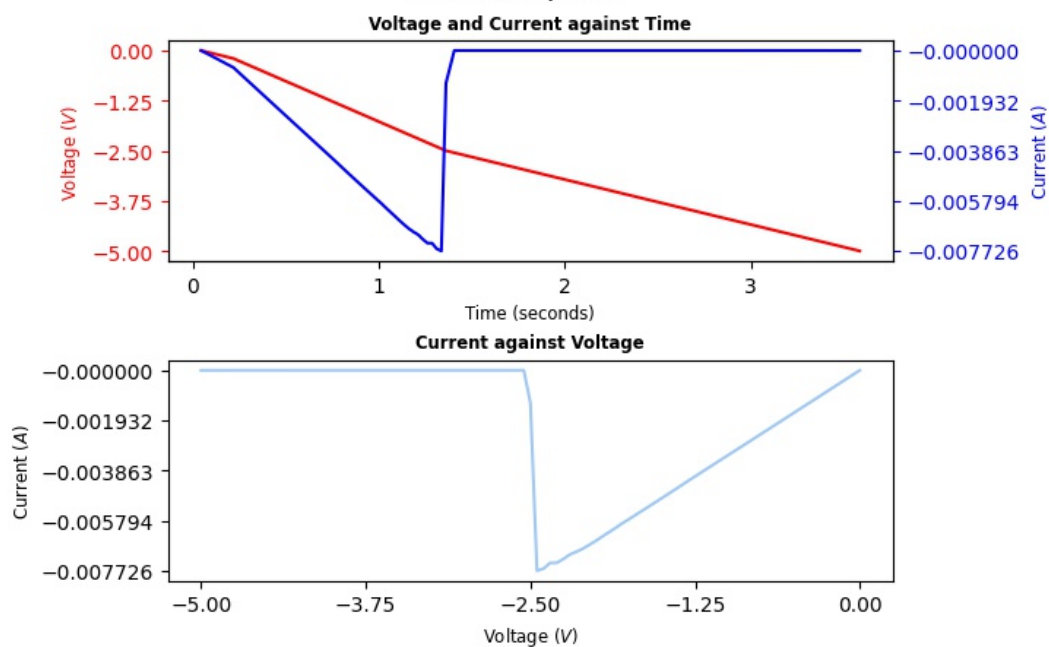
Platinum Voltage =

Copper Voltage =

Run Folder Name = <2 probe, so invalid>

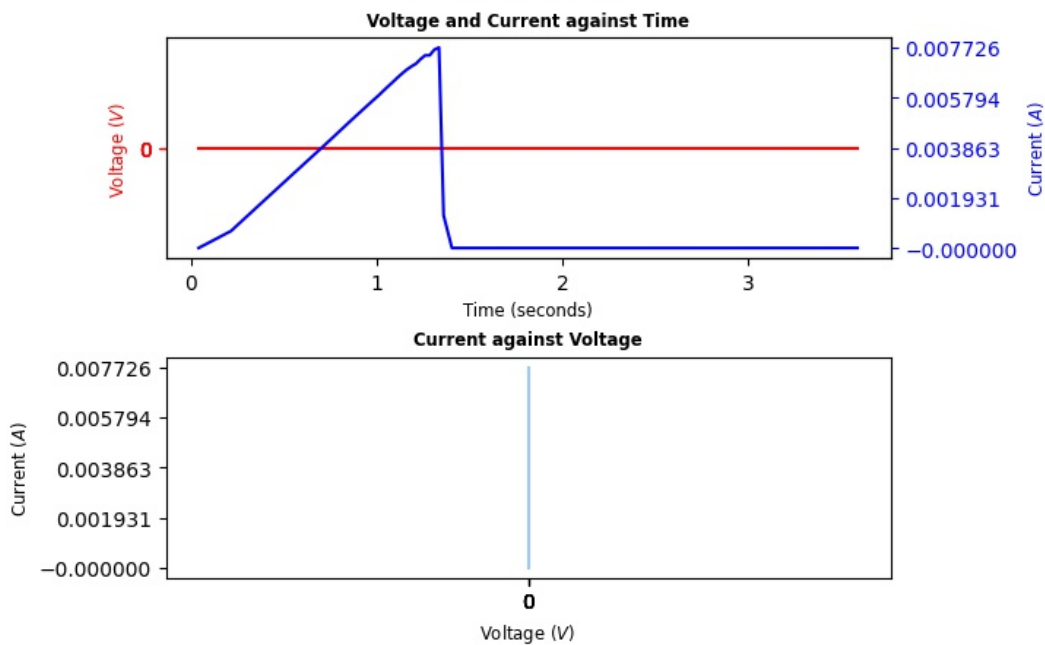
Comments = Successful reset. A: Copper, B: Platinum.

### Probe A plots





## Probe B plots



-----  
Stimulated at 04:37PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 30.0uA

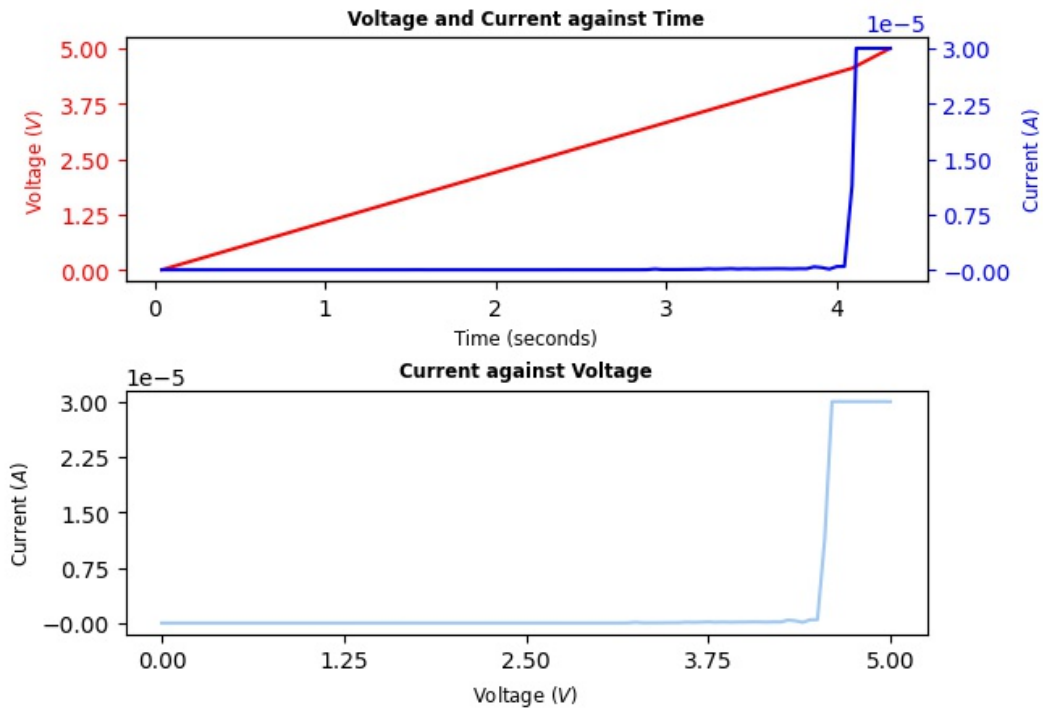
Platinum Voltage =

Copper Voltage =

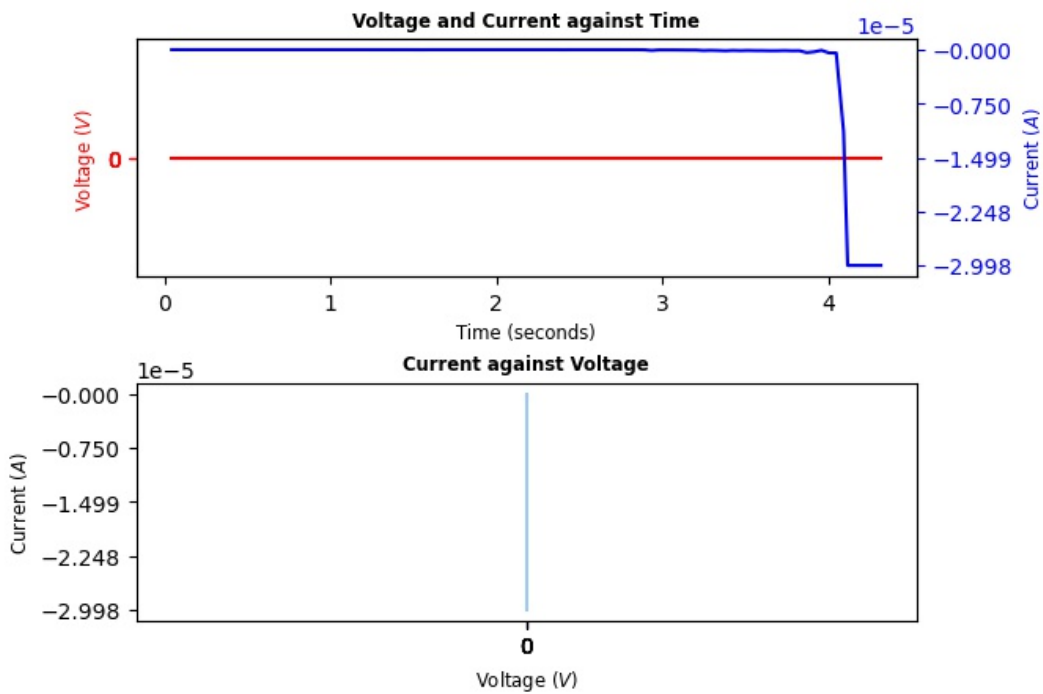
Run Folder Name = <2 probe, so invalid>

Comments = Set success. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



Stimulated at 04:38PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

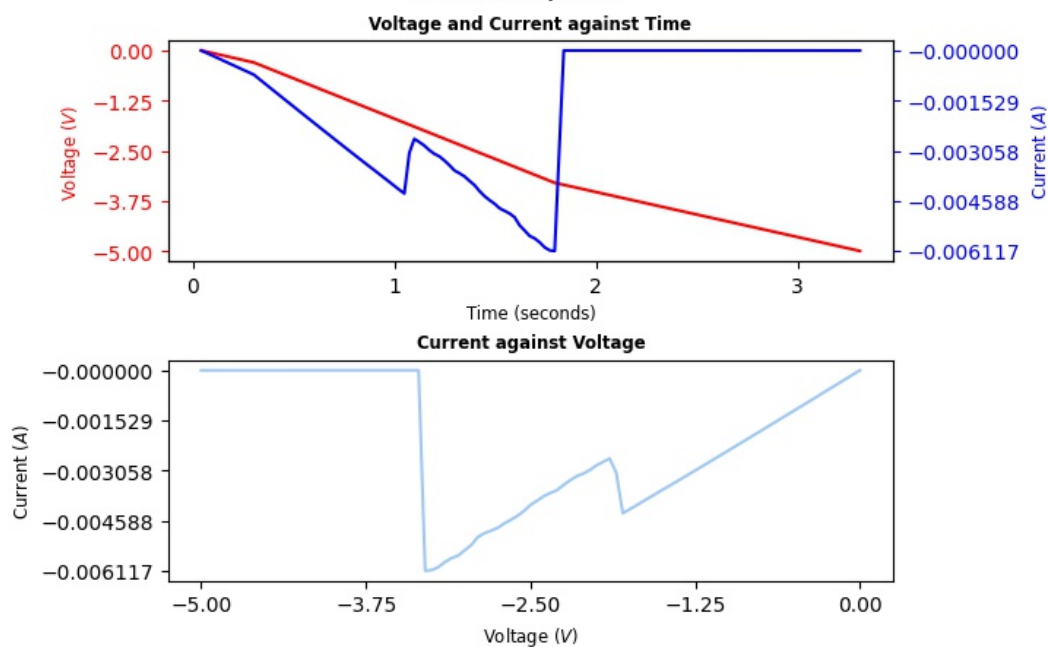
Platinum Voltage =

Copper Voltage =

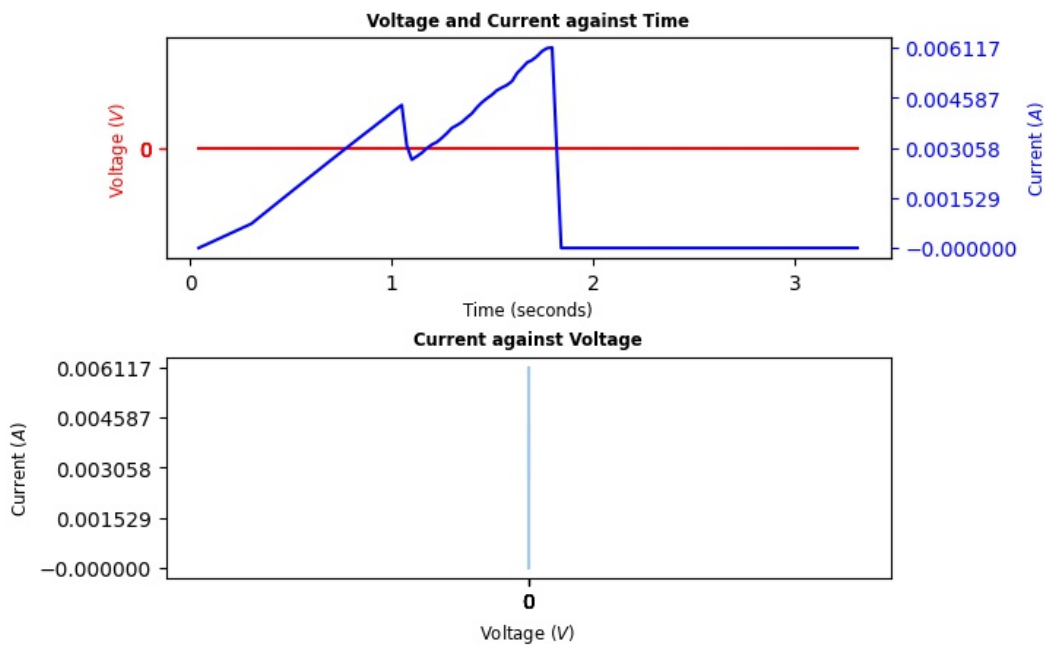
Run Folder Name = <2 probe, so invalid>

Comments = Reset success. But not smooth. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:40PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 35.0uA

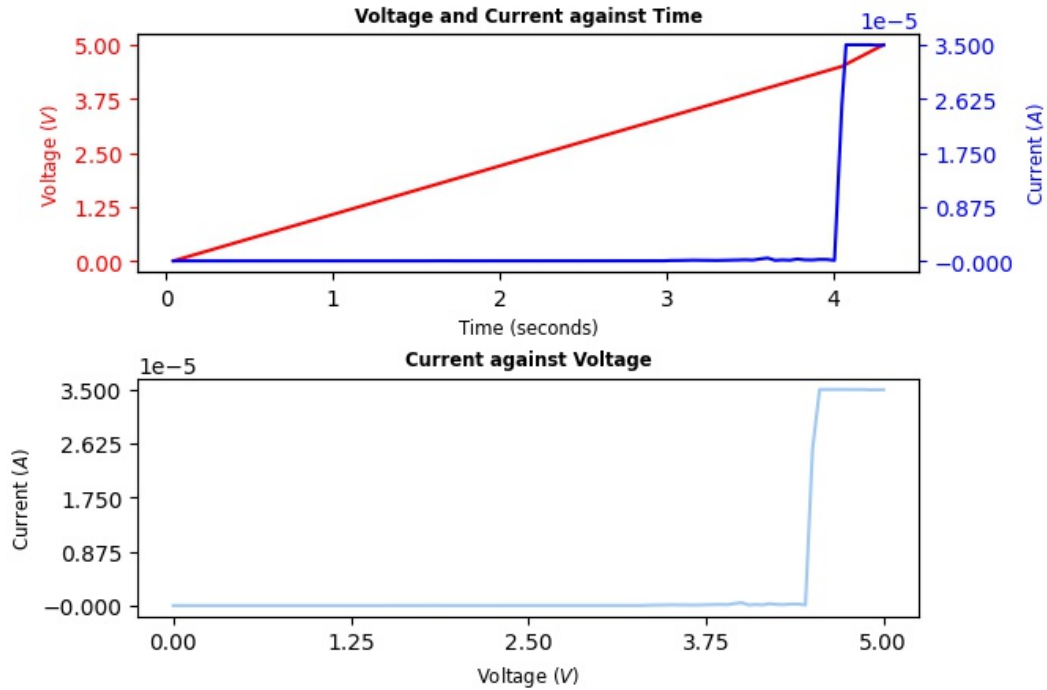
Platinum Voltage =

Copper Voltage =

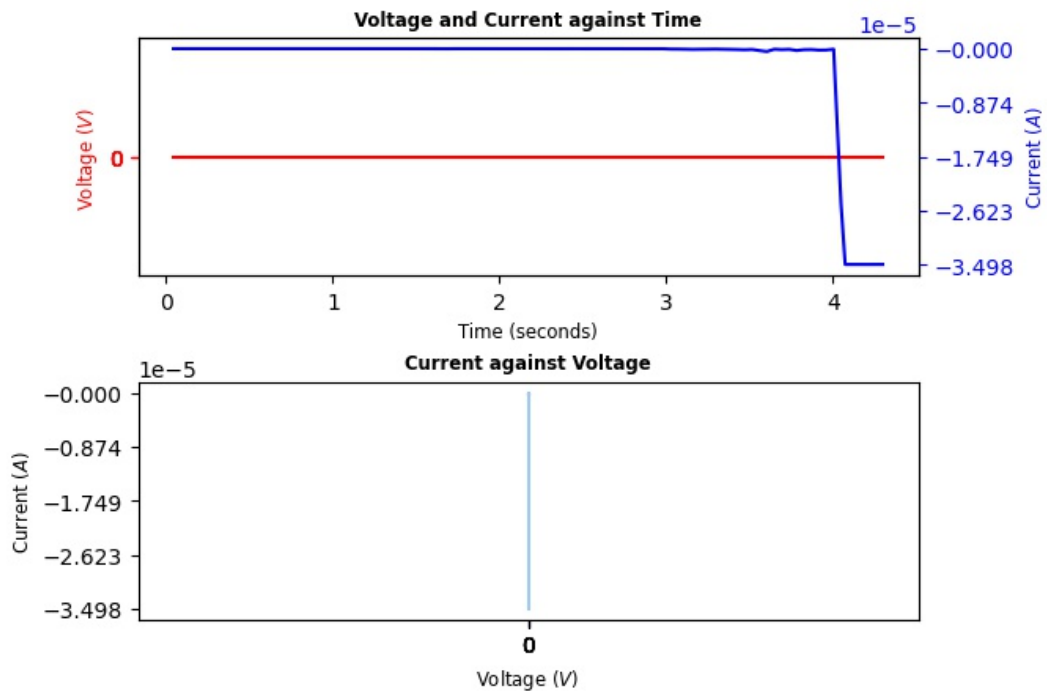
Run Folder Name = <2 probe, so invalid>

Comments = Set success. A: Copper, B: platinum

## Probe A plots



## Probe B plots



-----  
Stimulated at 04:41PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

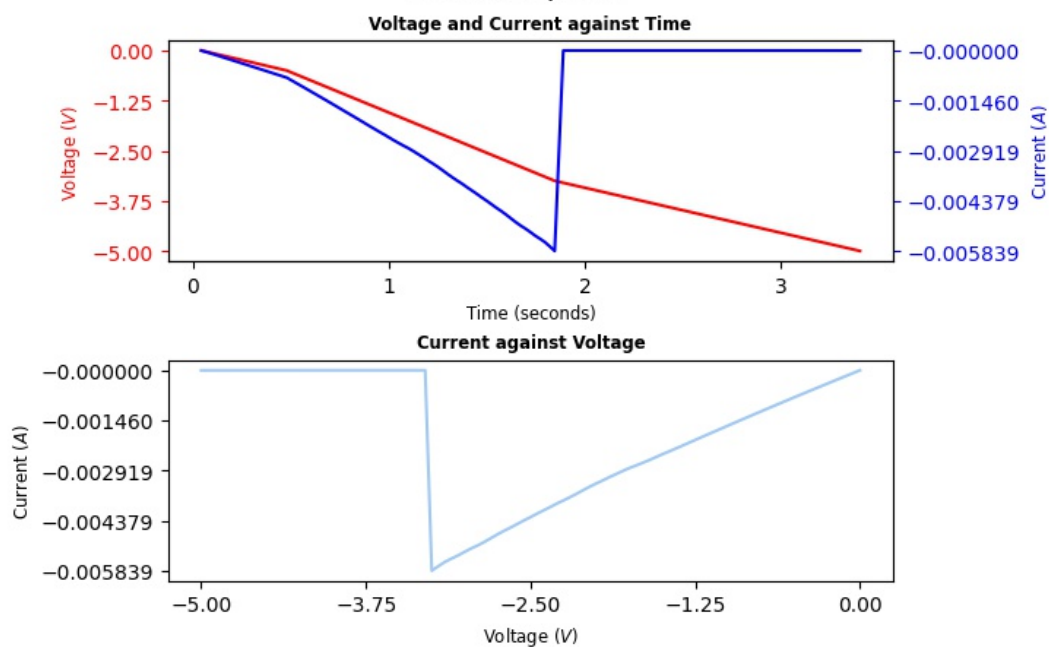
Platinum Voltage =

Copper Voltage =

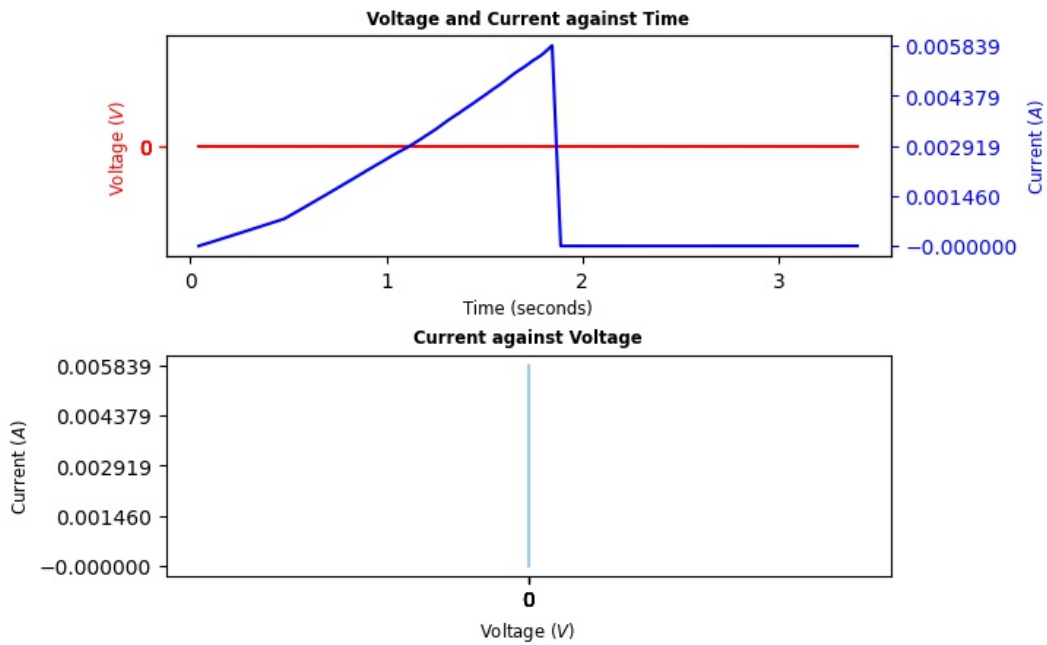
Run Folder Name = <2 probe, so invalid>

Comments = Successful reset, very smooth. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:45:00PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 40.0uA

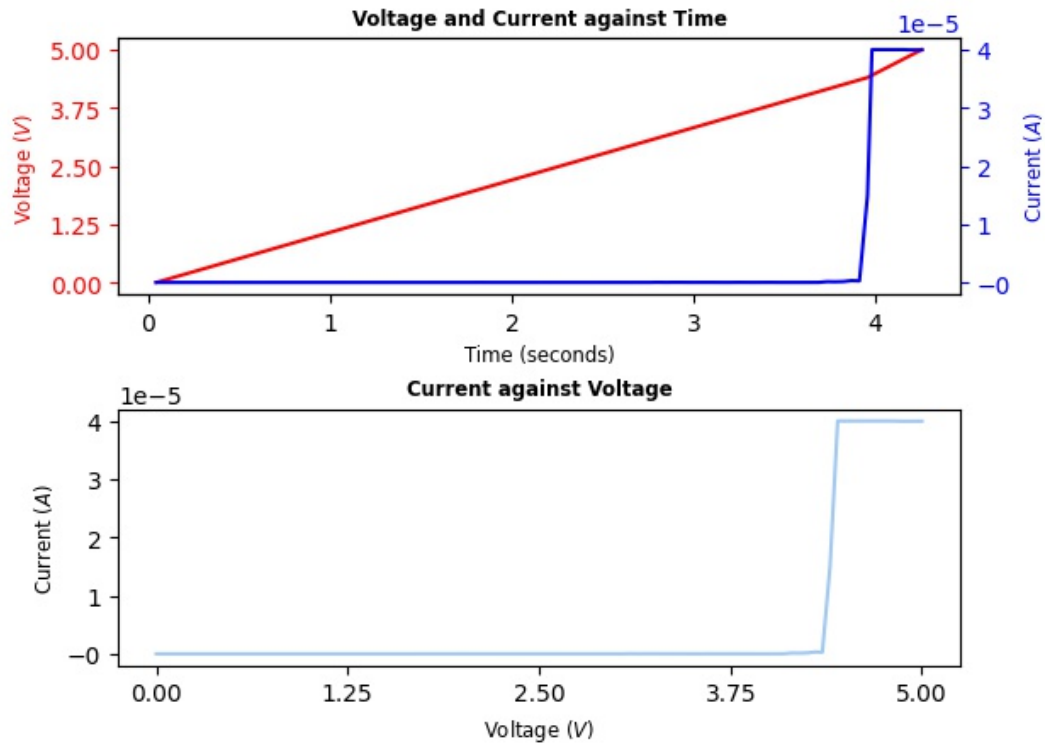
Platinum Voltage =

Copper Voltage =

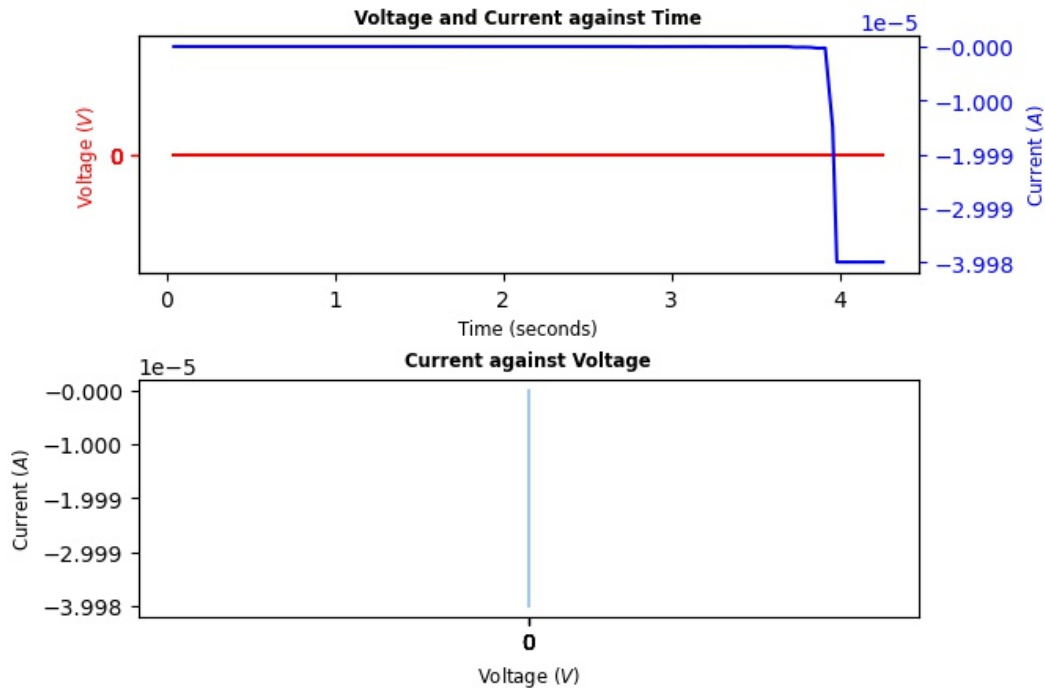
Run Folder Name = <2 probe, so invalid>

Comments = Set sucess. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots





Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

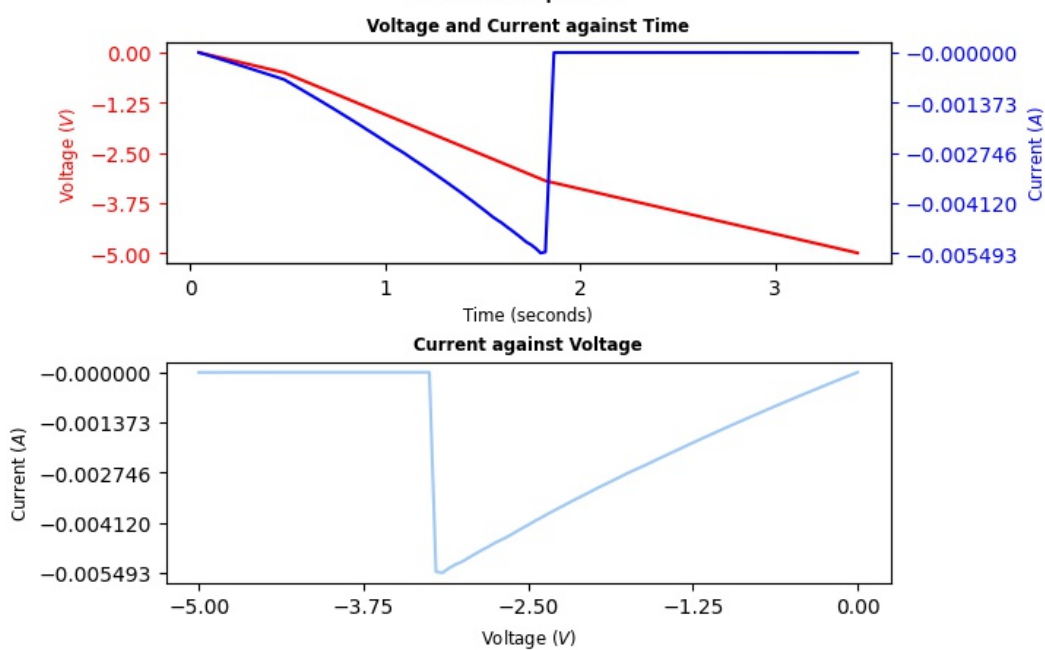
Platinum Voltage =

Copper Voltage =

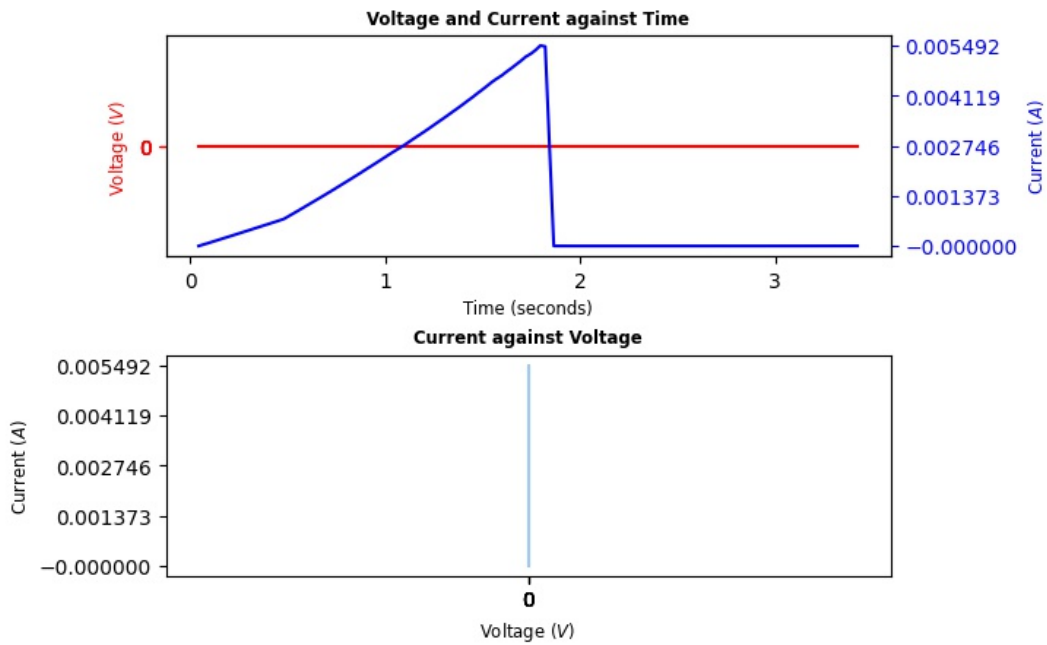
Run Folder Name = <2 probe, so invalid>

Comments = Successful reset. A: Copper, B: Platinum

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:47PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 10.0uA

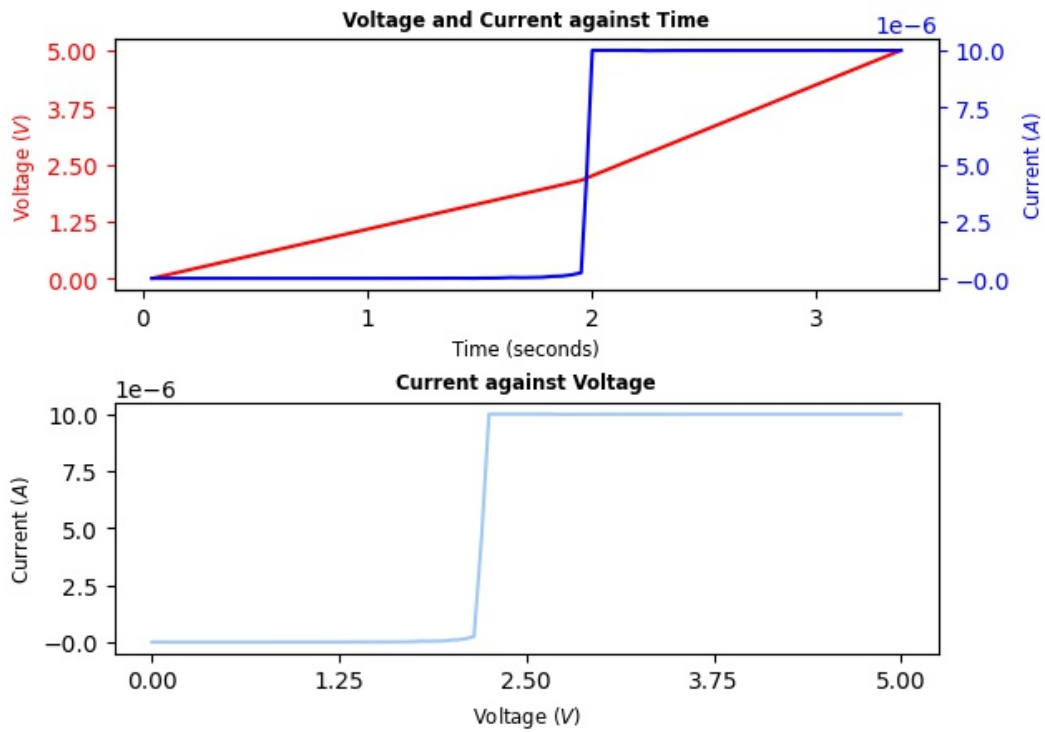
Platinum Voltage =

Copper Voltage =

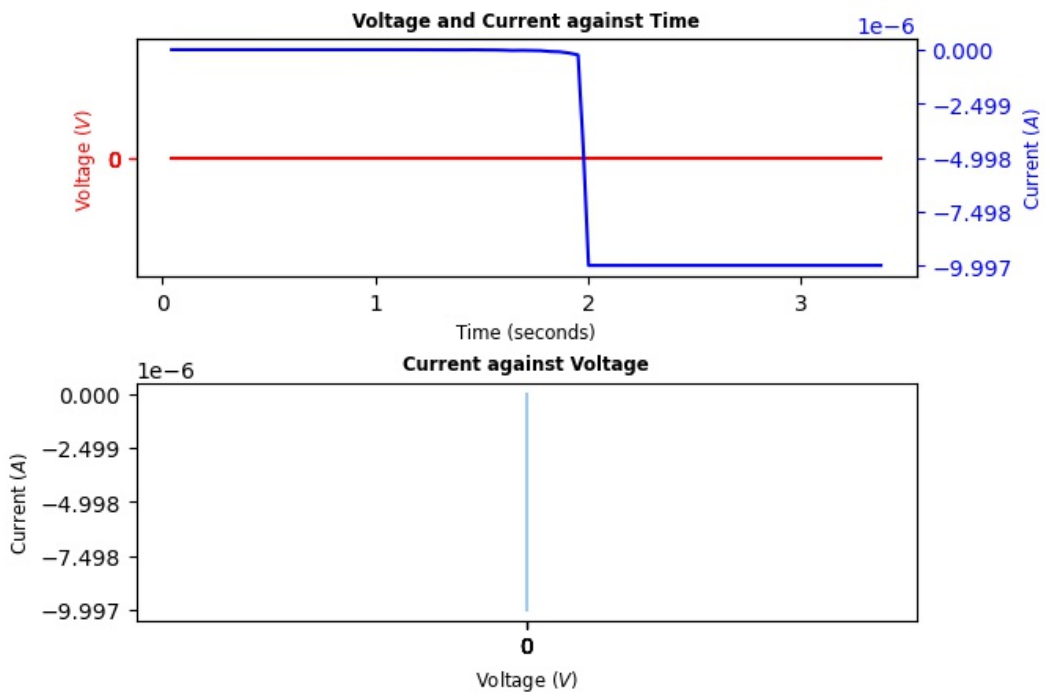
Run Folder Name = <2 probe, so invalid>

Comments = Successful set. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

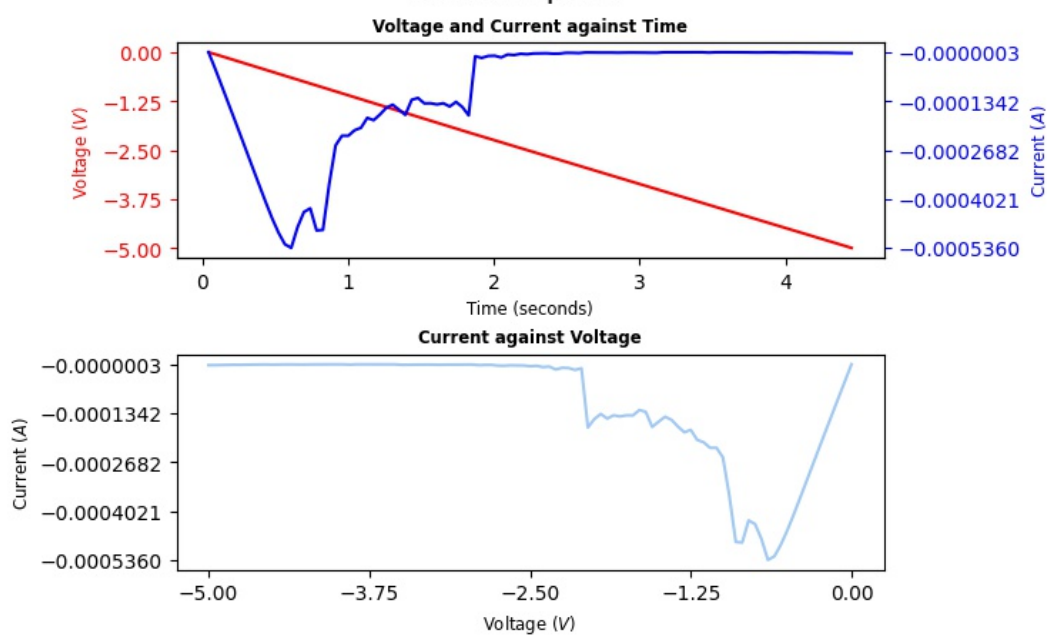
Platinum Voltage =

Copper Voltage =

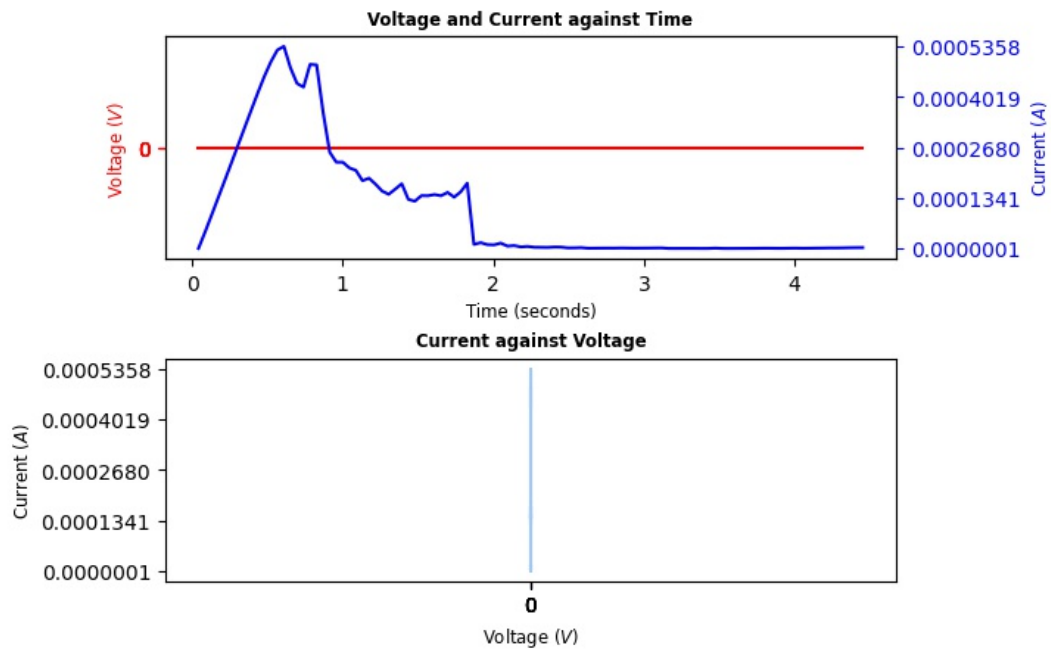
Run Folder Name = <2 probe, so invalid>

Comments = Successful reset, but very janky. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:51PM on 2022/February/28

Activity = set

Start Voltage = 0V

End Voltage = 5V

Ramp Rate = 1V/s

Compliance Current = 15.0uA

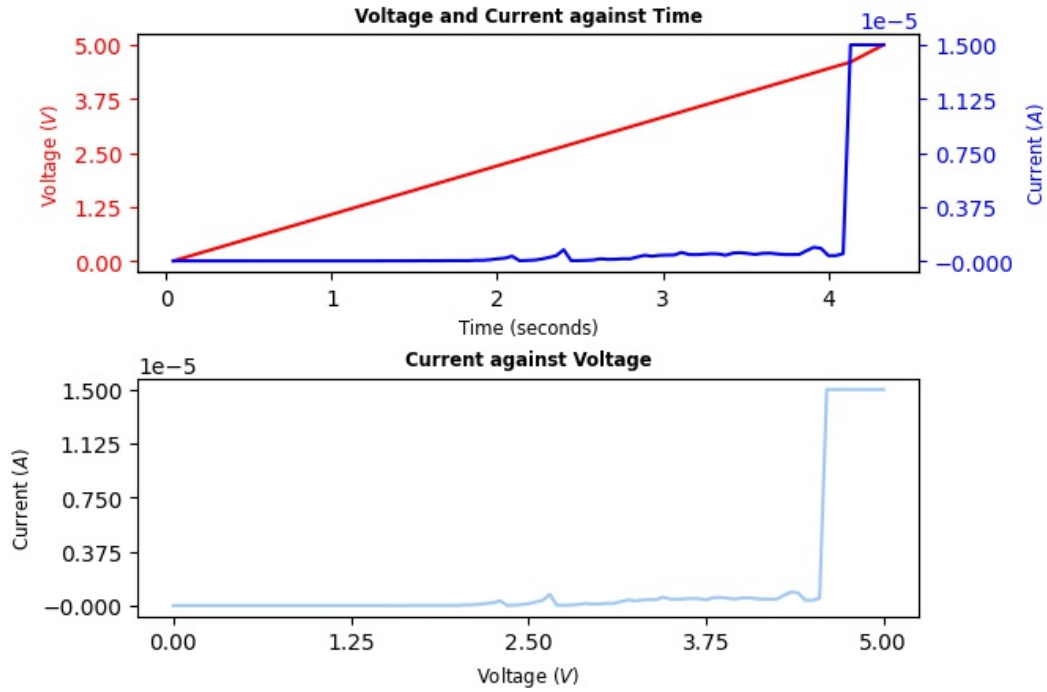
Platinum Voltage =

Copper Voltage =

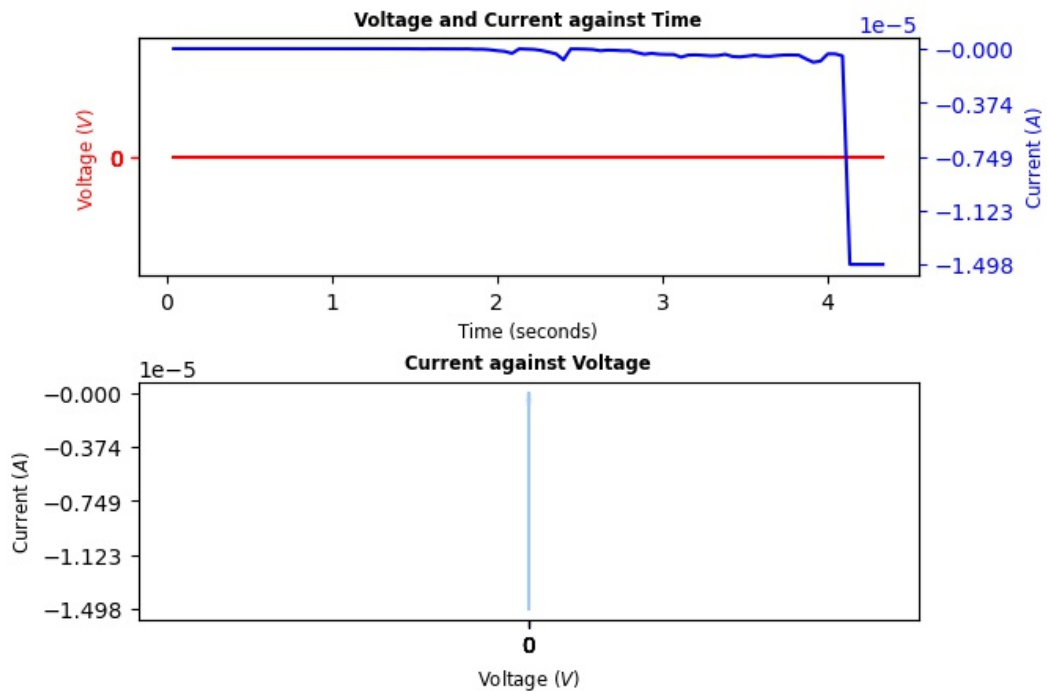
Run Folder Name = <2 probe, so invalid>

Comments = Successful set. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



Stimulated at 04:54PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

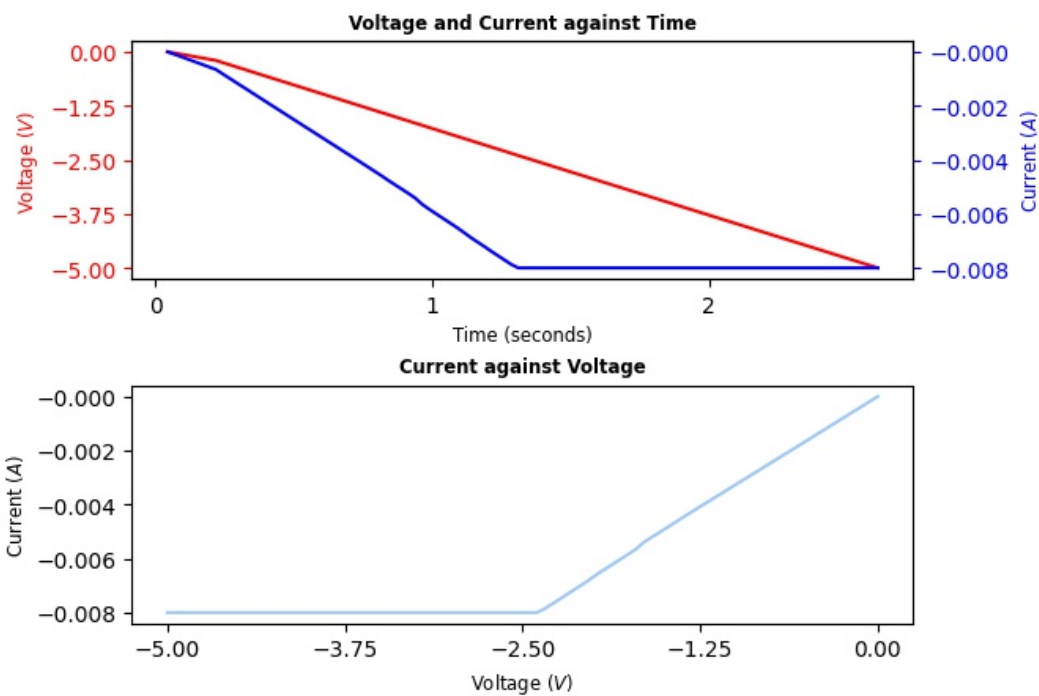
Platinum Voltage =

Copper Voltage =

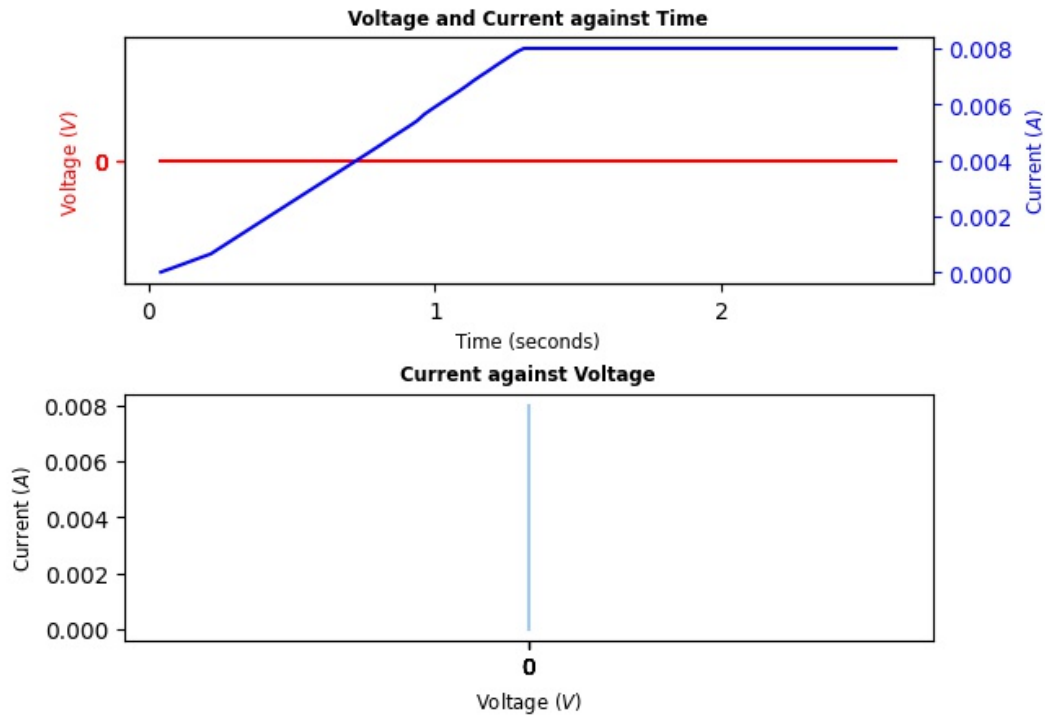
Run Folder Name = <2 probe, so invalid>

Comments = Reset failed. A: Copper, B: Platinum

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:55:04PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

Platinum Voltage =

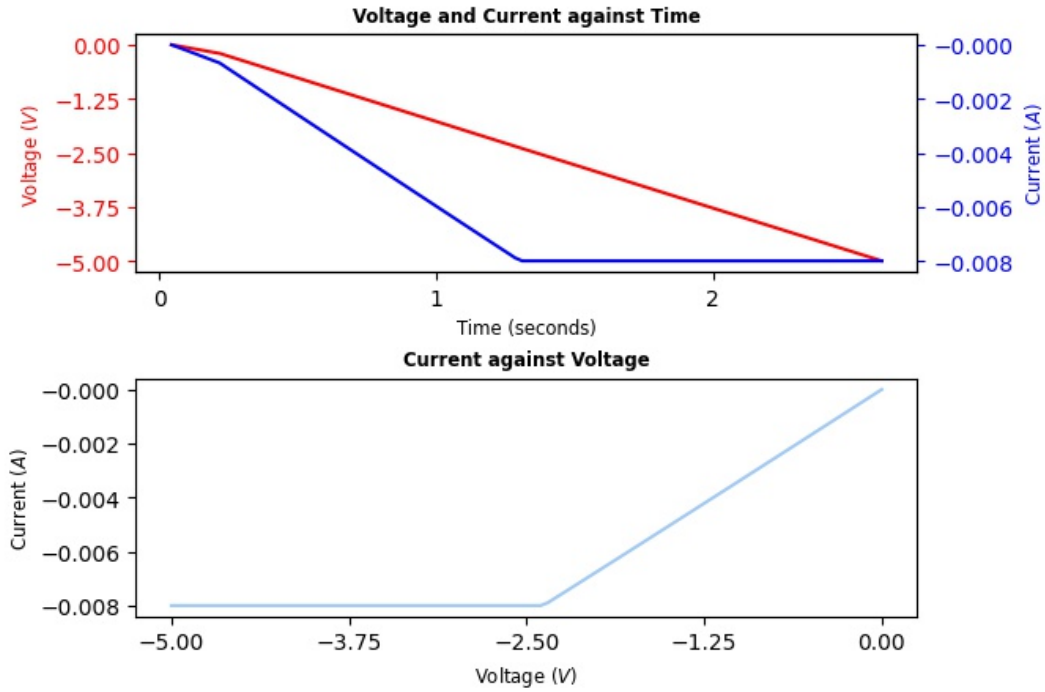
Copper Voltage =

Run Folder Name = <2 probe, so invalid>

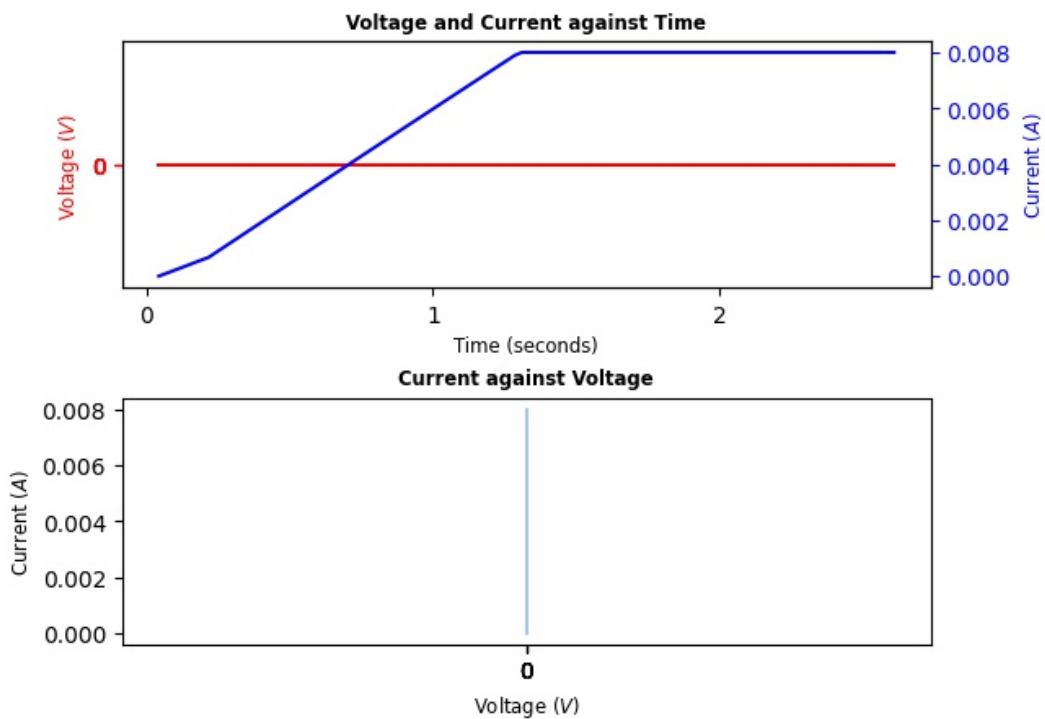
Comments = Reset failed. A: Copper, B: Platinum.



## Probe A plots



## Probe B plots



-----  
Stimulated at 04:55:32PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

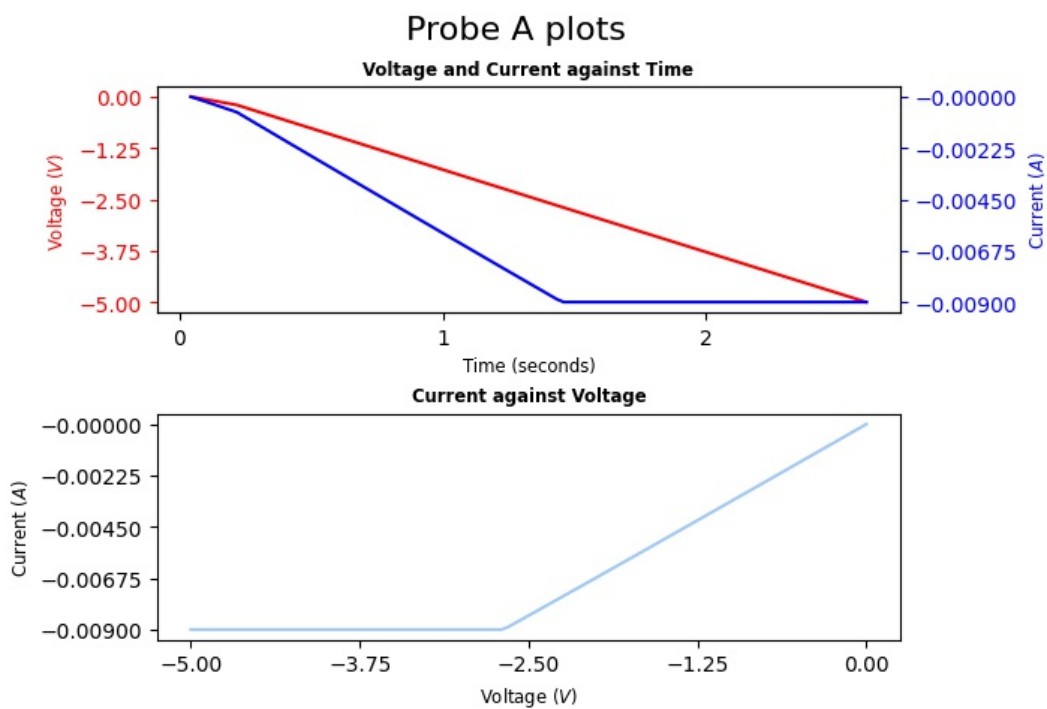
Compliance Current = 9.0mA

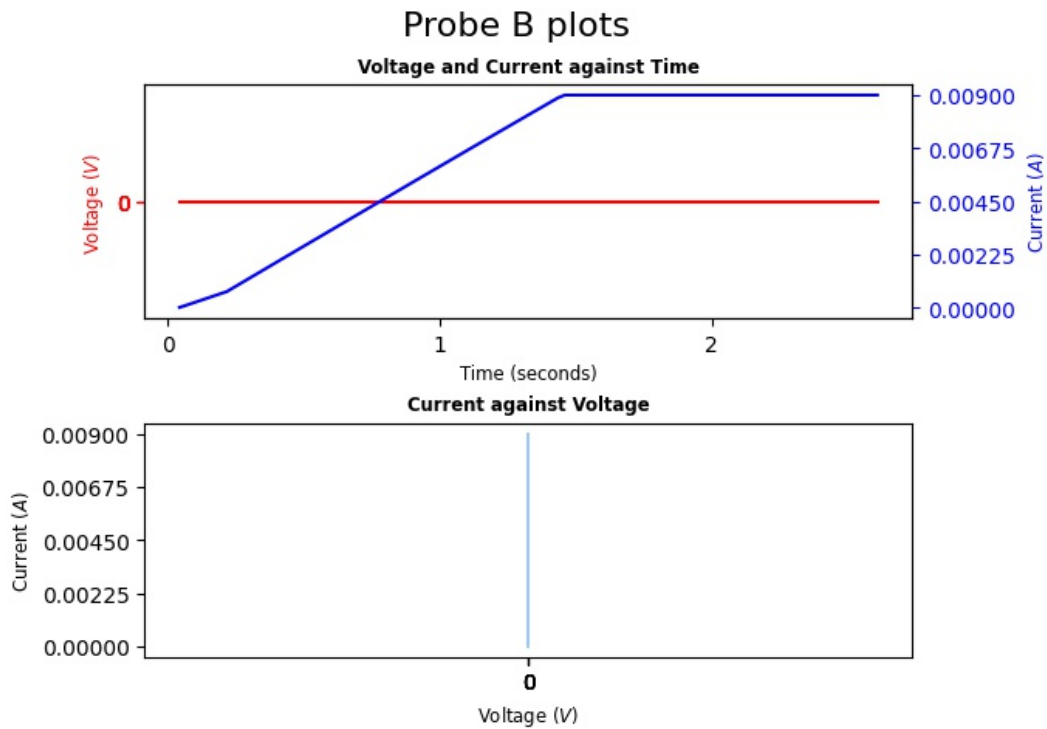
Platinum Voltage =

Copper Voltage =

Run Folder Name = <2 probe, so invalid>

Comments = Reset failed. Something wrong, cell is possibly burnt out (i.e. too strong of a filament. A: Copper, B: Platinum.





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Stimulated at 04:57PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 10.0mA

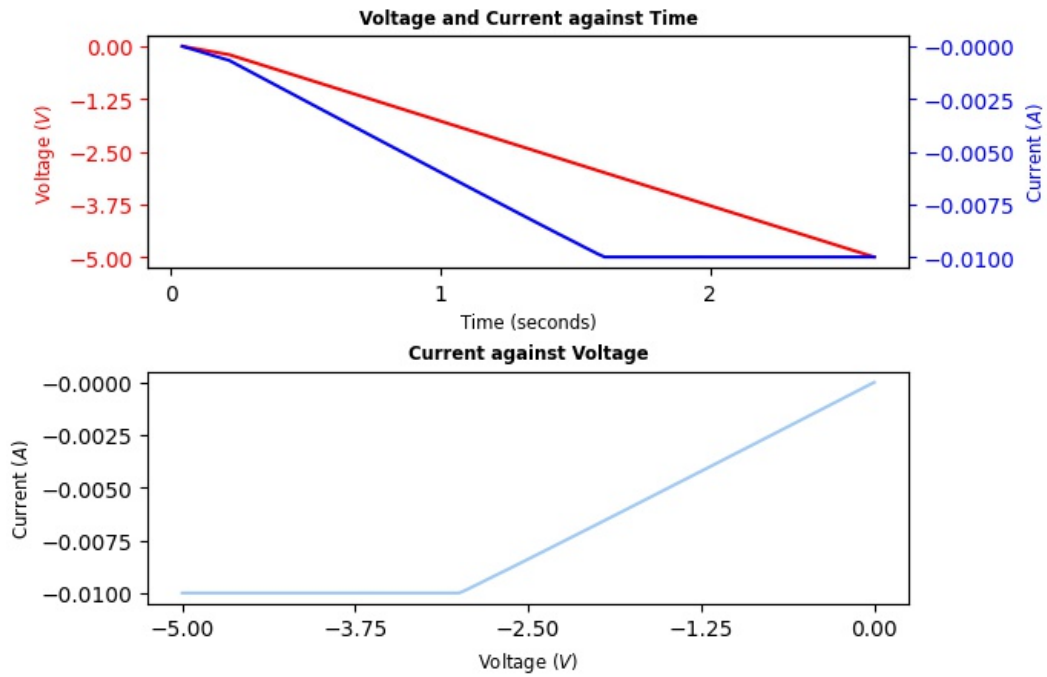
Platinum Voltage =

Copper Voltage =

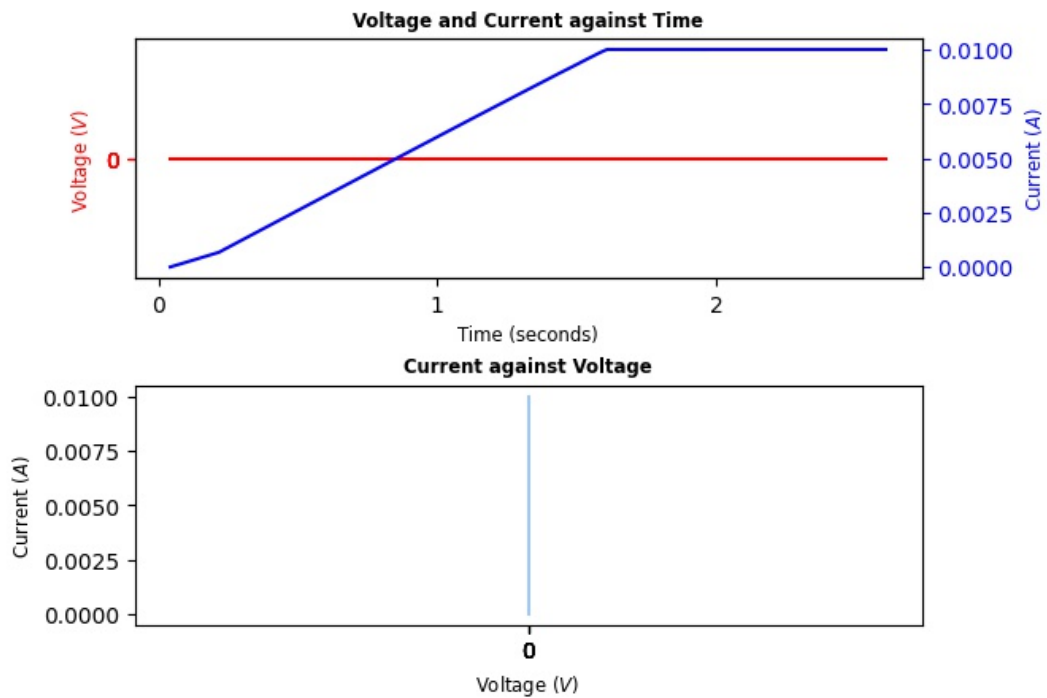
Run Folder Name = <2 probe, so invalid>

Comments = Reset failed. A: Copper, B: Platinum

## Probe A plots



## Probe B plots



-----  
Stimulated at 04:59:04PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 8.0mA

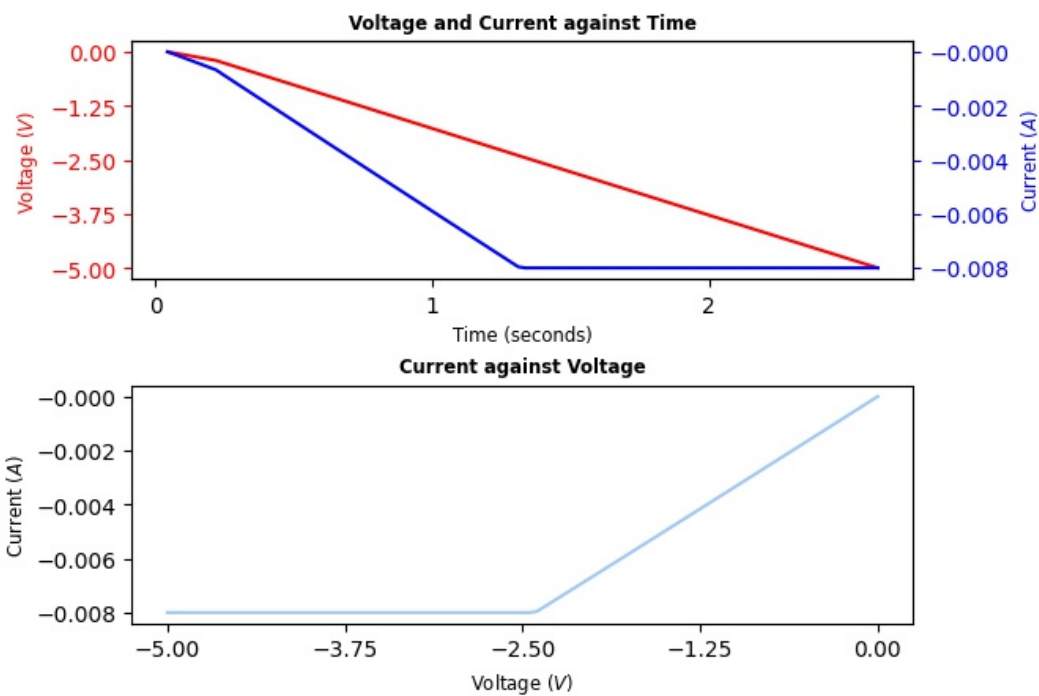
Platinum Voltage =

Copper Voltage =

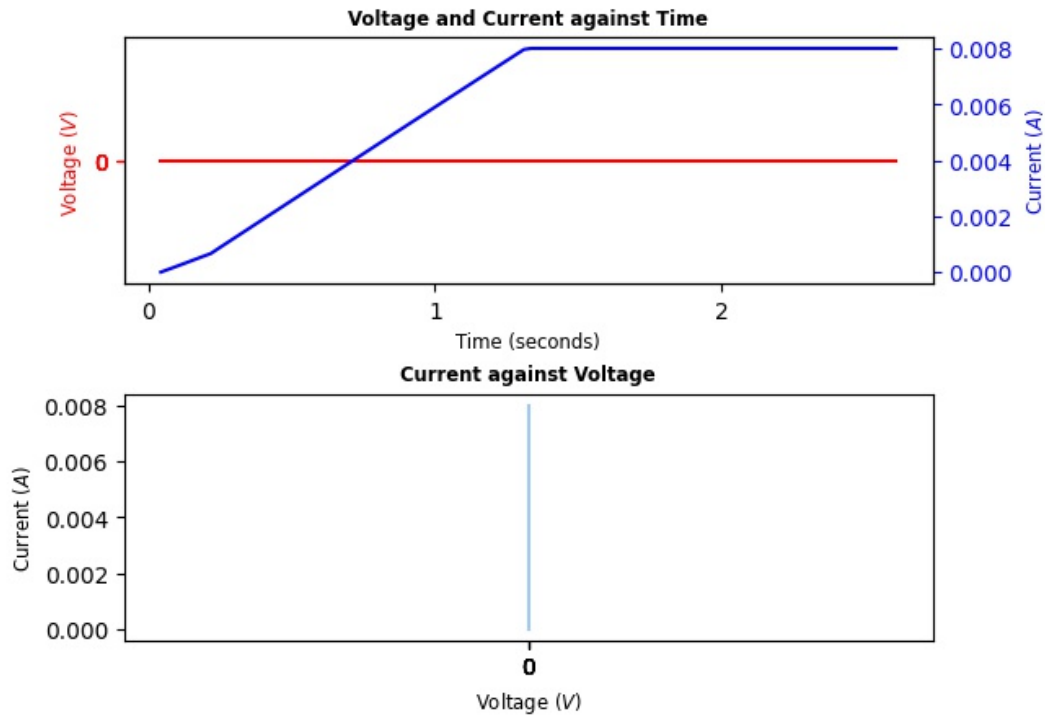
Run Folder Name = <2 probe, so invalid>

Comments = Failed reset again. A: Copper, B: Platinum.

### Probe A plots



## Probe B plots



-----  
Stimulated at 04:59:43PM on 2022/February/28

Activity = reset

Start Voltage = 0V

End Voltage = -5V

Ramp Rate = 1V/s

Compliance Current = 15.0mA

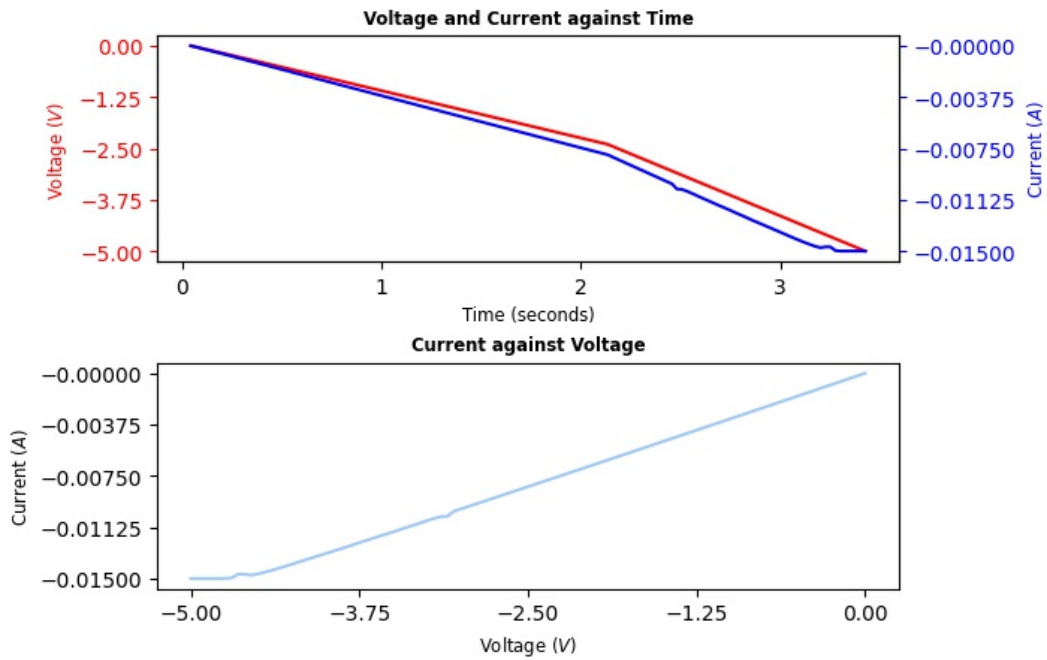
Platinum Voltage =

Copper Voltage =

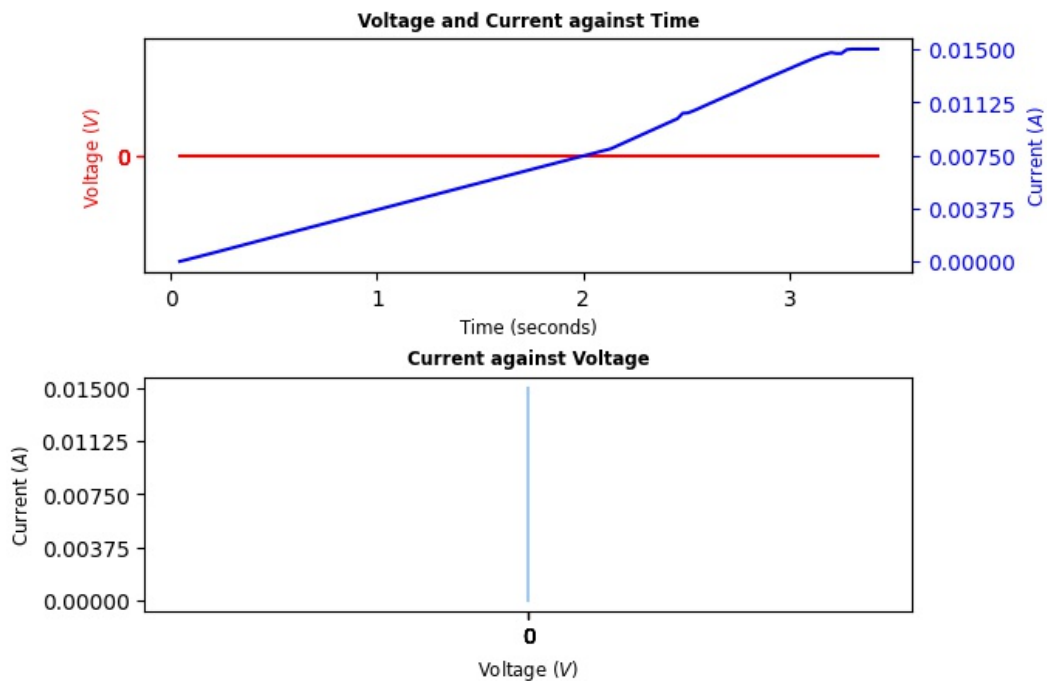
Run Folder Name = <2 probe, so invalid>

Comments = Reset fail. Cell damage confirmed. A: Copper, B: Platinum.

## Probe A plots



## Probe B plots



-----  
Stimulated at 05:01PM on 2022/February/28

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 = 15.0uA

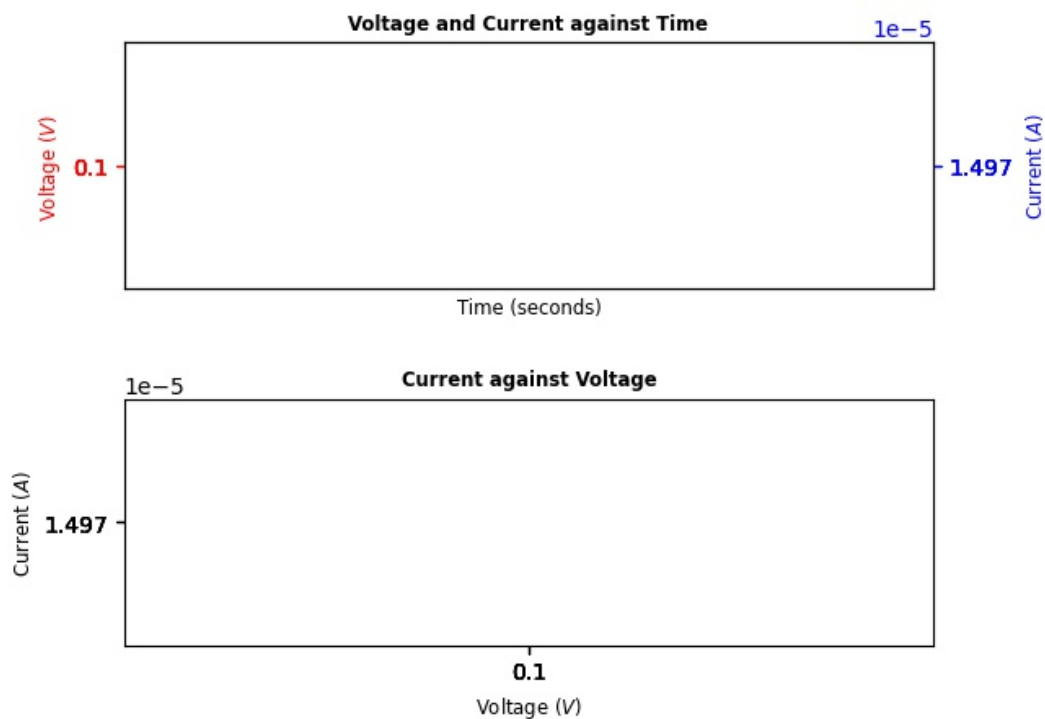
Platinum Voltage = 0V

Copper Voltage = 0.1V

Run Folder Name = <2 probe, so invalid>

Comments = Cell confirmed stuck in set position. A: Copper, B: Platinum.

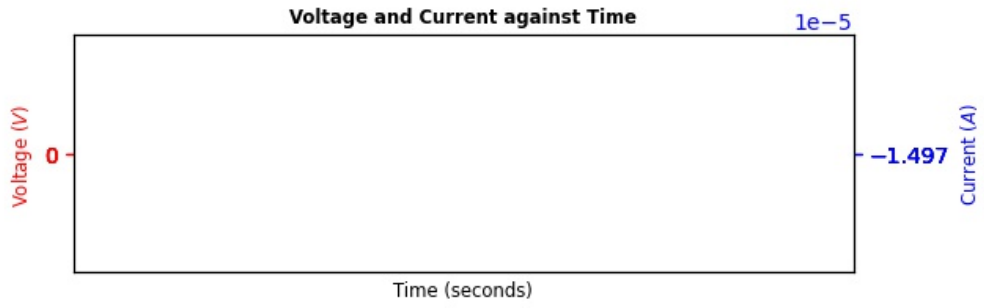
## Probe A plots



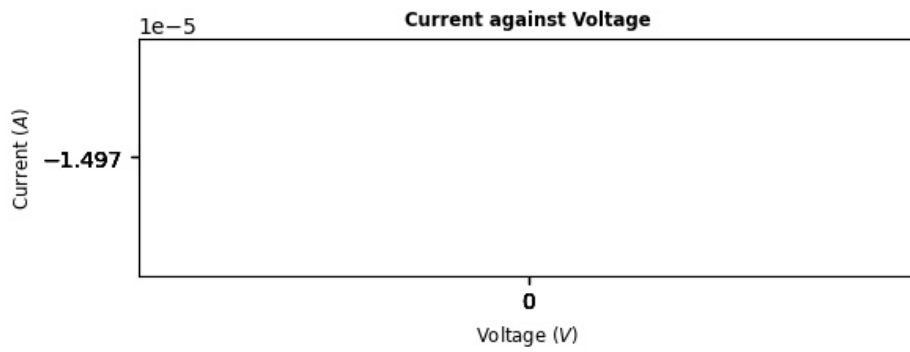


## Probe B plots

Voltage and Current against Time



Current against Voltage



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