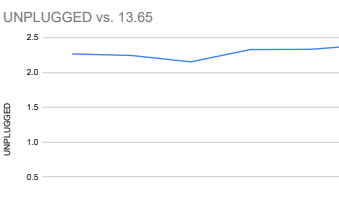
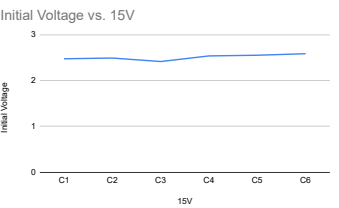
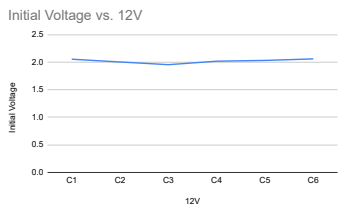
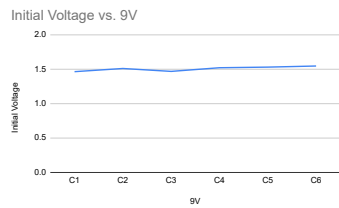
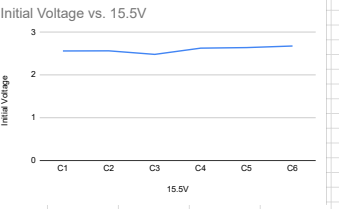
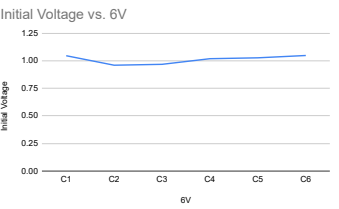
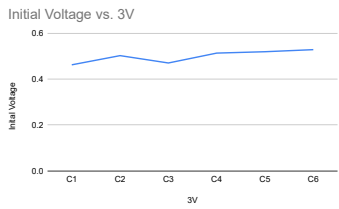
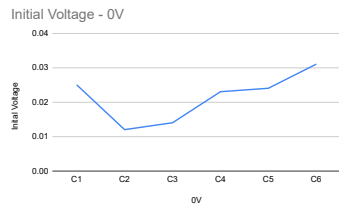


3V 100F SuperCapacitor Charging at -1A

| | 0 | Initial Voltage | Difference | 3V | Initial Voltage | % Difference | 6V | Initial Voltage | % Difference | 9V | Initial Voltage | % Difference | 12V | Initial Voltage | % Difference | 15V | Initial Voltage | % Difference | 15.5V | Initial Voltage | % Difference | | 13.65 | UNPLUGGED | |
|-----------------|---|-----------------|------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-------|-----------|-------|
| C1 | | 0.025 | 0.03 | C1 | 0.462 | 0.04 | C1 | 1.045 | -0.04 | C1 | 1.461 | 0.04 | C1 | 2.052 | -0.05 | C1 | 2.472 | 0.03 | C1 | 2.56 | 0.02 | C1 | | 2.27 | 0.00 |
| C2 | | 0.012 | 0.01 | C2 | 0.502 | 0.00 | C2 | 0.959 | 0.04 | C2 | 1.507 | -0.01 | C2 | 2.002 | 0.00 | C2 | 2.488 | 0.01 | C2 | 2.563 | 0.02 | C2 | | 2.248 | 0.03 |
| C3 | | 0.014 | 0.01 | C3 | 0.47 | 0.03 | C3 | 0.967 | 0.03 | C3 | 1.465 | 0.03 | C3 | 1.953 | 0.05 | C3 | 2.412 | 0.09 | C3 | 2.48 | 0.10 | C3 | | 2.156 | 0.12 |
| C4 | | 0.023 | 0.02 | C4 | 0.513 | -0.01 | C4 | 1.018 | -0.02 | C4 | 1.518 | -0.02 | C4 | 2.016 | -0.02 | C4 | 2.534 | -0.03 | C4 | 2.626 | -0.04 | C4 | | 2.333 | -0.06 |
| C5 | | 0.024 | 0.02 | C5 | 0.519 | -0.02 | C5 | 1.026 | -0.03 | C5 | 1.527 | -0.03 | C5 | 2.03 | -0.03 | C5 | 2.549 | -0.05 | C5 | 2.639 | -0.06 | C5 | | 2.336 | -0.06 |
| C6 | | 0.031 | 0.03 | C6 | 0.528 | -0.03 | C6 | 1.047 | -0.05 | C6 | 1.543 | -0.04 | C6 | 2.058 | -0.06 | C6 | 2.582 | -0.08 | C6 | 2.676 | -0.09 | C6 | | 2.4 | -0.13 |
| Expected Value: | | 0 | | Expected Value: | 0.5 | | Expected Value: | 1 | | Expected Value: | 1.5 | | Expected Value: | 2 | | Expected Value: | 2.5 | | Expected Value: | 2.58333333 | | Expected Value: | 2.275 | | |



3V 100F SuperCapacitor Charging at -2A

| 0V | Initial Voltage | Diff from Expt. | 15.5V | Voltage | Diff from Expt. |
|----------------------|-----------------|-----------------|-------|------------------------------|-----------------|
| C1 | 0.033 | -0.03 | C1 | 2.571 | 0.01 |
| C2 | 0.043 | -0.04 | C2 | 2.564 | 0.02 |
| C3 | 0.008 | -0.01 | C3 | 2.506 | 0.08 |
| C4 | 0.103 | -0.10 | C4 | 2.613 | -0.03 |
| C5 | 0.088 | -0.09 | C5 | 2.626 | -0.04 |
| C6 | 0.11 | -0.11 | C6 | 2.655 | -0.07 |
| EXPECTED VOLTAGE: 0V | | | 0 | EXPECTED VOLTAGE: 2.58333333 | |

TIME TAKEN TO REACH 15.5V (C6 at 2.6V) ----- 2:10

