

Battery Aging and Impedance Analysis

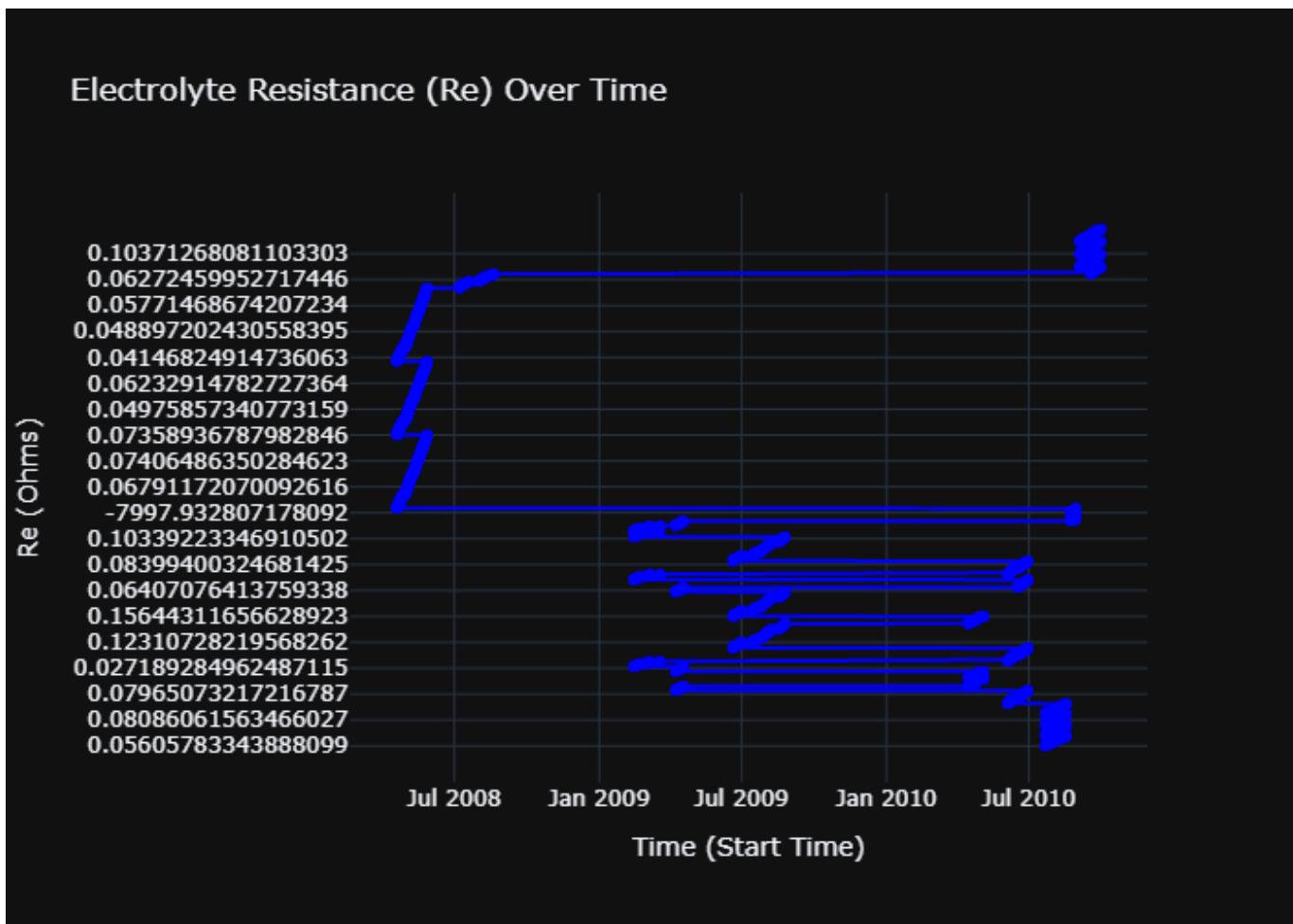
This report presents an analysis of the aging process of Li-ion batteries, based on the NASA Battery Dataset.

The analysis includes battery impedance (Re and Rct) measurements, which were taken over several charge/discharge cycles.

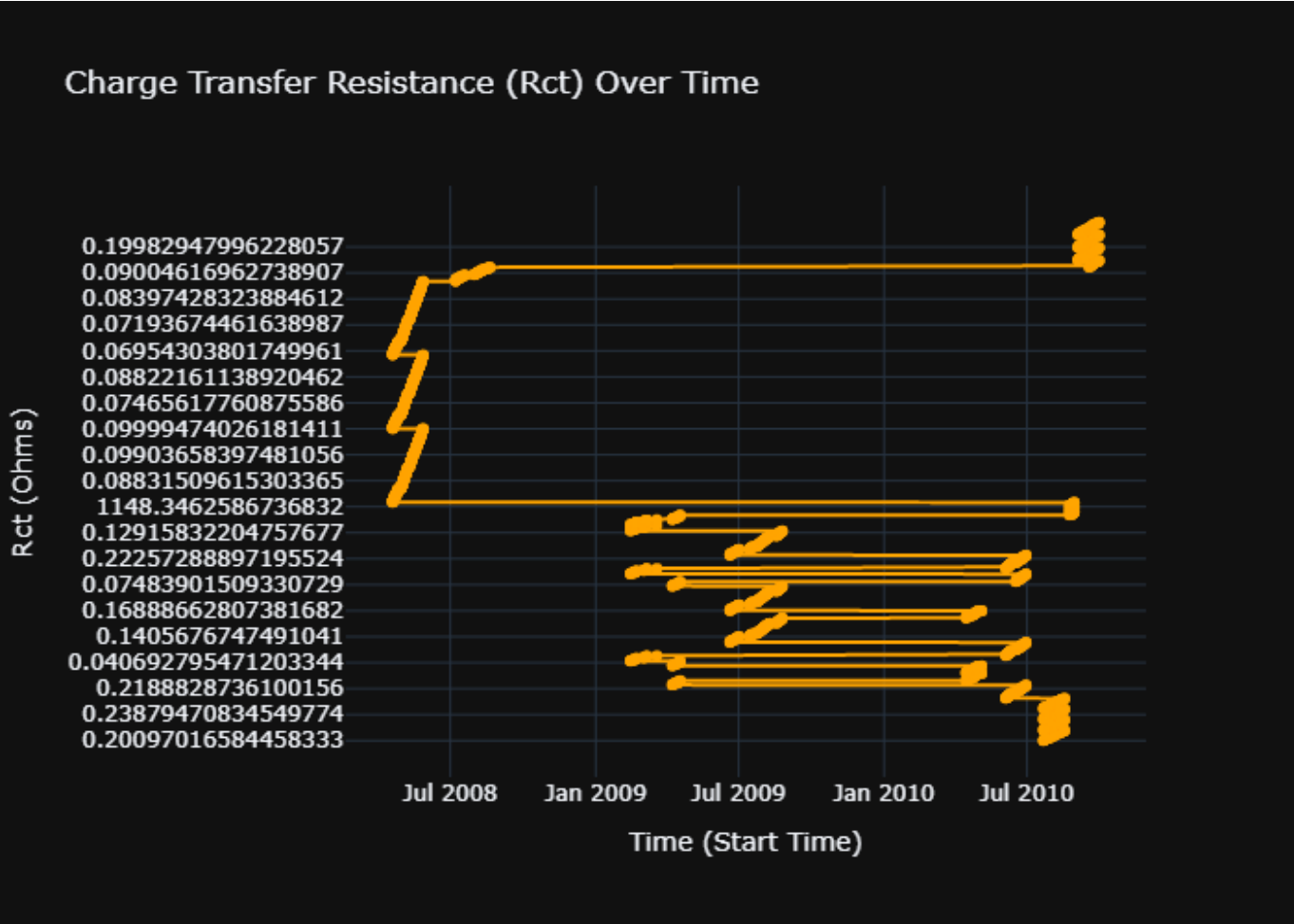
The plots below show how the battery parameters change as the battery ages.

The experiments were stopped when the batteries reached their end-of-life (EOL) criteria.

Plot 1: Re (Electrolyte Resistance) over Time



Plot 2: Rct (Charge Transfer Resistance) over Time



Plot 3: Combined Re and Rct over Time

