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## Characterization of Individual Pulsed Power Modules on the Saturn Accelerator

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In 2014 the Saturn accelerator located at Sandia National Laboratories was brought back online after nearly a year of inactivity. The Saturn accelerator is made up of 36 individual pulsed power lines which consist of a 2.7-MV Marx generator, intermediate storage capacitor, 3-MV rim fire gas switch, pulse forming and transmission line. Each component has an individual diagnostic that measures either voltage or current. In this paper I will describe the methods used to characterize each diagnostic and how a full single line system characterization was accomplished.

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