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Software Development for the Commissioning of the Jefferson Lab Hall B Silicon Vertex Tracker JUSTIN RUGER, Christopher Newport University, VERONIQUE ZIEGLER, YURI GOTRA, GAGIK GAVALIAN, Jefferson Lab — One of the new additions to Hall B at the Thomas Jefferson National Accelerator Facility is a Silicon Vertex Tracker system that includes 4 regions with 10, 14, 18, 24 sectors of double-sided modules. Recently, the SVT hardware group has completed construction and installation of regions one and two on a cosmic ray test stand. This test setup will be used to preform the first cosmic ray efficiency analysis of the SVT with the availability of 8 measurement layers. In order to study efficiency and module performance, a set of software packages had to be written to decode, analyze and provide feedback on the output from data acquisition. This talk will provide an overview of the software validation suite designed and developed for Hall B and a report on its current utilization for SVT cosmic data analysis.

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