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Archiver Appliance at APS Accelerator: Overview and Practices

Saturday 20 September 2025 14:05 (5 minutes)

The Archiver Appliance at the APS accelerator records, stores, and manages process variable data to support operations and machine studies. This talk provides an overview of the deployment, including the process variables monitored, CPU and memory usage, storage rates, and hardware setup. We describe how sampling specifications (rate and method) are determined based on process variable type, update rate, and size, and how Python scripts are used to manage and retrieve process variables. Practical examples illustrate how archived data supports monitoring, troubleshooting, and accelerator studies.

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