

Hall C EPICS Project Status Report

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DSG Staff: Peter Bonneau, Pablo Campero, Tyler Lemon

1. EPICS Development

1.1. Development of PLC to EPICS IOC for EthernetIP driver proof-of-concept test.

1.1.1. Added a runtime counter to PLC to indicate duration that PLC has been running in EtherIP test.

1.1.2. Added runtime counter to IOC to indicate duration that IOC has been running in EtherIP test.

The screenshot shows the CSS-BOY interface for the 'EtherIP IOC-to-PLC Test'. At the top right, there are three summary statistics: total PLC runtime - seconds (334254), total PLC runtime - minutes (5570), and total PLC runtime - hours (92). The main area is divided into three sections: 'REAL - from arrays', 'DINT - from arrays', and 'REAL - individual tags'. Each section contains a grid of numerical values. Below these, there are sections for 'DINT - individual tags' and 'Various Tag Types', which show specific tag values and their states (TRUE/FALSE).

EitherIP IOC-to-PLC Test CSS-BOY screen