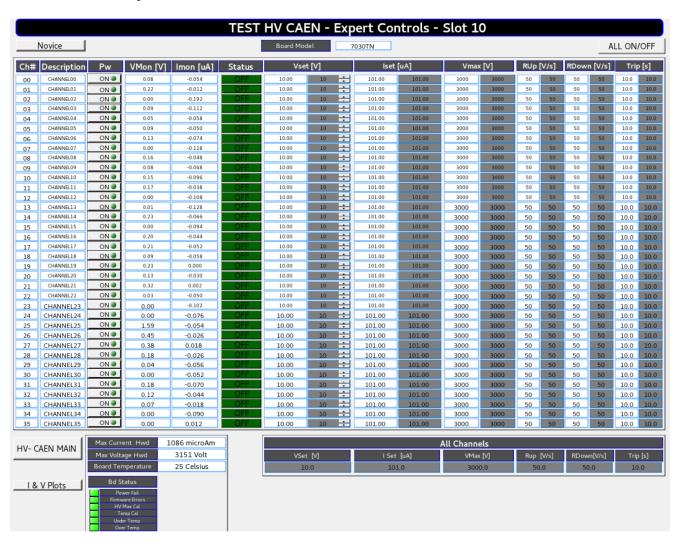
HV-EPICS Test Station Status Report

Date: July 17, 2019

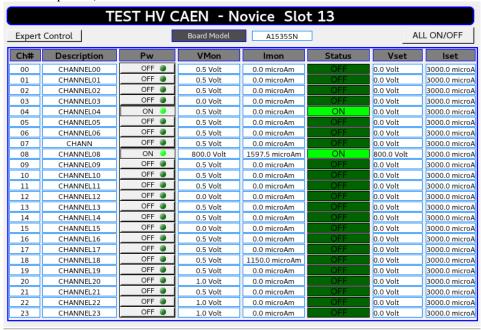
DSG Staff: Pablo Campero

- 1. Developed 48 CSS-BOY screens to test HV board model CAEN-7030TN.
 - 1.1. Novice, Expert Controls, and V and I Monitor CSS-BOY screens developed for each slot (x16) to allow simultaneous testing of the HV CAEN-7030TN boards.
 - 1.2. Replicated and modified previous developed Java script used for boards model CAEN-7435 to generate 96 Java scripts to set the value of all 36 channels of one or more of the six variables (output voltage, current limit, maximum output voltage, ramp up, ramp down and trip time).

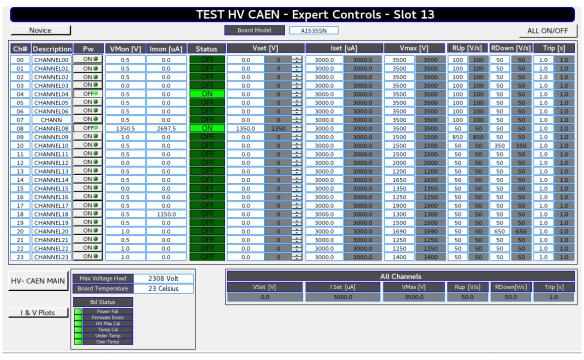


Example for HV-CAEN-7030TN-Expert Control CSS-BOY screen developed for slot 10

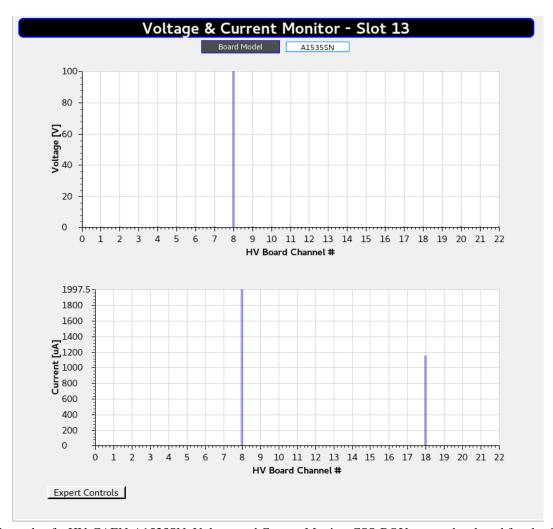
- 2. Developed 24 CSS-BOY screens to test HV board model CAEN-A1535.
 - 2.1. Each HV-A1535 board fills two slots of the CAEN-SY4527 mainframe.
 - 2.2. Novice, Expert Controls, and V and I Monitor CSS-BOY screens developed for each slot (x8) to allow simultaneous testing of the HV CAEN-7030TN boards.
 - 2.3. Replicated and modified previous Java script used for boards model CAEN-7435 to generate 48 Java scripts to set the value of all 24 channels of one or more of the six variables (output voltage, current limit, maximum output voltage, ramp up, ramp down and trip time).



Example of a HV-CAEN-A1535SN-Novice CSS-BOY screen developed for slot 13



Example of a HV-CAEN-A1535SN-Expert Controls CSS-BOY screen developed for slot 13



Example of a HV-CAEN-A1535SN-Voltage and Current Monitor CSS-BOY screen developed for slot 13

3. Added all HV-CAEN—Expert Controls, Novice and V & I monitor CSS-BOY screens for HV-CAEN A7030TN and A1535 boards to drop down menu in SY4527 MAINFRAME screen to allow navigation between screens.