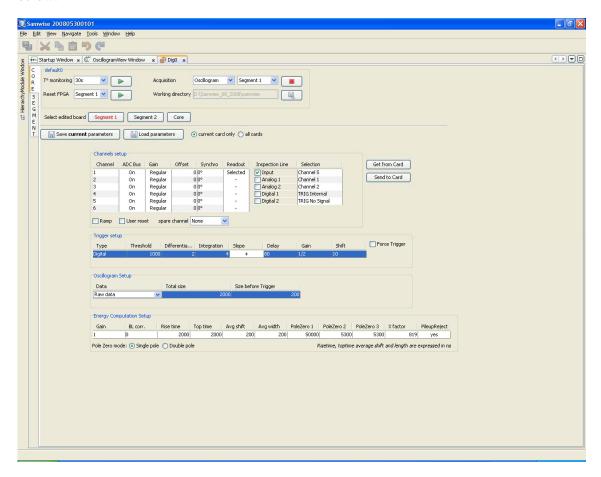
Agata_Digitiser_Offset_and_gain_test

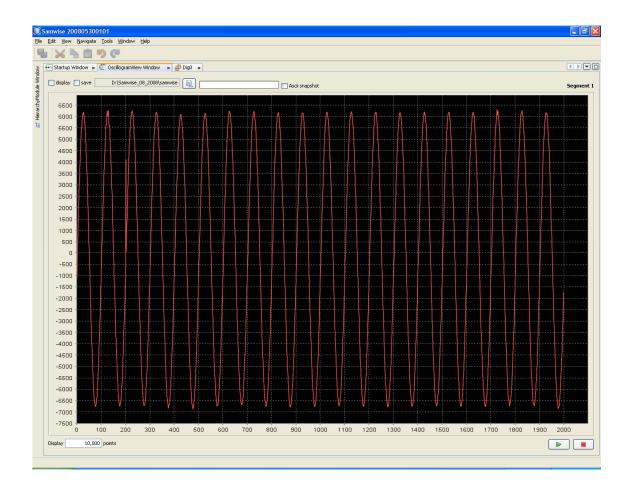
The Ramp test does not excersise all the adc codes.

Use cmode to diff mode converter Nim module (designed bt iphc-drs, Strasburg), to drive dummy sine wave to the digitisers cards.

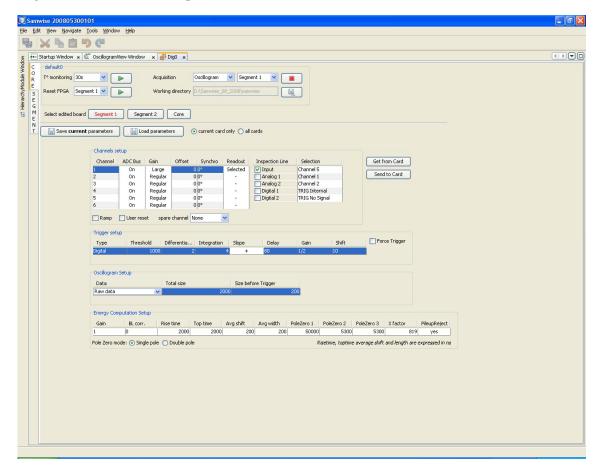
Set input for the above Nim module at 1V pk-pk, load terminated at 50R.

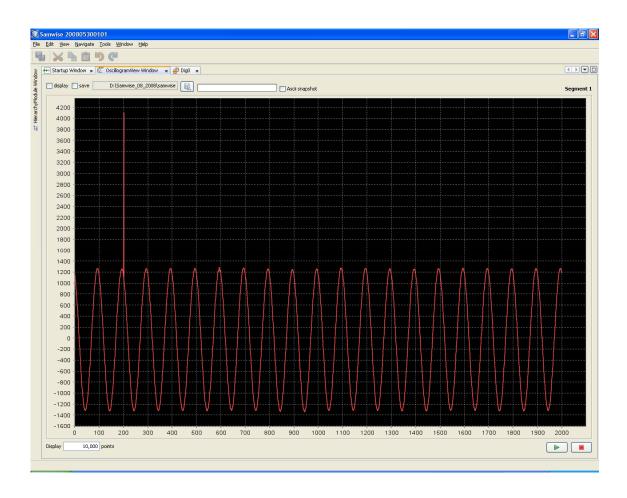
Select channel (as shown below), send it to card ("Send to Card", make sure that box is deselected before sending to card for change to take effect) and acquire the data as shown below.



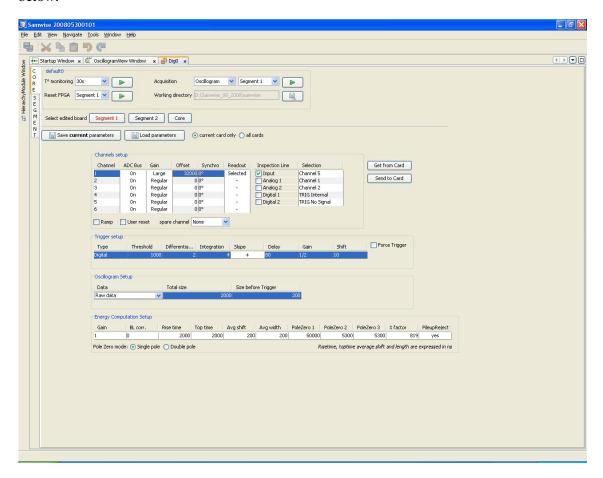


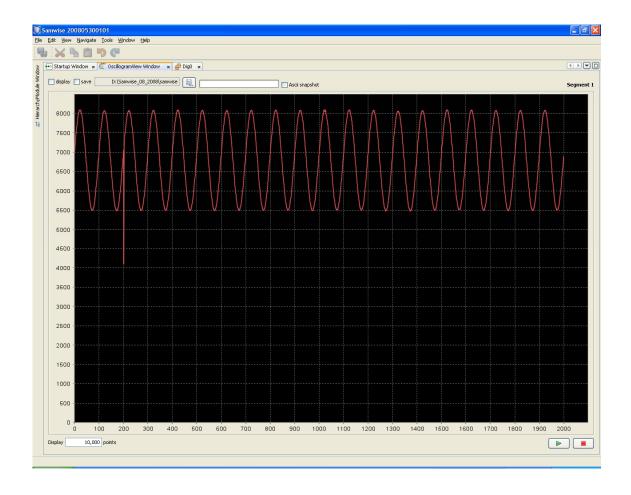
Under gain, (large, x5, refers to the preamp output, not the gain of the adc input driver) select large, send it to card and acquire the data as shown below.



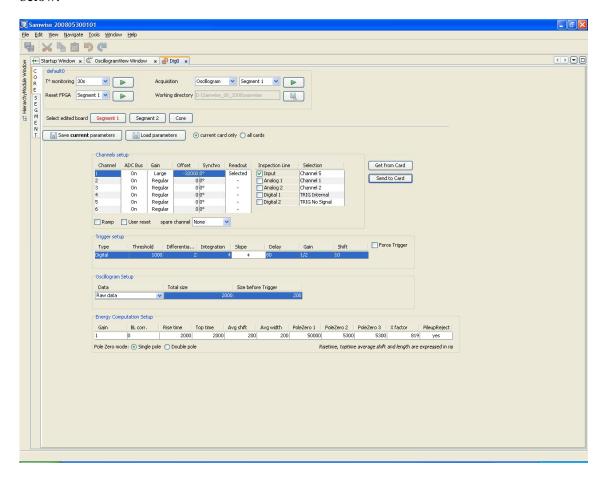


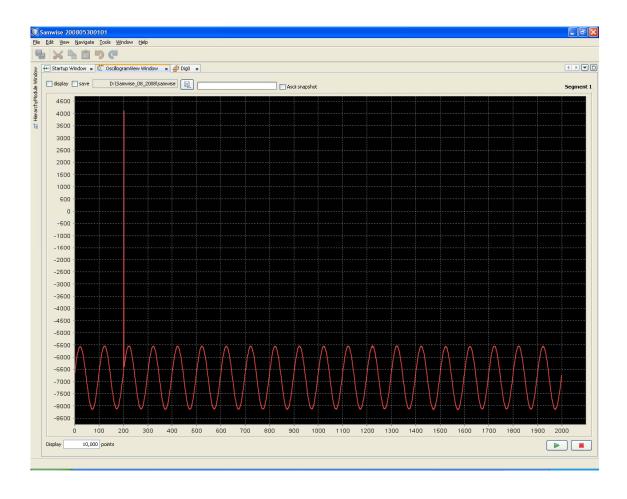
Under offset, type 32000 (max positive offset) , send it to card and acquire the data as shown below.





Under offset, type 32000 (max negative offset) , send it to card and acquire the data as shown below.





Repeat for all 6 channels and all cards in the system (6 segment, one core).