

Changes to the Discriminator Info word for Version 8 of the AIDA and LYCCA DAQ and firmware.

The transition to V8 of the DAQ and firmware has included a change to the data format of the discriminator info data item.

The info data item :-

Bit Position	31	30	29 to 24	23 to 20	19 to 0
Field Value	1	0	Module Number	Information Code	Information Field
Bit Position	31 to 28		27 to 0		
Field Value	0		Timestamp 27:0		

In V8 the Information Field will change to :-

Bit Position	19 to 16	15 to 0
Field Value	ASIC number	Discriminator Pattern

The Discriminator Pattern has a bit set if the corresponding ASIC channel discriminator had gone true at the time given by the Timestamp value.

So Pattern value 0xA050 => channels 15,13,6 and 4 have gone true.