

## 1. Comblock command structure

Comblock command	Respond
SELECT_COMBLOCK<COMBLOCK.NO>	<REPORT><LENGTH >
WRITE_REG <ADDR><VALUE>	<REPORT><LENGTH >
READ_FIFO_CONT<NO.SAMPLES(32BITWIDE)>	< REPORT >< LENGTH >

### Command

SELECT\_COMBLOCK    -> 9  
WRITE\_REG           -> 4  
READ\_FIFO\_CONT      -> 10  
FIFO\_STOP           -> 11

### REPORT

0 -> Failure  
1 -> Success  
2 -> overflow  
3 -> underflow  
4 -> logging enabled  
5 -> logging disabled

## 2. HiCCE acquisition flow

### Vivado

- \*Configuration registers of all 4 INTAN chips in the HiCCEv2 connected to register 0-3 of the COMBLOK0
- \*Read INTAN register connected to register 4 of the COMBLOK0
- \*Software reset of the INTAN is tied to register 5 of the COMBLOK0
- \*Data of INTAN A and B (16bit each) connected to the FIFO in the COMBLOK0
- \*Data of INTAN C and D connected to the FIFO in the COMBLOK1

## PC Software flow (LABVIEW)

