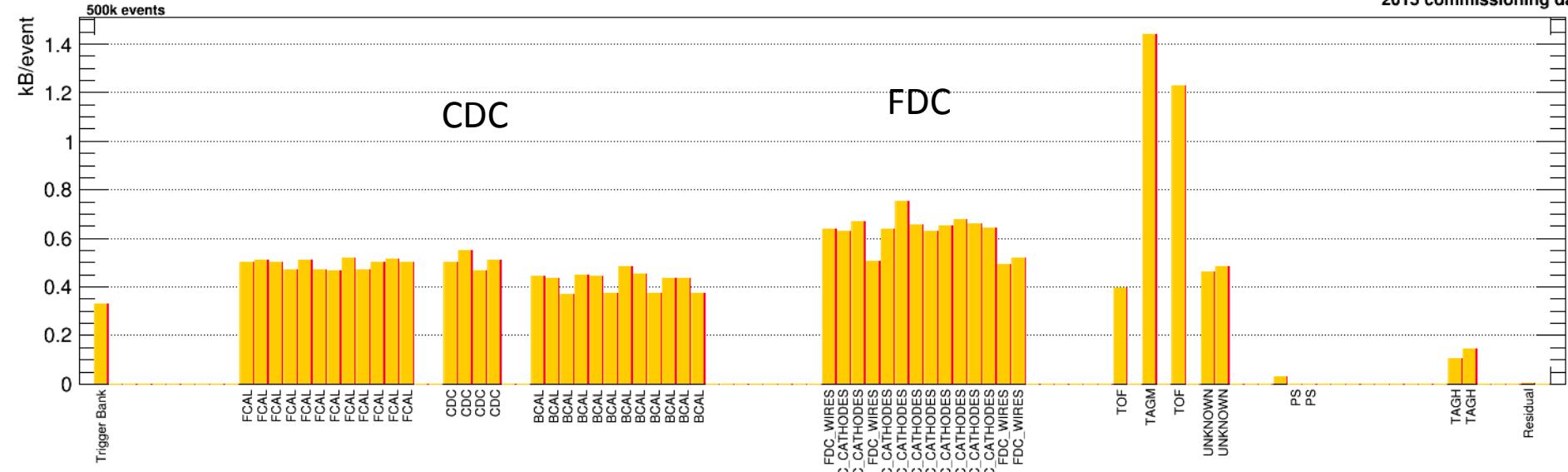


kB per event by VME crate for run 2931 file 1

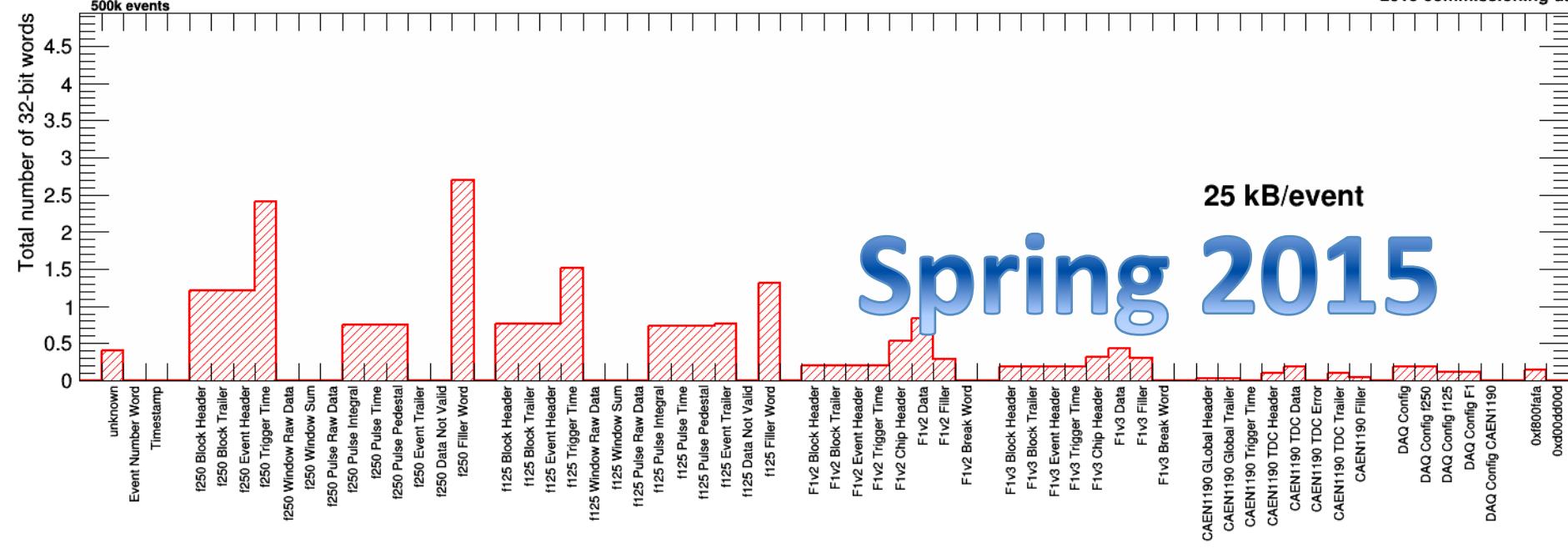
May 6, 2015 DL
sim-recon: svn 18239
2015 commissioning data



32-bit word types in EVIO event

Number of words in 100k events for run 2931 file 1

May 8, 2015 DL
sim-recon: svn 18239
2015 commissioning data



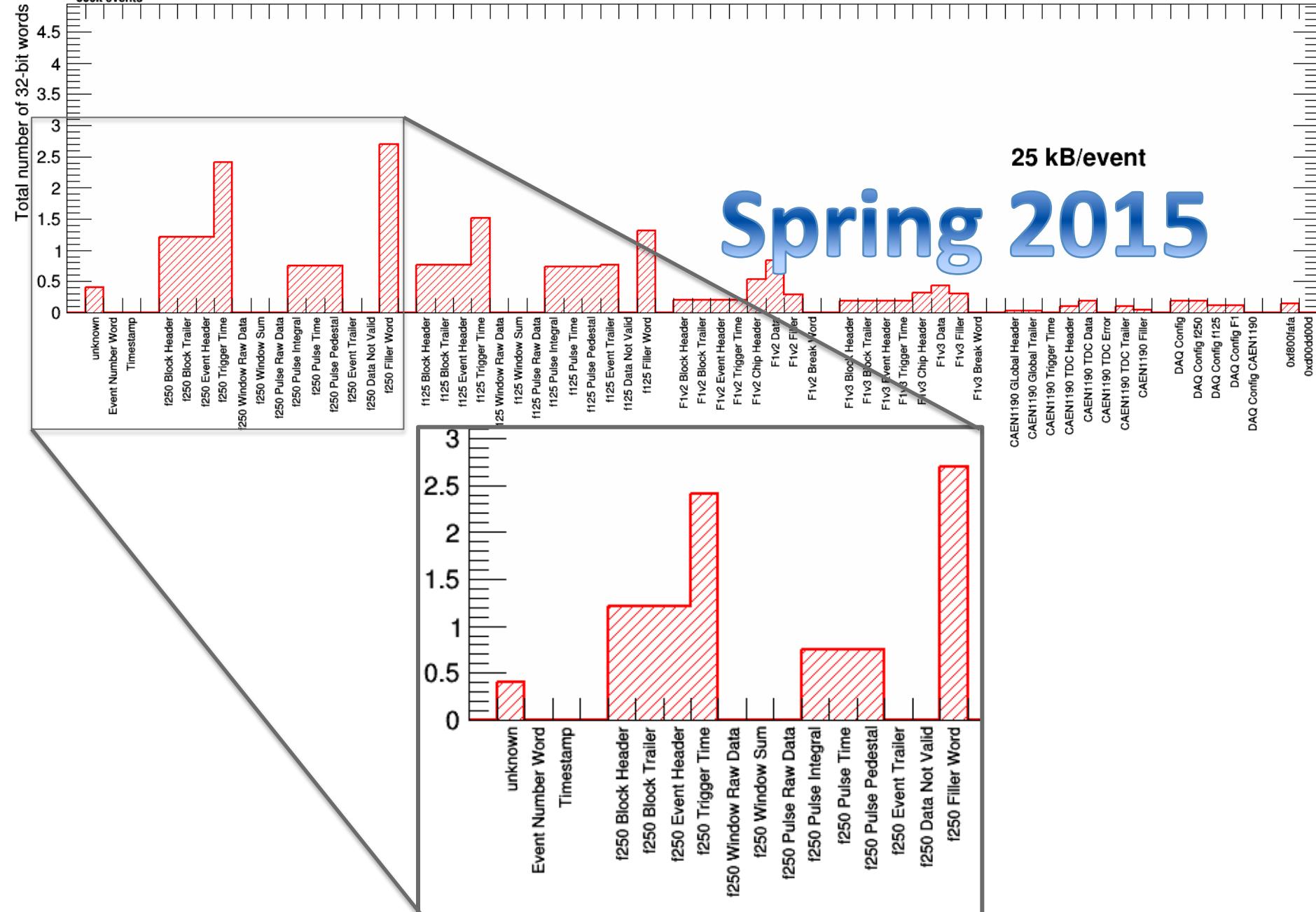
32-bit word types in EVIO event

Number of words in 100k events for run 2931 file 1

May 8, 2015 DL
sim-recon: svn 18239
2015 commissioning data

25 kB/event

Spring 2015



32-bit word types in EVIO event

Number of words in 100k events for run 2931 file 1

May 8, 2015 DL
sim-recon: svn 18239

2015 commissioning data

25 kB/event

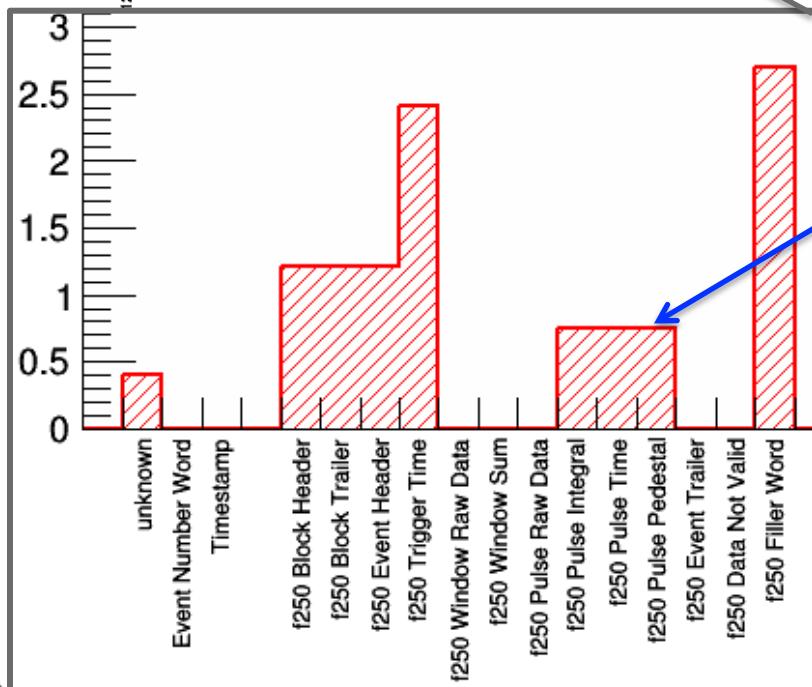
Spring 2015



CAEN1190 Global Header
CAEN1190 Global Trailer
CAEN1190 Trigger Time
CAEN1190 TDC Header
CAEN1190 TDC Data
CAEN1190 TDC Error
CAEN1190 TDC Trailer
CAEN1190 Filler

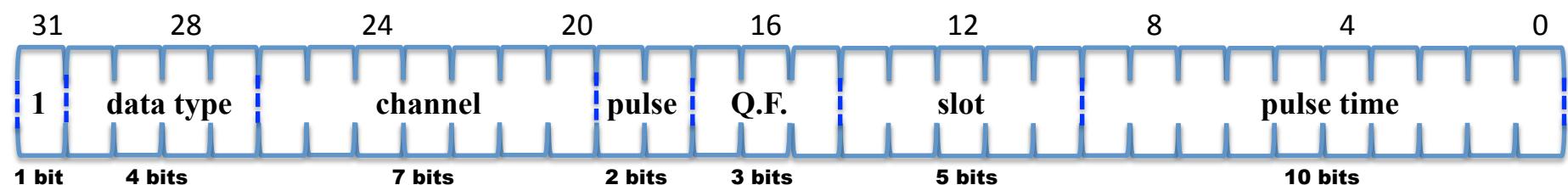
DAQ Config
DAQ Config f250
DAQ Config f125
DAQ Config f1
DAQ Config CAEN1190
0x8B00Data
0xd0dd0d0d

fADC 250 Pulse pedestal words contribute ~1.5% to file size

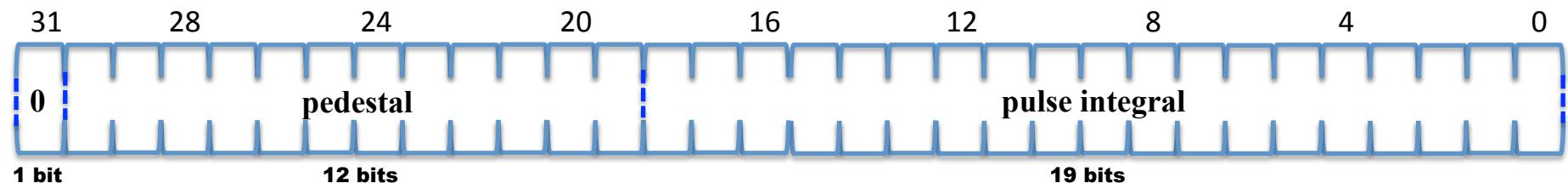


Option 1: Coupled words w/ pedestal

First word

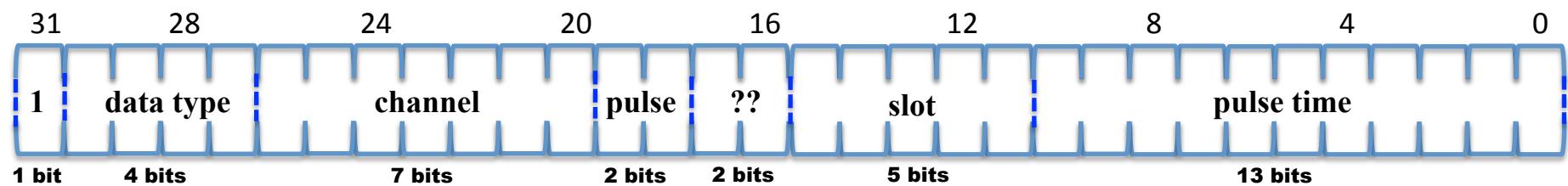


Second word

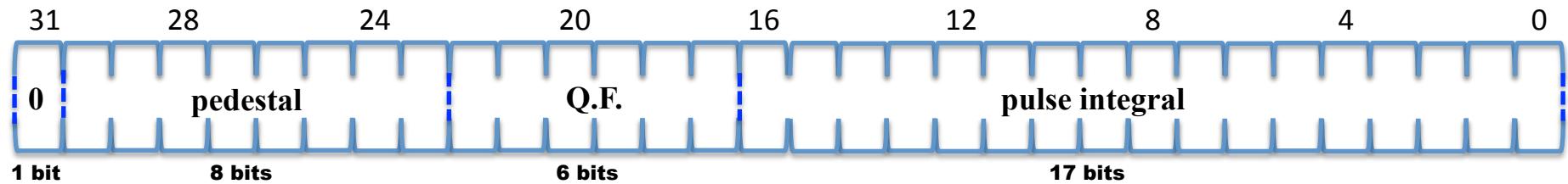


Option 1a: Coupled words w/ pedestal

First word

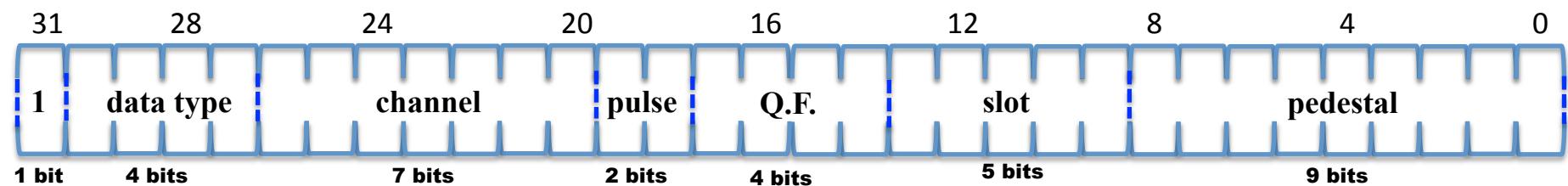


Second word

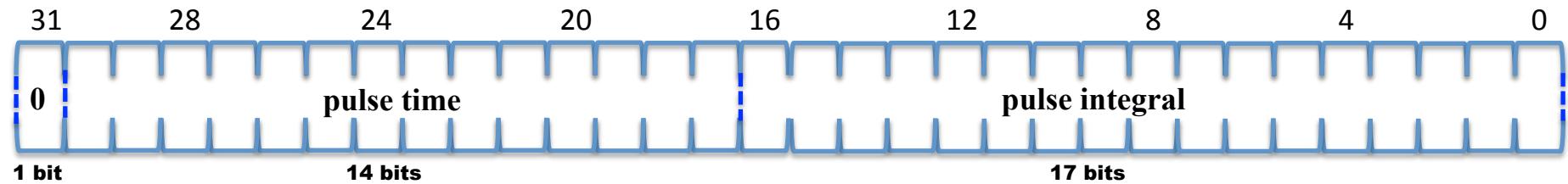


Option 1c: Coupled words w/ pedestal

First word

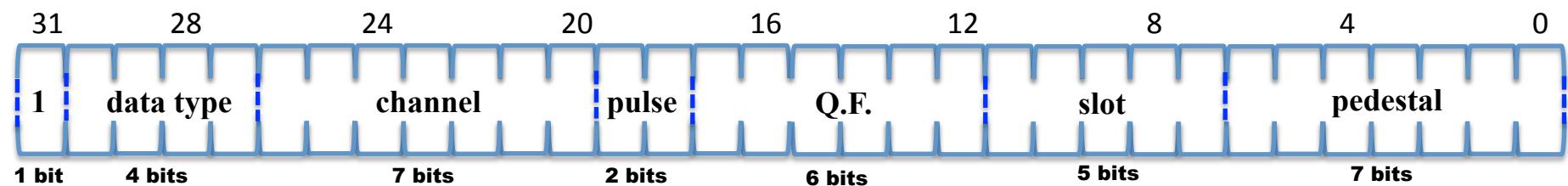


Second word

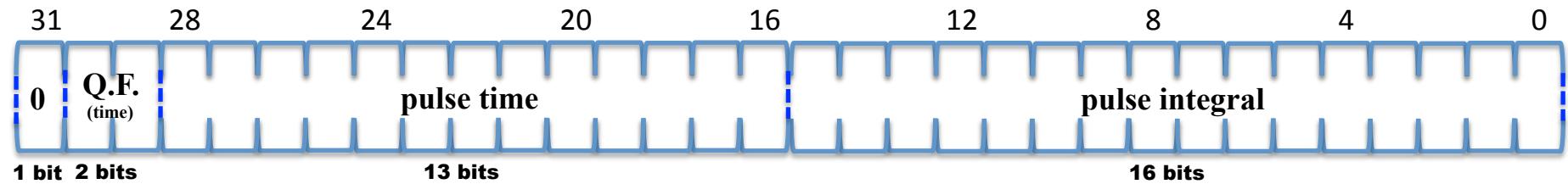


Option 1d: Coupled words w/ pedestal

First word

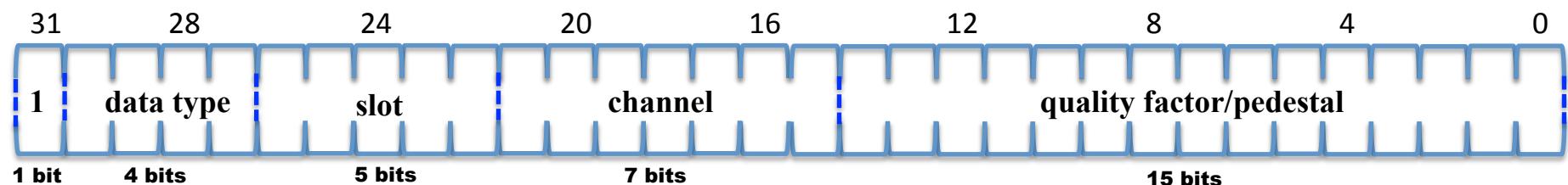


Second word

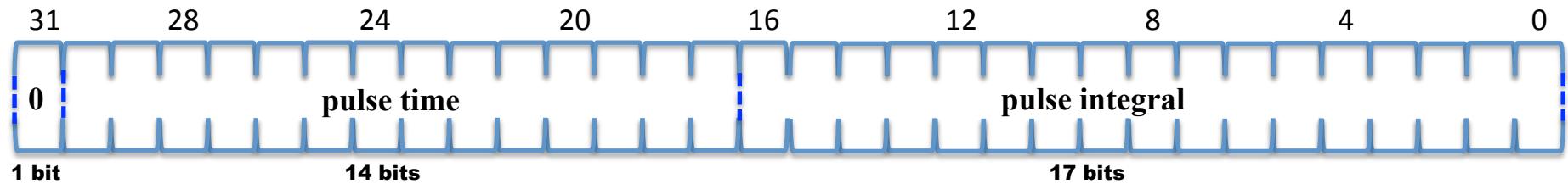


Option 1e: Coupled words w/ pedestal

First word



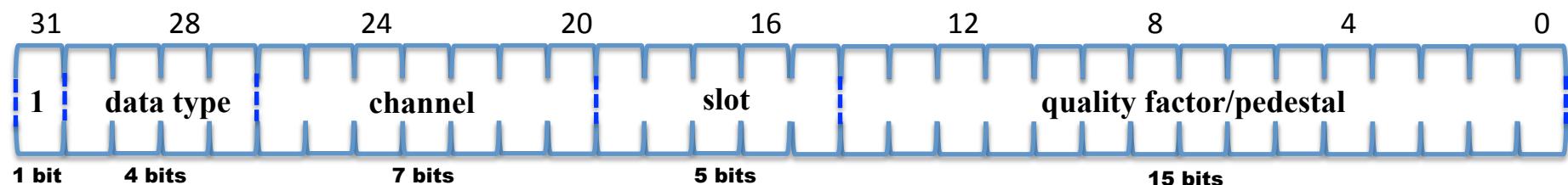
Second word



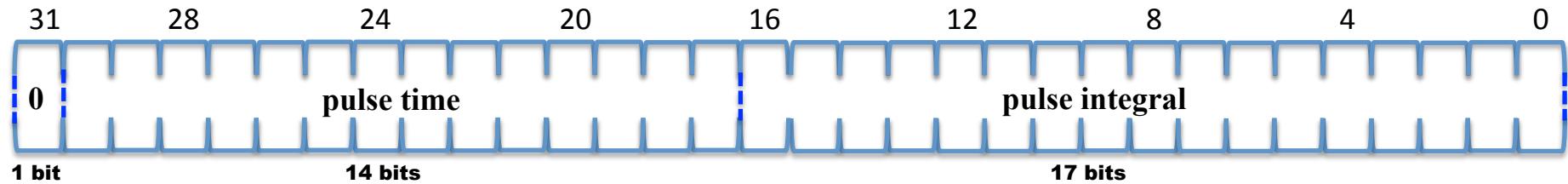
The quality factor/pedestal value will be used to hold some combination of quality factor and pedestal. The exact assignment of bits for these will be worked out by Naomi who has developed the algorithm for identifying pulses and extracting times.

Option 1f: Coupled words w/ pedestal

First word



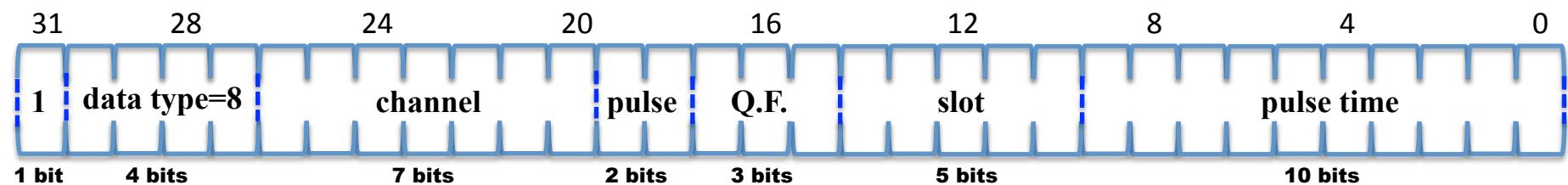
Second word



The quality factor/pedestal value will be used to hold some combination of quality factor and pedestal. The exact assignment of bits for these will be worked out by Naomi who has developed the algorithm for identifying pulses and extracting times.

Option 2: De-coupled words w/o pedestal

First word: Pulse time



Second word: Pulse integral

