'Beginning Of Fragment' marker	'0xB0F0'+S-LINK flags				
start of ROD header	'0xEE1234EE'	┌ *	The state of the s	001 PtlbxxMMN	MMMMMSSSSLLLLBBBBBBBBB
header size	'0x9'	1	[Module hit]	100xFFFFTTTT	TTTTXXXCCCCCRRRRRRRR
format version number	'0x03010000'		[]	100xFFFFTTTT	TTTTxxxCCCCCRRRRRRRR
source identifier	Oxrrssuvww		[Module errors]		
run number	'0'+31-bit run number		Module trailer	010ZHVxxxxx	XXXXXXXXXXXXXXXXXXXXX
extended Level 1 ID	24-bit TTCrx L1ID		[]		MMMMLLLLLLLBBBBBBBB
bunch crossing ID	+ 8-bit ROD ECRID 12-bit TTCrx BCID		[]	100xFFFFTTTT	TTTTXXXCCCCCRRRRRRRR
ATLAS Level1 trigger type	8-bit CTP(LTP) L1TT		[]	010748/22222	
detector event type: ROD / TIM	DET		[]	υτυζηγχχχχχ	XXXXXXXXXXXXXXXXXXXXXX
Module data		┙┌			
status 1: bit errors	error flags	-	[flag type 1 error]	0000FFFFx	XXXXXXXXXX11110FFFFEEEE
status 2: count of words with errors	error count, ROL status		[]	0000FFFFx	CXXXXXXXXXX11110FFFFEEEE
number of status words	'0x2'		[flag type 2 error]	0001FFFFx:	xx111111000cdefgqqqqponm
number of data words	nData		[]	0001FFFFx	xx11111000cdefgqqqqponm
status block pos.: '0' before/'1' after data			[raw data]	011DDDDDDDD	DODDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
'End Of Fragment' marker	'0xE0F0'+S-LINK flags		[]	011DDDDDDDD	DDDDDDDDDDDDDDDDDDDDD
[]	'0xB0F0'+S-LINK flags		[time out data]	001000000	0000000100000000000000
[]	'0xE0F0'+S-LINK flags		[]	0010000000000000100000000000000	
ATLAS Pixel v = readout crate (0x00x9) MCC: FE:					
Bytestream Format ROD header ROD trailer Module header Module trailer Module trailer ROD: r = reserved s = sub-detector ID (0x11 - Layer-1 & 2, 0x12 - endcap A, 0x13 - endcap C, 0x14 - B-layer) u = Pixel layer/disk (0x1, 0x2, 0x3)	w = ROD VME slot	nit e ror	c = LVL1 failed fror d = BCID failed e = LVL1 f = EoE d fror g = Hit of	ID h crossing ID ID EoE check I EoE check I ID check failed overflow	F = FE number T = time over threshold value C = Pixel column R = Pixel row m = EOC overflow n = 'Hamming Code' error o = com./glob. reg. parity p = hit parity error q = FE error flag ('1111' = no error/ '1110' = error) E = FE error code

Figure A-41 Structural view of the ATLAS Pixel bytestream format