XTRP Synchronization

B0 latched onto Control Board

B0 synced to locally adjusted clock

B0* = 0, load counter
B0* = 1, count up

CLK_LOCAL

Programmable Offset Value

Adjustable Delay up to 132 ns

CLK_LOCAL

B0* synced to B0 marker from XFT

CLK_LOCAL

CLK_LOCAL

CLK_132 is synced to a valid region of XFT Word ID 00

BUNCH CROSSING (70)

Counter

XFT INPUT

XFT WORD ID 00