Pulse Tagger Timing

clk

valid_in

valid_m2

rx_gate

data_in: data n | data n+1 | data n+2 | data n+3 | data n+4 | data n+5 | data n+6 | data n+7 | data n+8

data_out: data n | tag | xxx | data n+1 | data n+5

valid_out
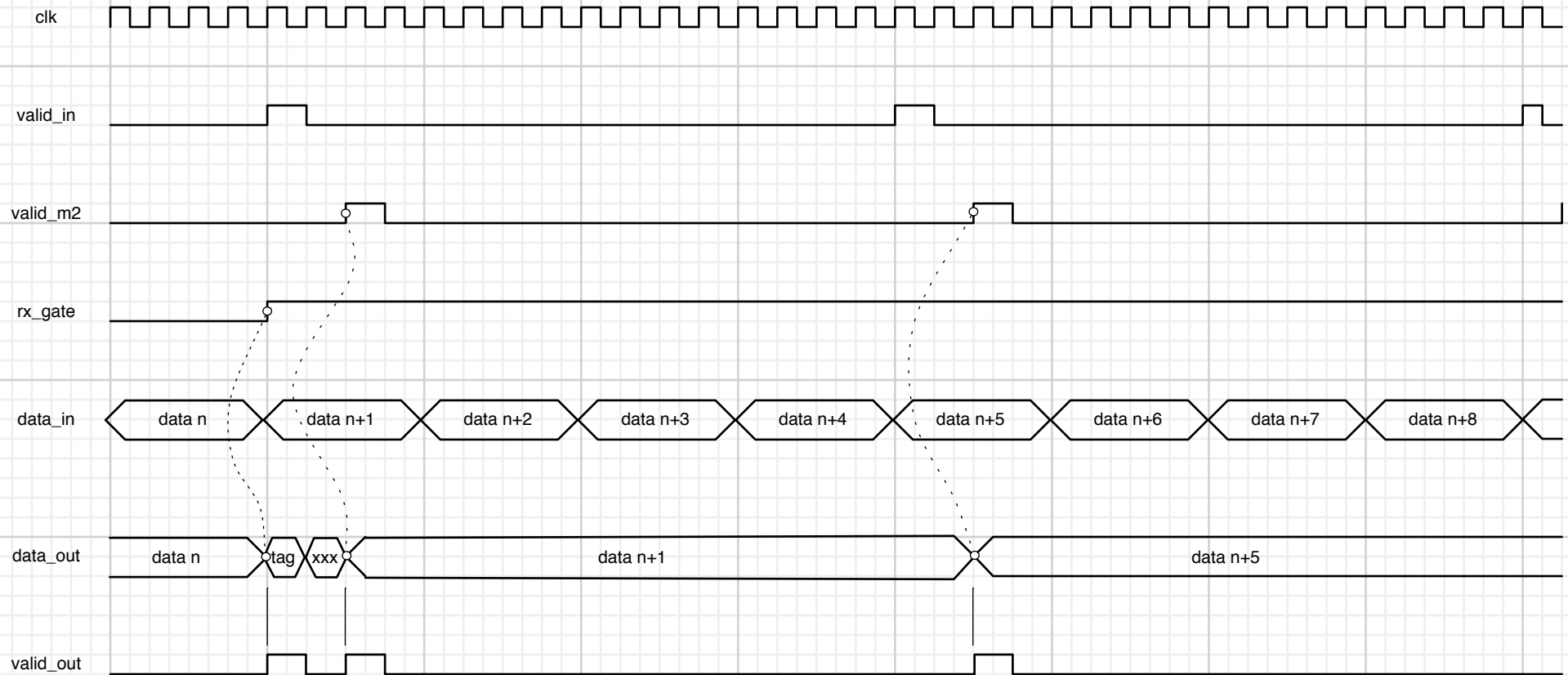
Notes:

1. tag is incremented on the rising edge of rx_gate.

2. It is not strictly required that there is a clock cycle between the tag enable and the data enable pulses on valid_out, but it makes it easier to scope.

National Center for Atmospheric Research	
Title: Pulse Tagger Timing	
Drawing number: 01	Rev: 01
Date: 02-Dec-2009	Drawn by: CLM
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