

artdaq - Idea #20764

RoutingMaster learns data rate and adjusts accordingly

09/06/2018 02:20 PM - Eric Flumerfelt

Status:	New	Start date:	09/06/2018
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Experiment:	-		

Description

In RoutingMasterCore, the "table_update_interval_ms" parameter defines the maximum amount of time that the RoutingMaster should allow between table updates. It should be possible, however, to use some combination of the tokens and the routing table acks to determine what the system rate is, and/or whether sufficient routing information is present in the system, regardless of the current table interval. The expected rate should change slowly, however, so that dataflow issues can still be detected and reported in the RoutingMaster.