RiakTS Query Path 1000 → 1000 (uc_debug7) records per query $\Delta t = -13 \text{ ms per query}$ riak_kv_qry_worker riakc_pb_socket riak_kv_qry_queue riak_api_pb_server riak_core_vnode_worker_pool riak_kv_index_fsm riak_core_vnode_worker riak_core_vnode riak_core_coverage_fsm riak_core_coverage_fsm riak_core_vnode_worker handle_cast initialize connected riak_kv_qry_queue riak_kv_qry_worker riakc_pb_socket riak_core_vnode riakc_pb_socket riak_core_coverage_fsm riak_core_vnode_worker_pool query handle_call handle_info handle_call handle_info waiting_results handle_event handle_event -36 μs (- < 1%) $0 \mu s (-<1\%)$ $+40 \mu s (+ < 1\%)$ riak_kv_pb_timeseries riak_kv_qry_worker riak_kv_qry_worker riak_kv_index_fsm riak_kv_index_fsm riak_kv_index_fsm riakc_pb_socket riak_core_vnode send_request decode add_subquery_result subqueries_done module_info decode process_results finish riak_kv_qry_queue riak_kv_qry_worker active riak_kv_worker riak_core_vnode_worker riak_core_vnode_master riakc do_push_query handle_work pop_next_query handle work server_call coverage -221 μs (- < 1%) $-91 \mu s (-<1\%)$ $+15 \mu s (+ < 1\%)$ $+50 \mu s (+ < 1\%)$ $+31 \mu s (+ < 1\%)$ $+0 \mu s (+ < 1\%)$ $-7 \mu s (-<1\%)$ $+1 \mu s (+ < 1\%)$ riak_kv_qry_worker riak_kv_index_fsm riakc_pb_socket eleveldb fold encode_request_message process_message execute_query init riakc_pb_socket riak_core_vnode riak_core_vnode_master riak_kv_index_fsm gen_server gen_server send_caller call vnode_coverage process_query_results cast proxy_cast -8 μs (- < 1%) $+17 \mu s (+ < 1\%)$ $-18 \ \mu s \ (- < 1\%)$ -56 μs (- < 1%) $-4 \mu s (-<1\%)$ riak_kv_vnode riak_core_coverage_fsm result_fun_ack maybe_start_timeout_timer riak_kv_pb_timeseries riak_kv_qry_worker riak_kv_vnode riak_core_vnode_worker_pool gen_fsm gen_server gen_tcp 15 send ack_keys handle work run_sub_qs_fn reply send_event process $+9 \mu s (+ < 1\%)$ $-8 \mu s (-<1\%)$ riak_core_coverage_fsm plan_callback riak_api_pb_server gen_fsm riak_kv_vnode send_encoded_message_or_error check_table_and_call start_index_fsm finish_fold send_event reply $0 \mu s (-<1\%)$ riak_kv_ts_util supervisor encode get_table_ddl start_child riak_core_coverage_fsm riak_core_vnode plan_results_callback reply -8 μs (- < 1%) $-4 \mu s (-<1\%)$ riak_kv_stat riak_kv_pb_timeseries sub_tsqueryreq update riak_api_pb_server send_message -223 μs (- < 1%) 0 μs (- < 1%) riak_kv_qry submit riak_ql_lexer get_tokens $-6 \mu s (-<1\%)$ riak_ql_parser parse riak_kv_qry maybe_submit_to_queue $+2 \mu s (+ < 1\%)$ riak_kv_qry_queue put_on_queue riak_kv_qry maybe_await_query_results gen_server call -266 μs (- < 1%)