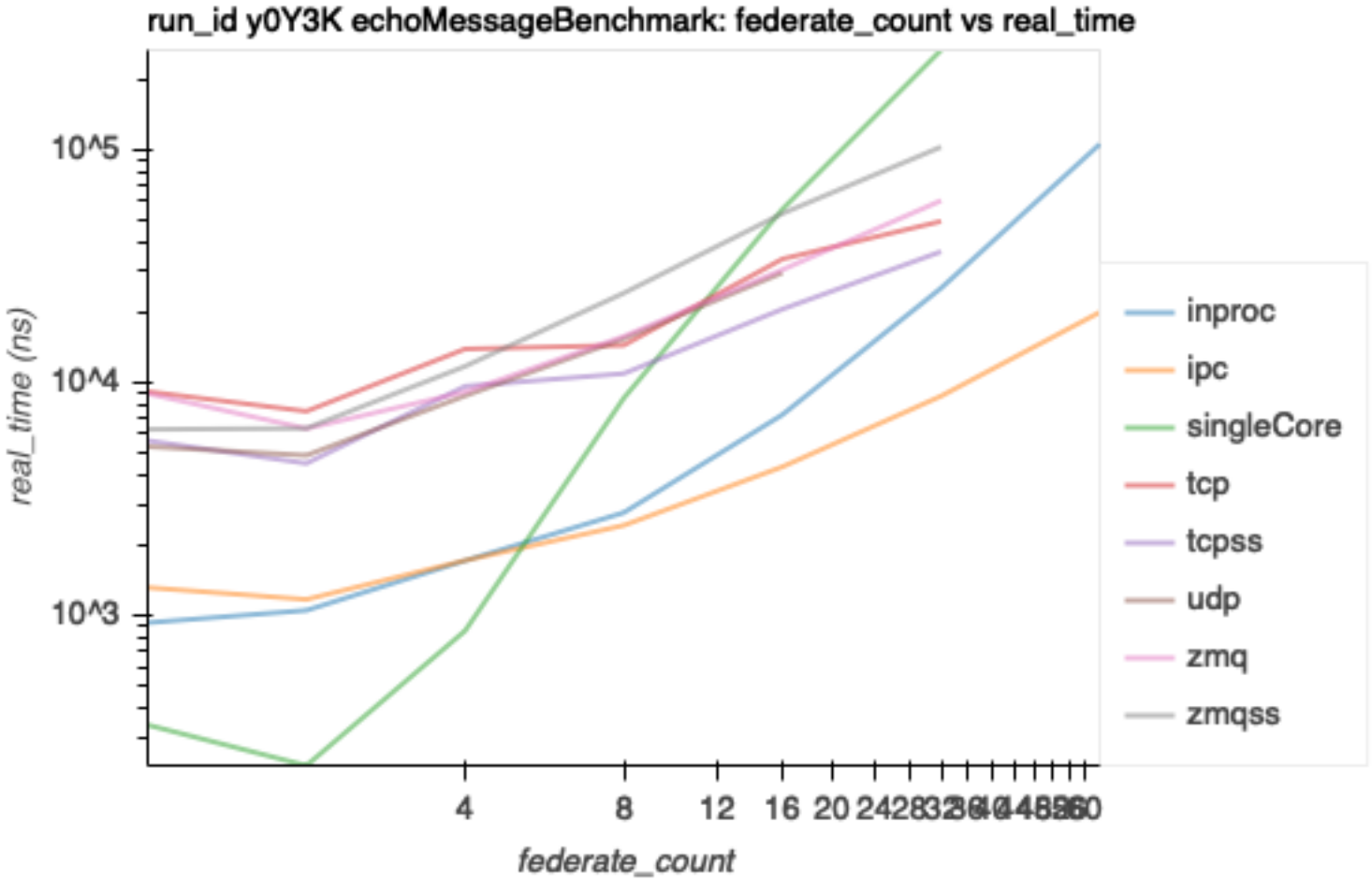
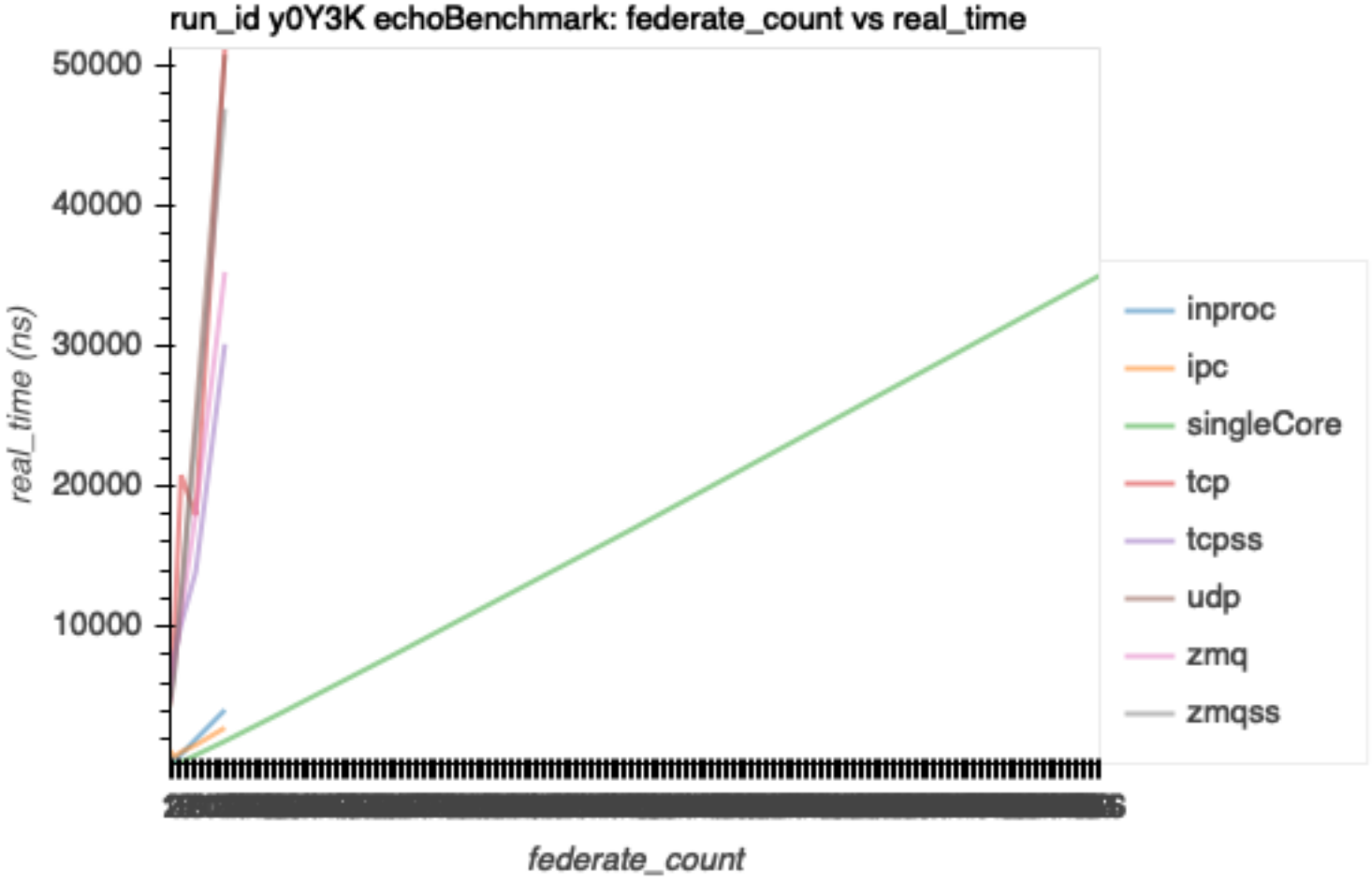
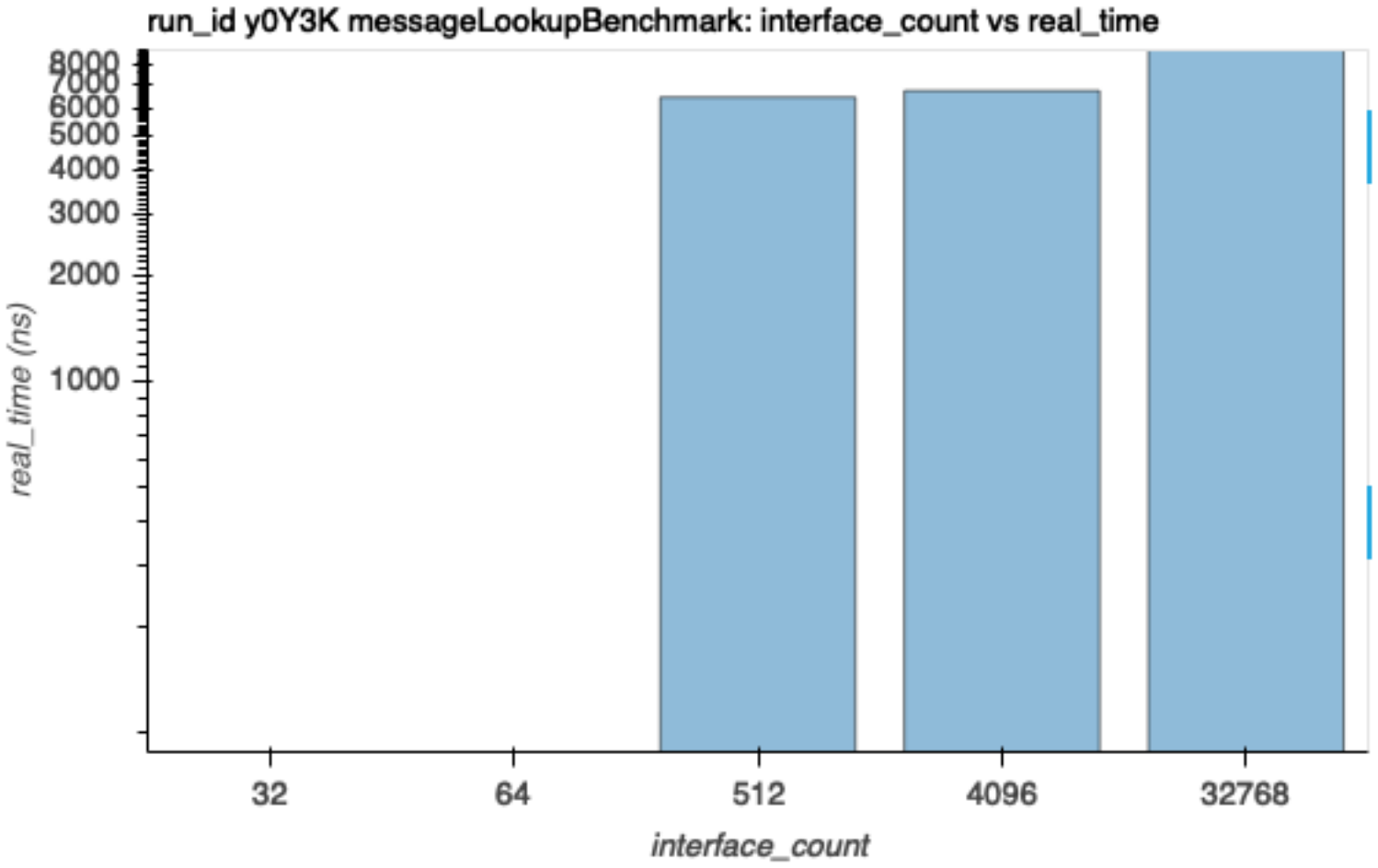
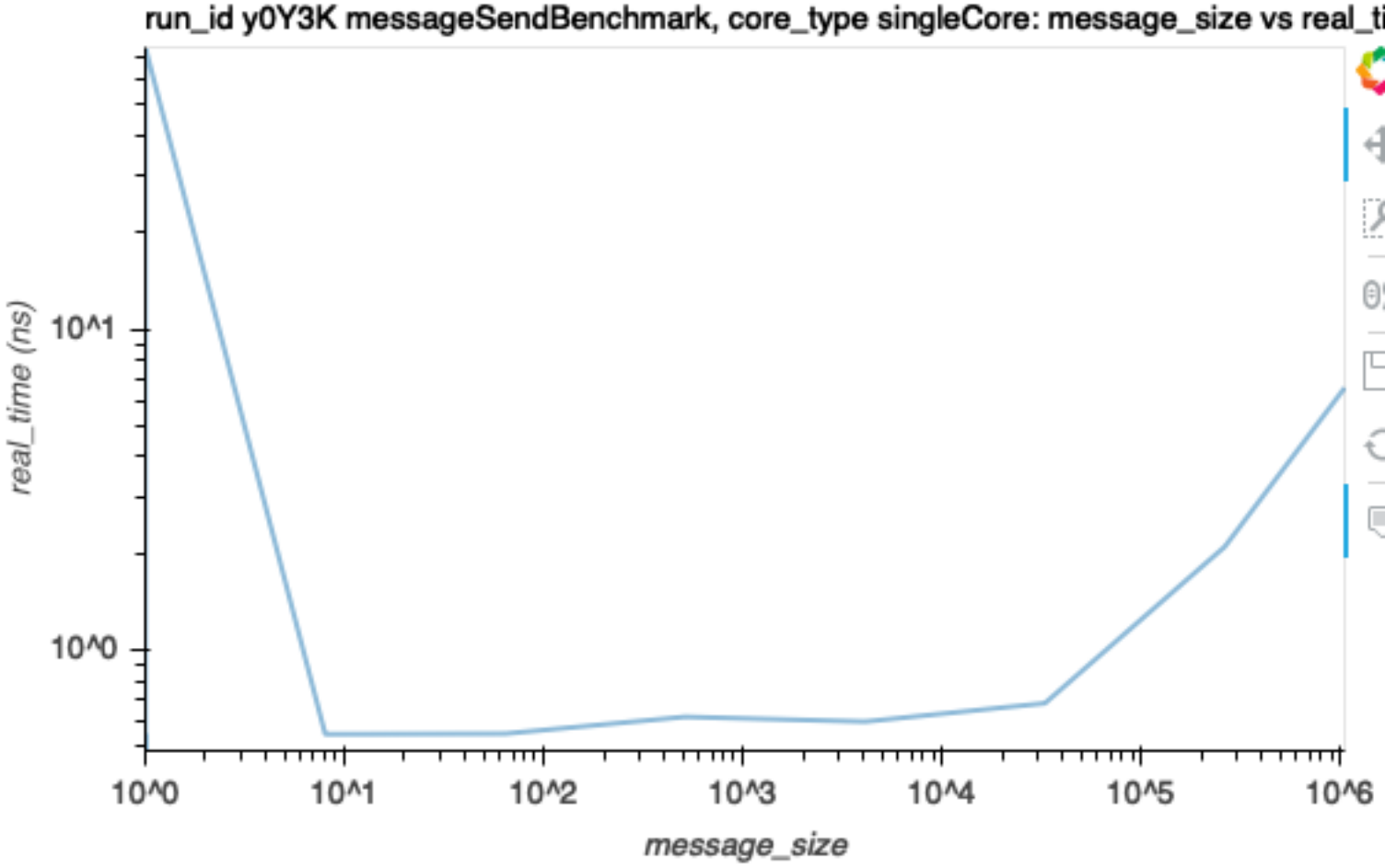
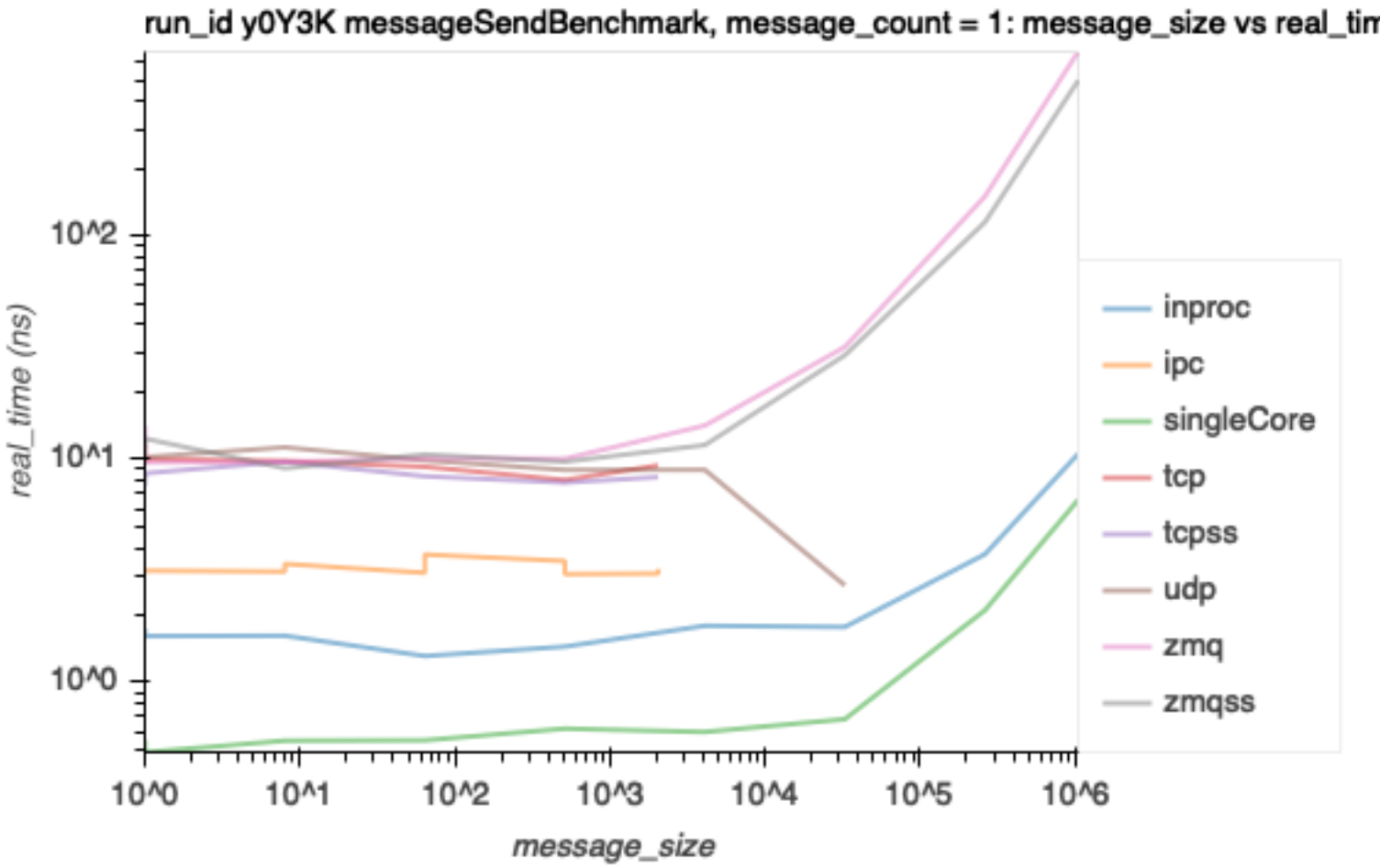
```
BENCHMARK:                messageSendBenchmark

run ID:                   y0Y3K
Timestamp:                2019-12-03 18:36:30
HELICS version:           2.3.1
generator:                Unix Makefiles
system:                   Linux
system version:           4.4.0-17763-Microsoft:
platform:
C++ compiler:             GNU
C++ compiler version:     7.4.0
compiler string:            -O3 -DNDEBUG  $<$<COMPILE_LANGUAGE:CXX>:-std=c++14>
host name:                STEADMAN
host processor:           x86_64
CPU core count:           8
processor speed (MHz):    3501
```

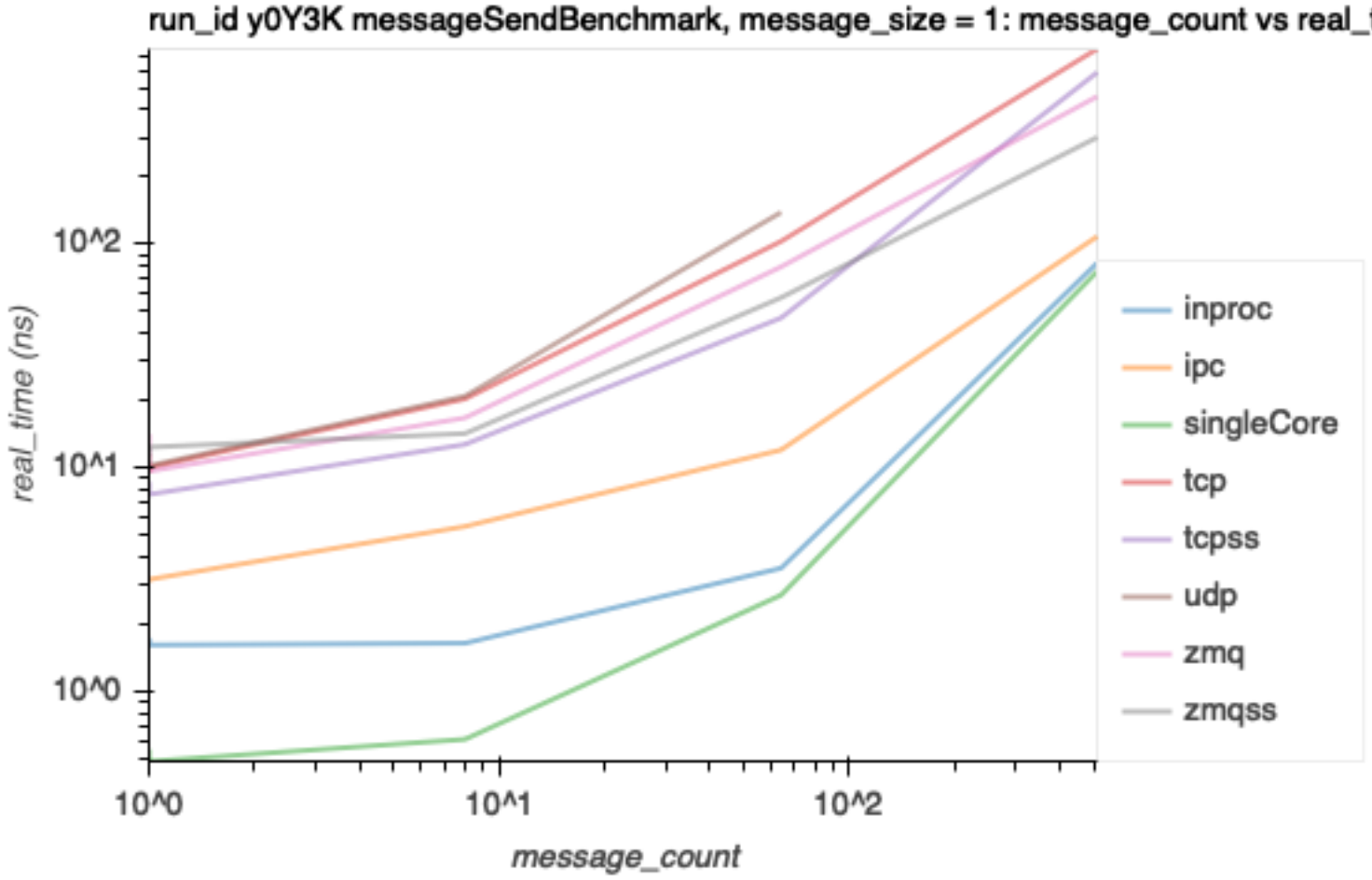


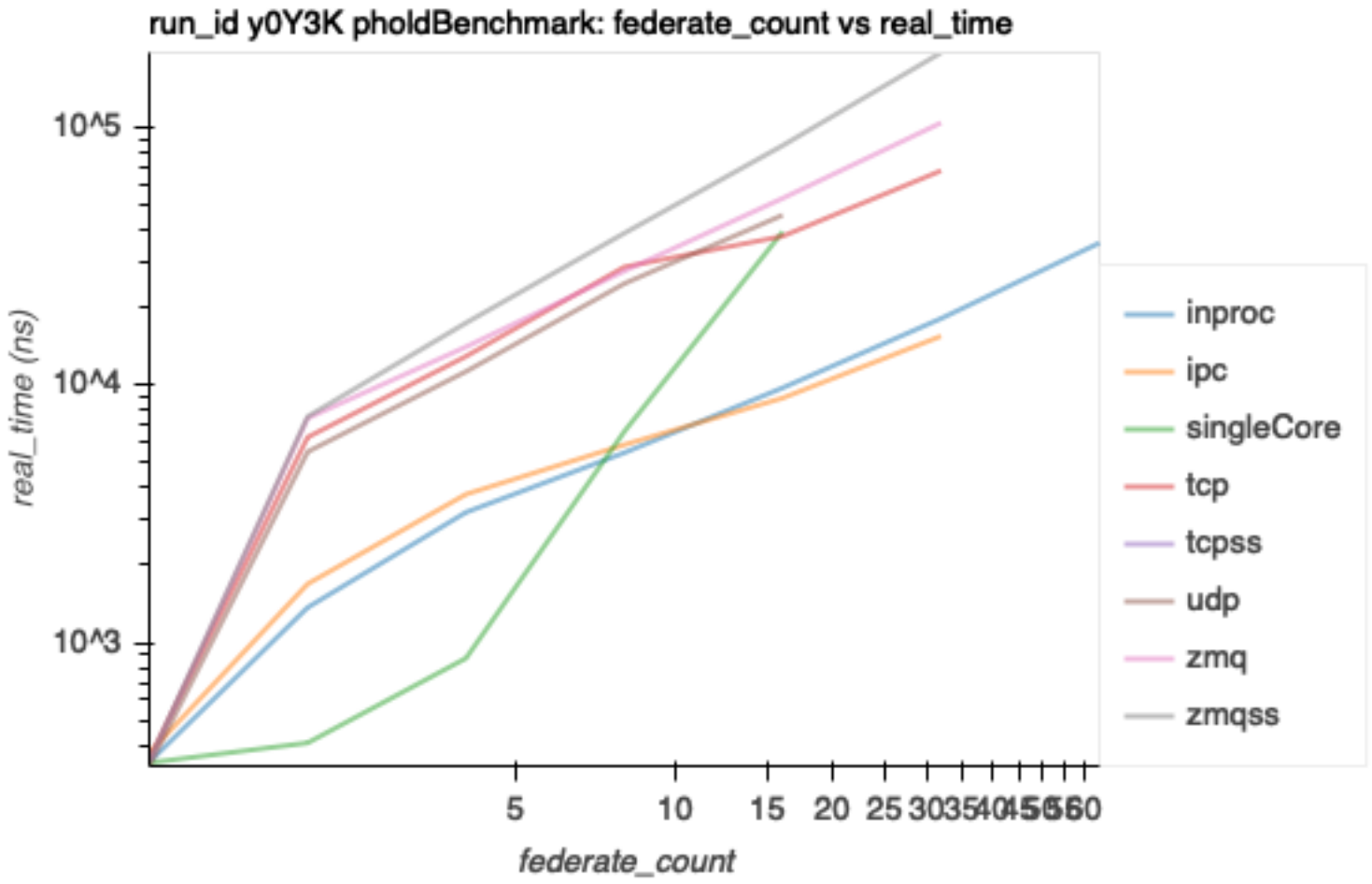

run_id y0Y3K echoBenchmark: federate_count vs real_time
50000
40000
30000
20000
10000
real_time (ns)
federate_count
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss

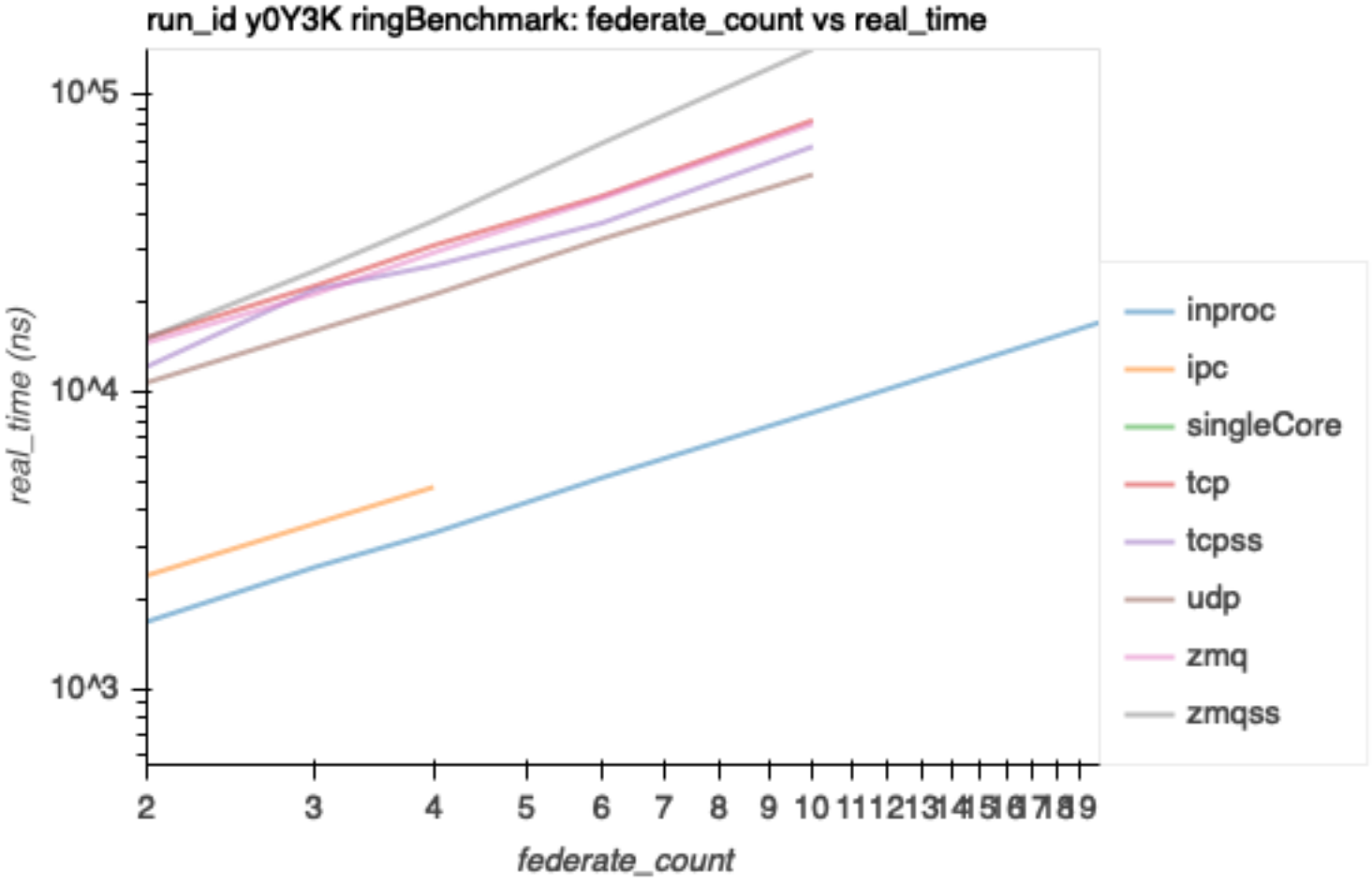

run_id y0Y3K messageLookupBenchmark: interface_count vs real_time
8000
7000
6000
5000
4000
3000
2000
1000
real_time (ns)
32
64
512
4096
32768
interface_count


run_id y0Y3K messageSendBenchmark, core_type singleCore: message_size vs real_ti
real_time (ns)
10^1
10^0
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size


run_id y0Y3K messageSendBenchmark, message_count = 1: message_size vs real_tim
real_time (ns)
10^2
10^1
10^0
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss


run_id y0Y3K messageSendBenchmark, message_size = 1: message_count vs real_tim
real_time (ns)
10^2
10^1
10^0
10^0
10^1
10^2
message_count
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss


run_id y0Y3K pholdBenchmark: federate_count vs real_time
real_time (ns)
10^5
10^4
10^3
5
10
15
20
25
federate_count
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss


run_id y0Y3K ringBenchmark: federate_count vs real_time
10^5
10^4
10^3
real_time (ns)
2
3
4
5
6
7
8
9
10
federate_count
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss