

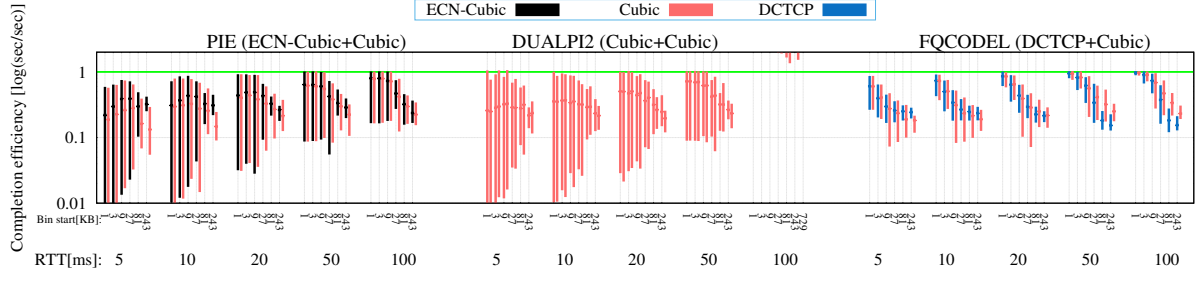
Evaluating dualpi2 with 2 Cubic flows. The strange values in Fig A3 at 4Mbps link and 100ms RTT can be ignored. They are due to another set of experiments started at the same time by accident.

Kernel versions: aqmnnode: Linux router2 4.4.0-161-generic #189-Ubuntu SMP Tue Aug 27 08:10:16 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux serverA: Linux svr17 3.19.0-51-generic #57 14.04.1-Ubuntu SMP Fri Feb 19 14:36:55 UTC 2016 x86\_64 x86\_64 x86\_64 GNU/Linux serverB: Linux svr16 3.19.0-51-generic #57 14.04.1-Ubuntu SMP Fri Feb 19 14:36:55 UTC 2016 x86\_64 x86\_64 x86\_64 GNU/Linux clientA: Linux svr15 3.19.0-51-generic #57 14.04.1-Ubuntu SMP Fri Feb 19 14:36:55 UTC 2016 x86\_64 x86\_64 x86\_64 GNU/Linux clientB: Linux svr14 3.19.0-51-generic #57 14.04.1-Ubuntu SMP Fri Feb 19 14:36:55 UTC 2016 x86\_64 x86\_64 x86\_64 GNU/Linux

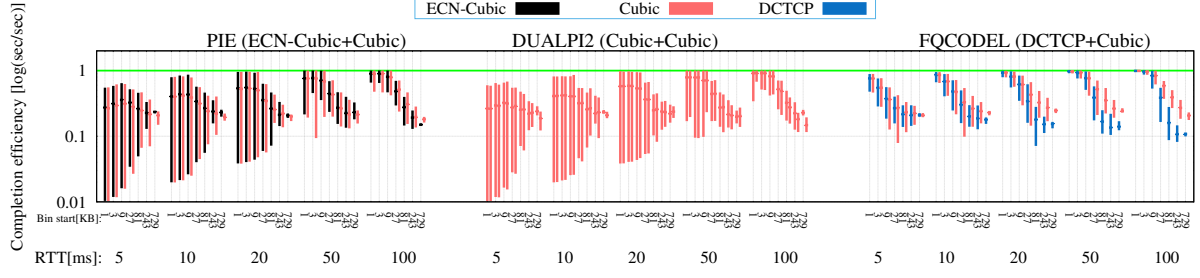
commit hash: fd47cb41871c39d0464b76bdf21235983ba2017a

# Appendix A

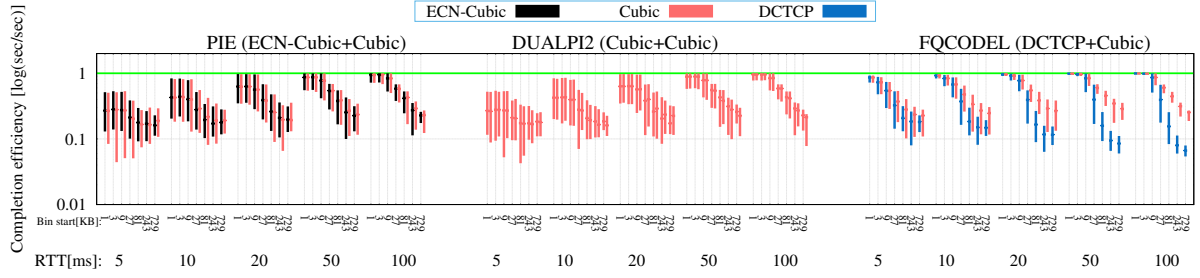
## Equal RTT experiments



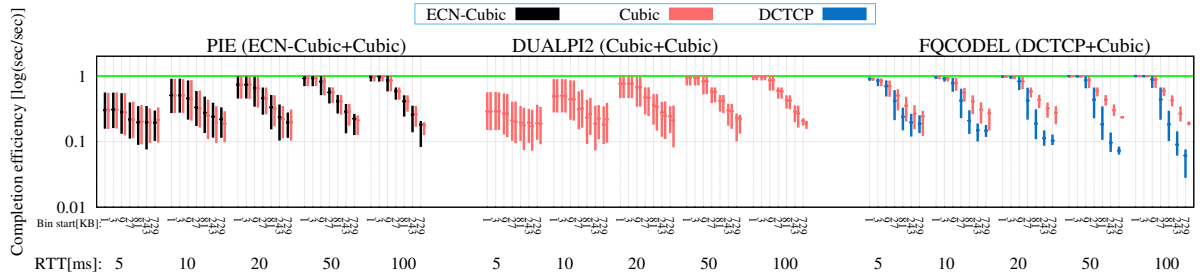
(a) 4Mbps link capacity



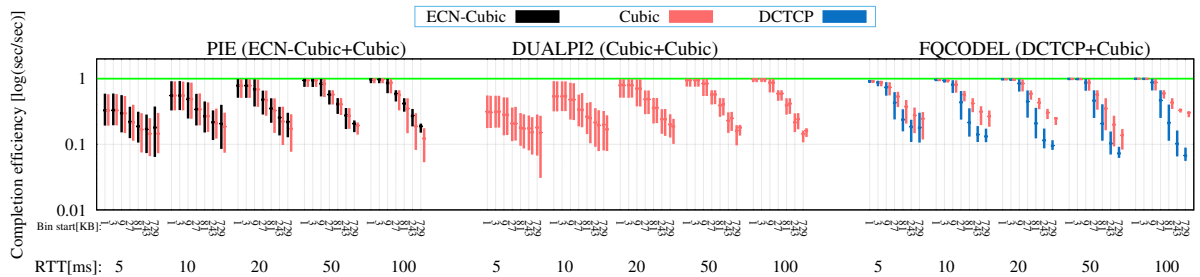
(b) 12Mbps link capacity



(c) 40Mbps link capacity



(d) 120 Mbps link capacity



(e) 200 Mbps link capacity

Figure A.1: Equal RTT (1h-1h)

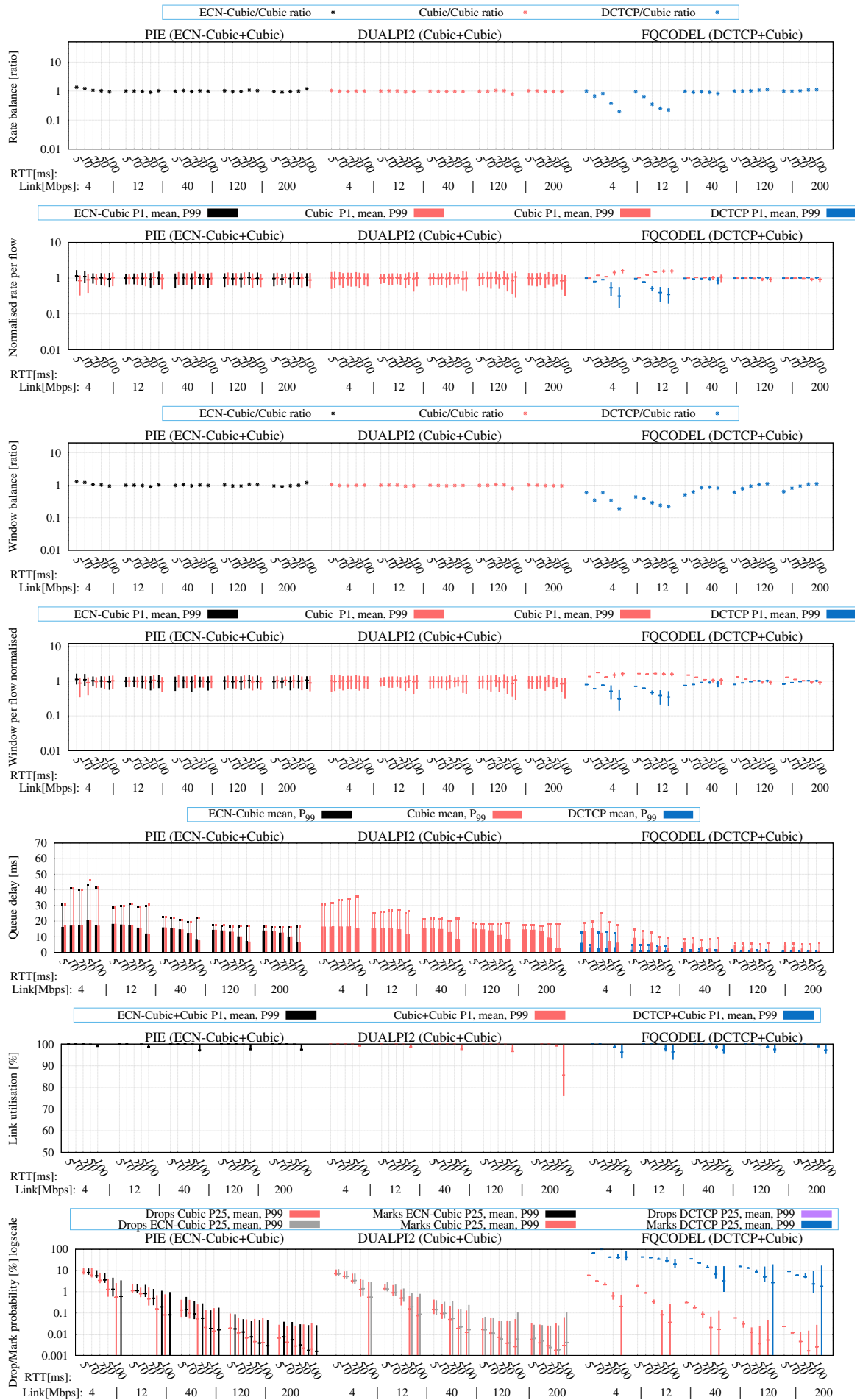


Figure A.2: Equal RTT (1-1)

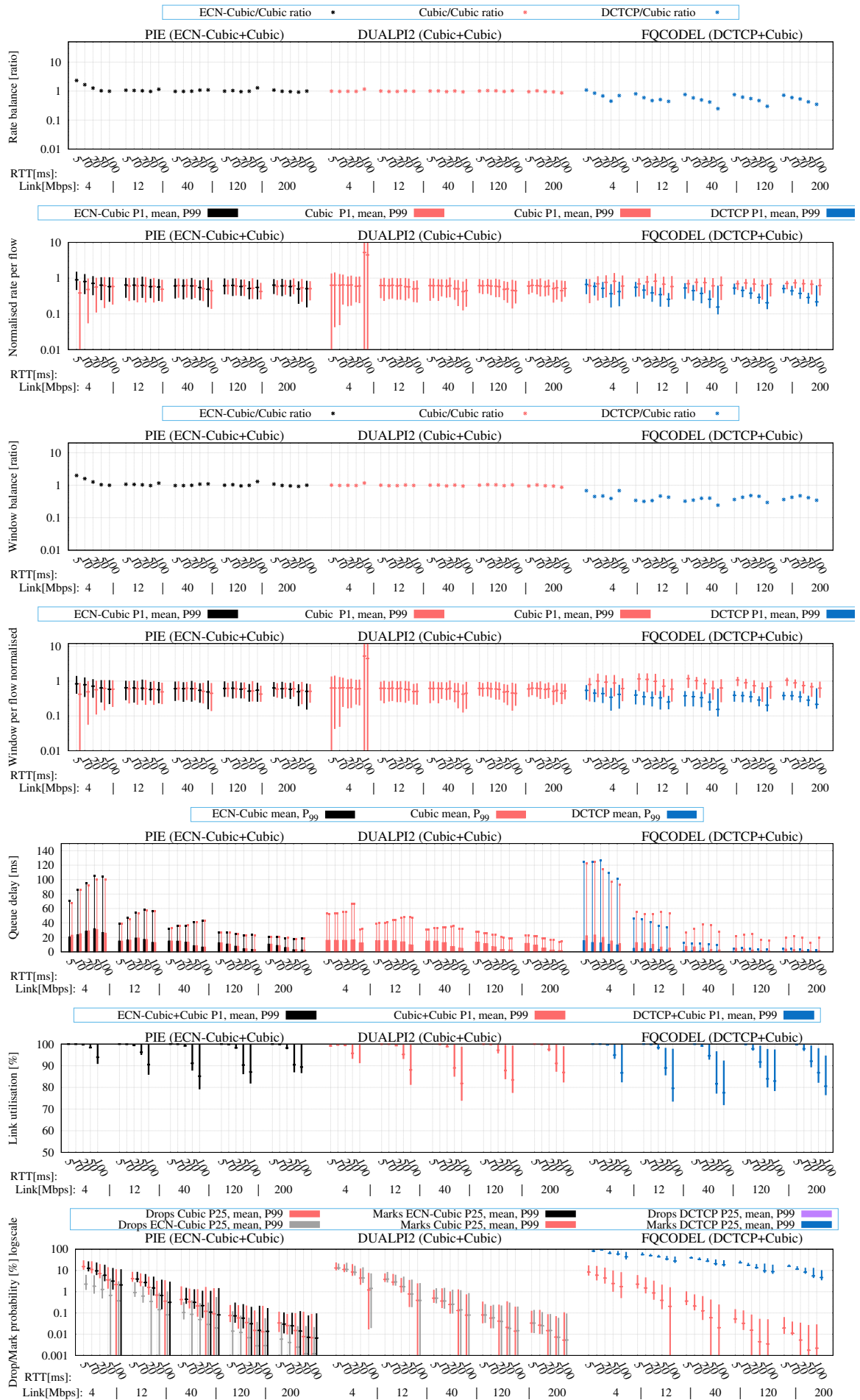


Figure A.3: Equal RTT (1h-1h)

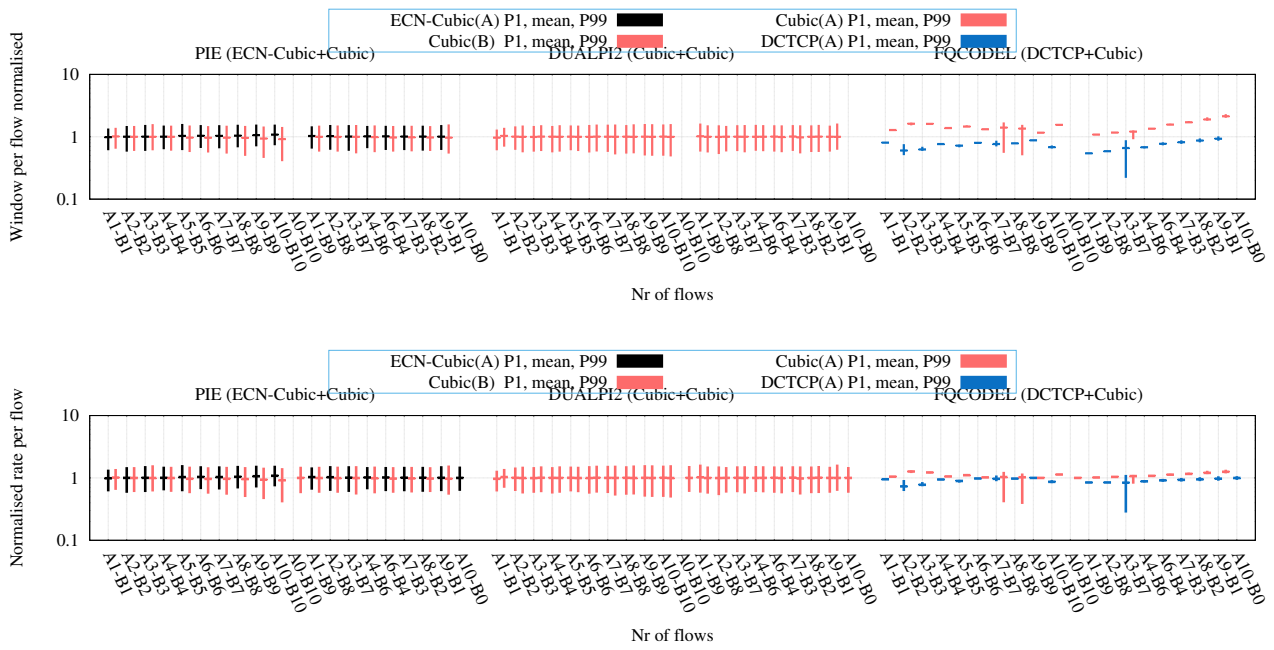


Figure A.4: Normalised rate and window size per flow. 40Mbps link capacity, 10ms RTT. Equal RTT

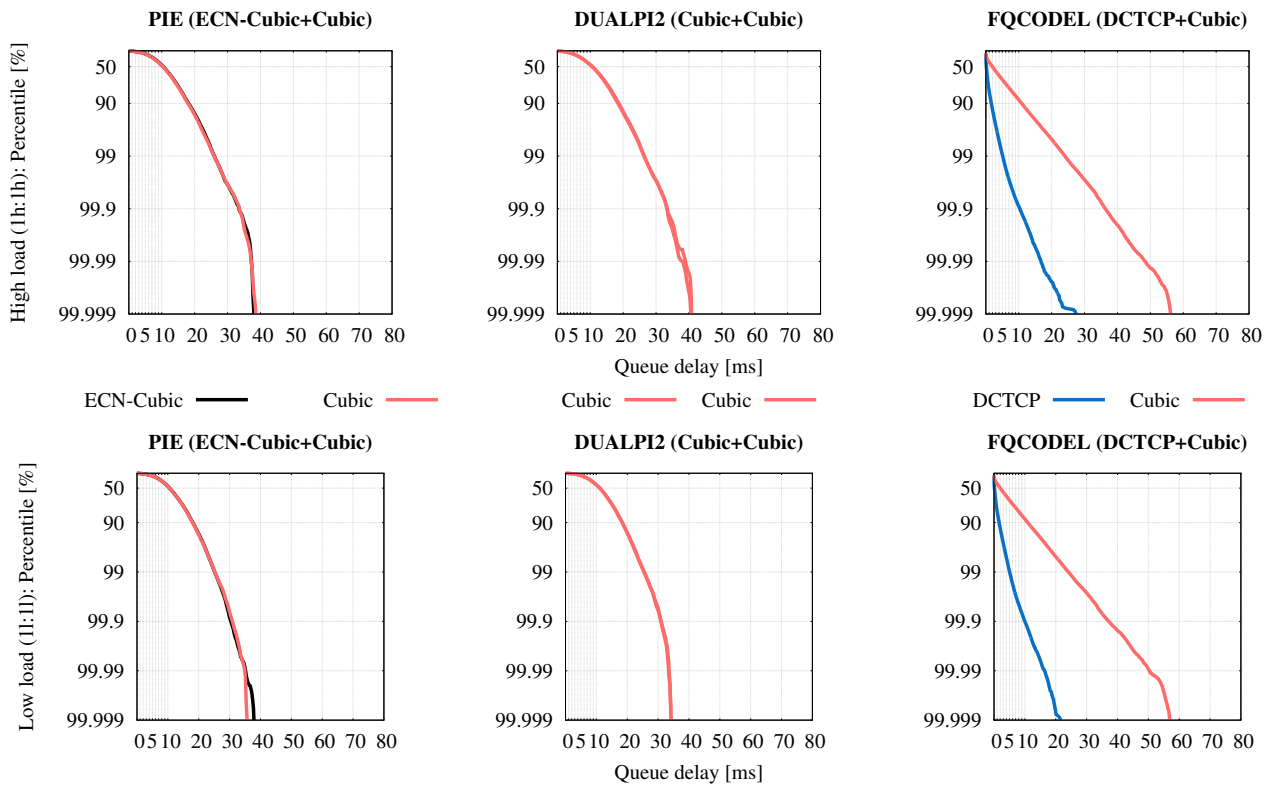


Figure A.5: Queue delay CCDF. 120Mbps link capacity, 10ms RTT. Equal RTT

# Appendix B

## Mixed RTT experiments



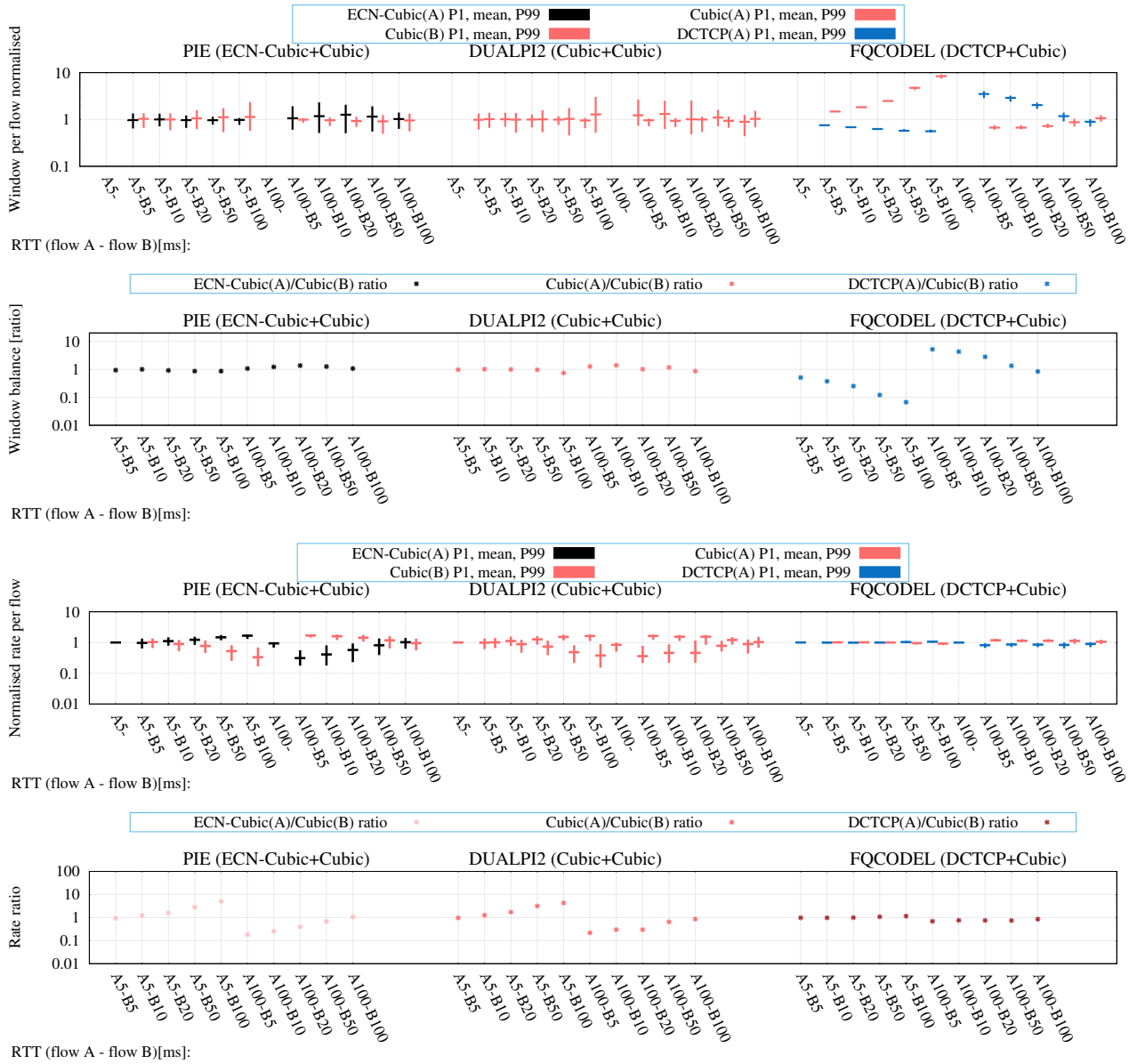


Figure B.1: 1 flow for each CC. Mixed RTT (mrtt2'link40)

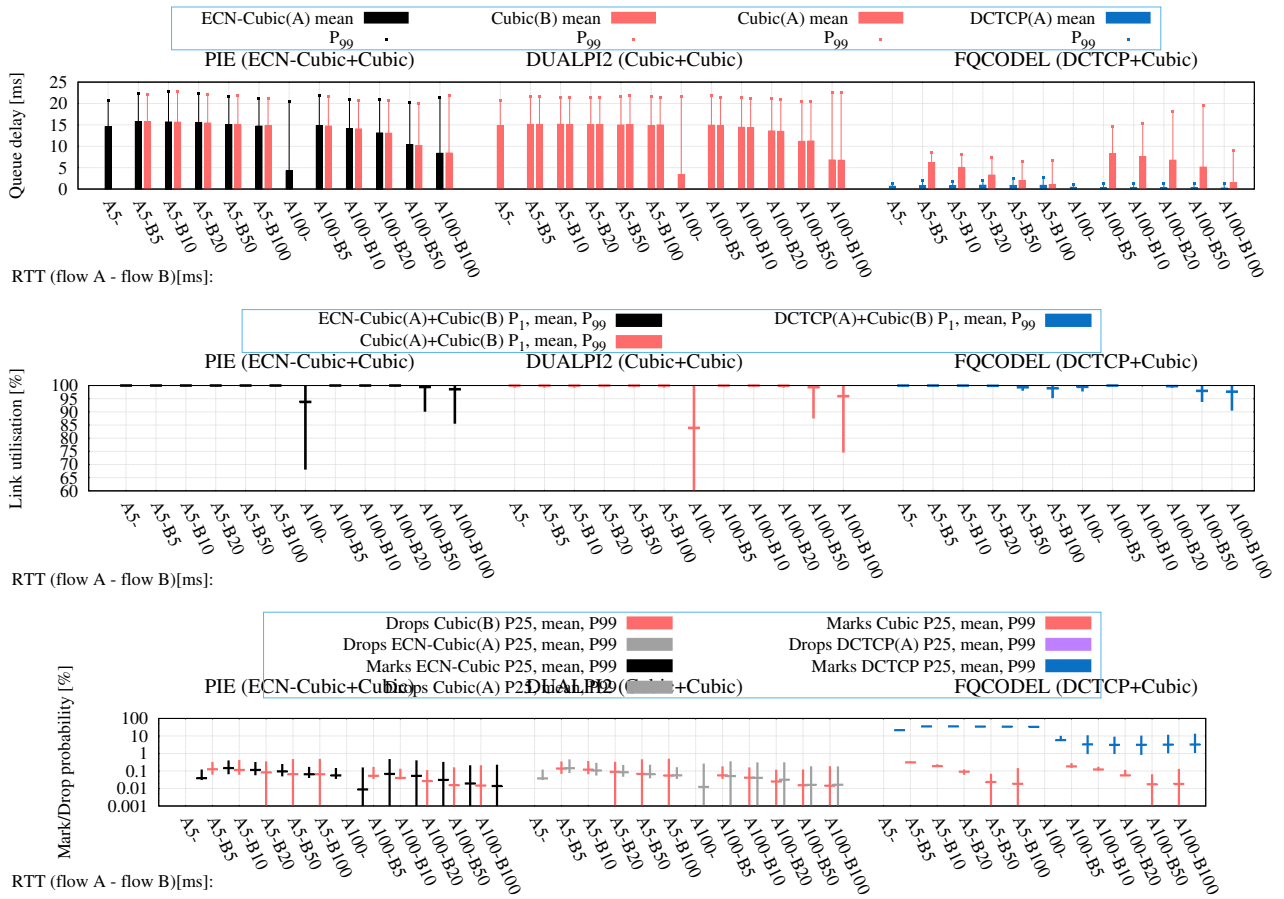


Figure B.2: 1 flow for each CC. Mixed RTT (mrtt2'link40)

# Appendix C

## Overload experiments

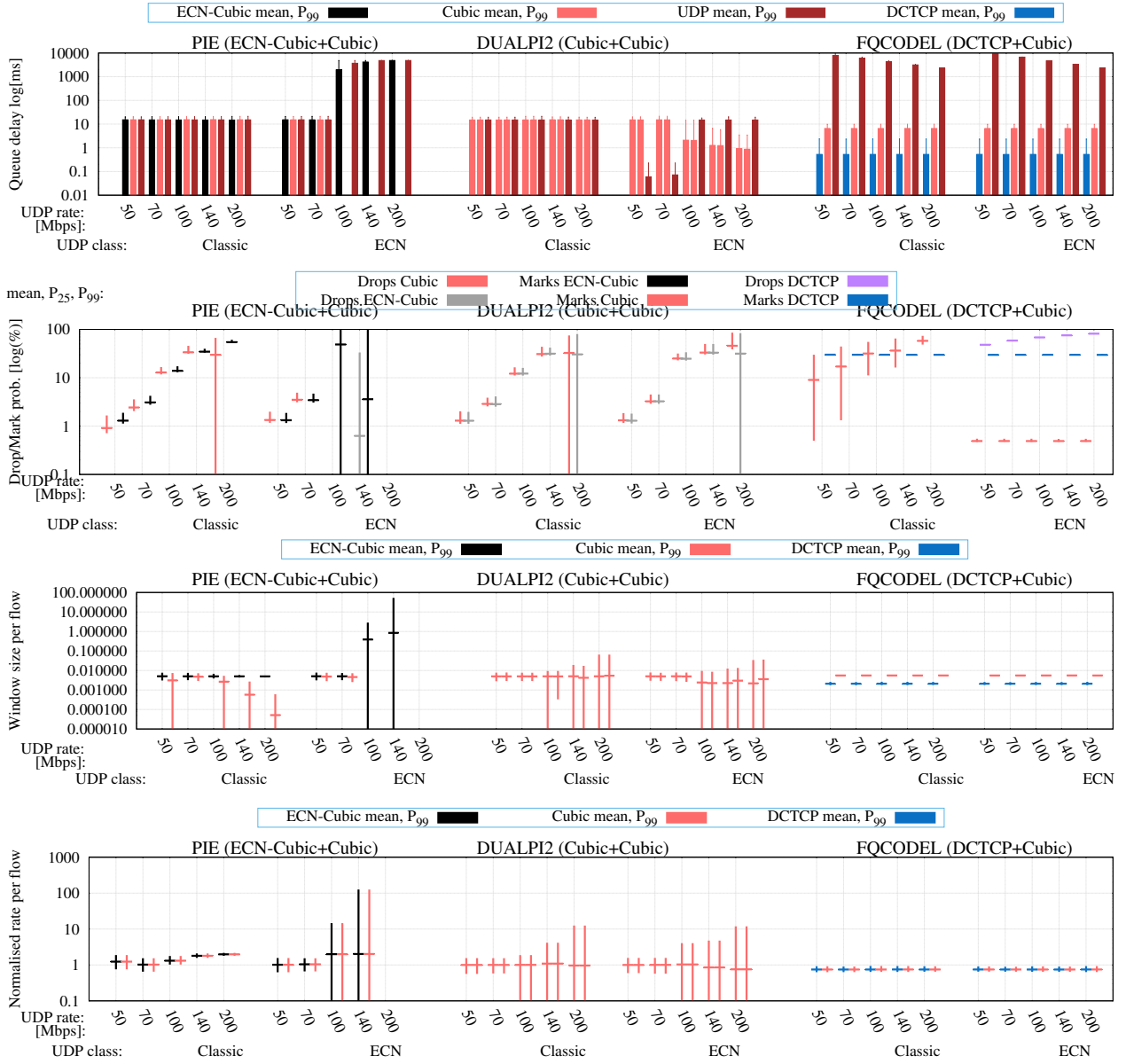


Figure C.1: Overload experiments. 1 flow for each CC