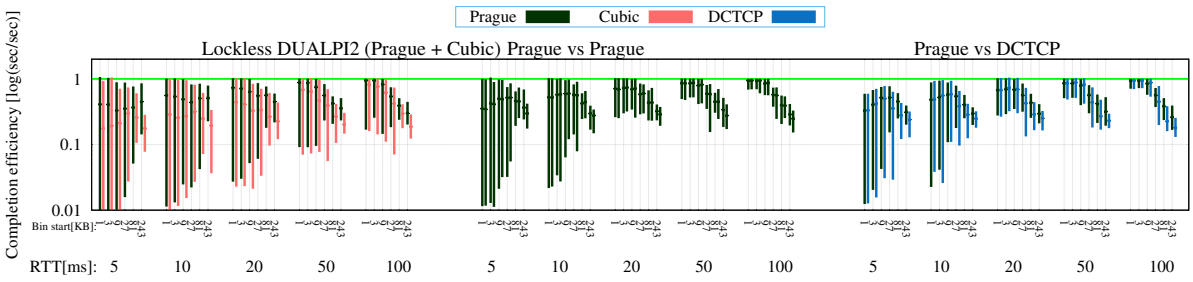
Evaluating TCP Prague.

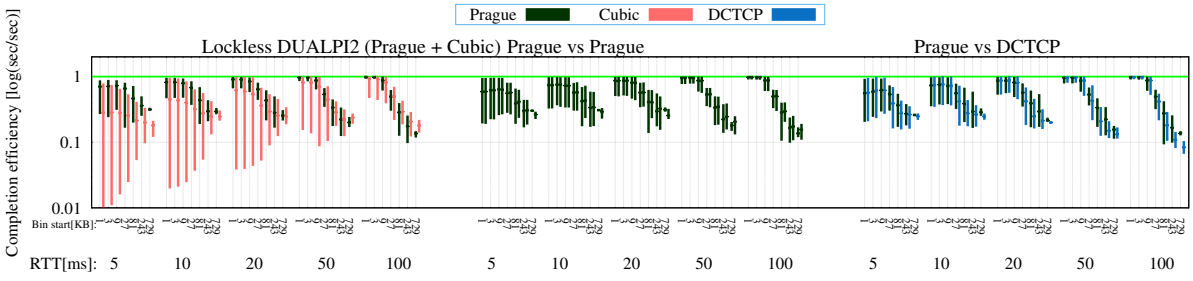
Kernel versions: aqmnode: Linux router2 5.2.0-rc5-prague-36 #1 SMP Thu Aug 1 10:10:01 CEST 2019 x86_64 x86_64 x86_64 GNU/Linux serverA: Linux svr17 5.4.0-rc1-prague-56 #1 SMP Tue Oct 22 15:38:27 CEST 2019 x86_64 x86_64 x86_64 GNU/Linux serverB: Linux svr16 5.4.0-rc1-prague-56 #1 SMP Tue Oct 22 15:38:27 CEST 2019 x86_64 x86_64 x86_64 GNU/Linux clientA: Linux svr15 5.4.0-rc1-prague-56 #1 SMP Tue Oct 22 15:38:27 CEST 2019 x86_64 x86_64 x86_64 GNU/Linux clientB: Linux svr14 5.4.0-rc1-prague-56 #1 SMP Tue Oct 22 15:38:27 CEST 2019 x86_64 x86_64 x86_64 GNU/Linux

Appendix A

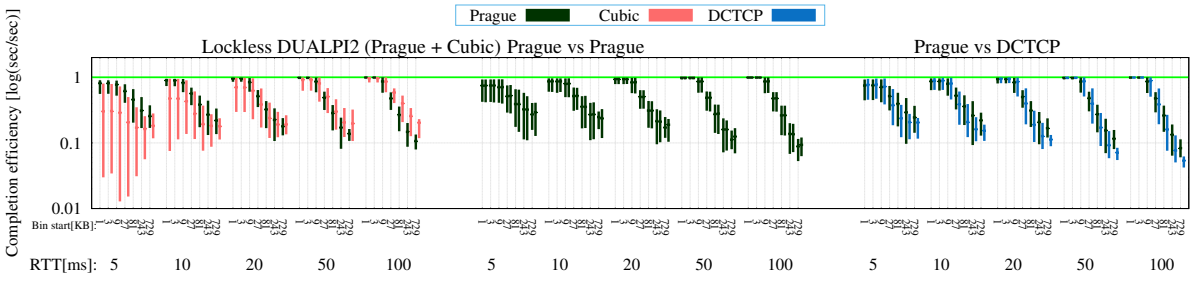
Equal RTT experiments



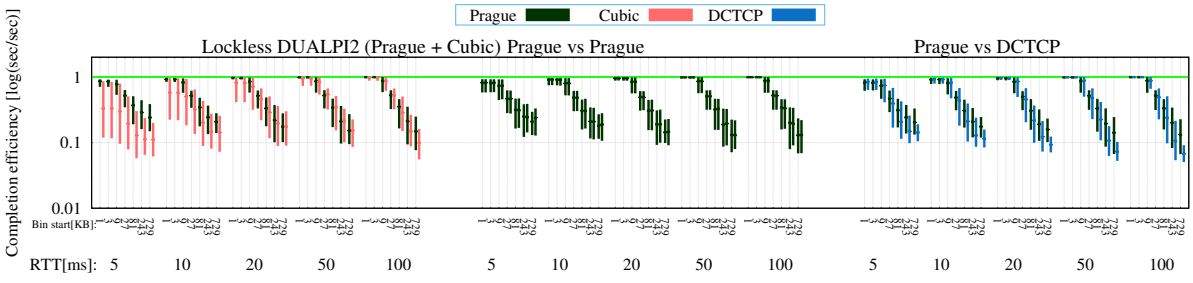
(a) 4Mbps link capacity



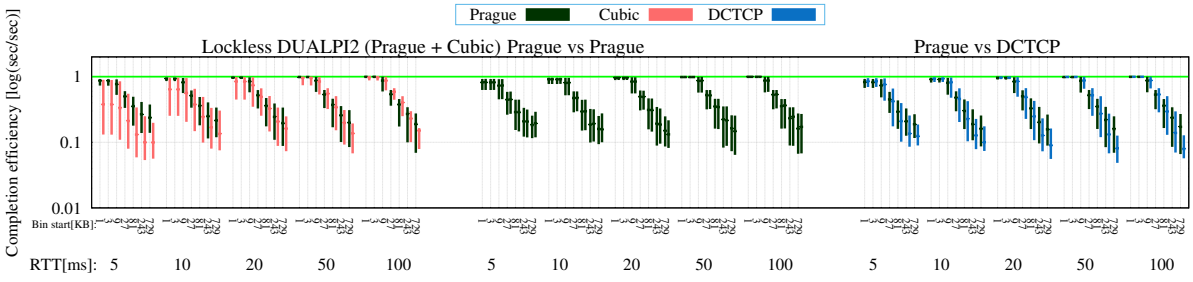
(b) 12Mbps link capacity



(c) 40Mbps link capacity



(d) 120 Mbps link capacity



(e) 200 Mbps link capacity

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

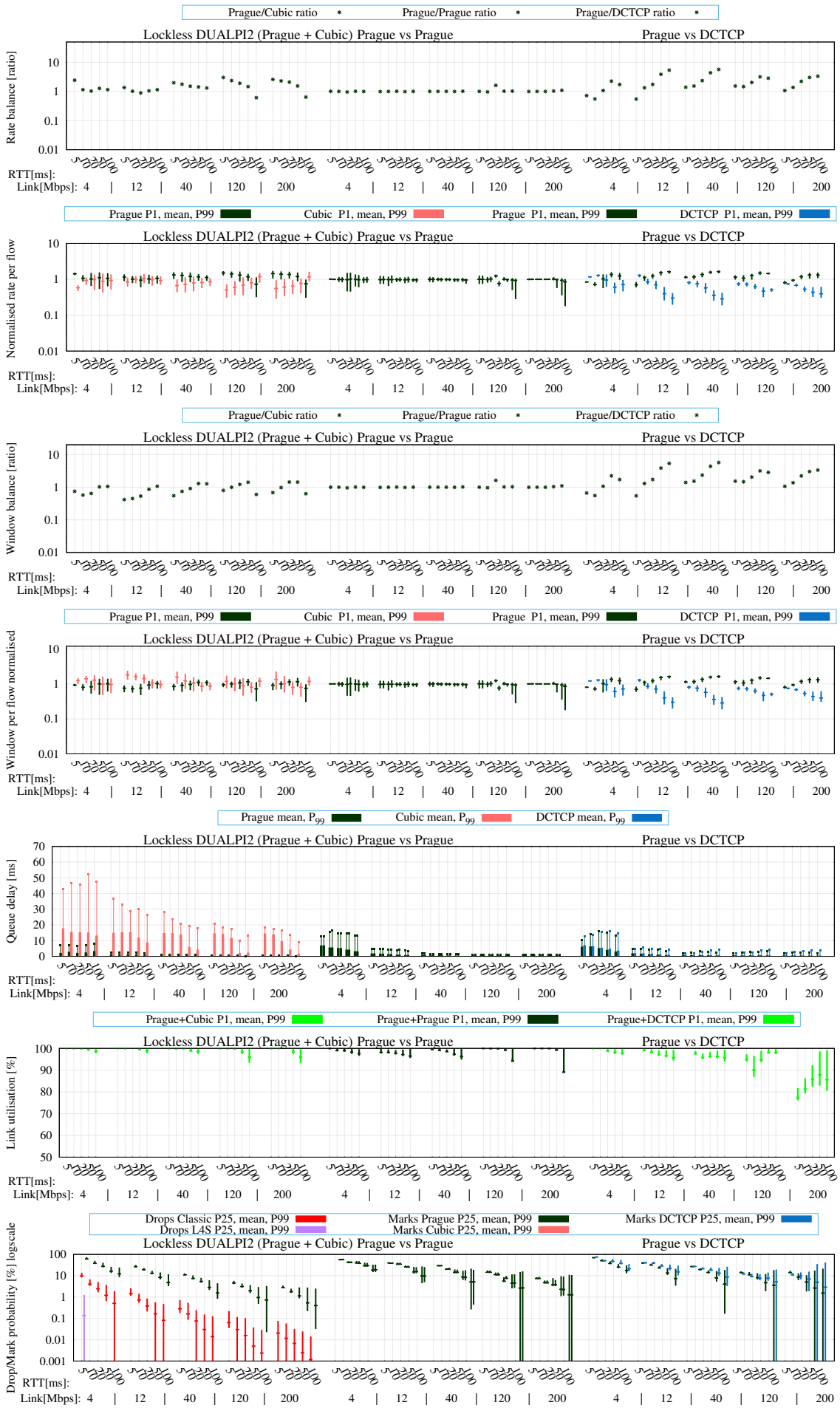


Figure A.2: Equal RTT (1-1)

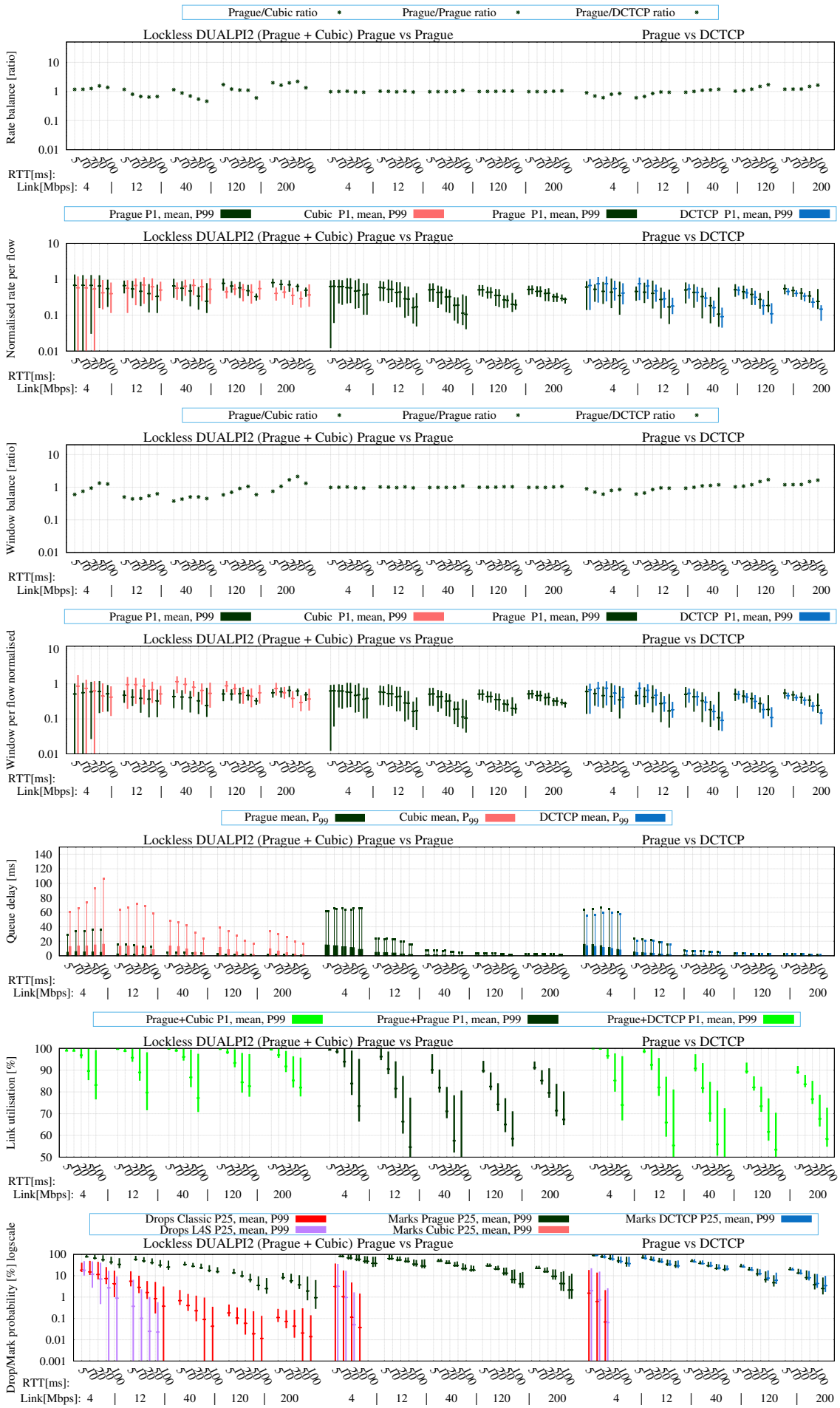


Figure A.3: Equal RTT (1h-1h)

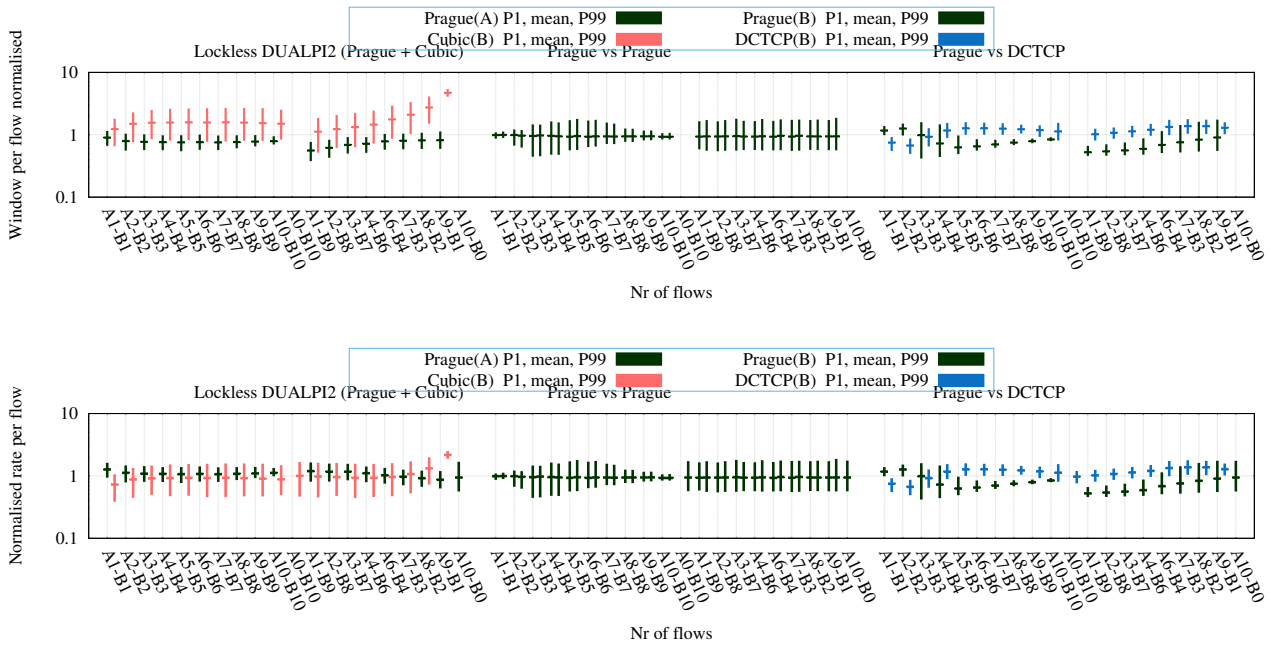


Figure A.4: Normalised rate and window size per flow. 40Mbps link capacity, 10ms RTT. Equal RTT

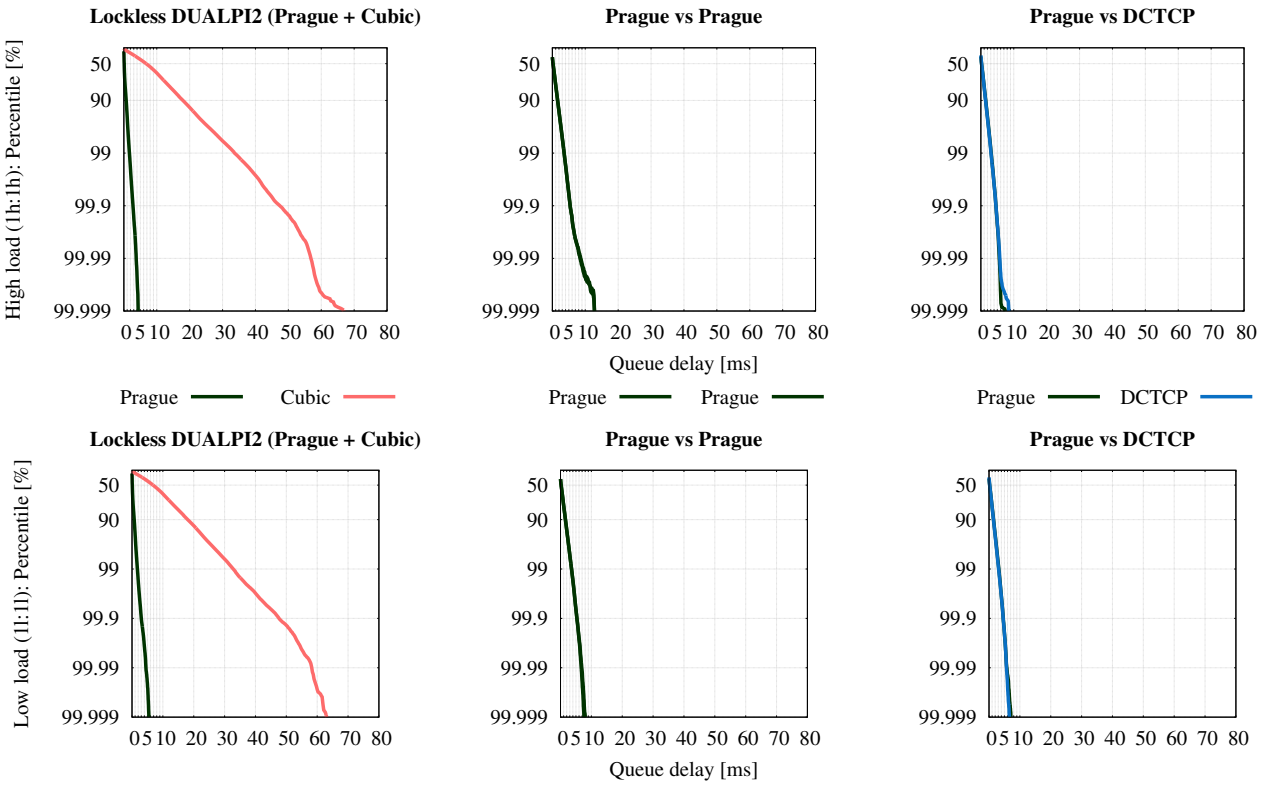


Figure A.5: Queue delay CCDF. 120Mbps link capacity, 10ms RTT. Equal RTT

Appendix B

Mixed RTT experiments

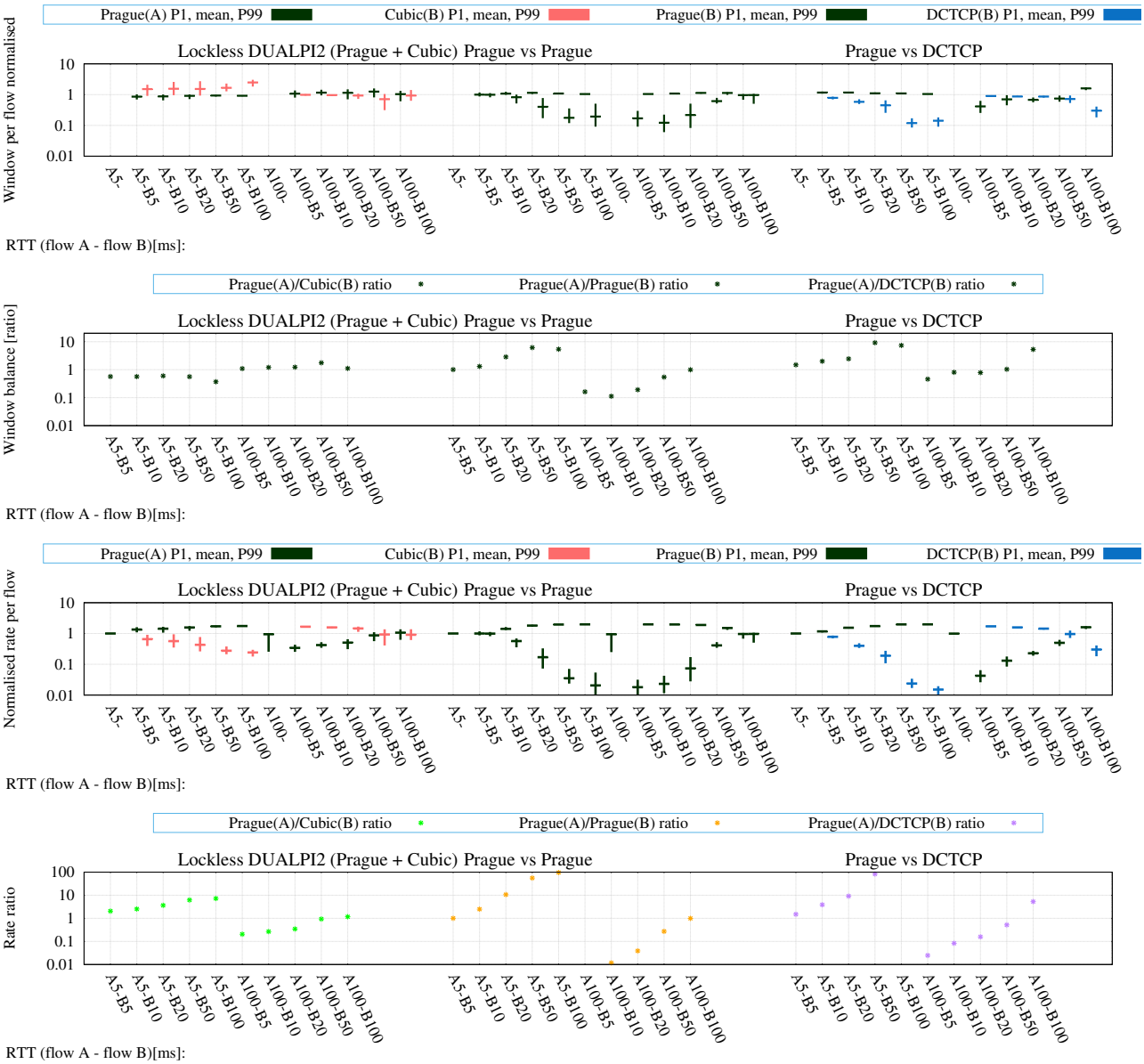


Figure B.1: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

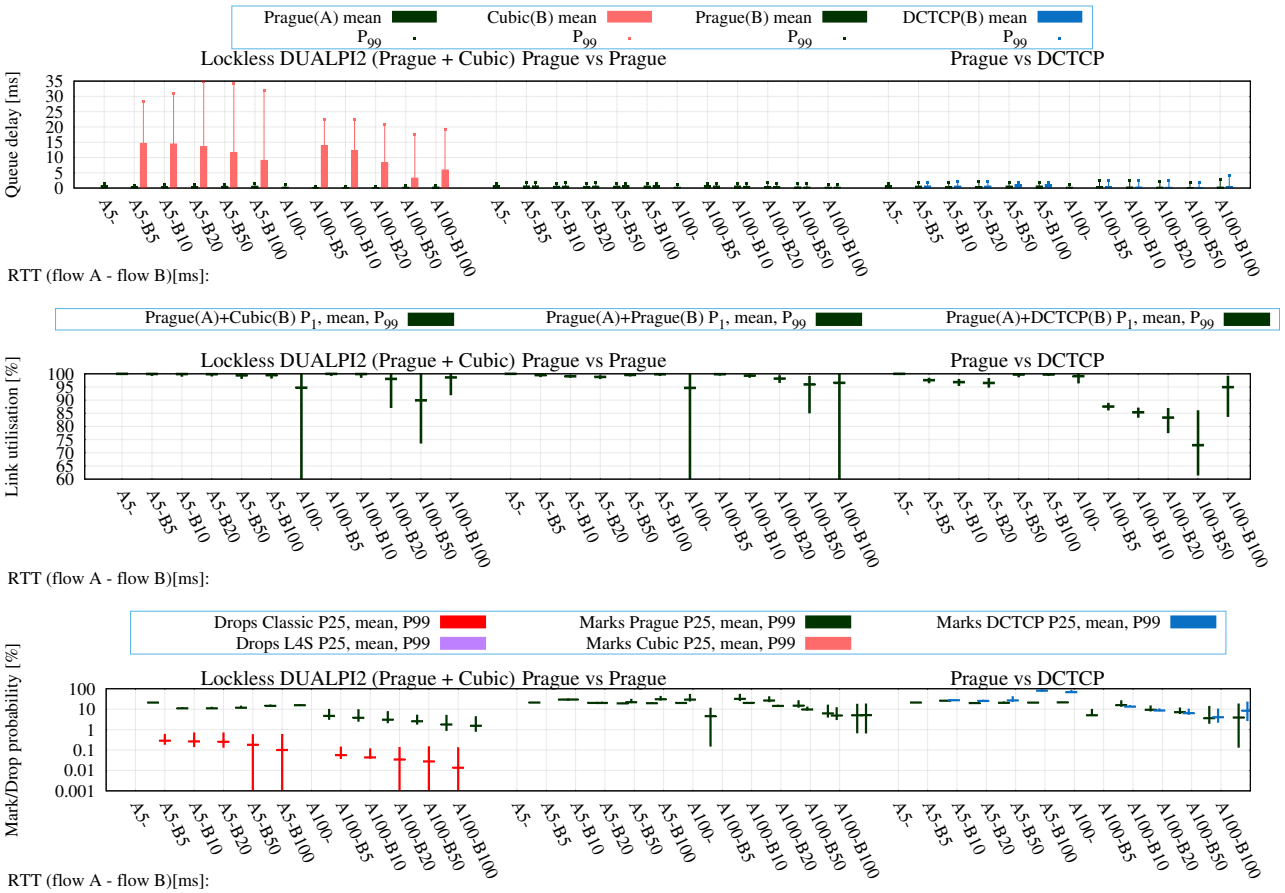


Figure B.2: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

Appendix C

Overload experiments

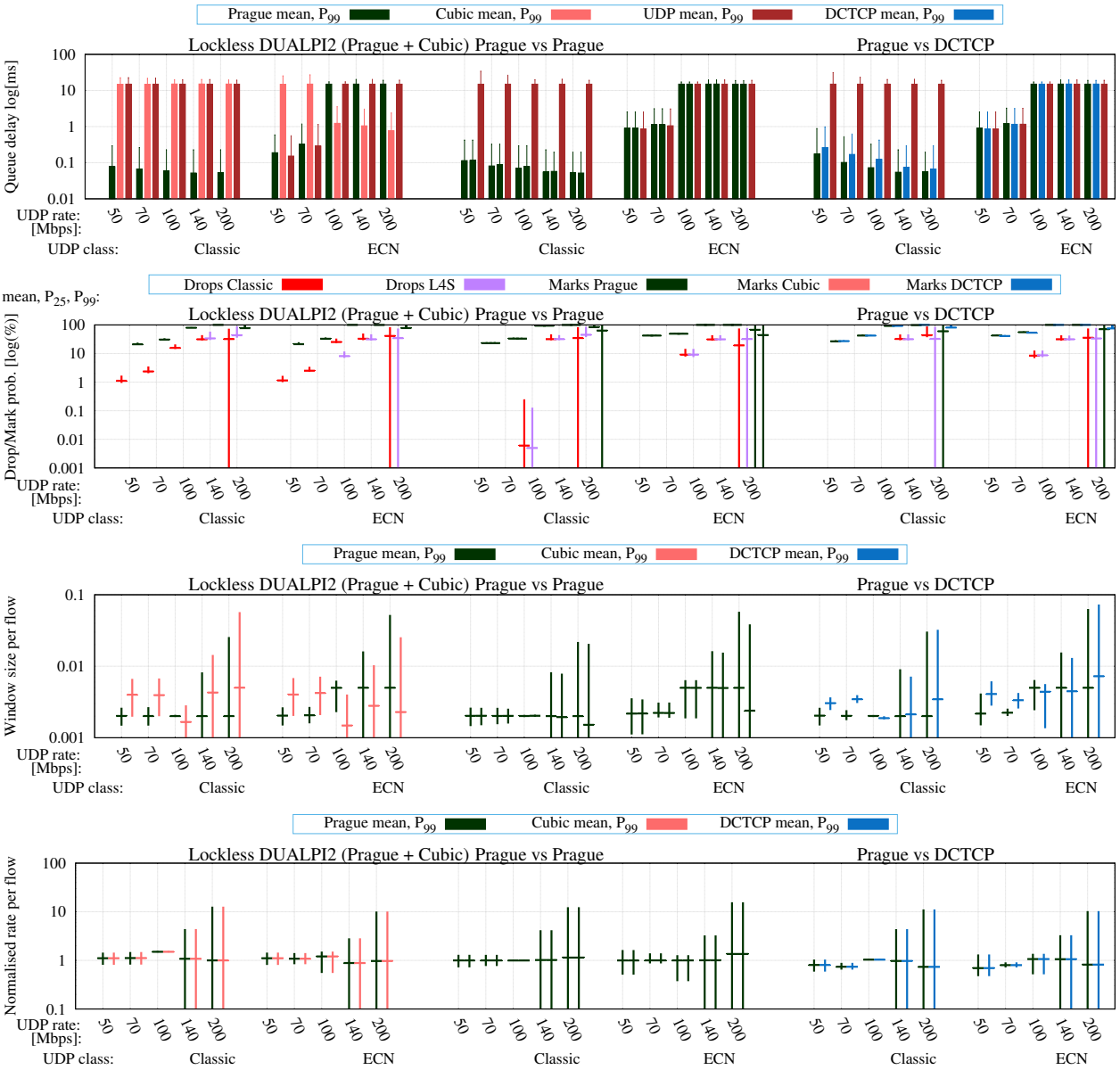


Figure C.1: Overload experiments. 1 flow for each CC