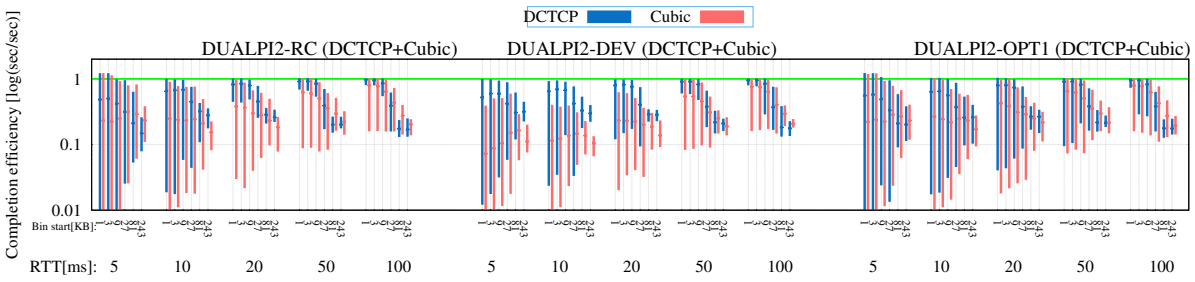
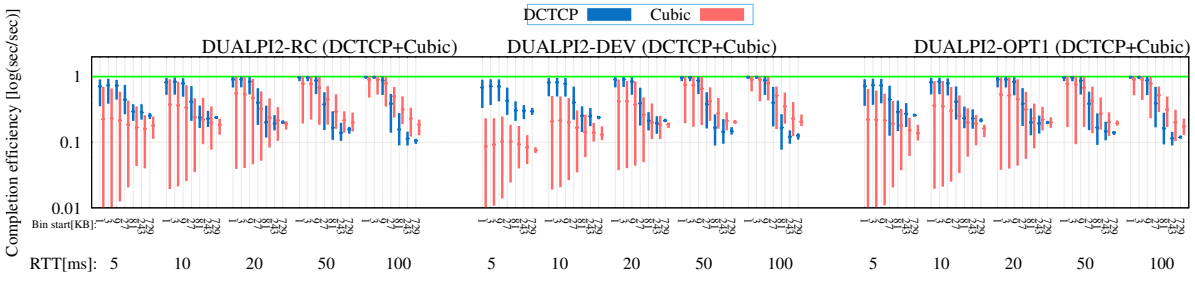
Comparing DUALPI2-RC with any_ect option set with DUALPI2 using IETF draft parameters (target 15.0ms tupdate 16.0ms alpha 0.156250 beta 3) labelled as DUALPI2-DEV, and DUALPI2 with old default parameters (target 20.0ms tupdate 32.0ms alpha 0.312500 beta 3.125000), labelled as DUALPI2-OPT1. Both DUALPI2-DEV and DUALPI2-OPT1 use wrr bytes option 1 implementation. There is a slight inconsistency in the beta value, since the latest formula was used to calculate it for DUALPI2-DEV and DUALPI2-OPT1, but it should not affect the results significantly.

# Appendix A

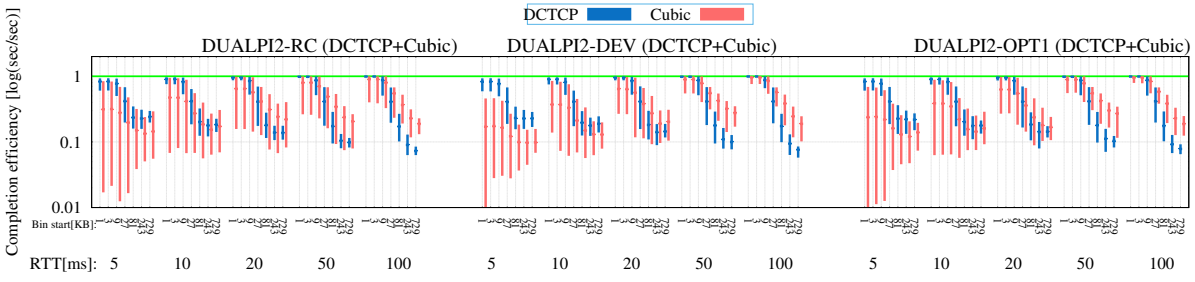
# Equal RTT experiments



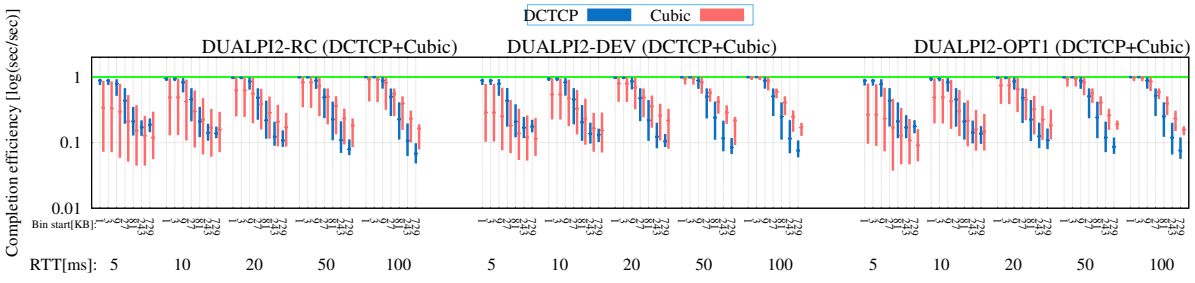

(a) 4Mbps link capacity



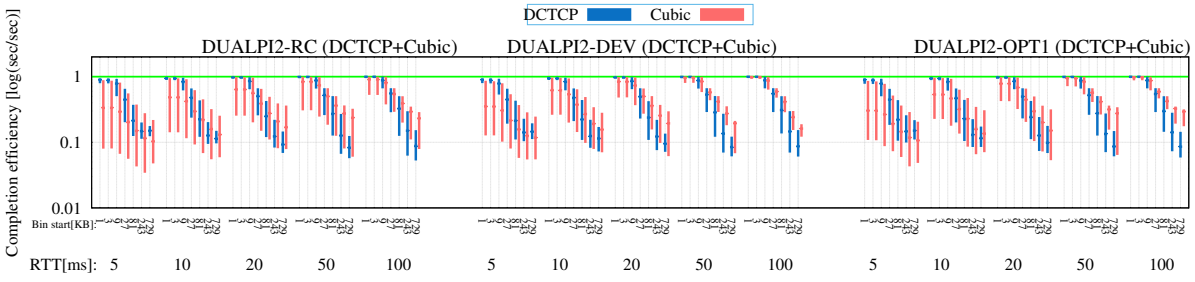

(b) 12Mbps link capacity




(c) 40Mbps link capacity




(d) 120 Mbps link capacity




(e) 200 Mbps link capacity

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

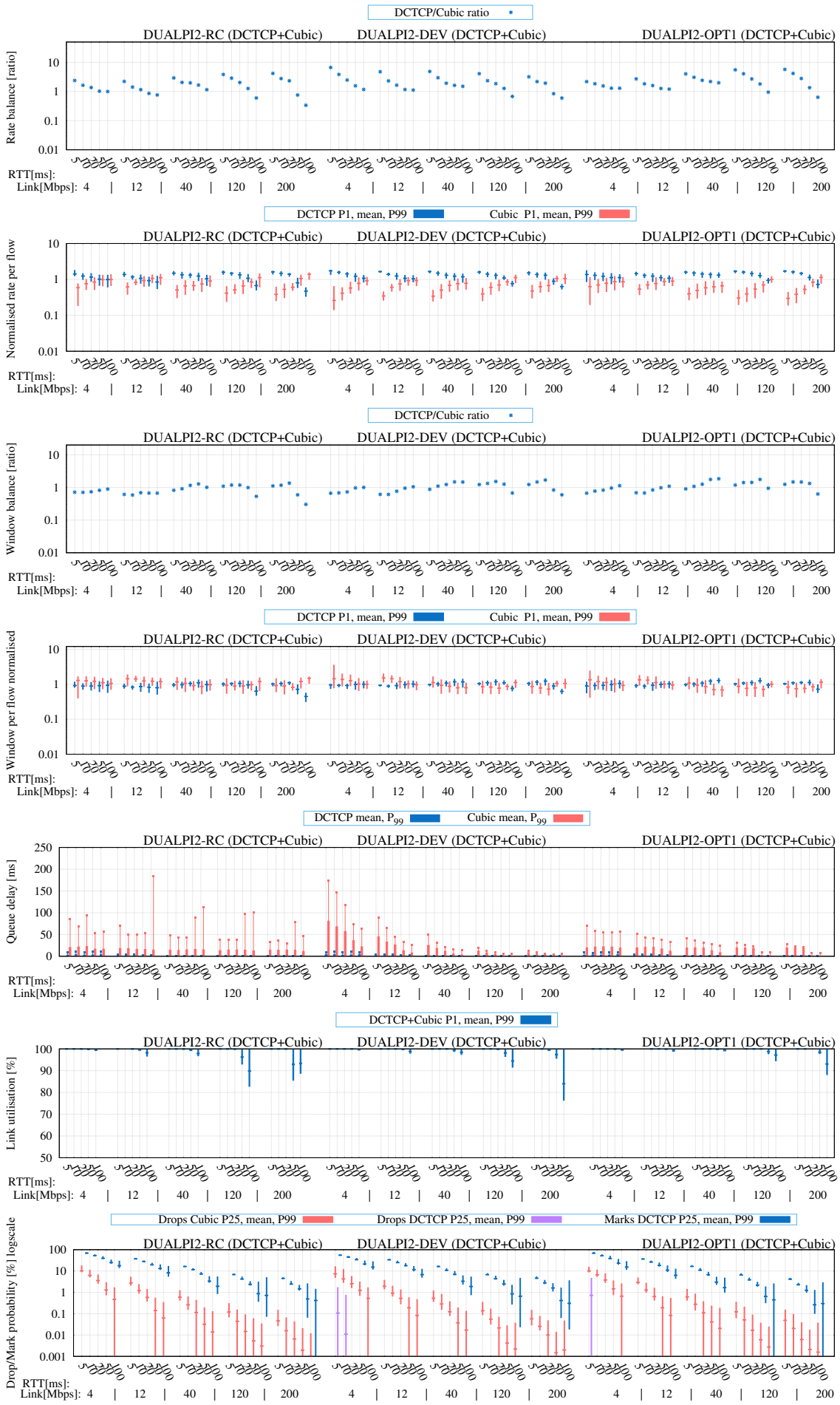



Figure A.2: Equal RTT (1-1)

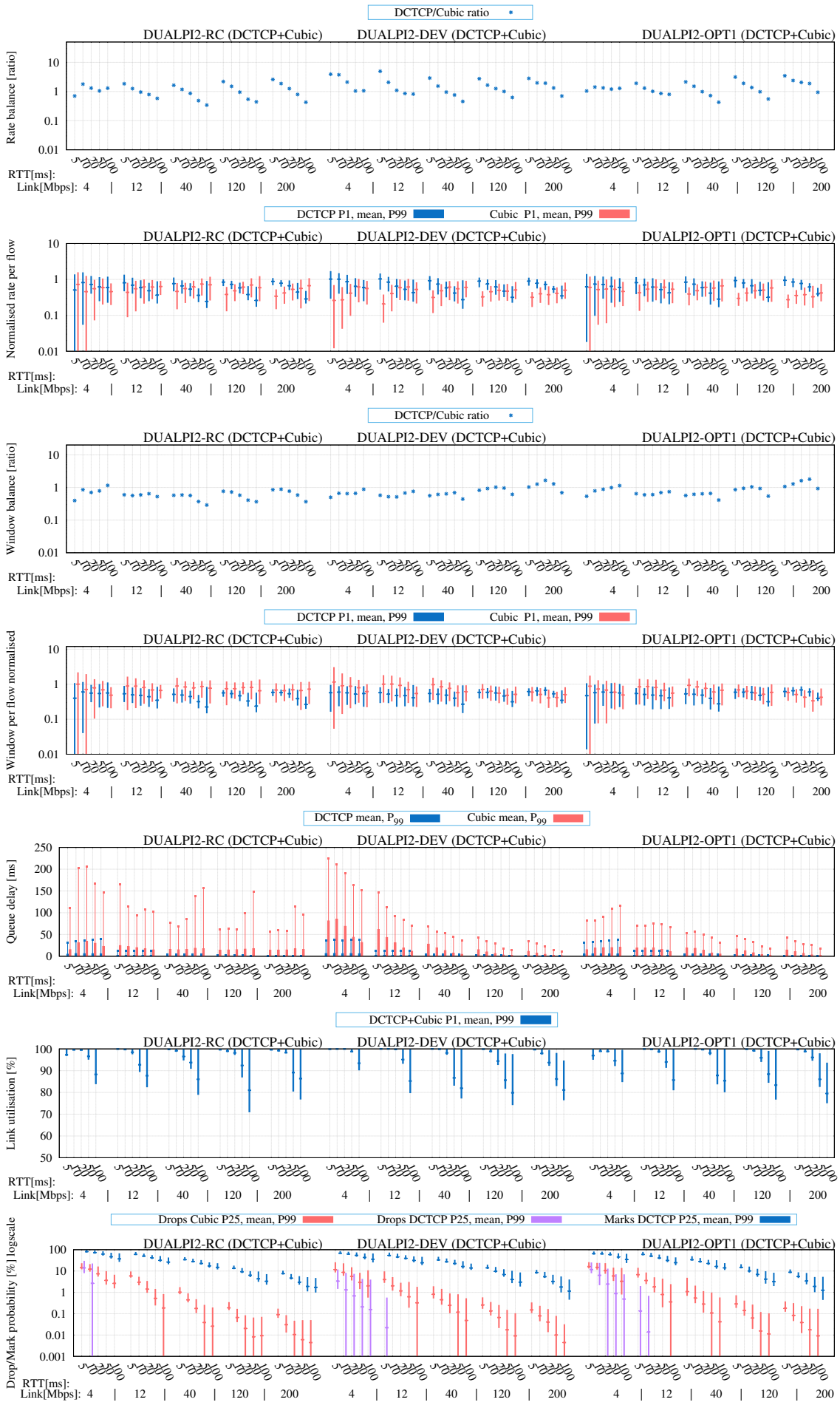



Figure A.3: Equal RTT (1h-1h)

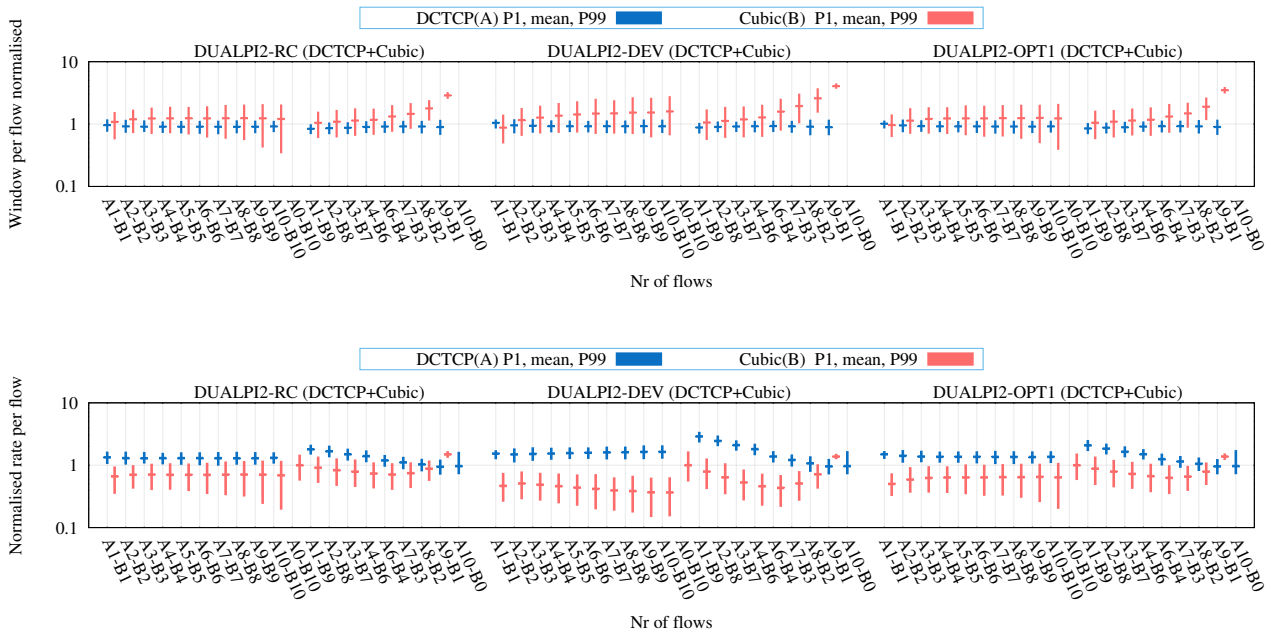






Figure A.4: Normalised rate and window size per flow. 40Mbps link capacity, 10ms RTT. Equal RTT

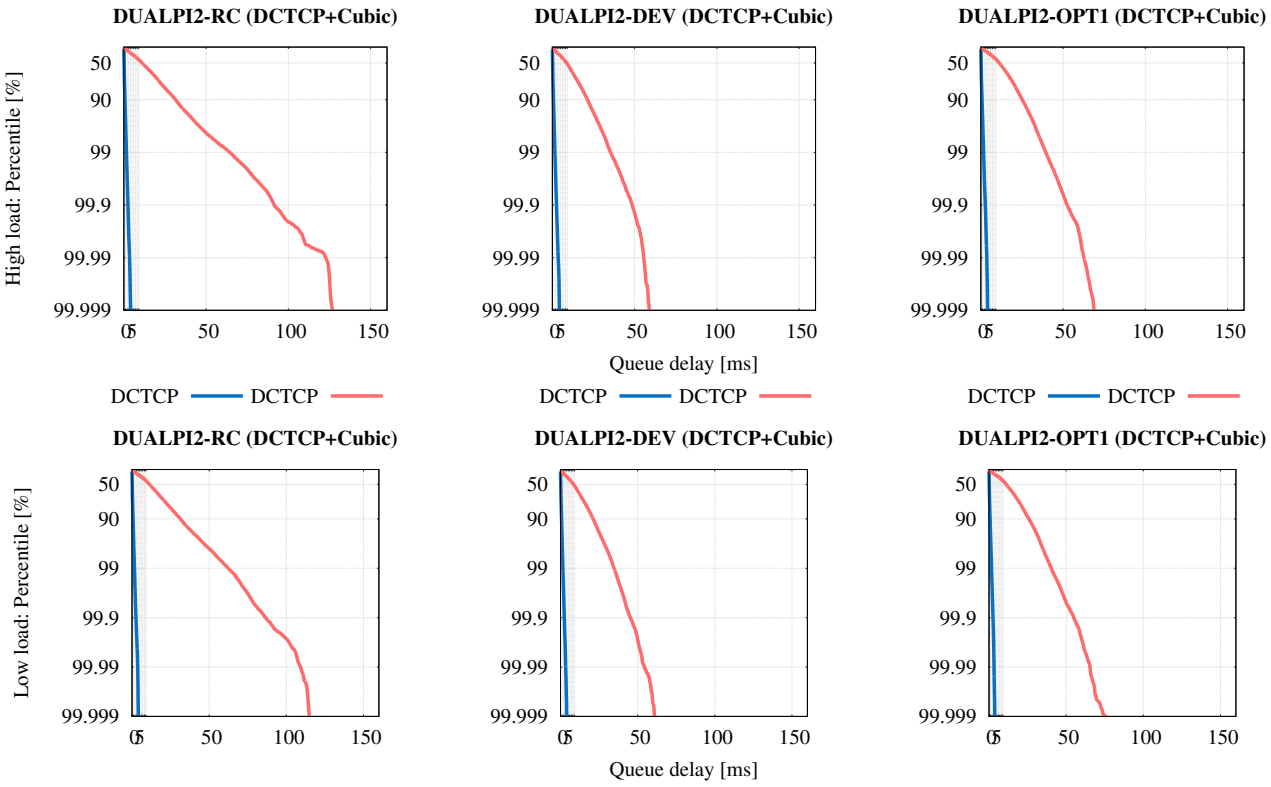



Figure A.5: Queue delay CCDF. 120Mbps link capacity, 10ms RTT. Equal RTT

# Appendix B

# Mixed RTT experiments

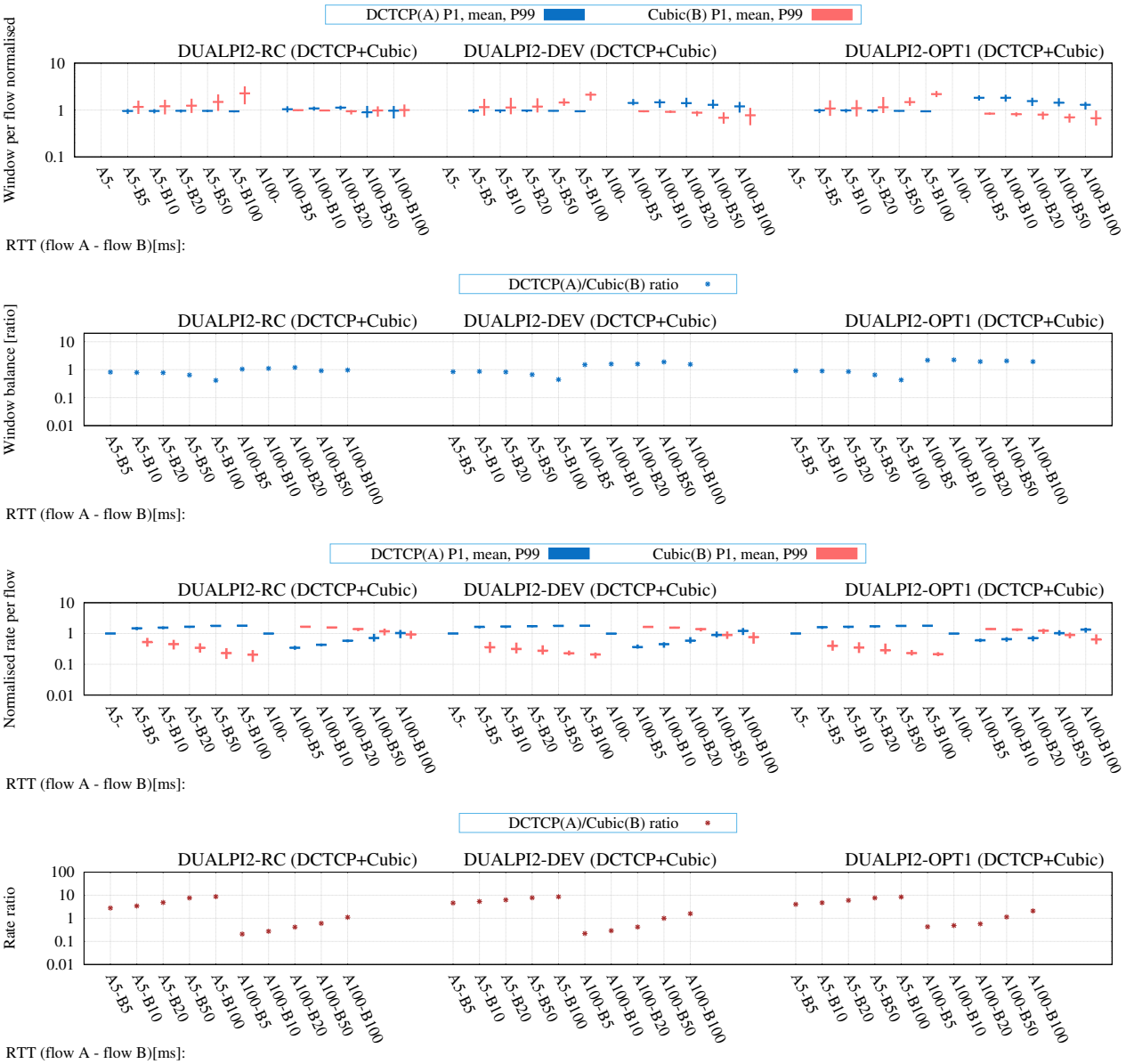



Figure B.1: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

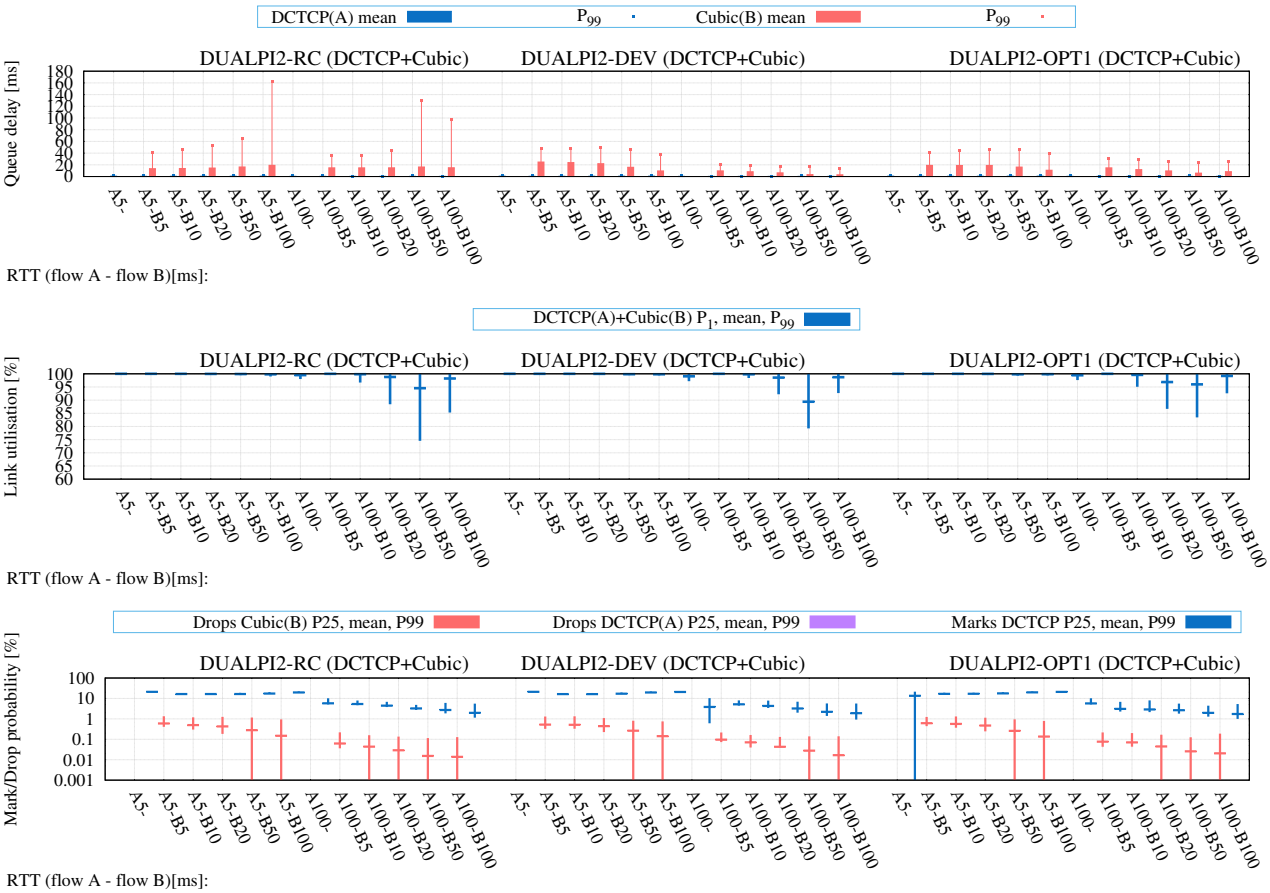



Figure B.2: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

# Appendix C

# Overload experiments

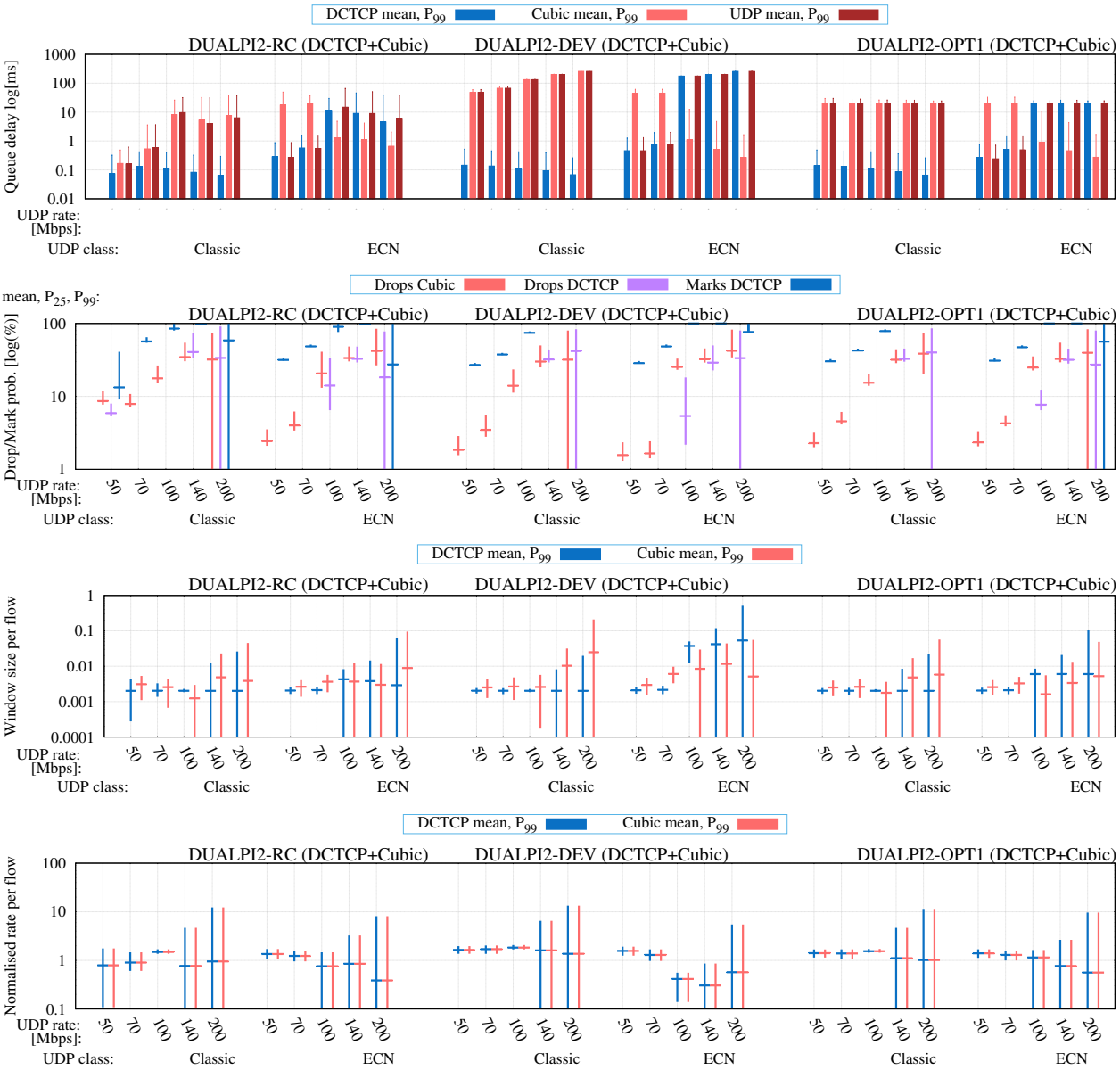



Figure C.1: Overload experiments. 1 flow for each CC