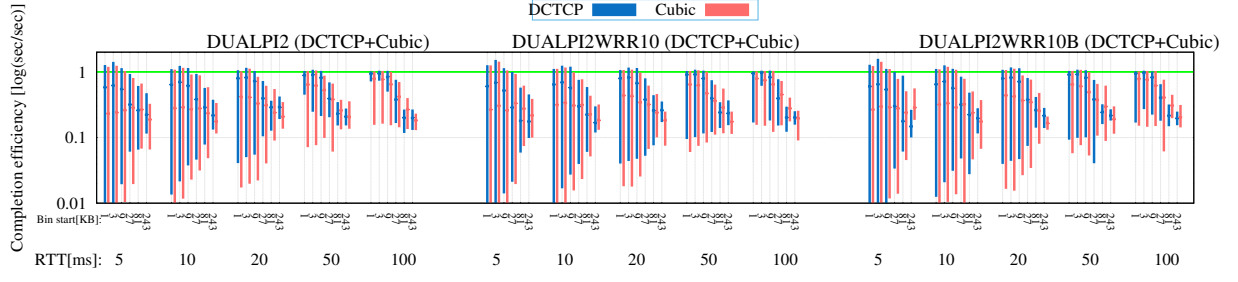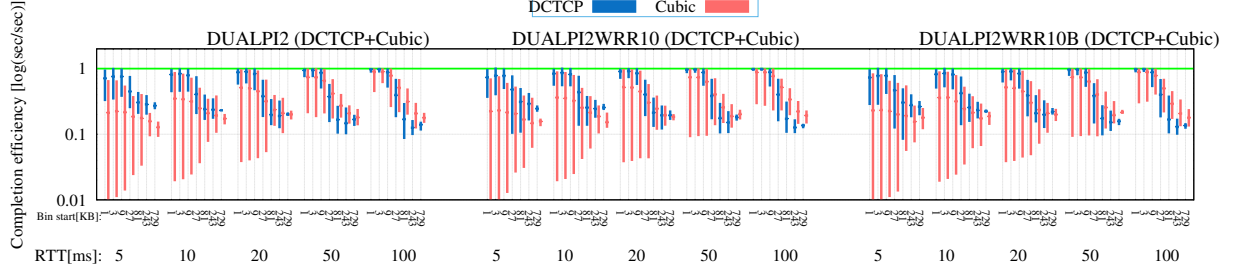Comparing DualPI2 baseline with WRR ratio 10 by packets (DUALPI2WRR10) and bytes (DUALPI2WRR10B), with overload enabled (now by default), where l_drop is set to 100. ECN threshold was set to 6ms for 4 Mbps link, 2ms for 12 Mbps link, and 1ms in all other cases. The rest of the parameters were default values, except for dc_ecn and dc_dualq. These experiments were done with DCTCP from 3.19 kernel with added response to drops. First column (DUALPI2) shows baseline results, with tsfifo t_shift 40ms, target 20 ms and overload enabled, and additional limit of 1 packet in combination with ecn threshold.
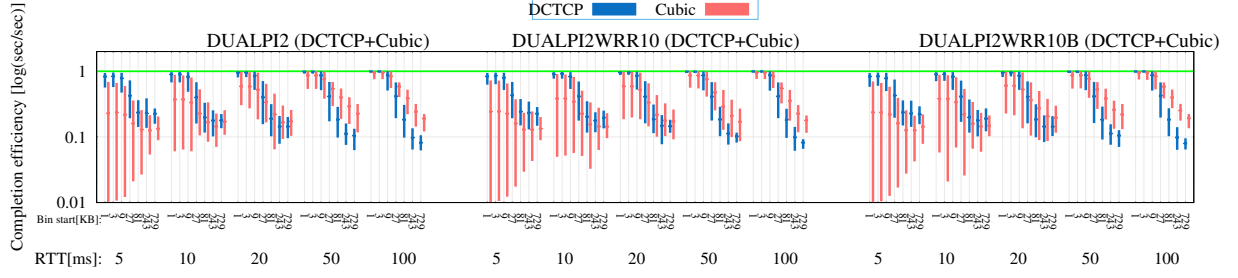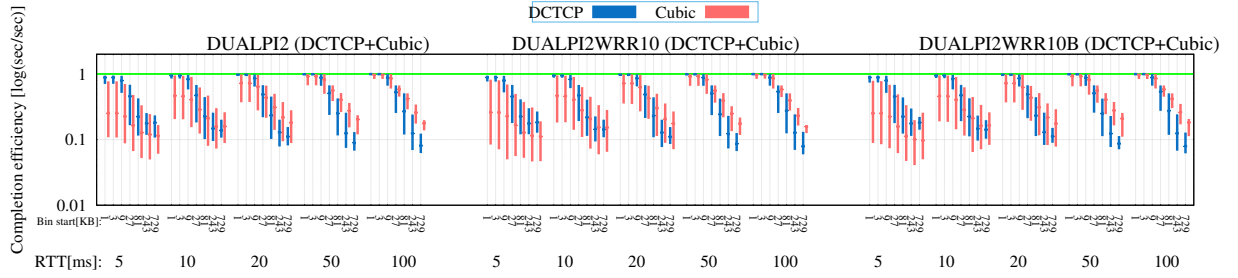
Appendix A

Equal RTT experiments
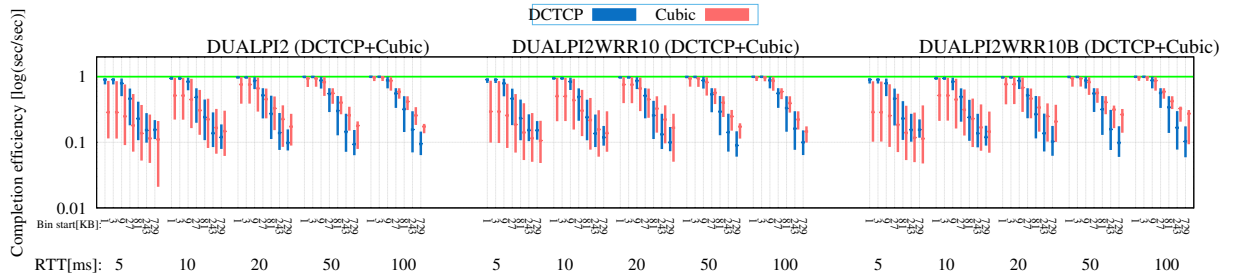
(a) 4Mbps link capacity

(b) 12Mbps link capacity

(c) 40Mbps link capacity

(d) 120 Mbps link capacity

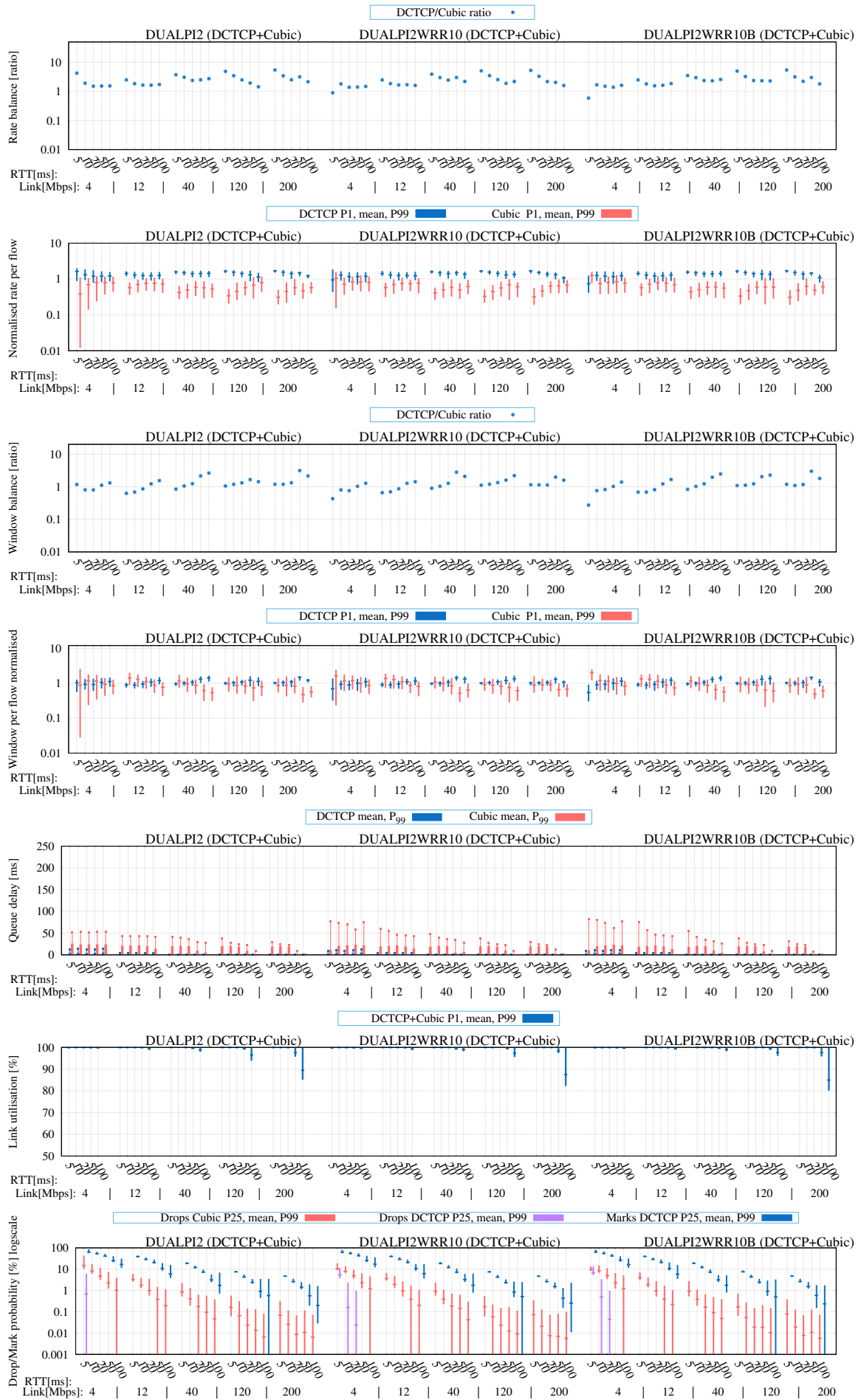(e) 200 Mbps link capacity

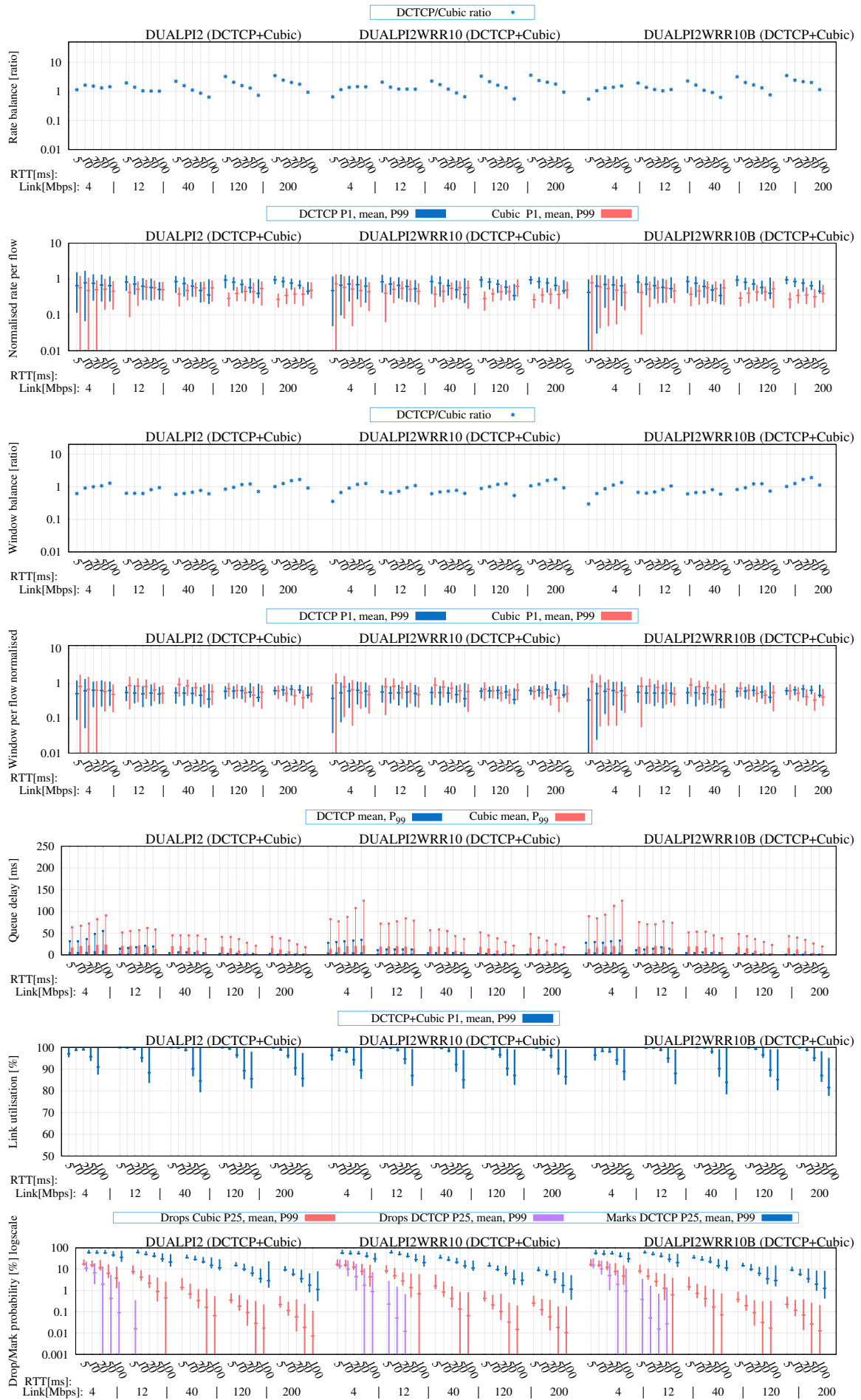Figure A.1: Equal RTT (1h-1h)

Figure A.2: Equal RTT (1-1)
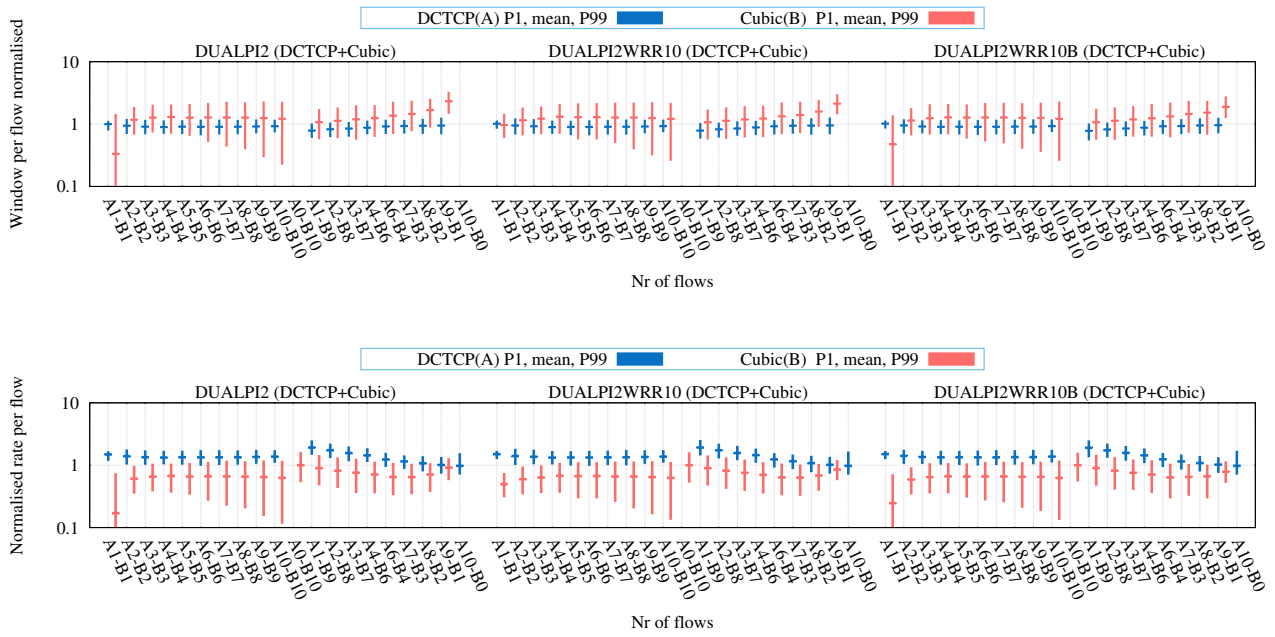
Figure A.3: Equal RTT (1h-1h)

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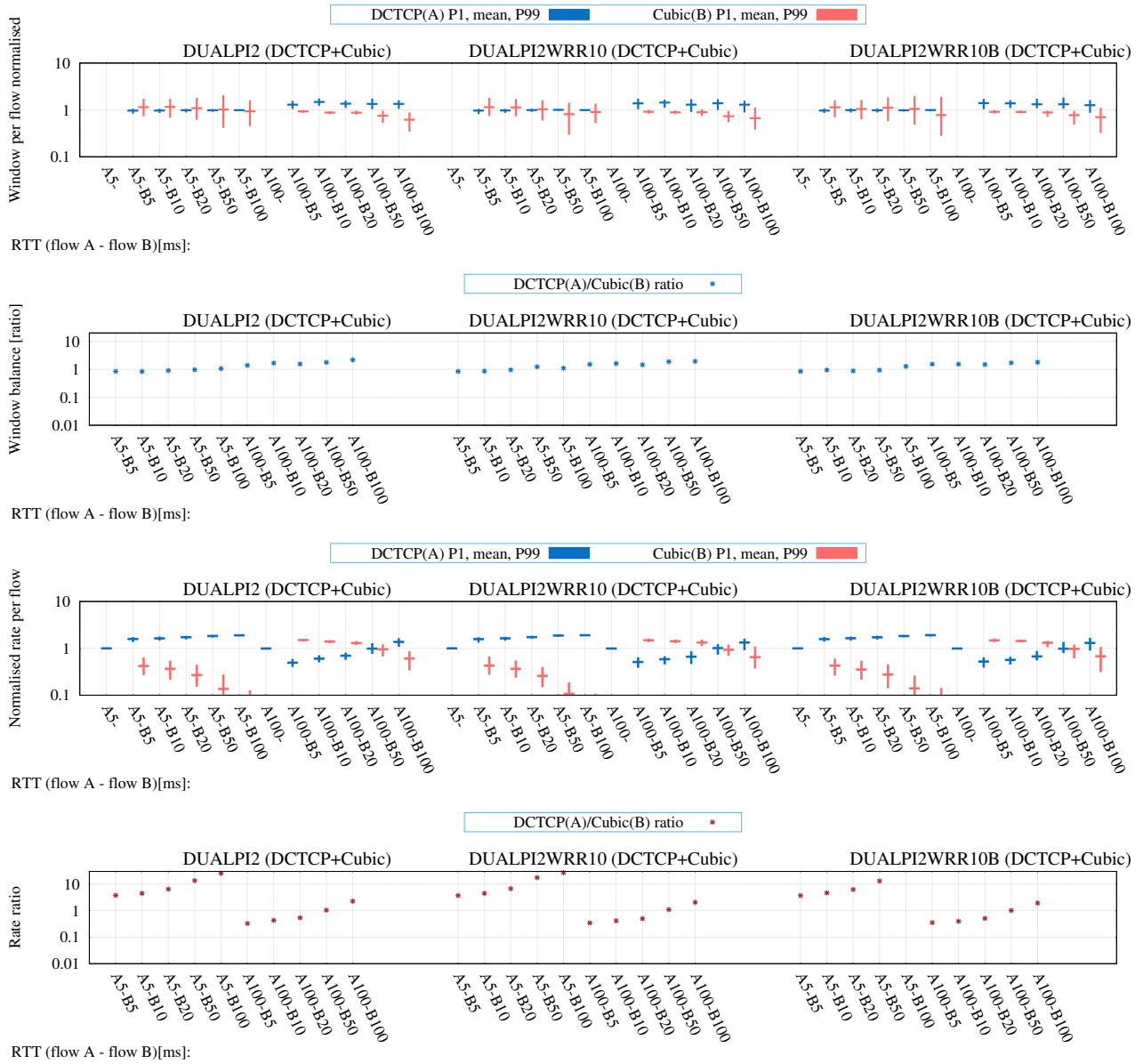
Appendix B

Mixed RTT experiments

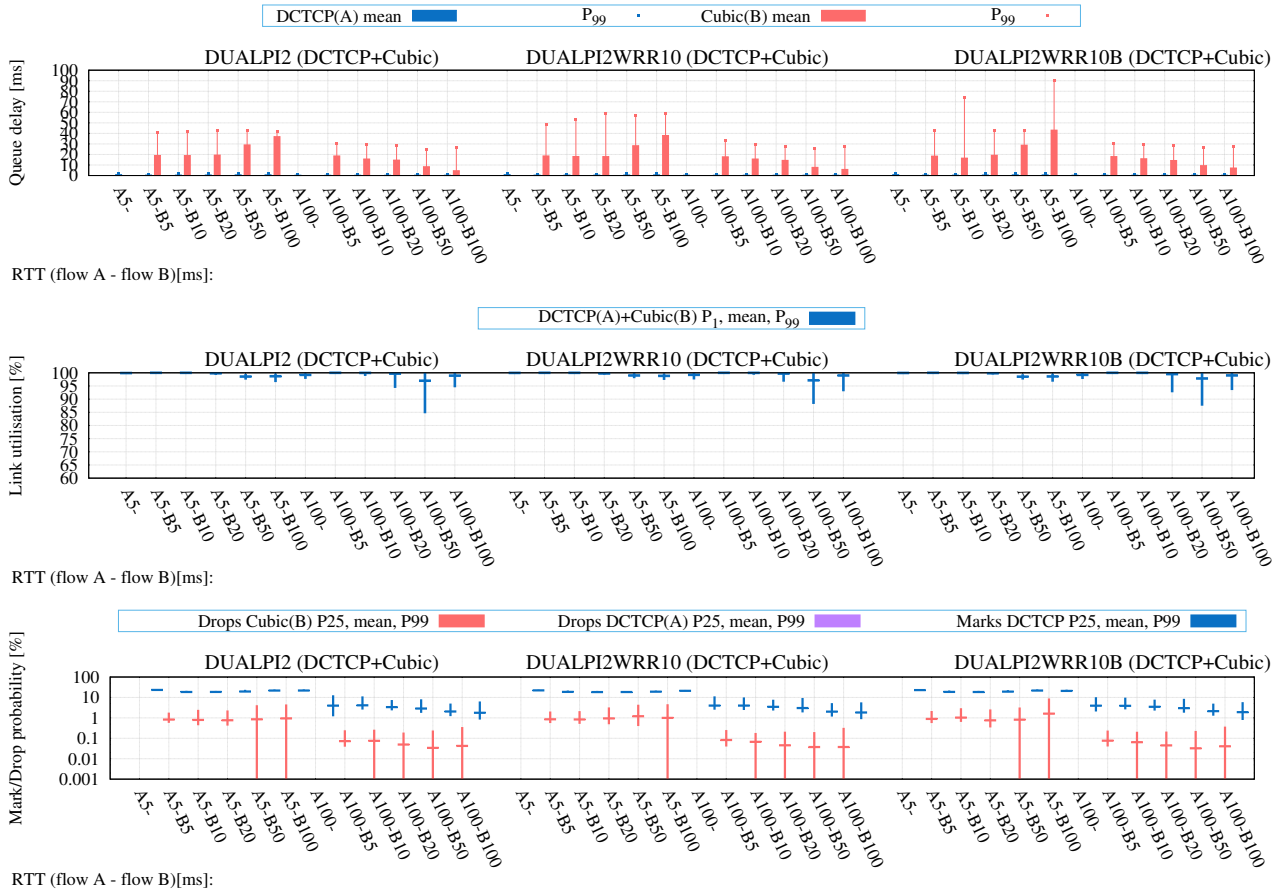Figure B.1: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

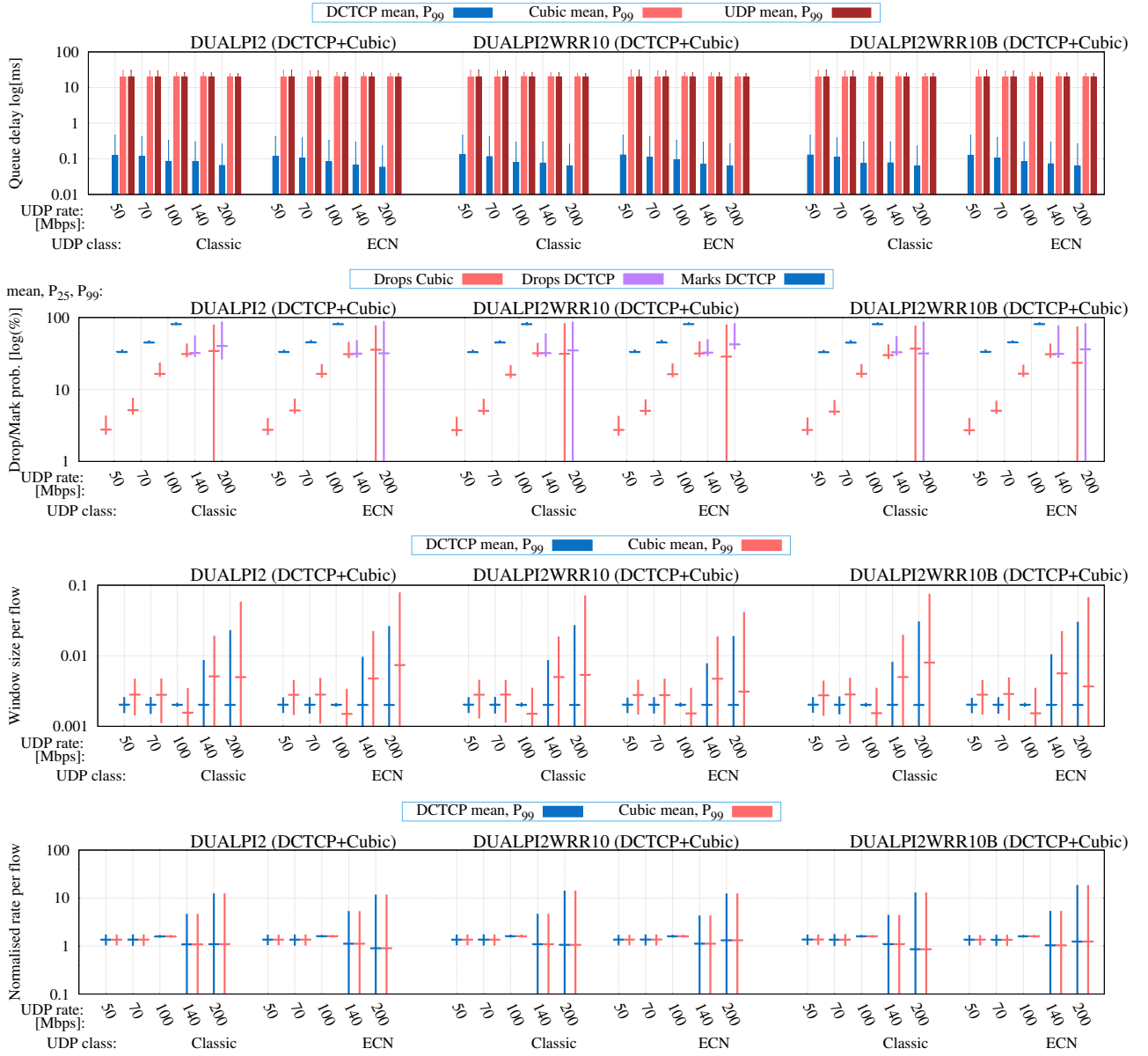Figure B.2: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

Appendix C

Overload experiments

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