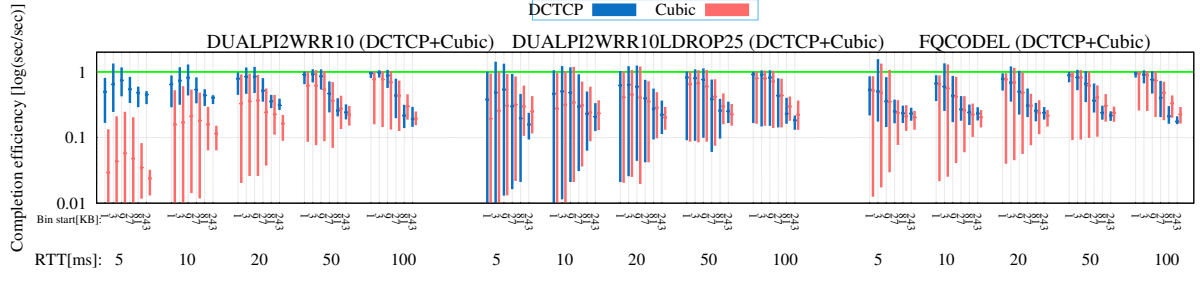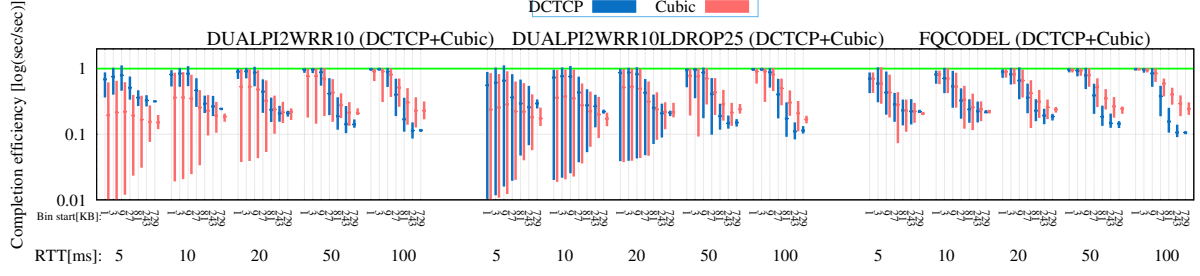Comparing DualPI2 with WRR ratio 10, without overload enabled (DUALPI2WRR10), and with overload where l_drop was set to 25 (DUALPI2WRR10LDROP25). Pure WRR was used (t_shift was set to 0). ECN threshold was set to 6ms for 4 Mbps link, 2ms for 12 Mbps link, and 1ms in all other cases. The rest of the parameters were default values. For FQ_CODEL, the ec_threshold was set to the same values as in DualPI2. These experiments were run with DCTCP from 5.1 kernel, so the results are not reliable and only included for the reference.
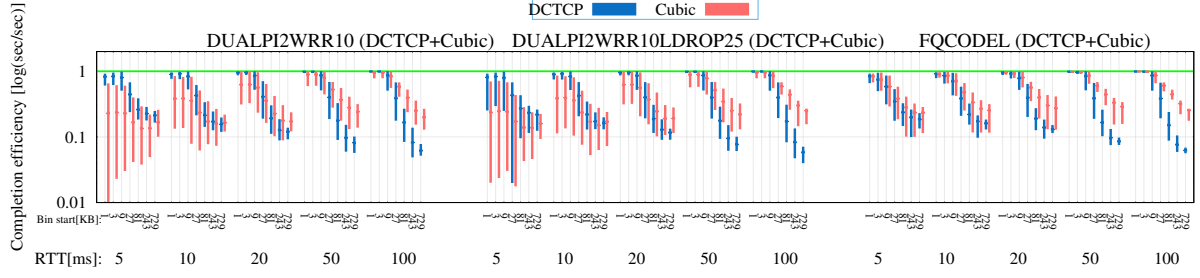
Appendix A
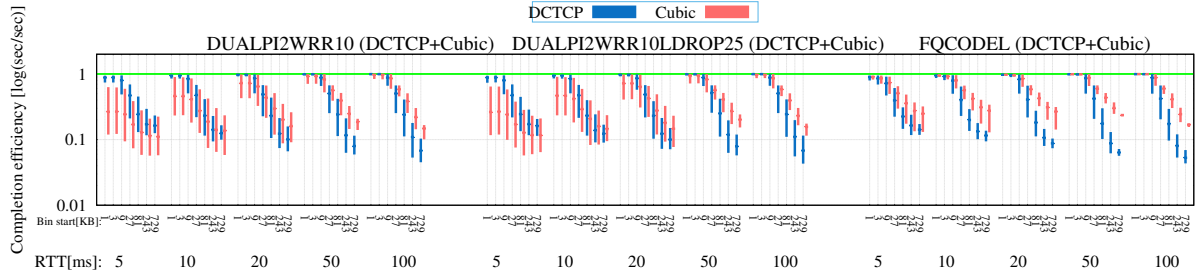
Equal RTT experiments

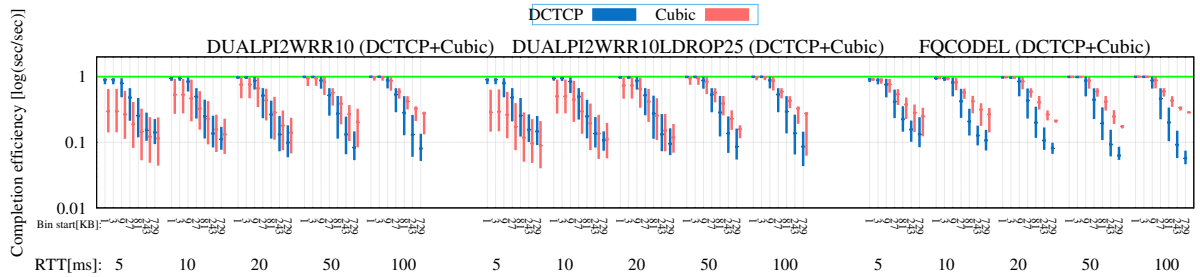(a) 4Mbps link capacity

(b) 12Mbps link capacity

(c) 40Mbps link capacity

(d) 120 Mbps link capacity

(e) 200 Mbps link capacity

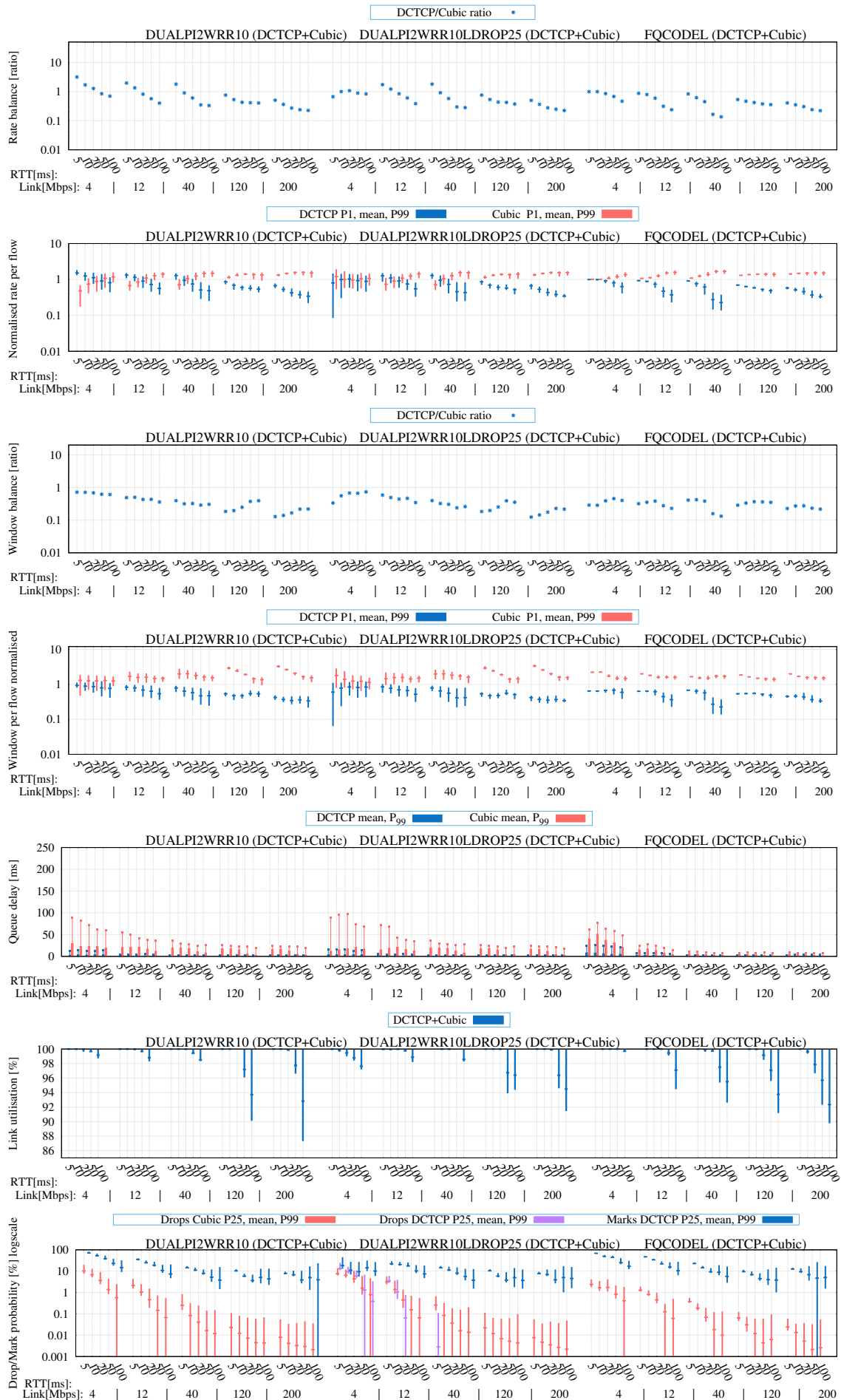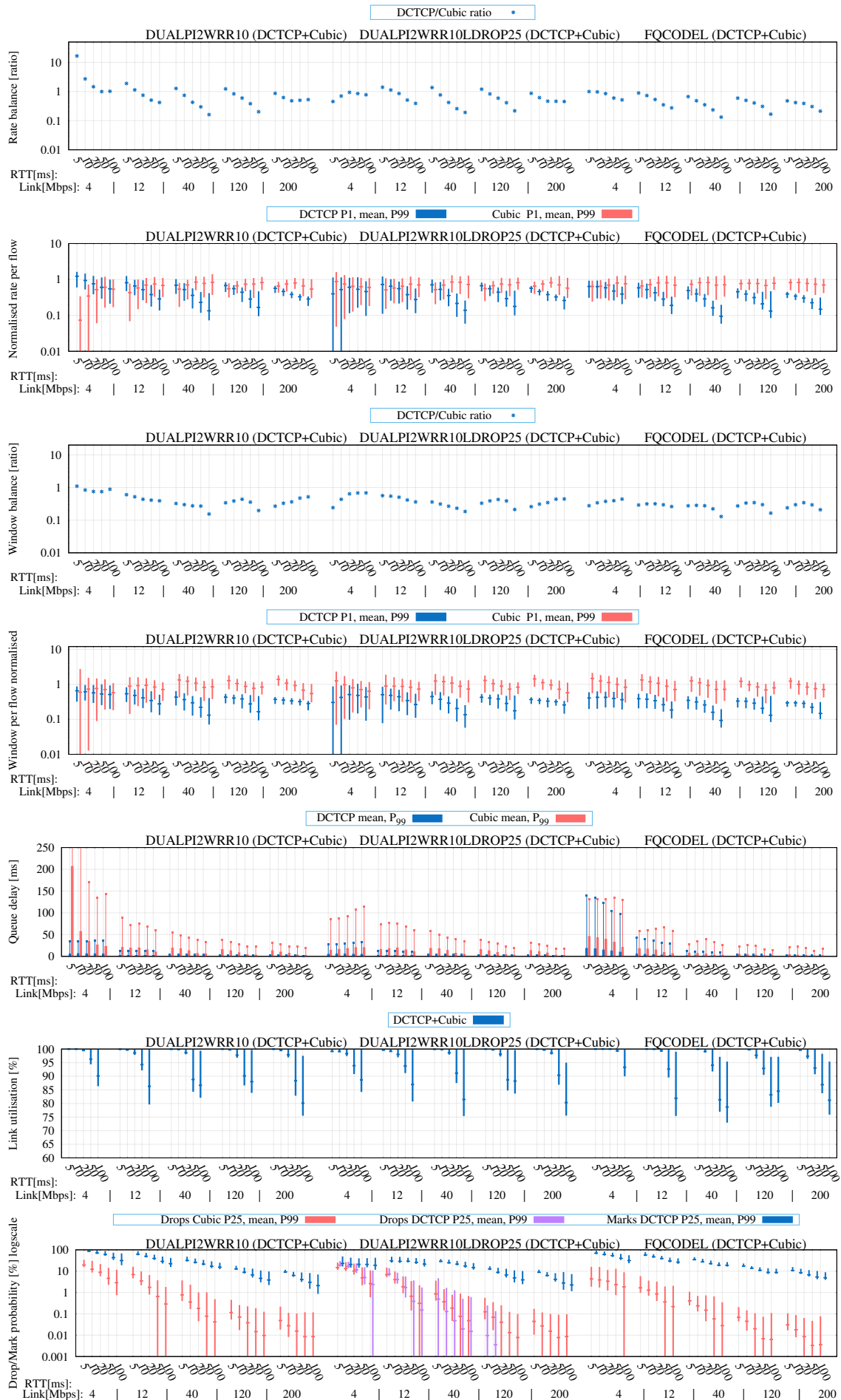Figure A.1: Equal RTT (1h-1h)

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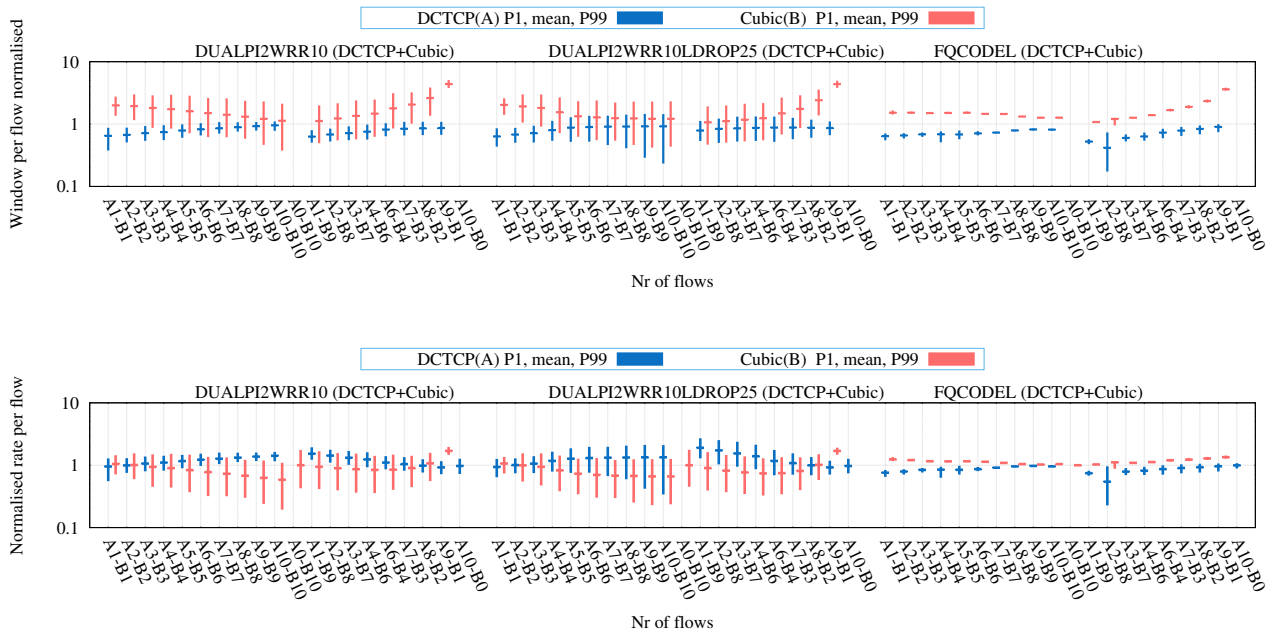
Figure A.3: Equal RTT (1h-1h)

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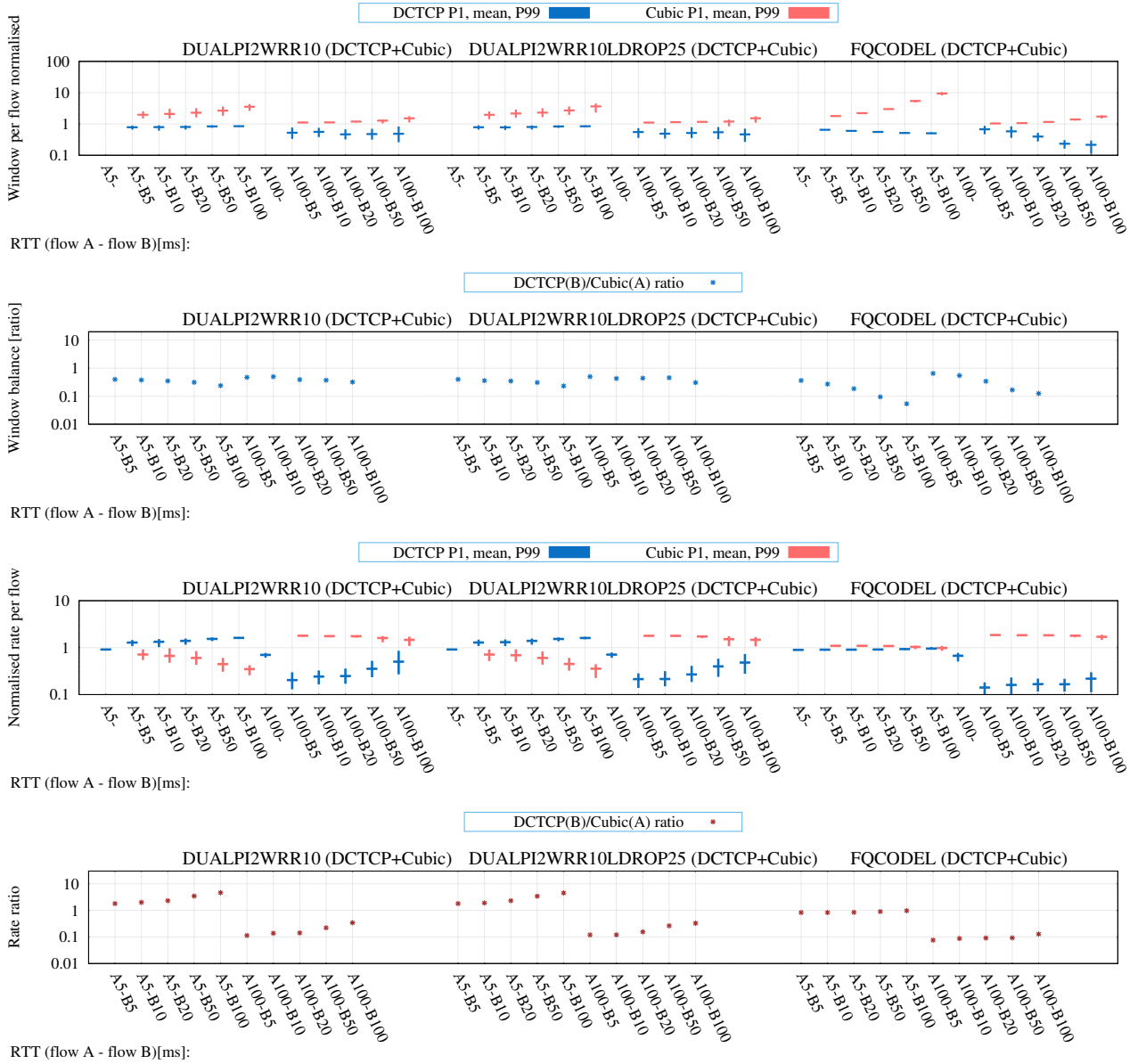
Appendix B

Mixed RTT experiments

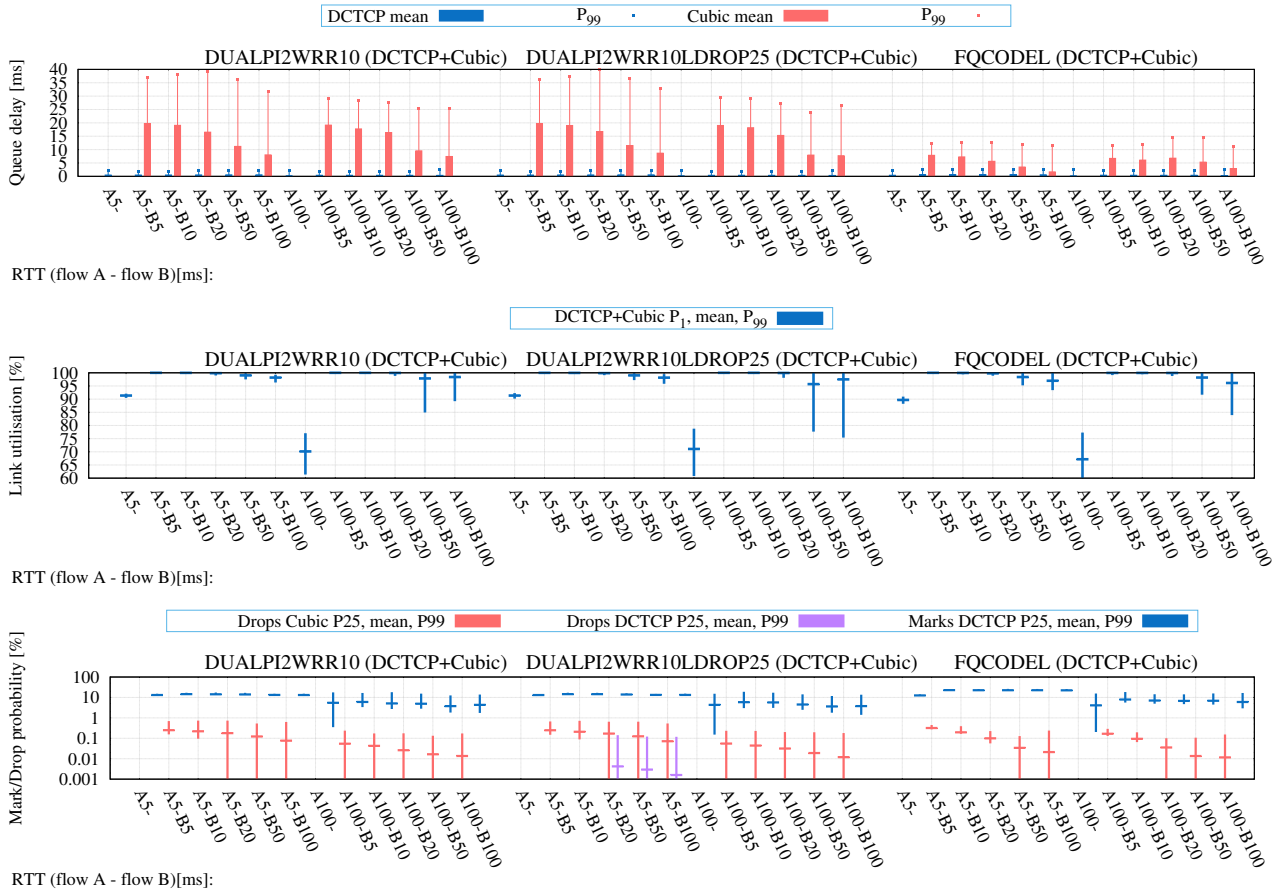Figure B.1: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

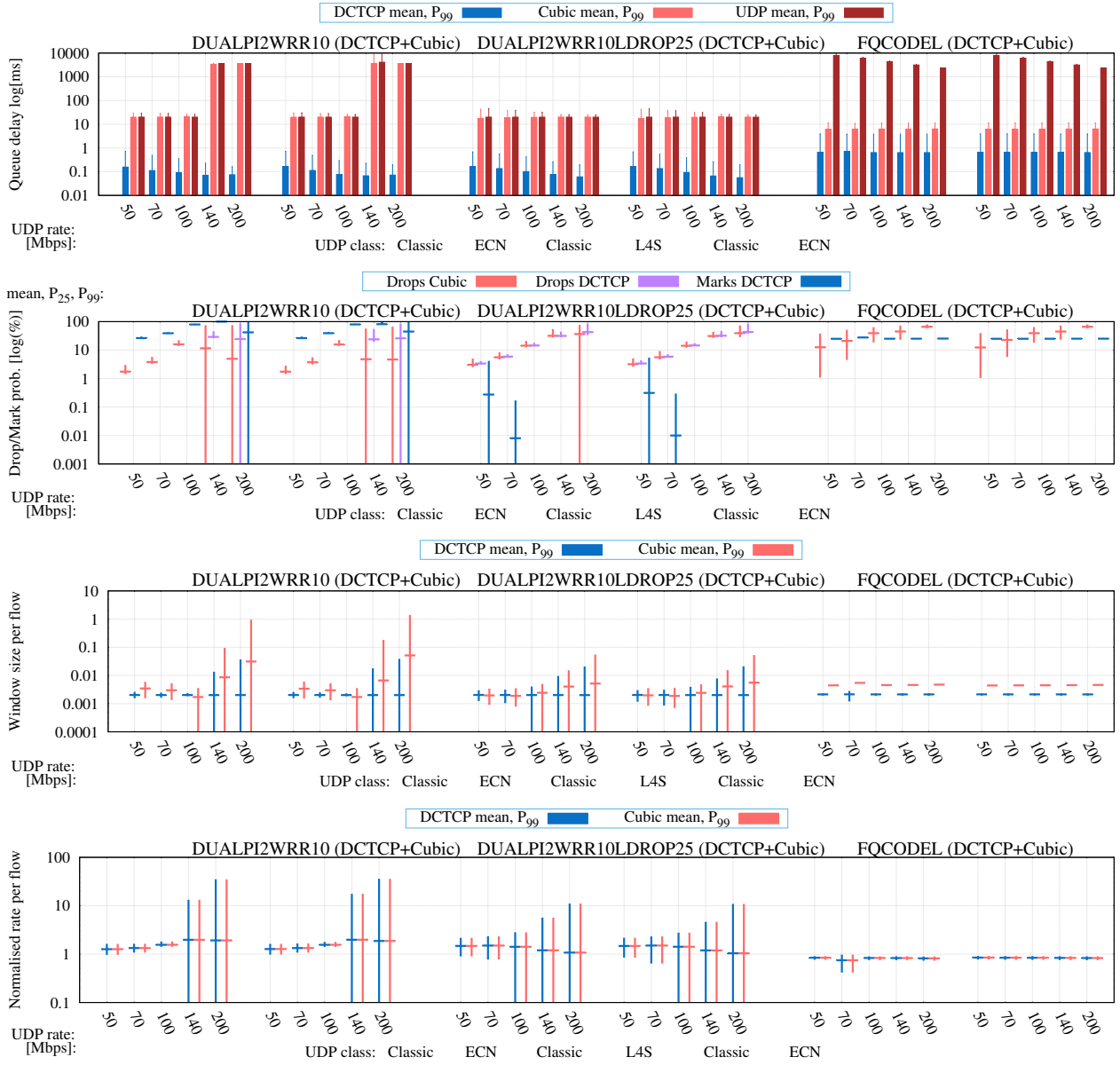Figure B.2: 1 flow for each CC. Mixed RTT (mrtt2˙link40)

Appendix C

Overload experiments

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