

Pantheon Report

Generated at 2017-12-20 10:55:48 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

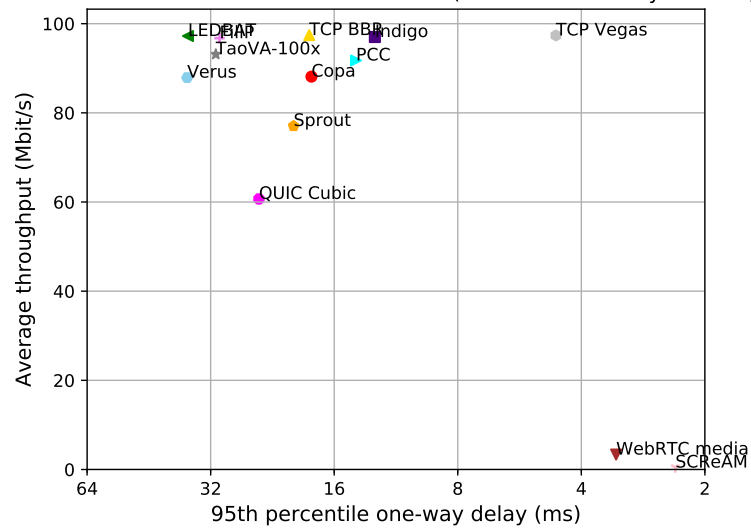
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

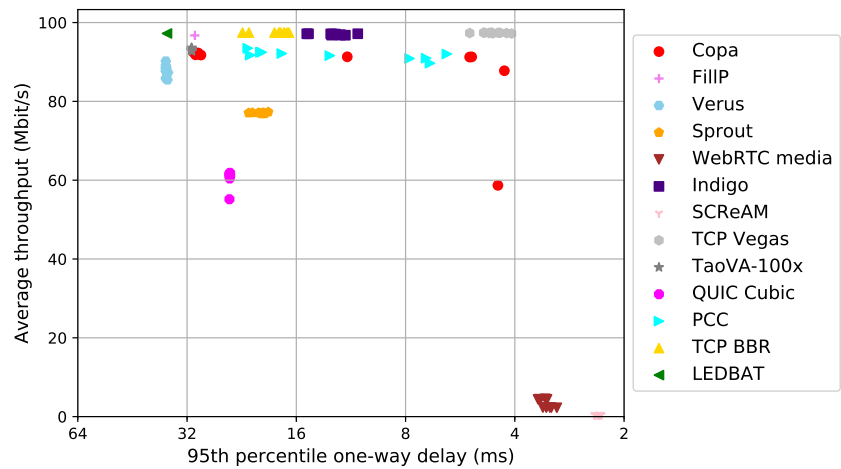
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



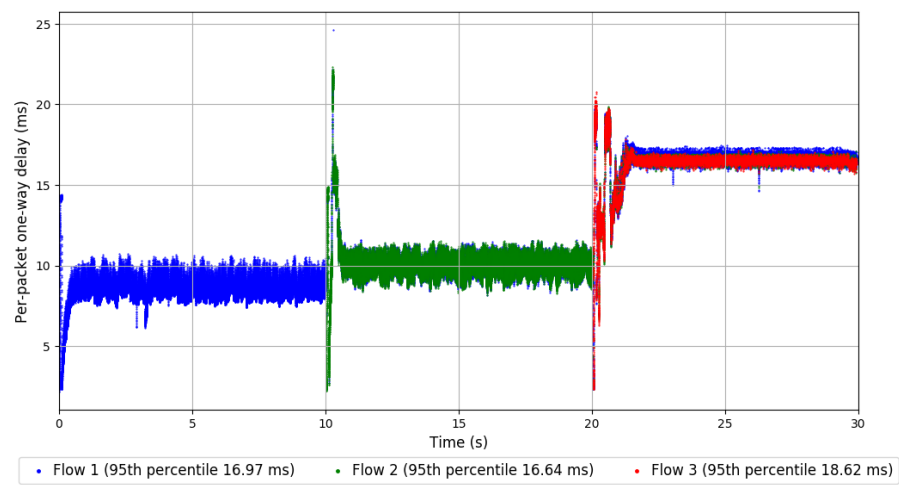
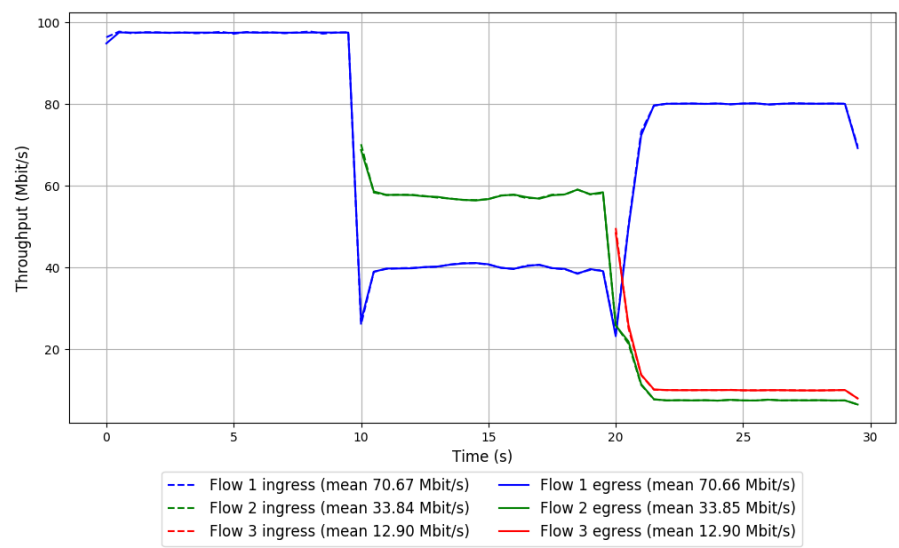
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	70.34	32.49	16.61	18.38	18.13	22.57	0.08	0.04	0.15
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	1	52.87	40.11	30.42	36.09	36.35	36.42	0.18	0.49	0.89
PCC	10	72.54	22.09	13.68	13.85	14.38	13.69	0.02	0.07	0.12
QUIC Cubic	10	1.06	68.48	45.90	2.55	24.38	24.44	0.00	0.09	0.28
SCReAM	10	0.22	0.22	0.22	2.36	2.36	2.36	0.00	0.14	0.00
WebRTC media	10	1.20	1.54	0.64	4.00	3.21	3.38	0.01	0.07	0.12
Sprout	10	42.52	38.75	26.66	18.92	20.14	21.71	0.04	0.08	0.25
TaoVA-100x	10	58.11	40.50	31.91	30.34	31.08	31.21	0.06	0.13	0.40
TCP Vegas	10	46.78	47.43	57.48	7.35	4.44	4.64	0.01	0.02	0.05
Verus	10	50.92	39.87	31.58	35.83	36.52	36.70	0.07	0.15	0.39
Copa	10	54.59	40.06	33.83	15.17	18.52	20.51	0.04	0.09	0.28
FillP	1	63.56	45.89	31.12	23.57	31.00	33.49	0.05	0.10	1.80
Indigo	10	63.51	32.30	36.94	12.06	12.76	14.57	0.02	0.04	0.12

Run 1: Statistics of TCP BBR

Start at: 2017-12-20 05:02:28
End at: 2017-12-20 05:02:58
Local clock offset: -0.068 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2017-12-20 10:39:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 16.936 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 16.966 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 16.638 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 18.625 ms
Loss rate: 0.13%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-12-20 05:19:28

End at: 2017-12-20 05:19:58

Local clock offset: -0.026 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 17.675 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 17.659 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.08 Mbit/s

95th percentile per-packet one-way delay: 17.243 ms

Loss rate: 0.03%

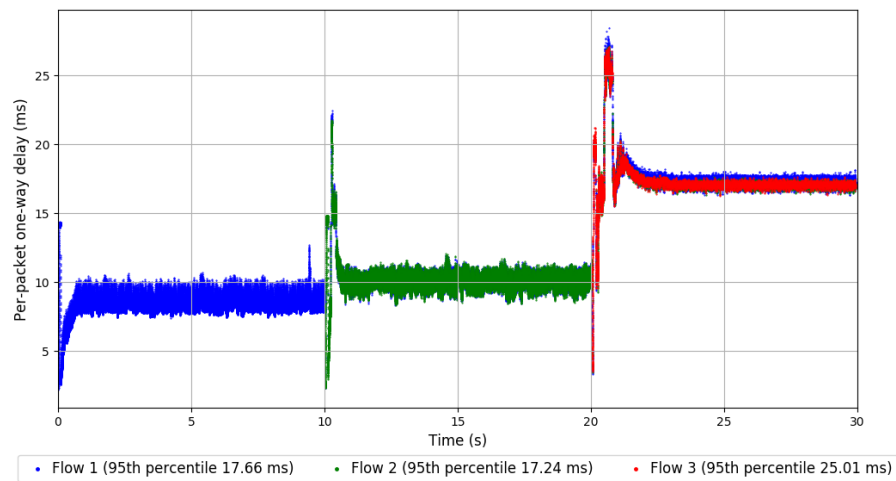
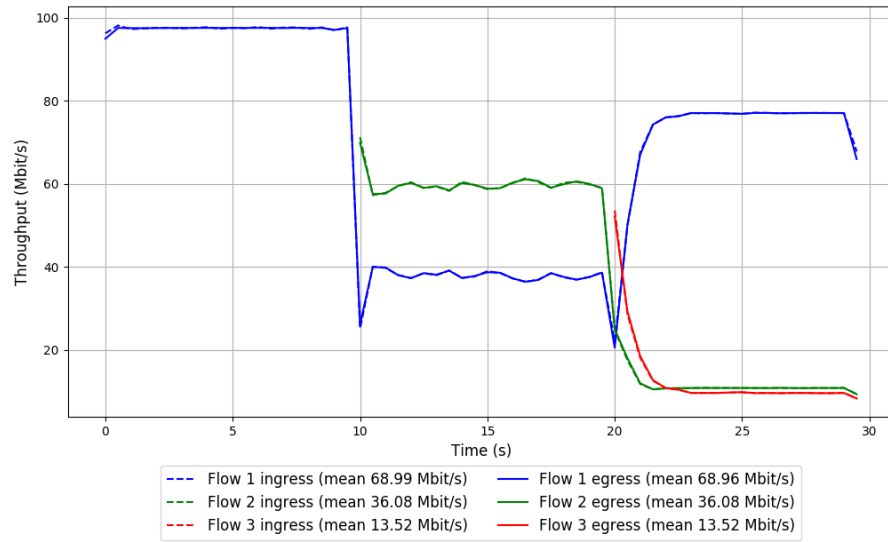
-- Flow 3:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 25.014 ms

Loss rate: 0.14%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-12-20 05:36:28

End at: 2017-12-20 05:36:58

Local clock offset: -0.07 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 16.759 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 16.828 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 16.420 ms

Loss rate: 0.02%

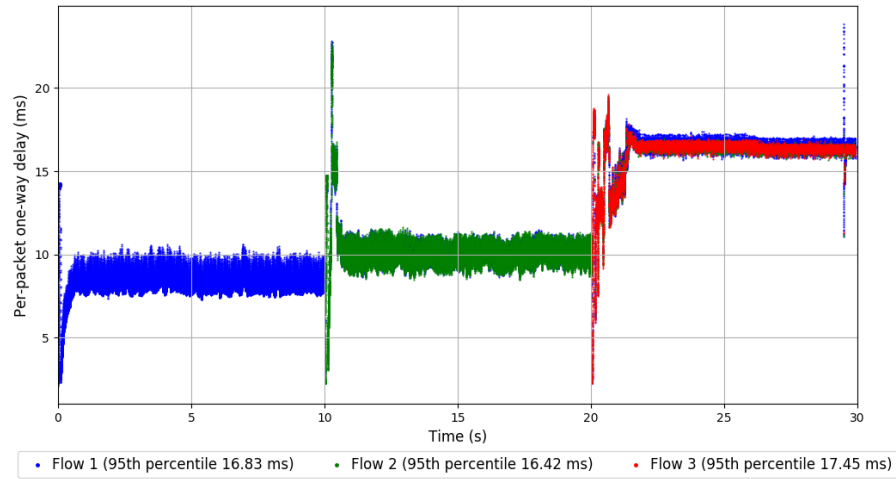
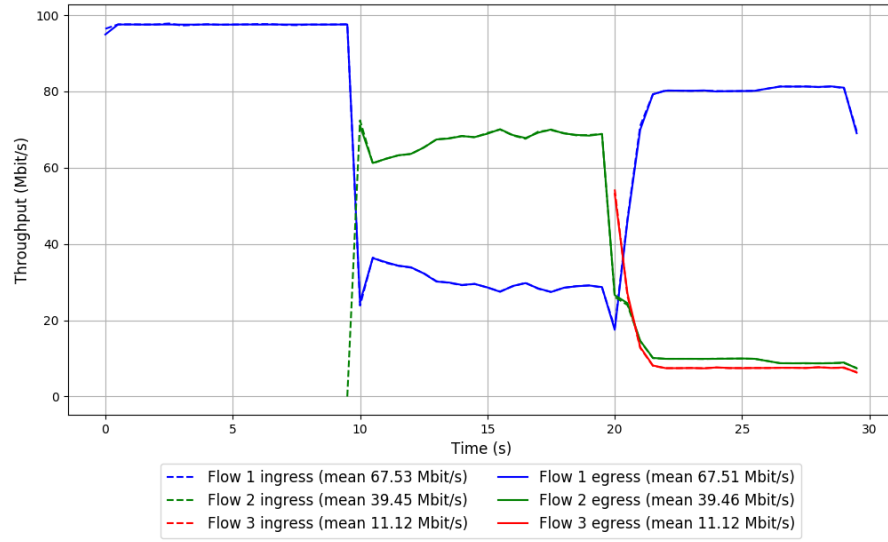
-- Flow 3:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 17.451 ms

Loss rate: 0.13%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-20 05:53:28

End at: 2017-12-20 05:53:58

Local clock offset: 0.044 ms

Remote clock offset: 0.589 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 17.865 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 71.39 Mbit/s

95th percentile per-packet one-way delay: 17.858 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 17.636 ms

Loss rate: 0.04%

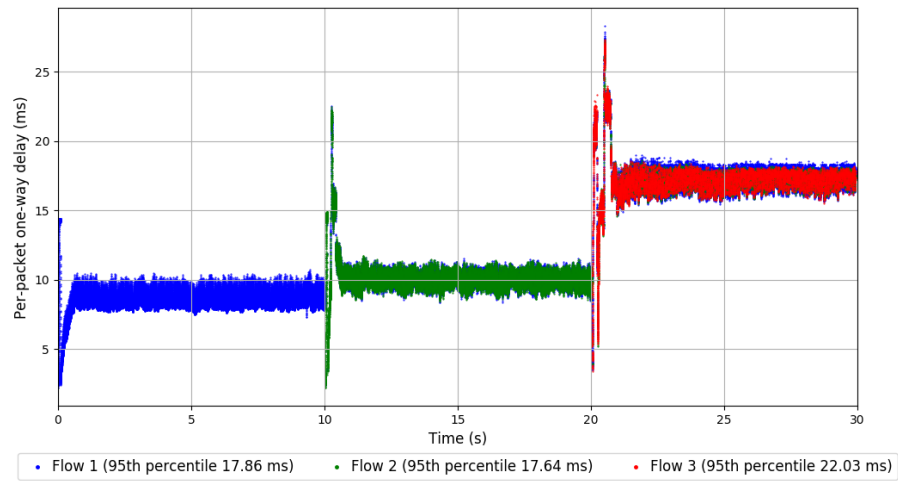
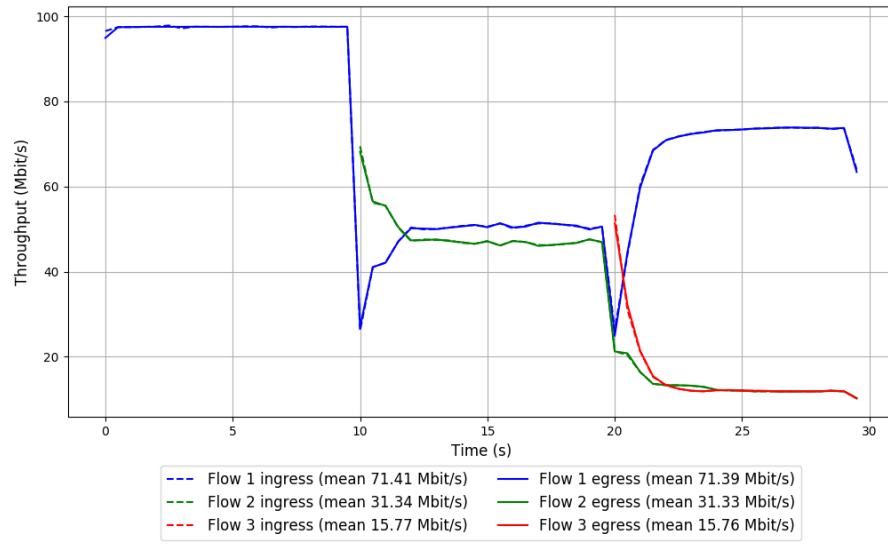
-- Flow 3:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 22.029 ms

Loss rate: 0.15%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-12-20 06:10:26

End at: 2017-12-20 06:10:56

Local clock offset: 0.053 ms

Remote clock offset: 0.769 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 22.516 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 22.339 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.11 Mbit/s

95th percentile per-packet one-way delay: 22.394 ms

Loss rate: 0.12%

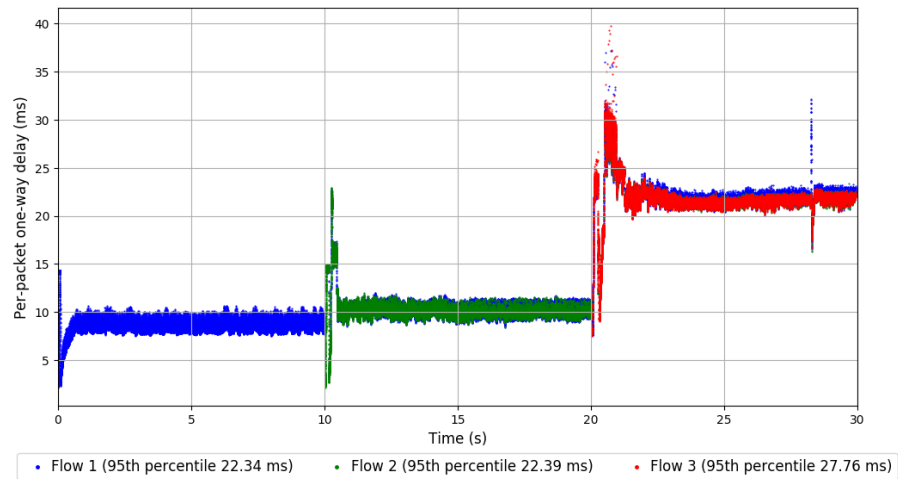
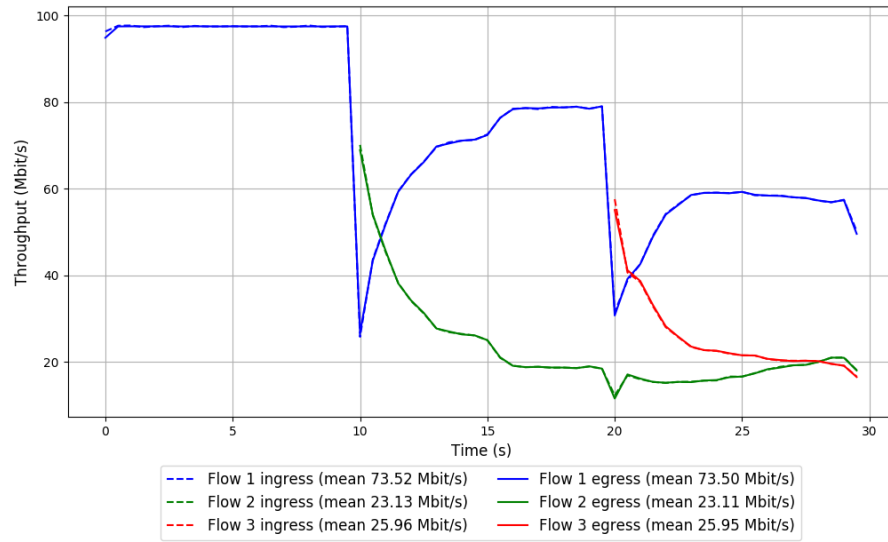
-- Flow 3:

Average throughput: 25.95 Mbit/s

95th percentile per-packet one-way delay: 27.762 ms

Loss rate: 0.18%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-12-20 06:27:25

End at: 2017-12-20 06:27:55

Local clock offset: 0.068 ms

Remote clock offset: 0.797 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 18.371 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 18.324 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 17.989 ms

Loss rate: 0.03%

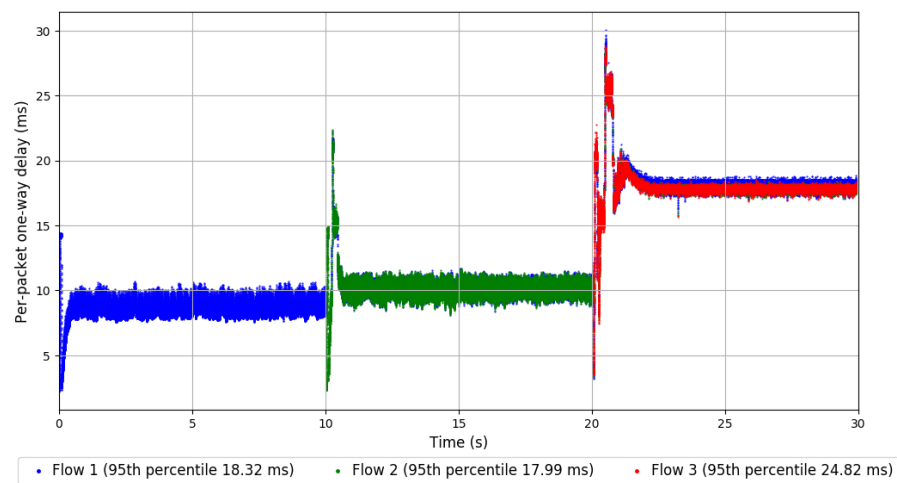
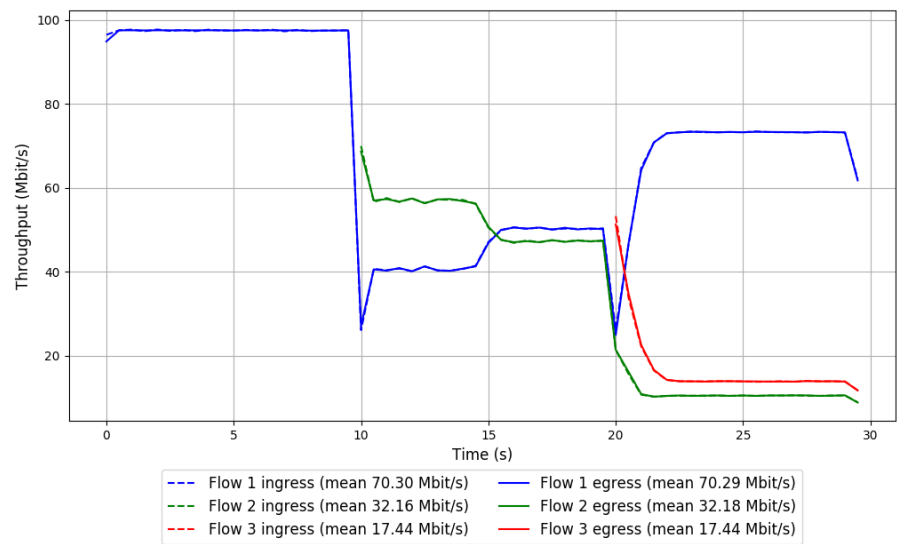
-- Flow 3:

Average throughput: 17.44 Mbit/s

95th percentile per-packet one-way delay: 24.819 ms

Loss rate: 0.17%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-12-20 06:44:23

End at: 2017-12-20 06:44:53

Local clock offset: 0.06 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 17.281 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 17.287 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 34.04 Mbit/s

95th percentile per-packet one-way delay: 17.007 ms

Loss rate: 0.02%

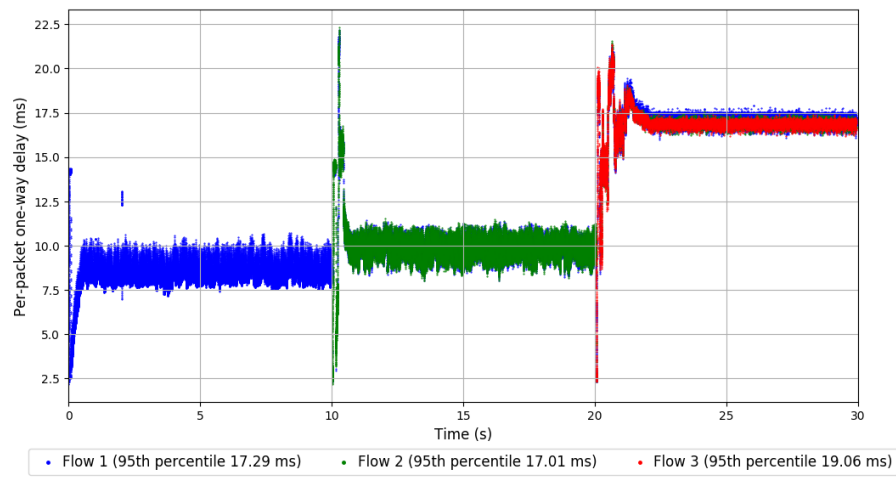
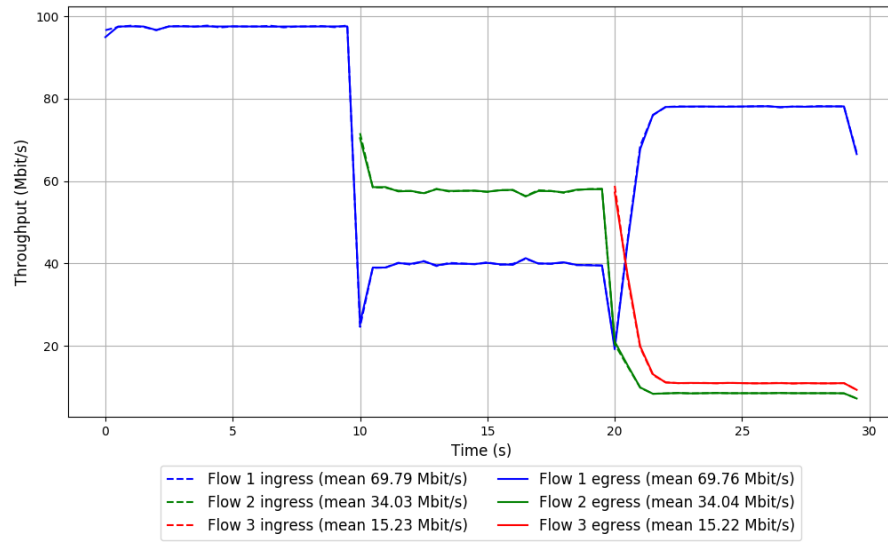
-- Flow 3:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 19.056 ms

Loss rate: 0.13%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-12-20 07:01:23

End at: 2017-12-20 07:01:53

Local clock offset: 0.045 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2017-12-20 10:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 17.798 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 17.779 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 17.510 ms

Loss rate: 0.04%

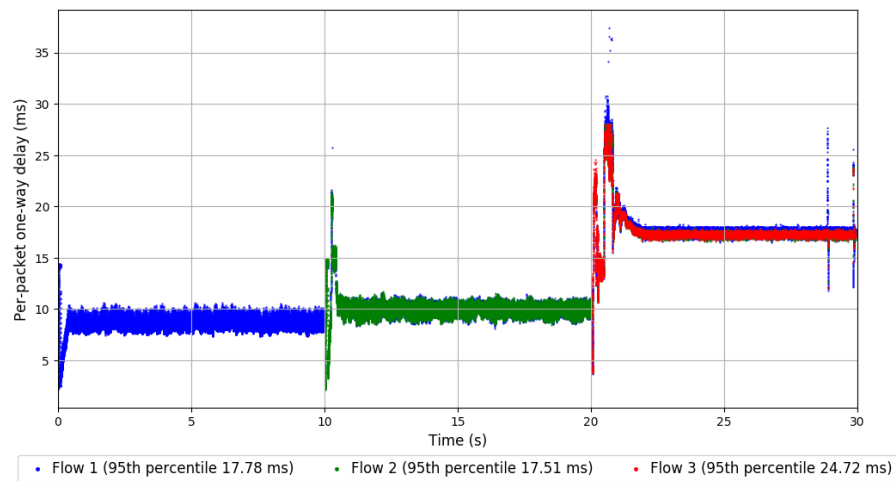
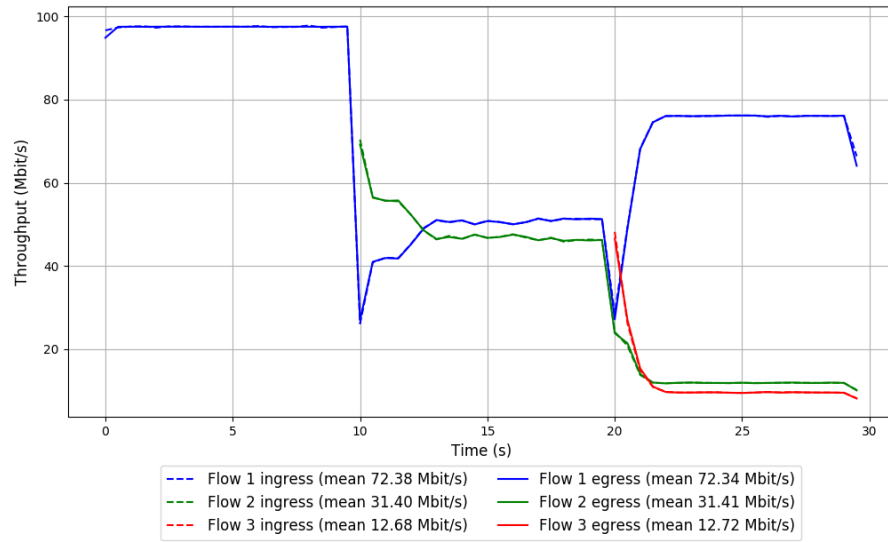
-- Flow 3:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 24.724 ms

Loss rate: 0.16%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-12-20 07:18:23

End at: 2017-12-20 07:18:53

Local clock offset: 0.02 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 17.248 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 69.37 Mbit/s

95th percentile per-packet one-way delay: 17.263 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 16.913 ms

Loss rate: 0.03%

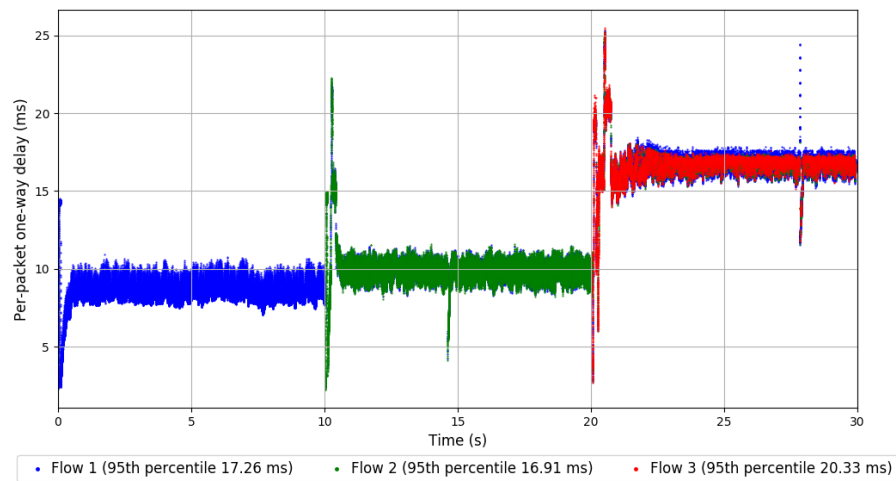
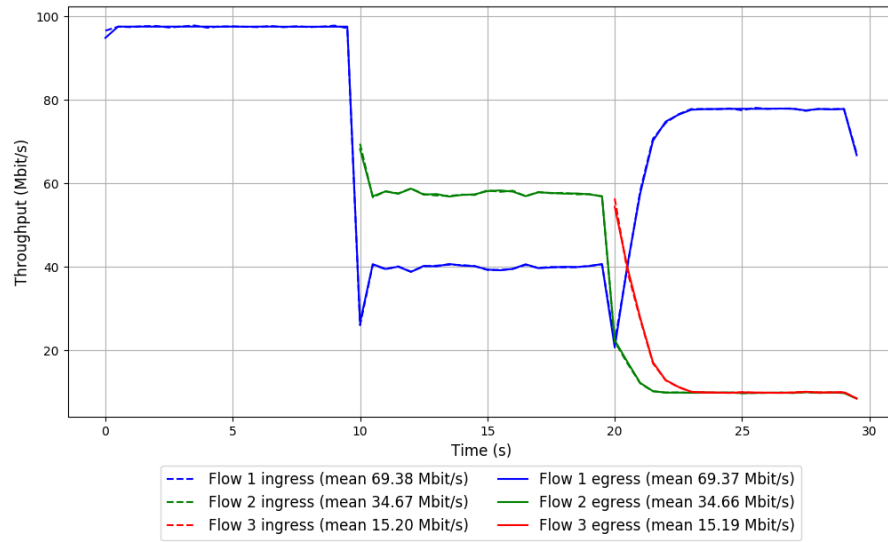
-- Flow 3:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 20.328 ms

Loss rate: 0.12%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-12-20 07:35:24

End at: 2017-12-20 07:35:54

Local clock offset: 0.019 ms

Remote clock offset: 0.489 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 21.621 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 21.463 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 28.76 Mbit/s

95th percentile per-packet one-way delay: 21.593 ms

Loss rate: 0.07%

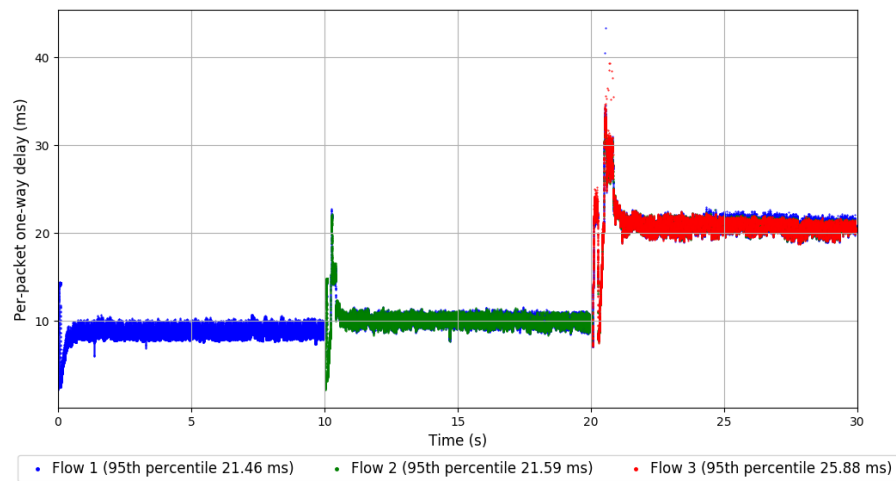
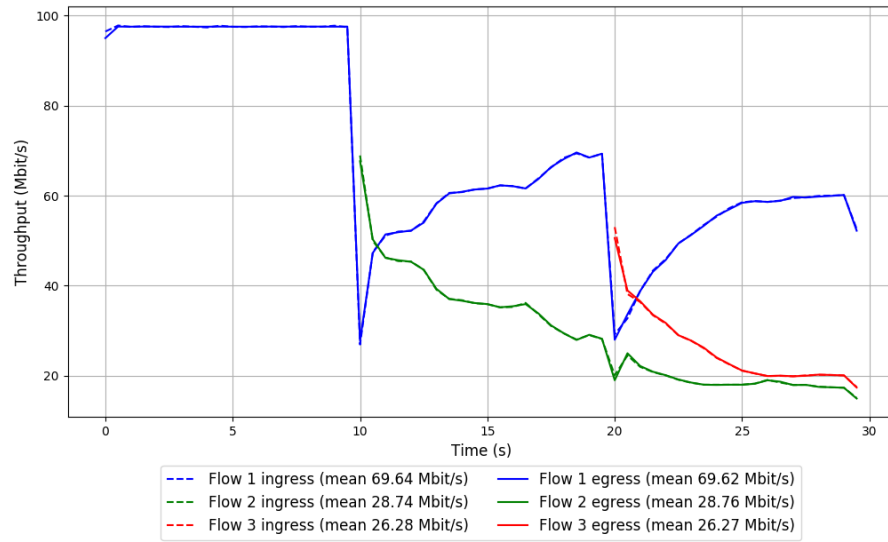
-- Flow 3:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 25.878 ms

Loss rate: 0.18%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-12-20 05:08:08

End at: 2017-12-20 05:08:38

Local clock offset: -0.043 ms

Remote clock offset: -0.056 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2017-12-20 05:25:08

End at: 2017-12-20 05:25:38

Local clock offset: -0.012 ms

Remote clock offset: 0.148 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2017-12-20 05:42:08

End at: 2017-12-20 05:42:38

Local clock offset: 0.027 ms

Remote clock offset: 0.451 ms

Run 3: Report of TCP Cubic — Data Link

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Run 4: Statistics of TCP Cubic

Start at: 2017-12-20 05:59:08

End at: 2017-12-20 05:59:38

Local clock offset: 0.049 ms

Remote clock offset: 0.619 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2017-12-20 06:16:06

End at: 2017-12-20 06:16:36

Local clock offset: 0.072 ms

Remote clock offset: 0.711 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2017-12-20 06:33:04

End at: 2017-12-20 06:33:34

Local clock offset: 0.062 ms

Remote clock offset: 0.823 ms

Run 6: Report of TCP Cubic — Data Link

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Run 7: Statistics of TCP Cubic

Start at: 2017-12-20 06:50:02

End at: 2017-12-20 06:50:32

Local clock offset: 0.061 ms

Remote clock offset: 0.781 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

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Run 8: Statistics of TCP Cubic

Start at: 2017-12-20 07:07:03

End at: 2017-12-20 07:07:33

Local clock offset: -0.022 ms

Remote clock offset: 0.675 ms

Run 8: Report of TCP Cubic — Data Link

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Run 9: Statistics of TCP Cubic

Start at: 2017-12-20 07:24:02

End at: 2017-12-20 07:24:32

Local clock offset: 0.035 ms

Remote clock offset: 0.471 ms

Run 9: Report of TCP Cubic — Data Link

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Run 10: Statistics of TCP Cubic

Start at: 2017-12-20 07:41:04

End at: 2017-12-20 07:41:34

Local clock offset: -0.052 ms

Remote clock offset: 0.455 ms

Run 10: Report of TCP Cubic — Data Link

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Run 1: Statistics of LEDBAT

Start at: 2017-12-20 04:54:37

End at: 2017-12-20 04:55:07

Local clock offset: -0.095 ms

Remote clock offset: -0.267 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2017-12-20 05:11:34

End at: 2017-12-20 05:12:04

Local clock offset: -0.039 ms

Remote clock offset: 0.004 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2017-12-20 05:28:34

End at: 2017-12-20 05:29:04

Local clock offset: 0.006 ms

Remote clock offset: 0.2 ms

Run 3: Report of LEDBAT — Data Link

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Run 4: Statistics of LEDBAT

Start at: 2017-12-20 05:45:34

End at: 2017-12-20 05:46:04

Local clock offset: 0.024 ms

Remote clock offset: 0.509 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2017-12-20 06:02:34

End at: 2017-12-20 06:03:04

Local clock offset: 0.041 ms

Remote clock offset: 0.752 ms

Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2017-12-20 06:19:33

End at: 2017-12-20 06:20:03

Local clock offset: -0.018 ms

Remote clock offset: 0.708 ms

Run 6: Report of LEDBAT — Data Link

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Run 7: Statistics of LEDBAT

Start at: 2017-12-20 06:36:31

End at: 2017-12-20 06:37:01

Local clock offset: 0.069 ms

Remote clock offset: 0.829 ms

Run 7: Report of LEDBAT — Data Link

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Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2017-12-20 06:53:29

End at: 2017-12-20 06:53:59

Local clock offset: 0.064 ms

Remote clock offset: 0.7 ms

Run 8: Report of LEDBAT — Data Link

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Run 9: Statistics of LEDBAT

Start at: 2017-12-20 07:10:30

End at: 2017-12-20 07:11:00

Local clock offset: 0.045 ms

Remote clock offset: 0.644 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2017-12-20 07:27:29

End at: 2017-12-20 07:27:59

Local clock offset: -0.033 ms

Remote clock offset: 0.487 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 36.347 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 52.87 Mbit/s

95th percentile per-packet one-way delay: 36.095 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.11 Mbit/s

95th percentile per-packet one-way delay: 36.350 ms

Loss rate: 0.49%

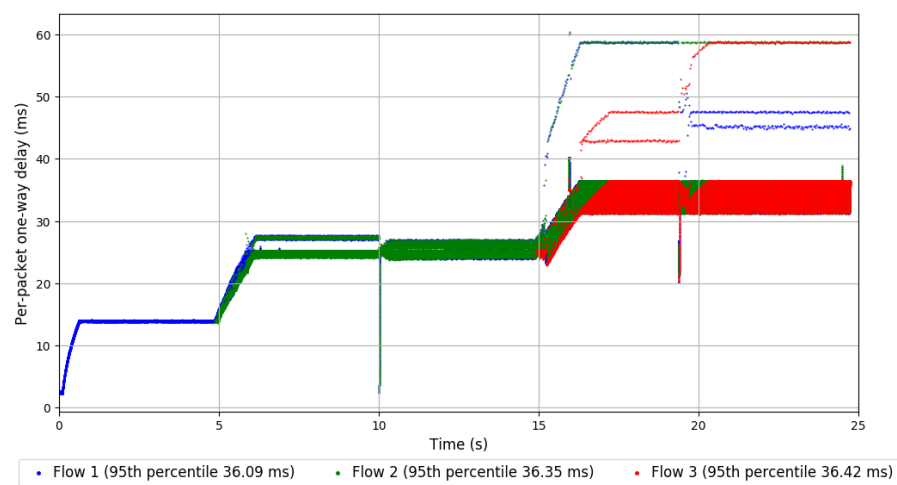
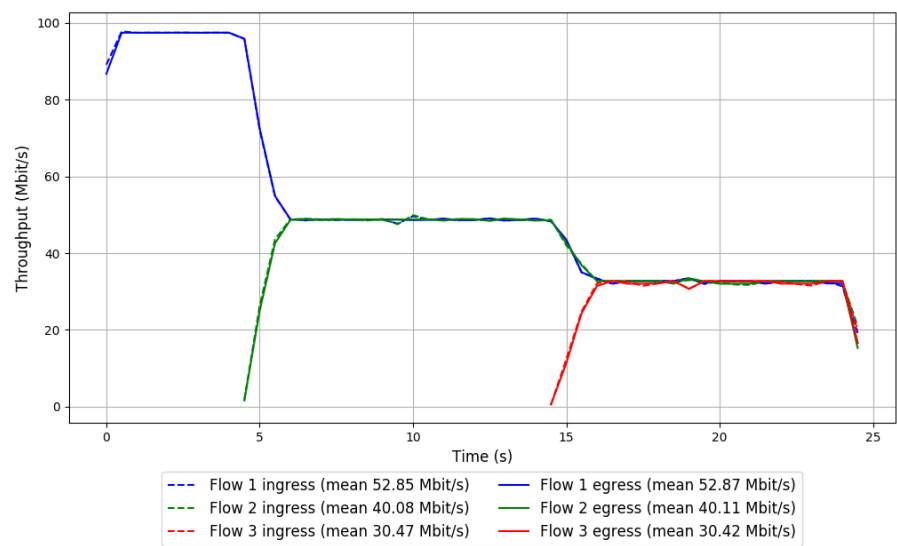
-- Flow 3:

Average throughput: 30.42 Mbit/s

95th percentile per-packet one-way delay: 36.418 ms

Loss rate: 0.89%

Run 10: Report of LEDBAT — Data Link

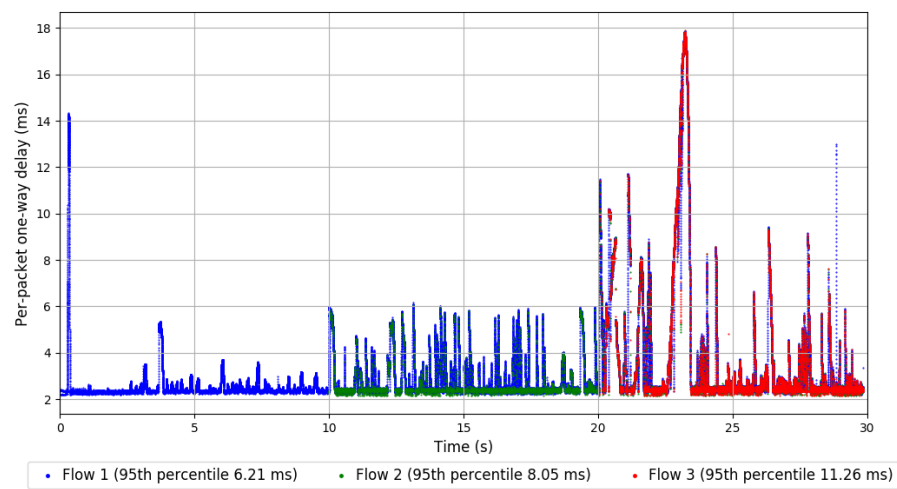
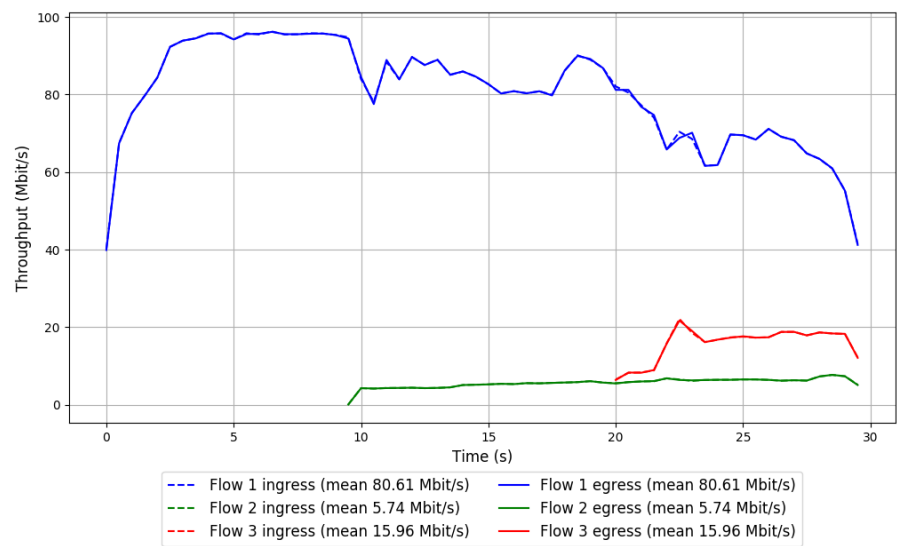


Run 1: Statistics of PCC

Start at: 2017-12-20 05:00:17
End at: 2017-12-20 05:00:47
Local clock offset: -0.081 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2017-12-20 10:40:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 6.853 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 6.206 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 8.047 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 11.264 ms
Loss rate: 0.05%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-12-20 05:17:17

End at: 2017-12-20 05:17:47

Local clock offset: -0.033 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 17.546 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 17.414 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.76 Mbit/s

95th percentile per-packet one-way delay: 18.134 ms

Loss rate: 0.03%

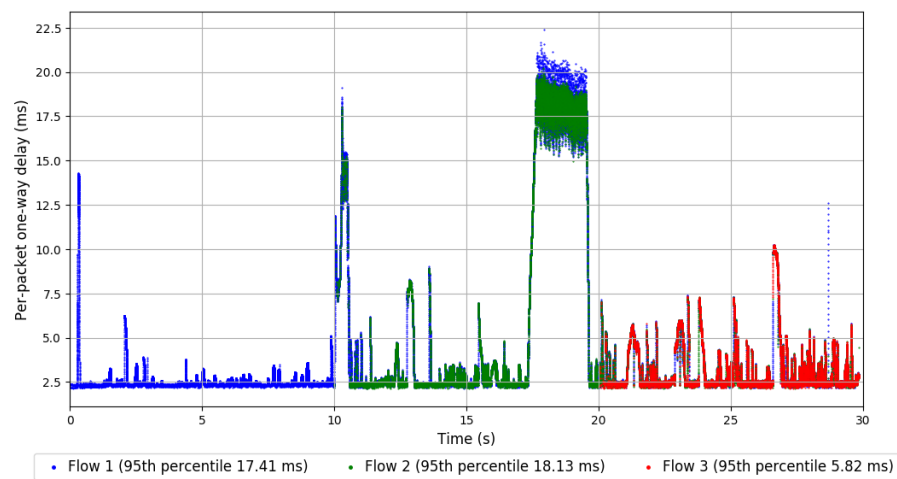
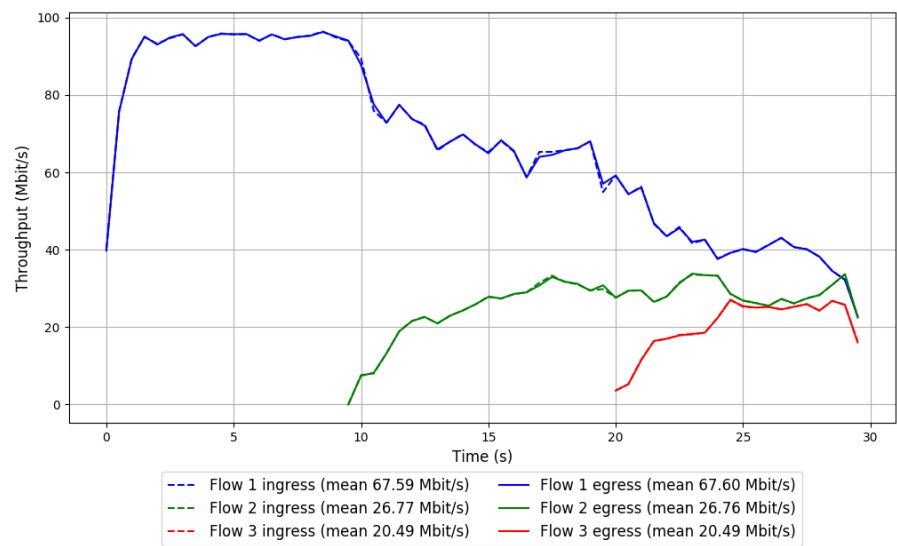
-- Flow 3:

Average throughput: 20.49 Mbit/s

95th percentile per-packet one-way delay: 5.818 ms

Loss rate: 0.07%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-20 05:34:17

End at: 2017-12-20 05:34:47

Local clock offset: -0.056 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 6.157 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 5.491 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 7.479 ms

Loss rate: 0.05%

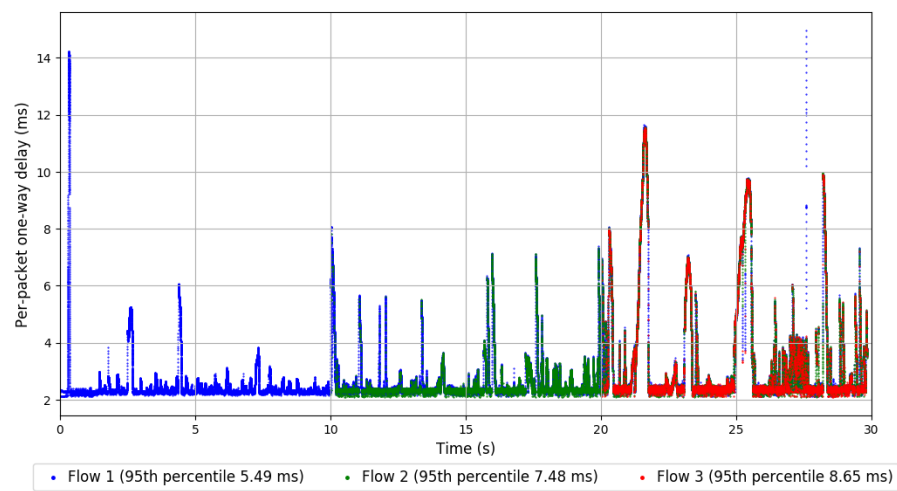
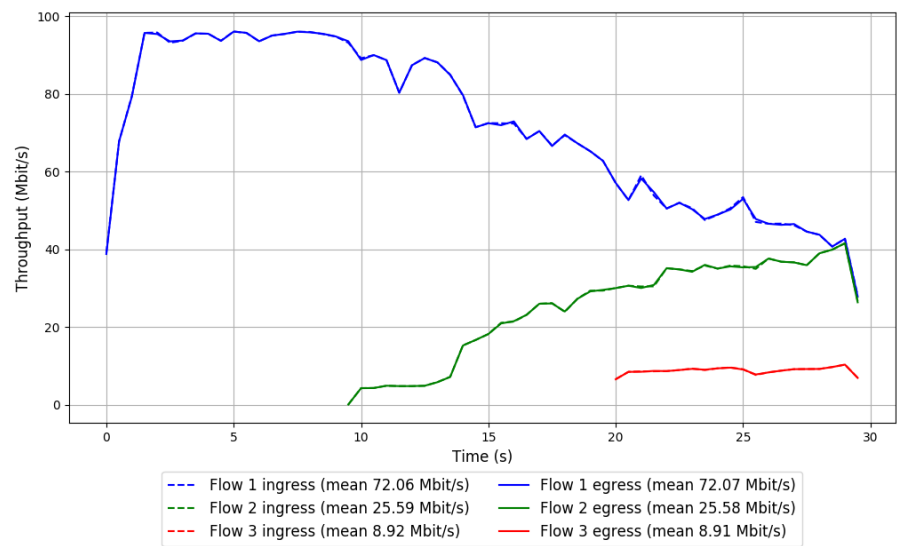
-- Flow 3:

Average throughput: 8.91 Mbit/s

95th percentile per-packet one-way delay: 8.647 ms

Loss rate: 0.06%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-12-20 05:51:17

End at: 2017-12-20 05:51:47

Local clock offset: 0.032 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 19.935 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 19.617 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 20.542 ms

Loss rate: 0.03%

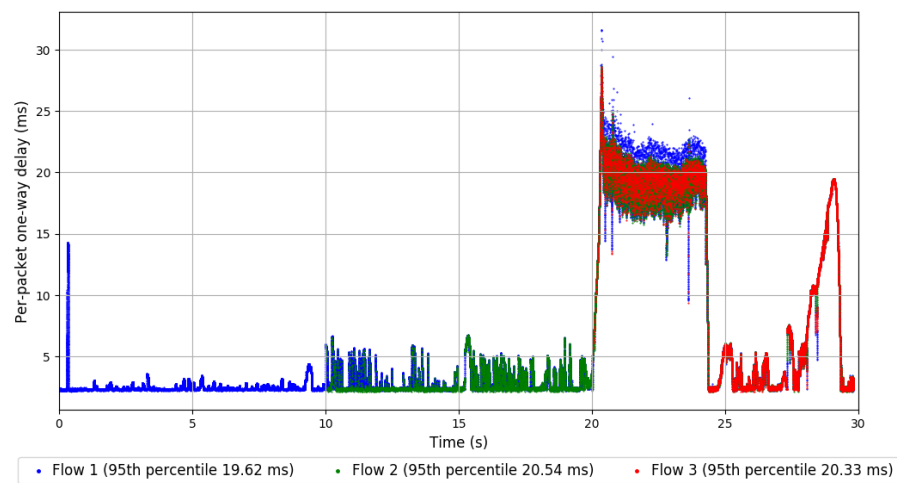
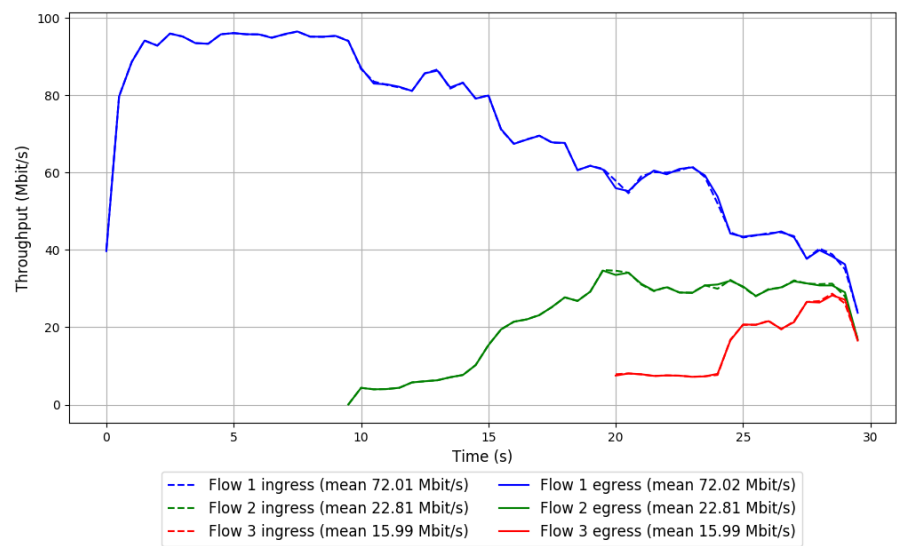
-- Flow 3:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 20.329 ms

Loss rate: 0.08%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-12-20 06:08:15

End at: 2017-12-20 06:08:45

Local clock offset: 0.043 ms

Remote clock offset: 0.763 ms

Below is generated by plot.py at 2017-12-20 10:40:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 21.444 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 21.250 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 21.679 ms

Loss rate: 0.10%

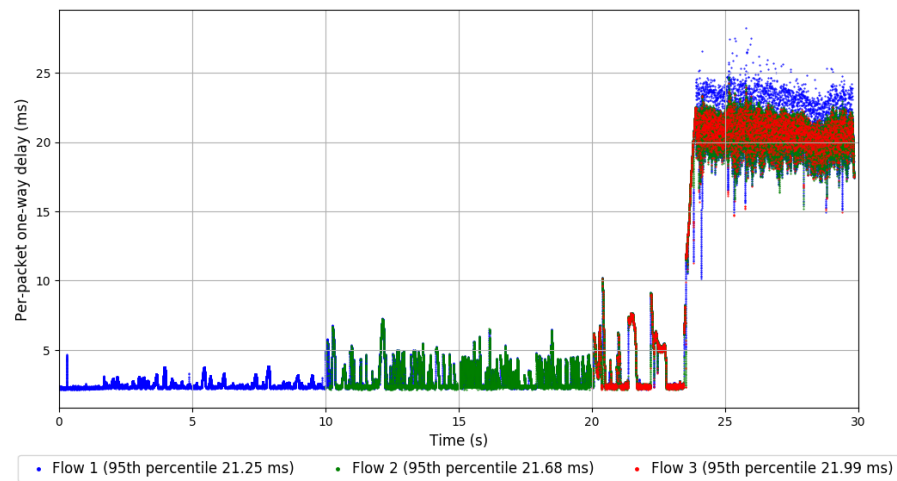
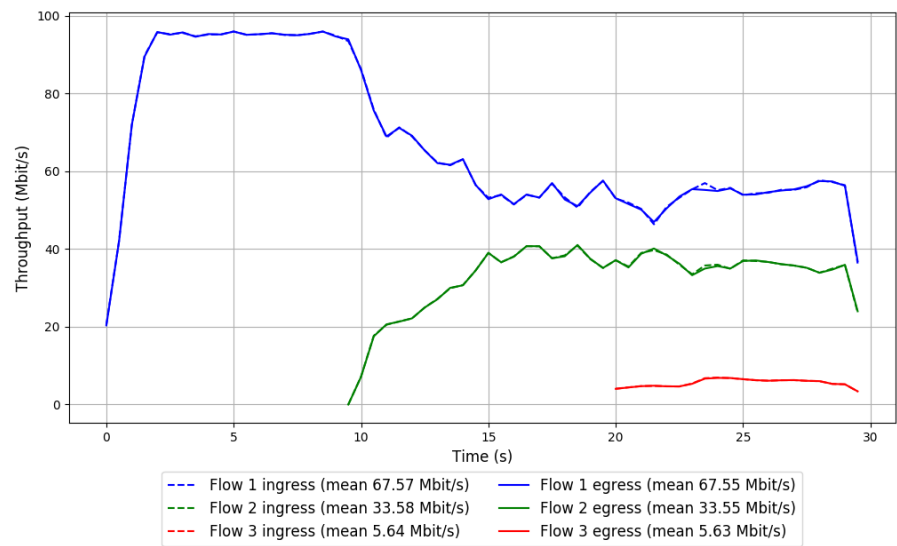
-- Flow 3:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 21.993 ms

Loss rate: 0.17%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-12-20 06:25:14

End at: 2017-12-20 06:25:44

Local clock offset: 0.057 ms

Remote clock offset: 0.719 ms

Below is generated by plot.py at 2017-12-20 10:41:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 7.022 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 81.63 Mbit/s

95th percentile per-packet one-way delay: 6.787 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 8.312 ms

Loss rate: 0.05%

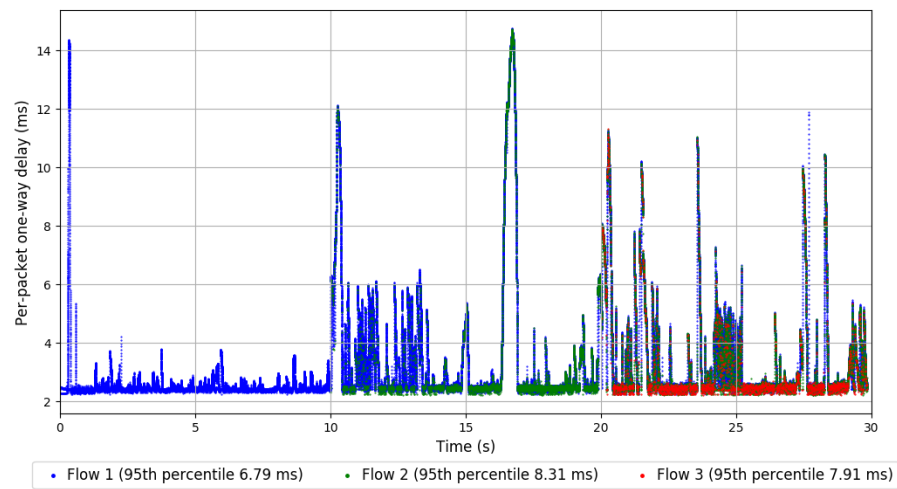
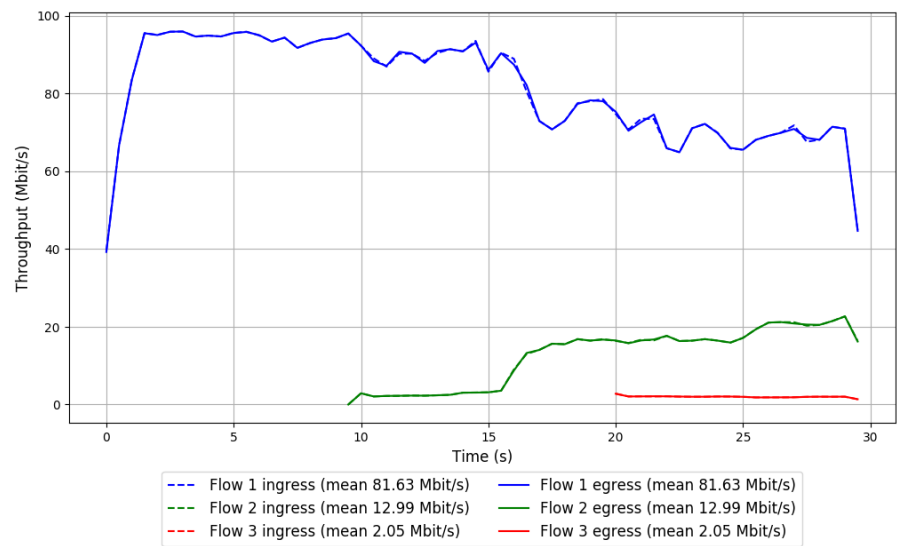
-- Flow 3:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 7.905 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link

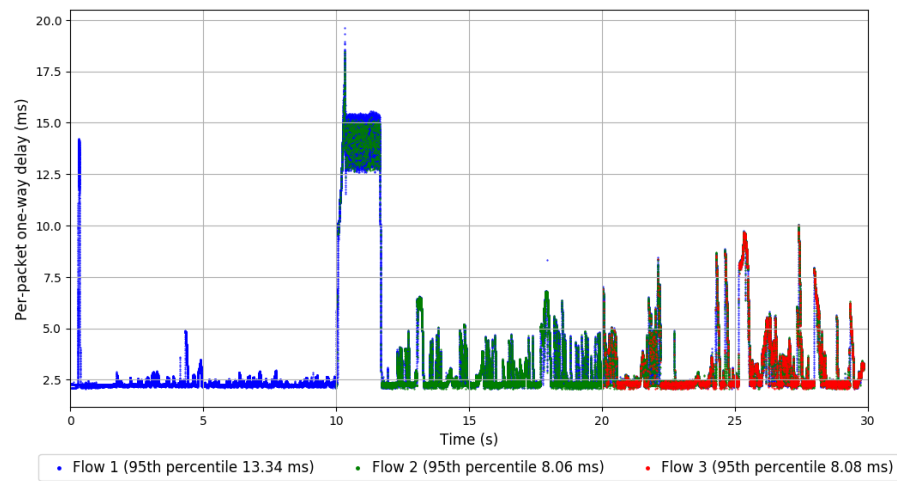
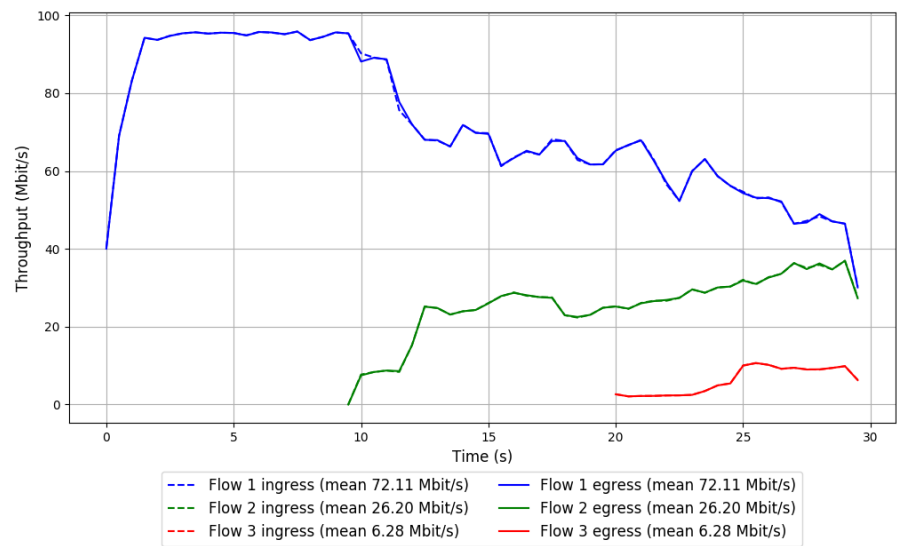


Run 7: Statistics of PCC

Start at: 2017-12-20 06:42:11
End at: 2017-12-20 06:42:41
Local clock offset: -0.007 ms
Remote clock offset: 0.858 ms

Below is generated by plot.py at 2017-12-20 10:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 12.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 13.343 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 8.065 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 8.083 ms
Loss rate: 0.08%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-12-20 06:59:11

End at: 2017-12-20 06:59:41

Local clock offset: -0.015 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2017-12-20 10:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 7.801 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 63.49 Mbit/s

95th percentile per-packet one-way delay: 7.102 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 9.040 ms

Loss rate: 0.17%

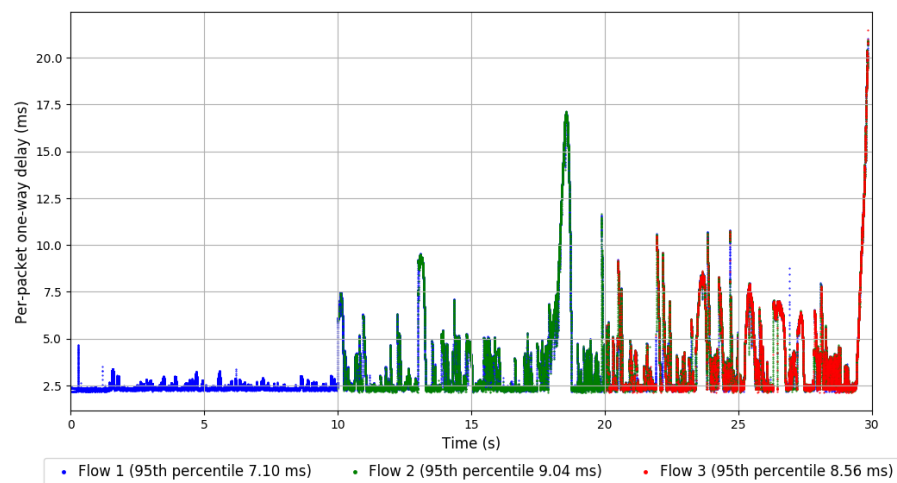
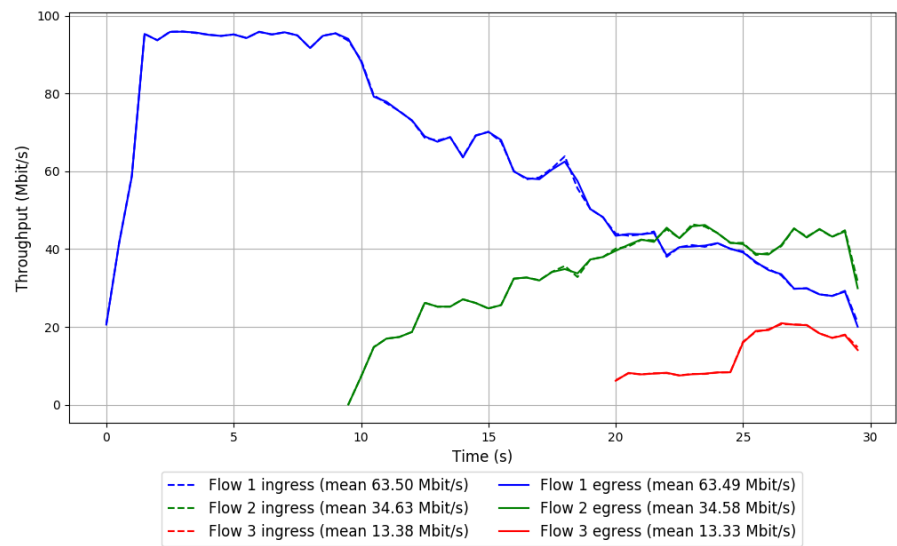
-- Flow 3:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 8.560 ms

Loss rate: 0.38%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-12-20 07:16:12

End at: 2017-12-20 07:16:42

Local clock offset: 0.036 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2017-12-20 10:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 20.106 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 70.93 Mbit/s

95th percentile per-packet one-way delay: 19.866 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 20.486 ms

Loss rate: 0.03%

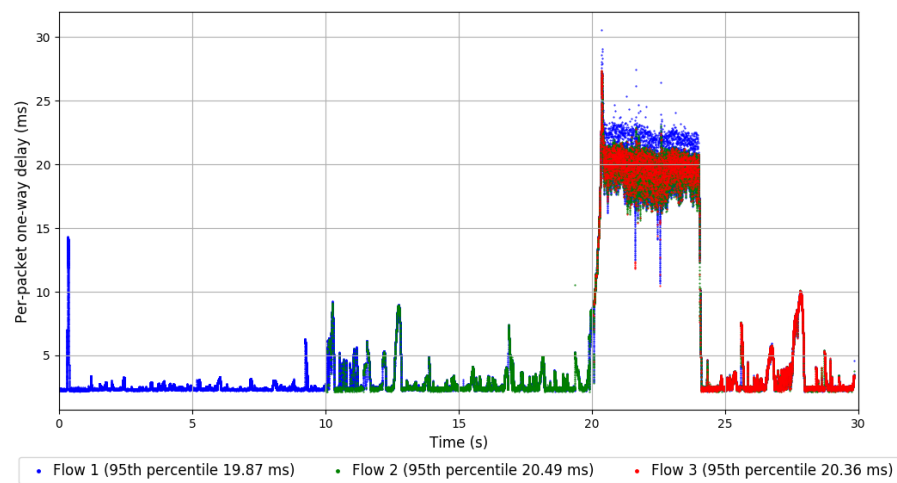
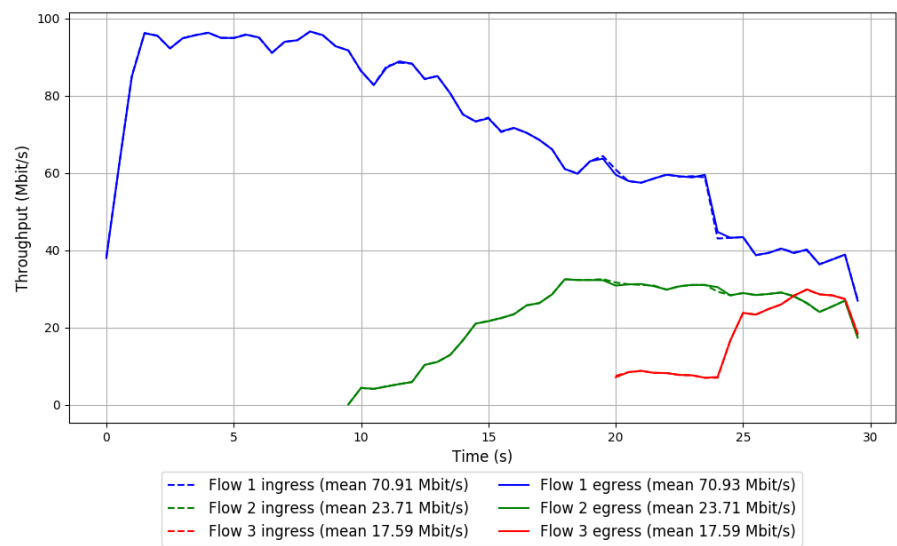
-- Flow 3:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 20.363 ms

Loss rate: 0.09%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-12-20 07:33:13

End at: 2017-12-20 07:33:43

Local clock offset: 0.033 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2017-12-20 10:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 21.774 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 21.381 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 22.008 ms

Loss rate: 0.14%

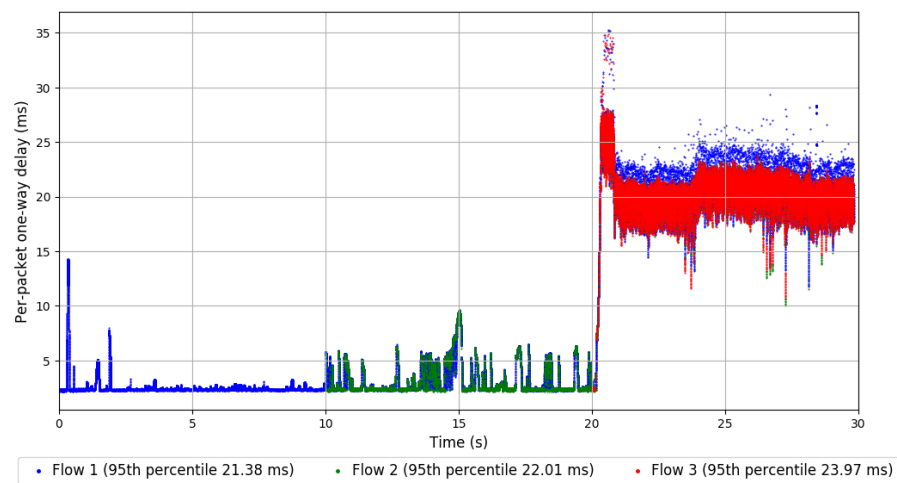
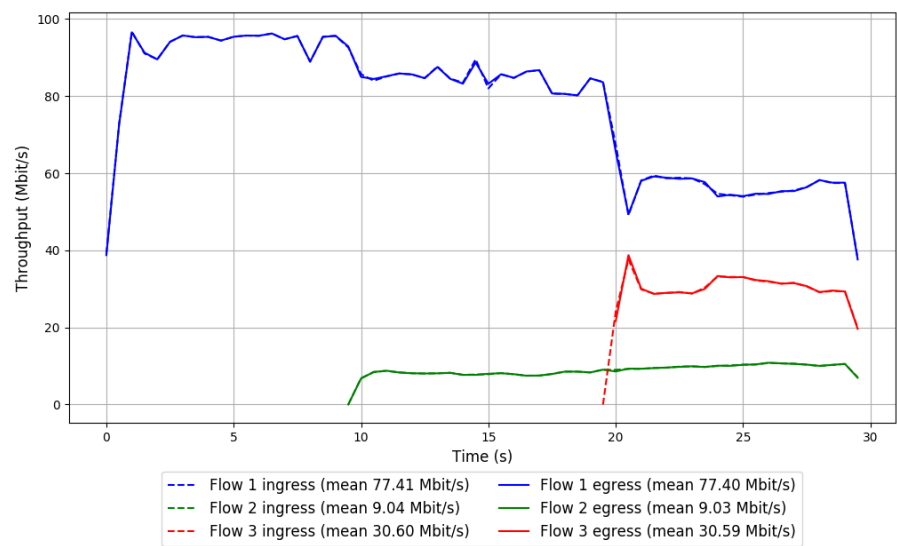
-- Flow 3:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 23.971 ms

Loss rate: 0.23%

Run 10: Report of PCC — Data Link

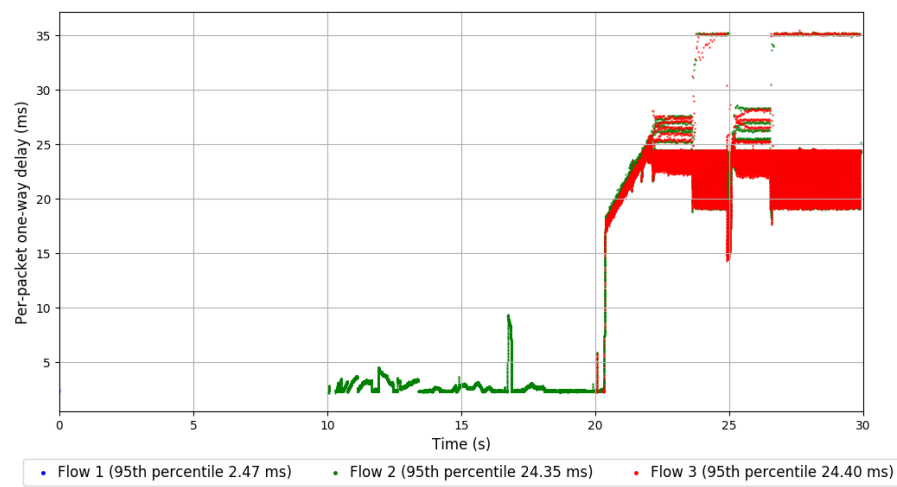
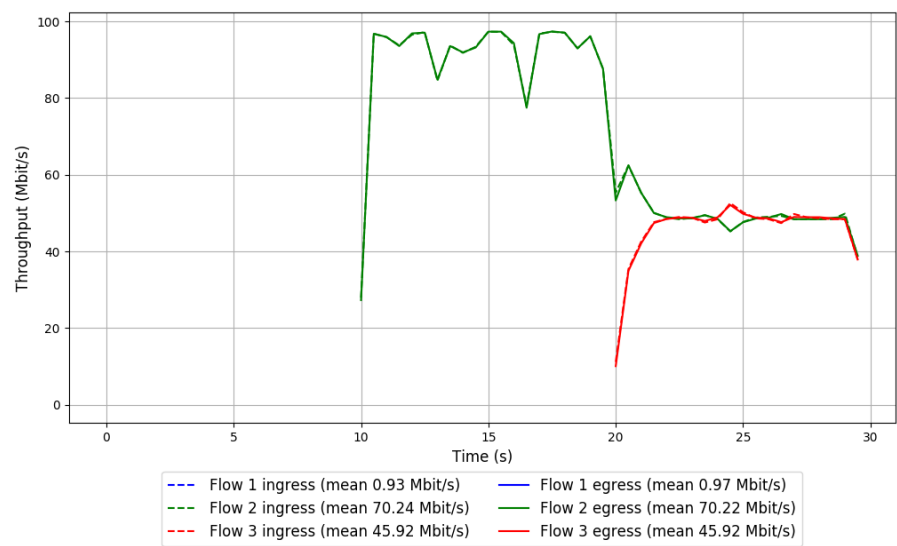


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-20 04:58:01
End at: 2017-12-20 04:58:31
Local clock offset: -0.149 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2017-12-20 10:42:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 24.371 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 24.349 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.92 Mbit/s
95th percentile per-packet one-way delay: 24.397 ms
Loss rate: 0.24%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-20 05:14:58

End at: 2017-12-20 05:15:28

Local clock offset: -0.029 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2017-12-20 10:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.53 Mbit/s

95th percentile per-packet one-way delay: 24.434 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 2.555 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.75 Mbit/s

95th percentile per-packet one-way delay: 24.404 ms

Loss rate: 0.08%

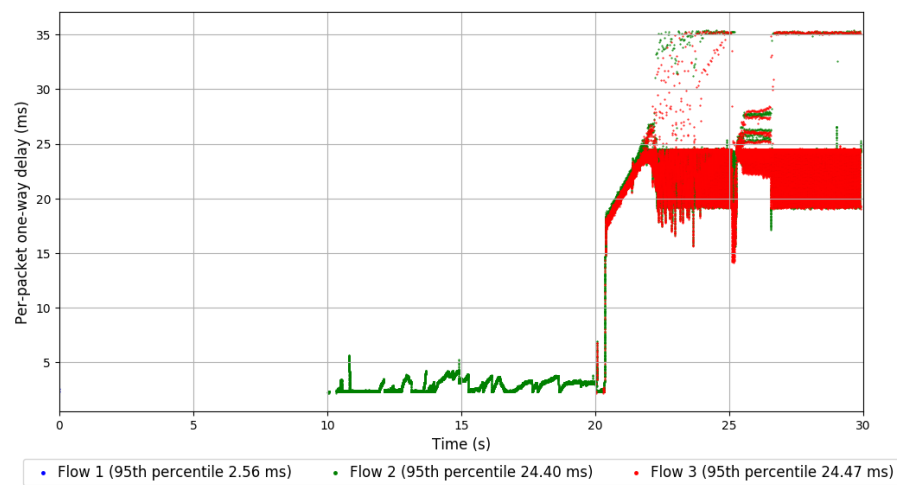
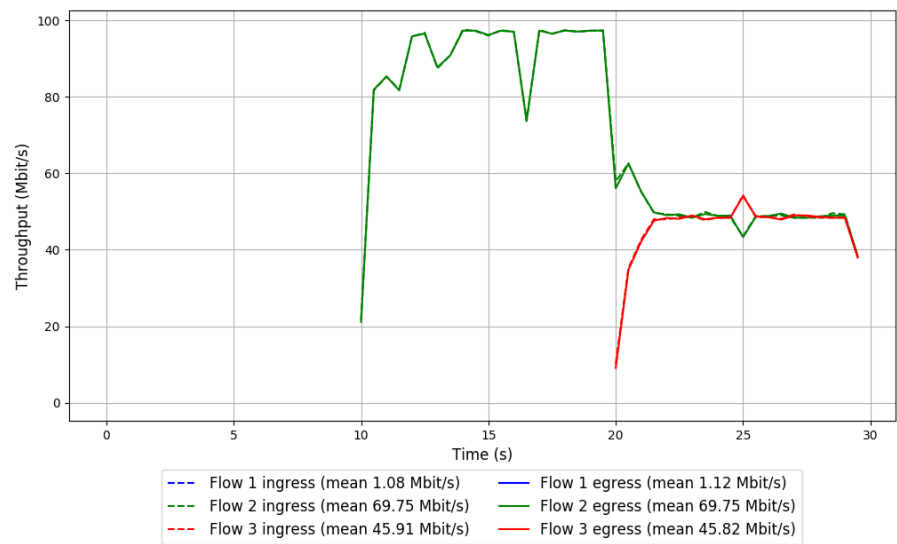
-- Flow 3:

Average throughput: 45.82 Mbit/s

95th percentile per-packet one-way delay: 24.471 ms

Loss rate: 0.26%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-20 05:31:58

End at: 2017-12-20 05:32:28

Local clock offset: -0.004 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2017-12-20 10:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 24.428 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 2.439 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.24 Mbit/s

95th percentile per-packet one-way delay: 24.394 ms

Loss rate: 0.08%

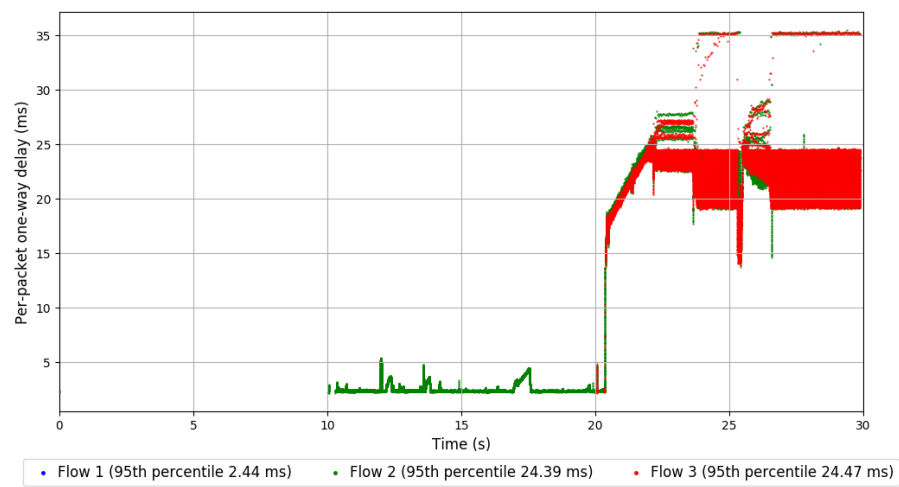
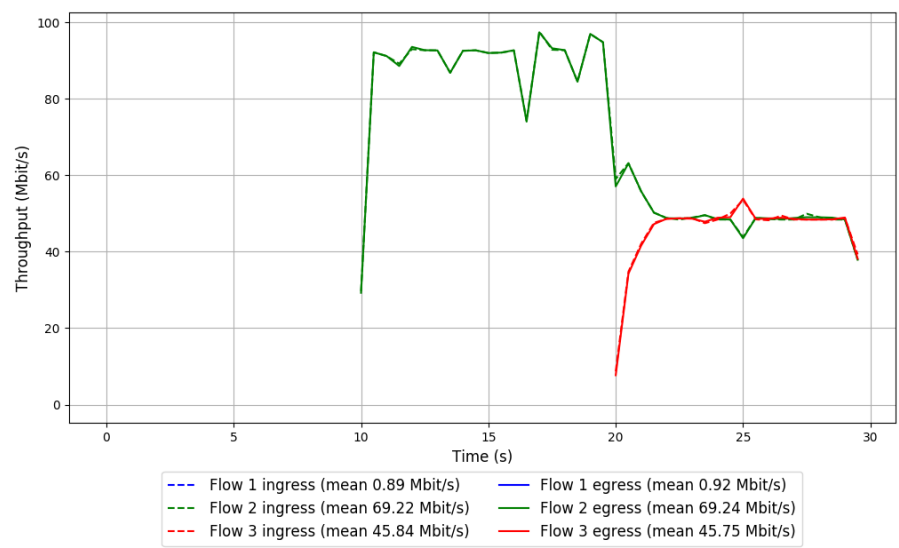
-- Flow 3:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 24.469 ms

Loss rate: 0.33%

Run 3: Report of QUIC Cubic — Data Link

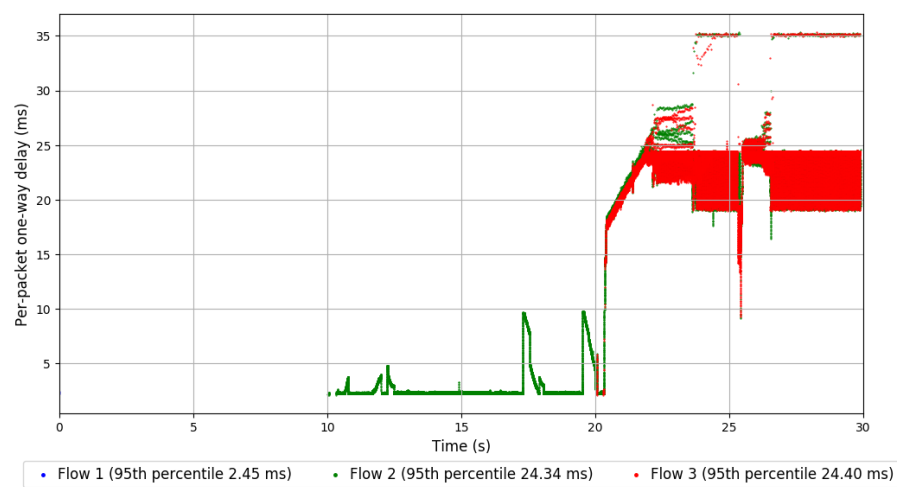
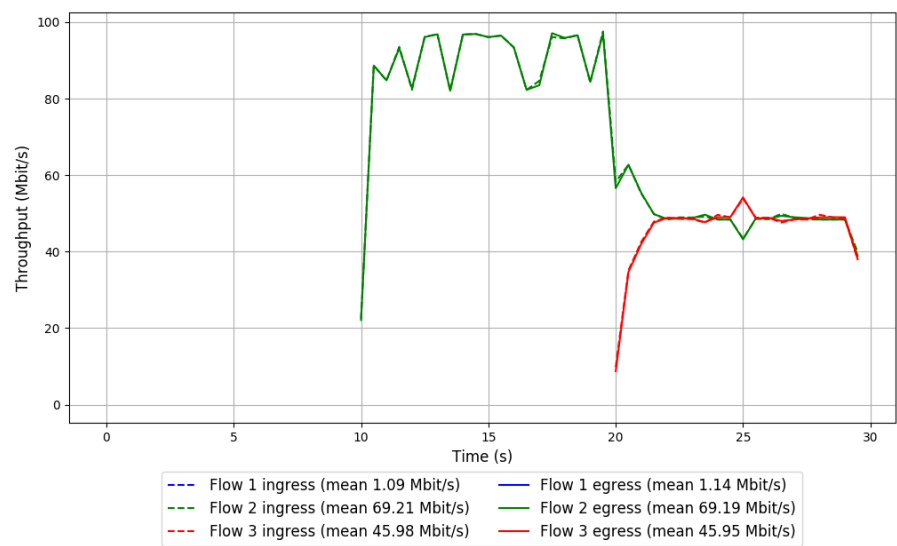


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-20 05:48:58
End at: 2017-12-20 05:49:28
Local clock offset: -0.037 ms
Remote clock offset: 0.544 ms

Below is generated by plot.py at 2017-12-20 10:42:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 24.367 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 24.339 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 24.402 ms
Loss rate: 0.24%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-20 06:05:57

End at: 2017-12-20 06:06:27

Local clock offset: 0.039 ms

Remote clock offset: 0.75 ms

Below is generated by plot.py at 2017-12-20 10:42:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.56 Mbit/s

95th percentile per-packet one-way delay: 24.437 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 2.498 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 24.414 ms

Loss rate: 0.08%

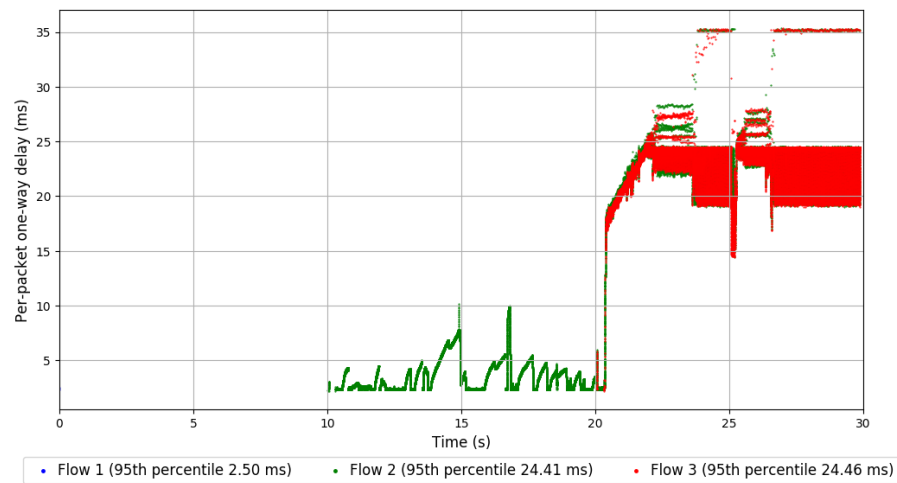
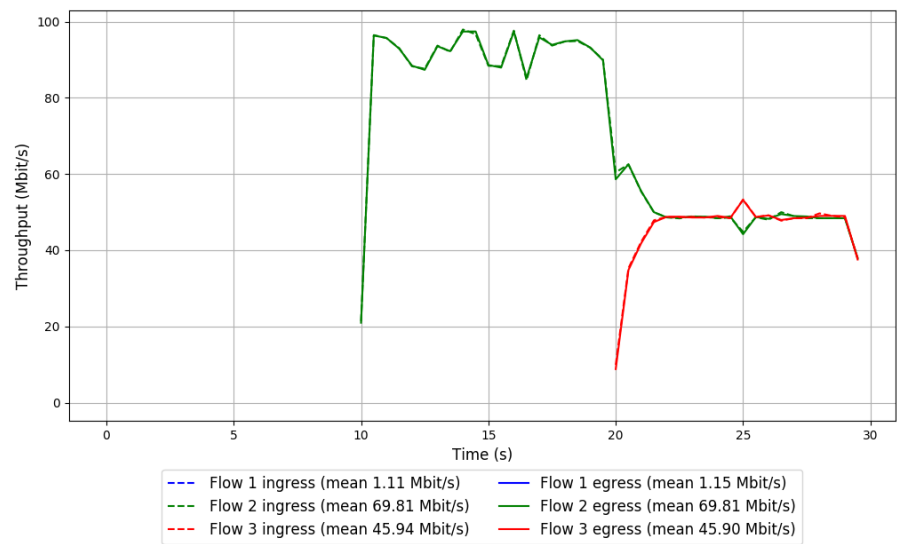
-- Flow 3:

Average throughput: 45.90 Mbit/s

95th percentile per-packet one-way delay: 24.464 ms

Loss rate: 0.29%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-12-20 06:22:55

End at: 2017-12-20 06:23:25

Local clock offset: 0.052 ms

Remote clock offset: 0.776 ms

Below is generated by plot.py at 2017-12-20 10:42:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.75 Mbit/s

95th percentile per-packet one-way delay: 24.419 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 3.388 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 24.388 ms

Loss rate: 0.11%

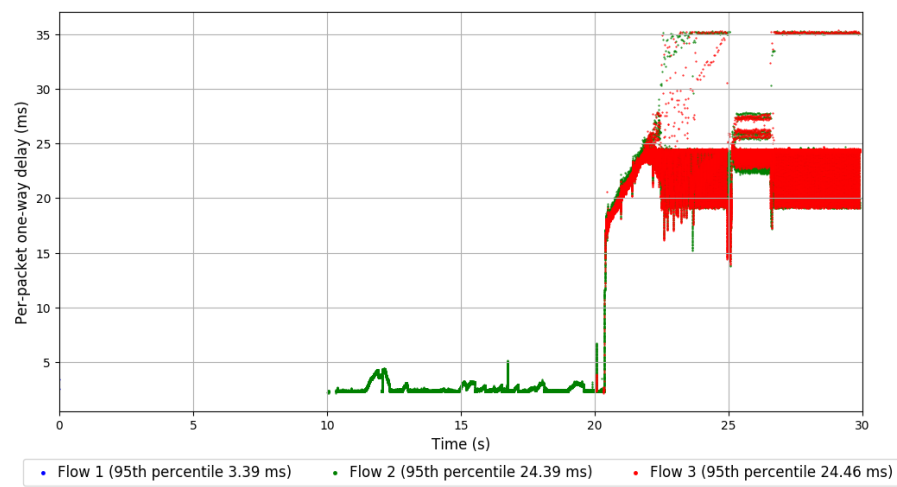
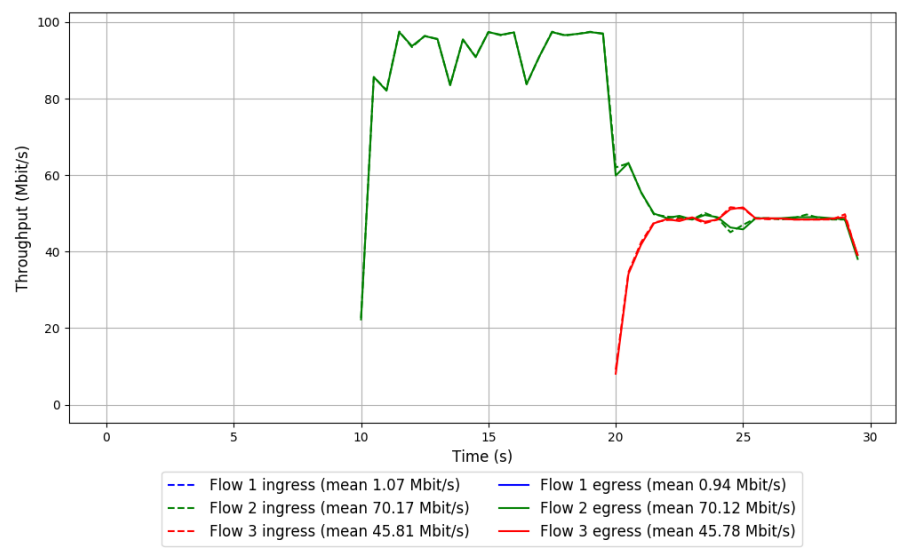
-- Flow 3:

Average throughput: 45.78 Mbit/s

95th percentile per-packet one-way delay: 24.456 ms

Loss rate: 0.24%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-12-20 06:39:53

End at: 2017-12-20 06:40:23

Local clock offset: 0.063 ms

Remote clock offset: 0.849 ms

Below is generated by plot.py at 2017-12-20 10:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 24.455 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.21 Mbit/s

95th percentile per-packet one-way delay: 24.435 ms

Loss rate: 0.09%

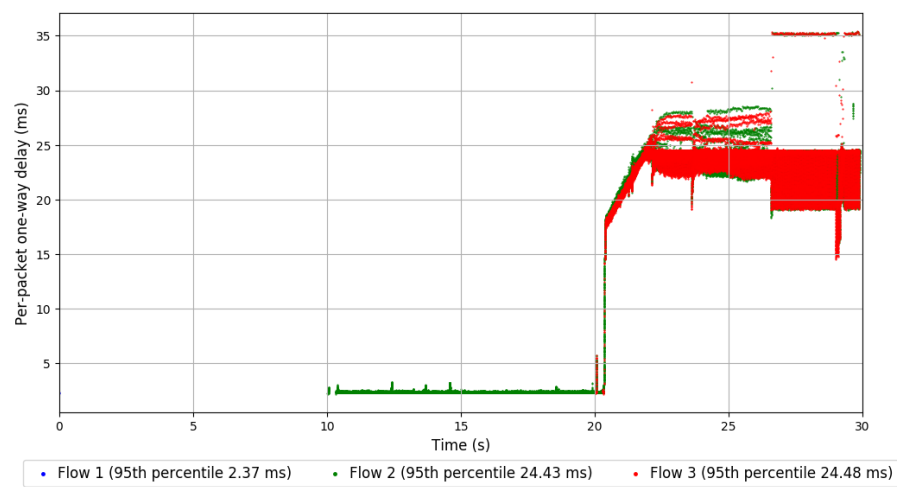
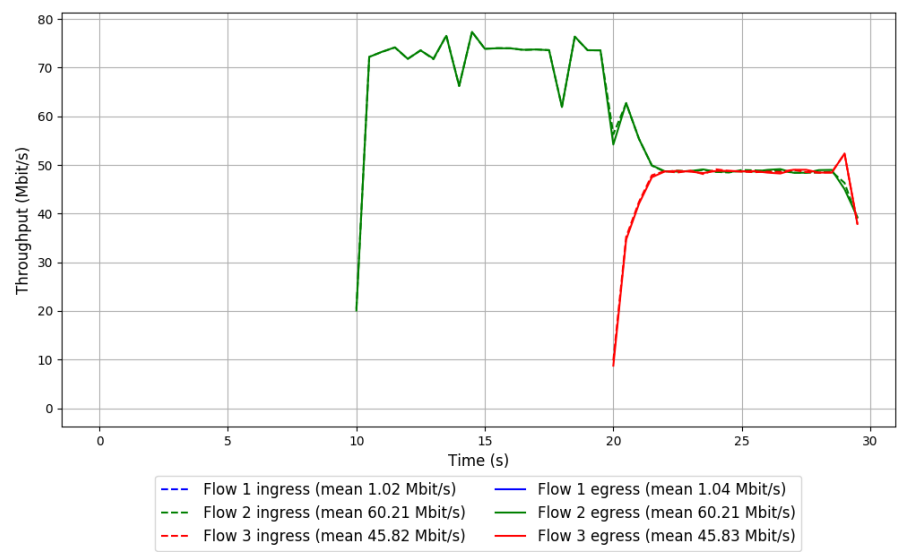
-- Flow 3:

Average throughput: 45.83 Mbit/s

95th percentile per-packet one-way delay: 24.483 ms

Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-12-20 06:56:53

End at: 2017-12-20 06:57:23

Local clock offset: 0.054 ms

Remote clock offset: 0.743 ms

Below is generated by plot.py at 2017-12-20 10:43:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 24.418 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 2.489 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 24.389 ms

Loss rate: 0.08%

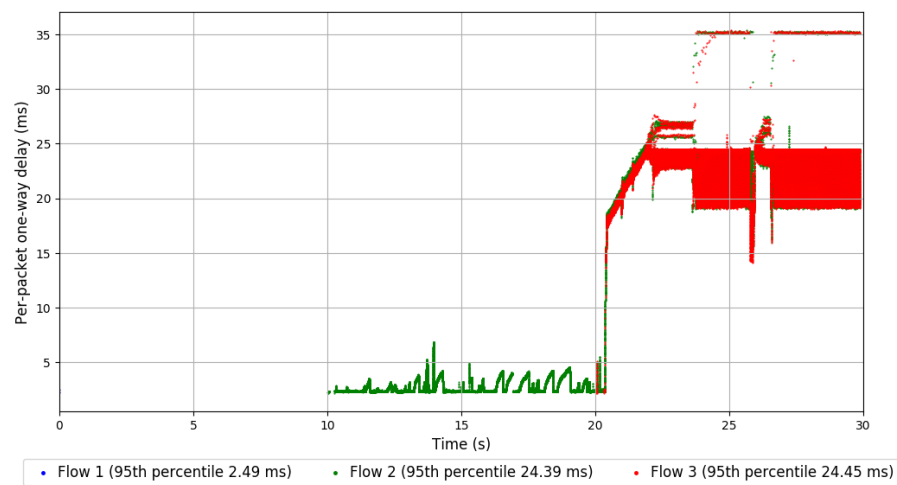
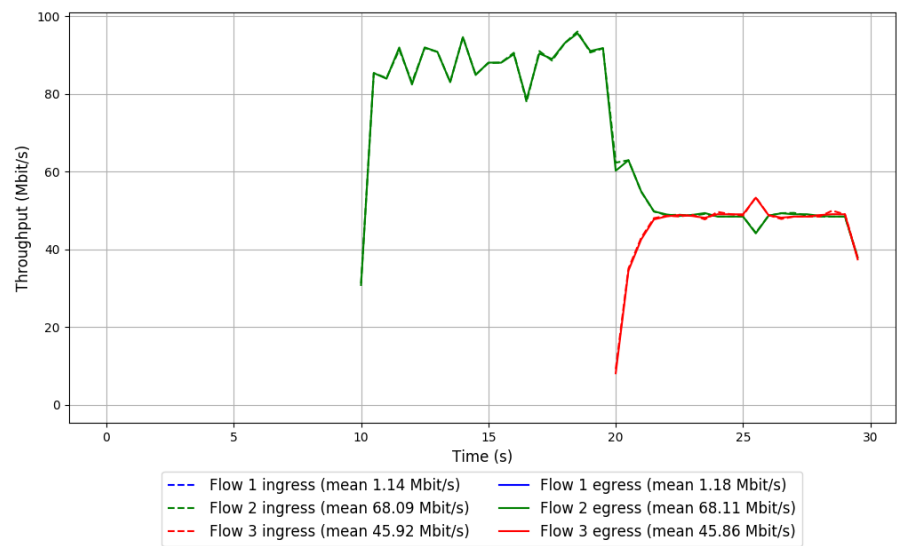
-- Flow 3:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 24.447 ms

Loss rate: 0.34%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-20 07:13:53

End at: 2017-12-20 07:14:23

Local clock offset: 0.036 ms

Remote clock offset: 0.622 ms

Below is generated by plot.py at 2017-12-20 10:43:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 24.422 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 2.386 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 24.399 ms

Loss rate: 0.08%

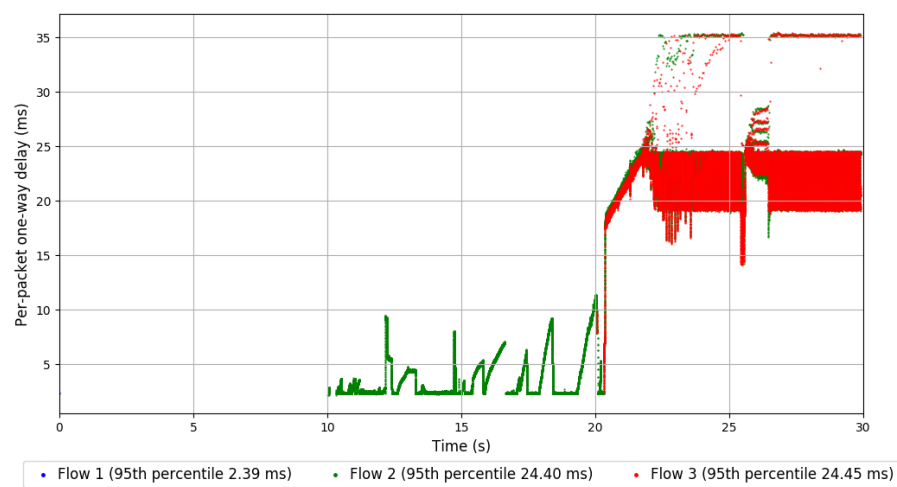
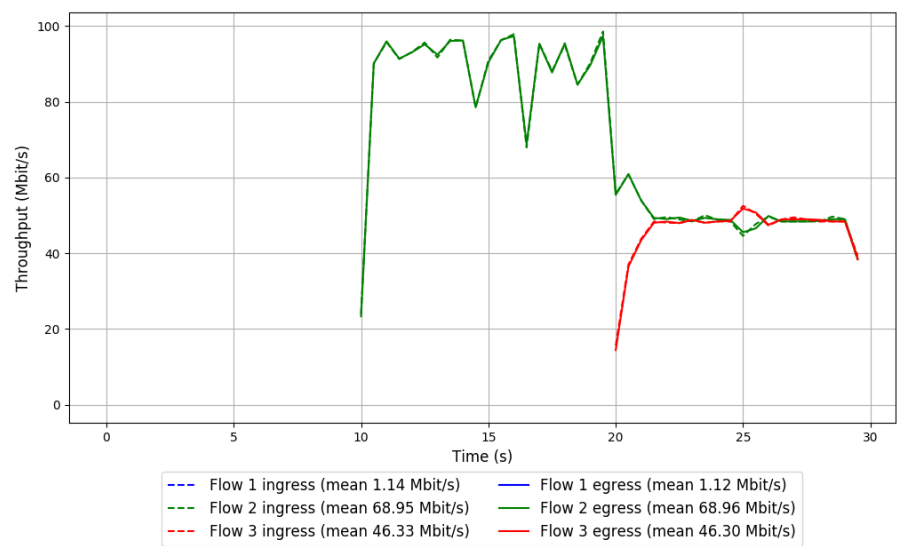
-- Flow 3:

Average throughput: 46.30 Mbit/s

95th percentile per-packet one-way delay: 24.450 ms

Loss rate: 0.34%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-20 07:30:55

End at: 2017-12-20 07:31:25

Local clock offset: -0.043 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 24.344 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 2.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 24.313 ms

Loss rate: 0.08%

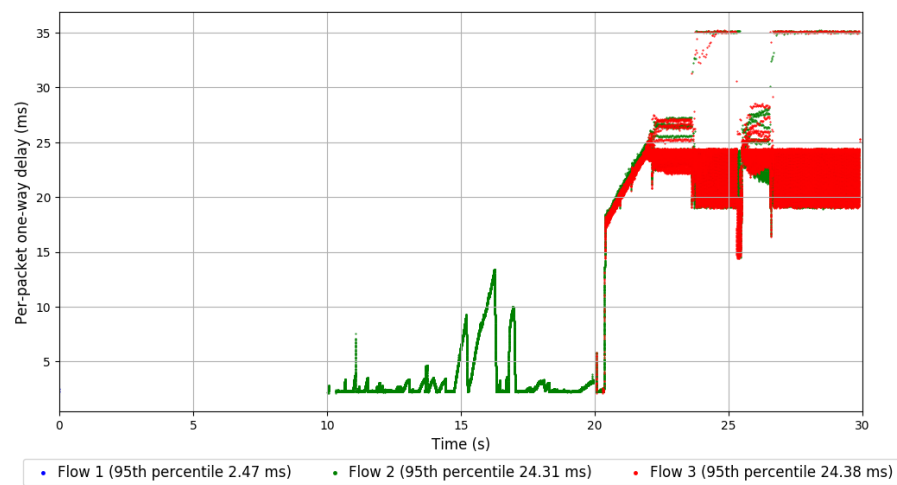
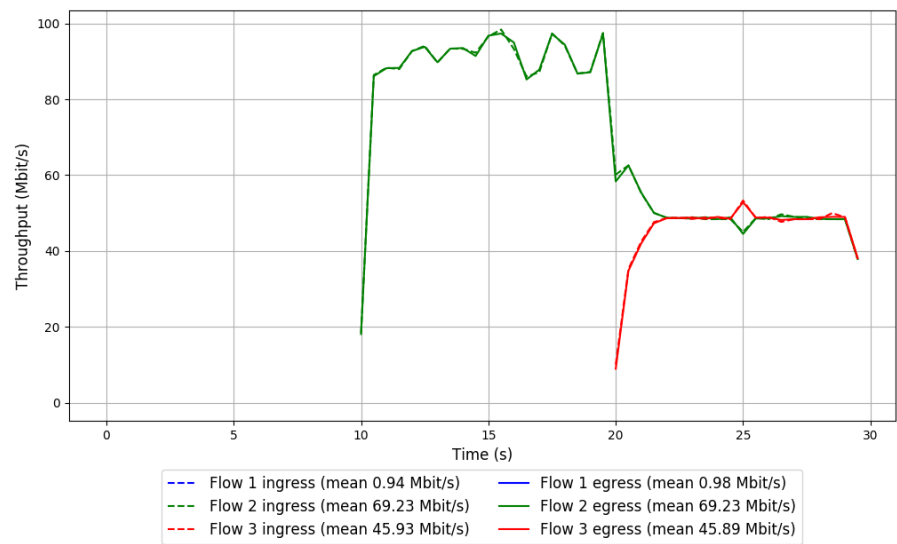
-- Flow 3:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 24.379 ms

Loss rate: 0.25%

Run 10: Report of QUIC Cubic — Data Link

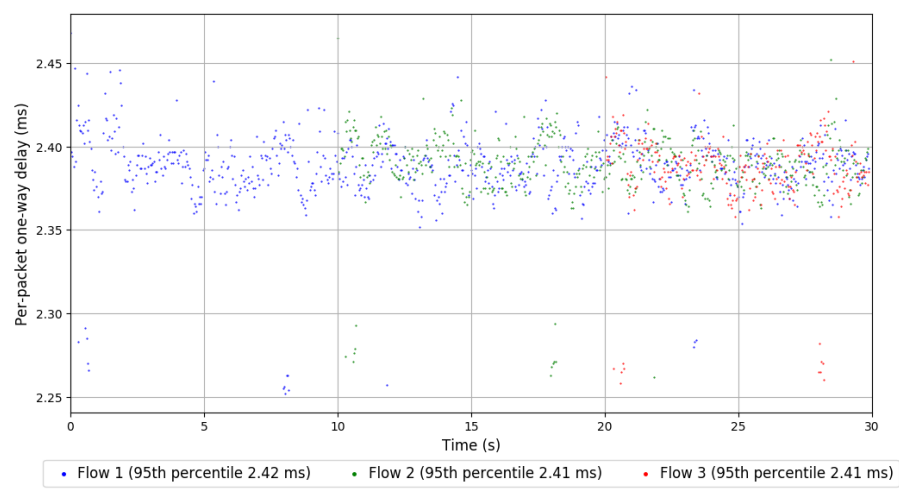
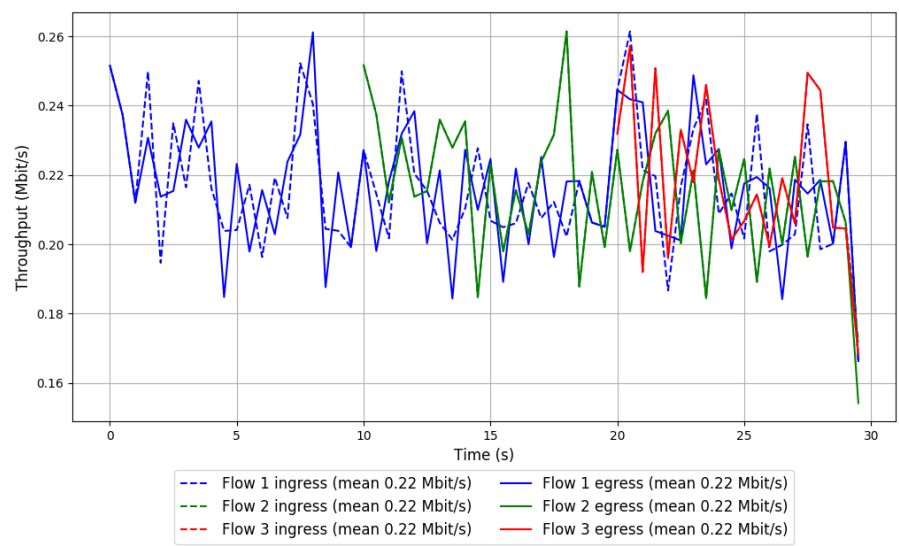


Run 1: Statistics of SReAM

Start at: 2017-12-20 05:01:24
End at: 2017-12-20 05:01:54
Local clock offset: -0.071 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2017-12-20 10:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

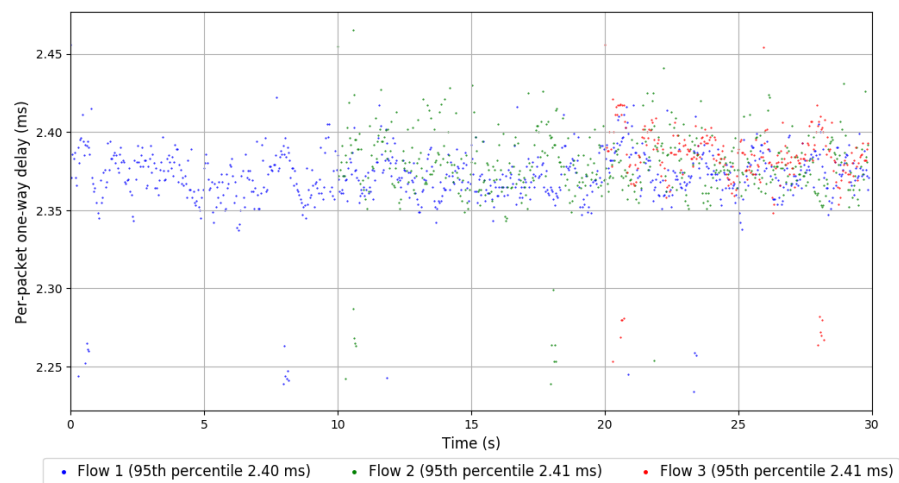
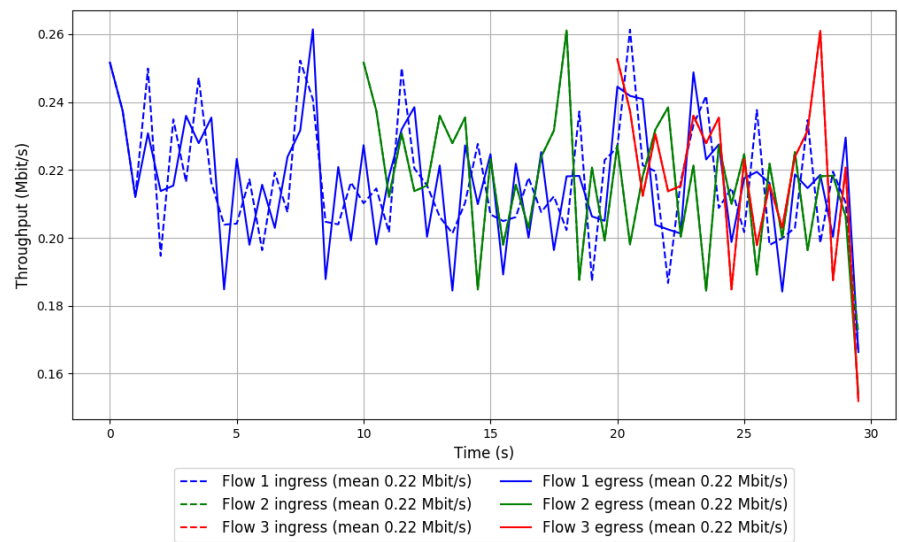


Run 2: Statistics of SReAM

Start at: 2017-12-20 05:18:24
End at: 2017-12-20 05:18:54
Local clock offset: -0.031 ms
Remote clock offset: 0.061 ms

Below is generated by plot.py at 2017-12-20 10:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2017-12-20 05:35:24

End at: 2017-12-20 05:35:54

Local clock offset: 0.0 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.325 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.322 ms

Loss rate: 0.20%

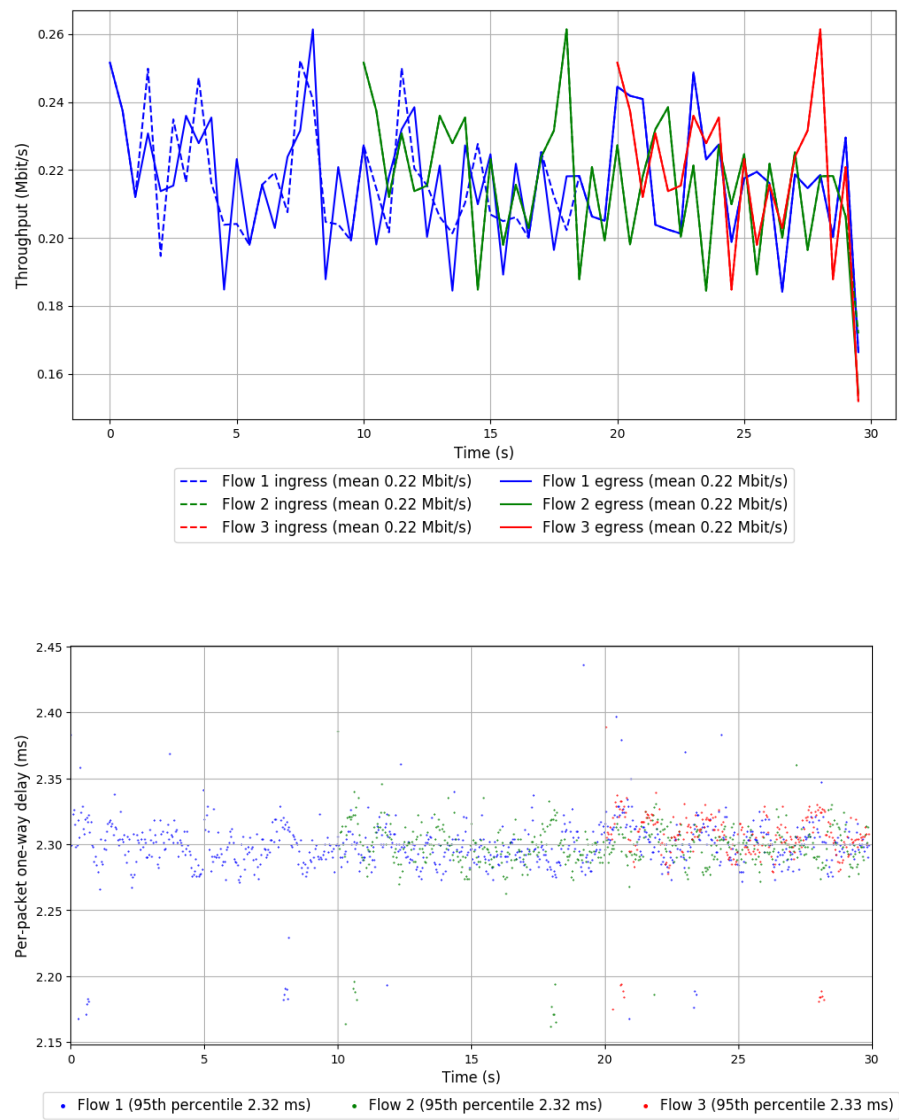
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-12-20 05:52:24

End at: 2017-12-20 05:52:54

Local clock offset: 0.038 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.20%

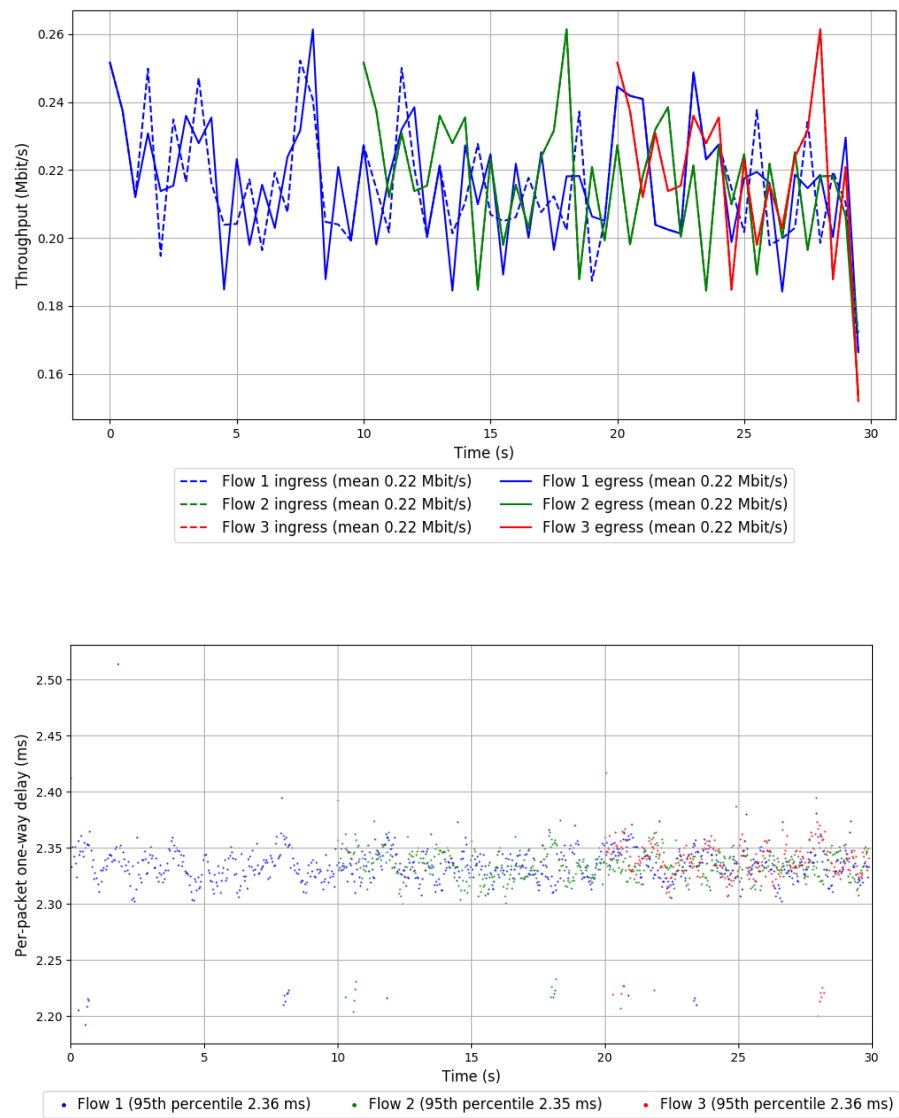
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-12-20 06:09:22

End at: 2017-12-20 06:09:52

Local clock offset: 0.043 ms

Remote clock offset: 0.787 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.303 ms

Loss rate: 0.00%

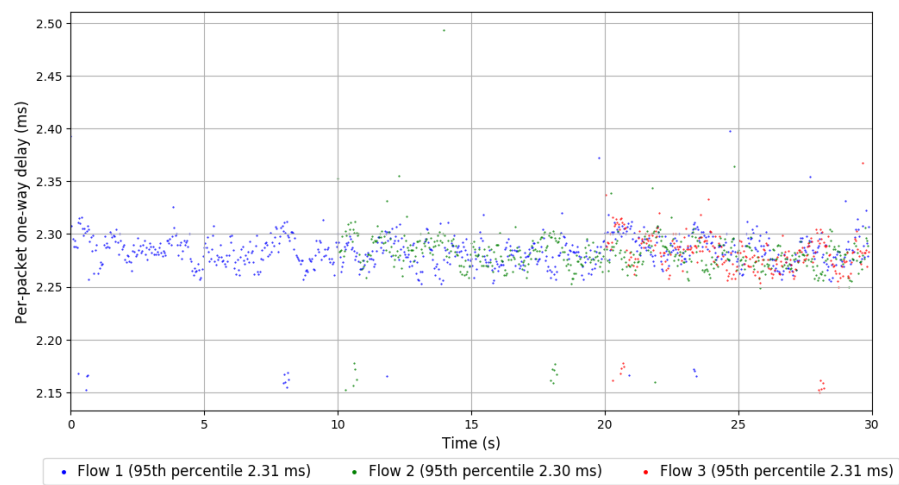
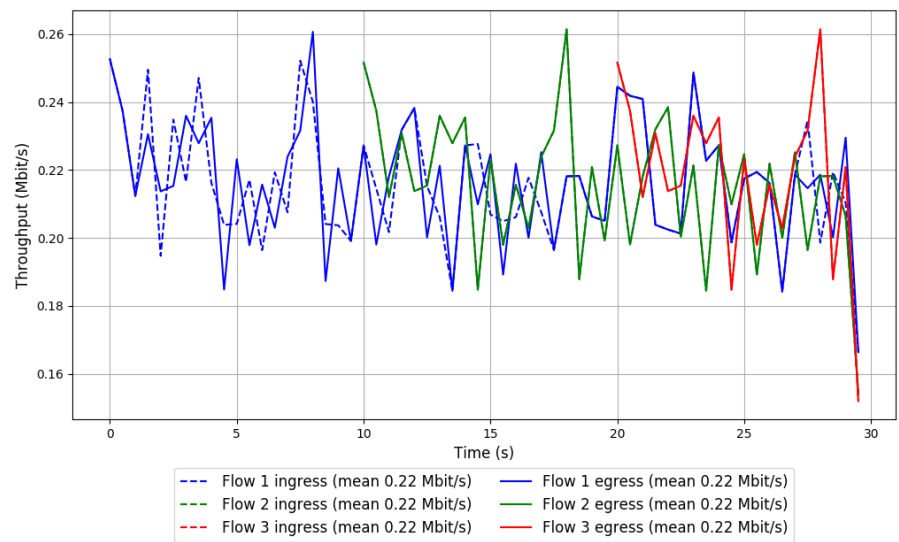
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.309 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2017-12-20 06:26:21

End at: 2017-12-20 06:26:51

Local clock offset: 0.058 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.341 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.343 ms

Loss rate: 0.20%

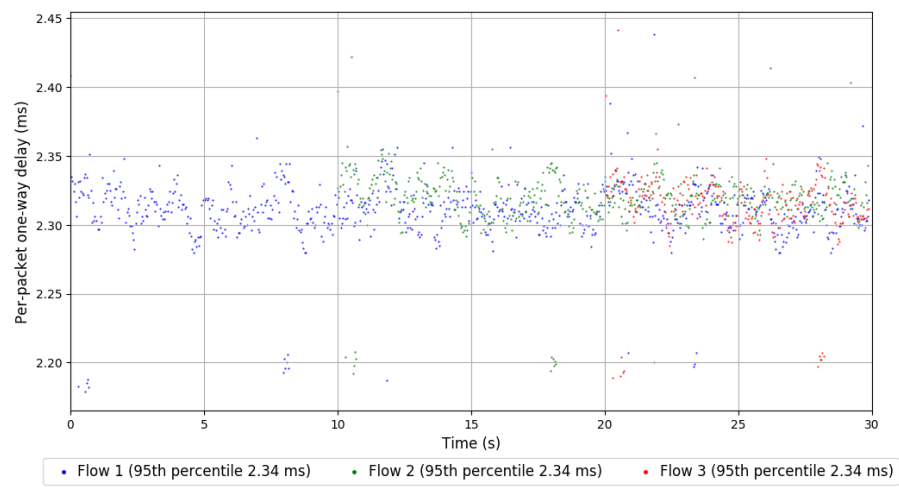
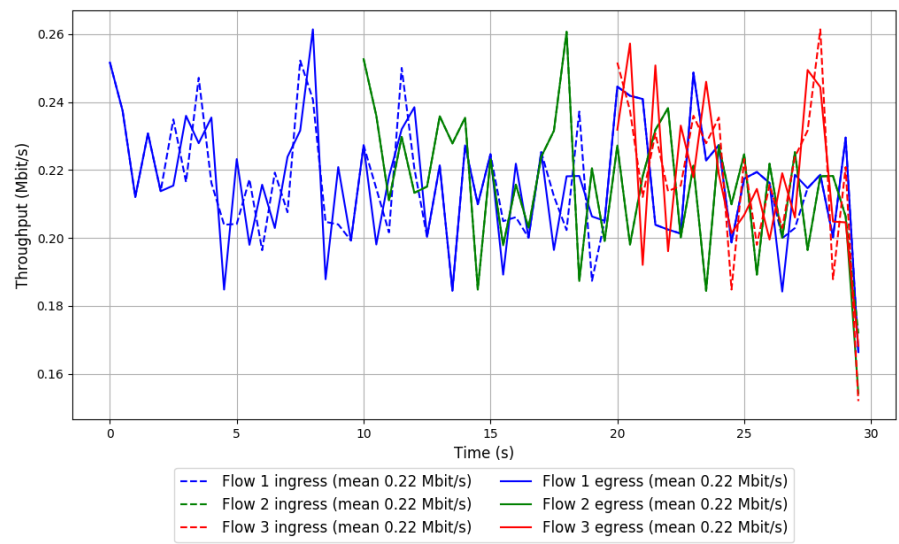
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

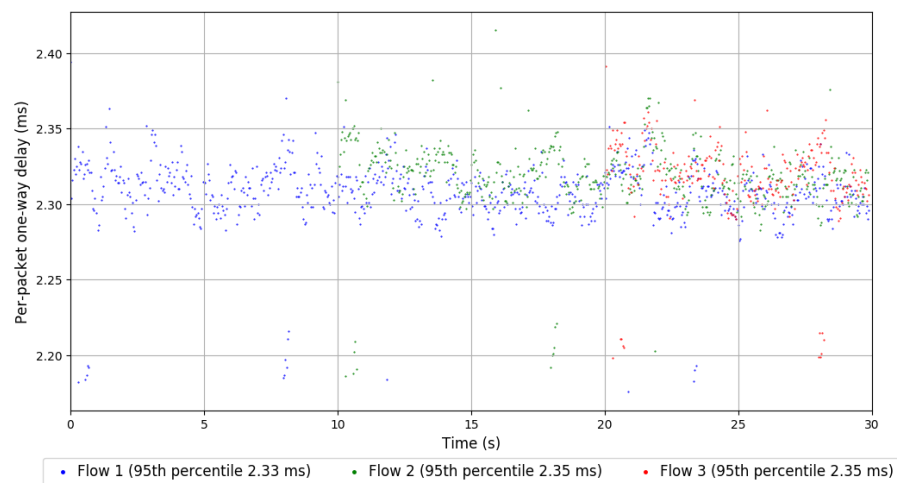
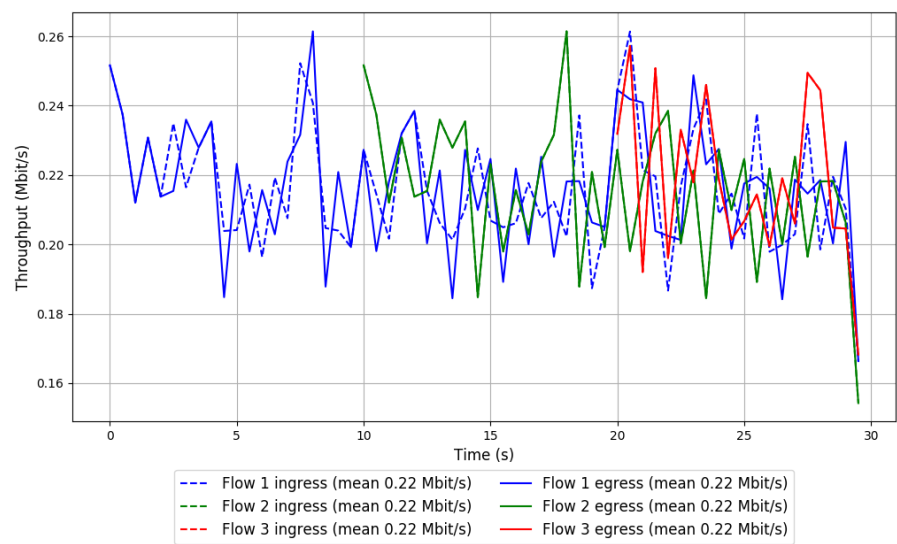


Run 7: Statistics of SReAM

Start at: 2017-12-20 06:43:18
End at: 2017-12-20 06:43:48
Local clock offset: 0.061 ms
Remote clock offset: 0.841 ms

```
# Below is generated by plot.py at 2017-12-20 10:43:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2017-12-20 07:00:19

End at: 2017-12-20 07:00:49

Local clock offset: 0.054 ms

Remote clock offset: 0.656 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.405 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.410 ms

Loss rate: 0.20%

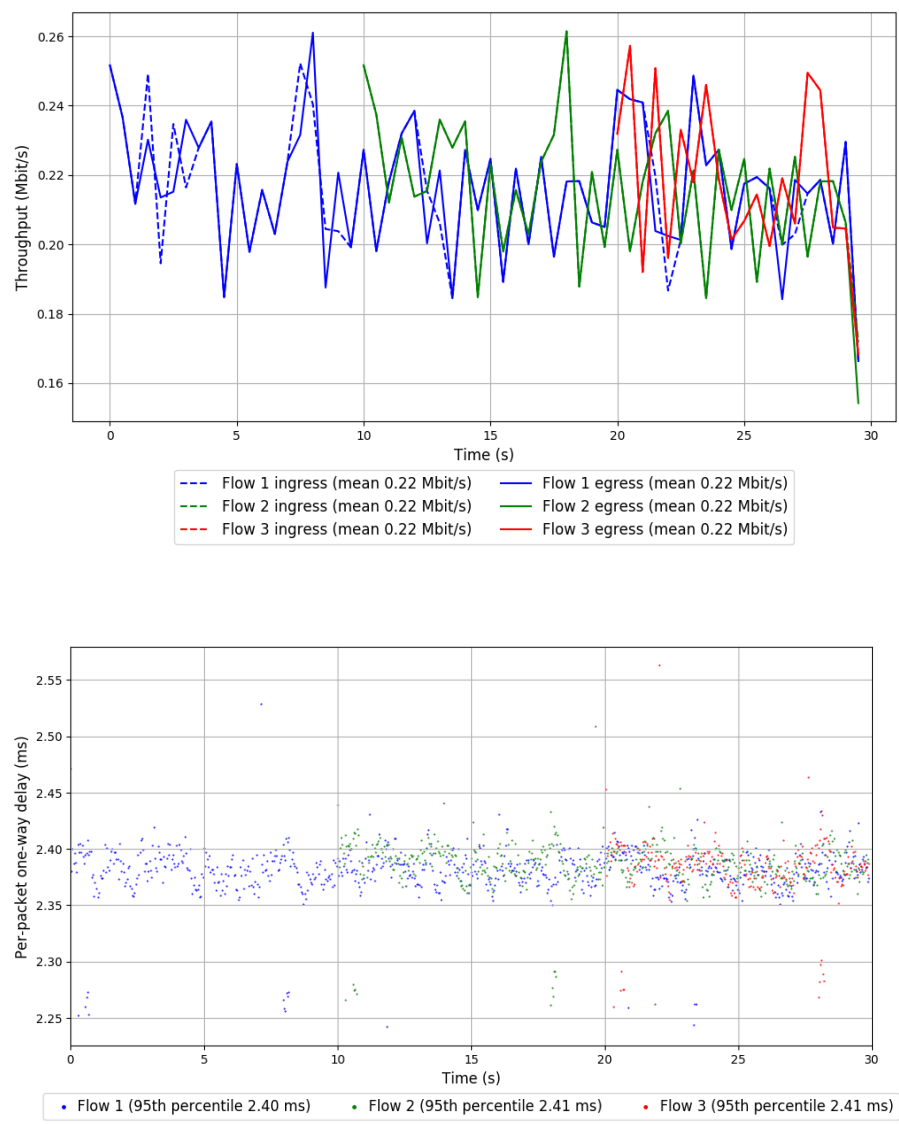
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.409 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-12-20 07:17:19

End at: 2017-12-20 07:17:49

Local clock offset: -0.014 ms

Remote clock offset: 0.523 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.368 ms

Loss rate: 0.20%

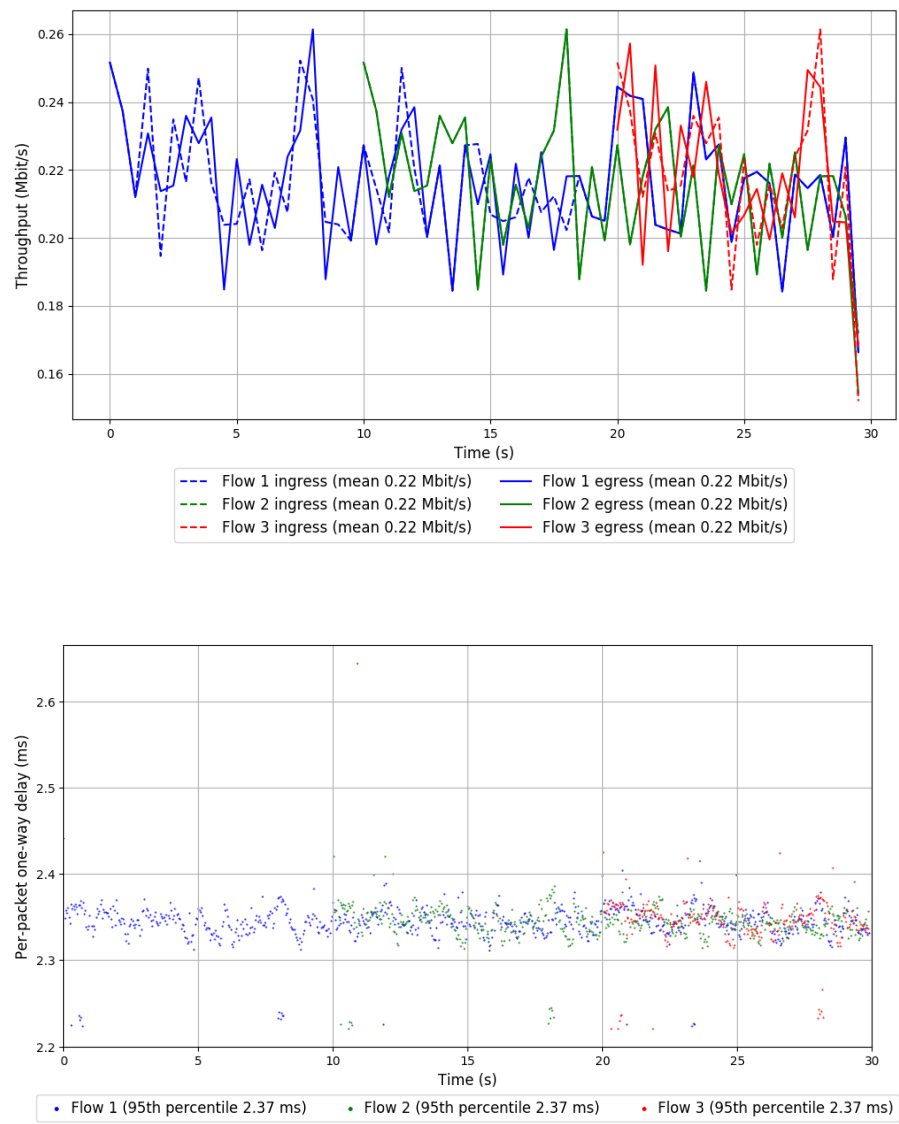
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.370 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-12-20 07:34:20

End at: 2017-12-20 07:34:50

Local clock offset: 0.019 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

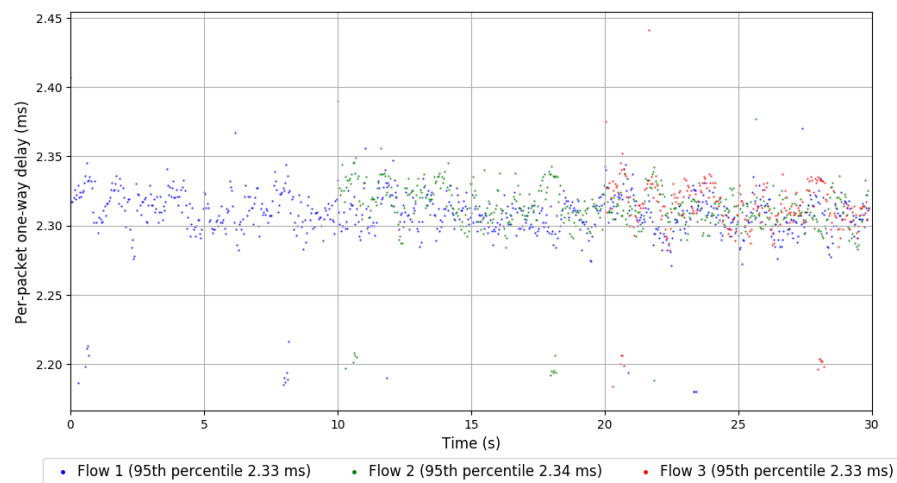
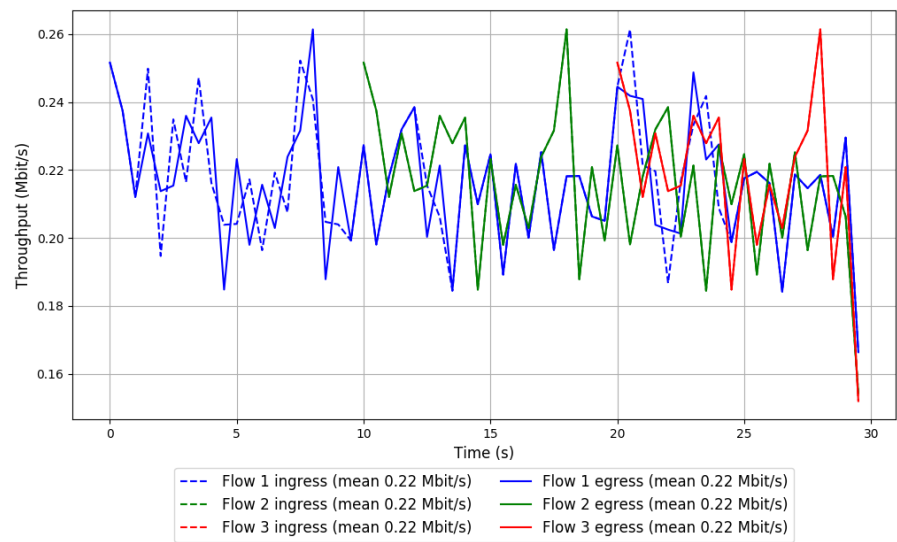
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

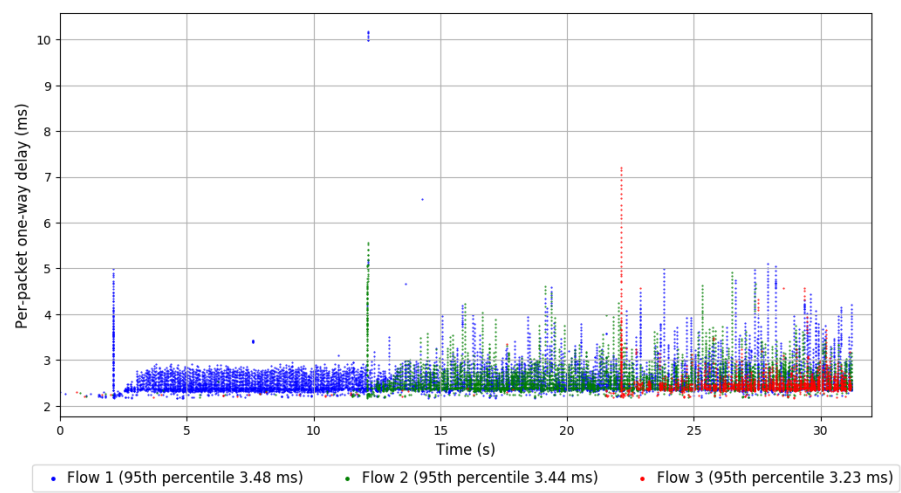
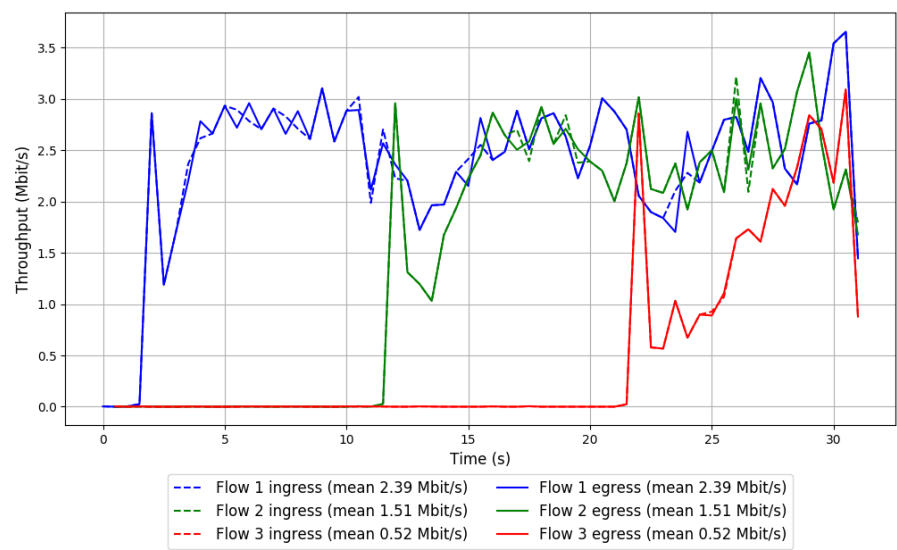


Run 1: Statistics of WebRTC media

Start at: 2017-12-20 05:07:04
End at: 2017-12-20 05:07:34
Local clock offset: -0.054 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2017-12-20 10:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.436 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-12-20 05:24:03

End at: 2017-12-20 05:24:33

Local clock offset: -0.011 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 3.431 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 3.364 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 3.478 ms

Loss rate: 0.31%

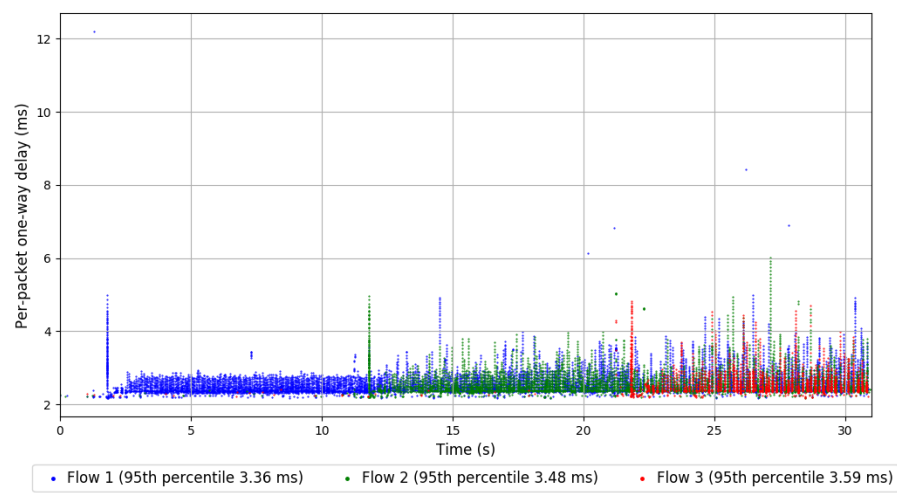
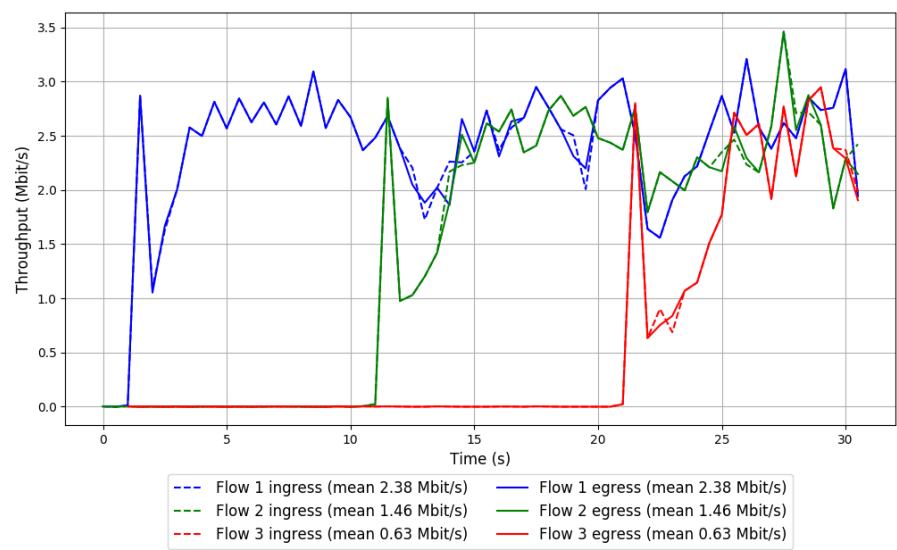
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 3.594 ms

Loss rate: 0.41%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-12-20 05:41:03

End at: 2017-12-20 05:41:33

Local clock offset: -0.05 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 3.203 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 3.018 ms

Loss rate: 0.00%

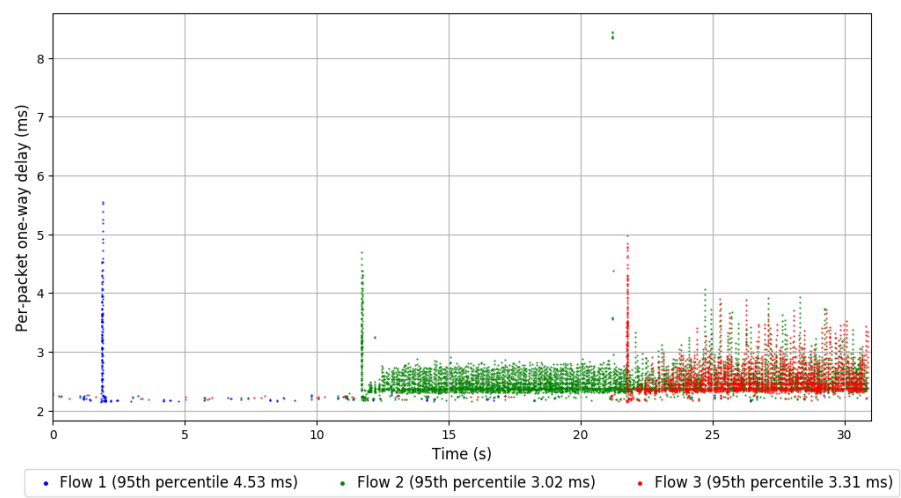
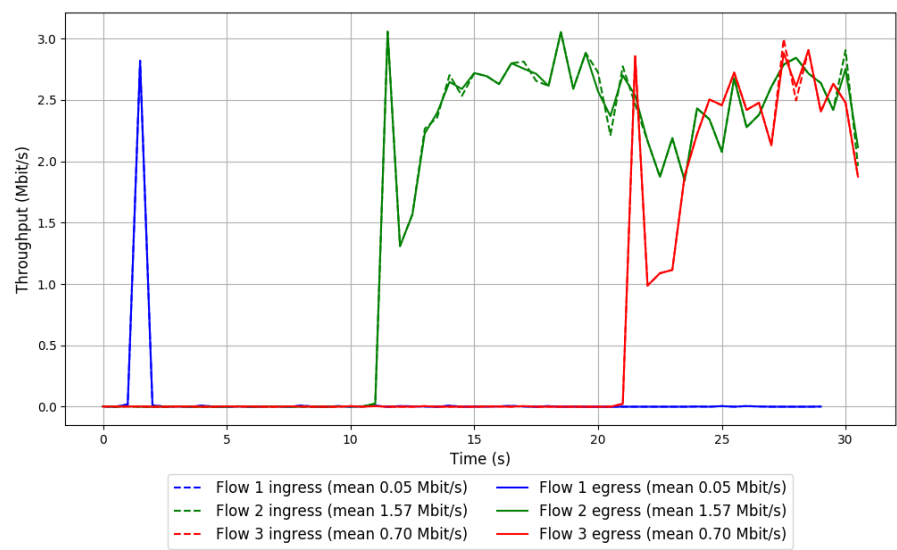
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 3.313 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-12-20 05:58:04

End at: 2017-12-20 05:58:34

Local clock offset: 0.035 ms

Remote clock offset: 0.661 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 3.297 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 3.159 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 3.401 ms

Loss rate: 0.15%

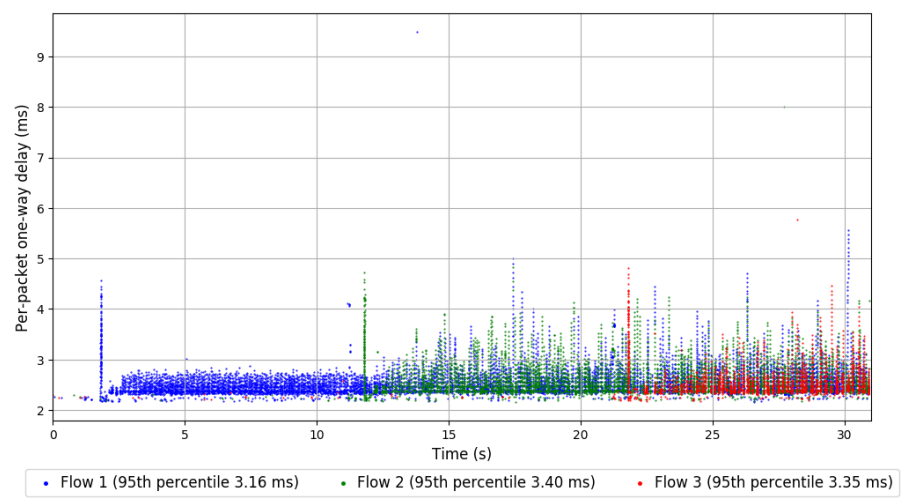
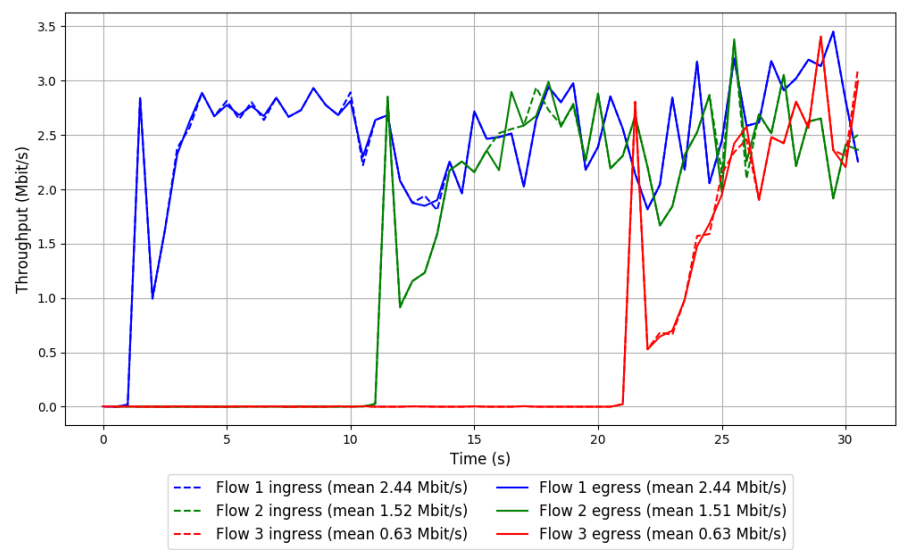
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 3.353 ms

Loss rate: 0.55%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-20 06:15:02

End at: 2017-12-20 06:15:32

Local clock offset: 0.059 ms

Remote clock offset: 0.781 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 3.260 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 3.327 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 3.216 ms

Loss rate: 0.00%

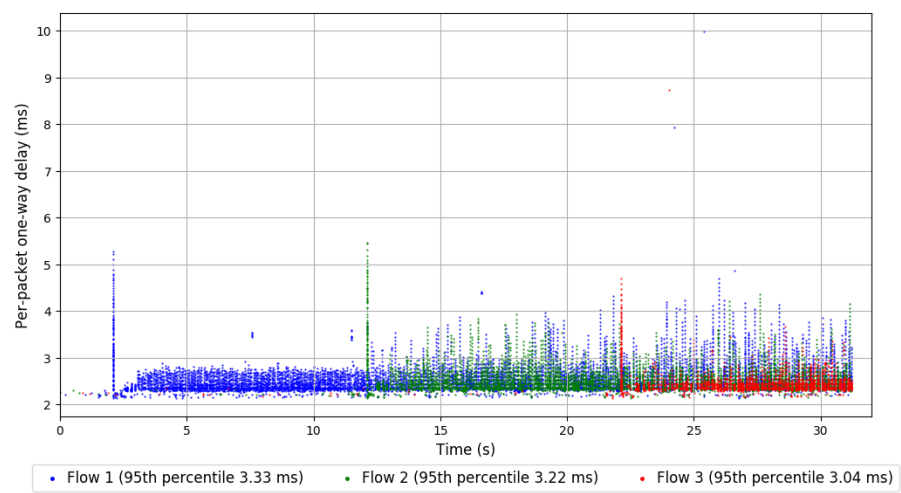
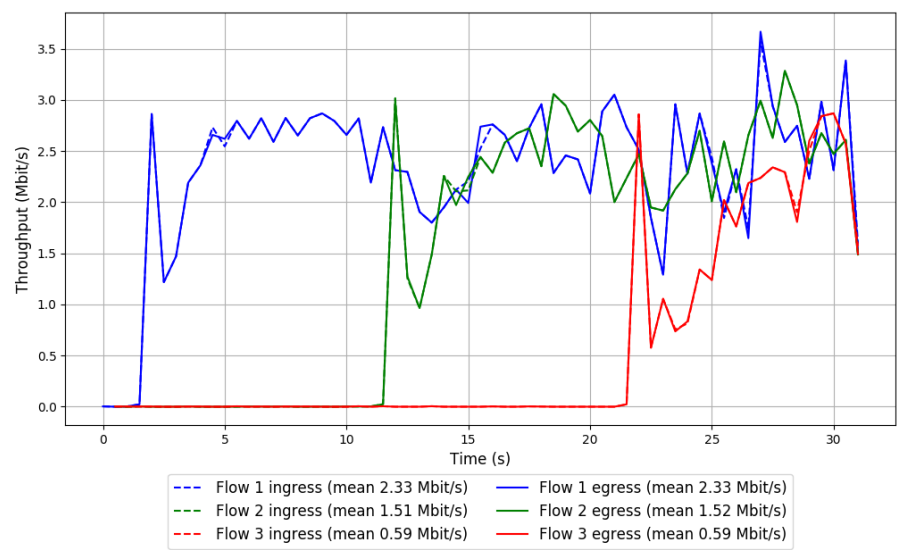
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 3.038 ms

Loss rate: 0.22%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-12-20 06:32:00

End at: 2017-12-20 06:32:30

Local clock offset: 0.04 ms

Remote clock offset: 0.809 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 3.404 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 3.432 ms

Loss rate: 0.00%

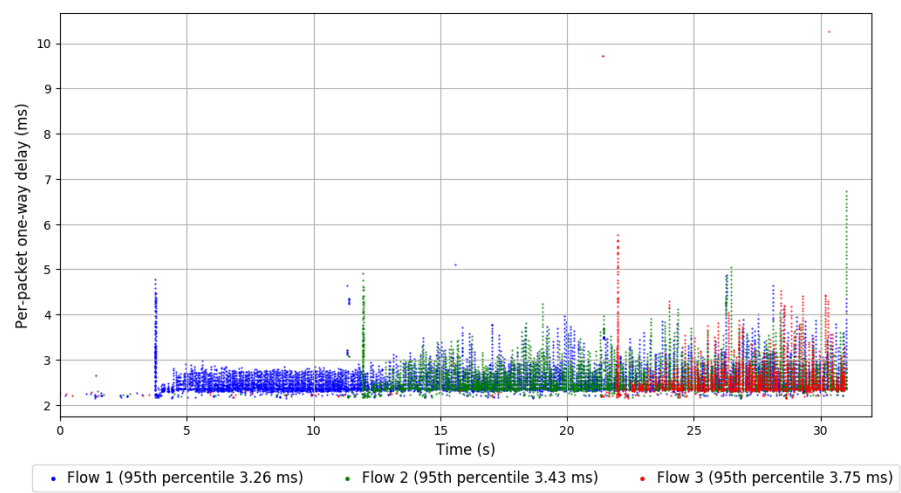
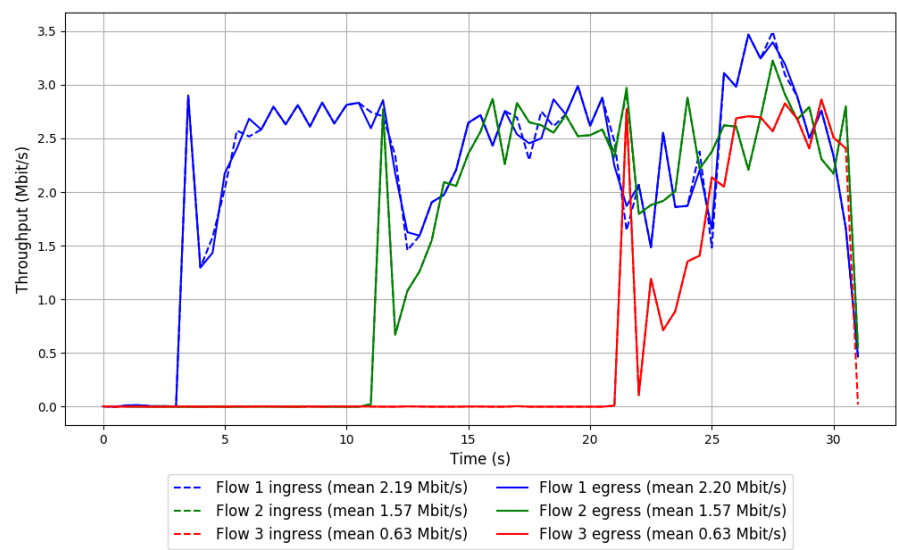
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 3.749 ms

Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-12-20 06:48:58

End at: 2017-12-20 06:49:28

Local clock offset: 0.056 ms

Remote clock offset: 0.8 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 3.348 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.846 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 3.057 ms

Loss rate: 0.00%

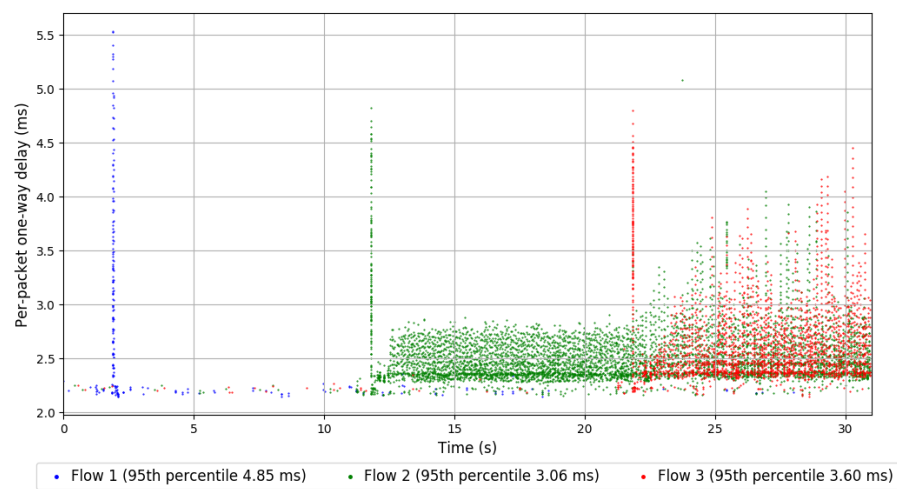
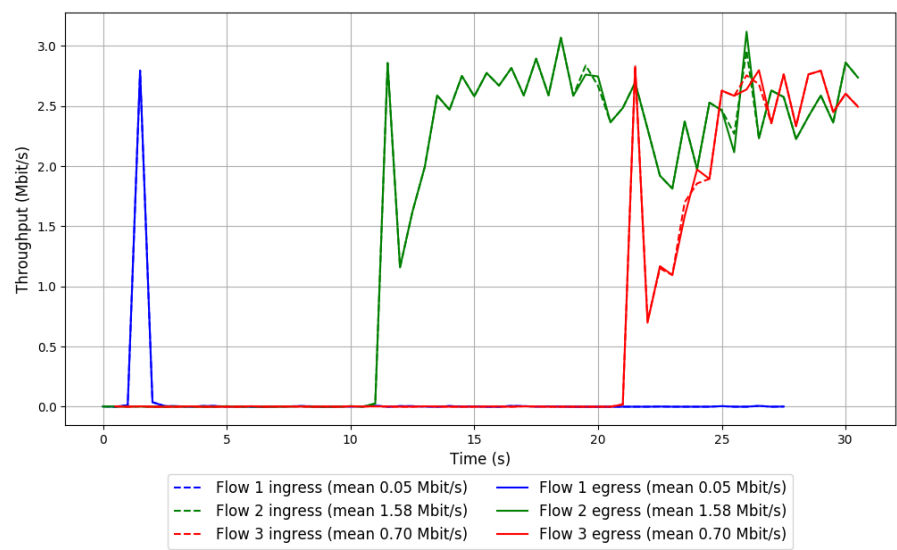
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-12-20 07:05:59

End at: 2017-12-20 07:06:29

Local clock offset: 0.037 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 3.064 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 2.949 ms

Loss rate: 0.00%

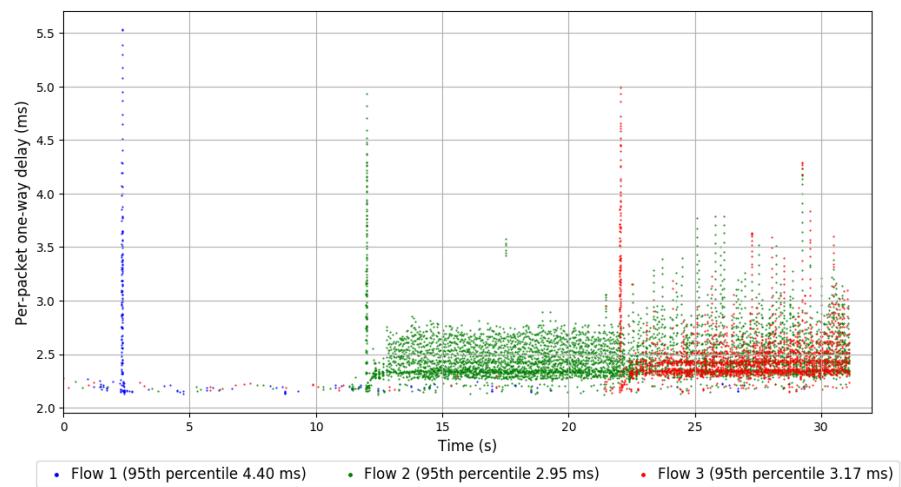
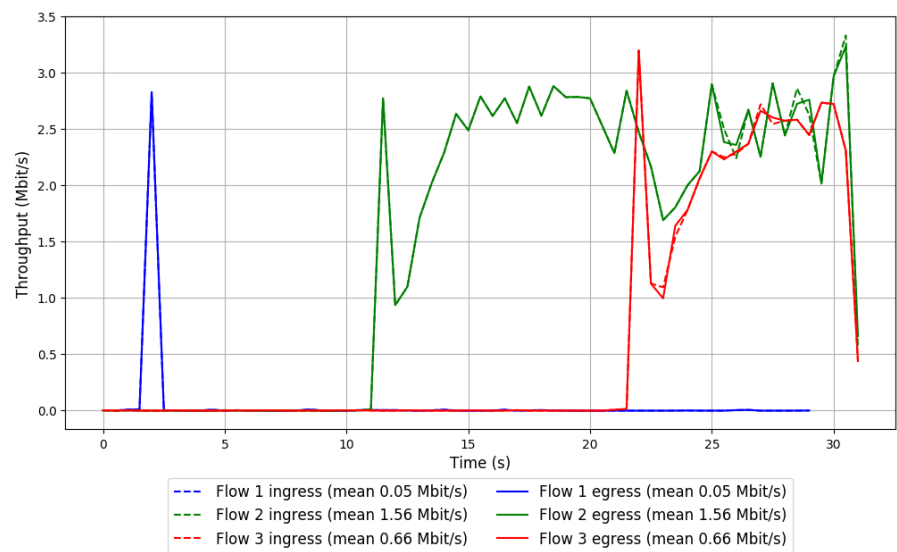
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 3.172 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-12-20 07:22:58

End at: 2017-12-20 07:23:28

Local clock offset: 0.035 ms

Remote clock offset: 0.549 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 3.173 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 2.996 ms

Loss rate: 0.00%

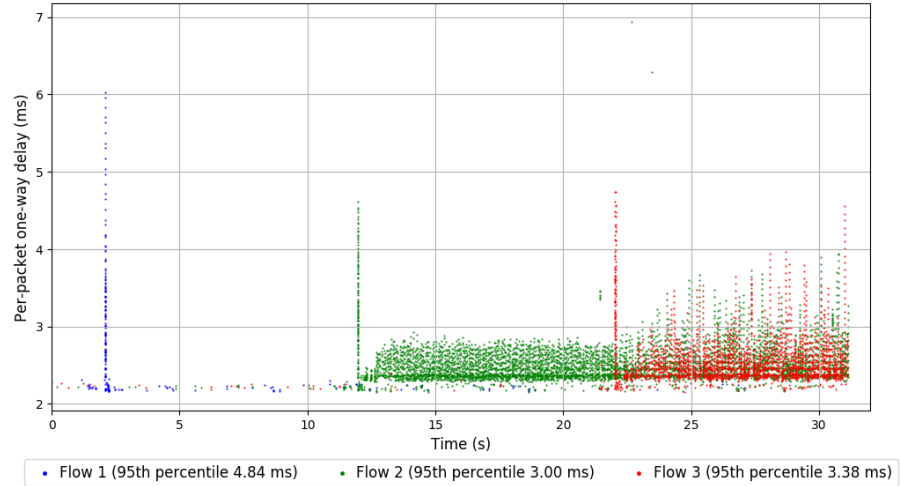
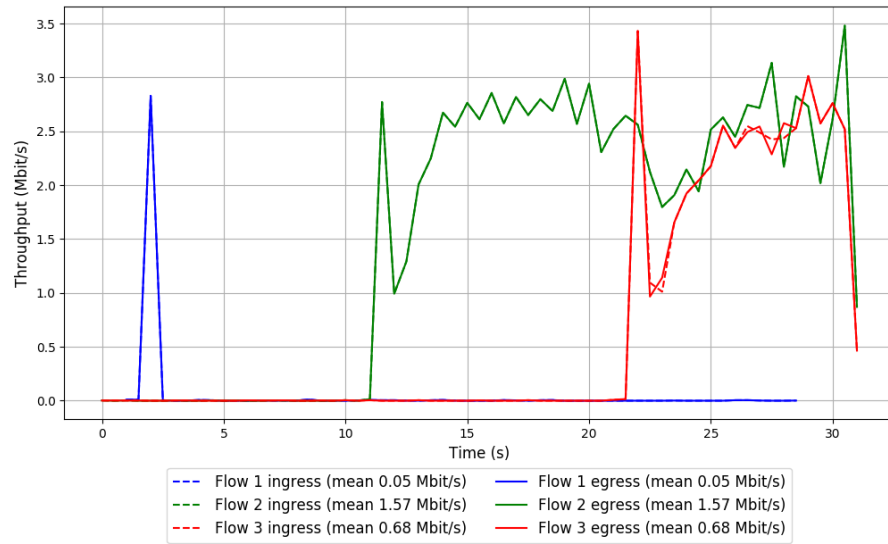
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 3.379 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-12-20 07:39:59

End at: 2017-12-20 07:40:29

Local clock offset: 0.014 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2017-12-20 10:43:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 3.275 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.745 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 3.092 ms

Loss rate: 0.16%

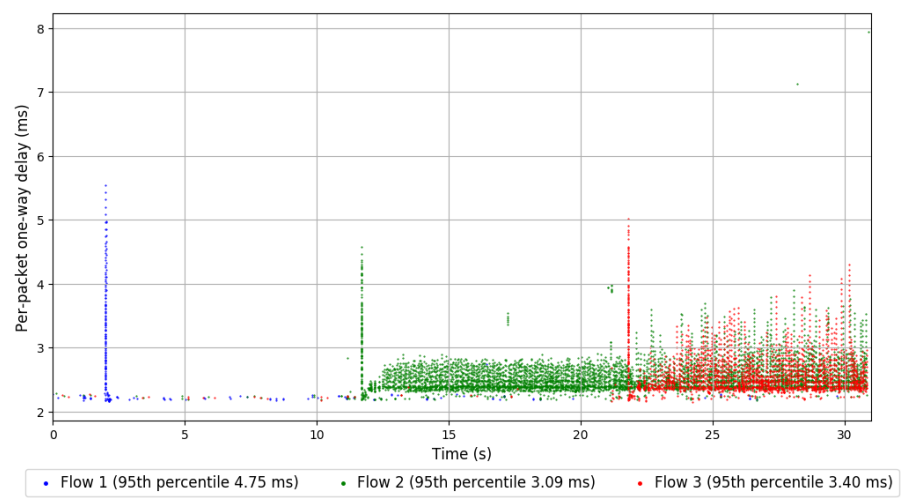
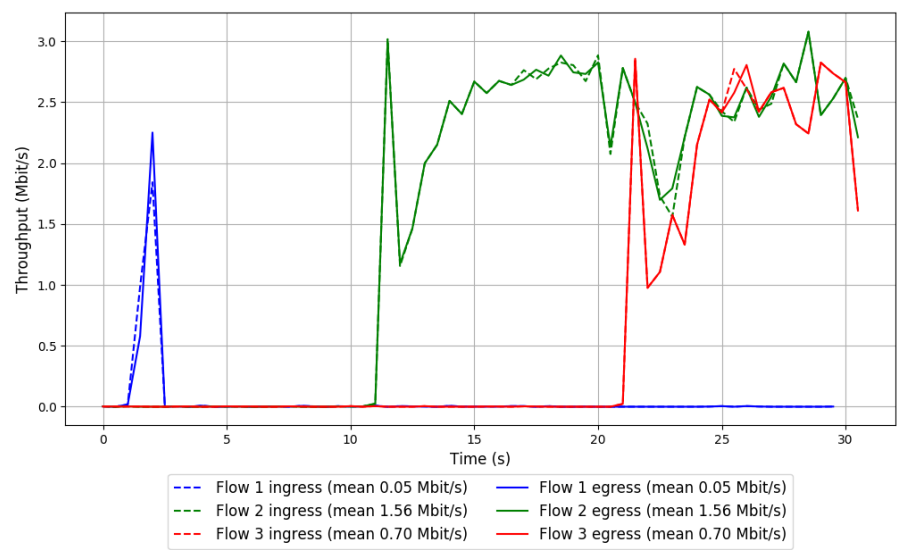
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 3.396 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

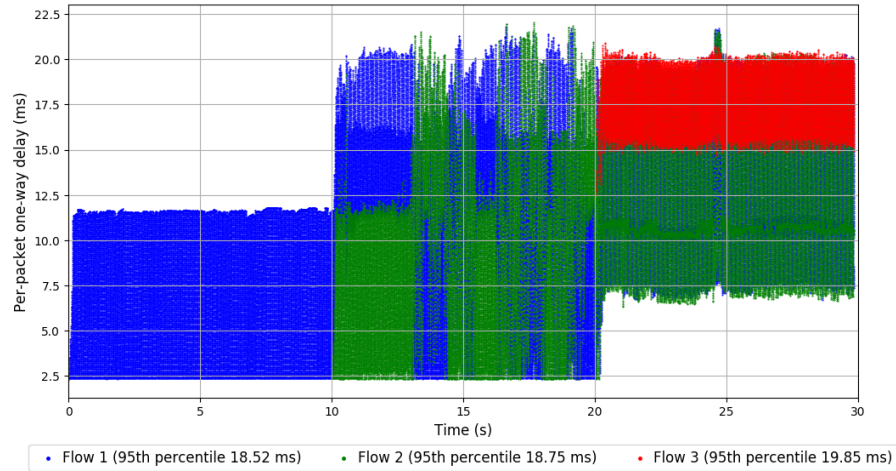
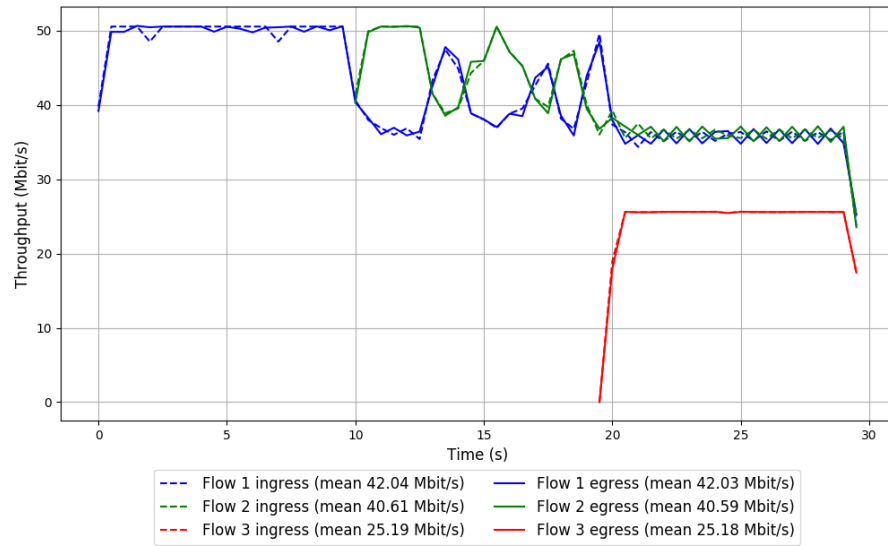


Run 1: Statistics of Sprout

Start at: 2017-12-20 04:56:55
End at: 2017-12-20 04:57:25
Local clock offset: -0.089 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2017-12-20 10:44:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 18.523 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 18.752 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.20%

Run 1: Report of Sprout — Data Link

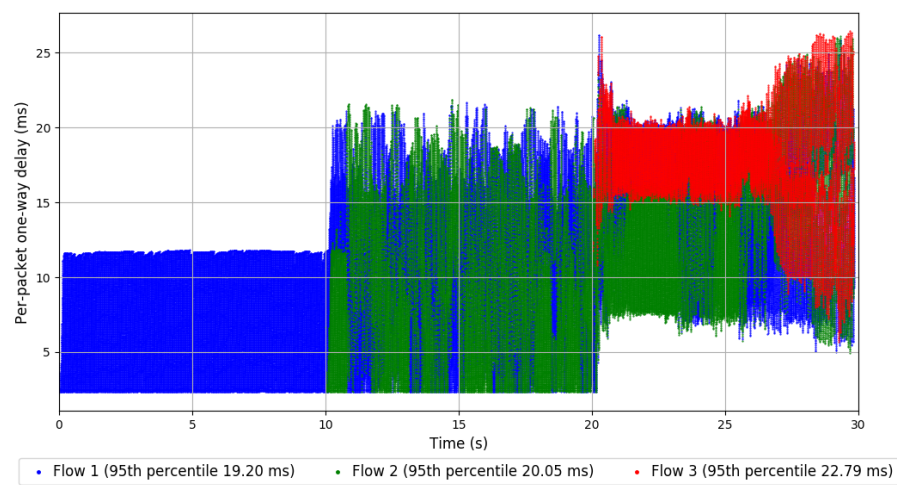
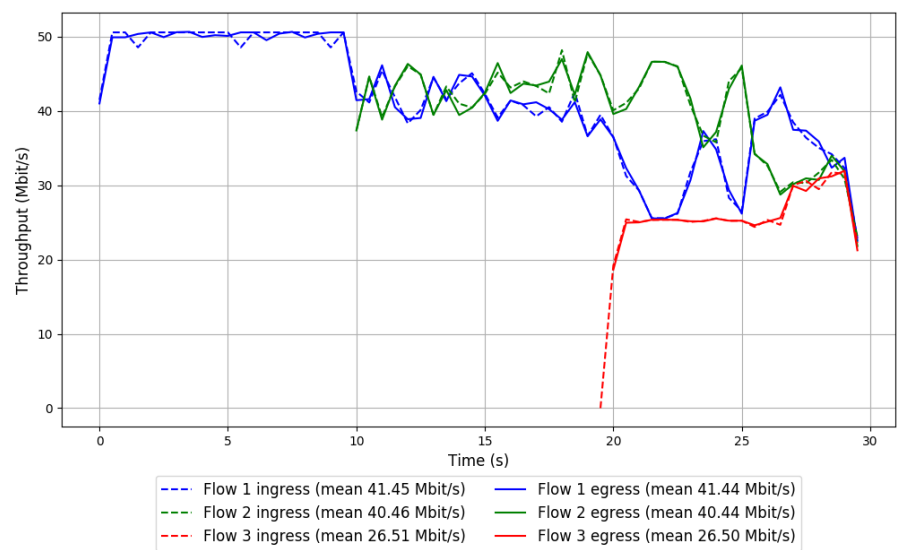


Run 2: Statistics of Sprout

Start at: 2017-12-20 05:13:52
End at: 2017-12-20 05:14:22
Local clock offset: -0.046 ms
Remote clock offset: 0.047 ms

```
# Below is generated by plot.py at 2017-12-20 10:44:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 20.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 22.794 ms
Loss rate: 0.24%
```

Run 2: Report of Sprout — Data Link

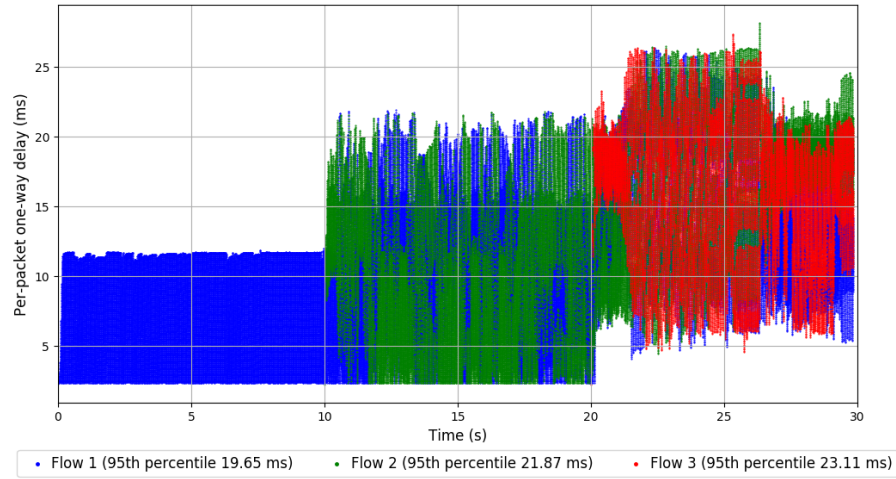
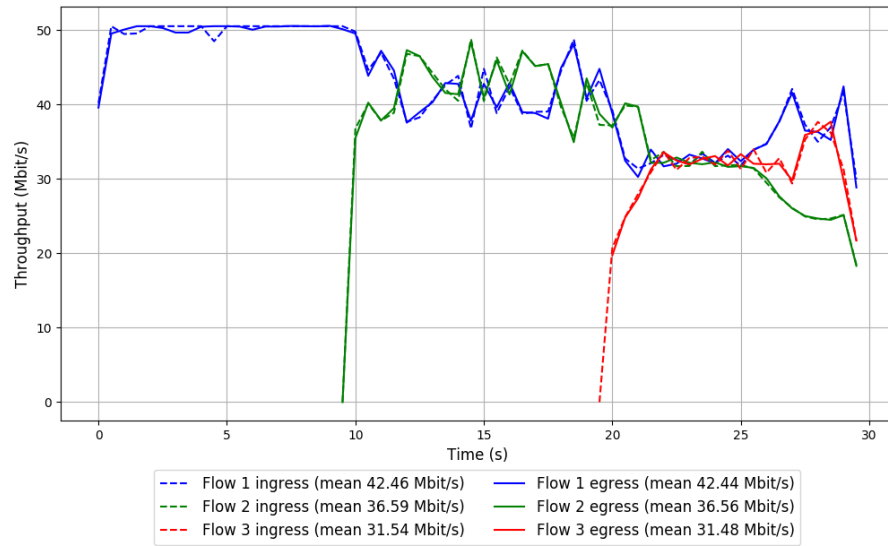


Run 3: Statistics of Sprout

Start at: 2017-12-20 05:30:52
End at: 2017-12-20 05:31:22
Local clock offset: -0.008 ms
Remote clock offset: 0.319 ms

```
# Below is generated by plot.py at 2017-12-20 10:44:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 21.148 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 19.651 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 21.872 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 23.109 ms
Loss rate: 0.26%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-12-20 05:47:52

End at: 2017-12-20 05:48:22

Local clock offset: 0.03 ms

Remote clock offset: 0.529 ms

Below is generated by plot.py at 2017-12-20 10:44:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 19.563 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 18.841 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 19.472 ms

Loss rate: 0.06%

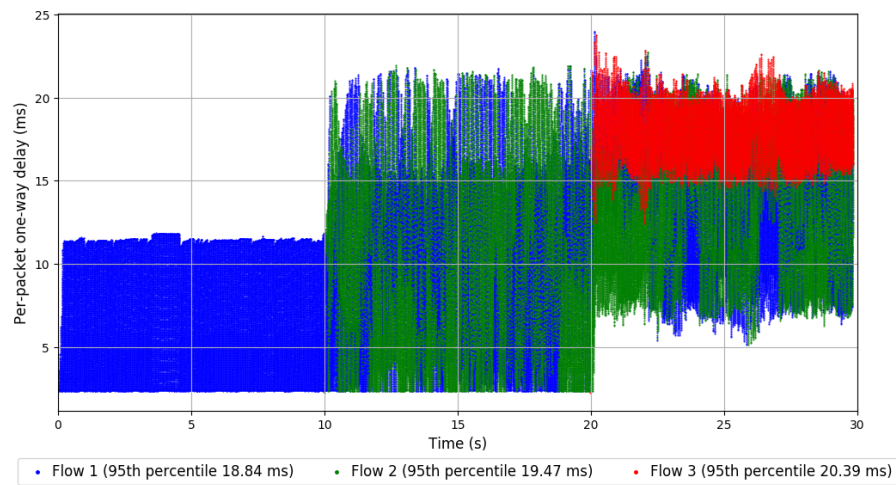
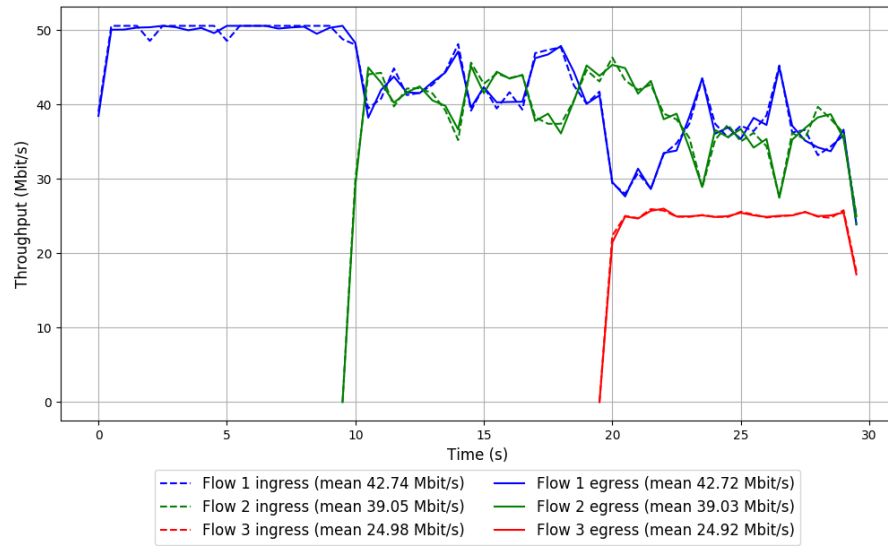
-- Flow 3:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 20.388 ms

Loss rate: 0.28%

Run 4: Report of Sprout — Data Link

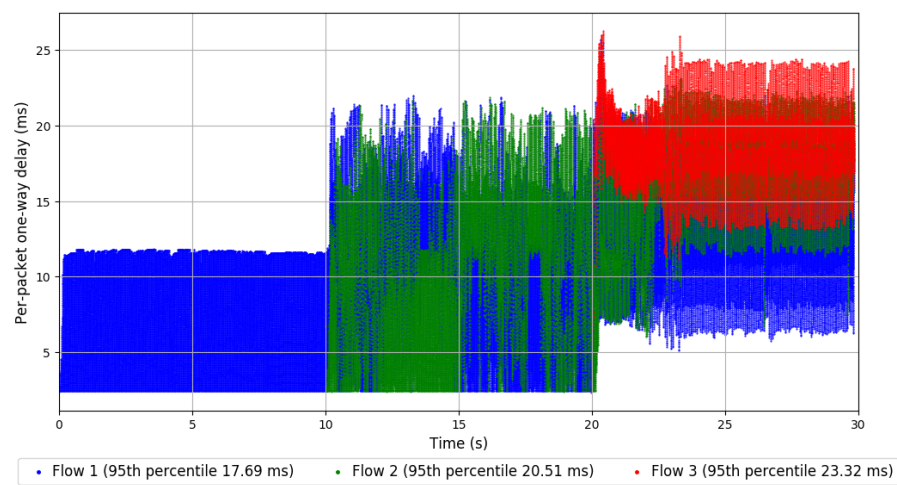
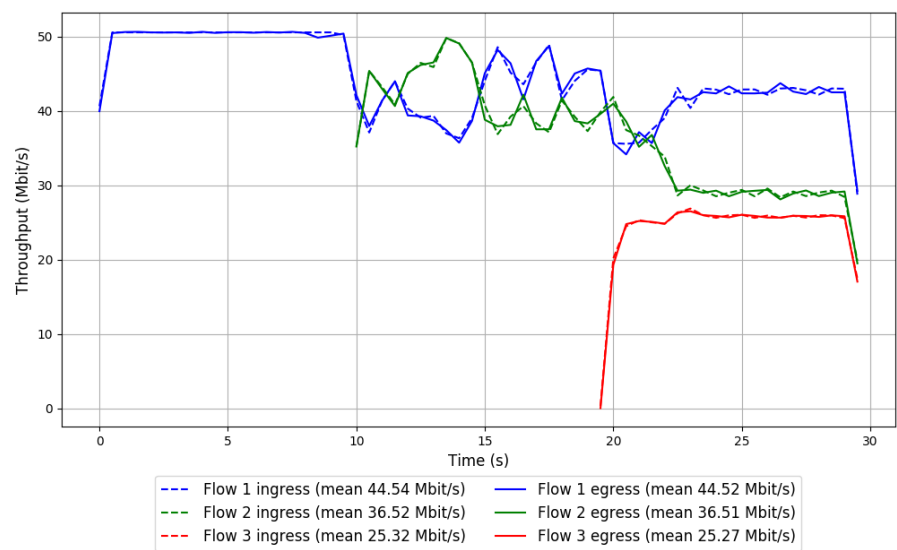


Run 5: Statistics of Sprout

Start at: 2017-12-20 06:04:50
End at: 2017-12-20 06:05:20
Local clock offset: 0.042 ms
Remote clock offset: 0.67 ms

Below is generated by plot.py at 2017-12-20 10:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 20.333 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 17.686 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 20.514 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 23.315 ms
Loss rate: 0.26%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-12-20 06:21:49

End at: 2017-12-20 06:22:19

Local clock offset: 0.06 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2017-12-20 10:44:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.97 Mbit/s

95th percentile per-packet one-way delay: 19.760 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 41.99 Mbit/s

95th percentile per-packet one-way delay: 18.886 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 19.057 ms

Loss rate: 0.12%

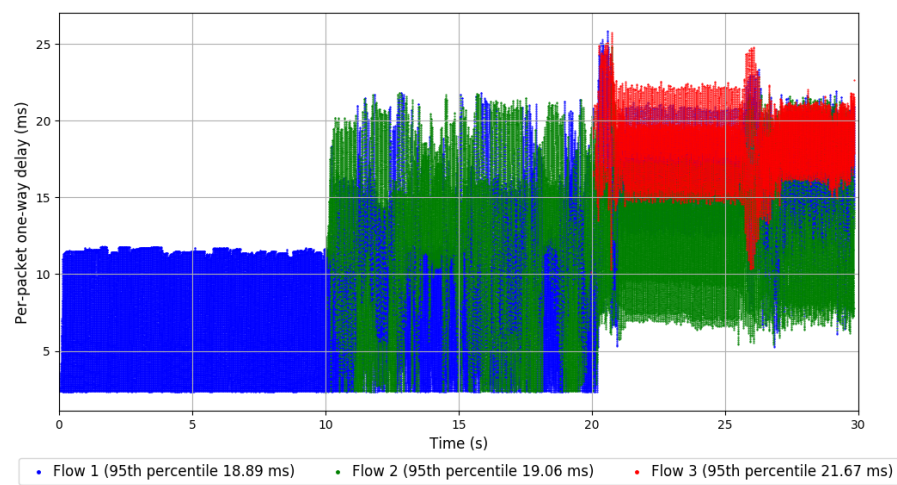
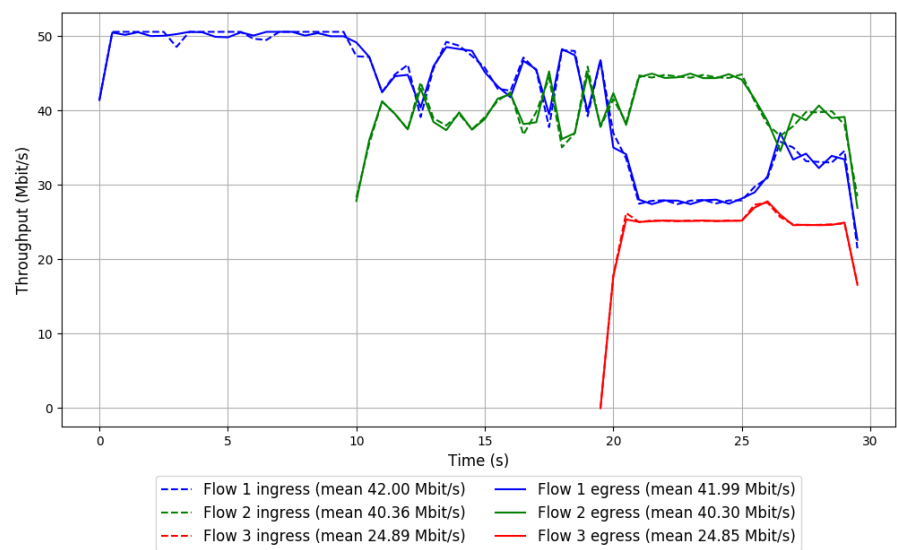
-- Flow 3:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 21.672 ms

Loss rate: 0.23%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-12-20 06:38:47

End at: 2017-12-20 06:39:17

Local clock offset: 0.055 ms

Remote clock offset: 0.836 ms

Below is generated by plot.py at 2017-12-20 10:44:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 19.748 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 18.497 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 19.723 ms

Loss rate: 0.00%

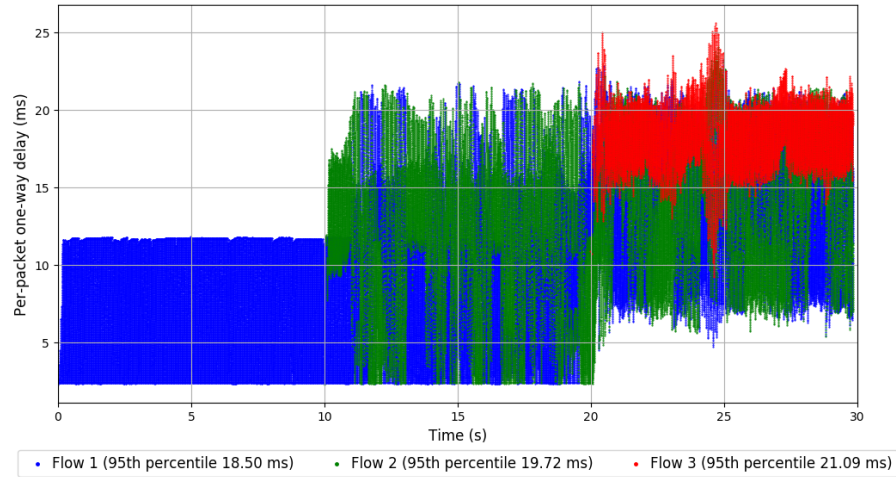
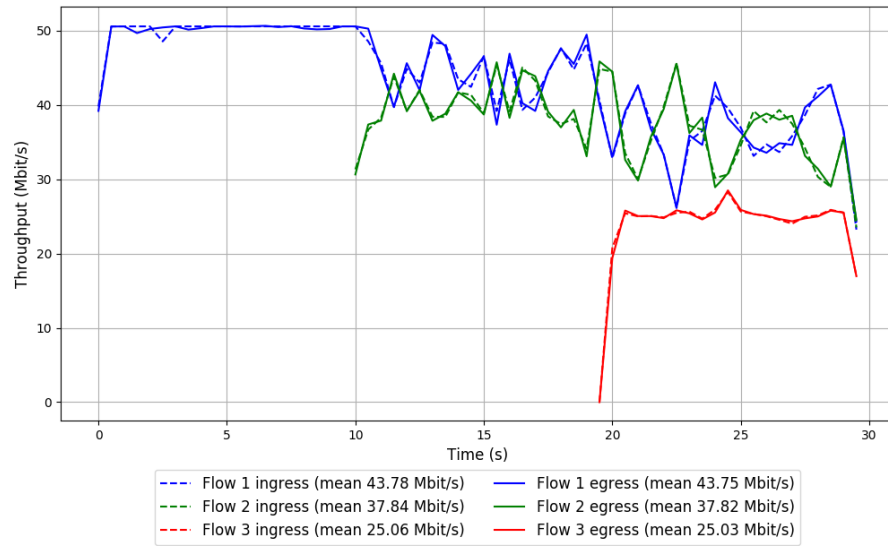
-- Flow 3:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 21.094 ms

Loss rate: 0.20%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-12-20 06:55:46

End at: 2017-12-20 06:56:16

Local clock offset: 0.056 ms

Remote clock offset: 0.746 ms

Below is generated by plot.py at 2017-12-20 10:44:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 19.653 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 18.960 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 19.429 ms

Loss rate: 0.04%

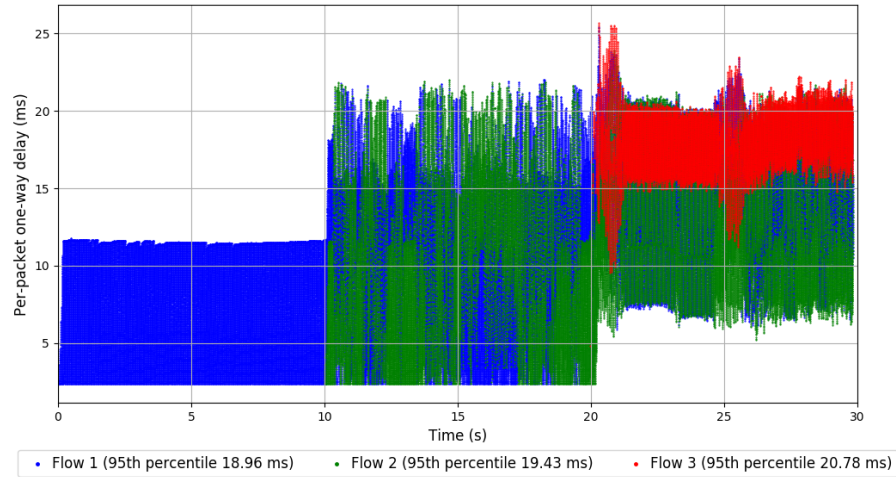
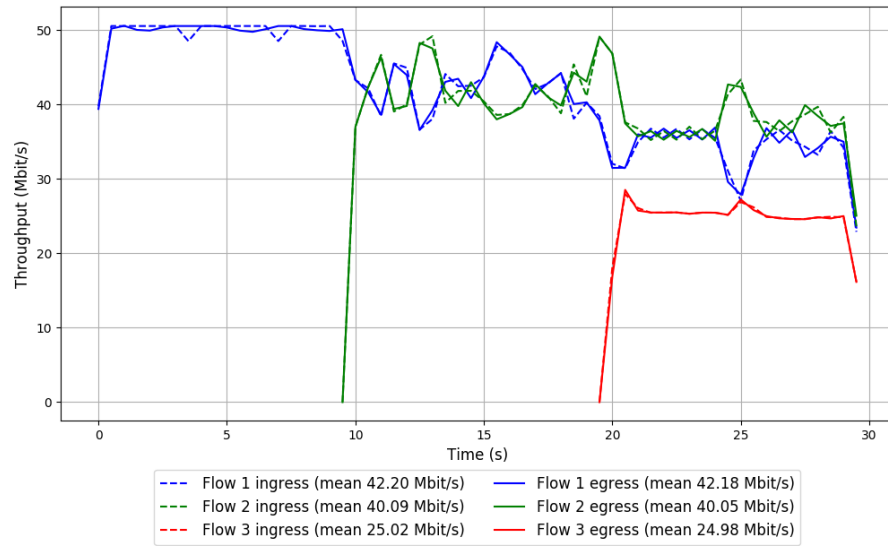
-- Flow 3:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 20.777 ms

Loss rate: 0.21%

Run 8: Report of Sprout — Data Link

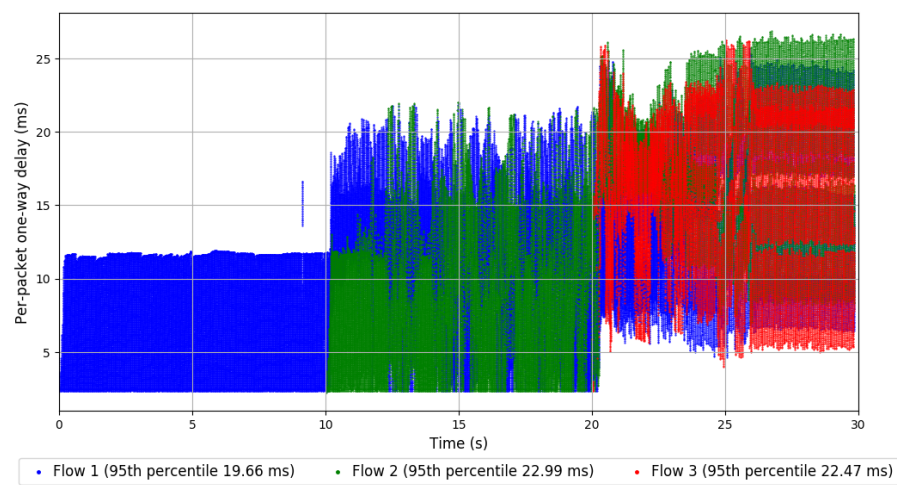
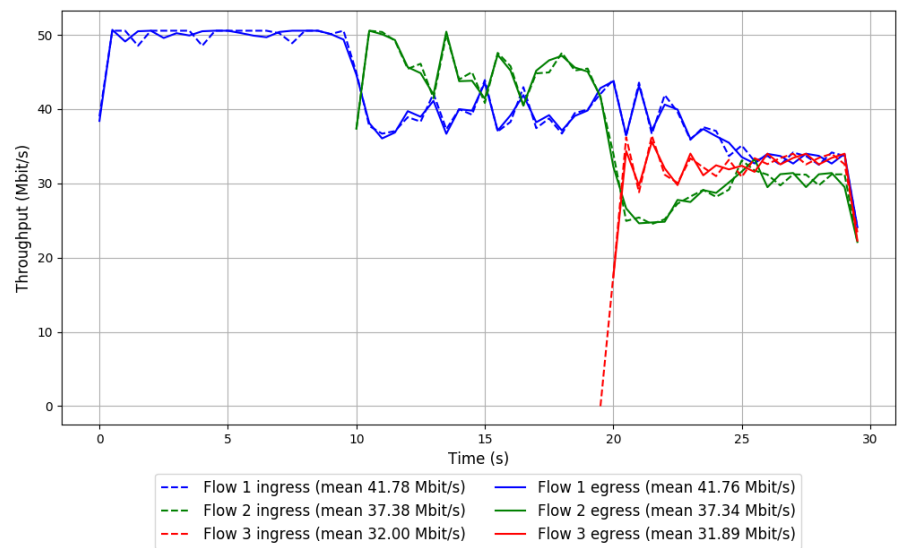


Run 9: Statistics of Sprout

Start at: 2017-12-20 07:12:47
End at: 2017-12-20 07:13:17
Local clock offset: 0.044 ms
Remote clock offset: 0.631 ms

Below is generated by plot.py at 2017-12-20 10:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 21.639 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 22.992 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 22.466 ms
Loss rate: 0.27%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-12-20 07:29:48

End at: 2017-12-20 07:30:18

Local clock offset: 0.035 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2017-12-20 10:45:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 19.922 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 19.310 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 19.559 ms

Loss rate: 0.02%

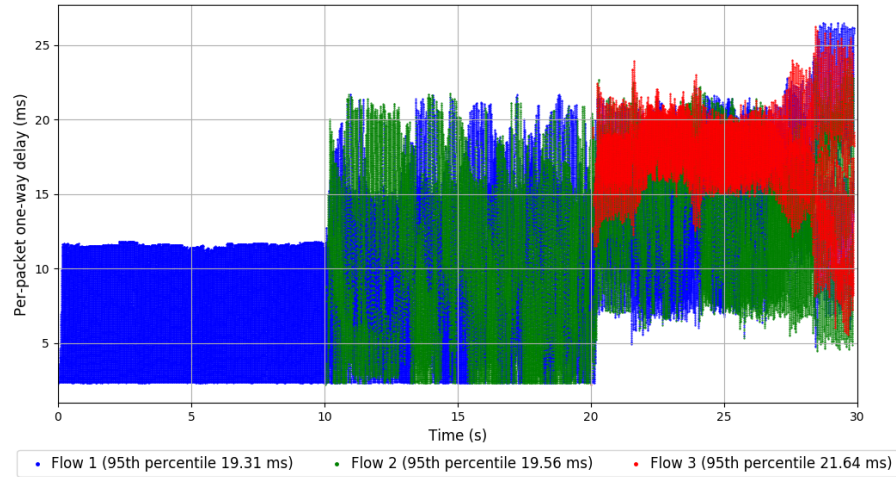
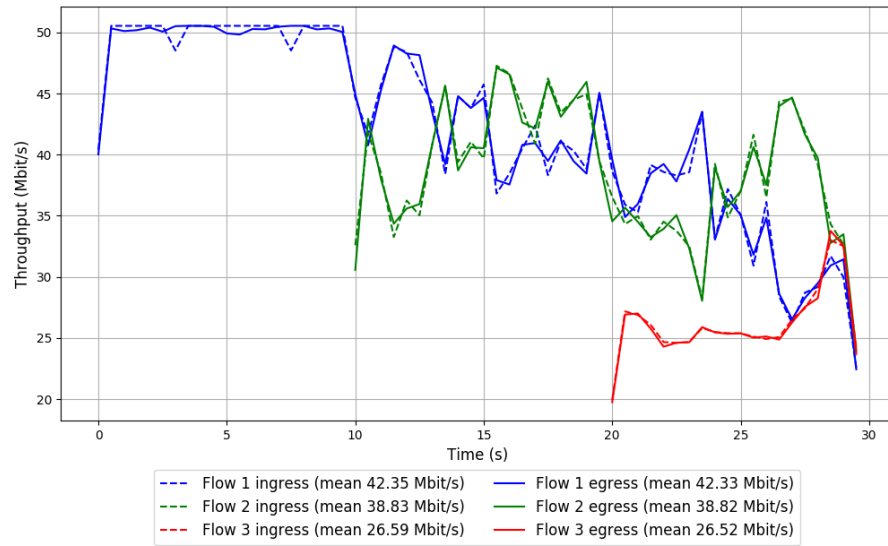
-- Flow 3:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 21.637 ms

Loss rate: 0.31%

Run 10: Report of Sprout — Data Link

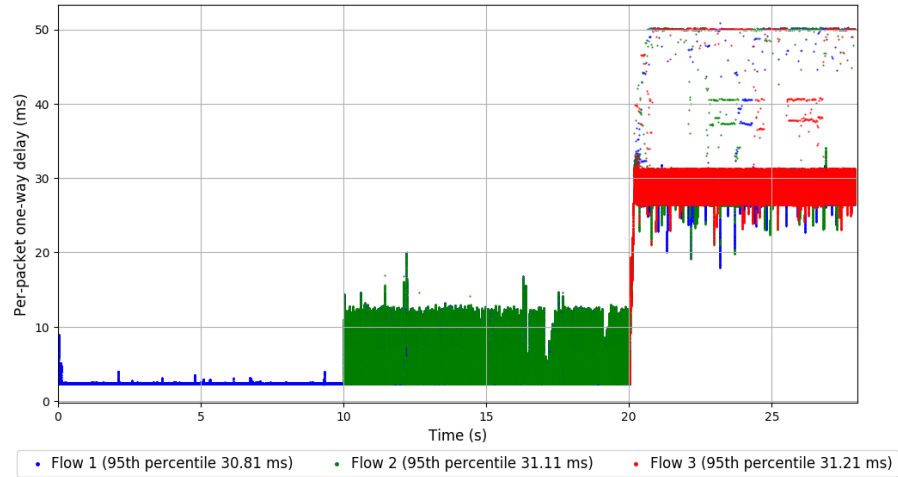
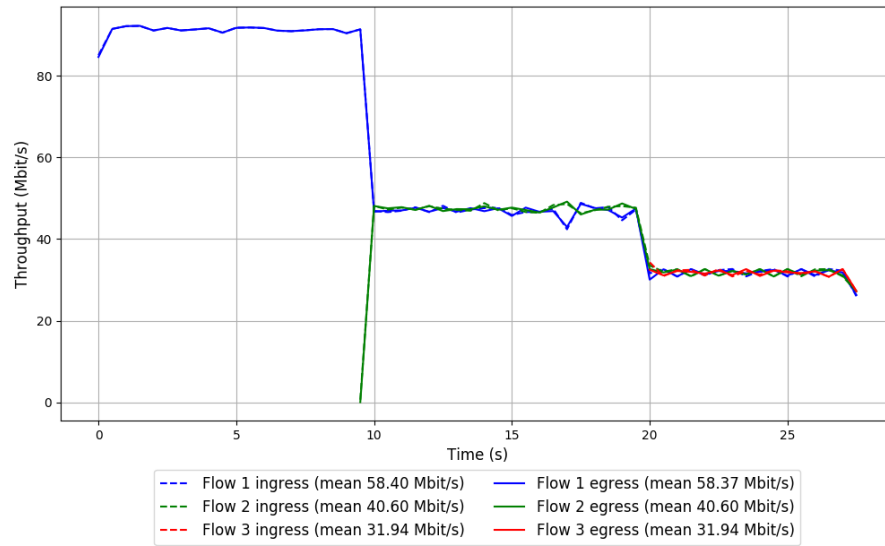


Run 1: Statistics of TaoVA-100x

Start at: 2017-12-20 05:03:37
End at: 2017-12-20 05:04:07
Local clock offset: -0.072 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2017-12-20 10:46:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 31.102 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 30.810 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.36%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-20 05:20:37

End at: 2017-12-20 05:21:07

Local clock offset: -0.009 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2017-12-20 10:46:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 29.637 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 31.133 ms

Loss rate: 0.13%

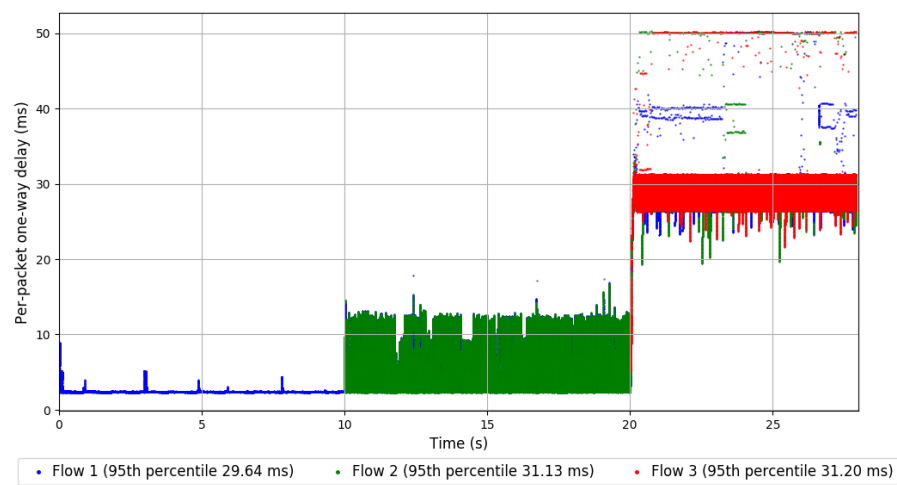
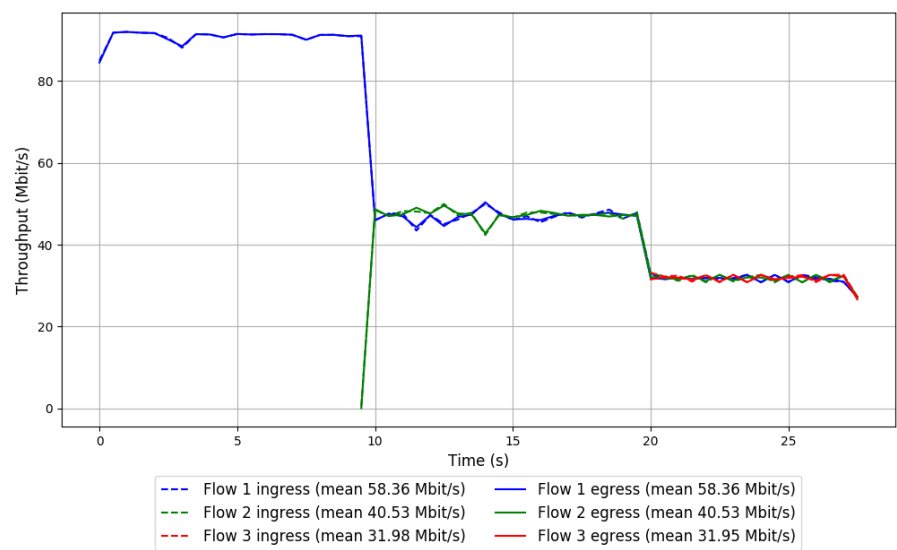
-- Flow 3:

Average throughput: 31.95 Mbit/s

95th percentile per-packet one-way delay: 31.203 ms

Loss rate: 0.55%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2017-12-20 05:37:37

End at: 2017-12-20 05:38:07

Local clock offset: -0.054 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2017-12-20 10:46:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 31.024 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 30.184 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 31.044 ms

Loss rate: 0.13%

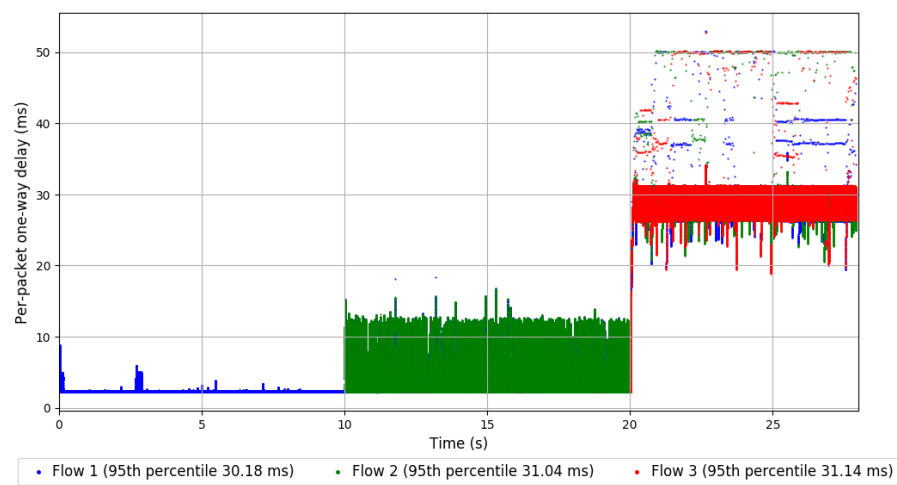
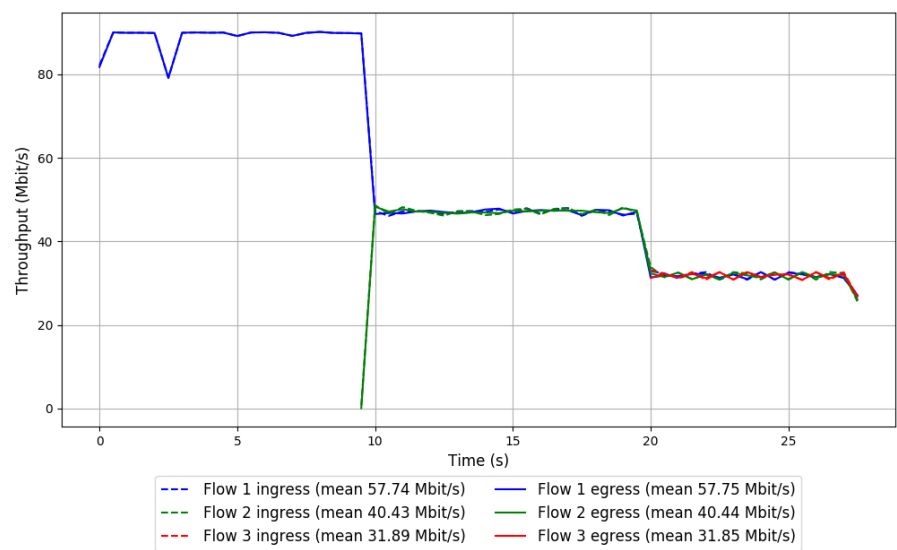
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 31.145 ms

Loss rate: 0.36%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2017-12-20 05:54:36

End at: 2017-12-20 05:55:06

Local clock offset: -0.037 ms

Remote clock offset: 0.55 ms

Below is generated by plot.py at 2017-12-20 10:46:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 30.763 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 31.118 ms

Loss rate: 0.13%

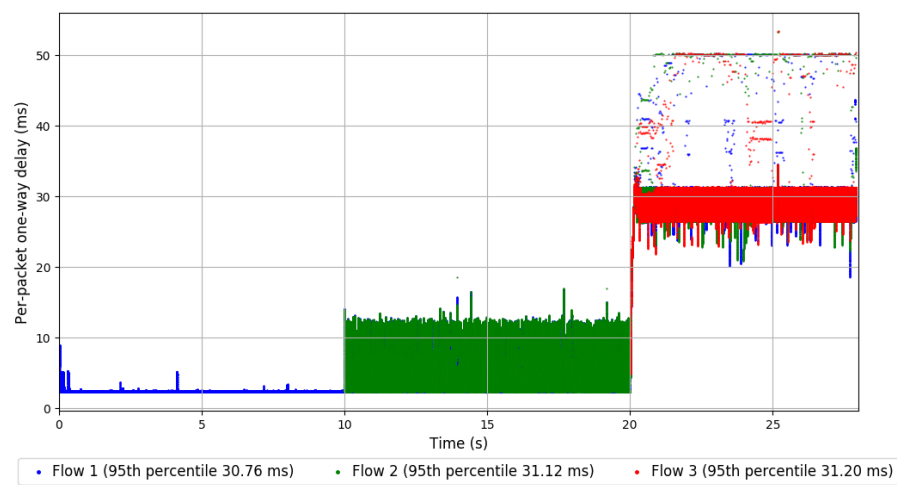
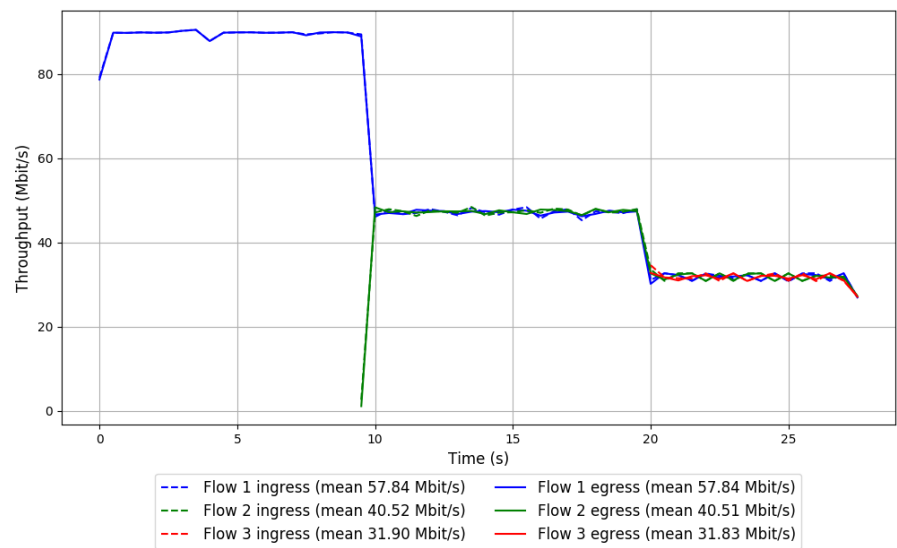
-- Flow 3:

Average throughput: 31.83 Mbit/s

95th percentile per-packet one-way delay: 31.199 ms

Loss rate: 0.37%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2017-12-20 06:11:35

End at: 2017-12-20 06:12:05

Local clock offset: 0.062 ms

Remote clock offset: 0.697 ms

Below is generated by plot.py at 2017-12-20 10:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 31.171 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 30.204 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 31.202 ms

Loss rate: 0.15%

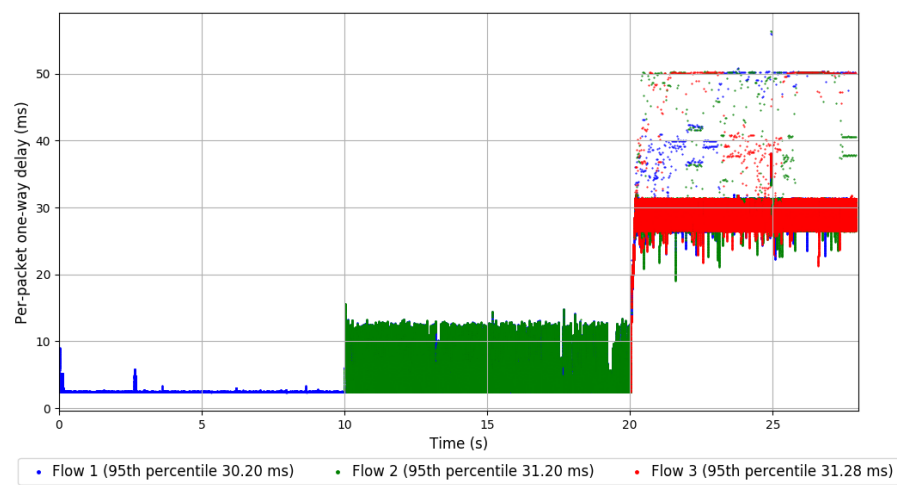
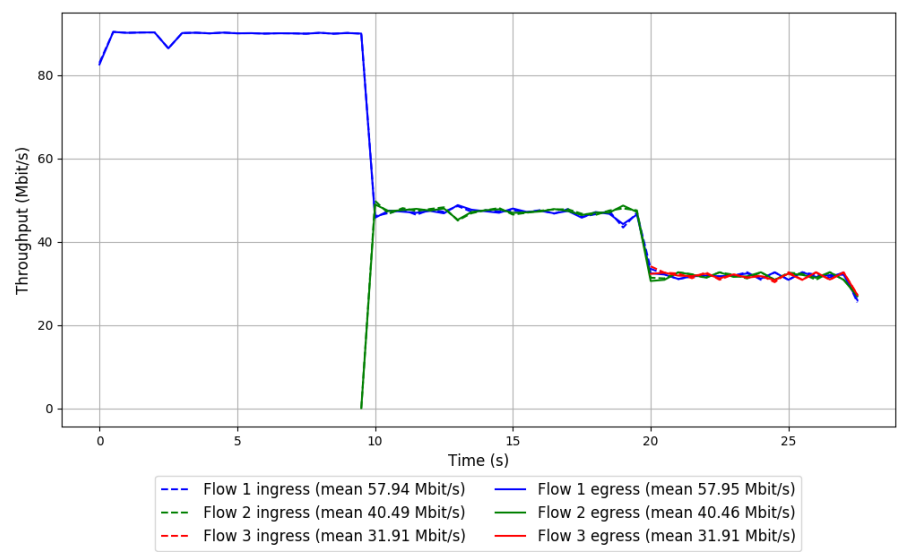
-- Flow 3:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 31.284 ms

Loss rate: 0.36%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-20 06:28:33

End at: 2017-12-20 06:29:03

Local clock offset: -0.003 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2017-12-20 10:46:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.01 Mbit/s

95th percentile per-packet one-way delay: 31.066 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 29.477 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.19%

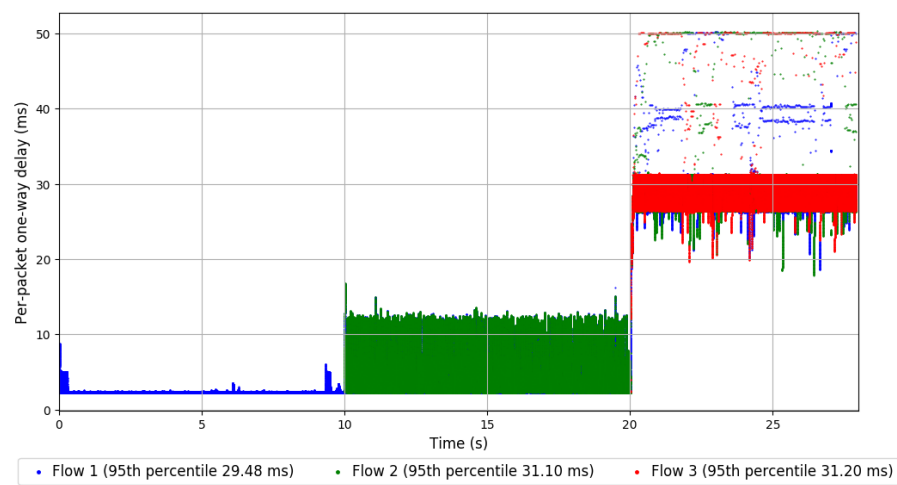
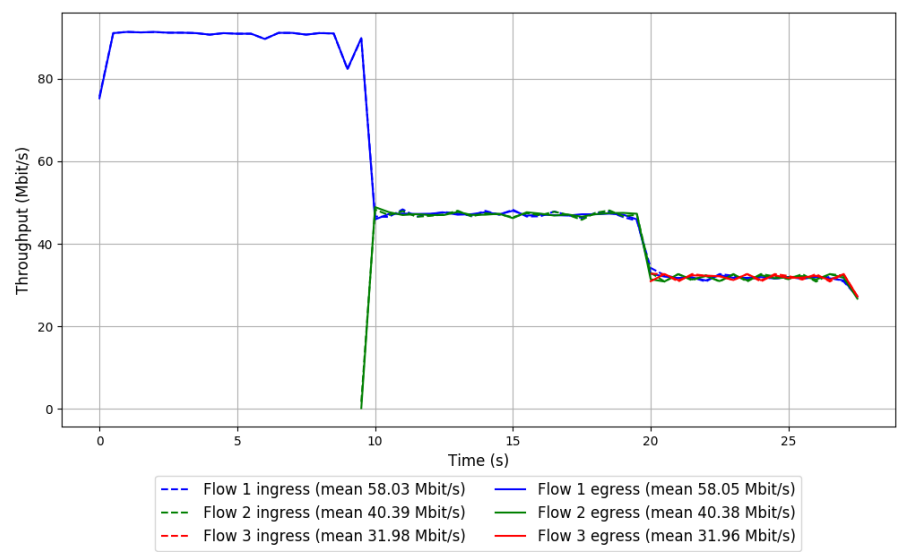
-- Flow 3:

Average throughput: 31.96 Mbit/s

95th percentile per-packet one-way delay: 31.200 ms

Loss rate: 0.36%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2017-12-20 06:45:31

End at: 2017-12-20 06:46:01

Local clock offset: 0.058 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2017-12-20 10:47:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 31.089 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 30.650 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 31.094 ms

Loss rate: 0.13%

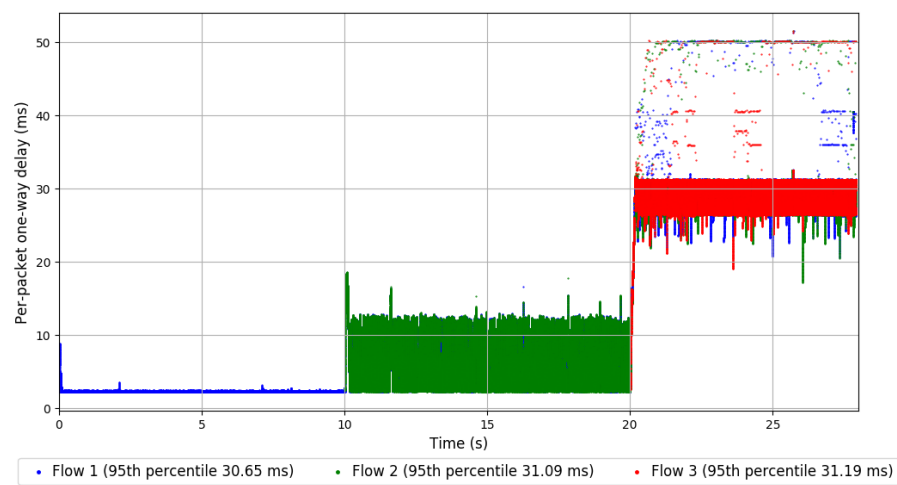
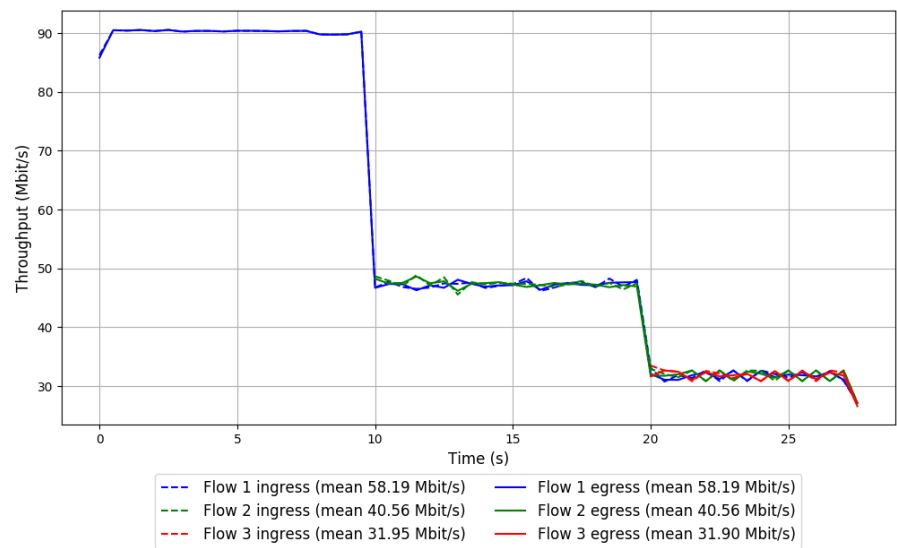
-- Flow 3:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 31.186 ms

Loss rate: 0.54%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2017-12-20 07:02:31

End at: 2017-12-20 07:03:01

Local clock offset: 0.03 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2017-12-20 10:47:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 31.103 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 30.460 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.55 Mbit/s

95th percentile per-packet one-way delay: 30.762 ms

Loss rate: 0.07%

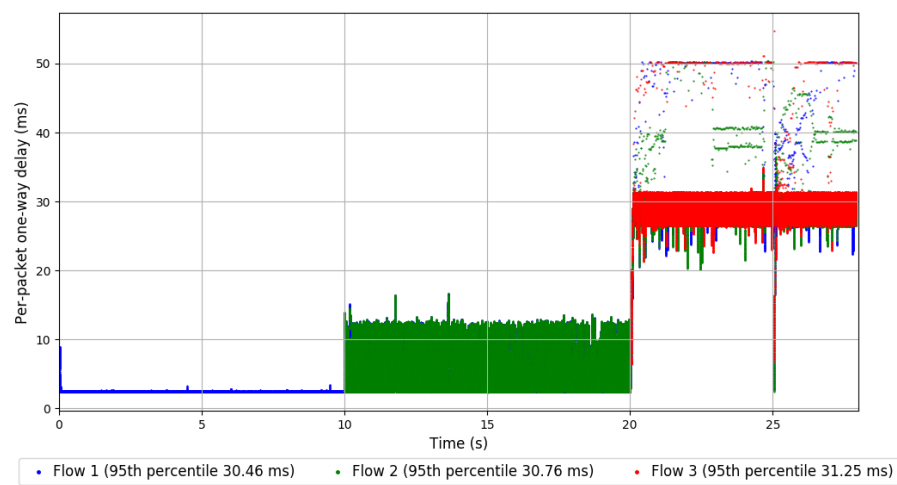
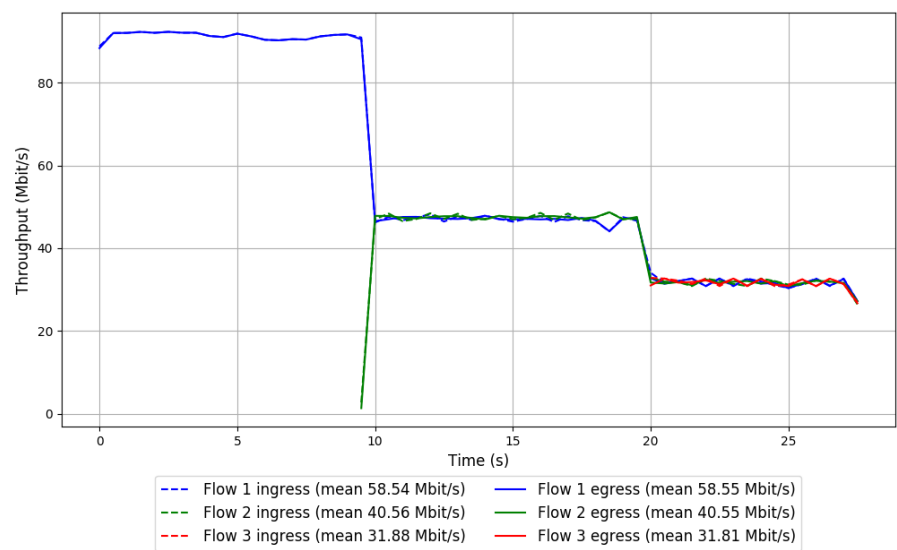
-- Flow 3:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 31.248 ms

Loss rate: 0.41%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-20 07:19:31

End at: 2017-12-20 07:20:01

Local clock offset: 0.038 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2017-12-20 10:48:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 31.099 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 30.785 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 31.115 ms

Loss rate: 0.13%

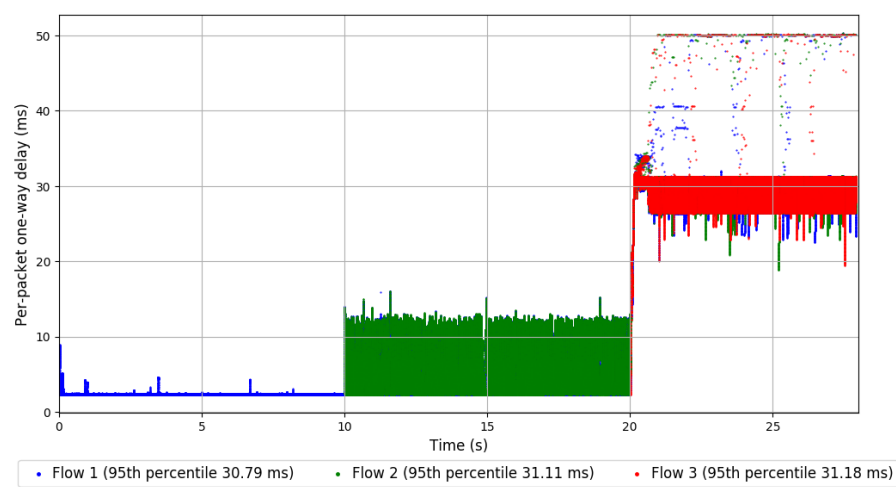
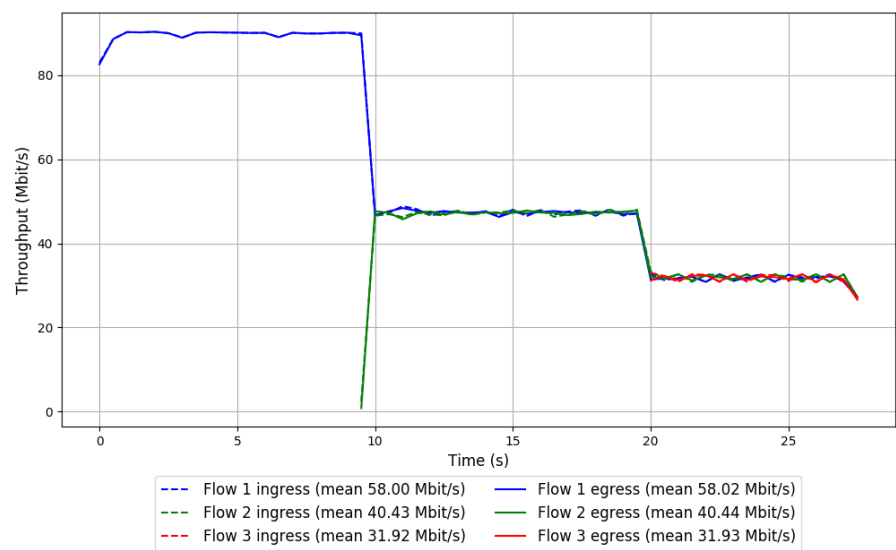
-- Flow 3:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 31.180 ms

Loss rate: 0.36%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-20 07:36:33

End at: 2017-12-20 07:37:03

Local clock offset: 0.027 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2017-12-20 10:48:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 31.109 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 30.426 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 31.141 ms

Loss rate: 0.13%

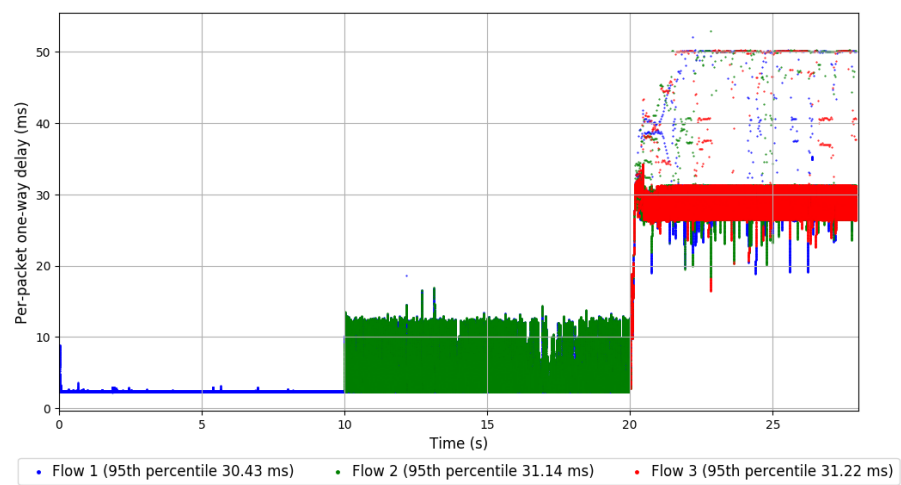
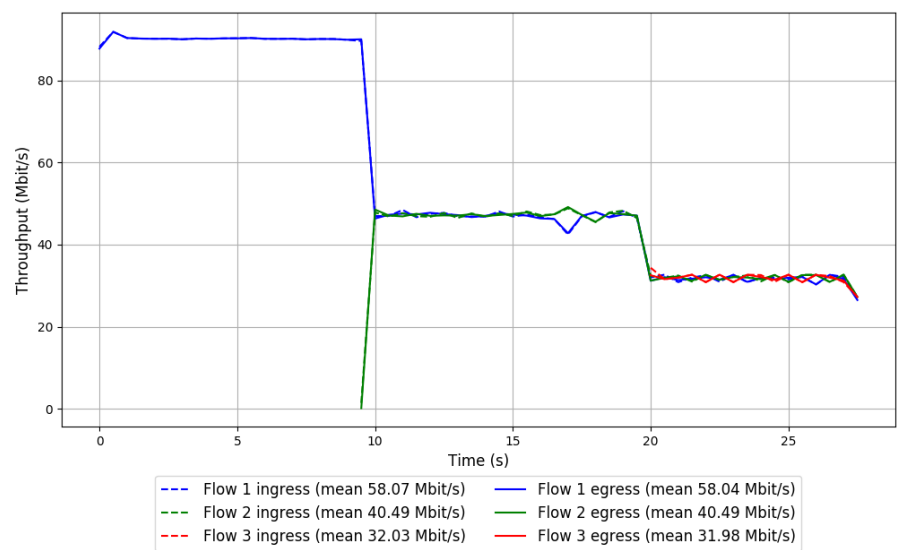
-- Flow 3:

Average throughput: 31.98 Mbit/s

95th percentile per-packet one-way delay: 31.217 ms

Loss rate: 0.36%

Run 10: Report of TaoVA-100x — Data Link

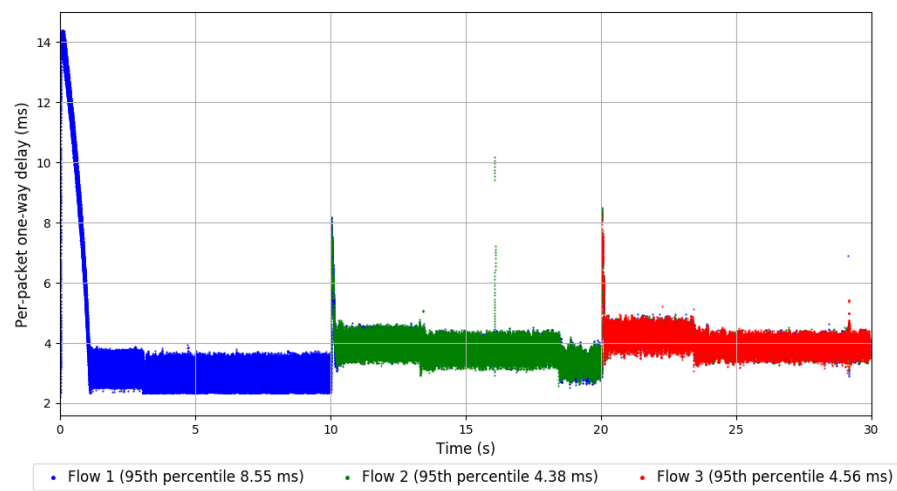
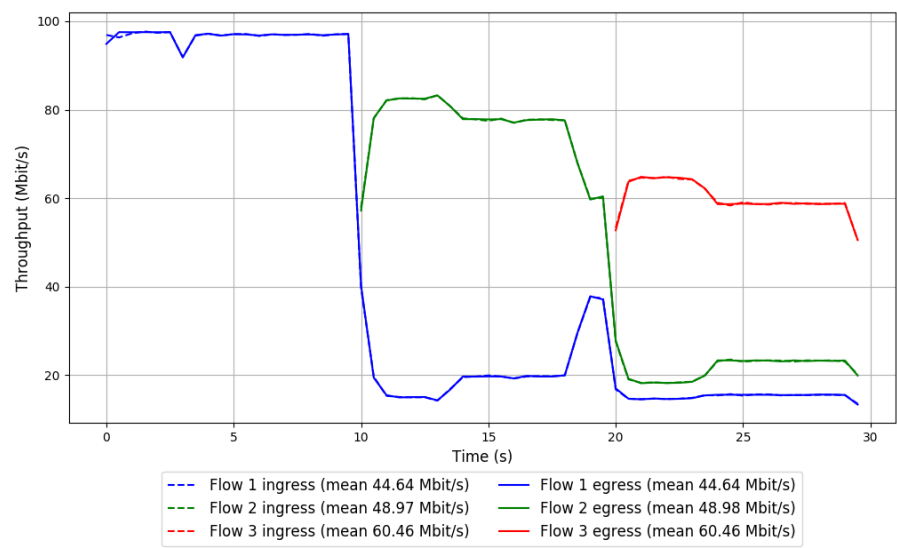


Run 1: Statistics of TCP Vegas

Start at: 2017-12-20 05:05:55
End at: 2017-12-20 05:06:25
Local clock offset: -0.064 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2017-12-20 10:48:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.599 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 8.550 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 4.377 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.46 Mbit/s
95th percentile per-packet one-way delay: 4.557 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-12-20 05:22:55

End at: 2017-12-20 05:23:25

Local clock offset: -0.012 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2017-12-20 10:48:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 4.449 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 7.327 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 4.331 ms

Loss rate: 0.02%

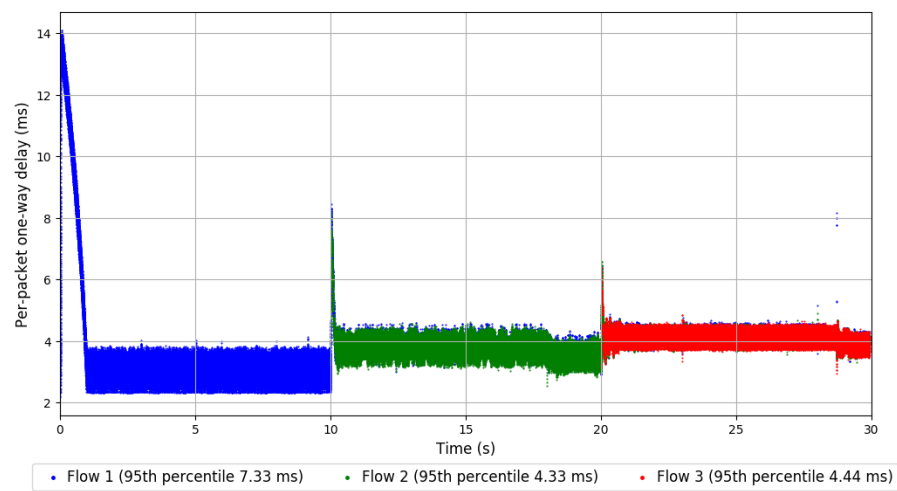
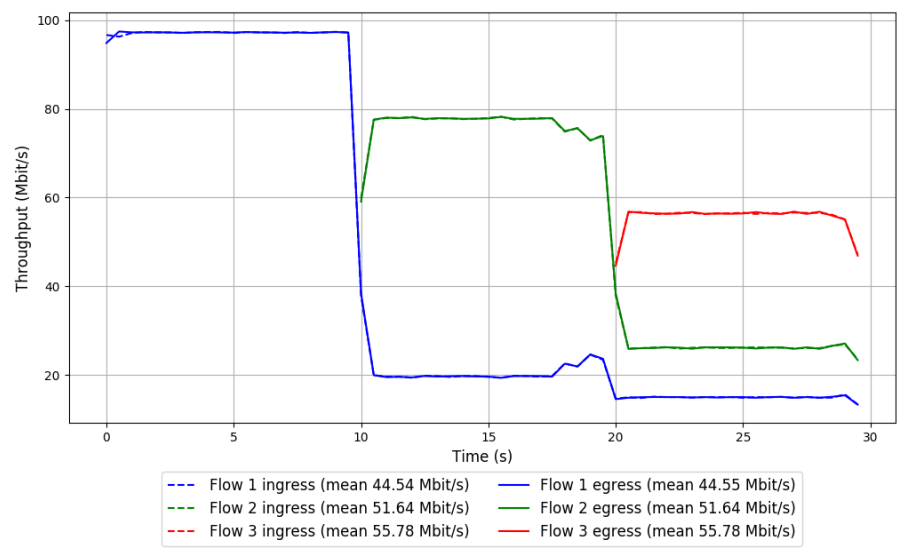
-- Flow 3:

Average throughput: 55.78 Mbit/s

95th percentile per-packet one-way delay: 4.441 ms

Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-20 05:39:55

End at: 2017-12-20 05:40:25

Local clock offset: 0.018 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2017-12-20 10:48:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 4.713 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 8.150 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 4.462 ms

Loss rate: 0.02%

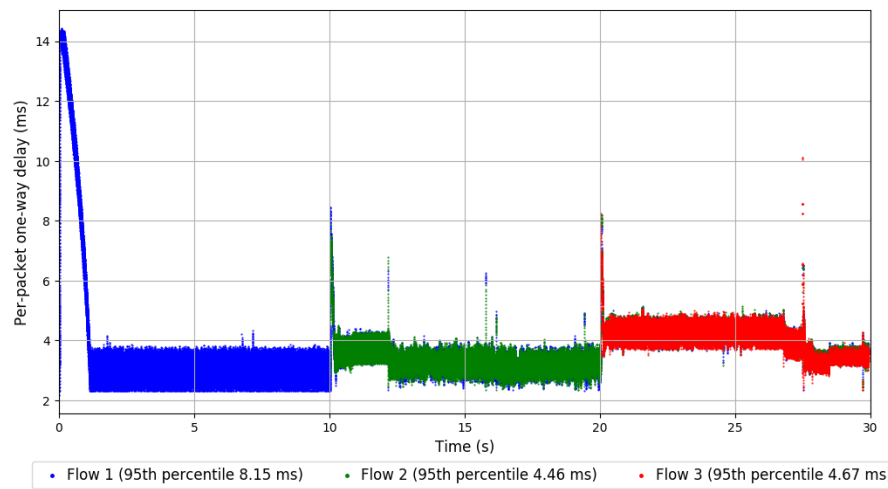
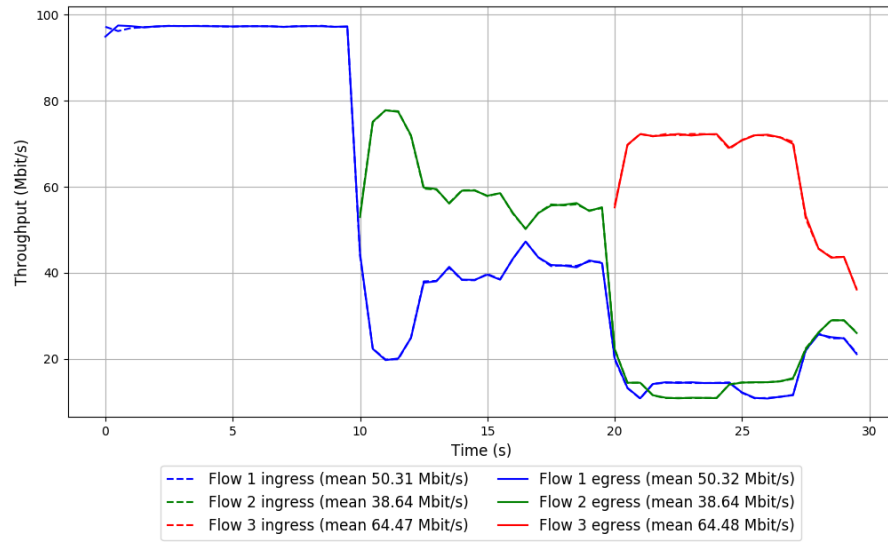
-- Flow 3:

Average throughput: 64.48 Mbit/s

95th percentile per-packet one-way delay: 4.667 ms

Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-20 05:56:55

End at: 2017-12-20 05:57:25

Local clock offset: -0.04 ms

Remote clock offset: 0.656 ms

Below is generated by plot.py at 2017-12-20 10:48:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 4.852 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 42.37 Mbit/s

95th percentile per-packet one-way delay: 8.033 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 4.770 ms

Loss rate: 0.02%

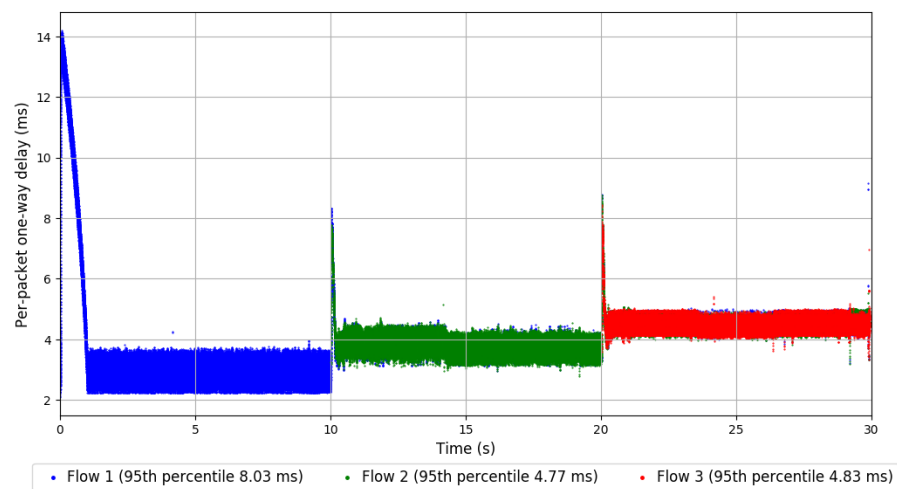
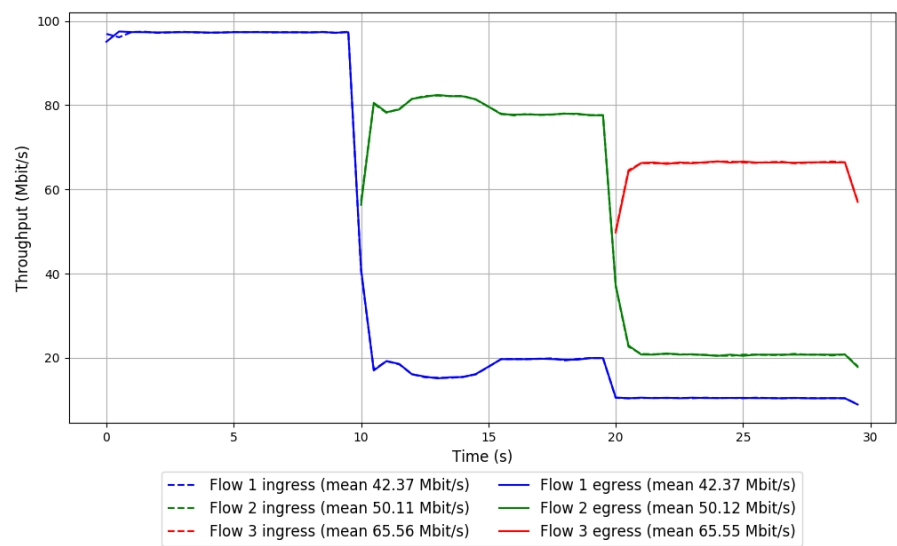
-- Flow 3:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 4.828 ms

Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-12-20 06:13:53

End at: 2017-12-20 06:14:23

Local clock offset: 0.063 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2017-12-20 10:48:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 4.083 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 3.961 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 4.059 ms

Loss rate: 0.02%

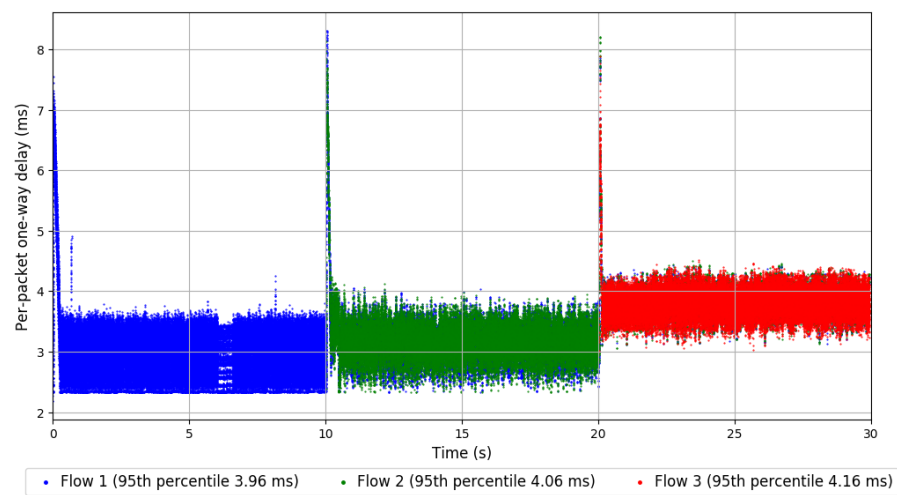
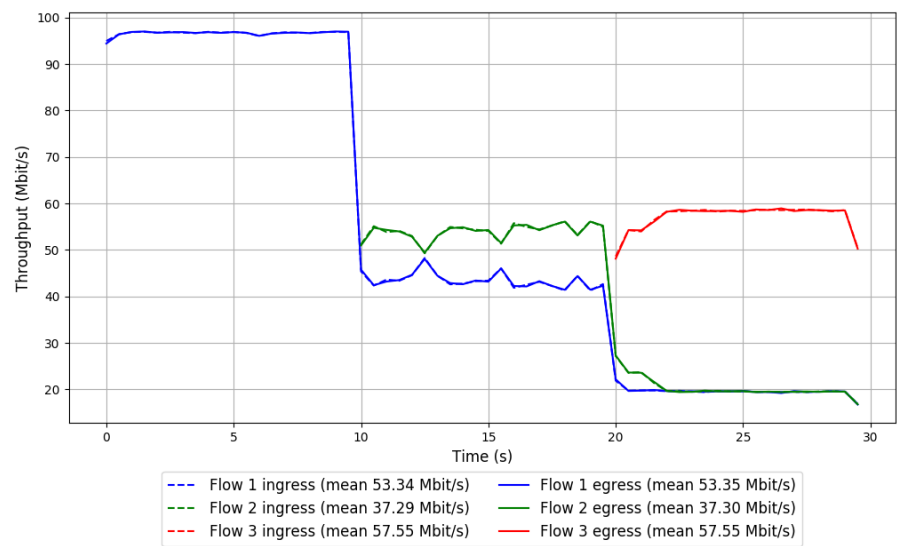
-- Flow 3:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 4.161 ms

Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-12-20 06:30:52

End at: 2017-12-20 06:31:22

Local clock offset: 0.055 ms

Remote clock offset: 0.816 ms

Below is generated by plot.py at 2017-12-20 10:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 4.389 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 3.887 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 4.013 ms

Loss rate: 0.02%

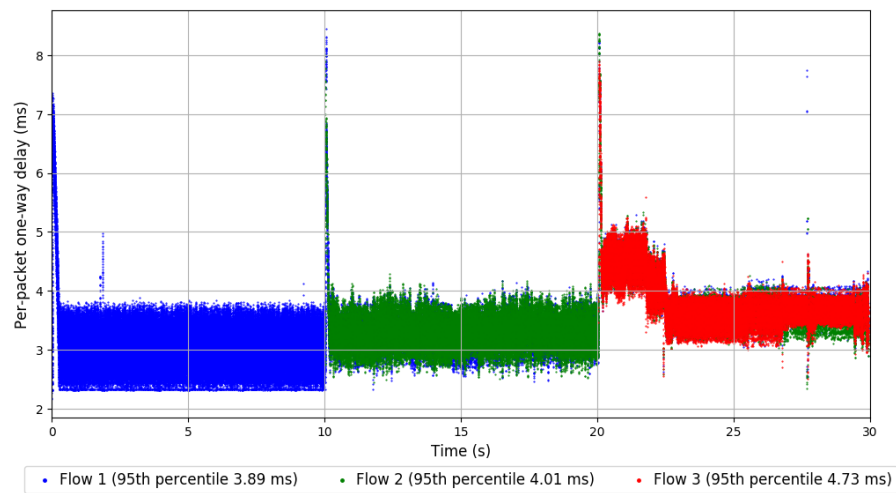
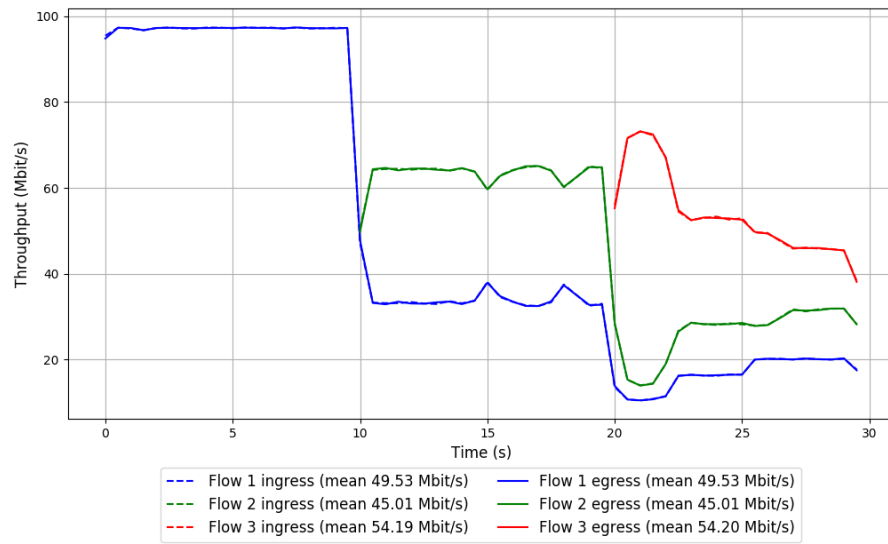
-- Flow 3:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 4.734 ms

Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-12-20 06:47:49

End at: 2017-12-20 06:48:19

Local clock offset: -0.016 ms

Remote clock offset: 0.808 ms

Below is generated by plot.py at 2017-12-20 10:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 5.325 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 43.05 Mbit/s

95th percentile per-packet one-way delay: 10.023 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 48.58 Mbit/s

95th percentile per-packet one-way delay: 5.219 ms

Loss rate: 0.02%

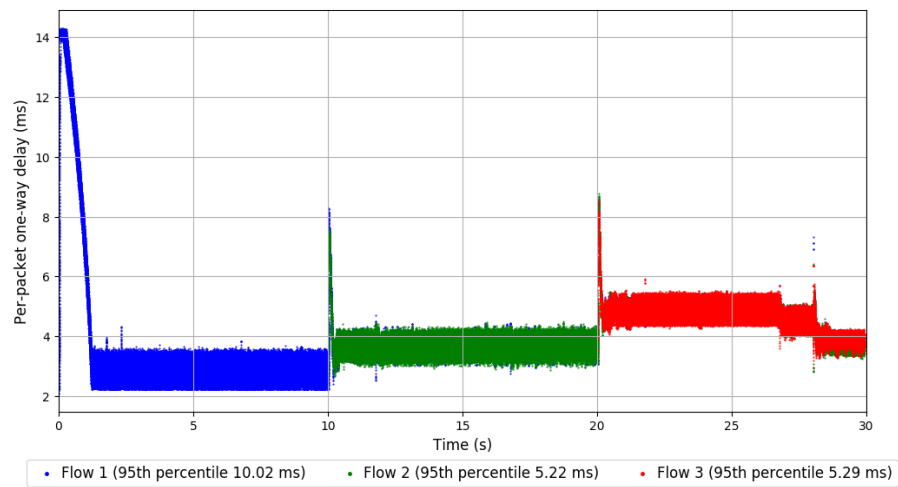
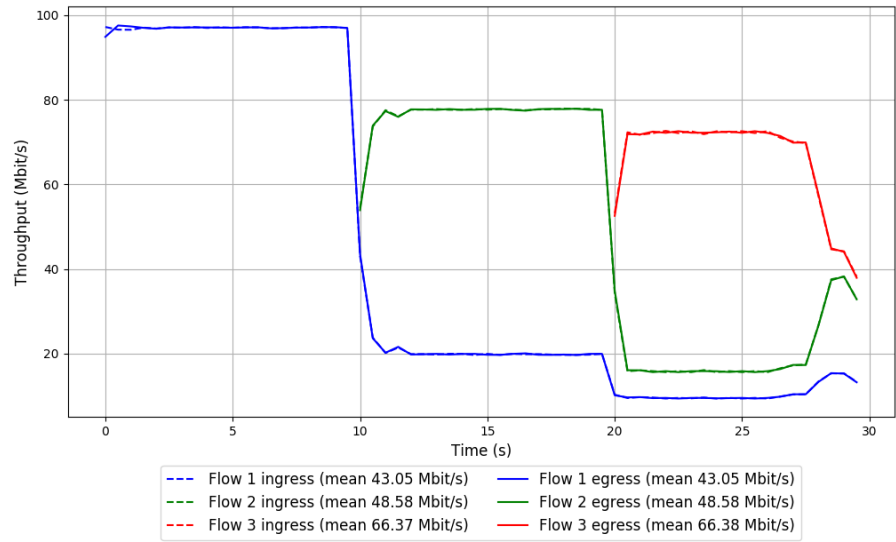
-- Flow 3:

Average throughput: 66.38 Mbit/s

95th percentile per-packet one-way delay: 5.290 ms

Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-12-20 07:04:51

End at: 2017-12-20 07:05:21

Local clock offset: 0.046 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2017-12-20 10:49:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.215 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 7.414 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 41.84 Mbit/s

95th percentile per-packet one-way delay: 4.136 ms

Loss rate: 0.02%

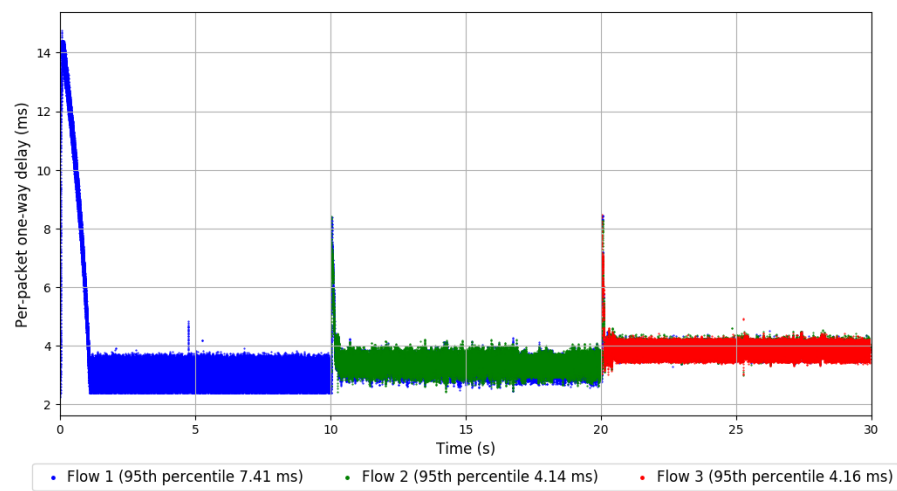
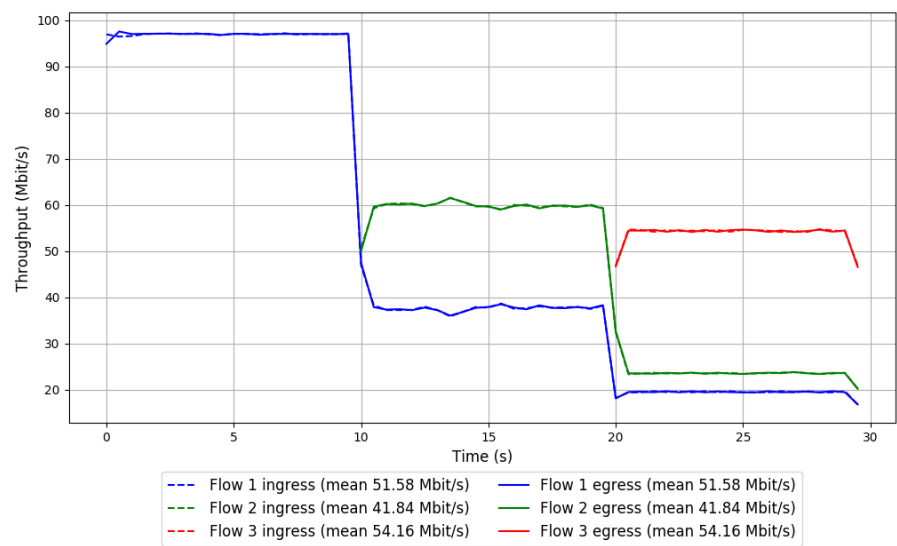
-- Flow 3:

Average throughput: 54.16 Mbit/s

95th percentile per-packet one-way delay: 4.164 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-20 07:21:50

End at: 2017-12-20 07:22:20

Local clock offset: 0.032 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2017-12-20 10:49:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 4.636 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 44.56 Mbit/s

95th percentile per-packet one-way delay: 9.815 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 66.95 Mbit/s

95th percentile per-packet one-way delay: 4.310 ms

Loss rate: 0.02%

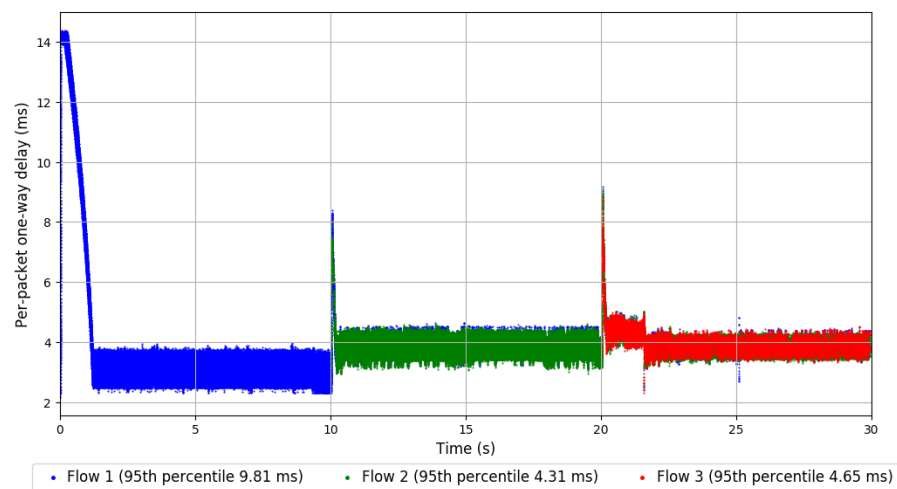
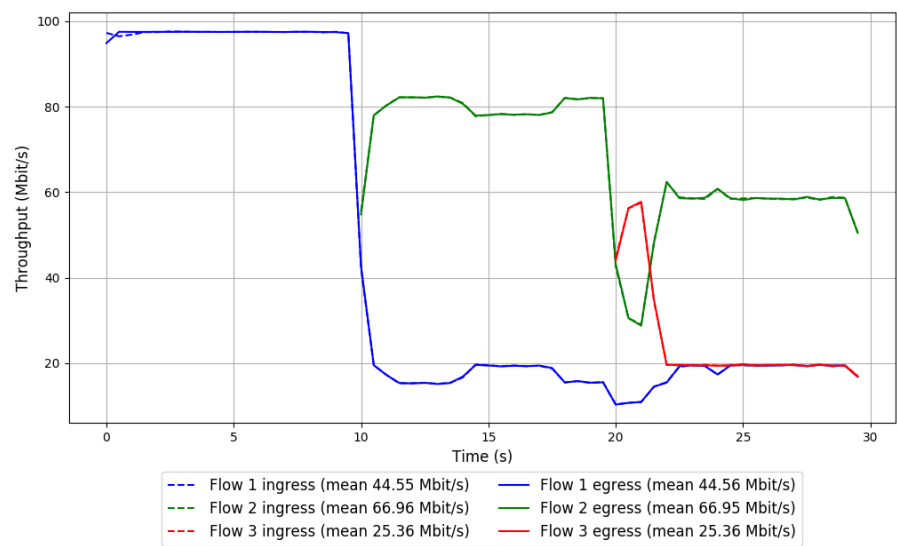
-- Flow 3:

Average throughput: 25.36 Mbit/s

95th percentile per-packet one-way delay: 4.647 ms

Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-12-20 07:38:51

End at: 2017-12-20 07:39:21

Local clock offset: -0.047 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2017-12-20 10:49:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 4.872 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 6.388 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 4.706 ms

Loss rate: 0.01%

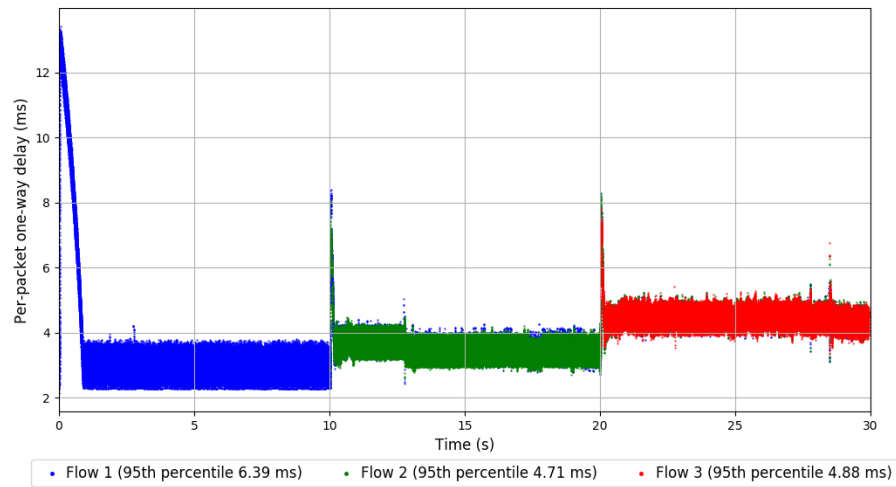
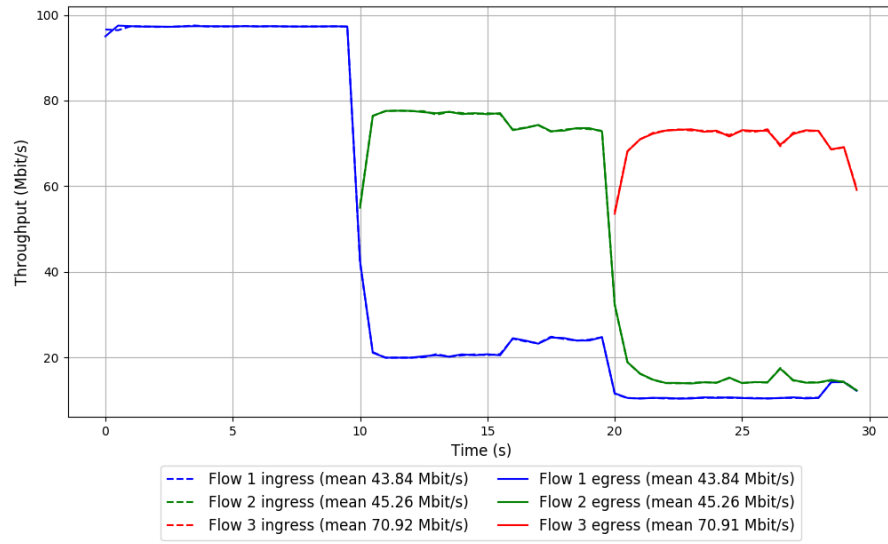
-- Flow 3:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 4.879 ms

Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

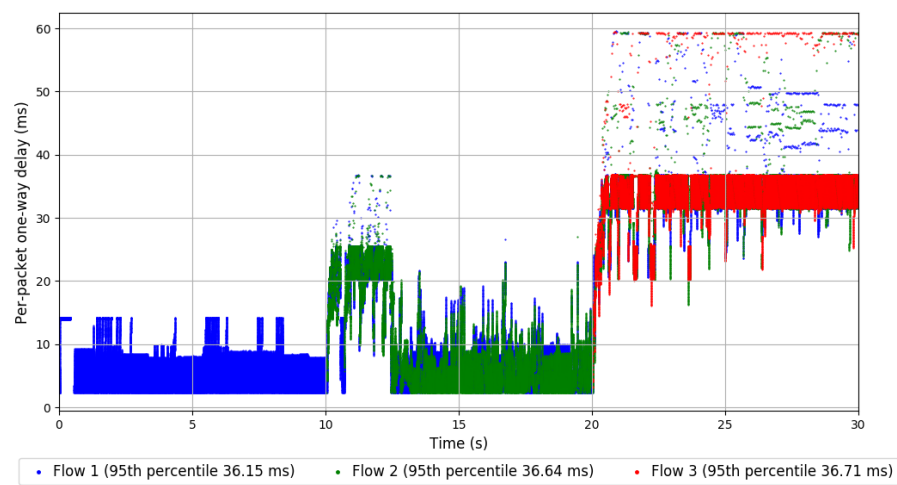
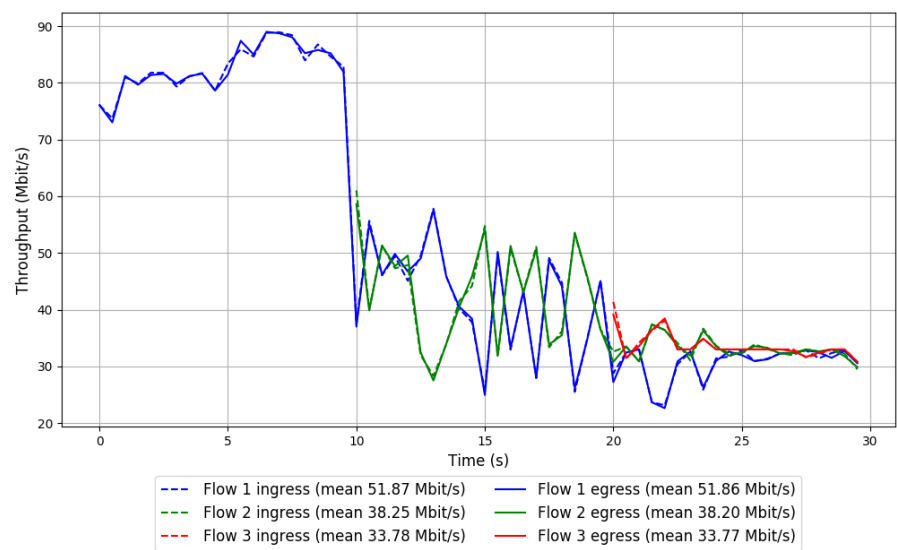


Run 1: Statistics of Verus

Start at: 2017-12-20 05:10:25
End at: 2017-12-20 05:10:55
Local clock offset: -0.097 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2017-12-20 10:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 36.628 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 36.150 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 36.643 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 36.708 ms
Loss rate: 0.33%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-12-20 05:27:25

End at: 2017-12-20 05:27:55

Local clock offset: -0.003 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2017-12-20 10:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 36.625 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 36.487 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 36.647 ms

Loss rate: 0.16%

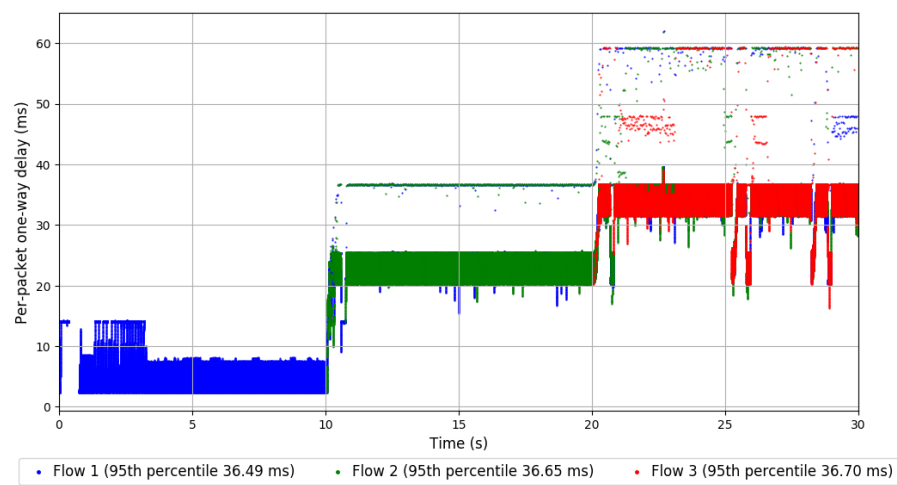
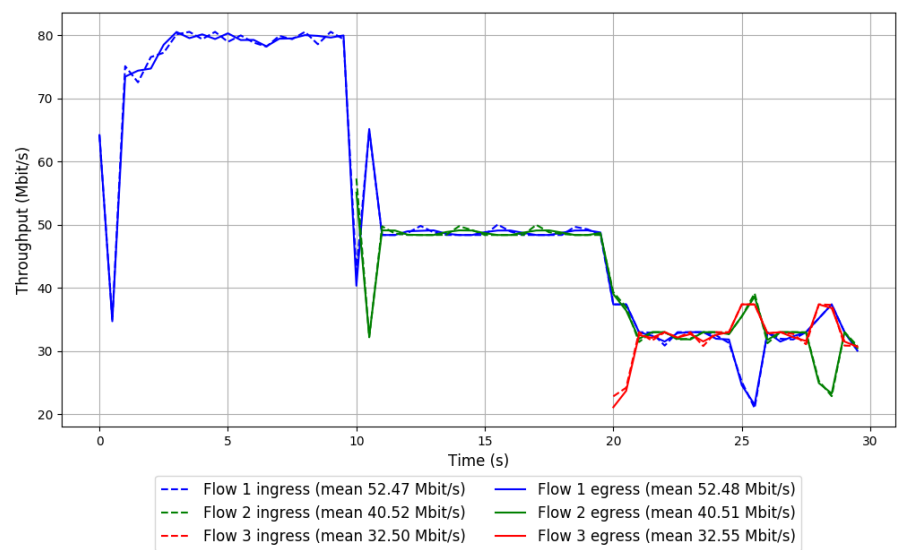
-- Flow 3:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 36.705 ms

Loss rate: 0.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-20 05:44:25

End at: 2017-12-20 05:44:55

Local clock offset: 0.018 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2017-12-20 10:50:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 36.593 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 35.713 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 36.563 ms

Loss rate: 0.19%

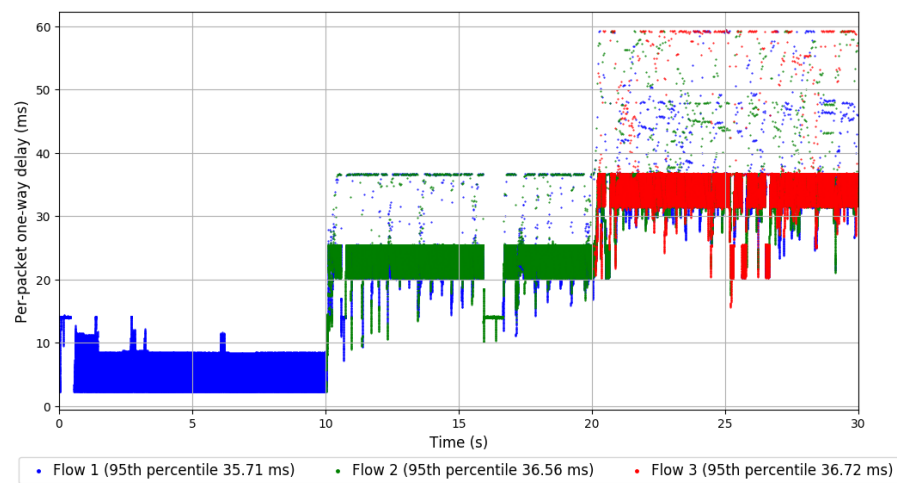
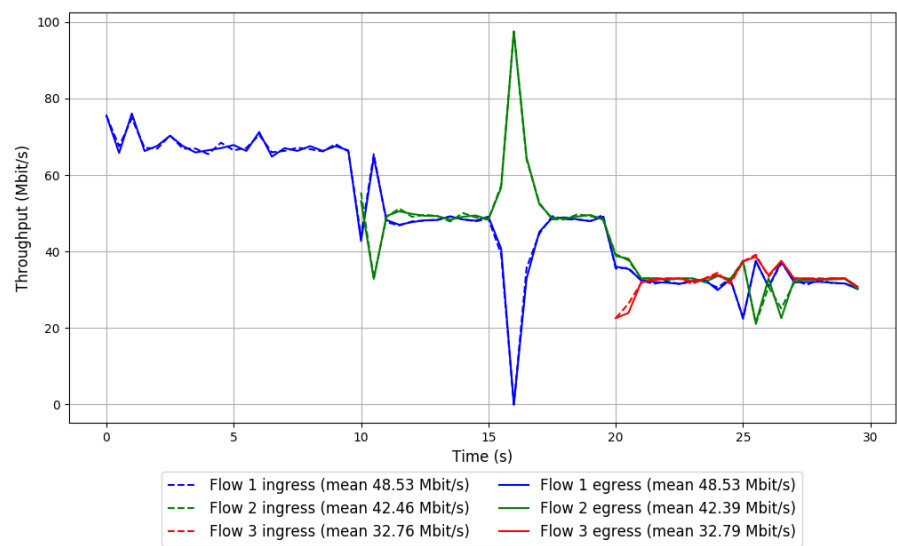
-- Flow 3:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 36.721 ms

Loss rate: 0.34%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-12-20 06:01:25

End at: 2017-12-20 06:01:55

Local clock offset: 0.048 ms

Remote clock offset: 0.701 ms

Below is generated by plot.py at 2017-12-20 10:50:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 36.102 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 34.763 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.95 Mbit/s

95th percentile per-packet one-way delay: 36.359 ms

Loss rate: 0.14%

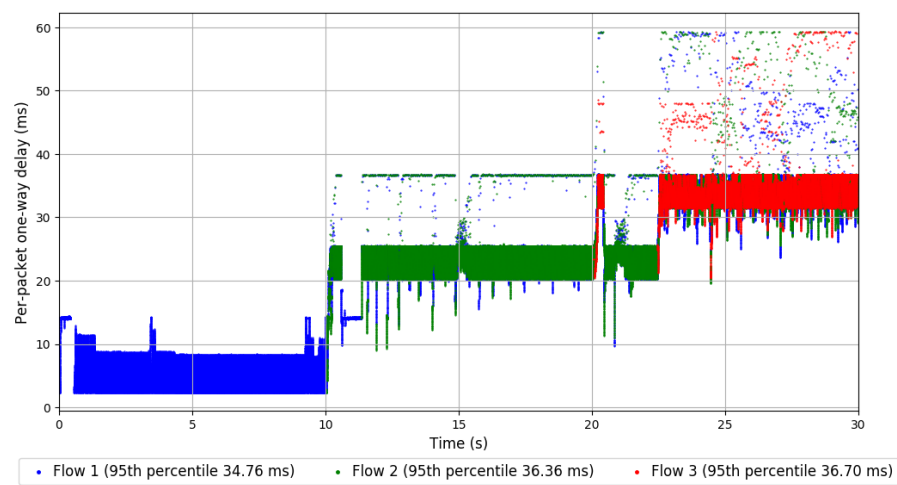
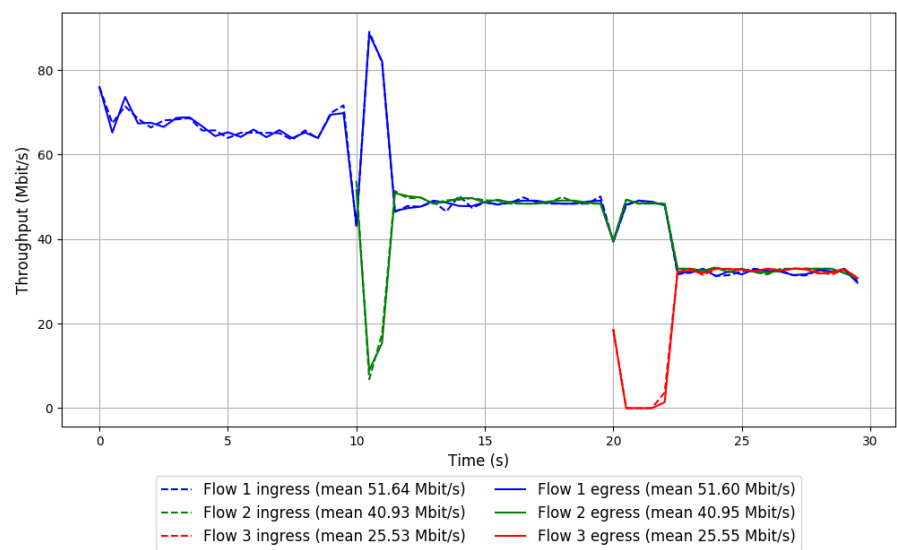
-- Flow 3:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 36.697 ms

Loss rate: 0.44%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-12-20 06:18:23

End at: 2017-12-20 06:18:53

Local clock offset: 0.053 ms

Remote clock offset: 0.766 ms

Below is generated by plot.py at 2017-12-20 10:50:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 36.601 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 52.02 Mbit/s

95th percentile per-packet one-way delay: 36.126 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 36.247 ms

Loss rate: 0.11%

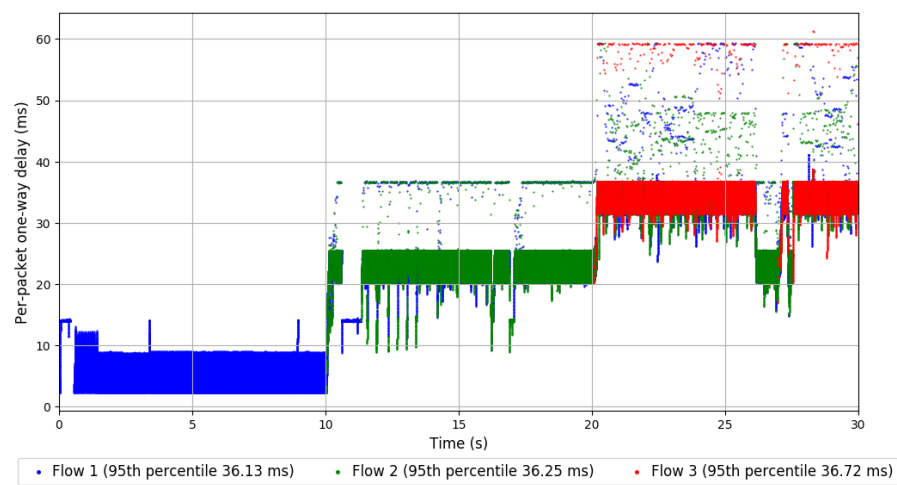
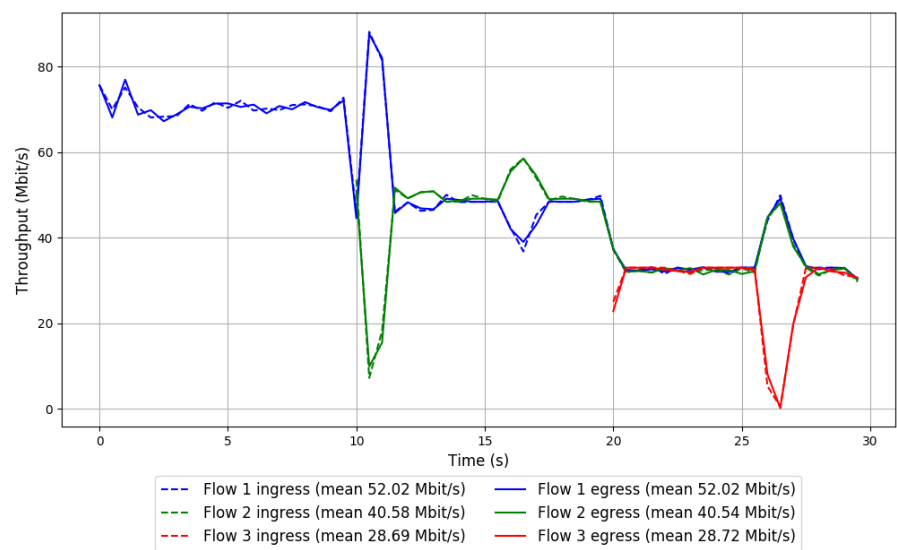
-- Flow 3:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 36.721 ms

Loss rate: 0.39%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-12-20 06:35:21

End at: 2017-12-20 06:35:51

Local clock offset: 0.061 ms

Remote clock offset: 0.821 ms

Below is generated by plot.py at 2017-12-20 10:50:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 36.620 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 52.62 Mbit/s

95th percentile per-packet one-way delay: 36.142 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 36.602 ms

Loss rate: 0.14%

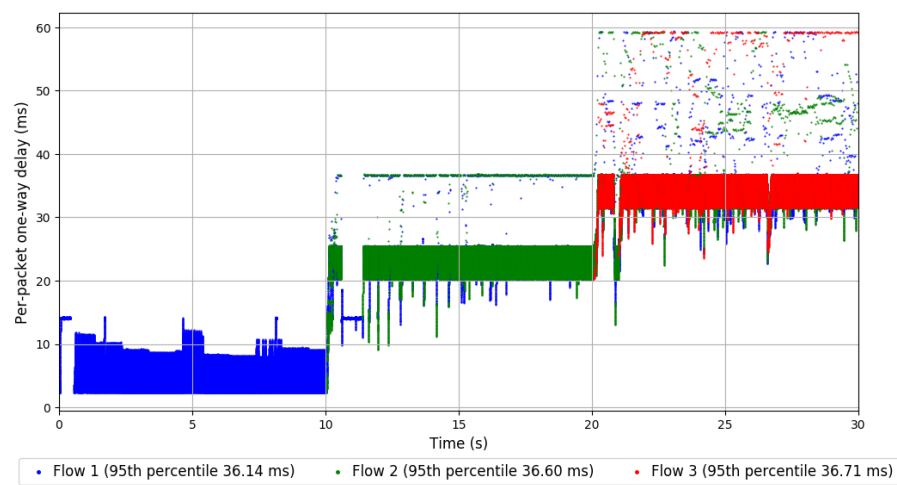
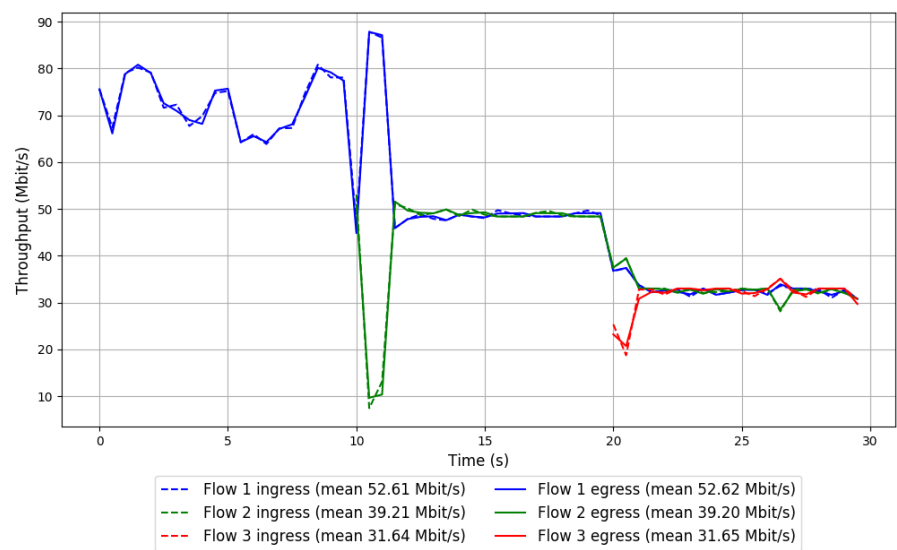
-- Flow 3:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 36.706 ms

Loss rate: 0.51%

Run 6: Report of Verus — Data Link

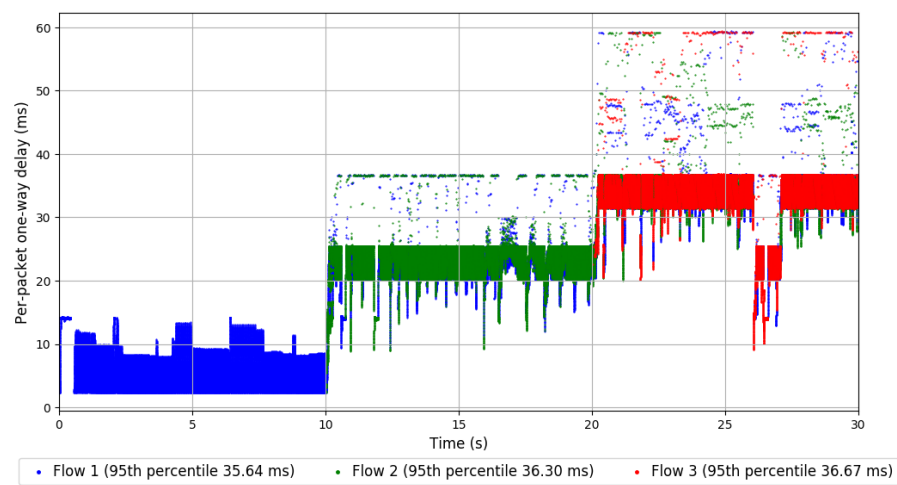
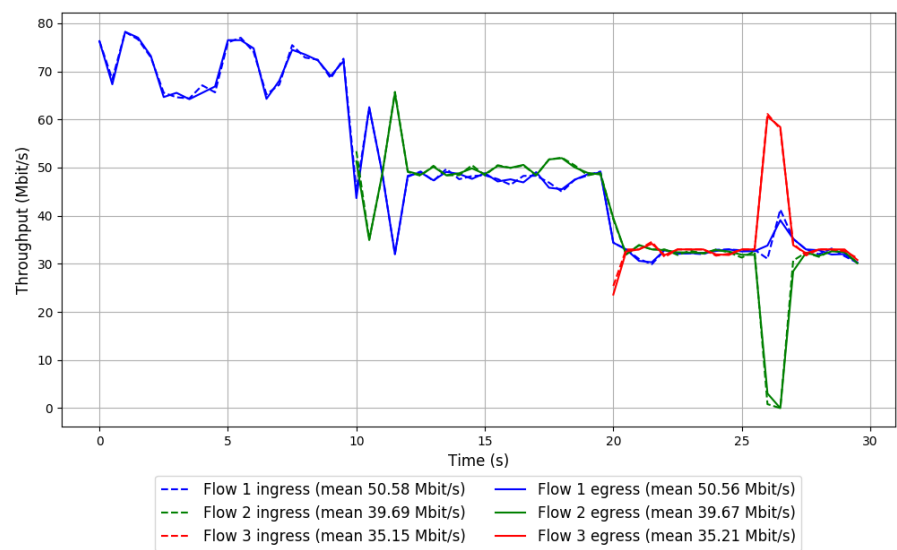


Run 7: Statistics of Verus

Start at: 2017-12-20 06:52:19
End at: 2017-12-20 06:52:49
Local clock offset: -0.013 ms
Remote clock offset: 0.703 ms

Below is generated by plot.py at 2017-12-20 10:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 36.507 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 35.639 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 36.297 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 35.21 Mbit/s
95th percentile per-packet one-way delay: 36.672 ms
Loss rate: 0.32%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-12-20 07:09:20

End at: 2017-12-20 07:09:50

Local clock offset: 0.034 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2017-12-20 10:50:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.46 Mbit/s

95th percentile per-packet one-way delay: 36.228 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 50.37 Mbit/s

95th percentile per-packet one-way delay: 35.032 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 36.536 ms

Loss rate: 0.16%

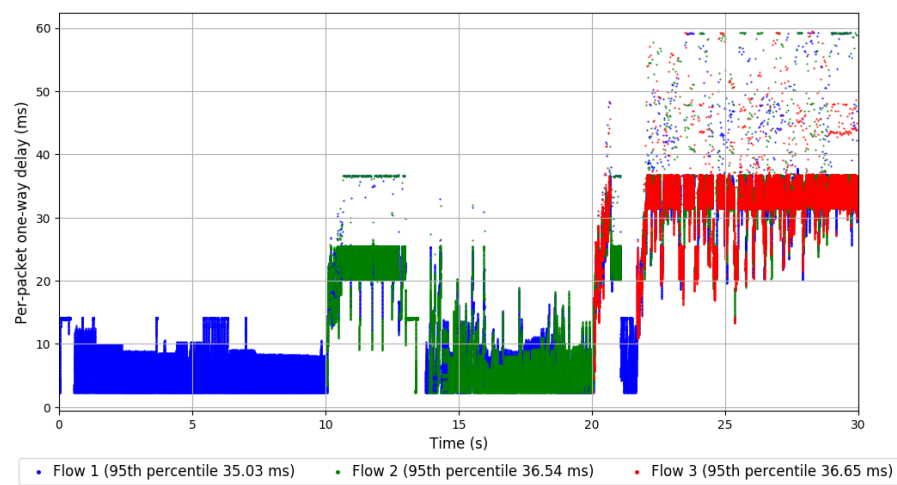
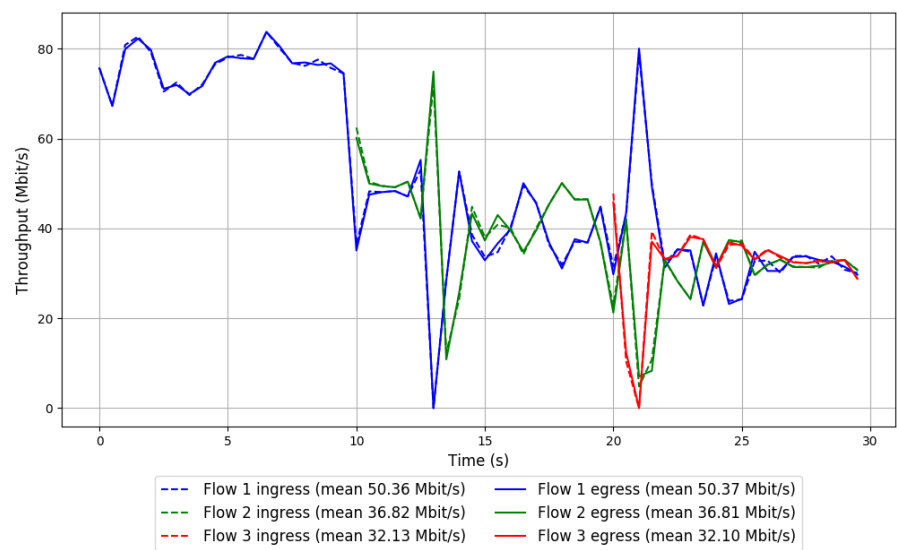
-- Flow 3:

Average throughput: 32.10 Mbit/s

95th percentile per-packet one-way delay: 36.647 ms

Loss rate: 0.35%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-20 07:26:19

End at: 2017-12-20 07:26:49

Local clock offset: 0.026 ms

Remote clock offset: 0.517 ms

Below is generated by plot.py at 2017-12-20 10:51:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 36.634 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 36.563 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 36.639 ms

Loss rate: 0.19%

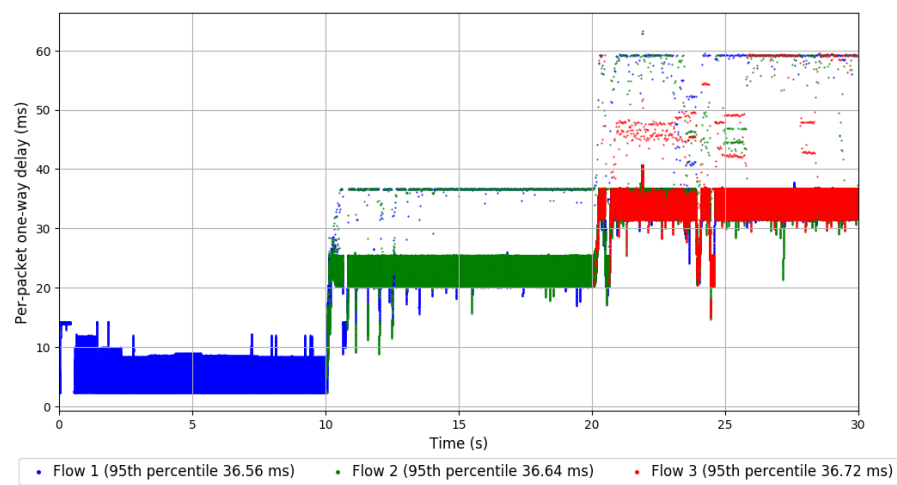
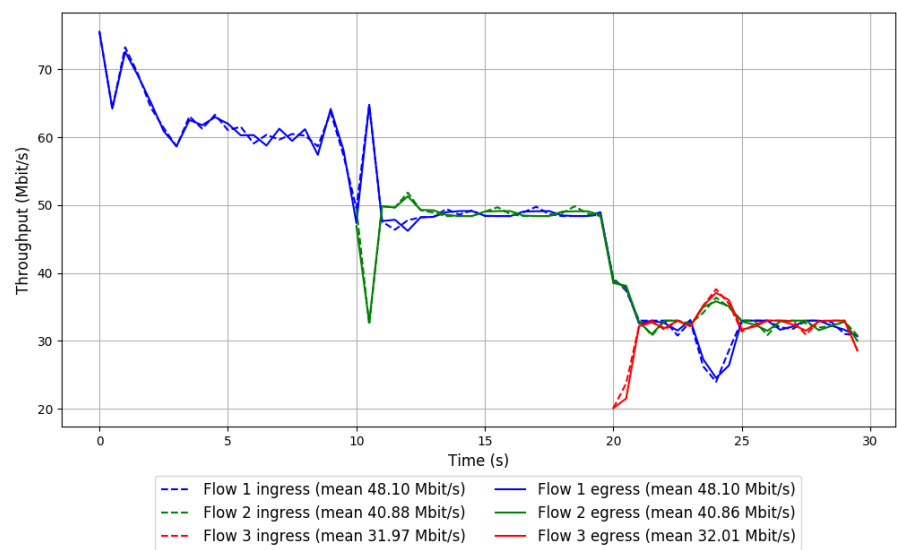
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 36.721 ms

Loss rate: 0.35%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-20 07:43:21

End at: 2017-12-20 07:43:51

Local clock offset: 0.006 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2017-12-20 10:51:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 36.609 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 51.04 Mbit/s

95th percentile per-packet one-way delay: 35.678 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 36.633 ms

Loss rate: 0.14%

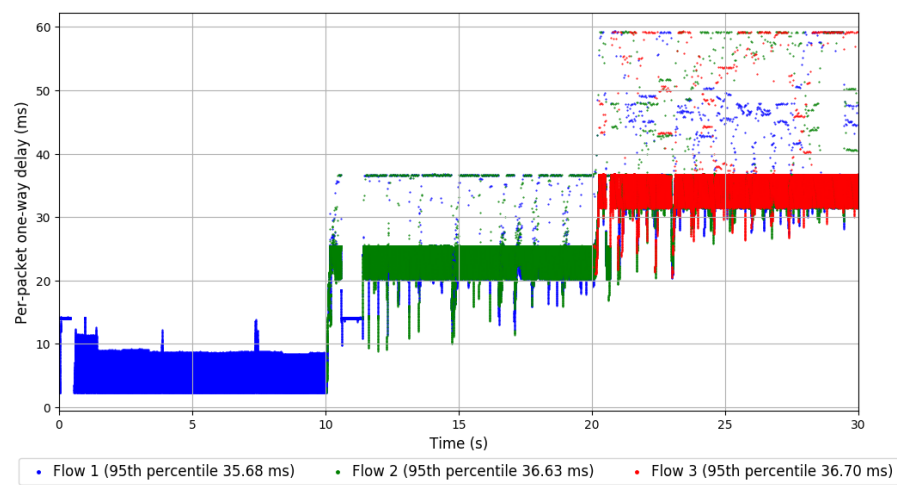
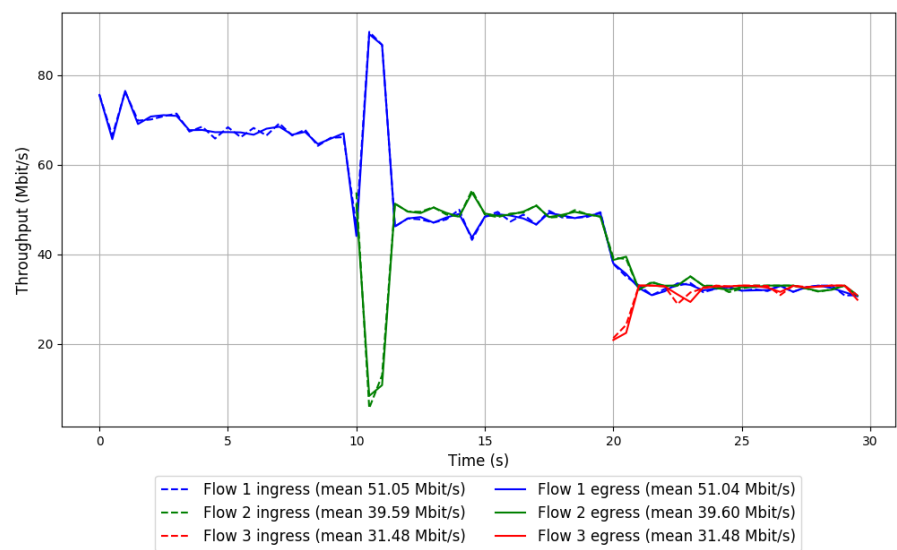
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 36.704 ms

Loss rate: 0.51%

Run 10: Report of Verus — Data Link

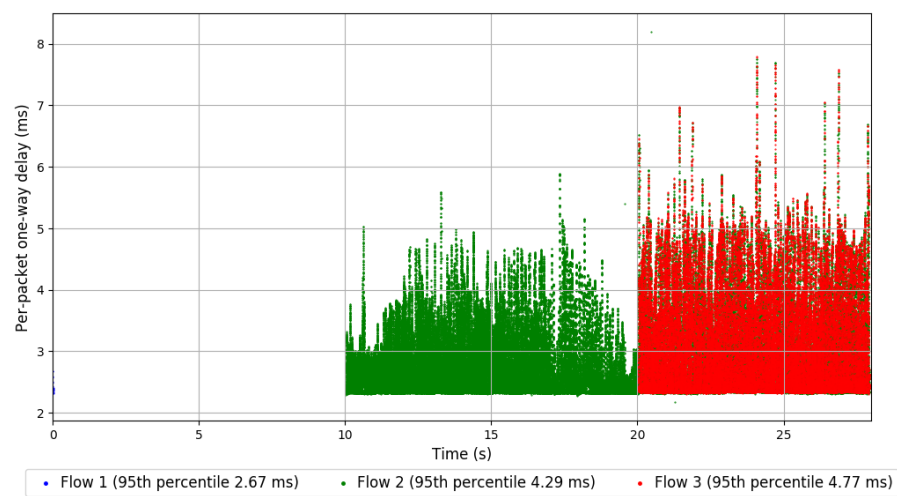
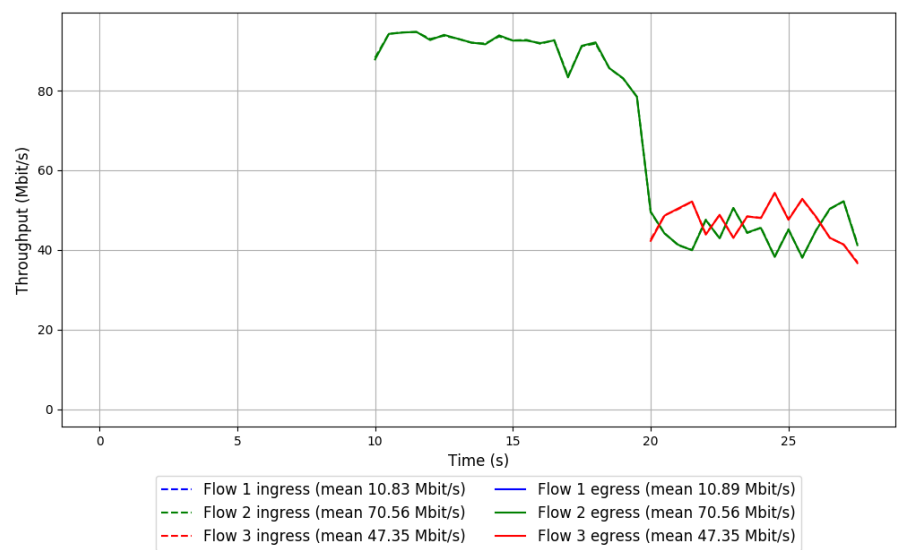


Run 1: Statistics of Copa

Start at: 2017-12-20 04:59:08
End at: 2017-12-20 04:59:38
Local clock offset: -0.073 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2017-12-20 10:51:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 4.453 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 2.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 4.289 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 4.767 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-20 05:16:05

End at: 2017-12-20 05:16:35

Local clock offset: -0.031 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2017-12-20 10:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 30.748 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 29.958 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 30.597 ms

Loss rate: 0.14%

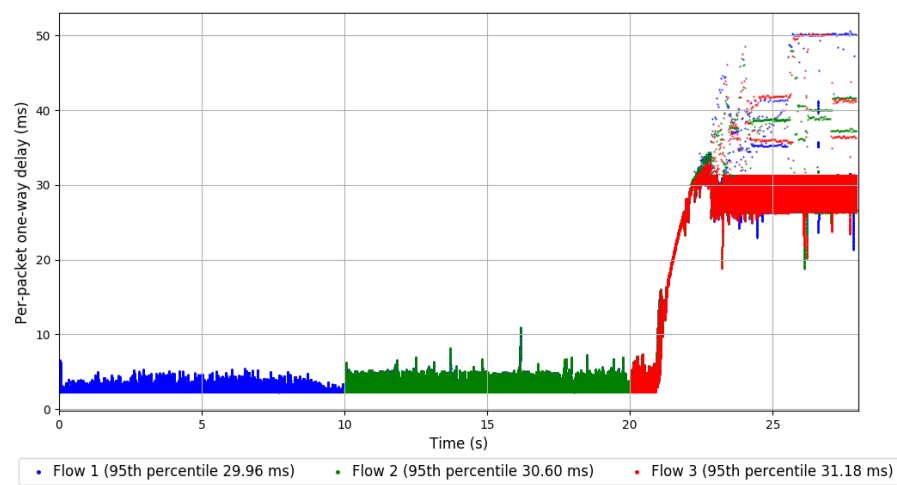
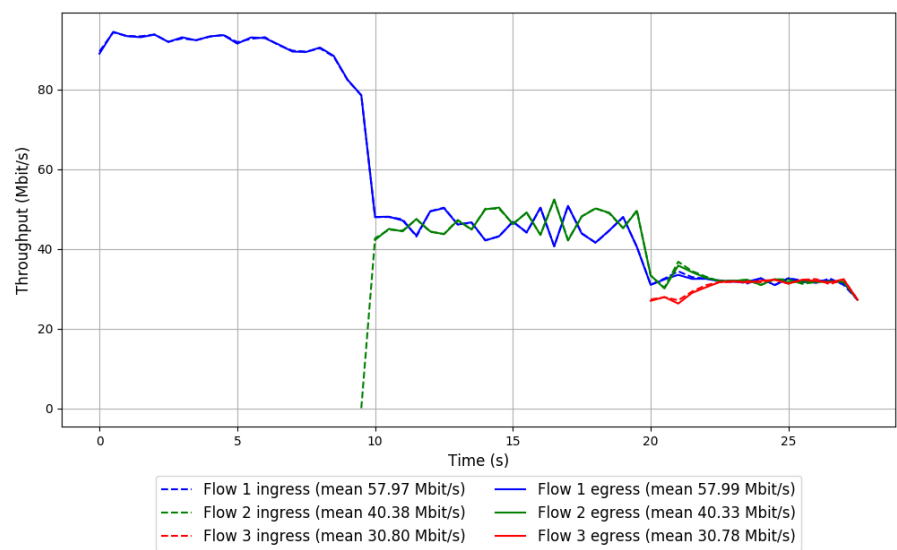
-- Flow 3:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 31.183 ms

Loss rate: 0.38%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-12-20 05:33:05

End at: 2017-12-20 05:33:35

Local clock offset: 0.011 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2017-12-20 10:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 5.328 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 4.905 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 5.471 ms

Loss rate: 0.02%

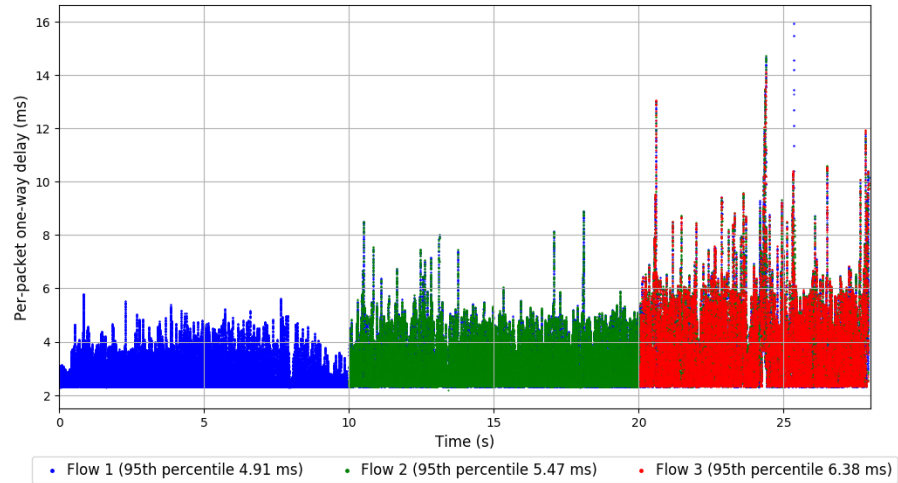
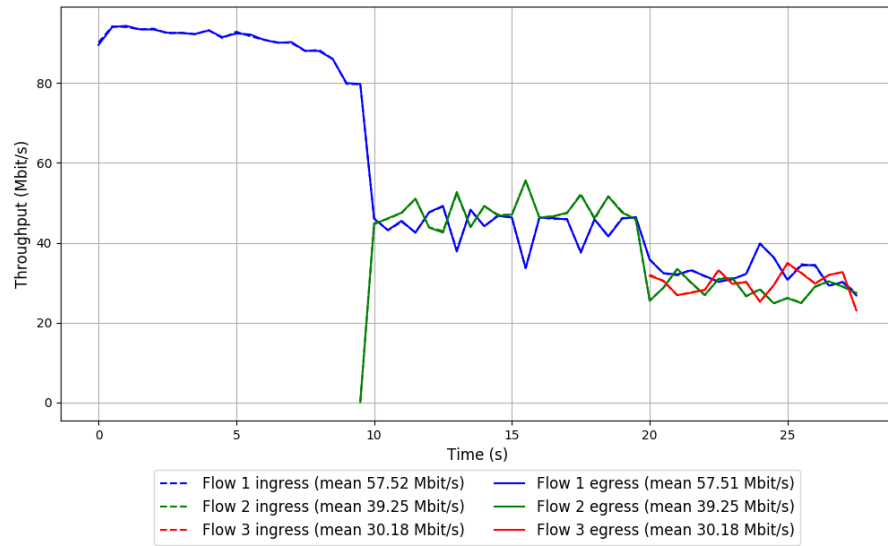
-- Flow 3:

Average throughput: 30.18 Mbit/s

95th percentile per-packet one-way delay: 6.378 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-12-20 05:50:05

End at: 2017-12-20 05:50:35

Local clock offset: -0.029 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2017-12-20 10:53:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 5.259 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 4.767 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 5.524 ms

Loss rate: 0.02%

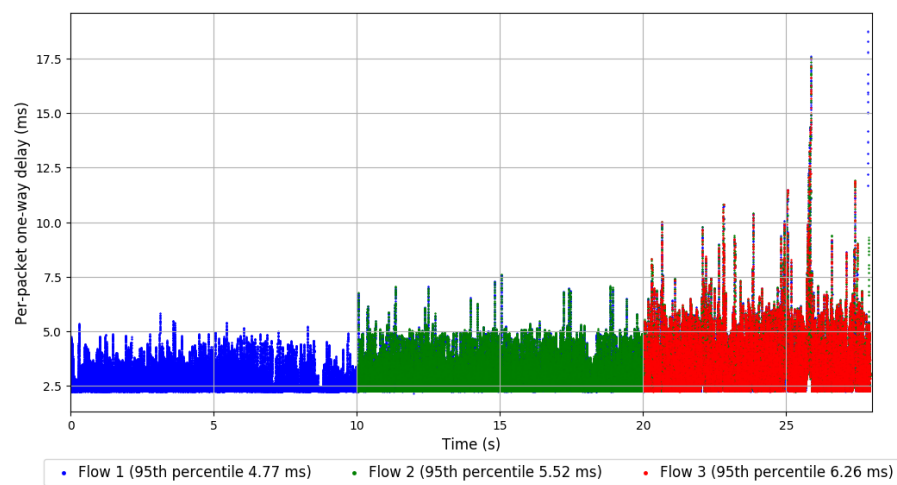
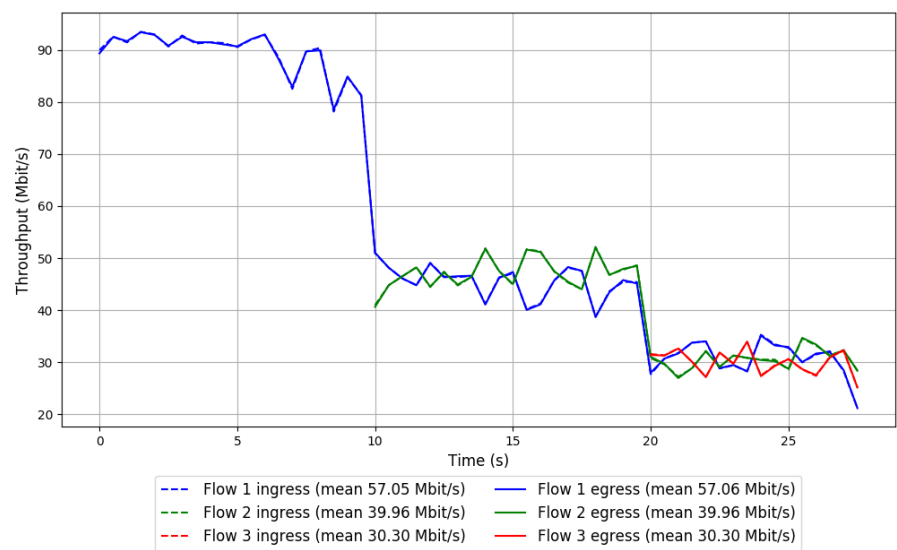
-- Flow 3:

Average throughput: 30.30 Mbit/s

95th percentile per-packet one-way delay: 6.265 ms

Loss rate: 0.04%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-12-20 06:07:04

End at: 2017-12-20 06:07:34

Local clock offset: 0.05 ms

Remote clock offset: 0.761 ms

Below is generated by plot.py at 2017-12-20 10:53:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 29.306 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 22.809 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 41.56 Mbit/s

95th percentile per-packet one-way delay: 29.997 ms

Loss rate: 0.11%

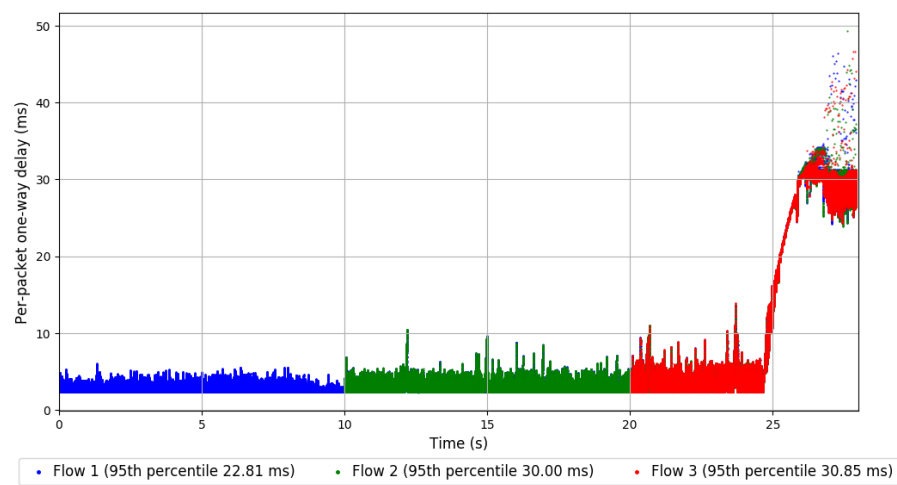
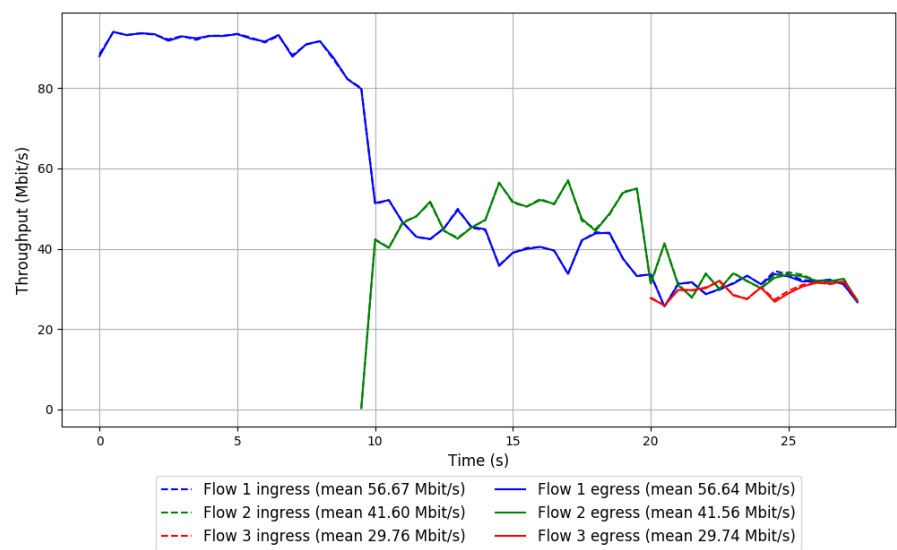
-- Flow 3:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: 30.853 ms

Loss rate: 0.39%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-12-20 06:24:02

End at: 2017-12-20 06:24:32

Local clock offset: 0.062 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2017-12-20 10:53:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 11.581 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 57.65 Mbit/s

95th percentile per-packet one-way delay: 5.500 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 15.408 ms

Loss rate: 0.15%

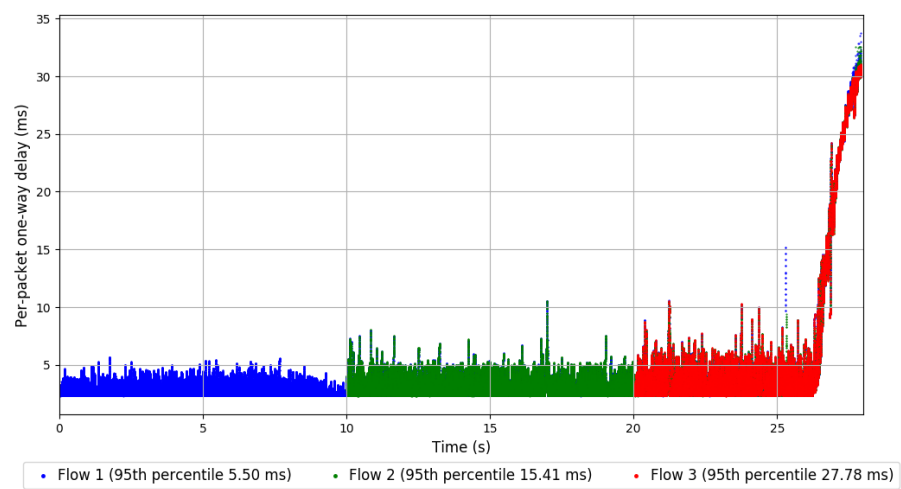
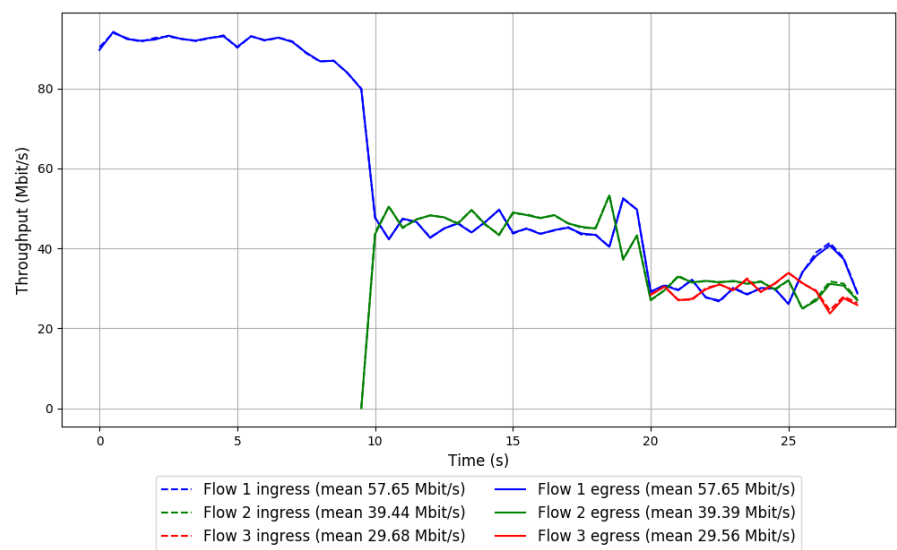
-- Flow 3:

Average throughput: 29.56 Mbit/s

95th percentile per-packet one-way delay: 27.778 ms

Loss rate: 0.45%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-12-20 06:41:00

End at: 2017-12-20 06:41:30

Local clock offset: 0.017 ms

Remote clock offset: 0.851 ms

Below is generated by plot.py at 2017-12-20 10:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 30.704 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 30.287 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 30.274 ms

Loss rate: 0.16%

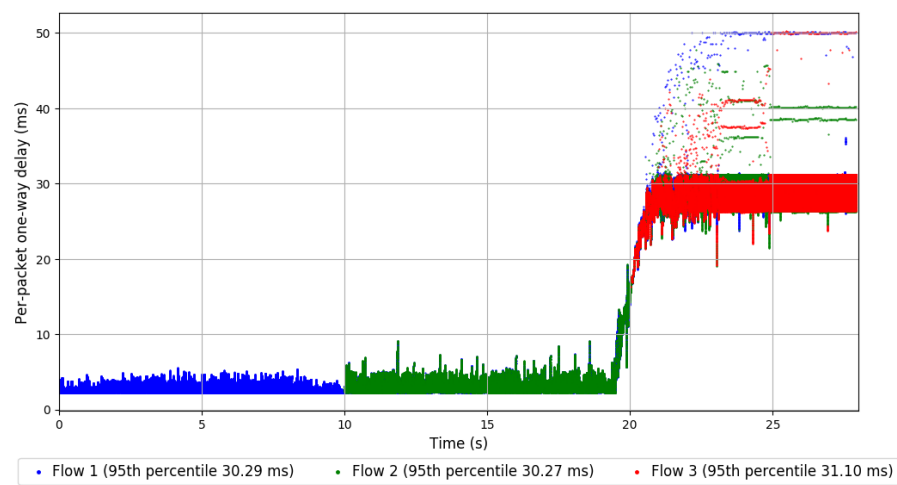
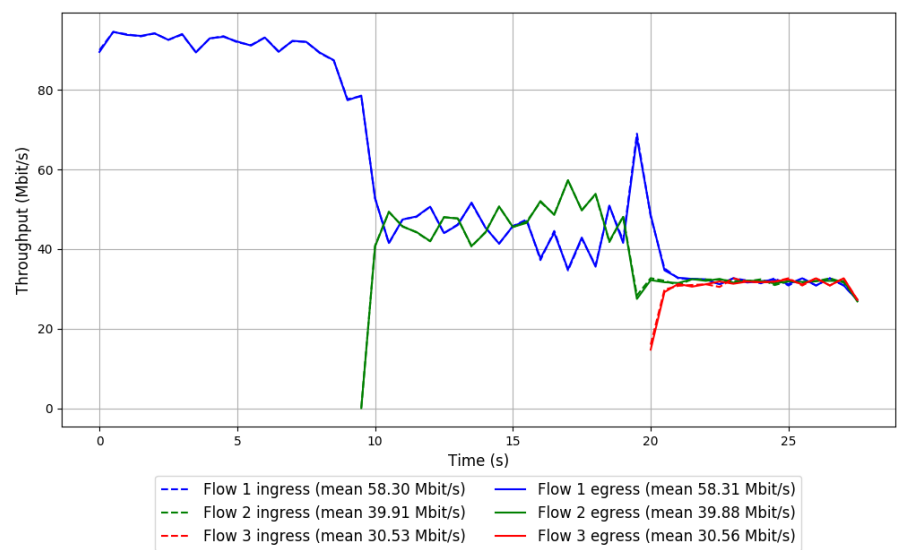
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 0.39%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-20 06:58:00

End at: 2017-12-20 06:58:30

Local clock offset: -0.032 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2017-12-20 10:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 29.822 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 56.97 Mbit/s

95th percentile per-packet one-way delay: 28.398 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 30.107 ms

Loss rate: 0.12%

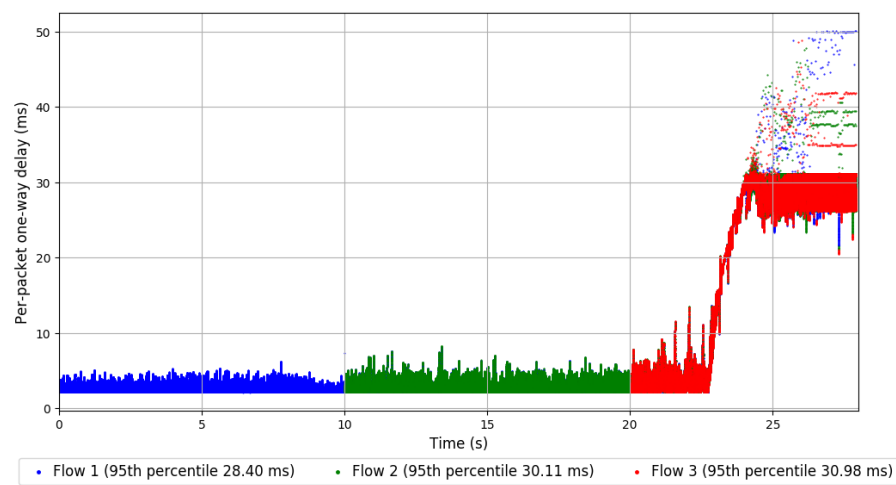
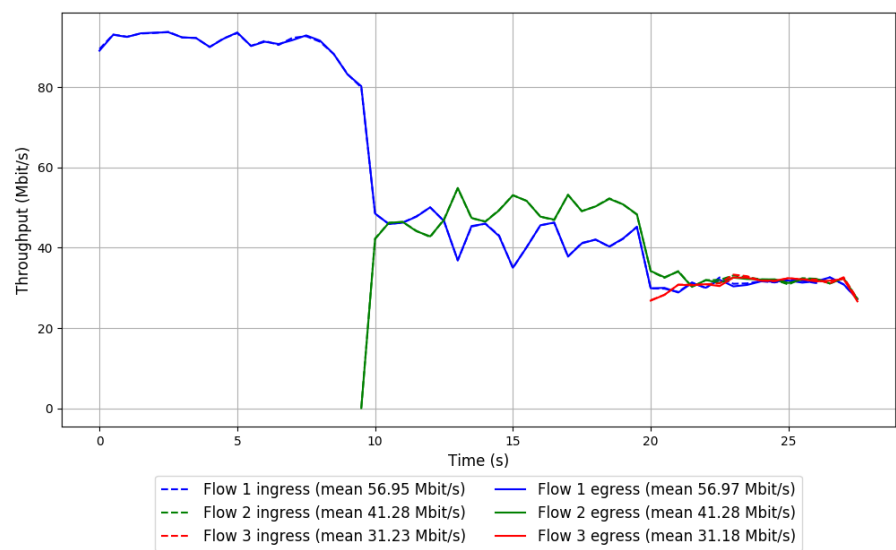
-- Flow 3:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 30.978 ms

Loss rate: 0.53%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-12-20 07:15:00

End at: 2017-12-20 07:15:30

Local clock offset: 0.04 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2017-12-20 10:53:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 4.274 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 4.088 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 2.948 ms

Loss rate: 0.00%

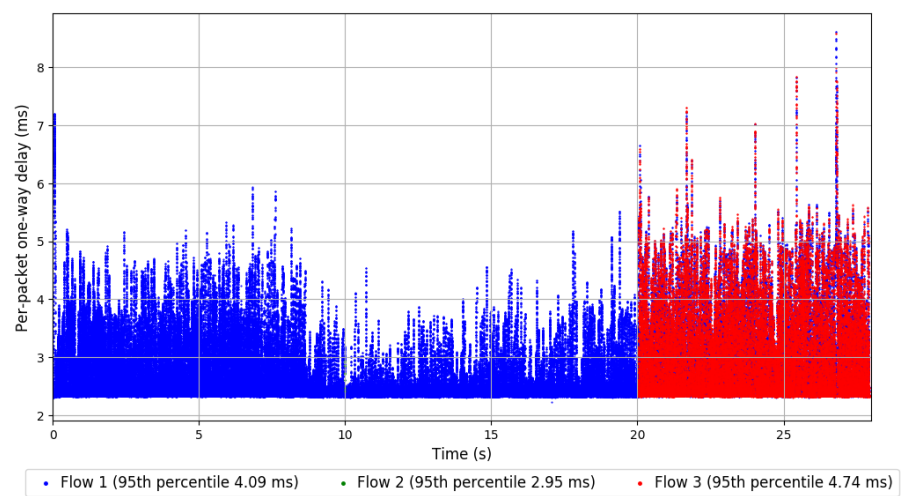
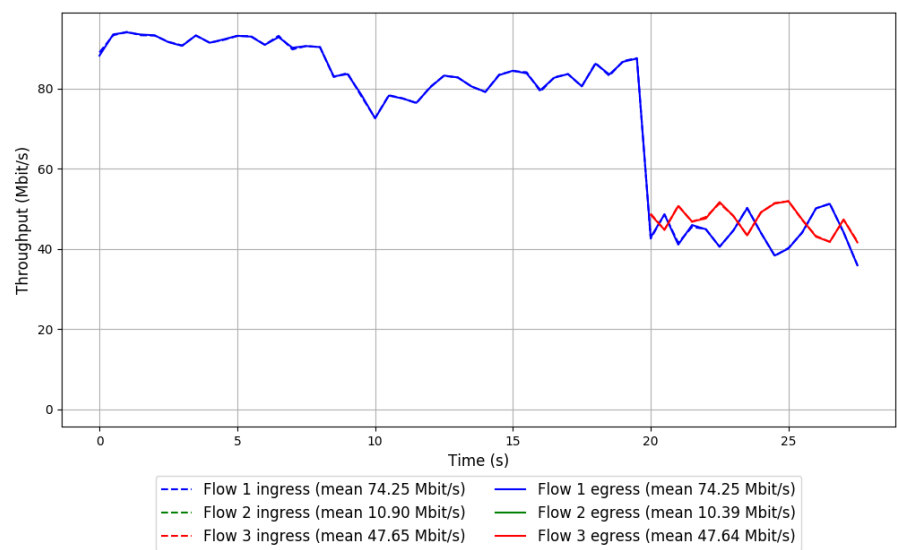
-- Flow 3:

Average throughput: 47.64 Mbit/s

95th percentile per-packet one-way delay: 4.740 ms

Loss rate: 0.07%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-12-20 07:32:02

End at: 2017-12-20 07:32:32

Local clock offset: -0.034 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2017-12-20 10:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 30.318 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 18.270 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 30.586 ms

Loss rate: 0.16%

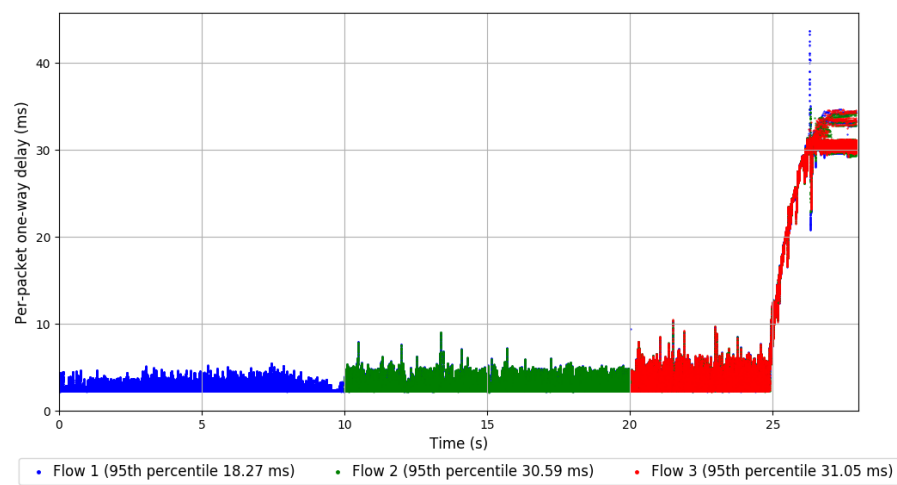
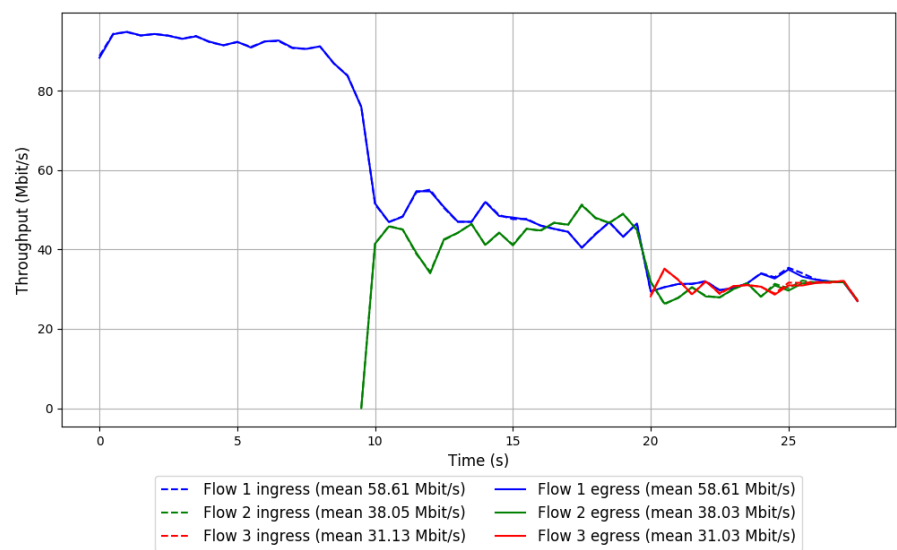
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 31.049 ms

Loss rate: 0.42%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2017-12-20 05:04:48

End at: 2017-12-20 05:05:18

Local clock offset: -0.063 ms

Remote clock offset: -0.106 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2017-12-20 05:21:48

End at: 2017-12-20 05:22:18

Local clock offset: -0.021 ms

Remote clock offset: 0.153 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2017-12-20 05:38:48

End at: 2017-12-20 05:39:18

Local clock offset: 0.015 ms

Remote clock offset: 0.402 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2017-12-20 05:55:48

End at: 2017-12-20 05:56:18

Local clock offset: 0.037 ms

Remote clock offset: 0.635 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2017-12-20 06:12:46

End at: 2017-12-20 06:13:16

Local clock offset: 0.057 ms

Remote clock offset: 0.764 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2017-12-20 06:29:45

End at: 2017-12-20 06:30:15

Local clock offset: 0.064 ms

Remote clock offset: 0.749 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2017-12-20 06:46:43

End at: 2017-12-20 06:47:13

Local clock offset: 0.064 ms

Remote clock offset: 0.753 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2017-12-20 07:03:43

End at: 2017-12-20 07:04:13

Local clock offset: 0.059 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2017-12-20 10:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.75 Mbit/s

95th percentile per-packet one-way delay: 30.456 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 23.573 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 30.999 ms

Loss rate: 0.10%

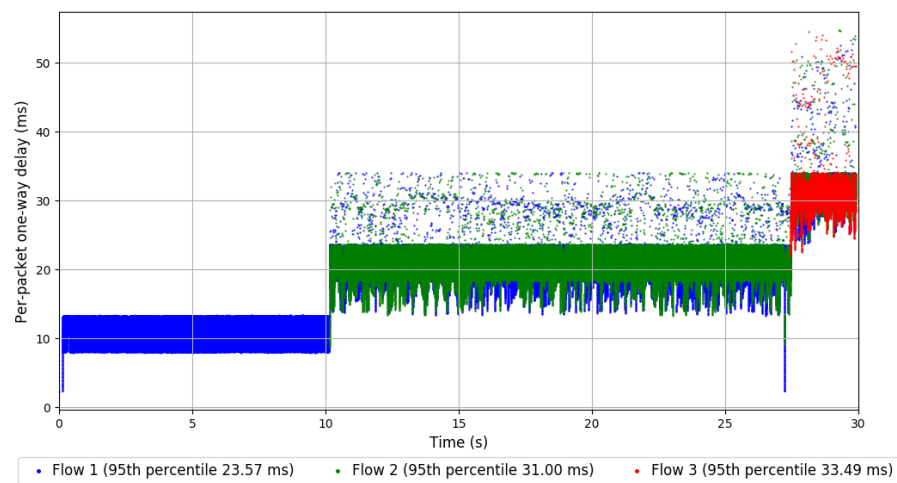
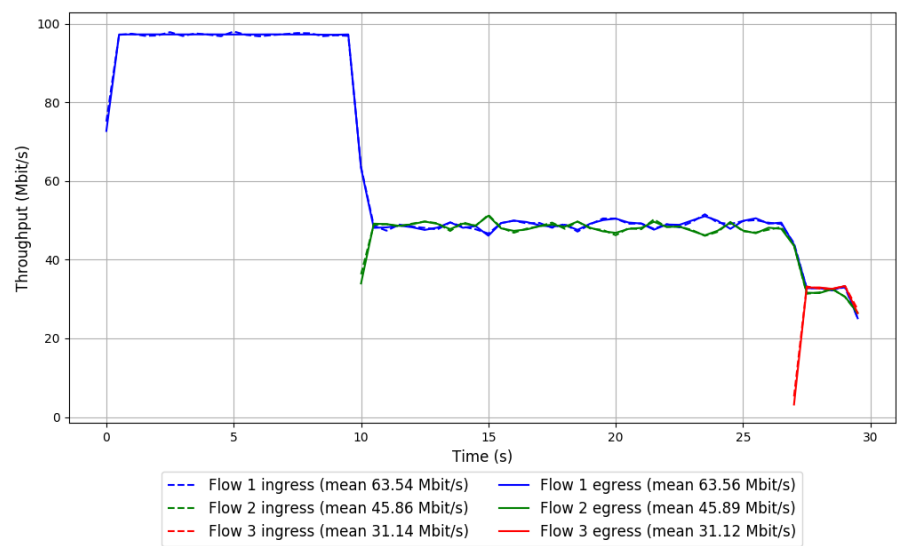
-- Flow 3:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 33.494 ms

Loss rate: 1.80%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2017-12-20 07:20:43

End at: 2017-12-20 07:21:13

Local clock offset: -0.034 ms

Remote clock offset: 0.523 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2017-12-20 07:37:44

End at: 2017-12-20 07:38:14

Local clock offset: 0.023 ms

Remote clock offset: 0.472 ms

Run 10: Report of FillP — Data Link

Figure is missing

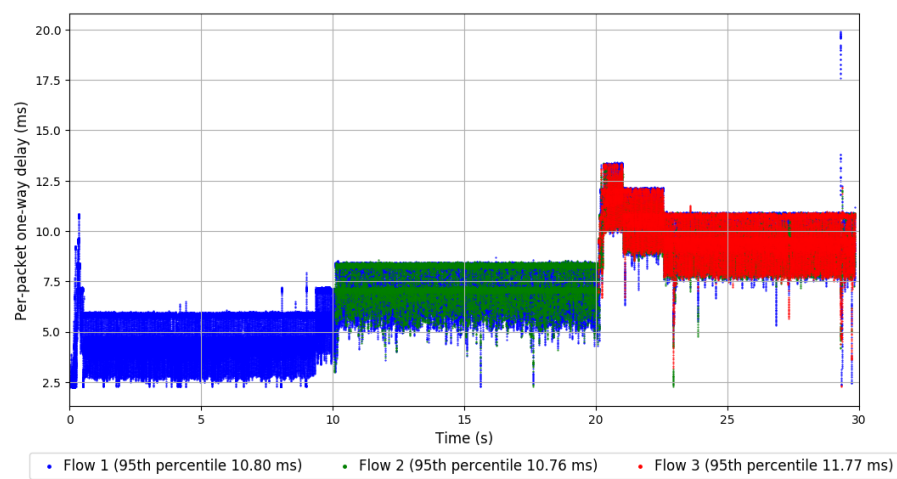
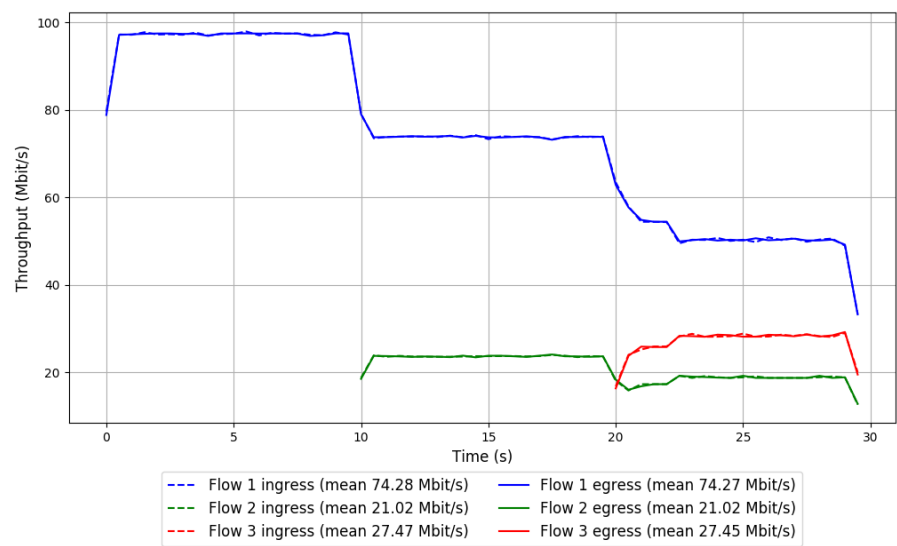
Figure is missing

Run 1: Statistics of Indigo

Start at: 2017-12-20 05:09:15
End at: 2017-12-20 05:09:45
Local clock offset: -0.131 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2017-12-20 10:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 10.835 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 10.802 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 10.759 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 11.773 ms
Loss rate: 0.13%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-20 05:26:15

End at: 2017-12-20 05:26:45

Local clock offset: -0.003 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2017-12-20 10:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 11.720 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 10.850 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 12.377 ms

Loss rate: 0.03%

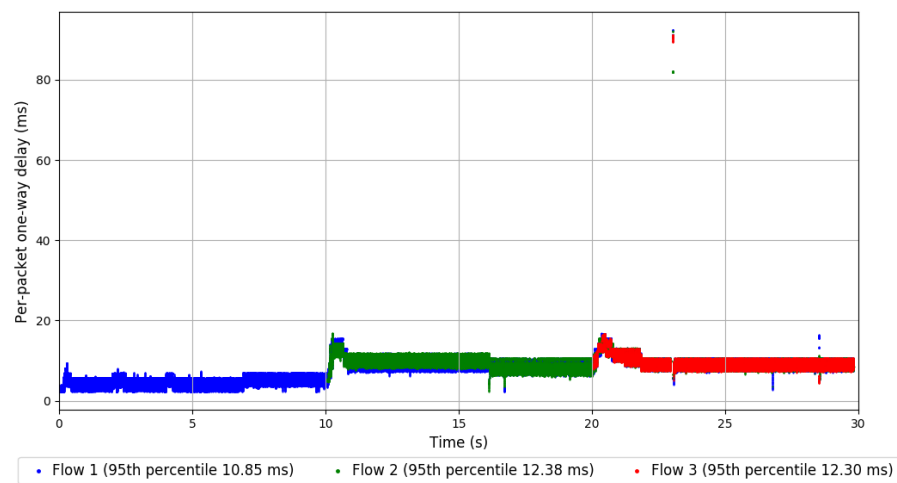
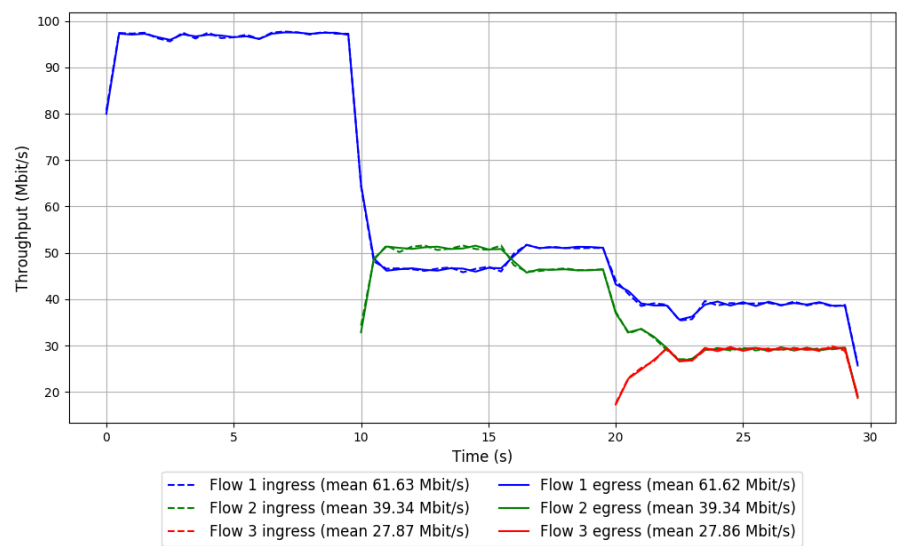
-- Flow 3:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 12.296 ms

Loss rate: 0.13%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-12-20 05:43:15

End at: 2017-12-20 05:43:45

Local clock offset: -0.023 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2017-12-20 10:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 12.059 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 62.39 Mbit/s

95th percentile per-packet one-way delay: 11.564 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 14.045 ms

Loss rate: 0.04%

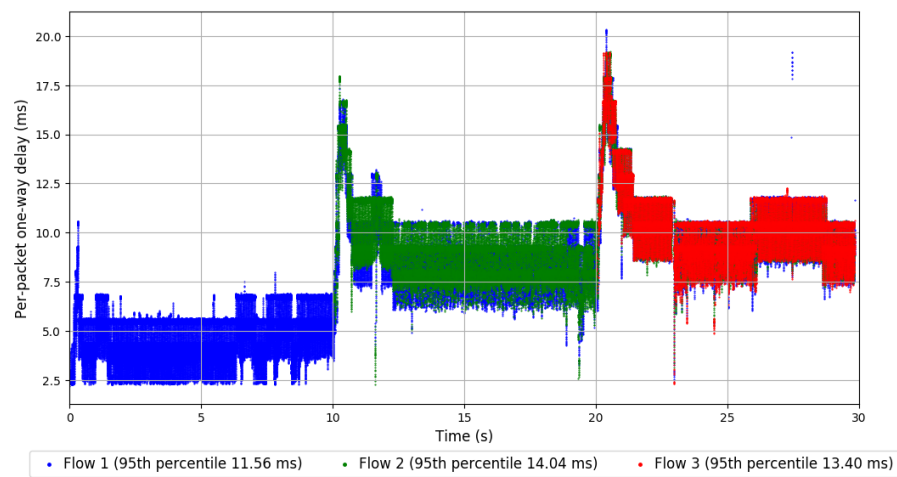
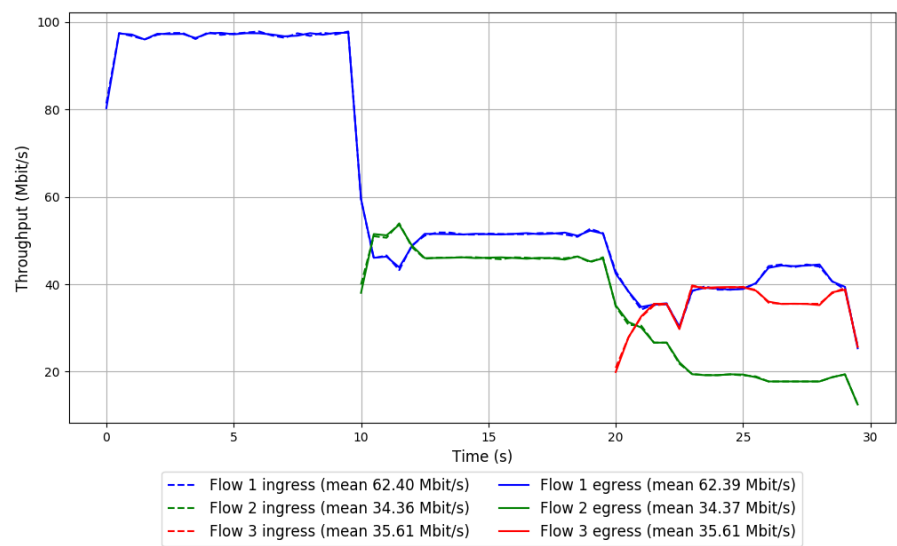
-- Flow 3:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 13.396 ms

Loss rate: 0.10%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-12-20 06:00:15

End at: 2017-12-20 06:00:45

Local clock offset: 0.046 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2017-12-20 10:55:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 12.716 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.78 Mbit/s

95th percentile per-packet one-way delay: 12.225 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 12.631 ms

Loss rate: 0.05%

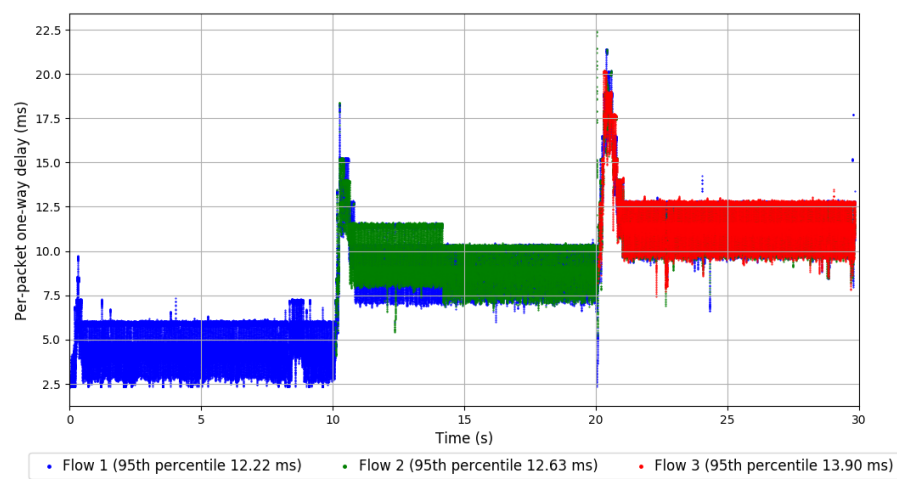
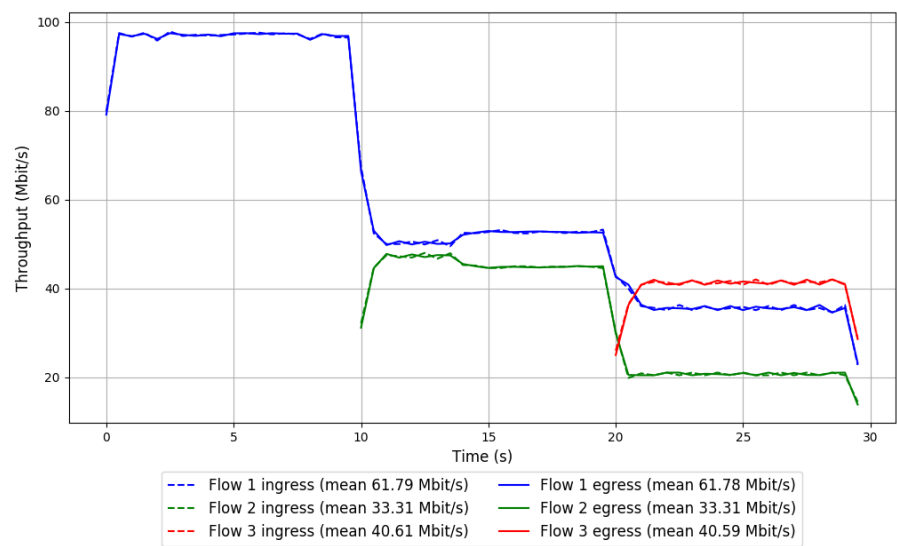
-- Flow 3:

Average throughput: 40.59 Mbit/s

95th percentile per-packet one-way delay: 13.903 ms

Loss rate: 0.15%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-12-20 06:17:13

End at: 2017-12-20 06:17:43

Local clock offset: 0.009 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2017-12-20 10:55:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 12.789 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 12.037 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 13.274 ms

Loss rate: 0.03%

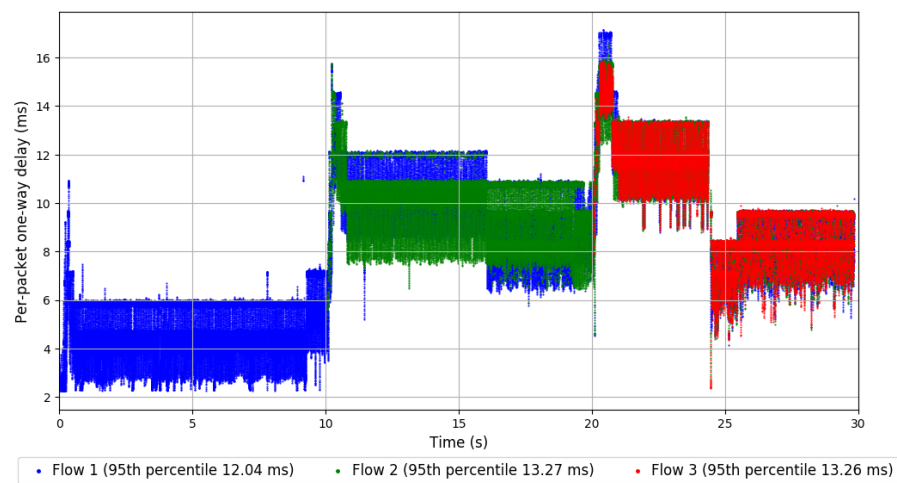
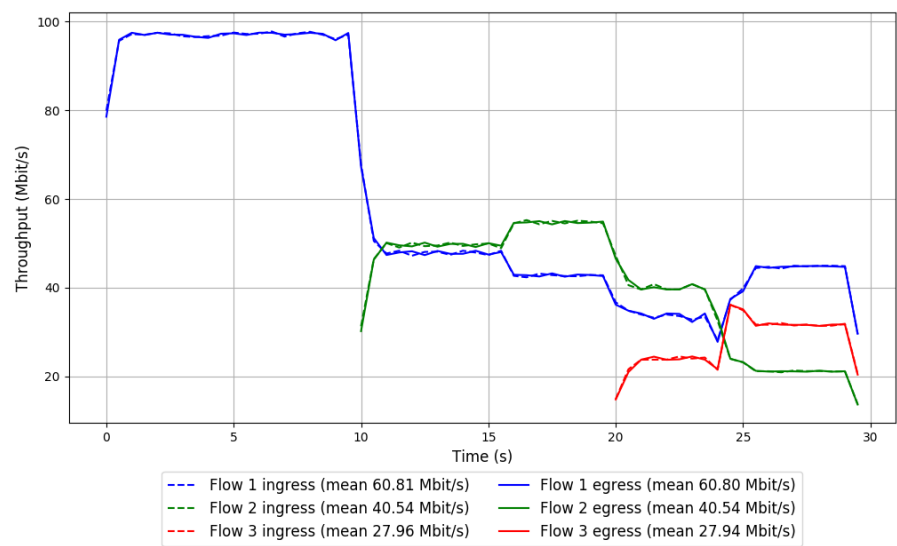
-- Flow 3:

Average throughput: 27.94 Mbit/s

95th percentile per-packet one-way delay: 13.257 ms

Loss rate: 0.13%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-12-20 06:34:11

End at: 2017-12-20 06:34:41

Local clock offset: 0.059 ms

Remote clock offset: 0.838 ms

Below is generated by plot.py at 2017-12-20 10:55:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 12.862 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 11.876 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 12.125 ms

Loss rate: 0.05%

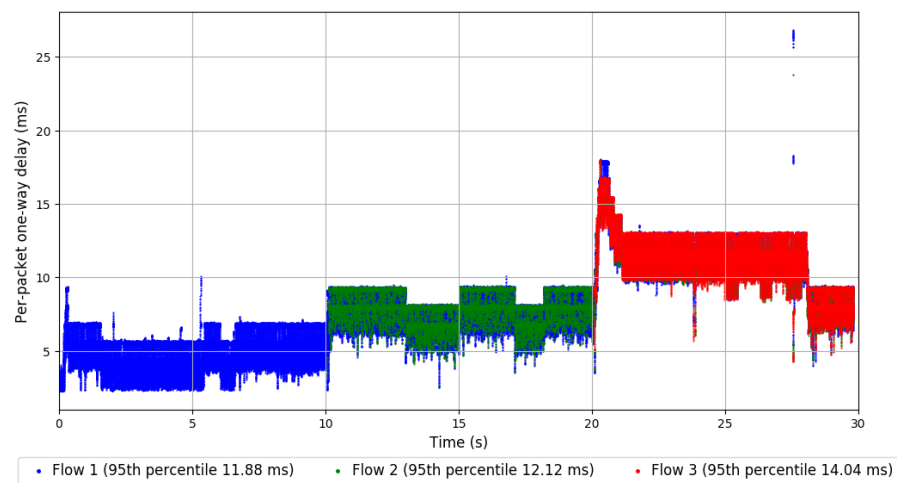
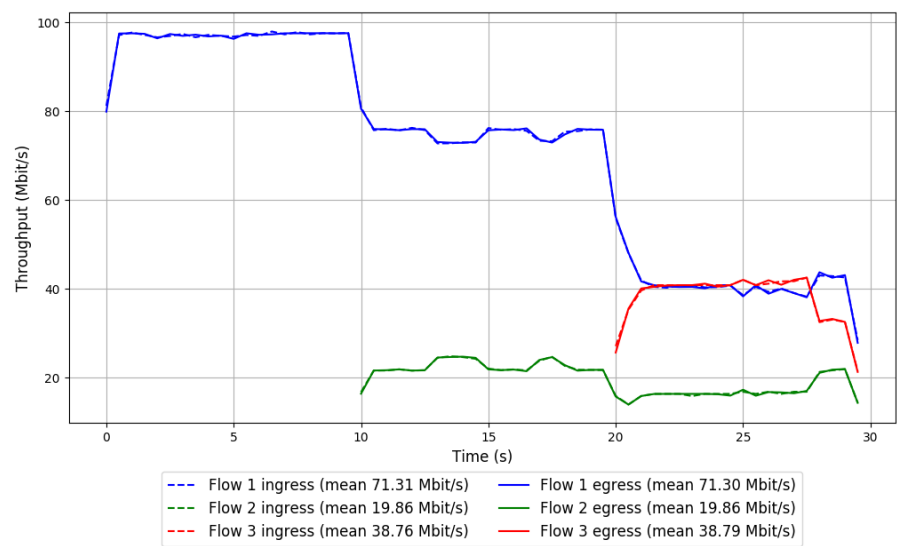
-- Flow 3:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 14.041 ms

Loss rate: 0.09%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-20 06:51:09

End at: 2017-12-20 06:51:39

Local clock offset: 0.065 ms

Remote clock offset: 0.773 ms

Below is generated by plot.py at 2017-12-20 10:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 12.481 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.28 Mbit/s

95th percentile per-packet one-way delay: 11.796 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 12.143 ms

Loss rate: 0.05%

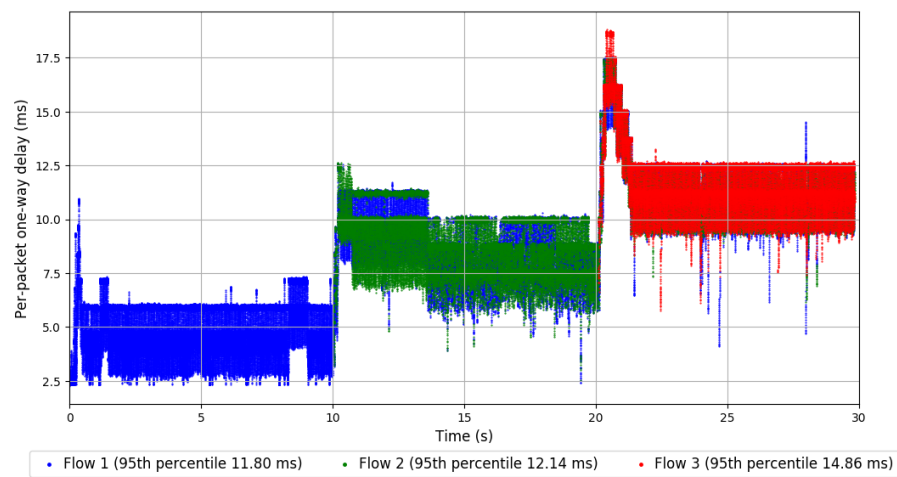
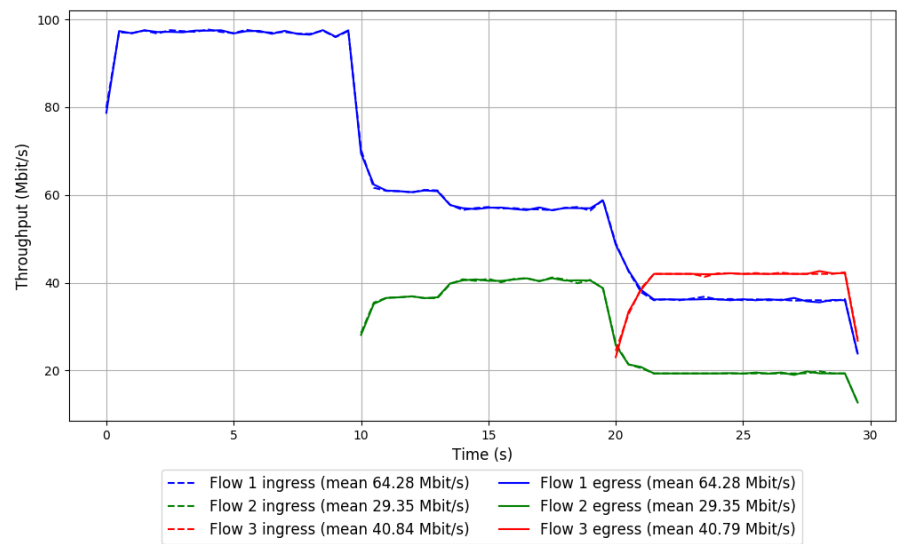
-- Flow 3:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 14.855 ms

Loss rate: 0.13%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-12-20 07:08:10

End at: 2017-12-20 07:08:40

Local clock offset: 0.032 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2017-12-20 10:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 12.126 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 11.641 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 11.946 ms

Loss rate: 0.02%

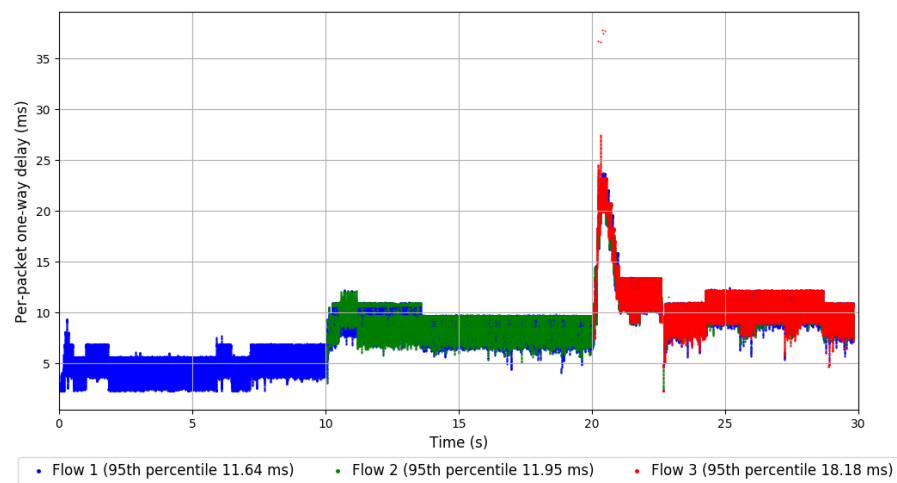
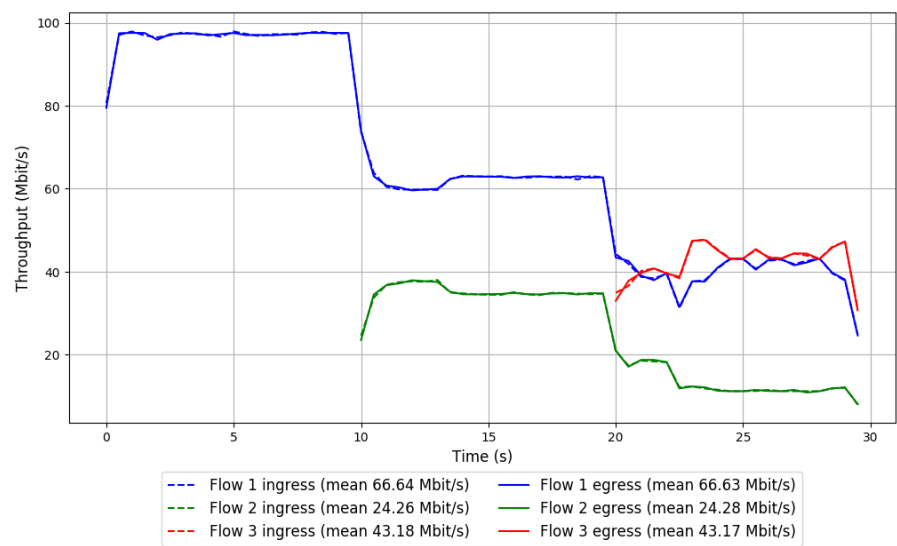
-- Flow 3:

Average throughput: 43.17 Mbit/s

95th percentile per-packet one-way delay: 18.179 ms

Loss rate: 0.14%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-12-20 07:25:09

End at: 2017-12-20 07:25:39

Local clock offset: 0.02 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2017-12-20 10:55:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 14.810 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 55.08 Mbit/s

95th percentile per-packet one-way delay: 14.039 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 14.282 ms

Loss rate: 0.07%

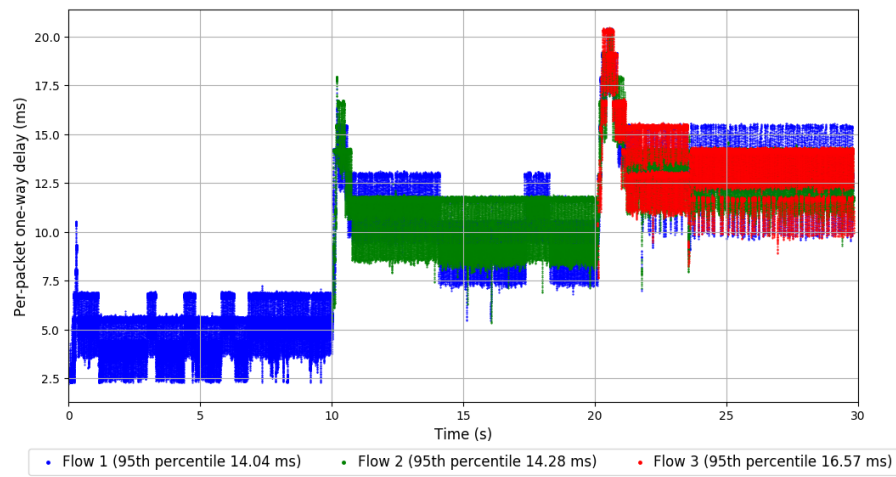
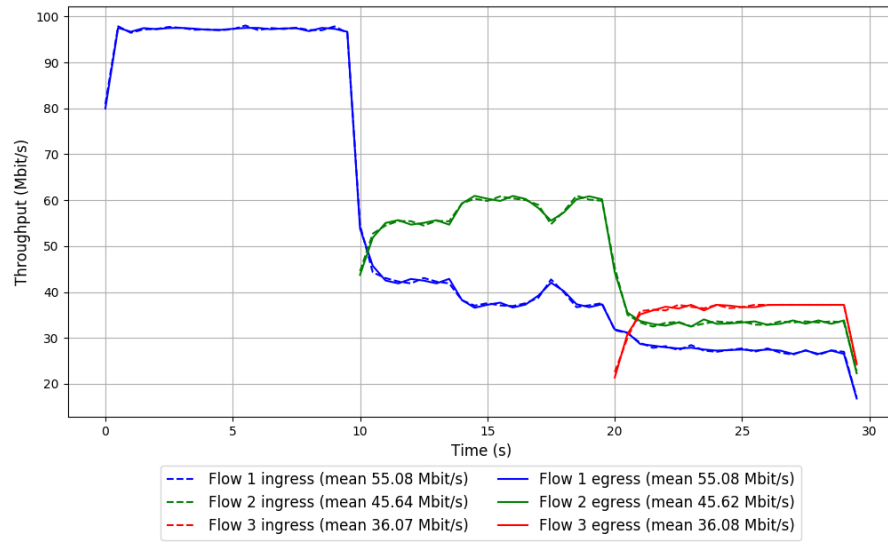
-- Flow 3:

Average throughput: 36.08 Mbit/s

95th percentile per-packet one-way delay: 16.570 ms

Loss rate: 0.12%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-12-20 07:42:11

End at: 2017-12-20 07:42:41

Local clock offset: -0.051 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2017-12-20 10:55:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 14.972 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 13.802 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 14.048 ms

Loss rate: 0.03%

-- Flow 3:

Average throughput: 51.13 Mbit/s

95th percentile per-packet one-way delay: 17.458 ms

Loss rate: 0.13%

Run 10: Report of Indigo — Data Link

