

Pantheon Report

Generated at 2018-04-04 05:17:53 (UTC).

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

Repeated the test of 17 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).

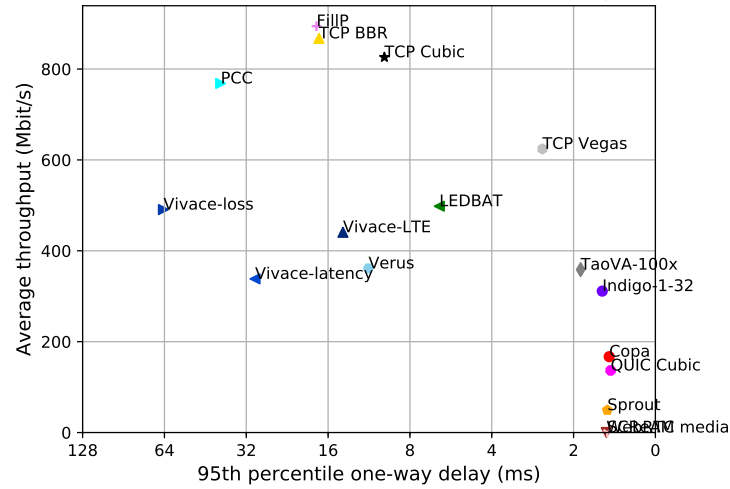
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

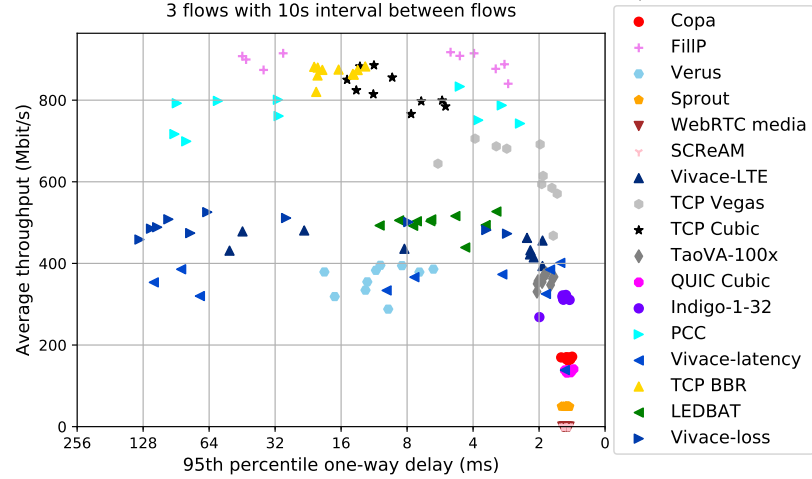
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
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 @ f1a14bffe749737437f61b1eae30b267cde681
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



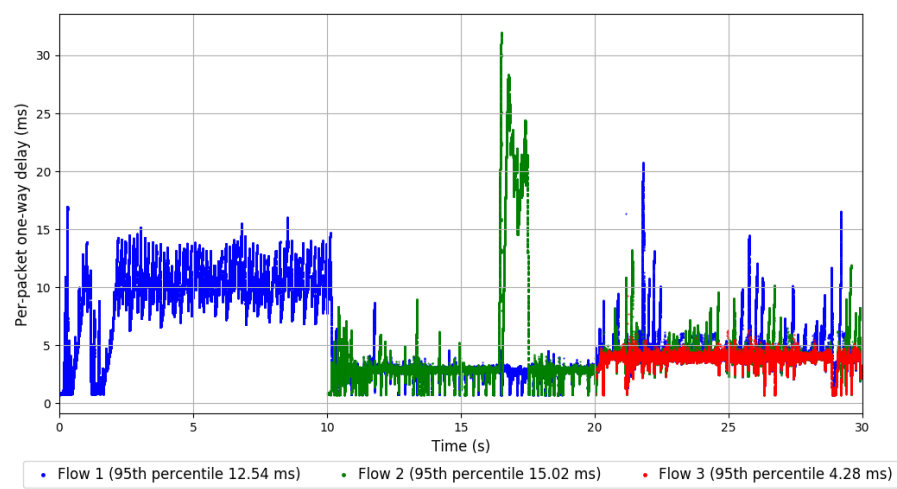
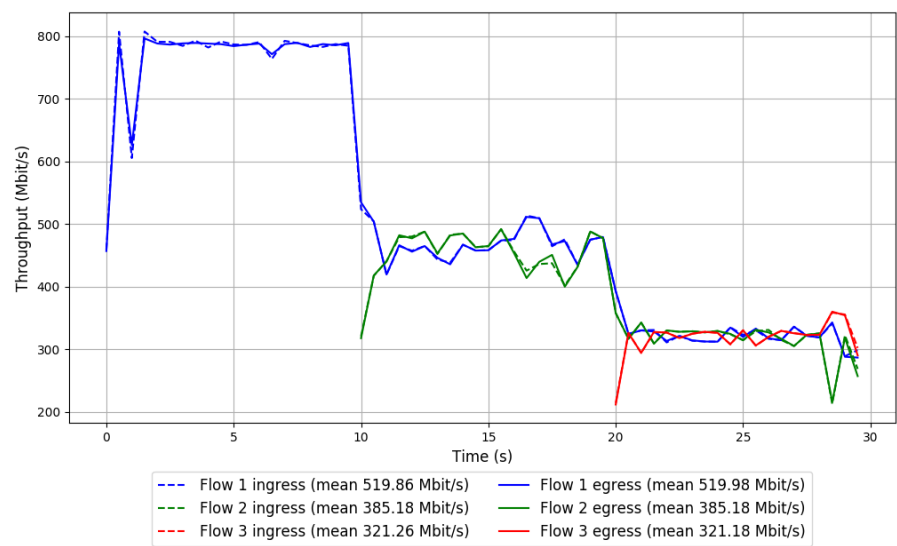
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	505.05	385.59	320.37	15.10	17.55	5.14	0.05	0.07	0.26
TCP Cubic	10	464.16	383.65	321.67	10.89	5.19	4.55	0.05	0.09	0.22
LEDBAT	10	286.13	227.04	184.54	6.30	5.72	3.38	0.06	0.09	0.22
PCC	10	580.31	205.58	156.58	46.35	2.69	2.50	1.61	0.09	0.22
QUIC Cubic	10	72.93	67.11	57.86	1.09	1.09	1.10	0.06	0.09	0.19
SCReAM	10	0.22	0.22	0.22	1.18	1.18	1.17	0.04	0.04	0.28
WebRTC media	10	0.05	0.05	0.05	1.16	1.19	1.24	0.02	0.01	0.01
Sprout	10	24.88	24.70	24.44	1.18	1.18	1.16	0.05	0.10	0.16
TaoVA-100x	10	204.38	175.01	114.08	1.59	2.12	1.68	0.04	0.07	0.20
TCP Vegas	10	315.94	342.55	242.60	2.43	2.83	2.23	0.05	0.08	0.21
Verus	10	220.73	154.74	114.87	13.22	7.52	7.44	0.12	0.09	0.21
Copa	10	86.05	83.79	76.31	1.11	1.14	1.15	0.04	0.08	0.13
FillP	10	449.99	465.11	409.23	22.36	4.18	3.89	0.19	0.10	0.27
Indigo-1-32	10	169.69	153.00	122.57	1.24	1.45	1.39	0.06	0.10	0.17
Vivace-latency	10	232.27	120.58	78.60	40.78	5.70	1.19	0.41	0.08	0.29
Vivace-loss	10	301.01	212.44	148.36	89.52	27.40	1.97	1.85	0.12	0.20
Vivace-LTE	10	291.56	169.93	110.65	30.82	2.15	1.46	0.40	0.08	0.23

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 17:25:54
End at: 2018-04-03 17:26:24
Local clock offset: 0.261 ms
Remote clock offset: -3.917 ms

Below is generated by plot.py at 2018-04-04 03:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.61 Mbit/s
95th percentile per-packet one-way delay: 12.416 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 519.98 Mbit/s
95th percentile per-packet one-way delay: 12.537 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 385.18 Mbit/s
95th percentile per-packet one-way delay: 15.022 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.18 Mbit/s
95th percentile per-packet one-way delay: 4.278 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-03 17:54:57

End at: 2018-04-03 17:55:27

Local clock offset: 0.335 ms

Remote clock offset: -4.45 ms

Below is generated by plot.py at 2018-04-04 03:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 874.22 Mbit/s

95th percentile per-packet one-way delay: 19.484 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 510.59 Mbit/s

95th percentile per-packet one-way delay: 14.003 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 387.10 Mbit/s

95th percentile per-packet one-way delay: 22.176 ms

Loss rate: 0.10%

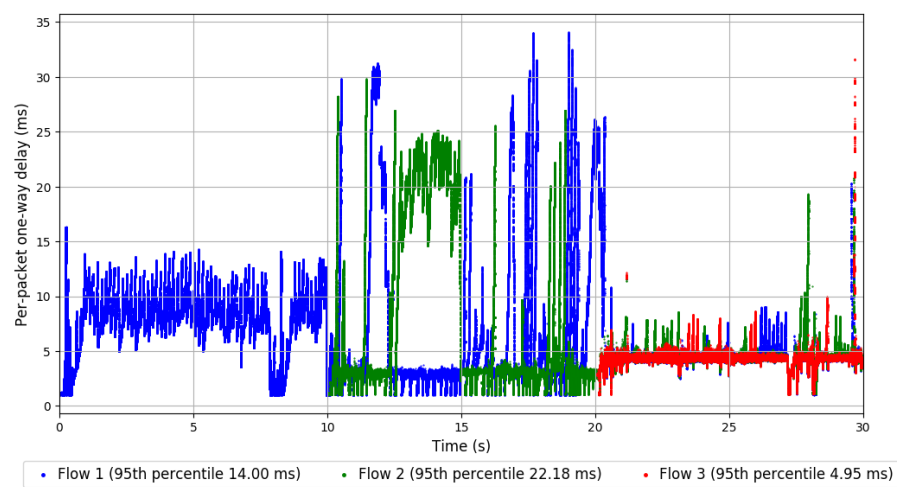
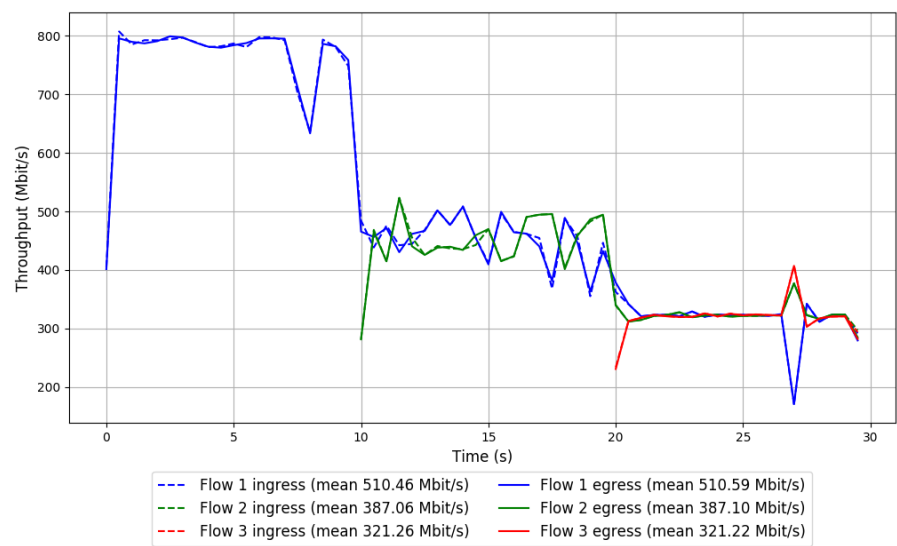
-- Flow 3:

Average throughput: 321.22 Mbit/s

95th percentile per-packet one-way delay: 4.948 ms

Loss rate: 0.23%

Run 2: Report of TCP BBR — Data Link

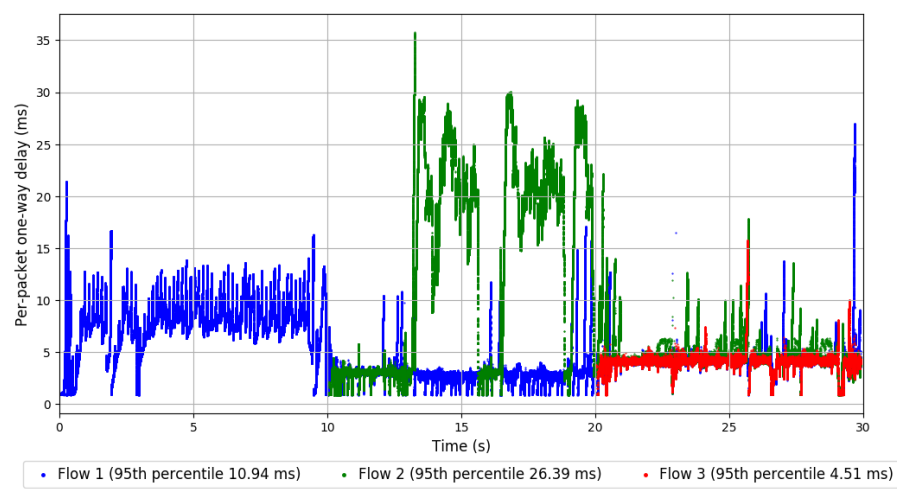
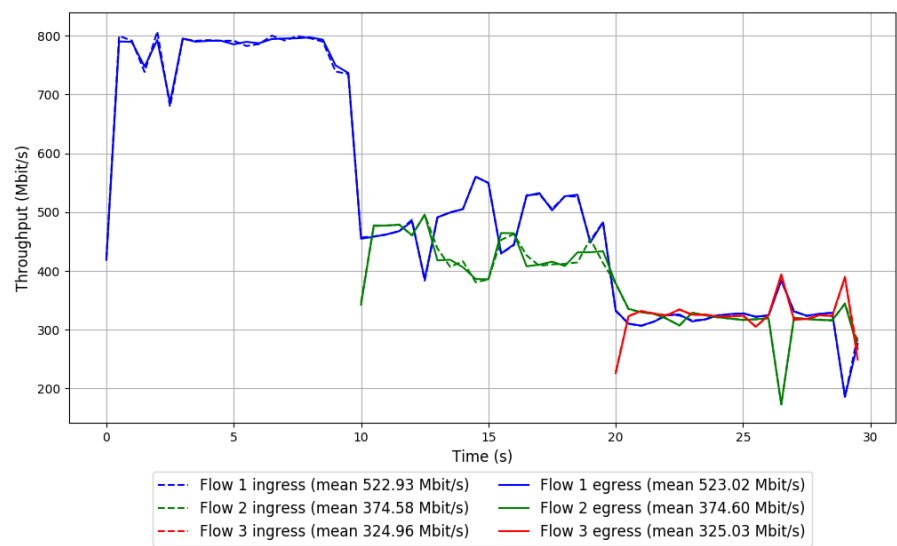


Run 3: Statistics of TCP BBR

Start at: 2018-04-03 18:23:51
End at: 2018-04-03 18:24:22
Local clock offset: 0.031 ms
Remote clock offset: -6.366 ms

Below is generated by plot.py at 2018-04-04 03:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 879.86 Mbit/s
95th percentile per-packet one-way delay: 20.461 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 523.02 Mbit/s
95th percentile per-packet one-way delay: 10.943 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 374.60 Mbit/s
95th percentile per-packet one-way delay: 26.389 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.03 Mbit/s
95th percentile per-packet one-way delay: 4.510 ms
Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link

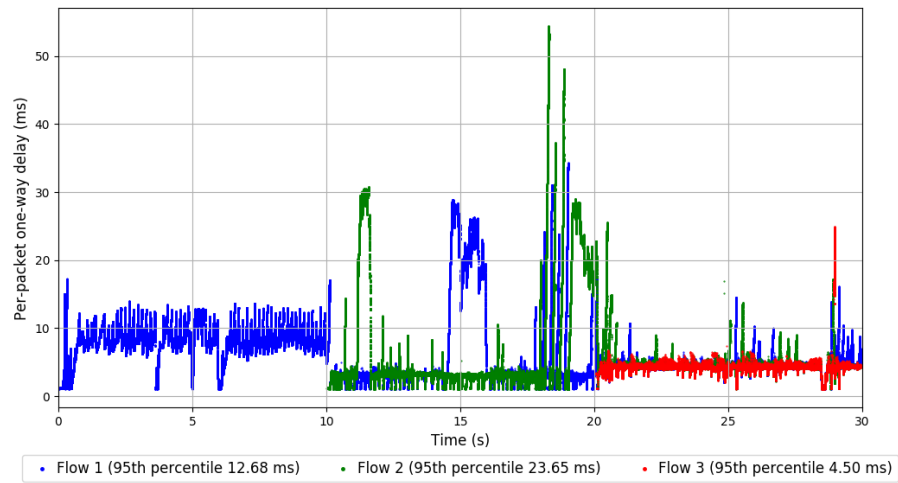
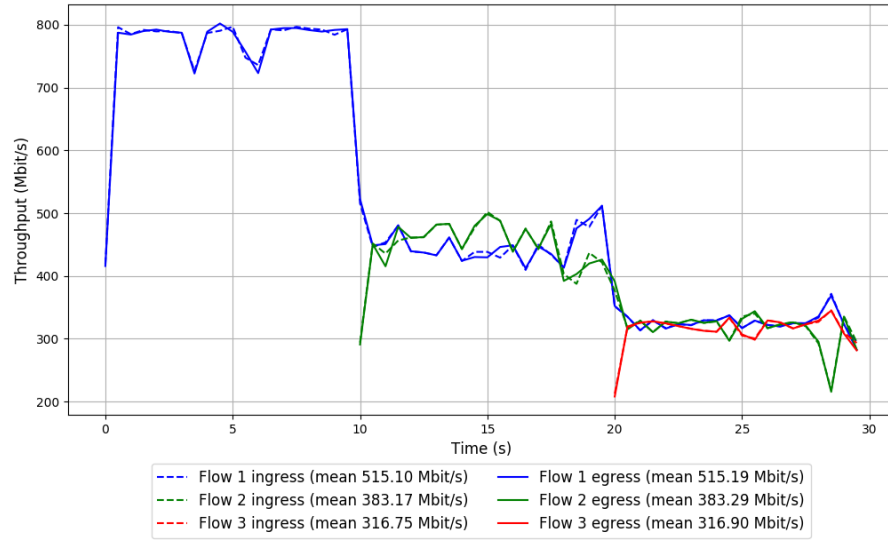


Run 4: Statistics of TCP BBR

Start at: 2018-04-03 18:52:49
End at: 2018-04-03 18:53:19
Local clock offset: 0.245 ms
Remote clock offset: -6.008 ms

Below is generated by plot.py at 2018-04-04 03:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.98 Mbit/s
95th percentile per-packet one-way delay: 16.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 515.19 Mbit/s
95th percentile per-packet one-way delay: 12.680 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.29 Mbit/s
95th percentile per-packet one-way delay: 23.648 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.90 Mbit/s
95th percentile per-packet one-way delay: 4.504 ms
Loss rate: 0.24%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-03 19:21:41

End at: 2018-04-03 19:22:11

Local clock offset: 0.518 ms

Remote clock offset: 1.111 ms

Below is generated by plot.py at 2018-04-04 03:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 862.43 Mbit/s

95th percentile per-packet one-way delay: 14.009 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 500.16 Mbit/s

95th percentile per-packet one-way delay: 14.565 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 384.04 Mbit/s

95th percentile per-packet one-way delay: 10.818 ms

Loss rate: 0.00%

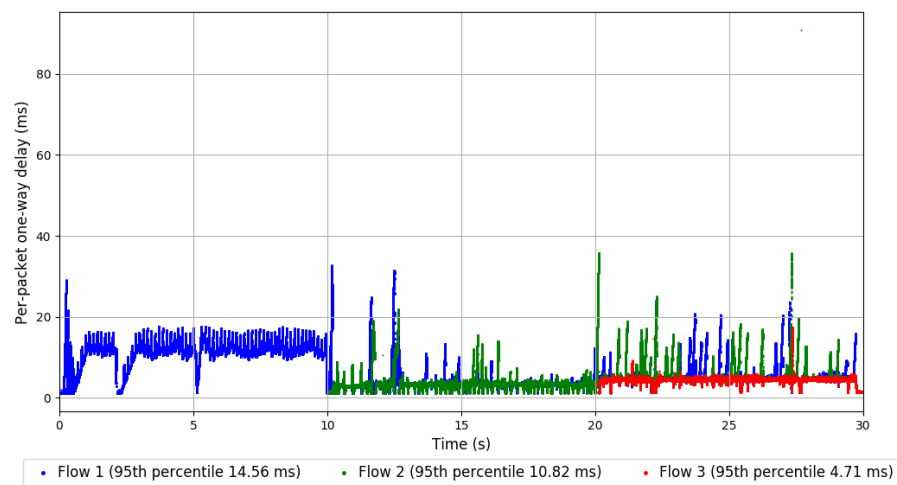
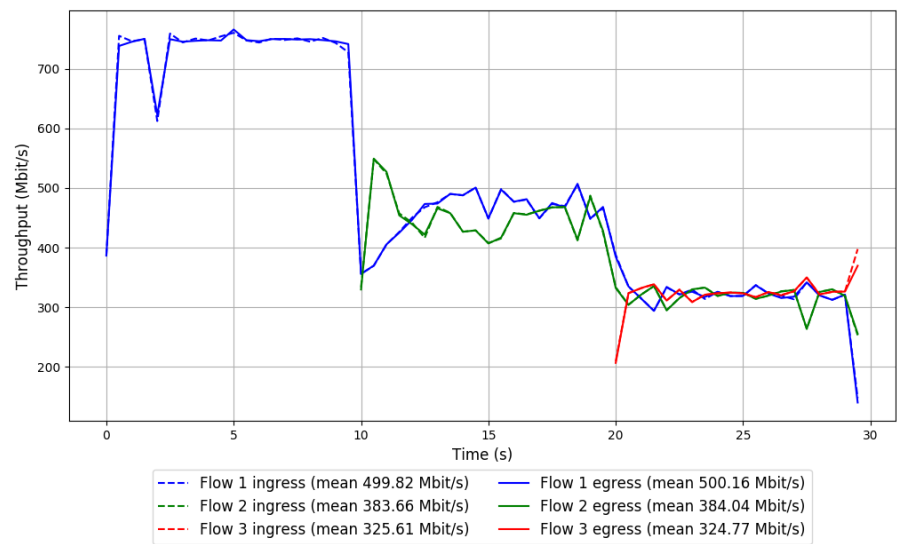
-- Flow 3:

Average throughput: 324.77 Mbit/s

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

Loss rate: 0.48%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-03 19:50:21

End at: 2018-04-03 19:50:51

Local clock offset: 0.162 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-04-04 03:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 860.52 Mbit/s

95th percentile per-packet one-way delay: 20.490 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 507.59 Mbit/s

95th percentile per-packet one-way delay: 12.989 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 371.36 Mbit/s

95th percentile per-packet one-way delay: 25.151 ms

Loss rate: 0.00%

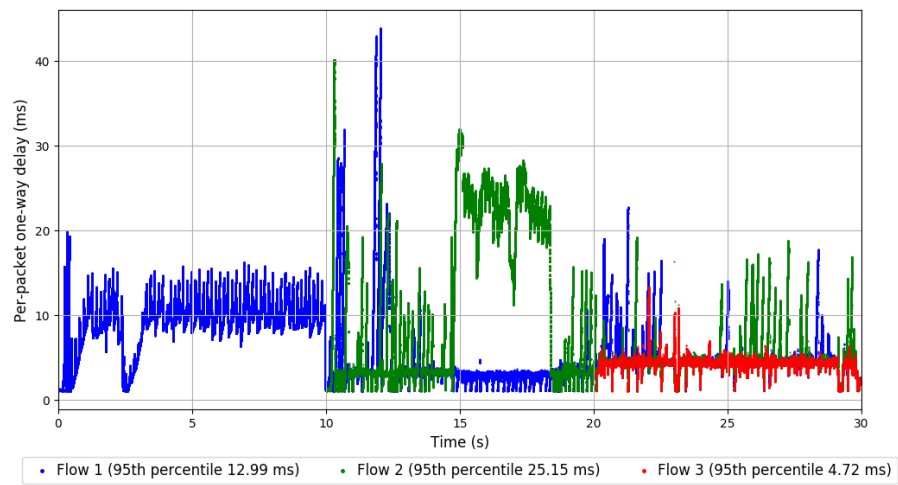
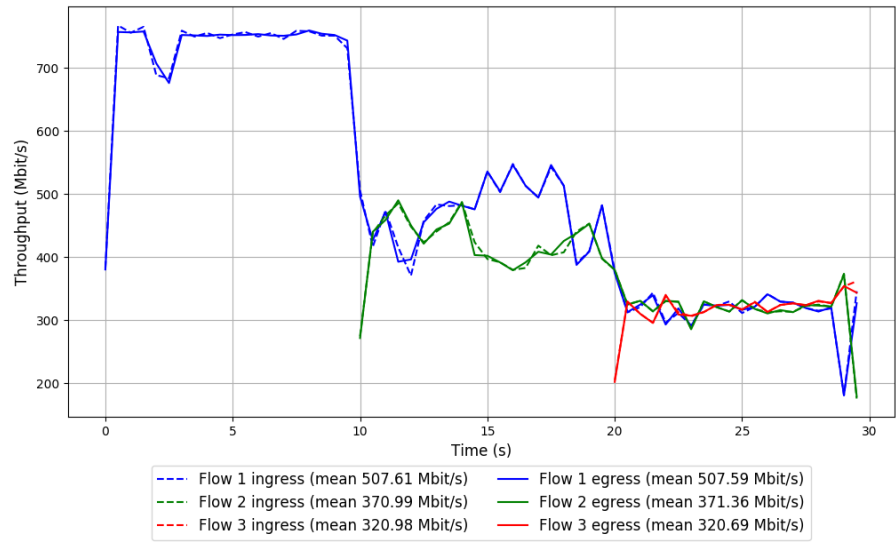
-- Flow 3:

Average throughput: 320.69 Mbit/s

95th percentile per-packet one-way delay: 4.717 ms

Loss rate: 0.32%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-03 20:19:07

End at: 2018-04-03 20:19:37

Local clock offset: -0.093 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2018-04-04 03:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 864.32 Mbit/s

95th percentile per-packet one-way delay: 14.138 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 499.14 Mbit/s

95th percentile per-packet one-way delay: 16.992 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 388.76 Mbit/s

95th percentile per-packet one-way delay: 5.672 ms

Loss rate: 0.09%

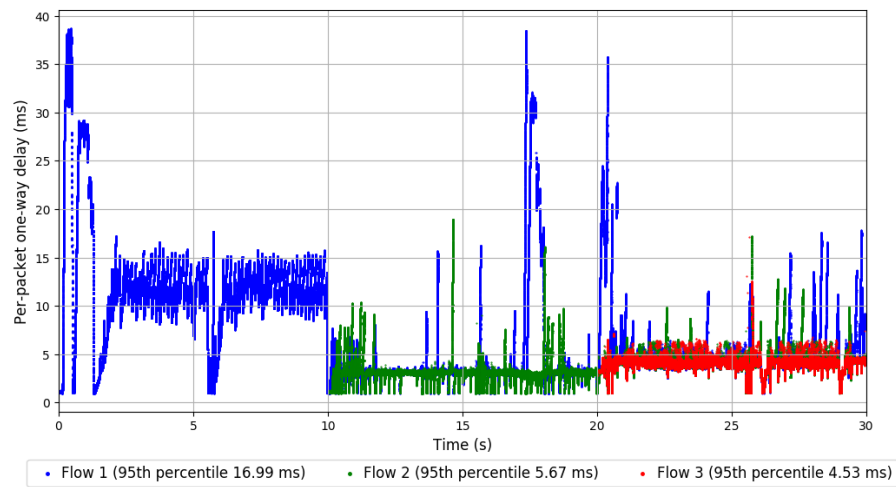
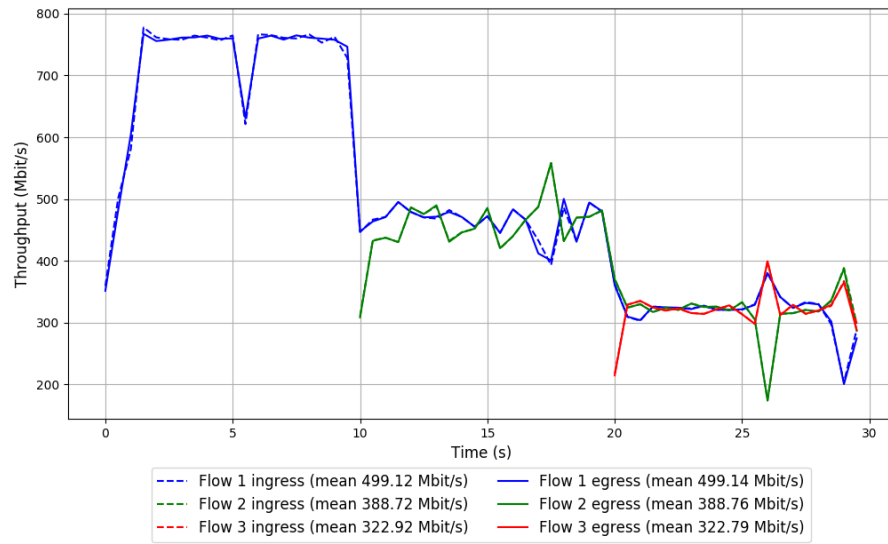
-- Flow 3:

Average throughput: 322.79 Mbit/s

95th percentile per-packet one-way delay: 4.529 ms

Loss rate: 0.22%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-03 20:47:49

End at: 2018-04-03 20:48:19

Local clock offset: 0.386 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-04-04 03:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 881.72 Mbit/s

95th percentile per-packet one-way delay: 21.223 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 513.57 Mbit/s

95th percentile per-packet one-way delay: 20.559 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 395.35 Mbit/s

95th percentile per-packet one-way delay: 26.653 ms

Loss rate: 0.00%

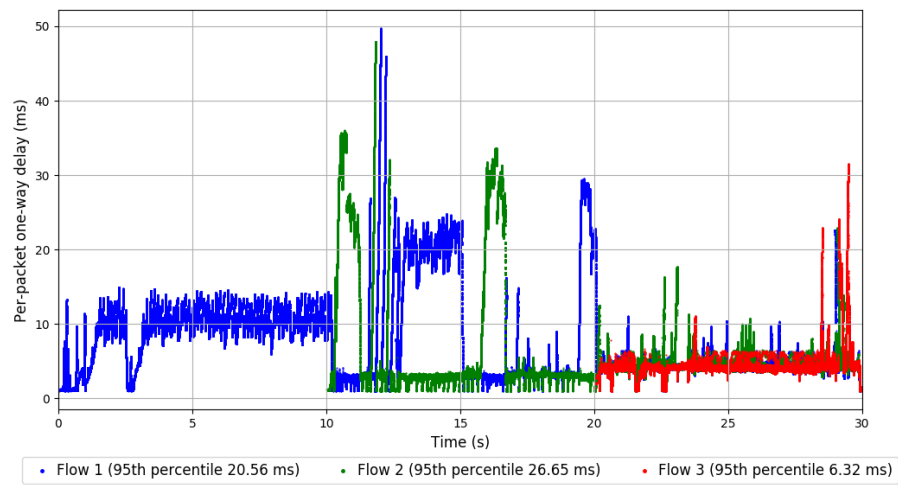
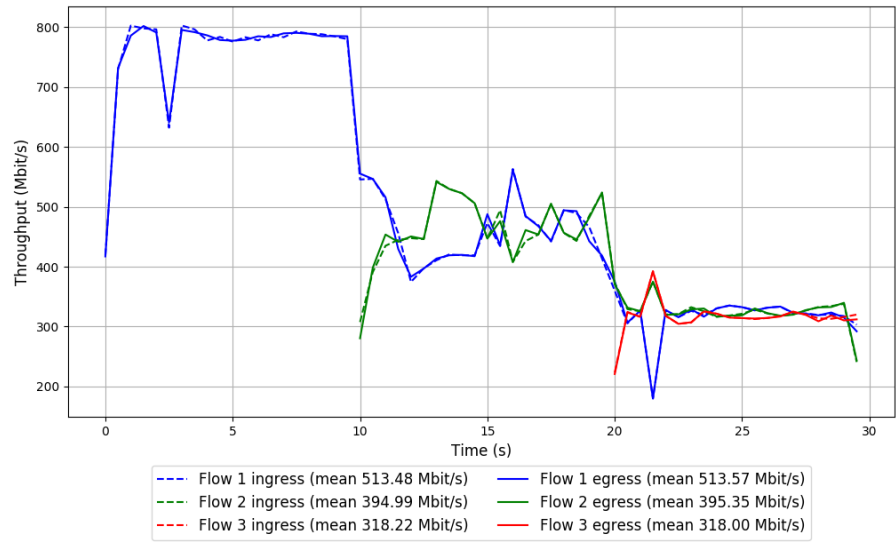
-- Flow 3:

Average throughput: 318.00 Mbit/s

95th percentile per-packet one-way delay: 6.321 ms

Loss rate: 0.26%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-03 21:16:18

End at: 2018-04-03 21:16:48

Local clock offset: 0.727 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2018-04-04 03:16:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 820.34 Mbit/s

95th percentile per-packet one-way delay: 20.779 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 453.24 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 392.77 Mbit/s

95th percentile per-packet one-way delay: 13.190 ms

Loss rate: 0.09%

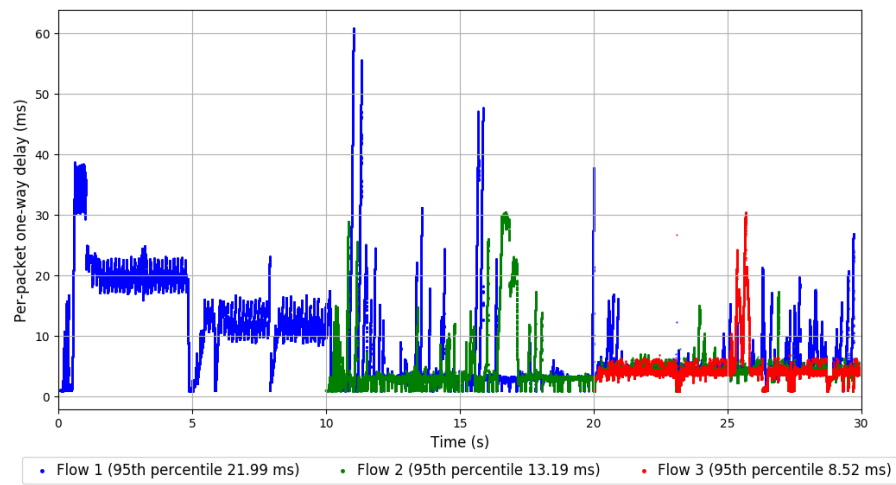
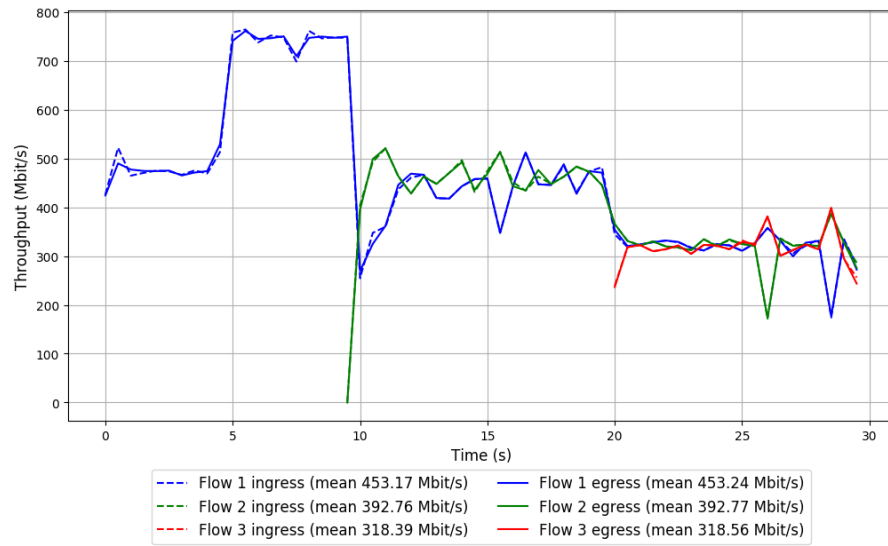
-- Flow 3:

Average throughput: 318.56 Mbit/s

95th percentile per-packet one-way delay: 8.517 ms

Loss rate: 0.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-03 21:45:03

End at: 2018-04-03 21:45:33

Local clock offset: 1.027 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2018-04-04 03:17:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 873.86 Mbit/s

95th percentile per-packet one-way delay: 13.444 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 507.98 Mbit/s

95th percentile per-packet one-way delay: 13.781 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 393.40 Mbit/s

95th percentile per-packet one-way delay: 6.755 ms

Loss rate: 0.09%

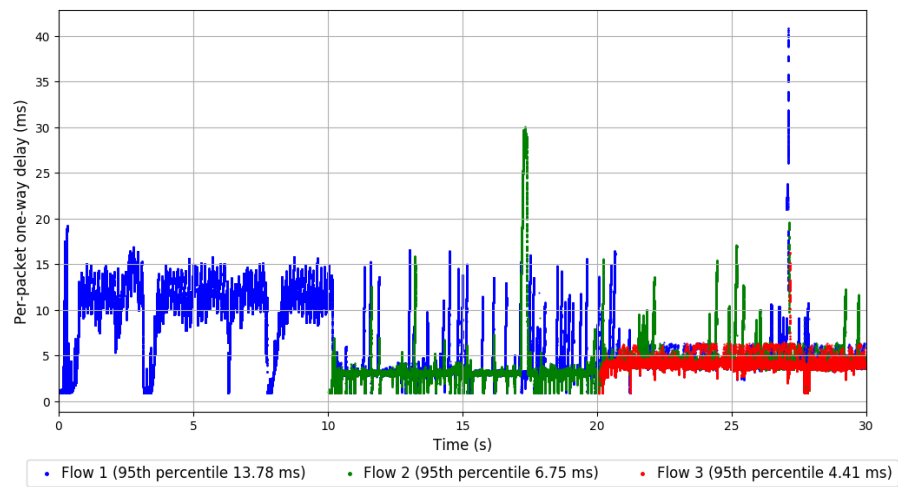
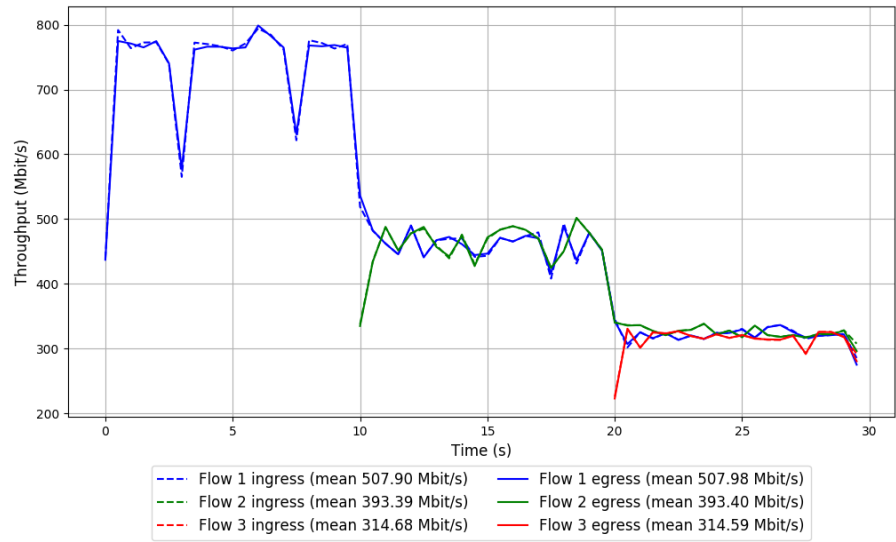
-- Flow 3:

Average throughput: 314.59 Mbit/s

95th percentile per-packet one-way delay: 4.409 ms

Loss rate: 0.22%

Run 10: Report of TCP BBR — Data Link

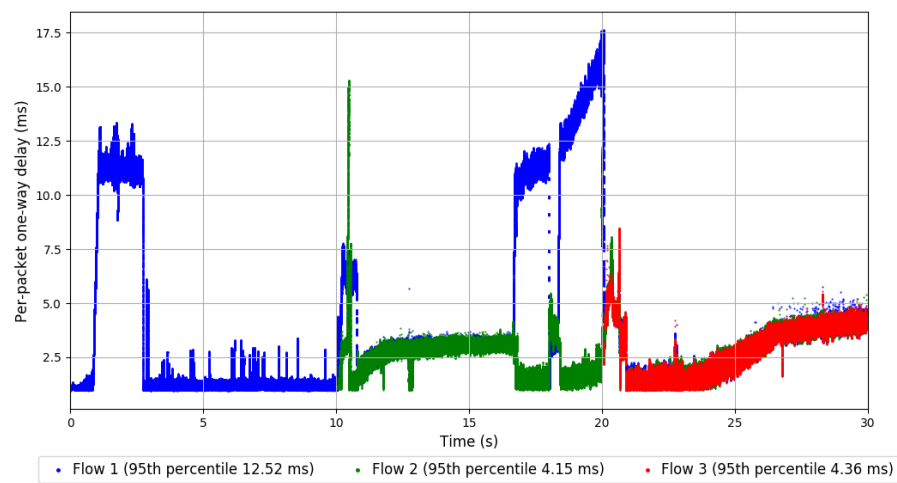
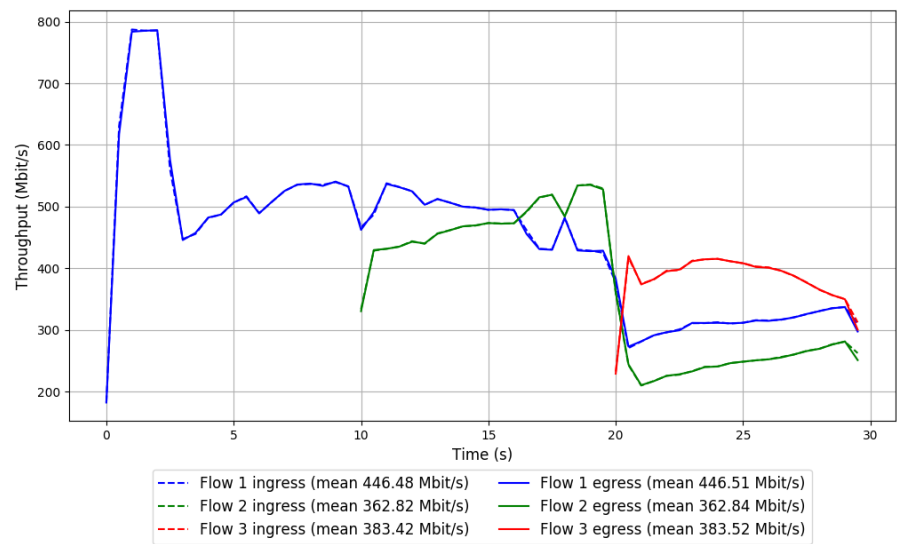


Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 17:16:33
End at: 2018-04-03 17:17:03
Local clock offset: 0.3 ms
Remote clock offset: -4.139 ms

Below is generated by plot.py at 2018-04-04 03:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.61 Mbit/s
95th percentile per-packet one-way delay: 11.402 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 446.51 Mbit/s
95th percentile per-packet one-way delay: 12.523 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 362.84 Mbit/s
95th percentile per-packet one-way delay: 4.151 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 383.52 Mbit/s
95th percentile per-packet one-way delay: 4.362 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

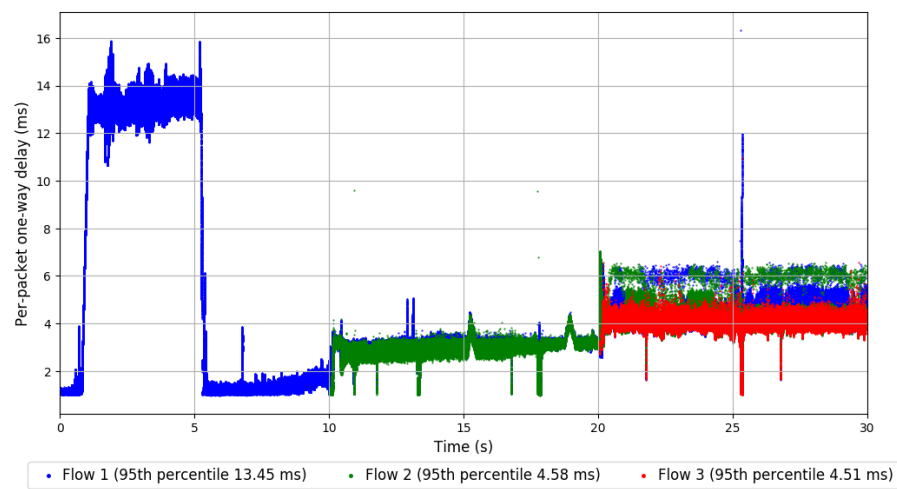
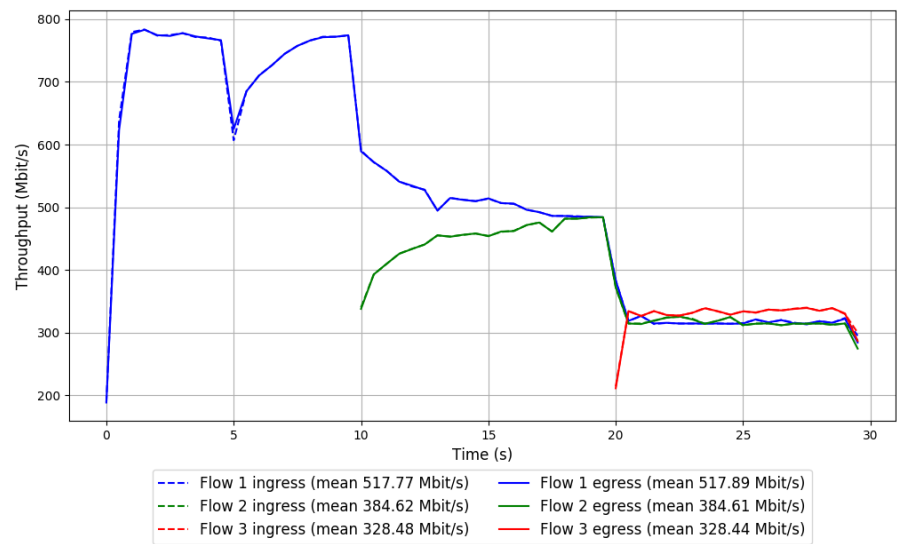


Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 17:45:30
End at: 2018-04-03 17:46:00
Local clock offset: 0.461 ms
Remote clock offset: -4.551 ms

Below is generated by plot.py at 2018-04-04 03:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.59 Mbit/s
95th percentile per-packet one-way delay: 13.130 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 517.89 Mbit/s
95th percentile per-packet one-way delay: 13.445 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 384.61 Mbit/s
95th percentile per-packet one-way delay: 4.577 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 328.44 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

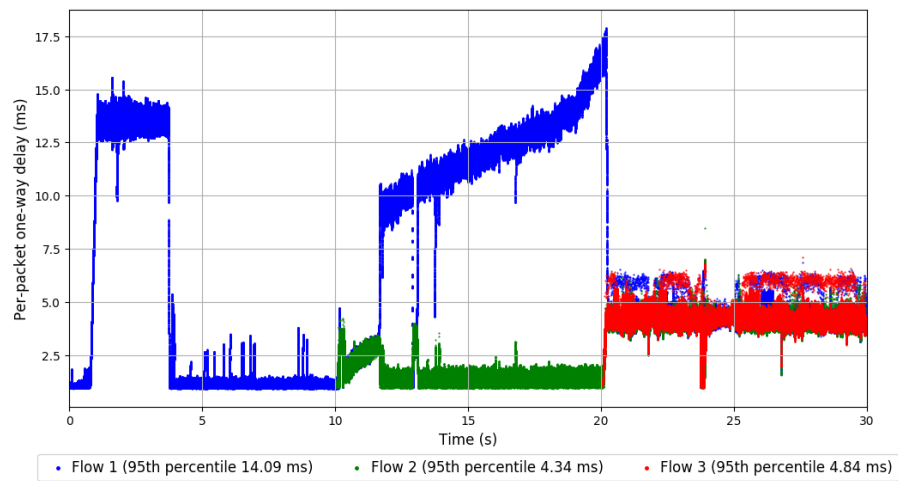
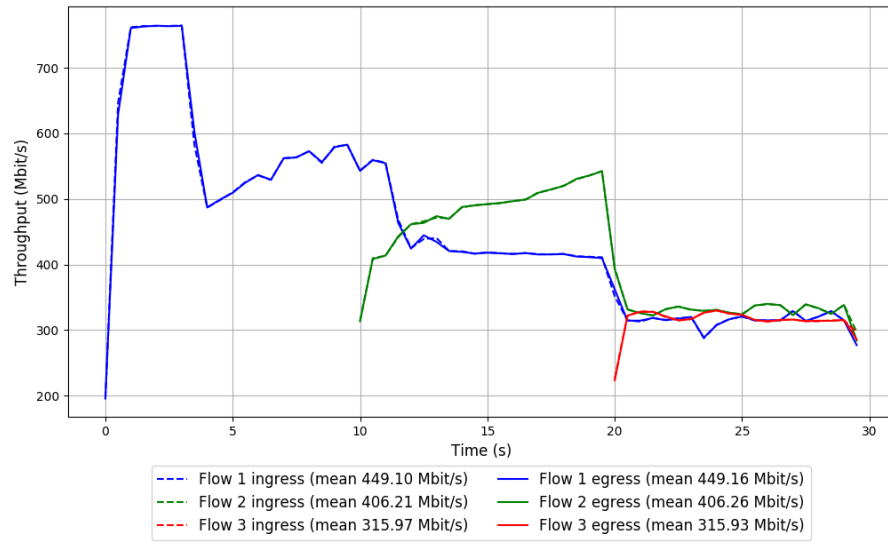


Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 18:14:31
End at: 2018-04-03 18:15:01
Local clock offset: 0.15 ms
Remote clock offset: -6.065 ms

Below is generated by plot.py at 2018-04-04 03:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.24 Mbit/s
95th percentile per-packet one-way delay: 13.635 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 449.16 Mbit/s
95th percentile per-packet one-way delay: 14.090 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 406.26 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.93 Mbit/s
95th percentile per-packet one-way delay: 4.840 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

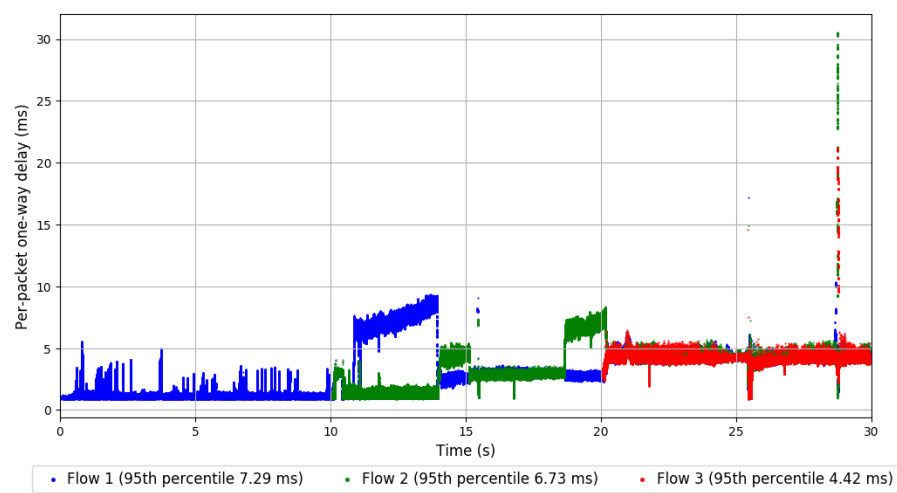
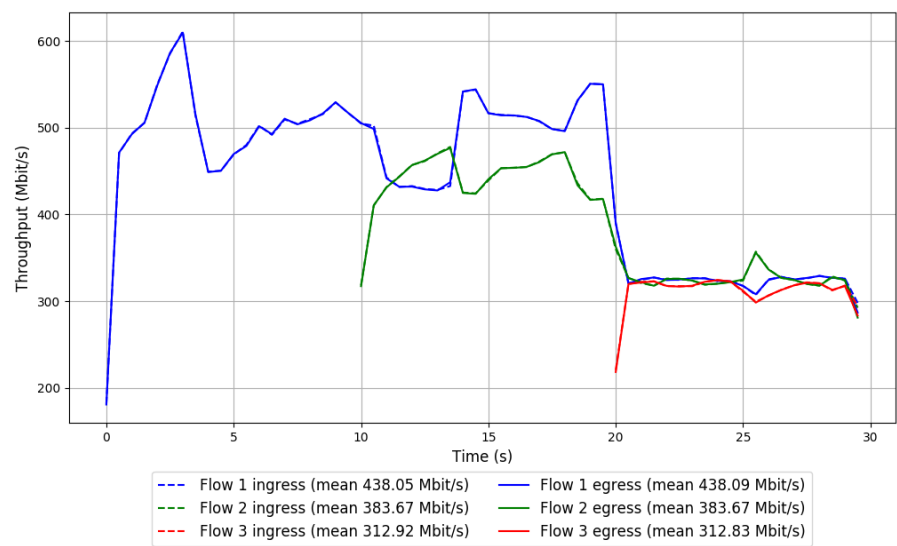


Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 18:43:29
End at: 2018-04-03 18:43:59
Local clock offset: 0.052 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-04-04 03:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 797.23 Mbit/s
95th percentile per-packet one-way delay: 6.894 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 438.09 Mbit/s
95th percentile per-packet one-way delay: 7.289 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.67 Mbit/s
95th percentile per-packet one-way delay: 6.727 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.83 Mbit/s
95th percentile per-packet one-way delay: 4.416 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

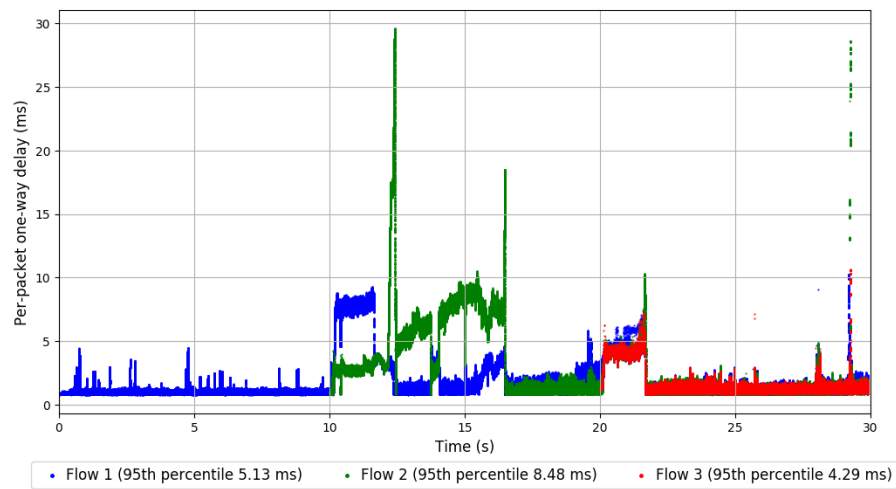
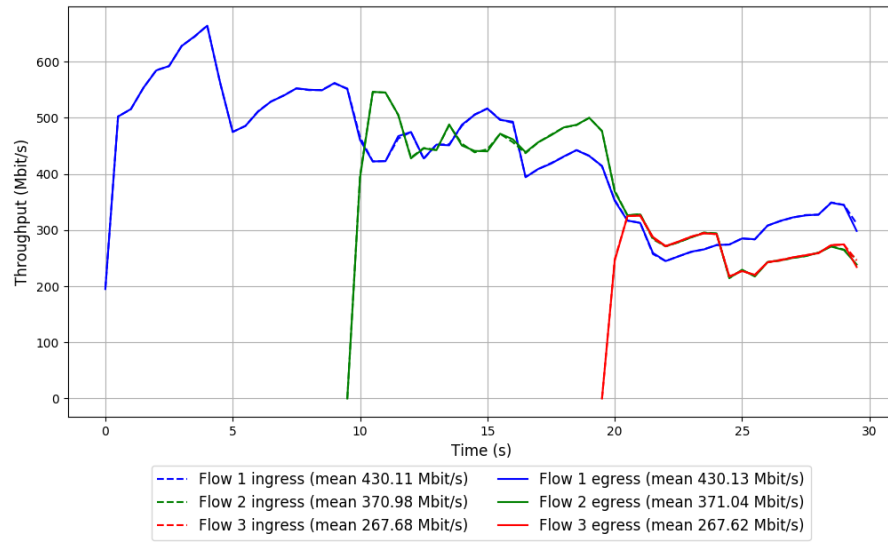


Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 19:12:24
End at: 2018-04-03 19:12:54
Local clock offset: 0.423 ms
Remote clock offset: -5.507 ms

Below is generated by plot.py at 2018-04-04 03:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 766.06 Mbit/s
95th percentile per-packet one-way delay: 7.670 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 430.13 Mbit/s
95th percentile per-packet one-way delay: 5.134 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 371.04 Mbit/s
95th percentile per-packet one-way delay: 8.482 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 267.62 Mbit/s
95th percentile per-packet one-way delay: 4.285 ms
Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 19:41:08

End at: 2018-04-03 19:41:38

Local clock offset: 0.206 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-04-04 03:17:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 784.58 Mbit/s

95th percentile per-packet one-way delay: 5.341 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 433.55 Mbit/s

95th percentile per-packet one-way delay: 7.892 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 370.97 Mbit/s

95th percentile per-packet one-way delay: 4.440 ms

Loss rate: 0.10%

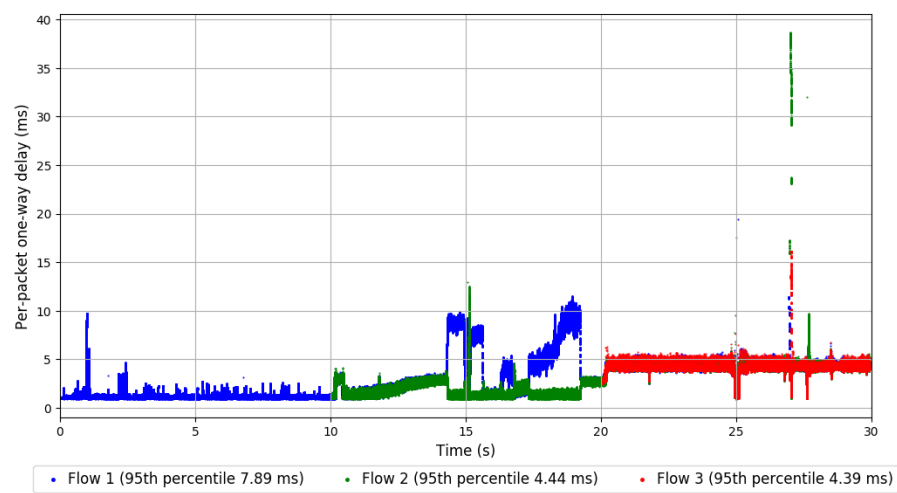
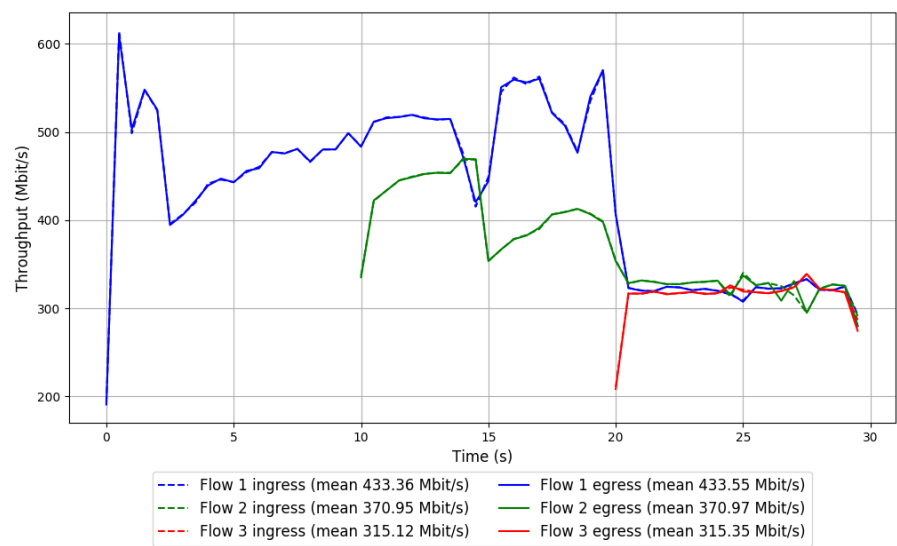
-- Flow 3:

Average throughput: 315.35 Mbit/s

95th percentile per-packet one-way delay: 4.390 ms

Loss rate: 0.24%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 20:09:46

End at: 2018-04-03 20:10:16

Local clock offset: -0.058 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2018-04-04 03:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 855.48 Mbit/s

95th percentile per-packet one-way delay: 9.352 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 487.32 Mbit/s

95th percentile per-packet one-way delay: 13.801 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 396.73 Mbit/s

95th percentile per-packet one-way delay: 5.632 ms

Loss rate: 0.09%

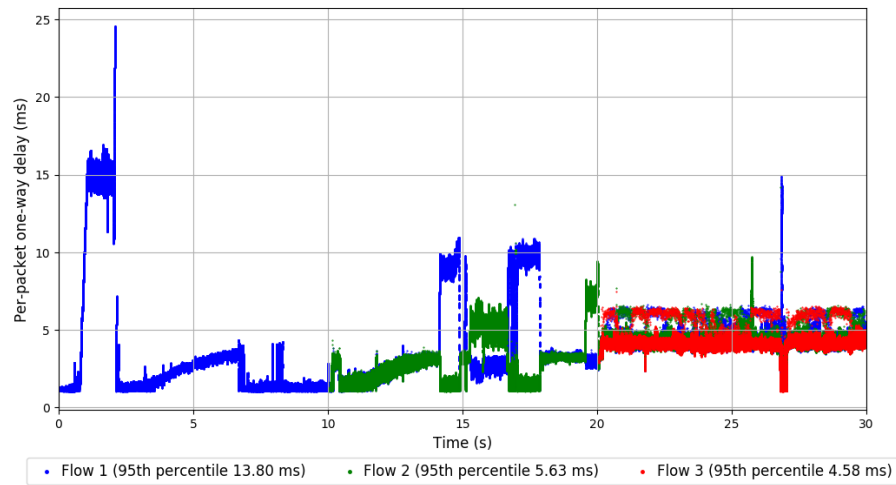
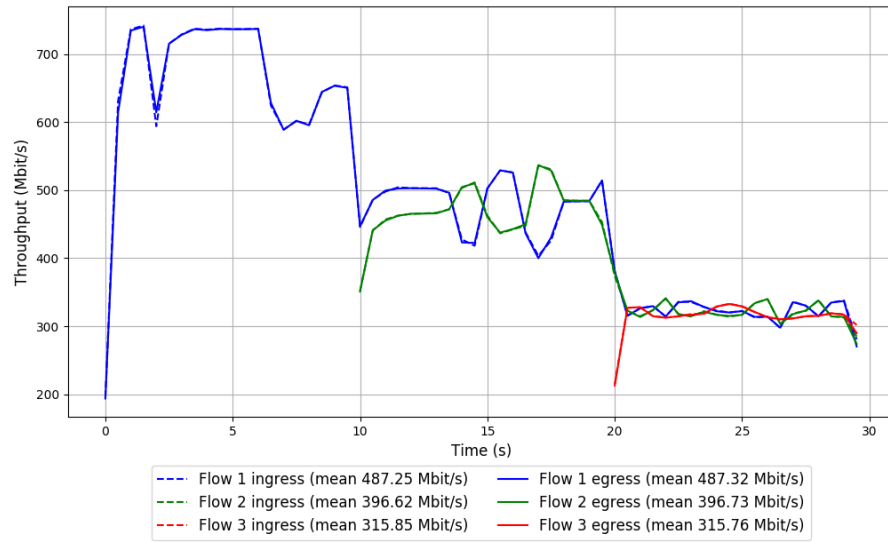
-- Flow 3:

Average throughput: 315.76 Mbit/s

95th percentile per-packet one-way delay: 4.575 ms

Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 20:38:38

End at: 2018-04-03 20:39:08

Local clock offset: -0.117 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-04-04 03:28:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 849.95 Mbit/s

95th percentile per-packet one-way delay: 15.020 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 498.39 Mbit/s

95th percentile per-packet one-way delay: 15.697 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 345.53 Mbit/s

95th percentile per-packet one-way delay: 4.497 ms

Loss rate: 0.08%

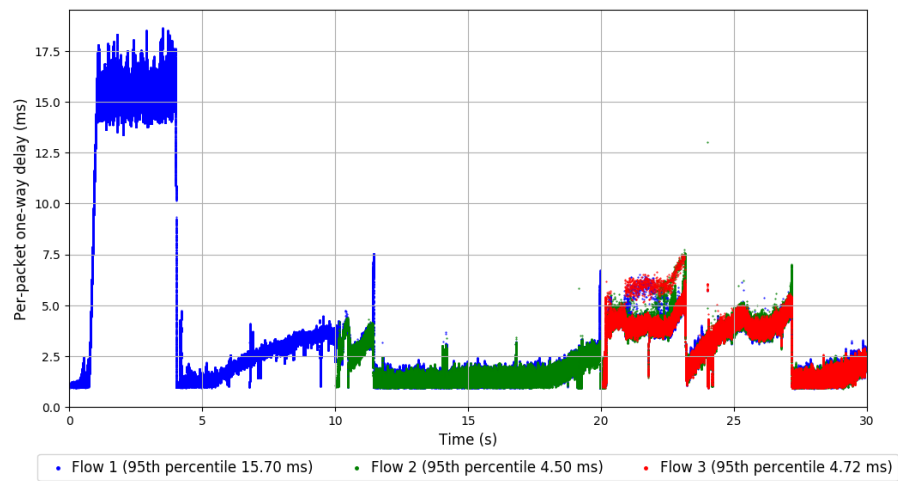
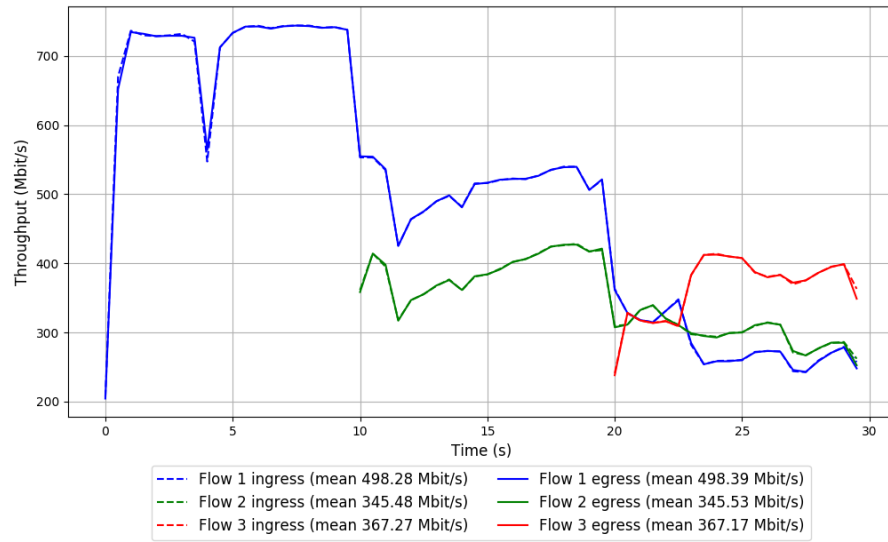
-- Flow 3:

Average throughput: 367.17 Mbit/s

95th percentile per-packet one-way delay: 4.724 ms

Loss rate: 0.21%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 21:07:09

End at: 2018-04-03 21:07:39

Local clock offset: 0.666 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2018-04-04 03:28:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 799.11 Mbit/s

95th percentile per-packet one-way delay: 5.535 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 432.48 Mbit/s

95th percentile per-packet one-way delay: 6.211 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 402.26 Mbit/s

95th percentile per-packet one-way delay: 4.515 ms

Loss rate: 0.10%

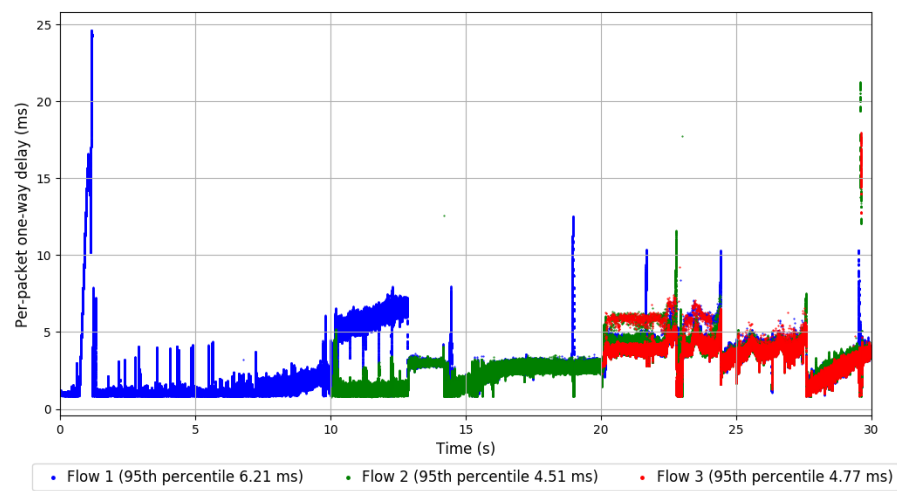
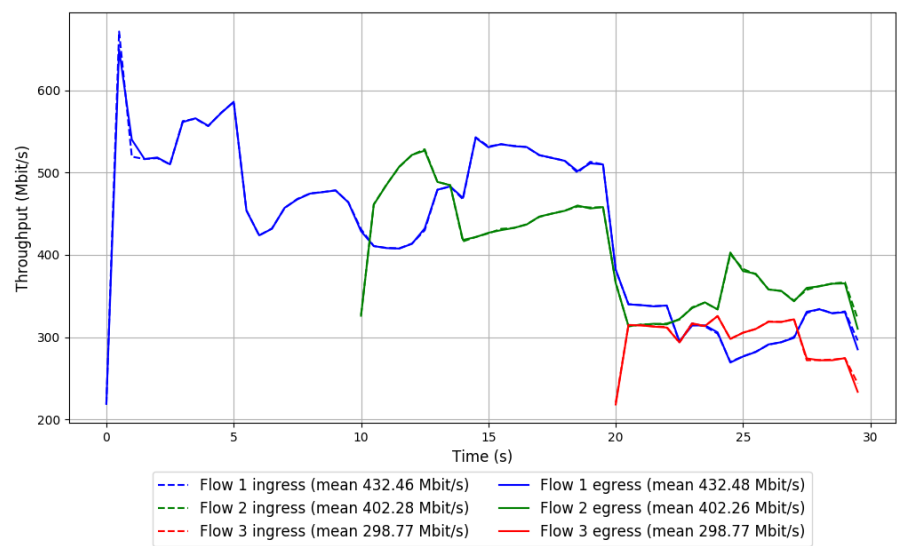
-- Flow 3:

Average throughput: 298.77 Mbit/s

95th percentile per-packet one-way delay: 4.768 ms

Loss rate: 0.20%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 21:35:49

End at: 2018-04-03 21:36:19

Local clock offset: 1.03 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2018-04-04 03:29:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 885.58 Mbit/s

95th percentile per-packet one-way delay: 11.329 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 508.12 Mbit/s

95th percentile per-packet one-way delay: 12.857 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 412.63 Mbit/s

95th percentile per-packet one-way delay: 4.585 ms

Loss rate: 0.09%

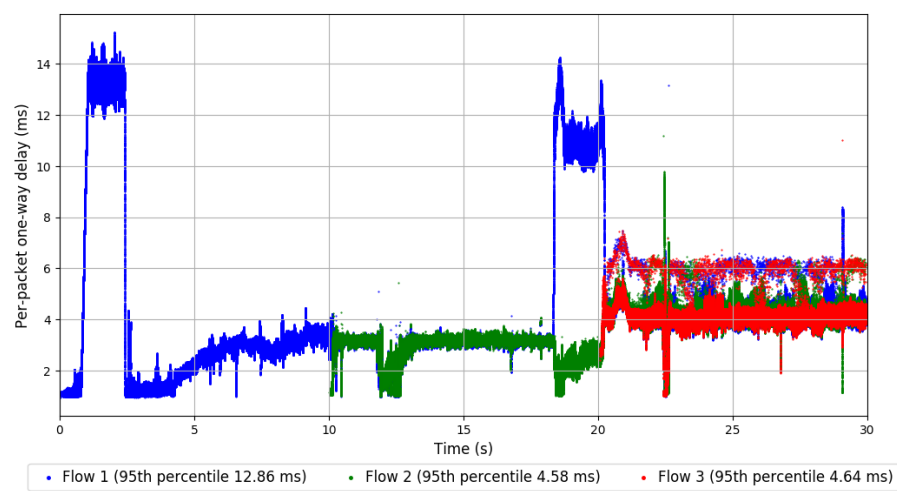
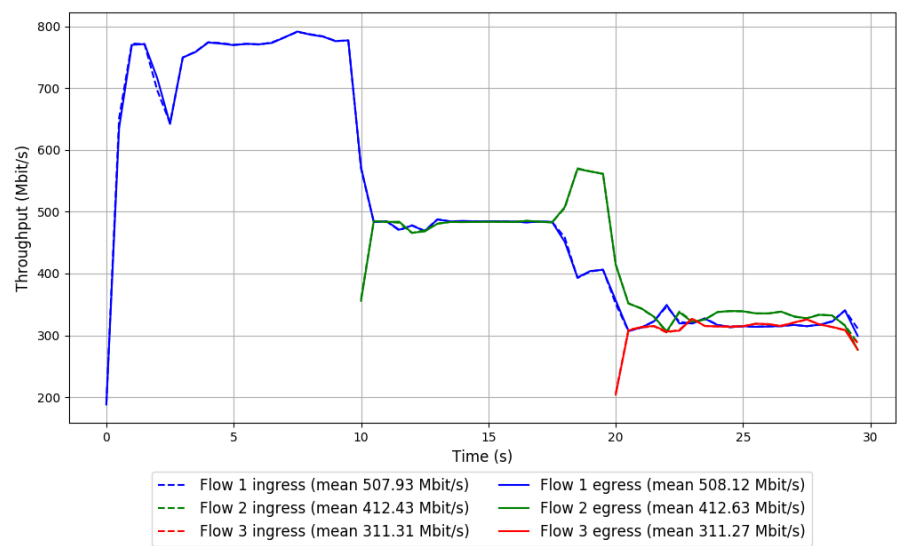
-- Flow 3:

Average throughput: 311.27 Mbit/s

95th percentile per-packet one-way delay: 4.639 ms

Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link

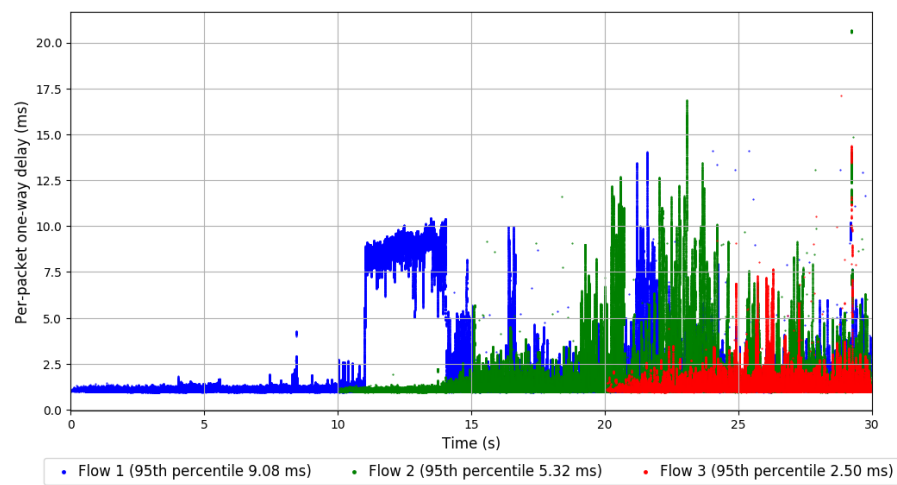
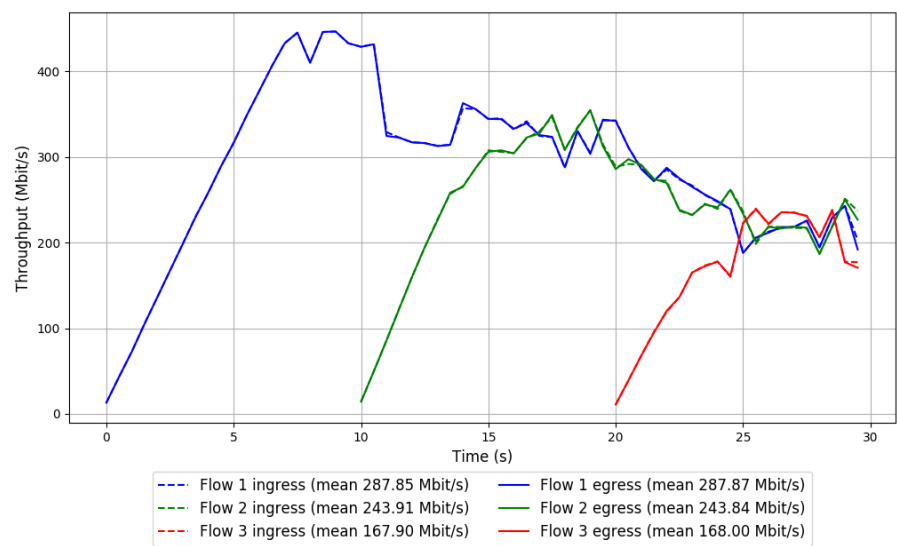


Run 1: Statistics of LEDBAT

Start at: 2018-04-03 17:03:47
End at: 2018-04-03 17:04:17
Local clock offset: 0.343 ms
Remote clock offset: -4.395 ms

Below is generated by plot.py at 2018-04-04 03:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.44 Mbit/s
95th percentile per-packet one-way delay: 8.699 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 287.87 Mbit/s
95th percentile per-packet one-way delay: 9.080 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 243.84 Mbit/s
95th percentile per-packet one-way delay: 5.318 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.21%

Run 1: Report of LEDBAT — Data Link

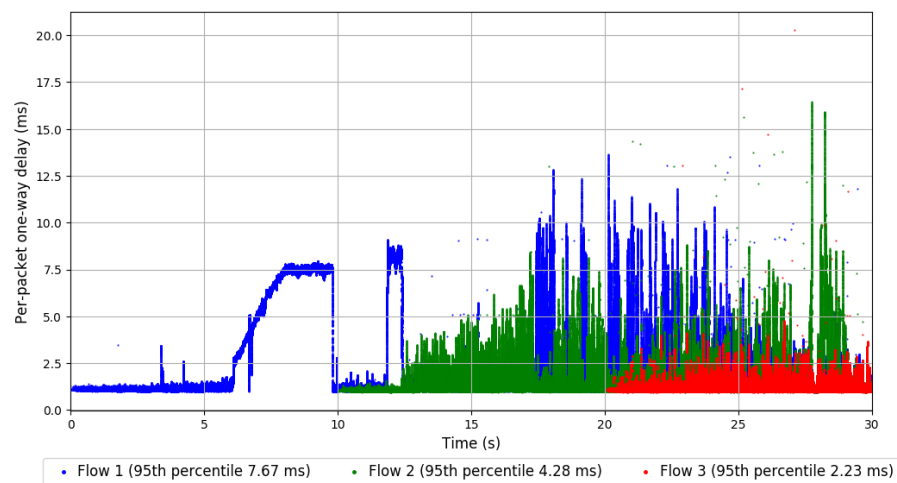
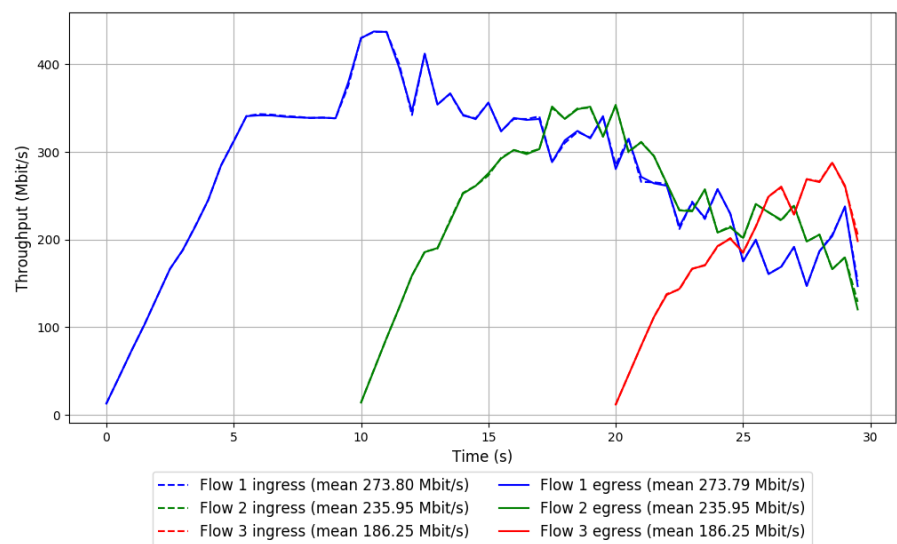


Run 2: Statistics of LEDBAT

Start at: 2018-04-03 17:32:42
End at: 2018-04-03 17:33:12
Local clock offset: 0.374 ms
Remote clock offset: -4.476 ms

Below is generated by plot.py at 2018-04-04 03:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.17 Mbit/s
95th percentile per-packet one-way delay: 7.509 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 273.79 Mbit/s
95th percentile per-packet one-way delay: 7.667 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 235.95 Mbit/s
95th percentile per-packet one-way delay: 4.279 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 2.233 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

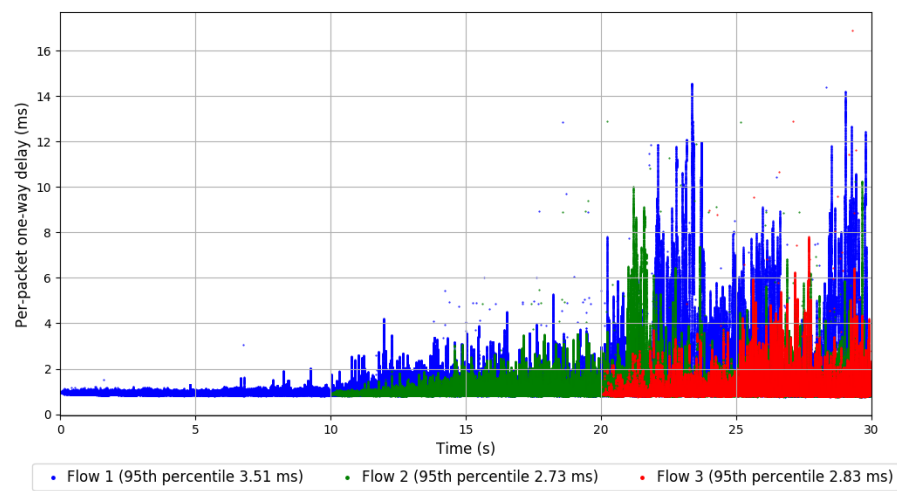
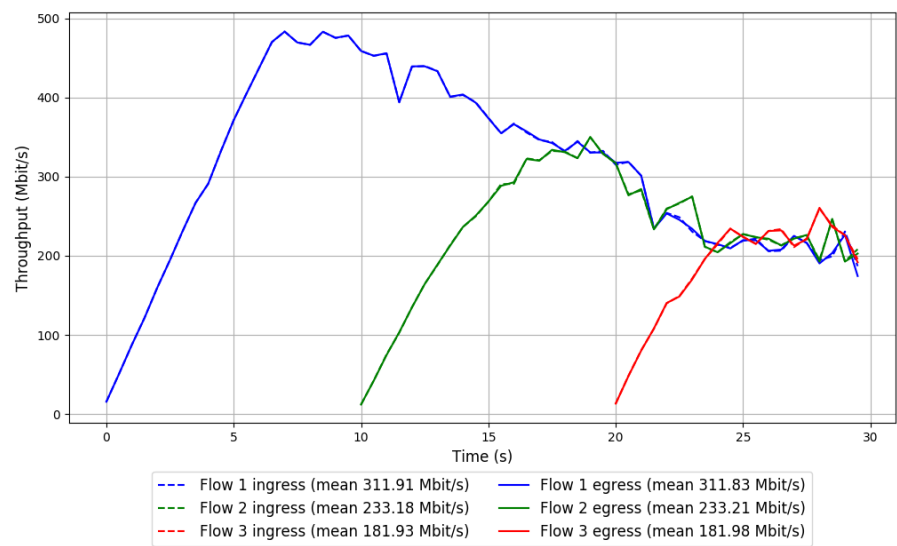


Run 3: Statistics of LEDBAT

Start at: 2018-04-03 18:01:43
End at: 2018-04-03 18:02:13
Local clock offset: 0.238 ms
Remote clock offset: -4.894 ms

Below is generated by plot.py at 2018-04-04 03:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 527.06 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 311.83 Mbit/s
95th percentile per-packet one-way delay: 3.513 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 233.21 Mbit/s
95th percentile per-packet one-way delay: 2.734 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 2.835 ms
Loss rate: 0.15%

Run 3: Report of LEDBAT — Data Link

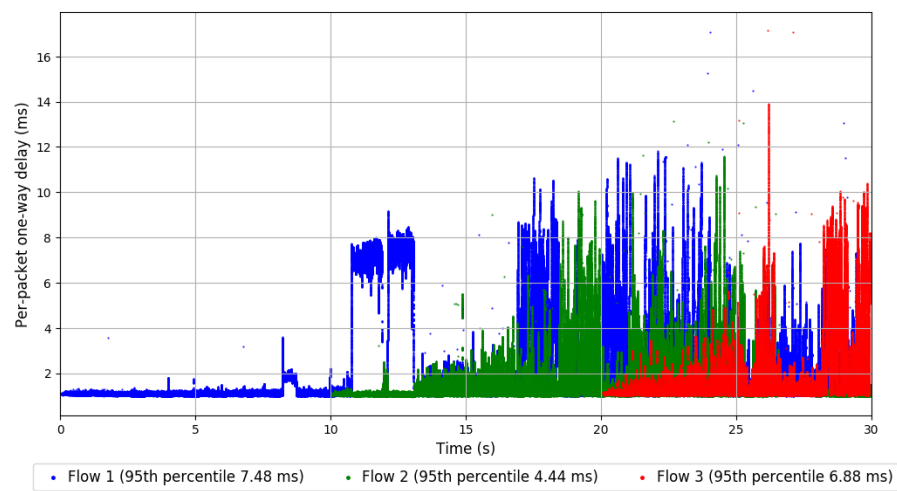
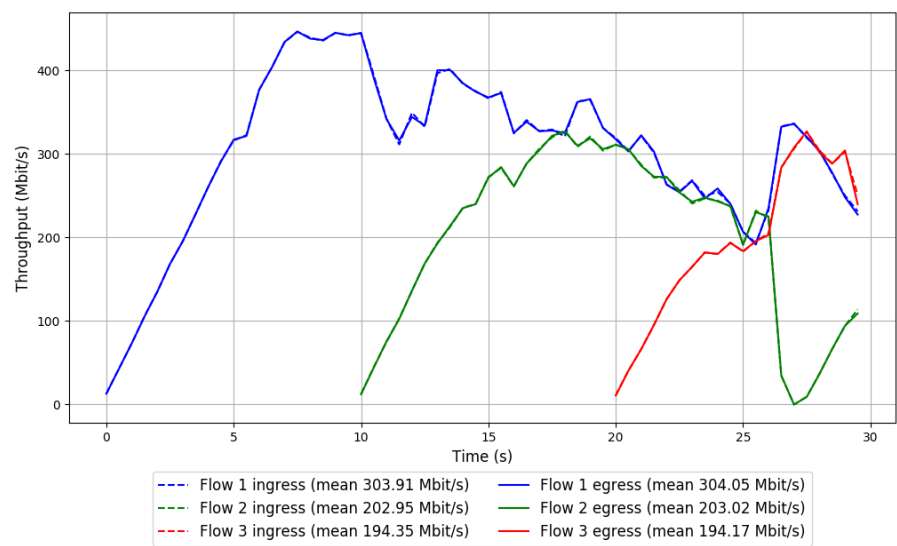


Run 4: Statistics of LEDBAT

Start at: 2018-04-03 18:30:39
End at: 2018-04-03 18:31:09
Local clock offset: 0.058 ms
Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-04-04 03:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 503.26 Mbit/s
95th percentile per-packet one-way delay: 7.222 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 304.05 Mbit/s
95th percentile per-packet one-way delay: 7.480 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 203.02 Mbit/s
95th percentile per-packet one-way delay: 4.440 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 194.17 Mbit/s
95th percentile per-packet one-way delay: 6.883 ms
Loss rate: 0.32%

Run 4: Report of LEDBAT — Data Link

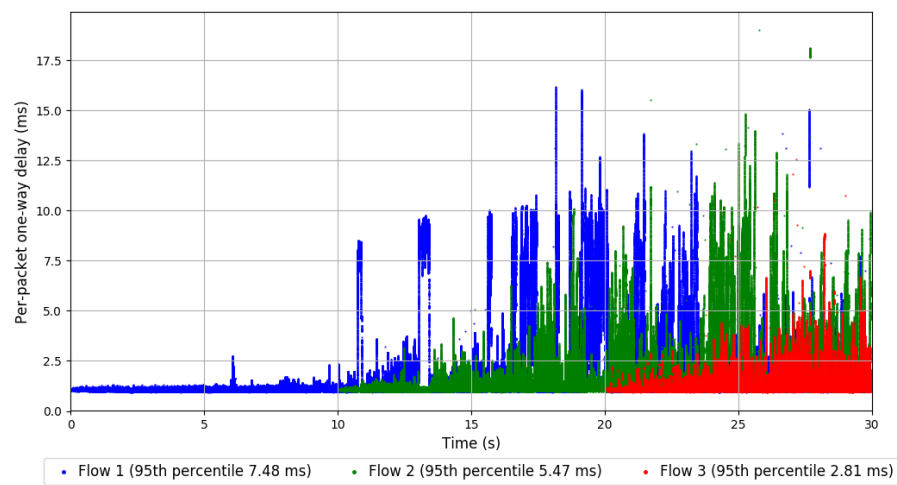
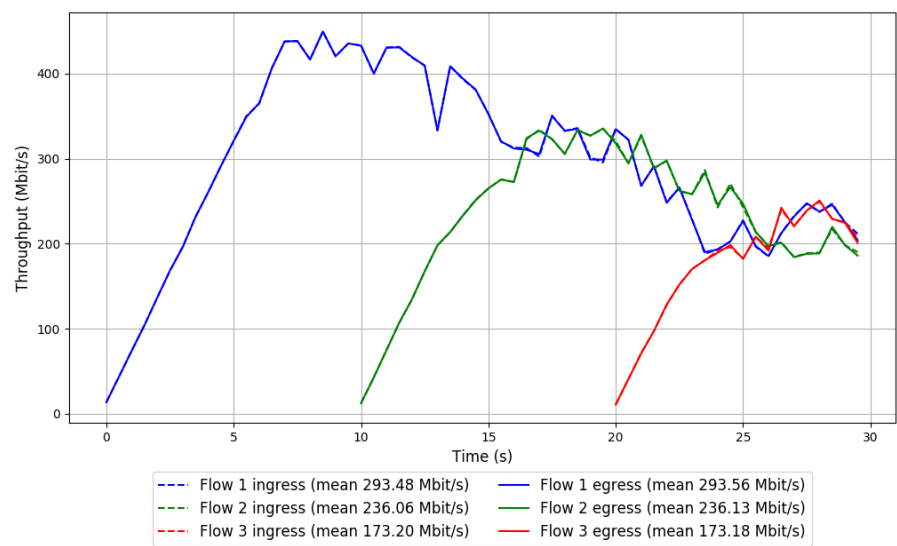


Run 5: Statistics of LEDBAT

Start at: 2018-04-03 18:59:38
End at: 2018-04-03 19:00:08
Local clock offset: 0.366 ms
Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-04-04 03:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.75 Mbit/s
95th percentile per-packet one-way delay: 6.209 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 293.56 Mbit/s
95th percentile per-packet one-way delay: 7.482 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 236.13 Mbit/s
95th percentile per-packet one-way delay: 5.466 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 173.18 Mbit/s
95th percentile per-packet one-way delay: 2.807 ms
Loss rate: 0.21%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-03 19:28:28

End at: 2018-04-03 19:28:58

Local clock offset: 0.443 ms

Remote clock offset: 2.415 ms

Below is generated by plot.py at 2018-04-04 03:31:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.95 Mbit/s

95th percentile per-packet one-way delay: 3.506 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 300.23 Mbit/s

95th percentile per-packet one-way delay: 3.150 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 196.26 Mbit/s

95th percentile per-packet one-way delay: 3.875 ms

Loss rate: 0.12%

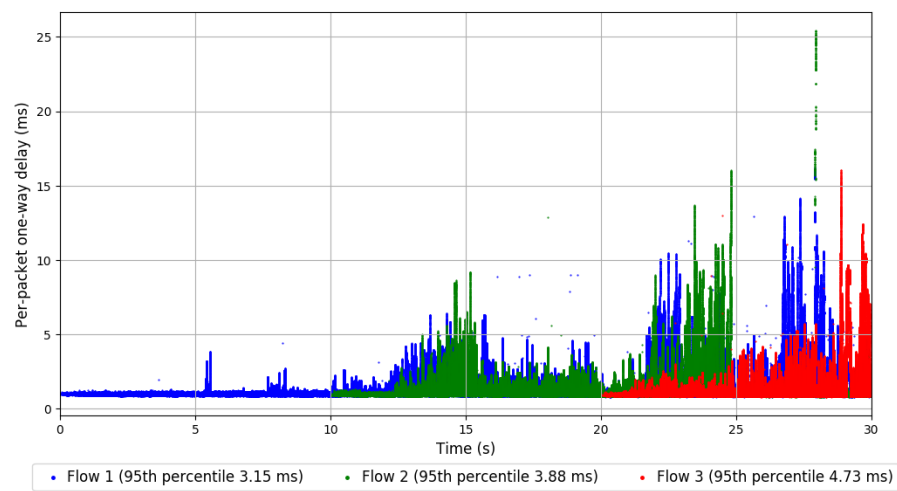
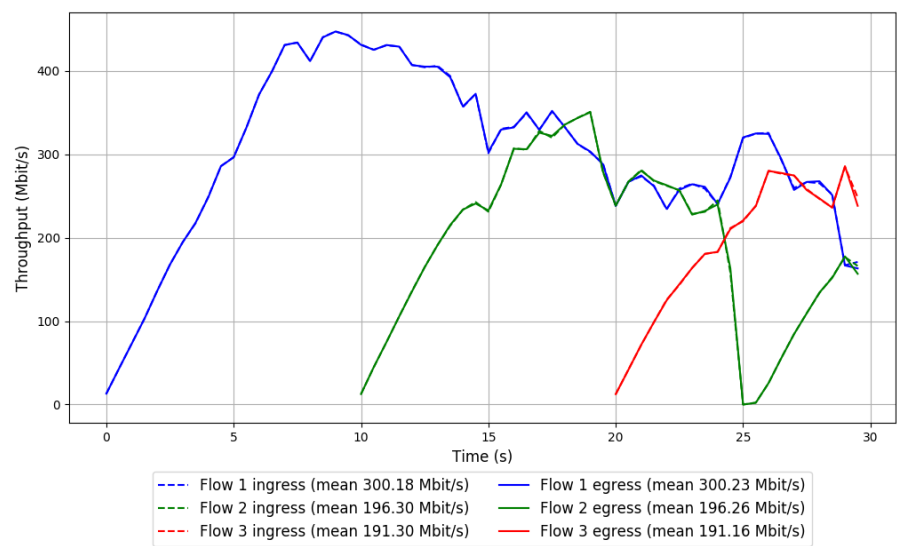
-- Flow 3:

Average throughput: 191.16 Mbit/s

95th percentile per-packet one-way delay: 4.729 ms

Loss rate: 0.27%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-03 19:57:07

End at: 2018-04-03 19:57:37

Local clock offset: 0.126 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-04-04 03:32:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.45 Mbit/s

95th percentile per-packet one-way delay: 6.267 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 304.28 Mbit/s

95th percentile per-packet one-way delay: 6.994 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 200.53 Mbit/s

95th percentile per-packet one-way delay: 6.466 ms

Loss rate: 0.09%

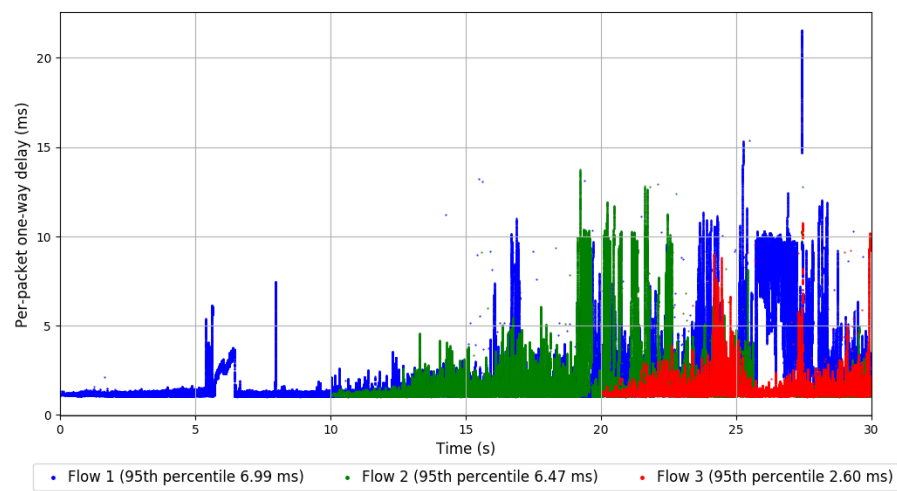
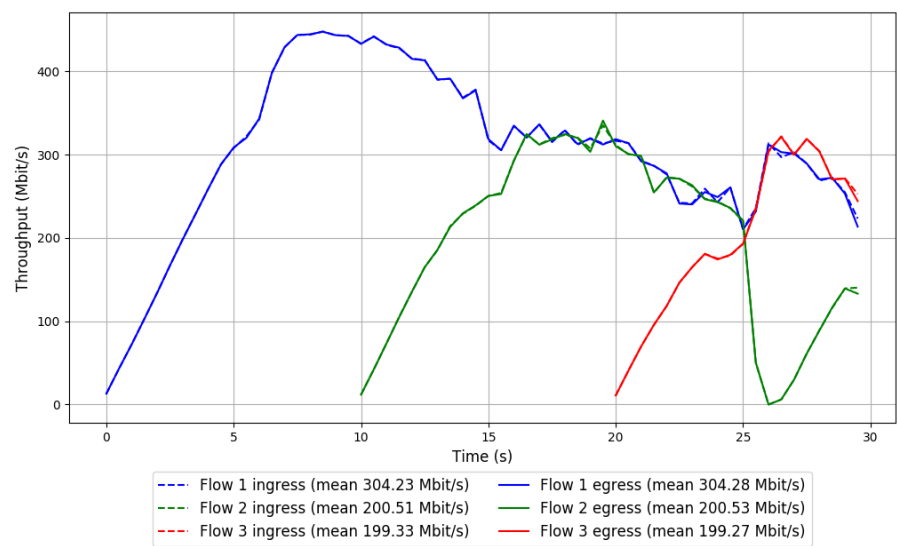
-- Flow 3:

Average throughput: 199.27 Mbit/s

95th percentile per-packet one-way delay: 2.603 ms

Loss rate: 0.26%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-03 20:25:54

End at: 2018-04-03 20:26:24

Local clock offset: -0.203 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2018-04-04 03:33:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.85 Mbit/s

95th percentile per-packet one-way delay: 10.679 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 265.64 Mbit/s

95th percentile per-packet one-way delay: 10.940 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 250.09 Mbit/s

95th percentile per-packet one-way delay: 9.734 ms

Loss rate: 0.07%

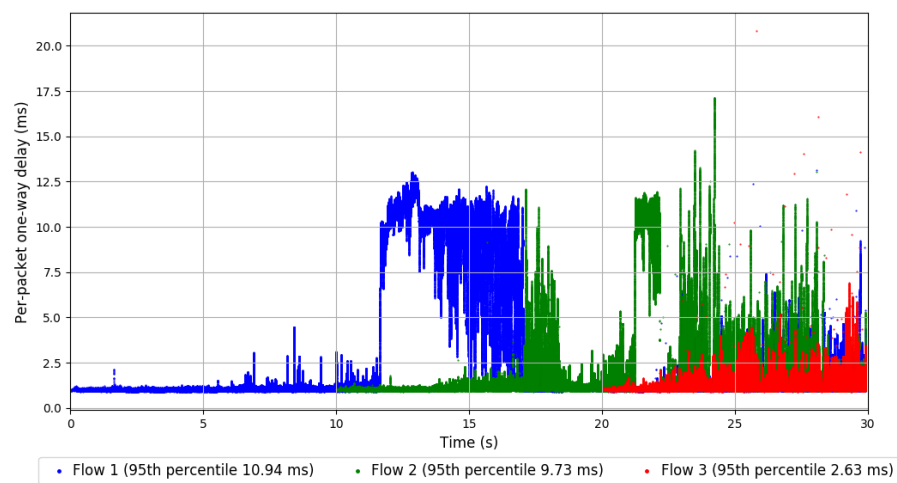
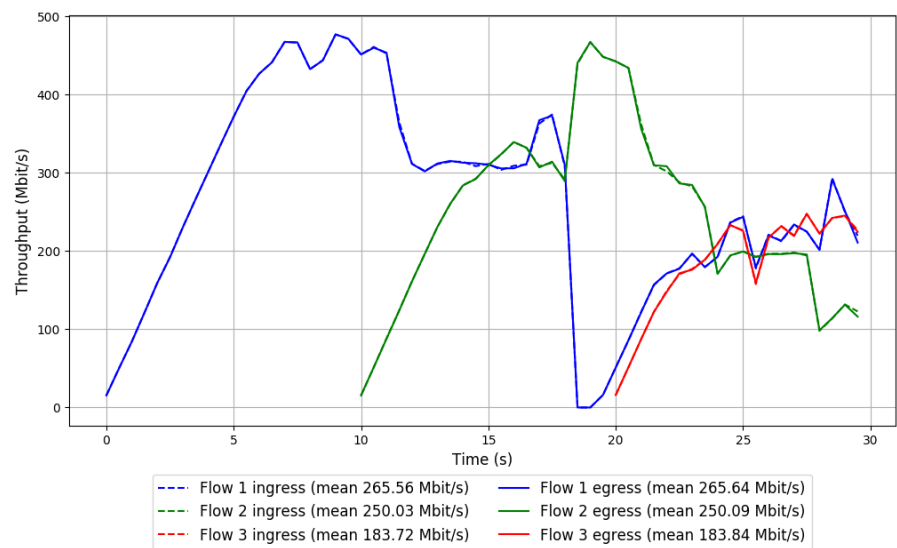
-- Flow 3:

Average throughput: 183.84 Mbit/s

95th percentile per-packet one-way delay: 2.626 ms

Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-03 20:54:34

End at: 2018-04-03 20:55:04

Local clock offset: 0.535 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-04-04 03:35:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.97 Mbit/s

95th percentile per-packet one-way delay: 4.345 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 2.728 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 214.22 Mbit/s

95th percentile per-packet one-way delay: 6.788 ms

Loss rate: 0.12%

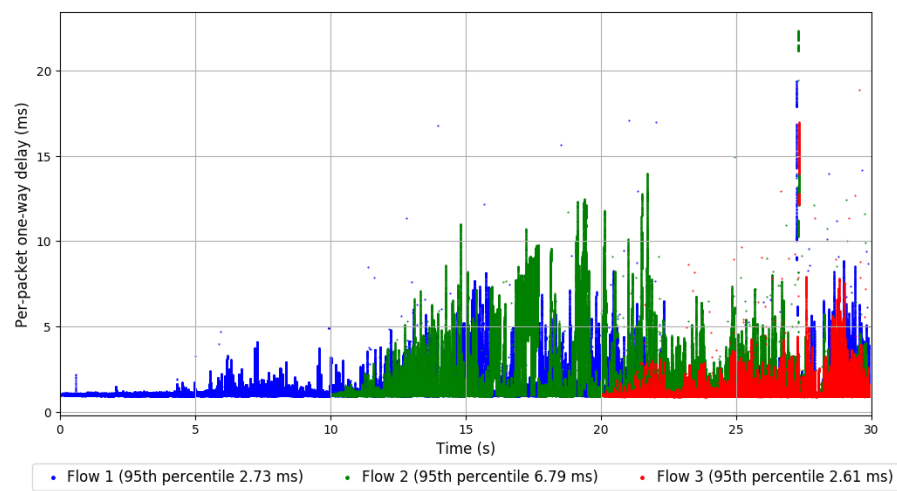
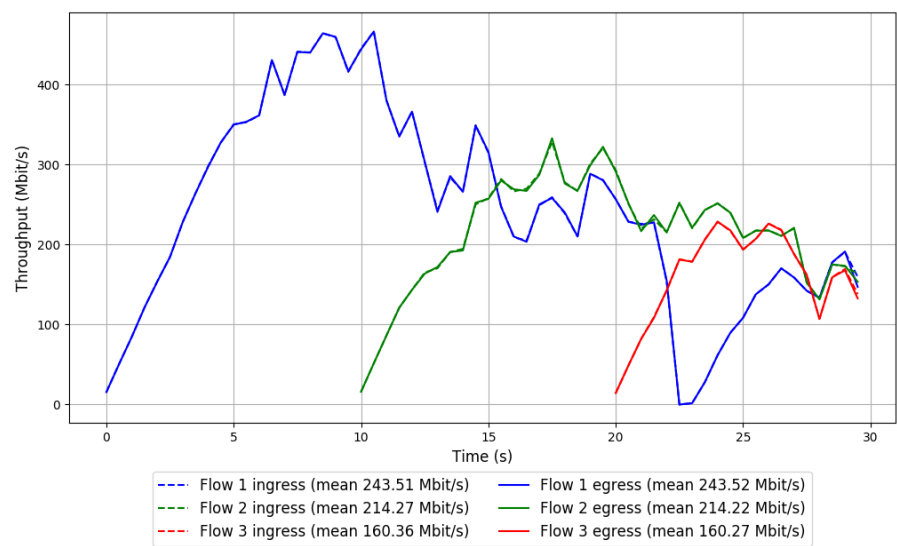
-- Flow 3:

Average throughput: 160.27 Mbit/s

95th percentile per-packet one-way delay: 2.613 ms

Loss rate: 0.24%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-03 21:23:01

End at: 2018-04-03 21:23:31

Local clock offset: 0.791 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-04-04 03:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.07 Mbit/s

95th percentile per-packet one-way delay: 4.820 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 276.50 Mbit/s

95th percentile per-packet one-way delay: 4.014 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 257.20 Mbit/s

95th percentile per-packet one-way delay: 8.140 ms

Loss rate: 0.09%

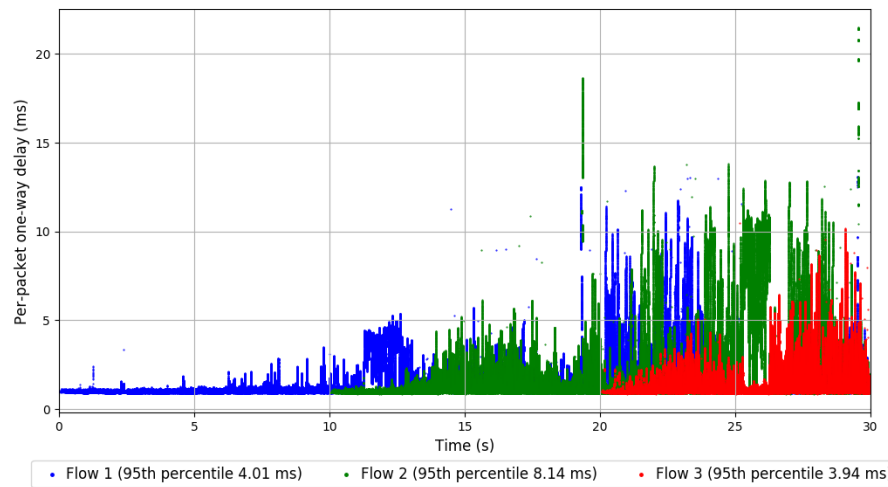
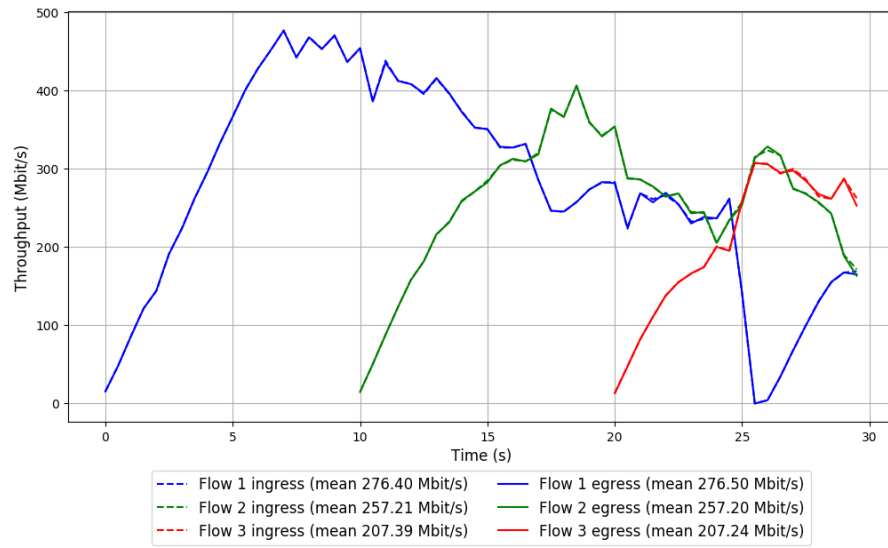
-- Flow 3:

Average throughput: 207.24 Mbit/s

95th percentile per-packet one-way delay: 3.939 ms

Loss rate: 0.26%

Run 10: Report of LEDBAT — Data Link

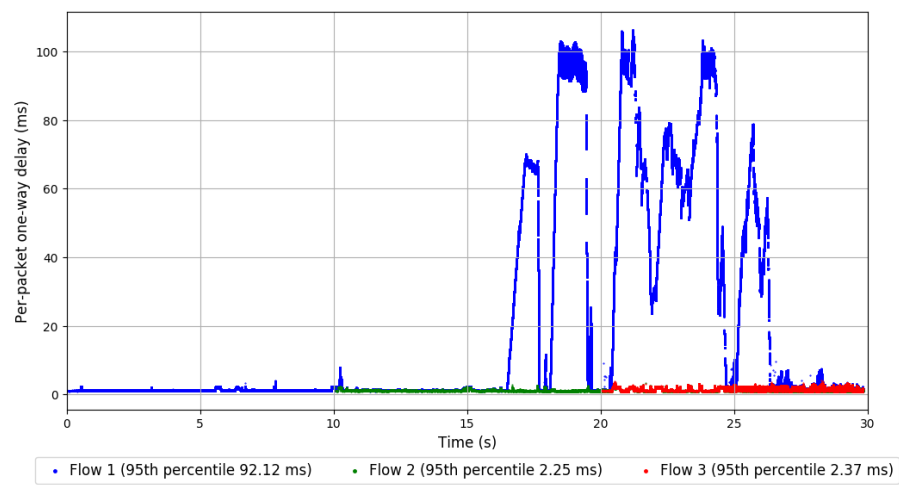
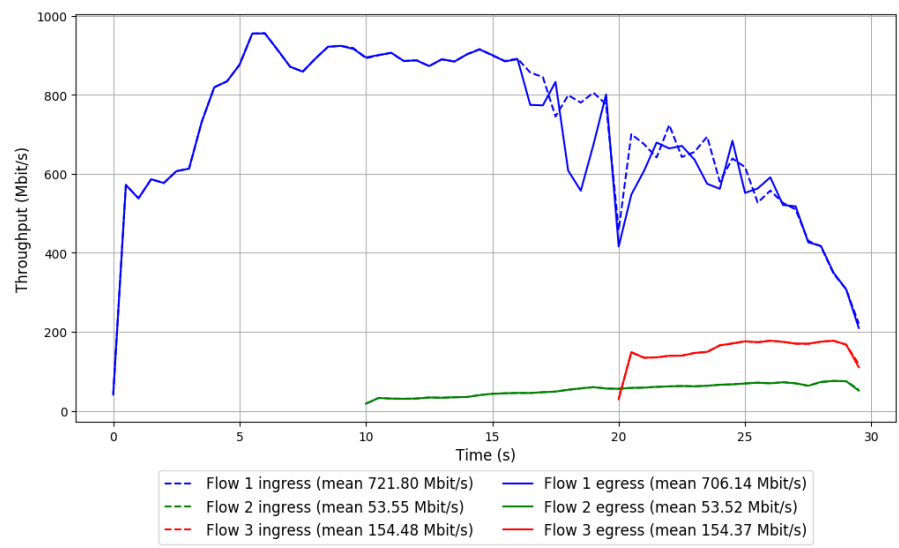


Run 1: Statistics of PCC

Start at: 2018-04-03 17:27:48
End at: 2018-04-03 17:28:18
Local clock offset: 0.37 ms
Remote clock offset: -4.212 ms

Below is generated by plot.py at 2018-04-04 03:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.44 Mbit/s
95th percentile per-packet one-way delay: 89.868 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 706.14 Mbit/s
95th percentile per-packet one-way delay: 92.121 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: 2.251 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 154.37 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.27%

Run 1: Report of PCC — Data Link

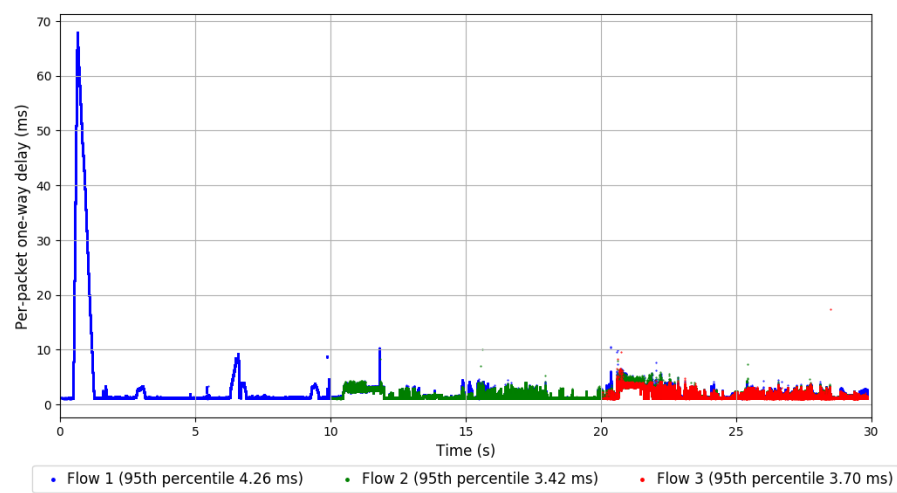
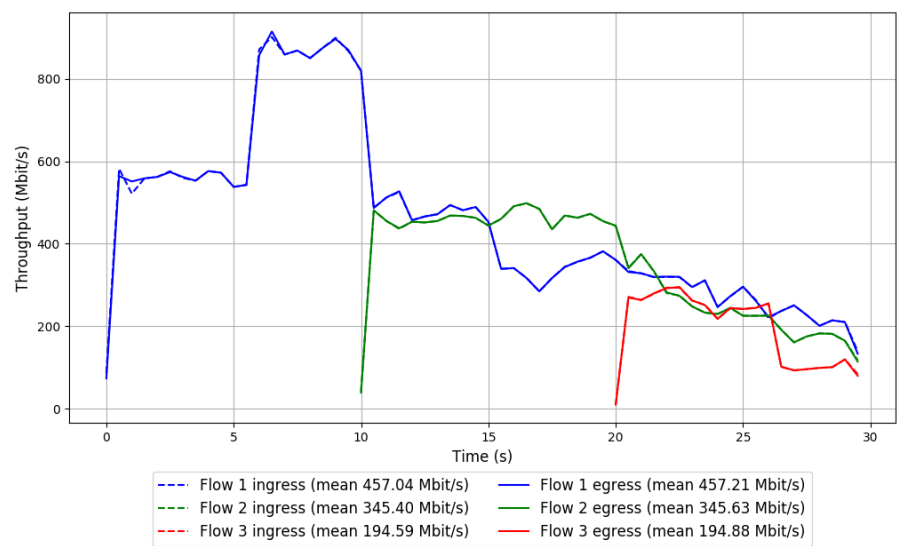


Run 2: Statistics of PCC

Start at: 2018-04-03 17:56:49
End at: 2018-04-03 17:57:19
Local clock offset: 0.35 ms
Remote clock offset: -4.428 ms

Below is generated by plot.py at 2018-04-04 03:41:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 750.93 Mbit/s
95th percentile per-packet one-way delay: 3.790 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 457.21 Mbit/s
95th percentile per-packet one-way delay: 4.264 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 345.63 Mbit/s
95th percentile per-packet one-way delay: 3.425 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 194.88 Mbit/s
95th percentile per-packet one-way delay: 3.702 ms
Loss rate: 0.11%

Run 2: Report of PCC — Data Link

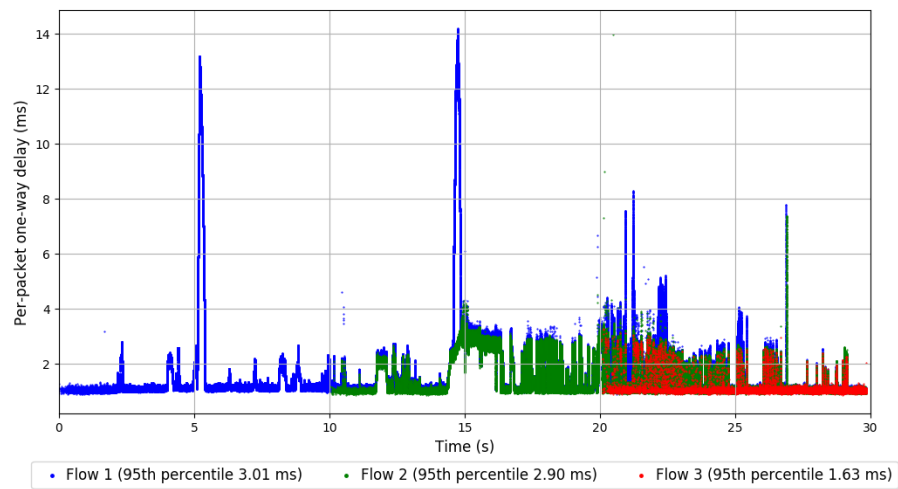
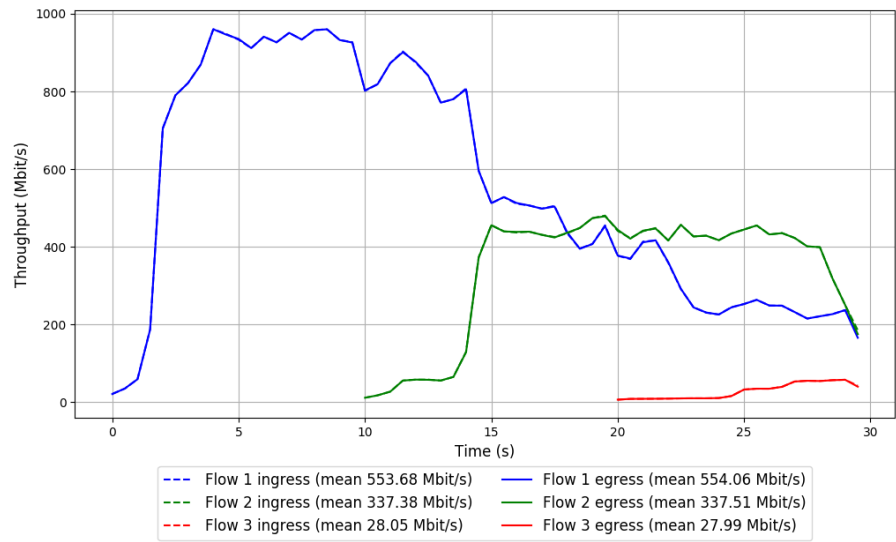


Run 3: Statistics of PCC

Start at: 2018-04-03 18:25:44
End at: 2018-04-03 18:26:14
Local clock offset: 0.032 ms
Remote clock offset: -6.449 ms

Below is generated by plot.py at 2018-04-04 03:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 787.27 Mbit/s
95th percentile per-packet one-way delay: 2.959 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 554.06 Mbit/s
95th percentile per-packet one-way delay: 3.012 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 337.51 Mbit/s
95th percentile per-packet one-way delay: 2.898 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 1.629 ms
Loss rate: 0.43%

Run 3: Report of PCC — Data Link

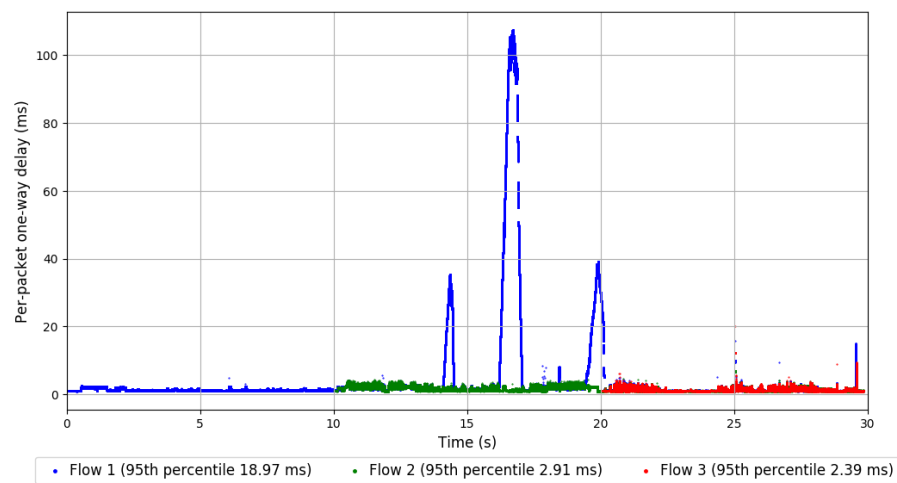
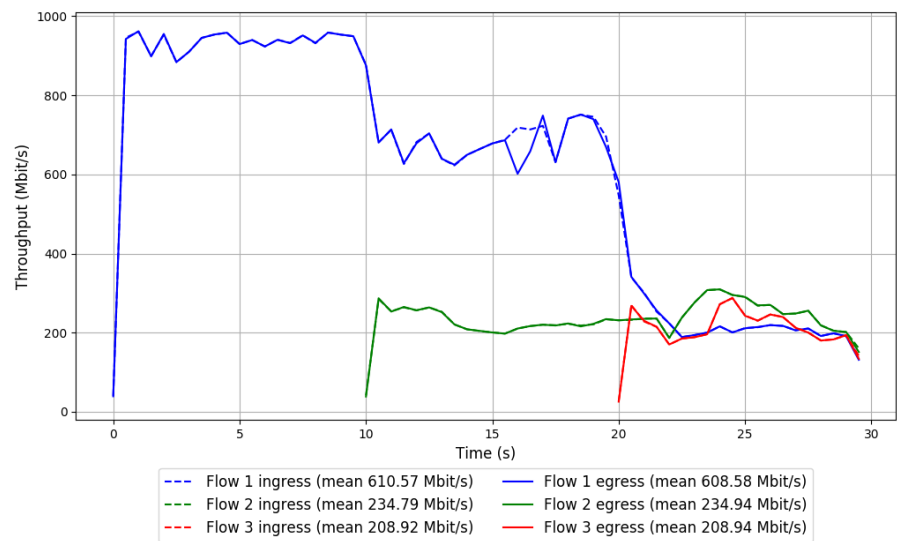


Run 4: Statistics of PCC

Start at: 2018-04-03 18:54:42
End at: 2018-04-03 18:55:12
Local clock offset: 0.265 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-04-04 03:44:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 833.33 Mbit/s
95th percentile per-packet one-way delay: 4.599 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 608.58 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 234.94 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 208.94 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.19%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-04-03 19:23:34

End at: 2018-04-03 19:24:04

Local clock offset: 0.444 ms

Remote clock offset: 1.642 ms

Below is generated by plot.py at 2018-04-04 03:44:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 716.89 Mbit/s

95th percentile per-packet one-way delay: 92.138 ms

Loss rate: 5.76%

-- Flow 1:

Average throughput: 634.20 Mbit/s

95th percentile per-packet one-way delay: 92.743 ms

Loss rate: 6.45%

-- Flow 2:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 2.250 ms

Loss rate: 0.08%

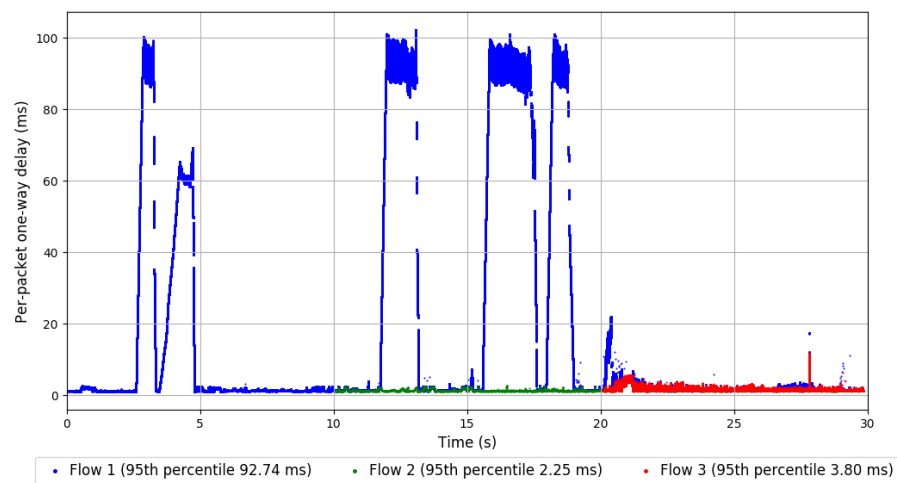
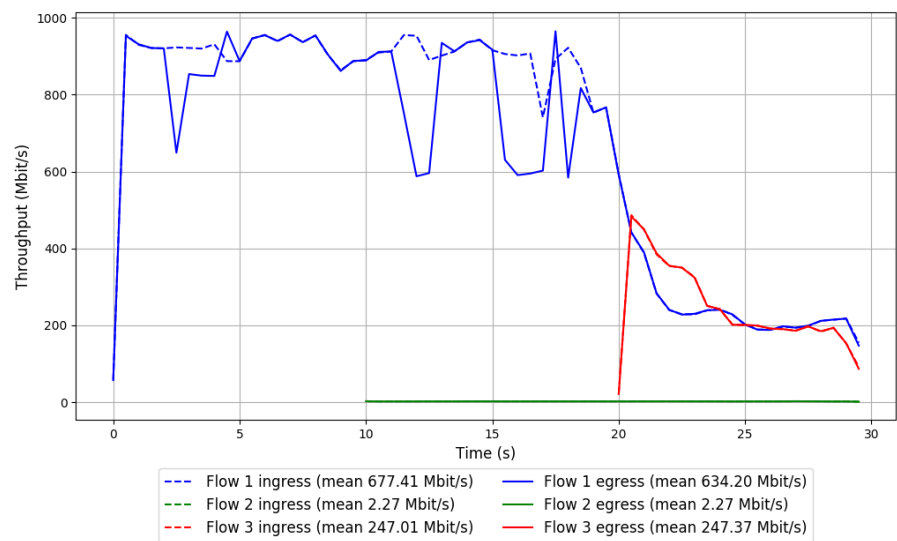
-- Flow 3:

Average throughput: 247.37 Mbit/s

95th percentile per-packet one-way delay: 3.796 ms

Loss rate: 0.11%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-03 19:52:13

End at: 2018-04-03 19:52:43

Local clock offset: 0.158 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-04-04 03:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 798.20 Mbit/s

95th percentile per-packet one-way delay: 58.361 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 574.69 Mbit/s

95th percentile per-packet one-way delay: 67.434 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 234.66 Mbit/s

95th percentile per-packet one-way delay: 3.245 ms

Loss rate: 0.09%

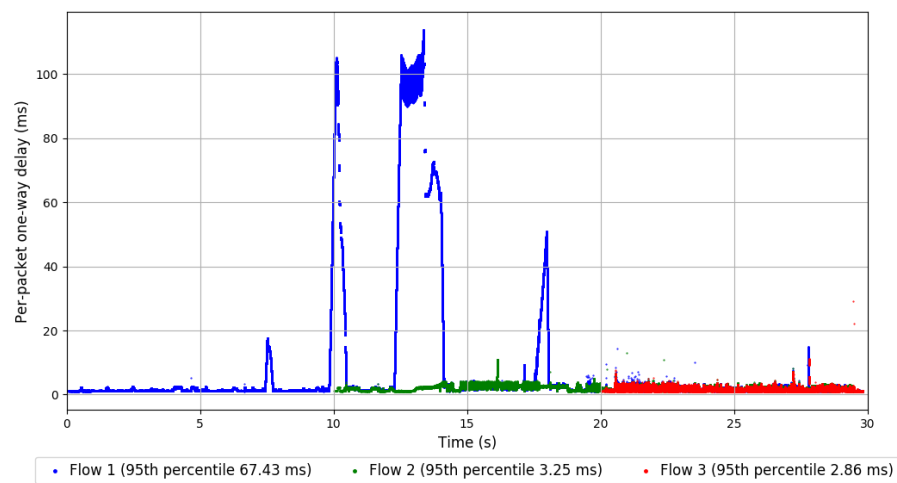
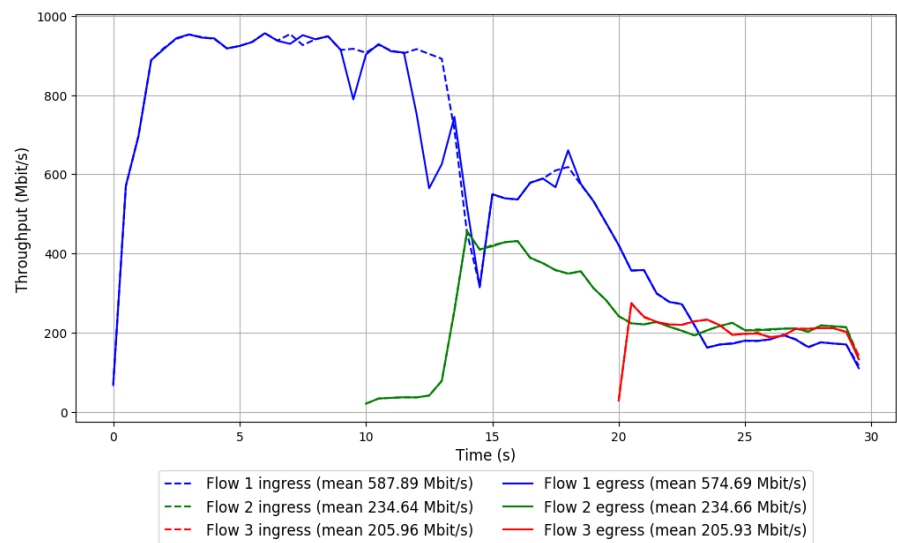
-- Flow 3:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 2.858 ms

Loss rate: 0.22%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-04-03 20:21:00

End at: 2018-04-03 20:21:30

Local clock offset: -0.114 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2018-04-04 03:47:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 800.98 Mbit/s

95th percentile per-packet one-way delay: 31.077 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 593.12 Mbit/s

95th percentile per-packet one-way delay: 59.203 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 248.07 Mbit/s

95th percentile per-packet one-way delay: 2.901 ms

Loss rate: 0.07%

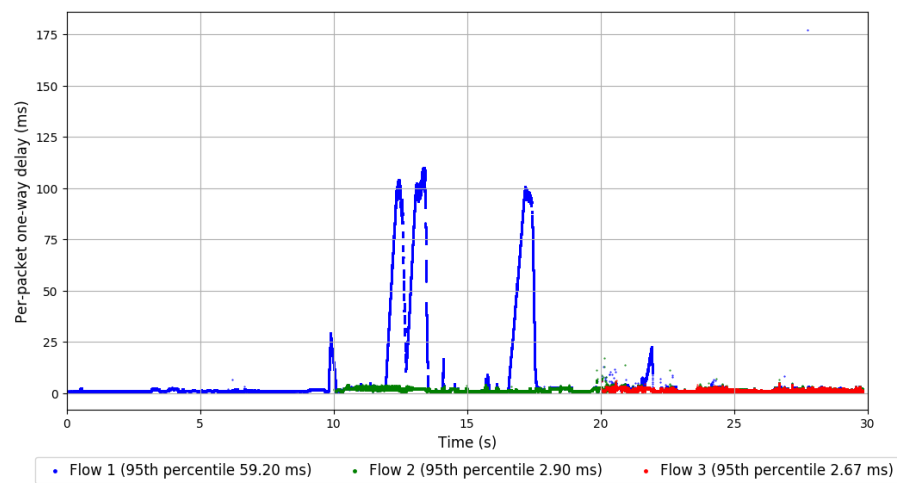
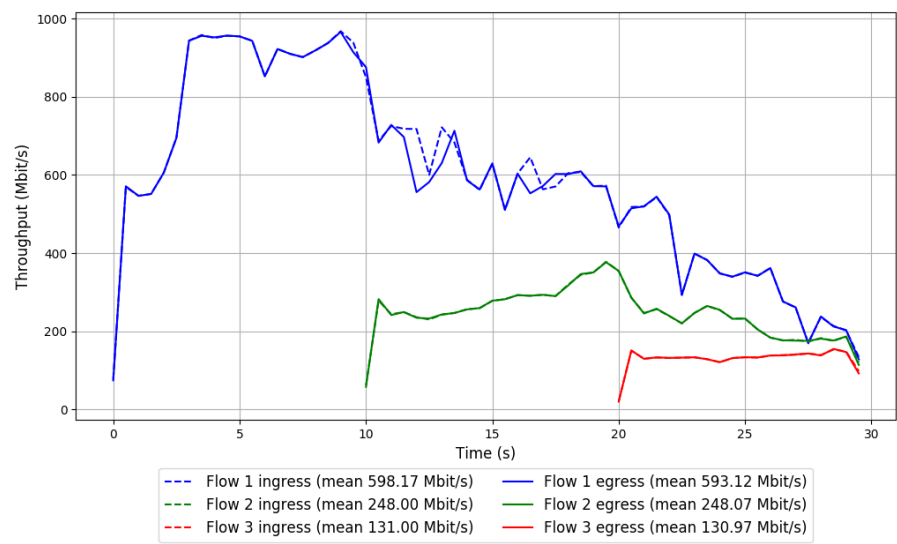
-- Flow 3:

Average throughput: 130.97 Mbit/s

95th percentile per-packet one-way delay: 2.672 ms

Loss rate: 0.27%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-04-03 20:49:43

End at: 2018-04-03 20:50:13

Local clock offset: 0.465 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-04-04 03:48:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 761.04 Mbit/s

95th percentile per-packet one-way delay: 30.833 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 660.33 Mbit/s

95th percentile per-packet one-way delay: 32.086 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 143.92 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.10%

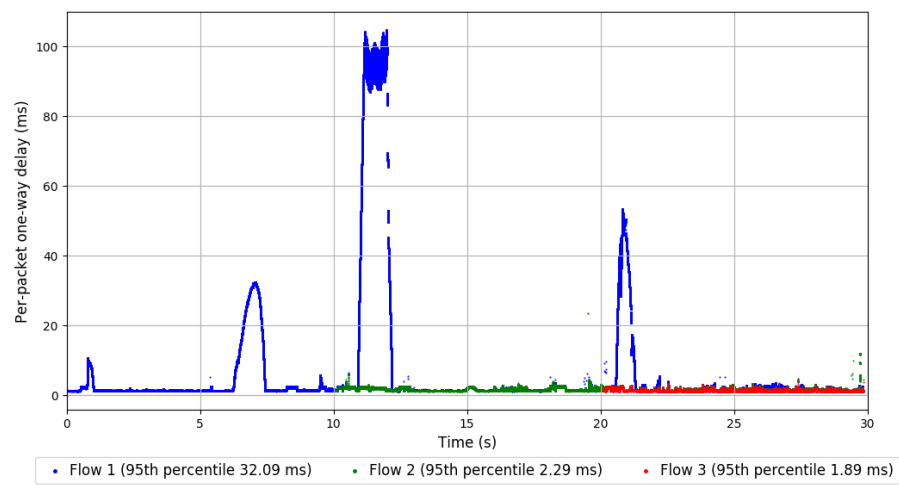
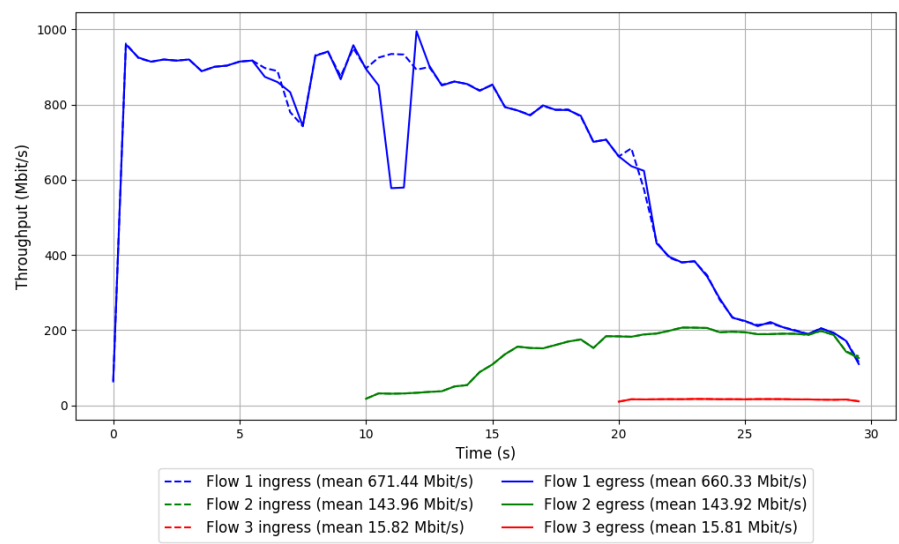
-- Flow 3:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 1.885 ms

Loss rate: 0.18%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-04-03 21:18:10

End at: 2018-04-03 21:18:40

Local clock offset: 0.739 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-04-04 03:52:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 699.14 Mbit/s

95th percentile per-packet one-way delay: 81.374 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 512.61 Mbit/s

95th percentile per-packet one-way delay: 91.191 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 194.49 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.09%

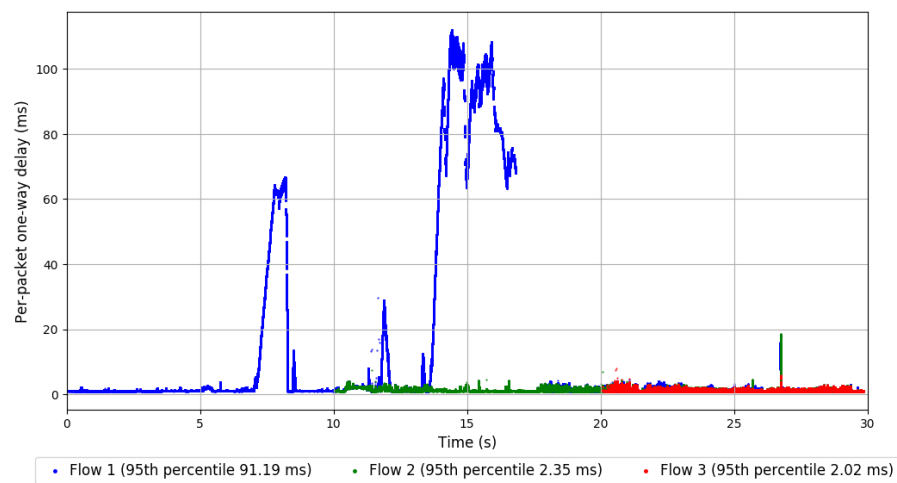
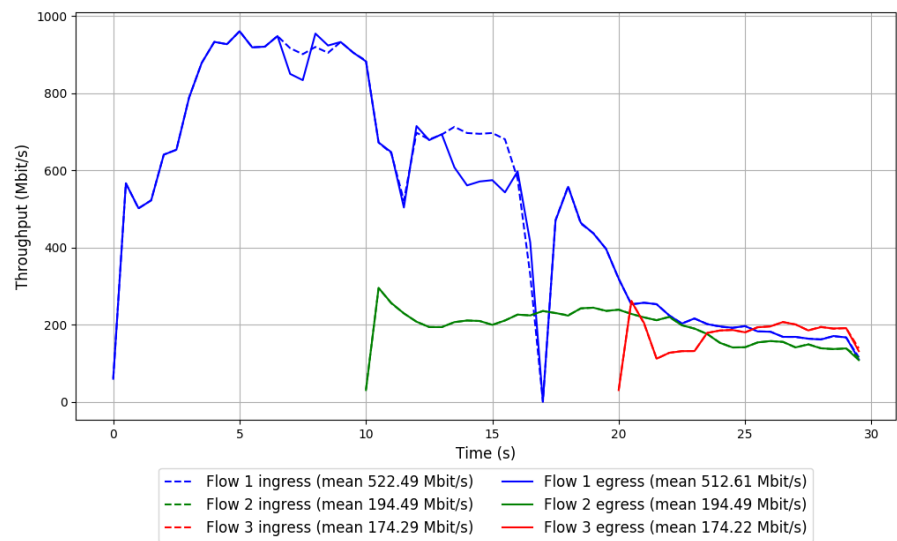
-- Flow 3:

Average throughput: 174.22 Mbit/s

95th percentile per-packet one-way delay: 2.015 ms

Loss rate: 0.23%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-03 21:46:56

End at: 2018-04-03 21:47:26

Local clock offset: 1.007 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 742.74 Mbit/s

95th percentile per-packet one-way delay: 2.444 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 502.20 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 260.78 Mbit/s

95th percentile per-packet one-way delay: 2.430 ms

Loss rate: 0.09%

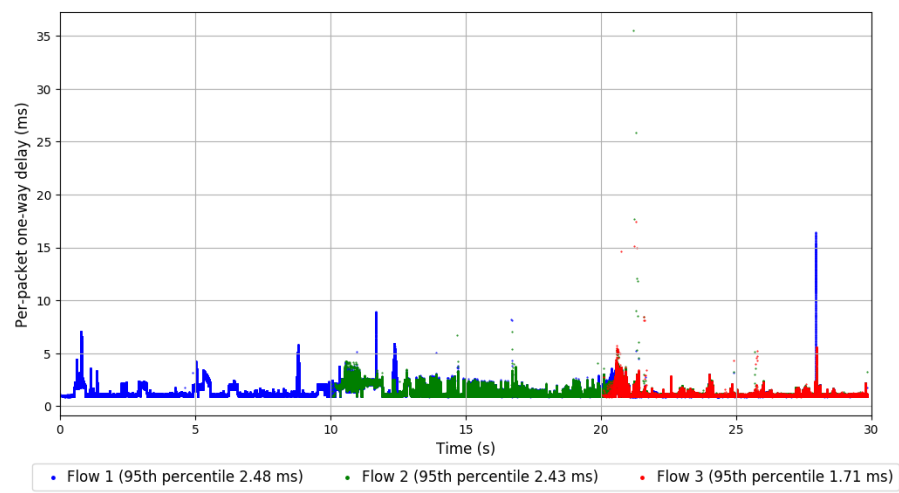
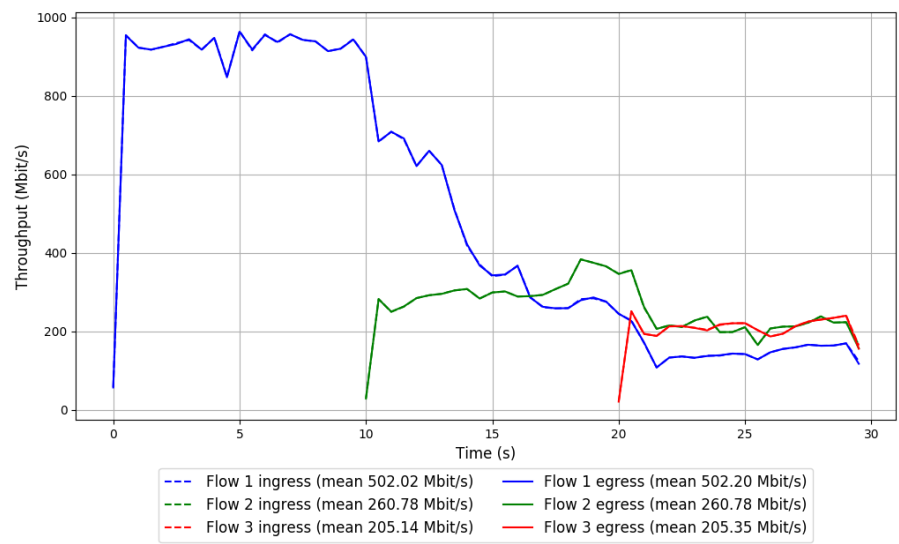
-- Flow 3:

Average throughput: 205.35 Mbit/s

95th percentile per-packet one-way delay: 1.710 ms

Loss rate: 0.22%

Run 10: Report of PCC — Data Link

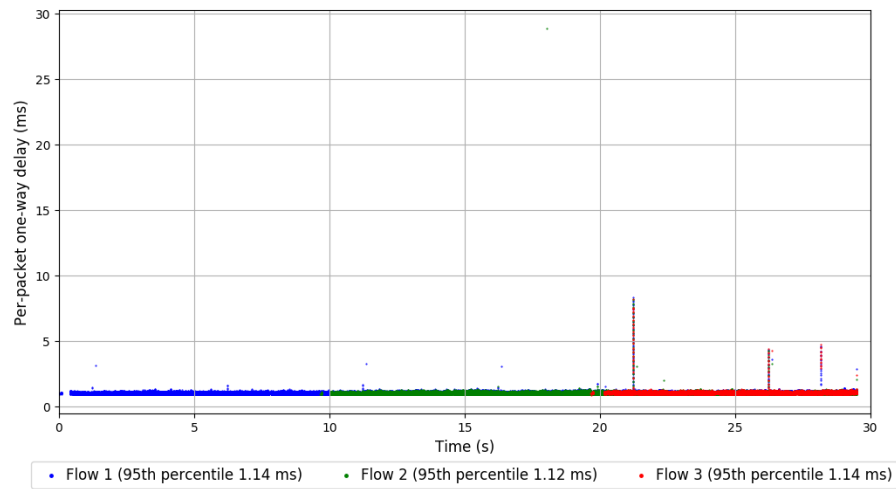
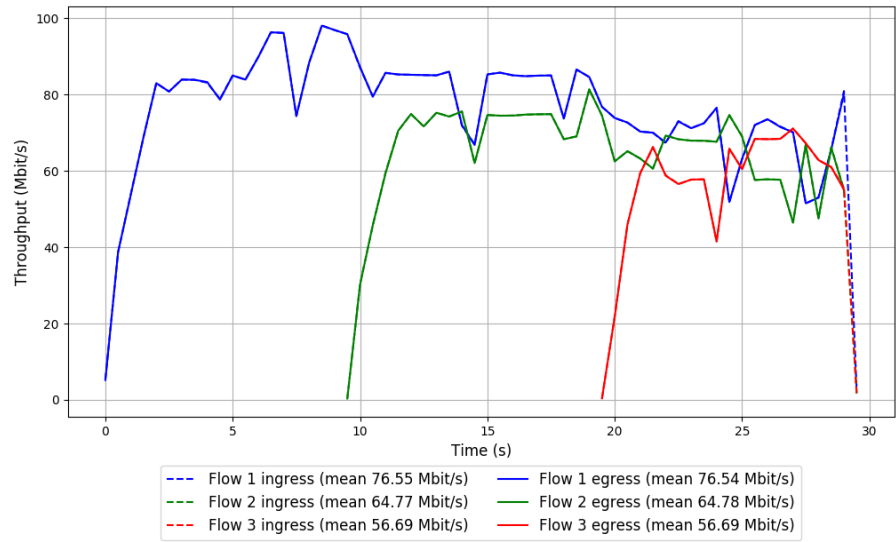


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 17:10:07
End at: 2018-04-03 17:10:37
Local clock offset: 0.307 ms
Remote clock offset: -4.315 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.05 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.20%

Run 1: Report of QUIC Cubic — Data Link

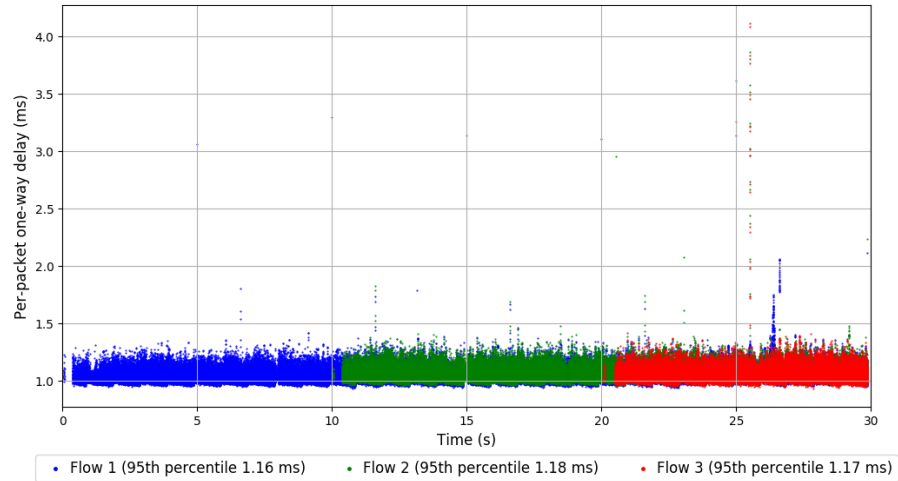
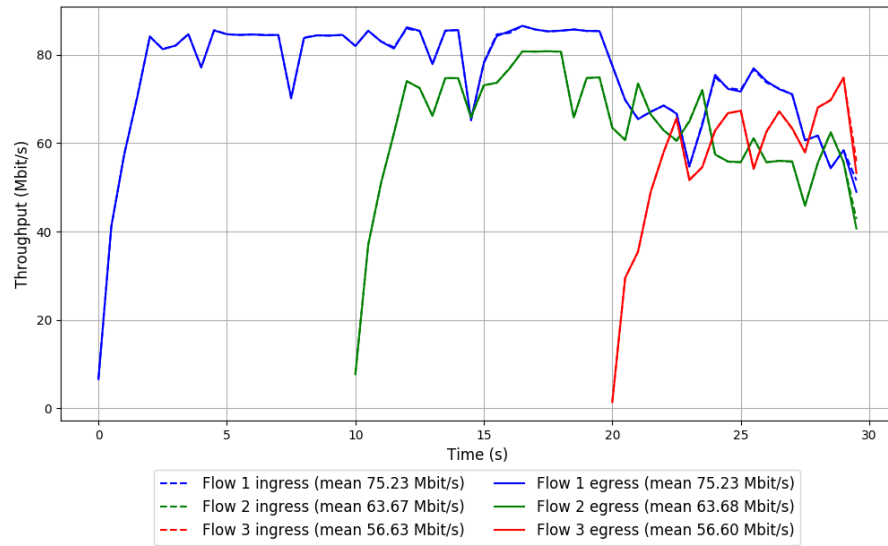


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 17:39:02
End at: 2018-04-03 17:39:32
Local clock offset: 0.441 ms
Remote clock offset: -4.551 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.20 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.24%

Run 2: Report of QUIC Cubic — Data Link

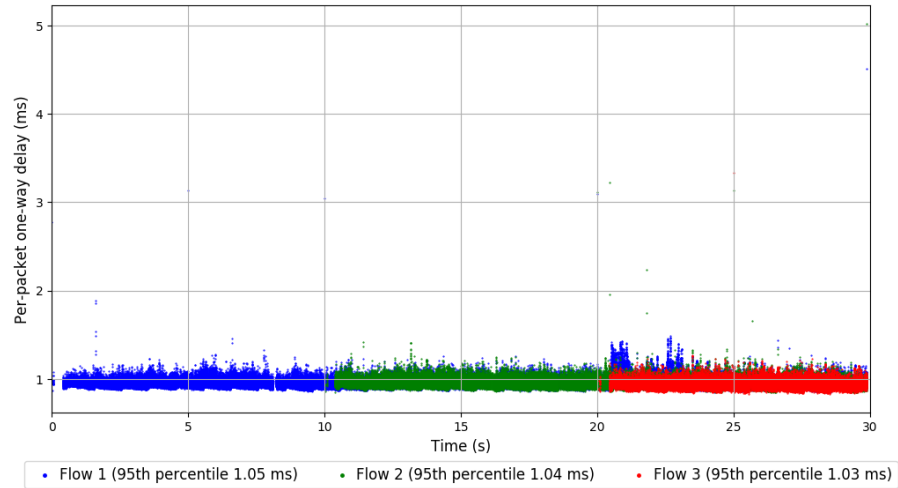
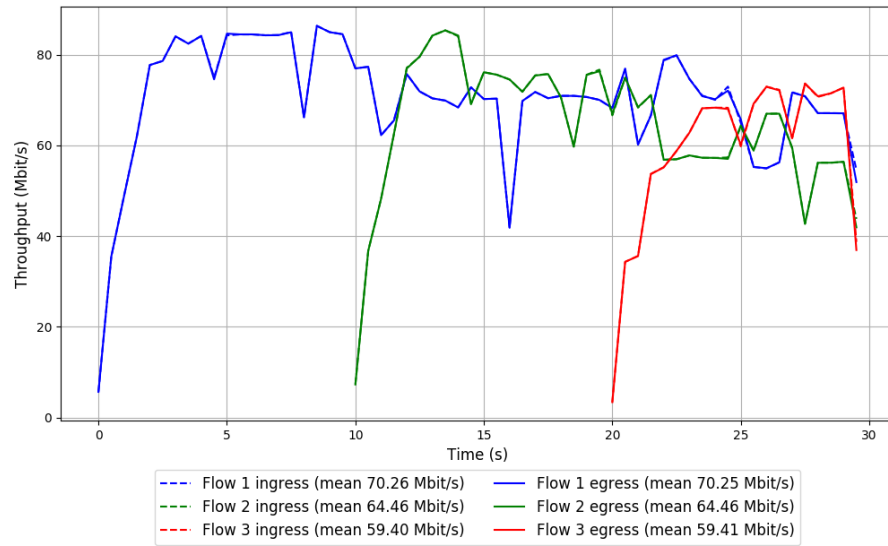


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 18:08:03
End at: 2018-04-03 18:08:33
Local clock offset: 0.259 ms
Remote clock offset: -5.563 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.69 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 64.46 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.15%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 18:37:01

End at: 2018-04-03 18:37:31

Local clock offset: 0.022 ms

Remote clock offset: -6.29 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.31 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 72.00 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 71.89 Mbit/s

95th percentile per-packet one-way delay: 1.221 ms

Loss rate: 0.07%

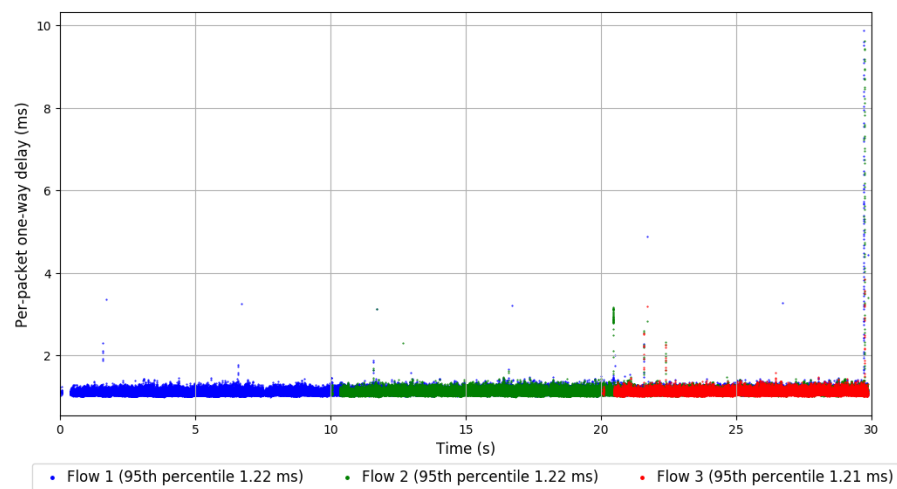
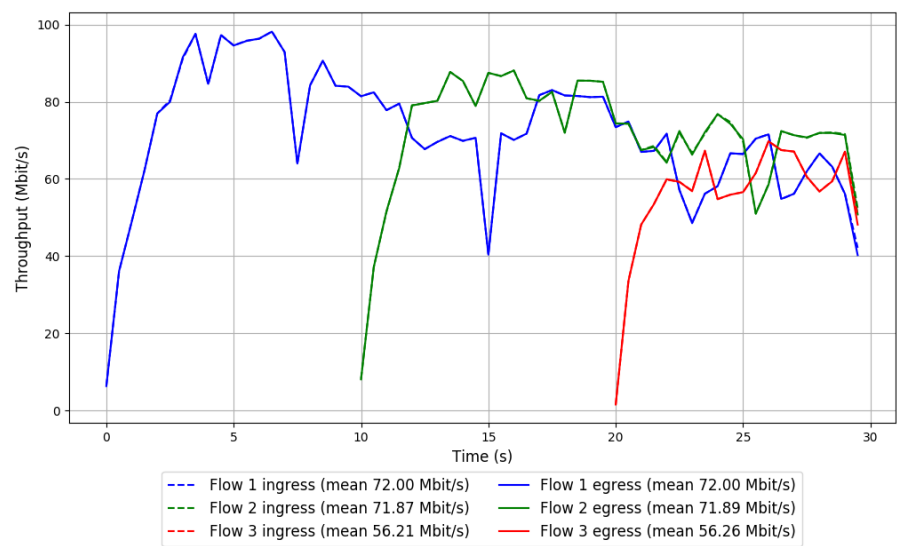
-- Flow 3:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link

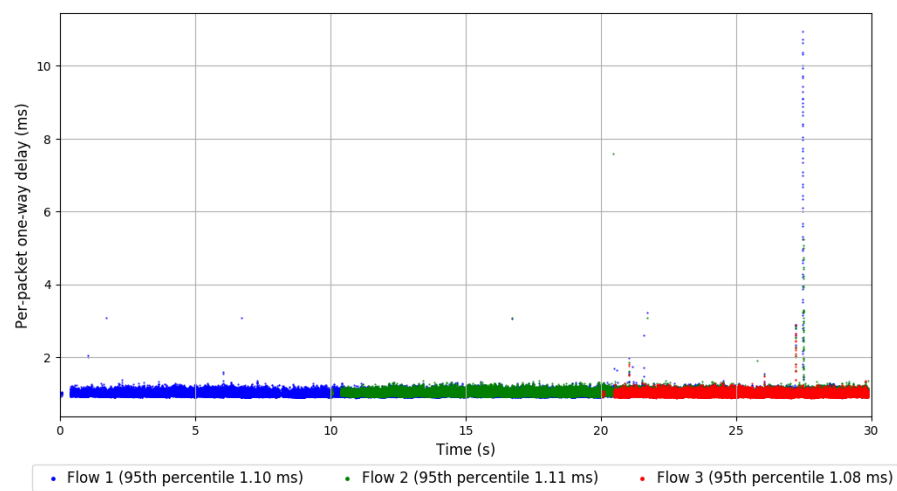
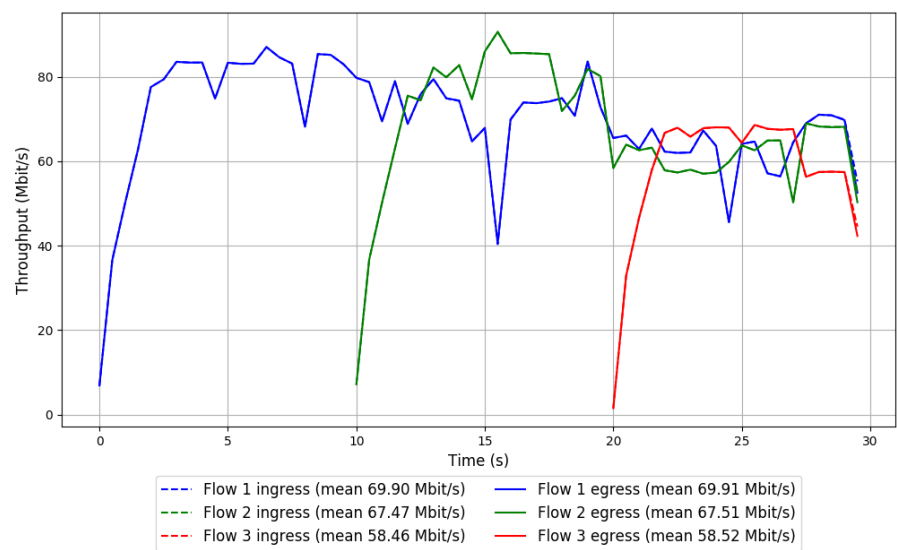


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 19:05:59
End at: 2018-04-03 19:06:29
Local clock offset: 0.481 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 67.51 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.20%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 19:34:43

End at: 2018-04-03 19:35:13

Local clock offset: 0.322 ms

Remote clock offset: 1.035 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.09 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 69.31 Mbit/s

95th percentile per-packet one-way delay: 1.010 ms

Loss rate: 0.10%

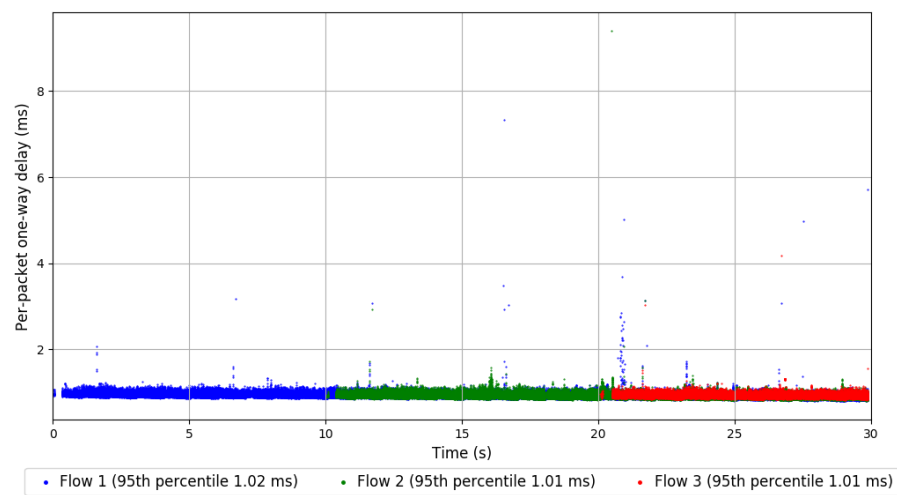
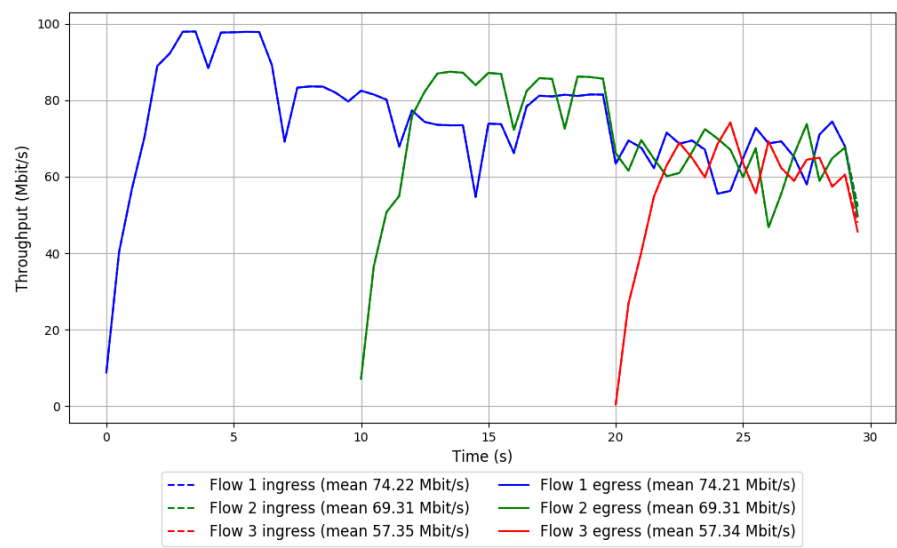
-- Flow 3:

Average throughput: 57.34 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.21%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 20:03:22

End at: 2018-04-03 20:03:52

Local clock offset: -0.003 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.80 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.08%

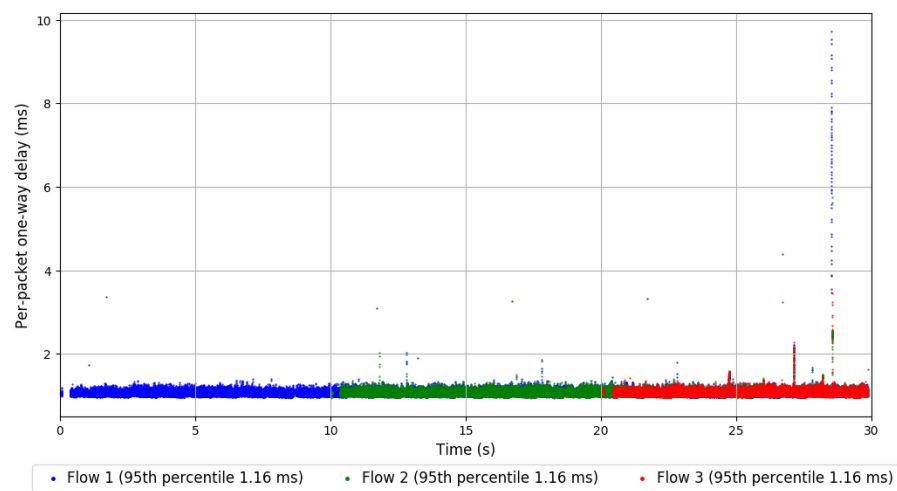
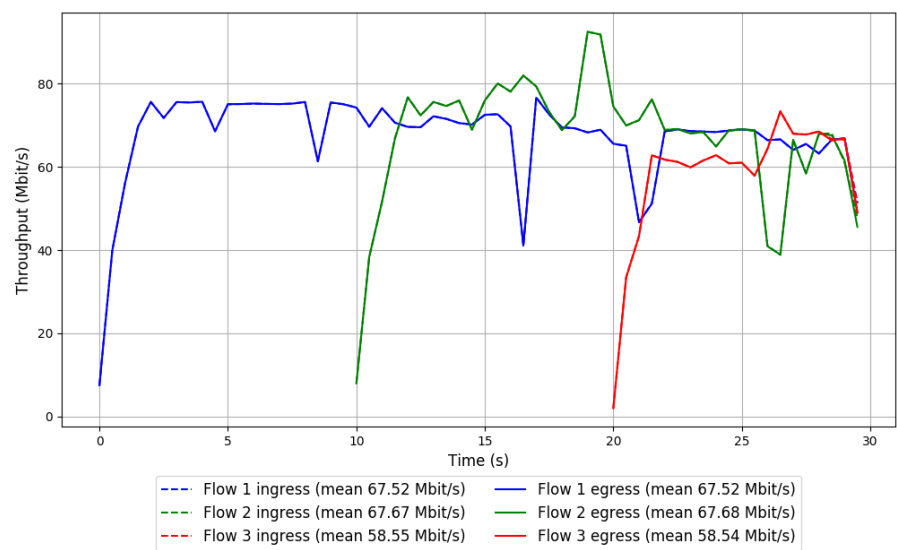
-- Flow 3:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 20:32:11

End at: 2018-04-03 20:32:41

Local clock offset: -0.267 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.95 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.63 Mbit/s

95th percentile per-packet one-way delay: 0.945 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.10%

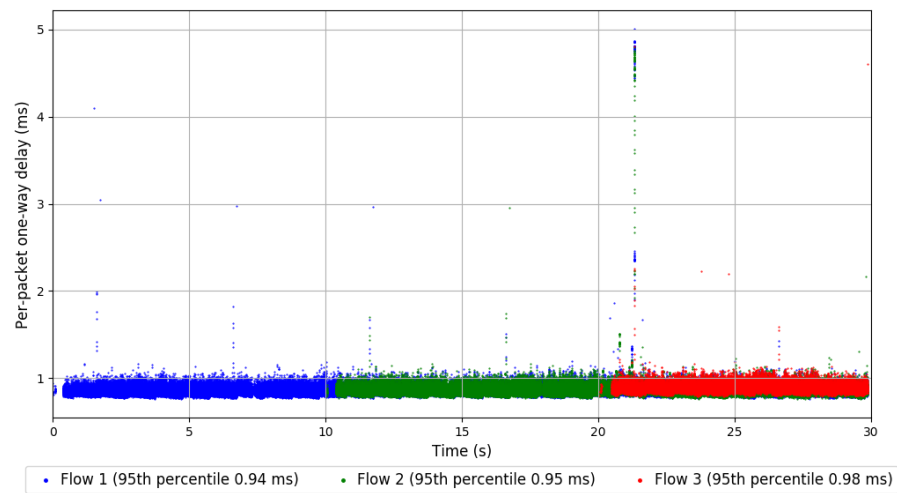
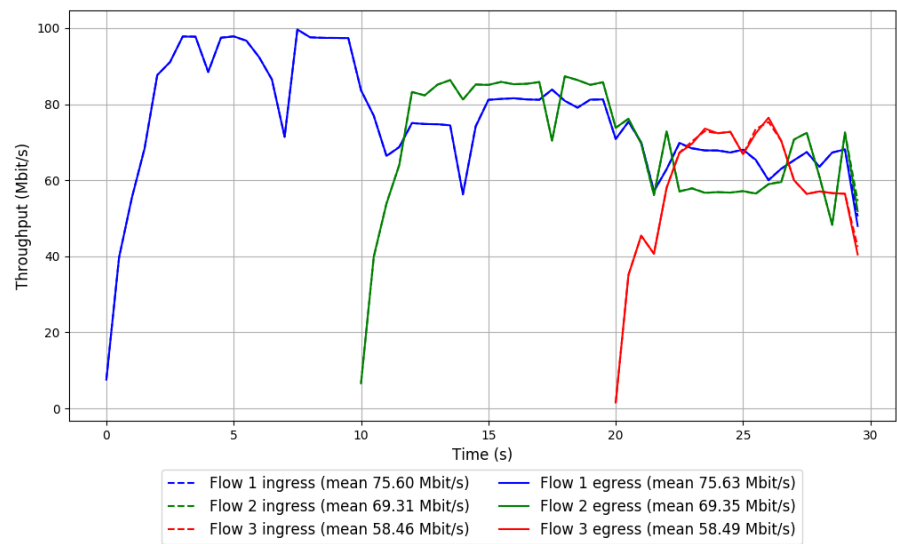
-- Flow 3:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.18%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 21:00:46

End at: 2018-04-03 21:01:16

Local clock offset: 0.651 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.19 Mbit/s

95th percentile per-packet one-way delay: 1.077 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 74.23 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.10%

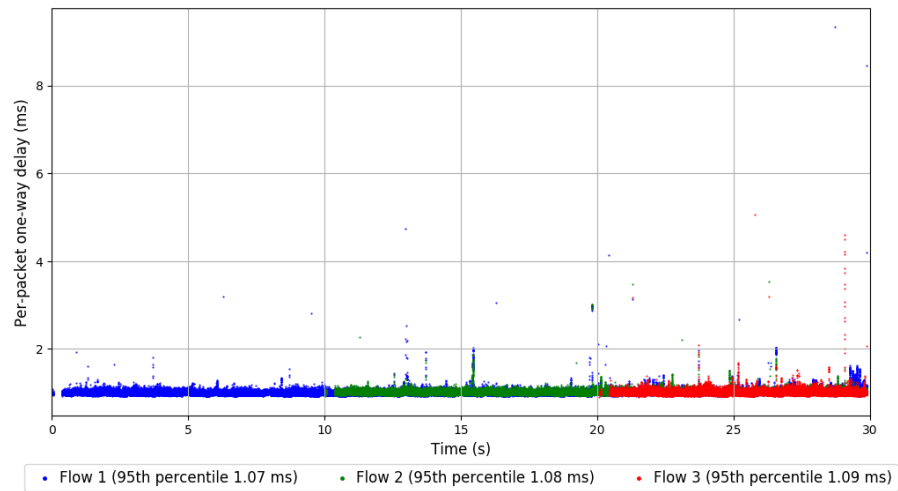
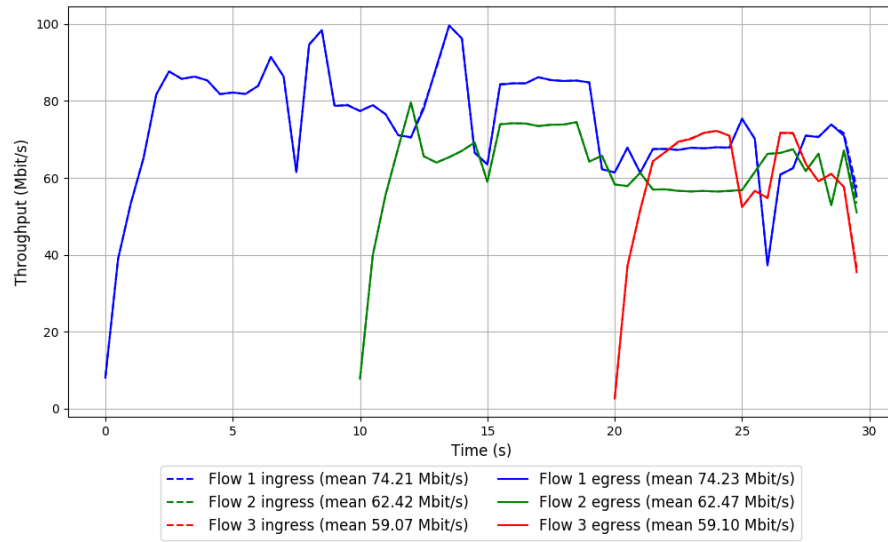
-- Flow 3:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 21:29:24

End at: 2018-04-03 21:29:54

Local clock offset: 0.946 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.31 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.08%

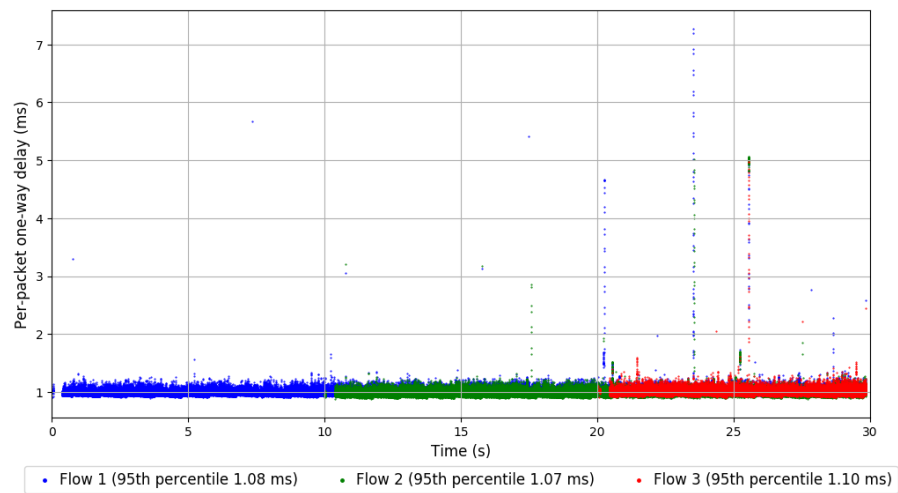
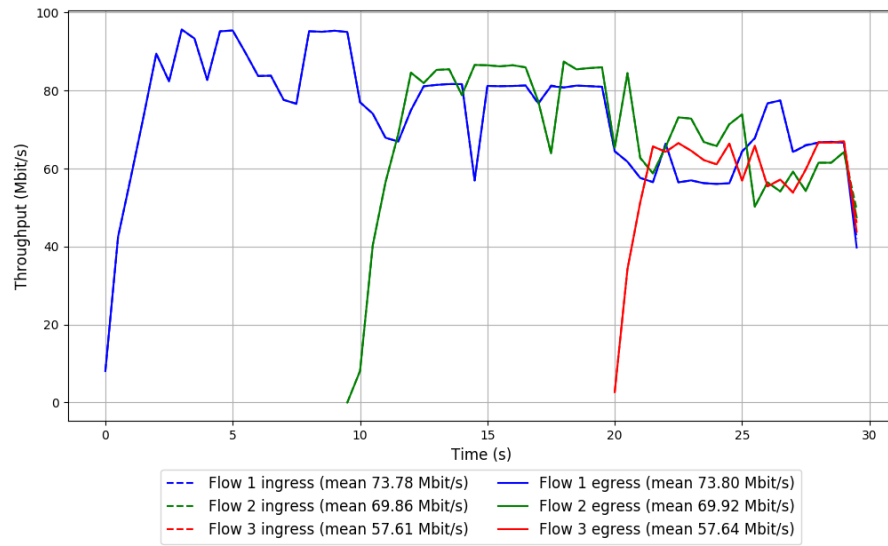
-- Flow 3:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.21%

Run 10: Report of QUIC Cubic — Data Link

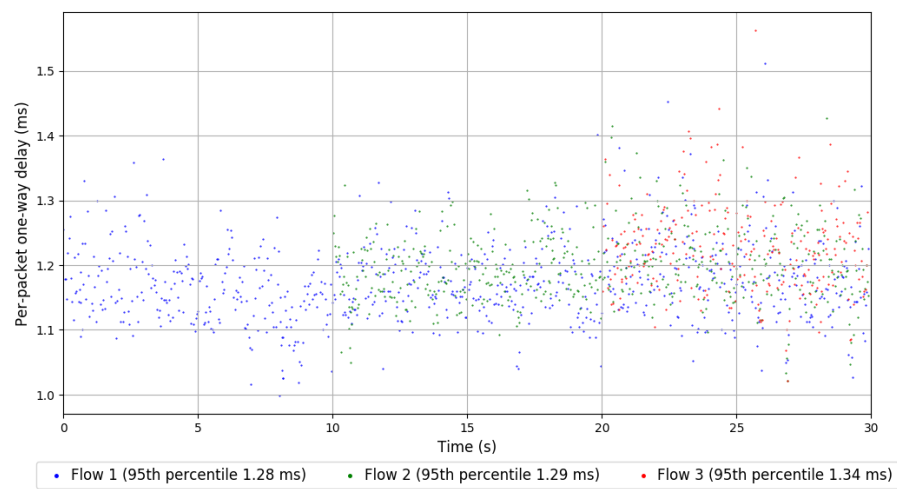
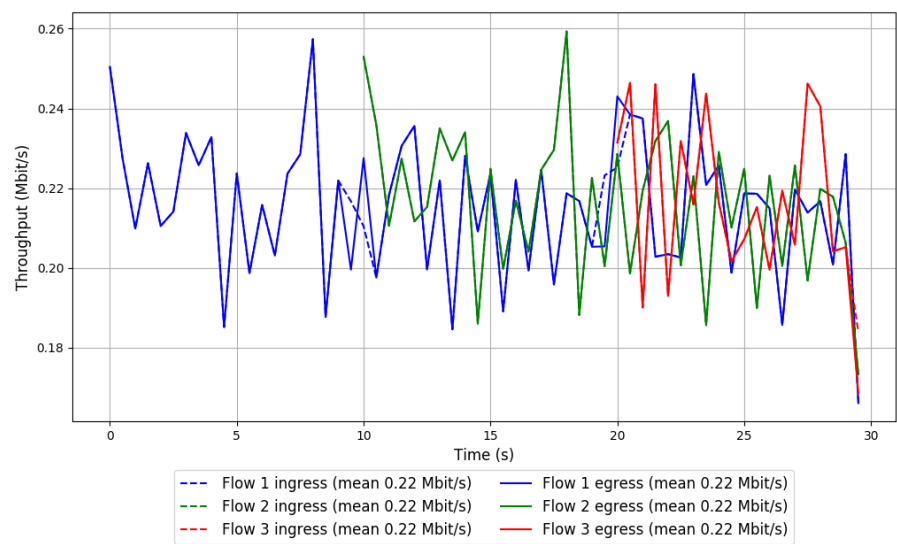


```
Run 1: Statistics of SReAM

Start at: 2018-04-03 17:08:49
End at: 2018-04-03 17:09:19
Local clock offset: 0.392 ms
Remote clock offset: -4.305 ms

# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

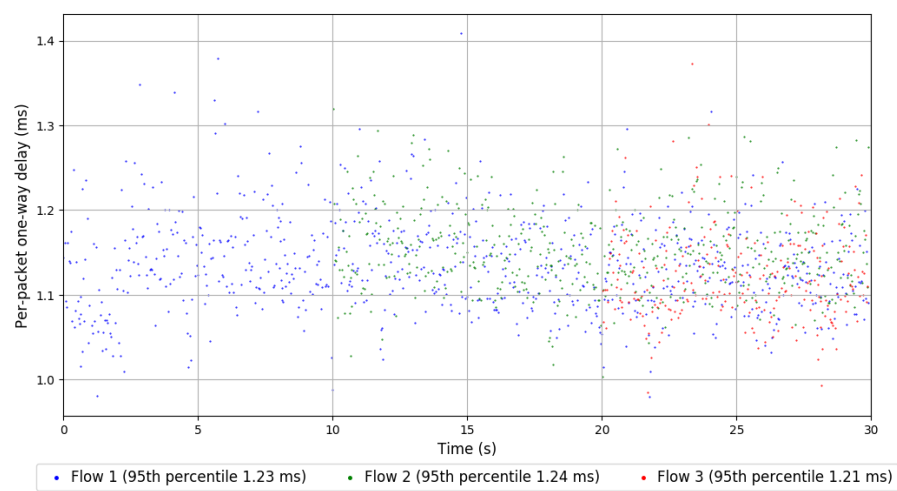
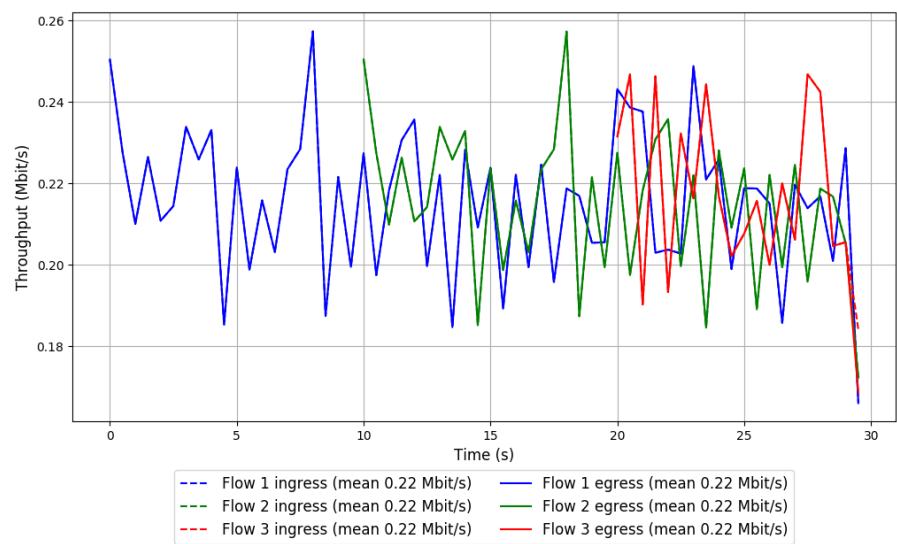


Run 2: Statistics of SReAM

Start at: 2018-04-03 17:37:43
End at: 2018-04-03 17:38:13
Local clock offset: 0.406 ms
Remote clock offset: -4.537 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

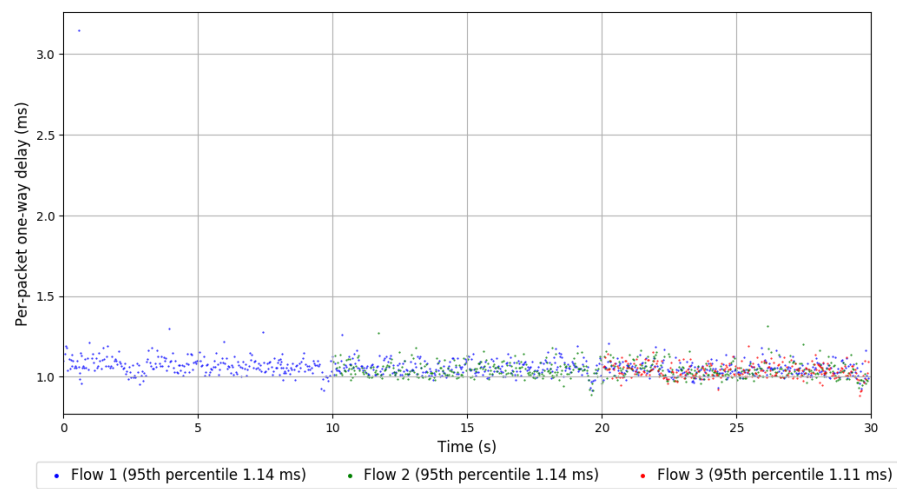
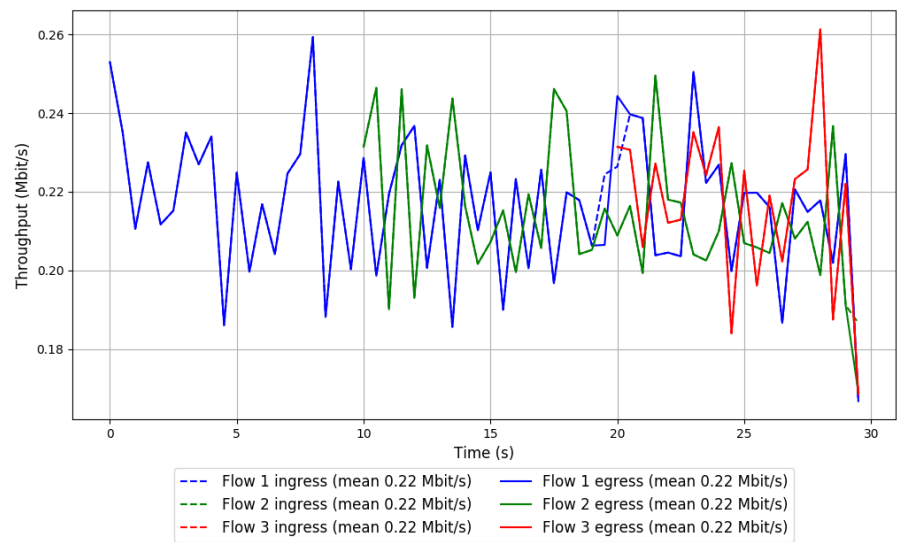


Run 3: Statistics of SReAM

Start at: 2018-04-03 18:06:45
End at: 2018-04-03 18:07:15
Local clock offset: 0.19 ms
Remote clock offset: -5.557 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

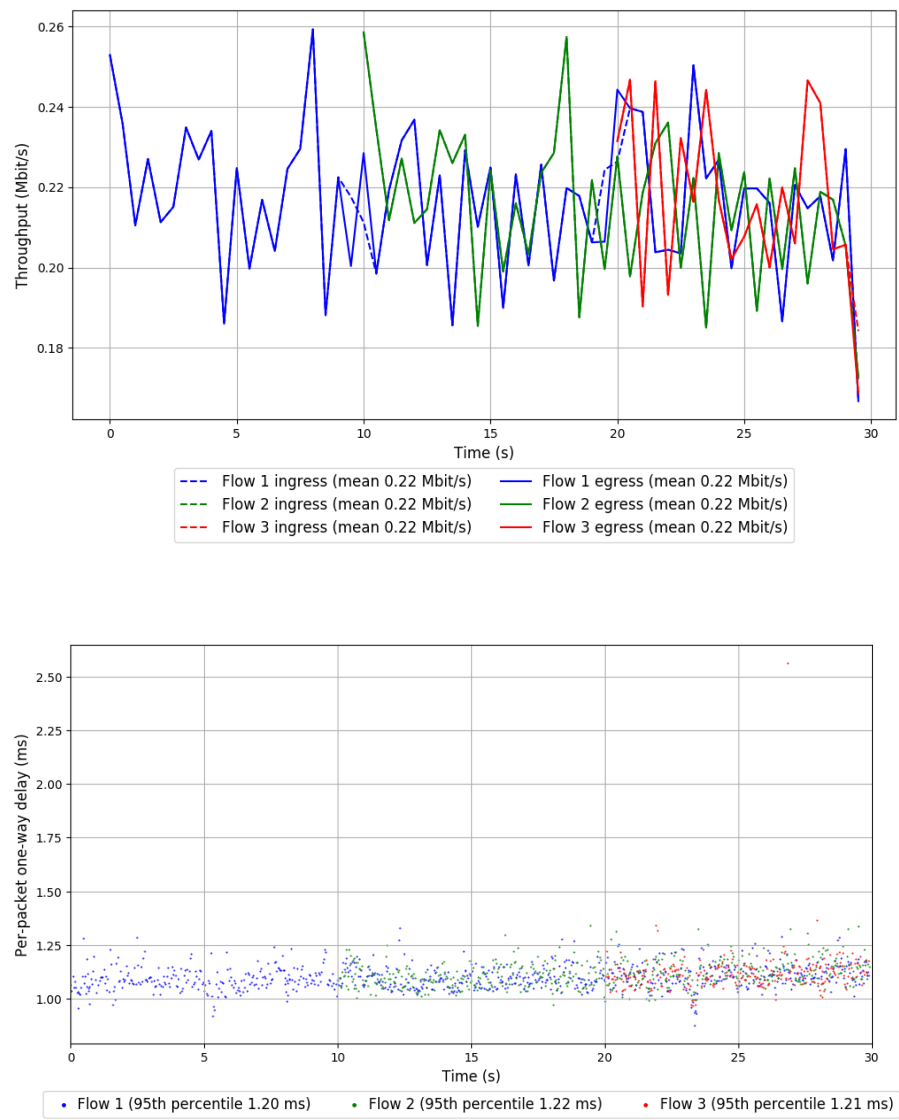


Run 4: Statistics of SReAM

Start at: 2018-04-03 18:35:43
End at: 2018-04-03 18:36:13
Local clock offset: 0.024 ms
Remote clock offset: -6.251 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

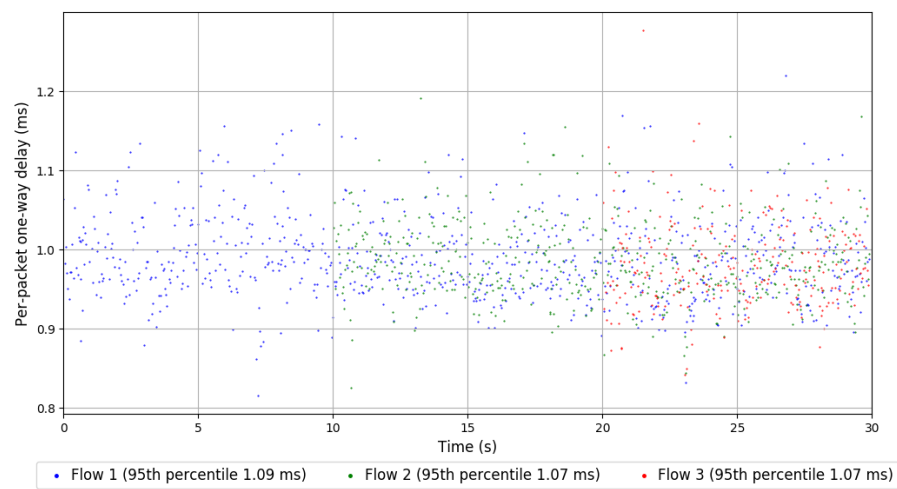
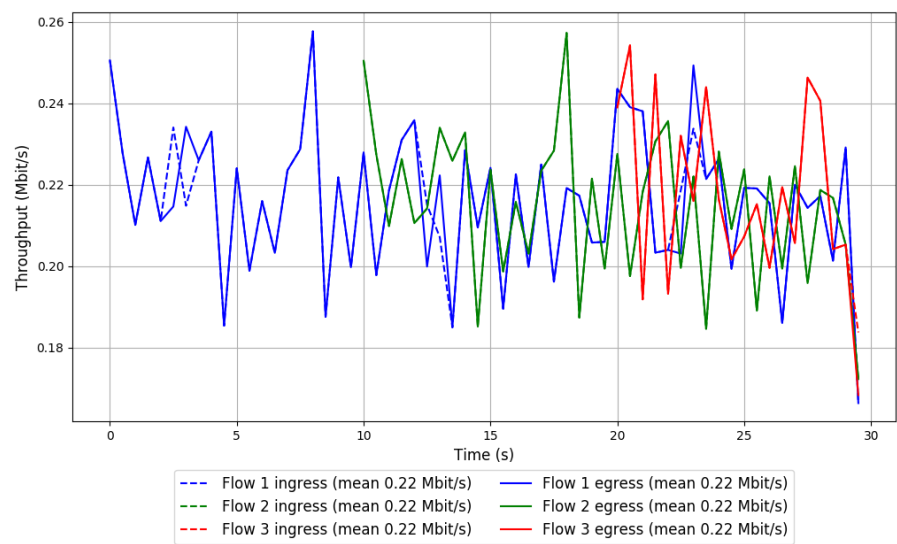


Run 5: Statistics of SReAM

Start at: 2018-04-03 19:04:41
End at: 2018-04-03 19:05:11
Local clock offset: 0.38 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-04-03 19:33:25

End at: 2018-04-03 19:33:55

Local clock offset: 0.439 ms

Remote clock offset: 1.281 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.240 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

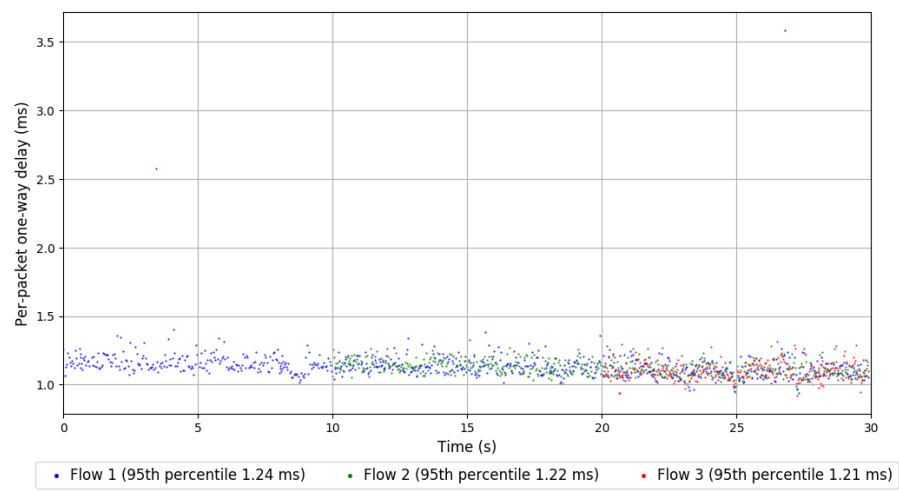
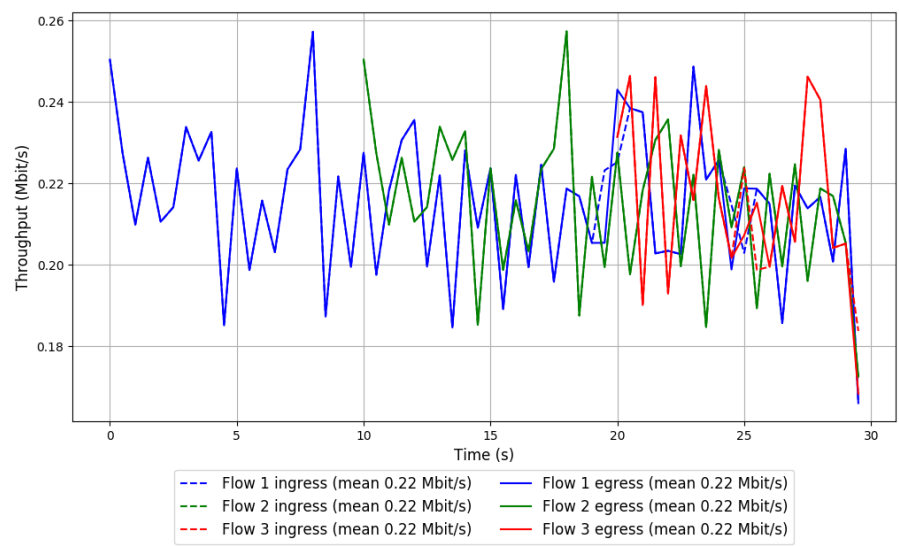
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

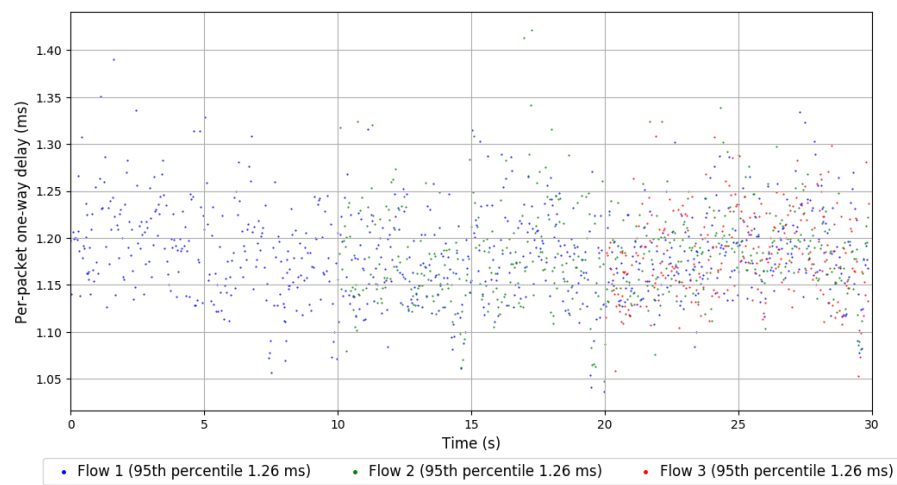
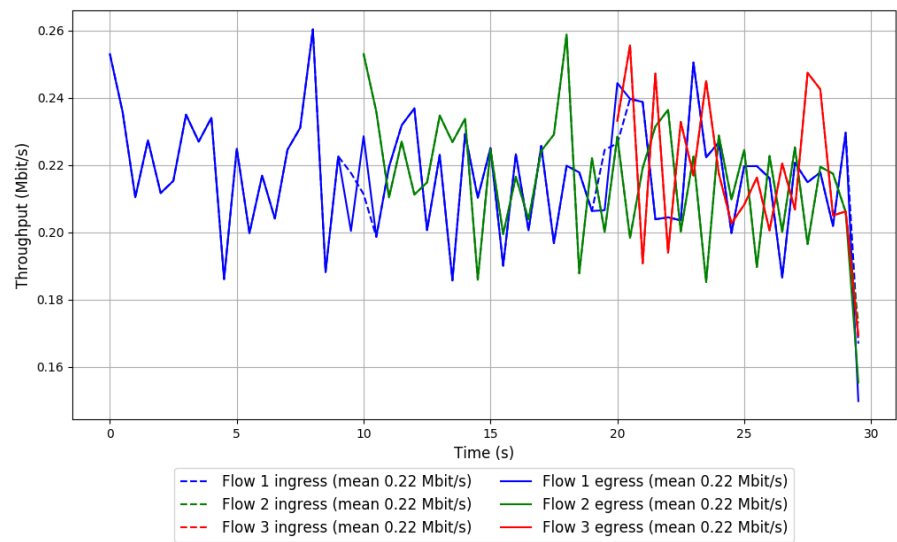


Run 7: Statistics of SReAM

Start at: 2018-04-03 20:02:03
End at: 2018-04-03 20:02:33
Local clock offset: 0.032 ms
Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-04-03 20:30:52

End at: 2018-04-03 20:31:22

Local clock offset: -0.24 ms

Remote clock offset: 0.607 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.00%

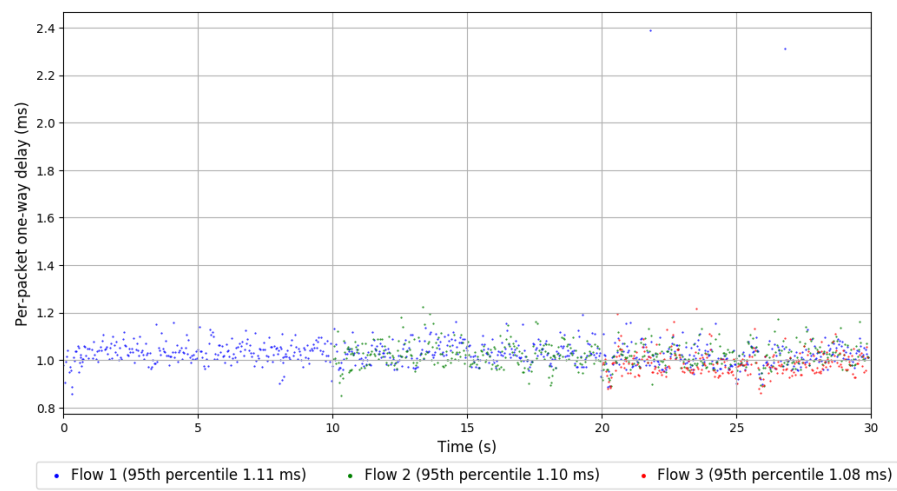
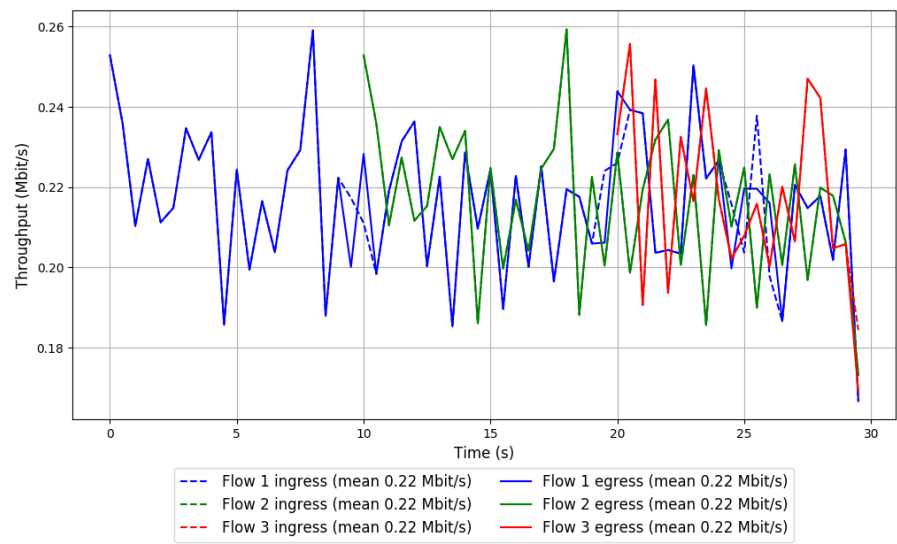
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-04-03 20:59:27

End at: 2018-04-03 20:59:57

Local clock offset: 0.566 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

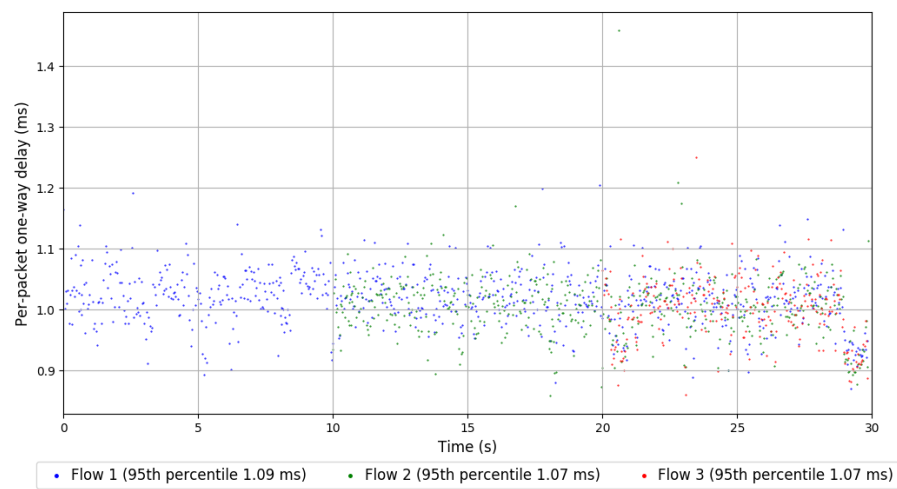
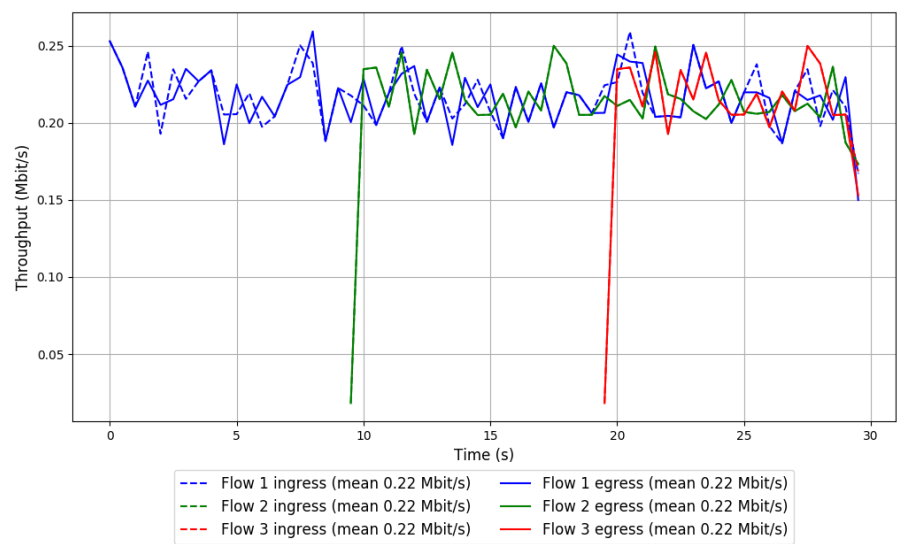
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.35%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-03 21:28:05

End at: 2018-04-03 21:28:35

Local clock offset: 0.944 ms

Remote clock offset: 0.496 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.00%

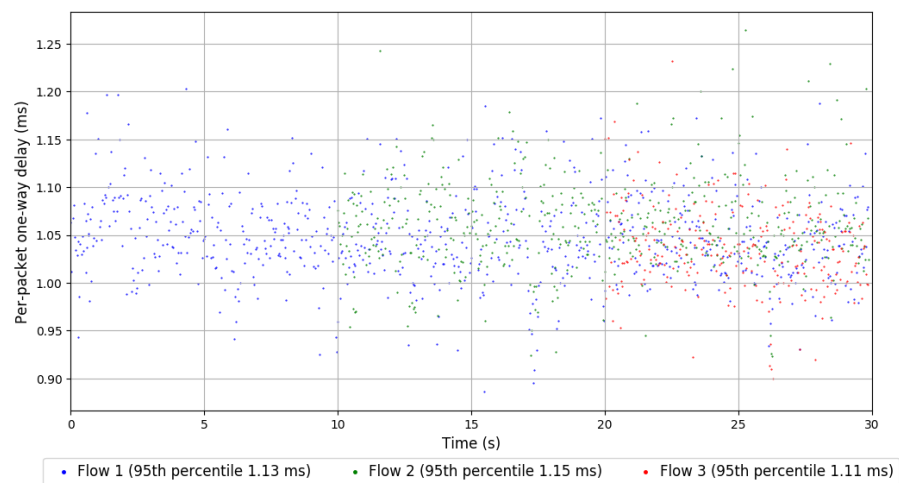
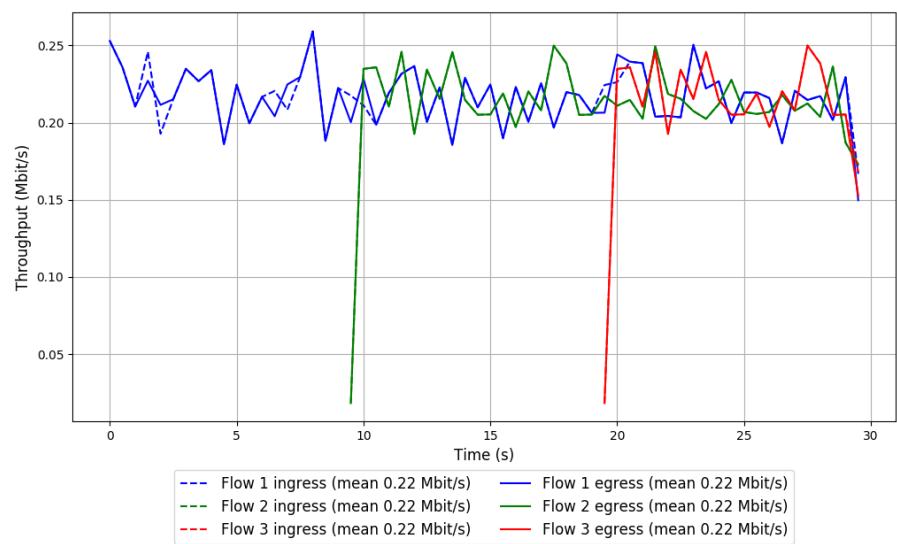
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

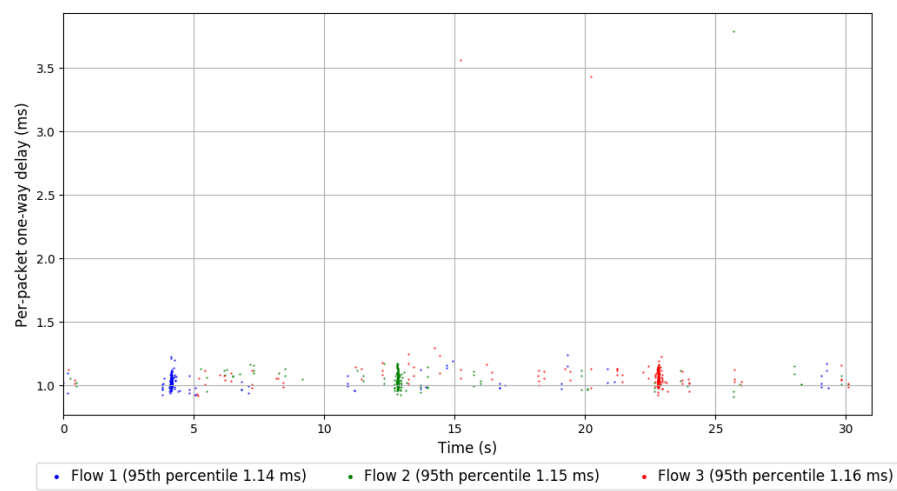
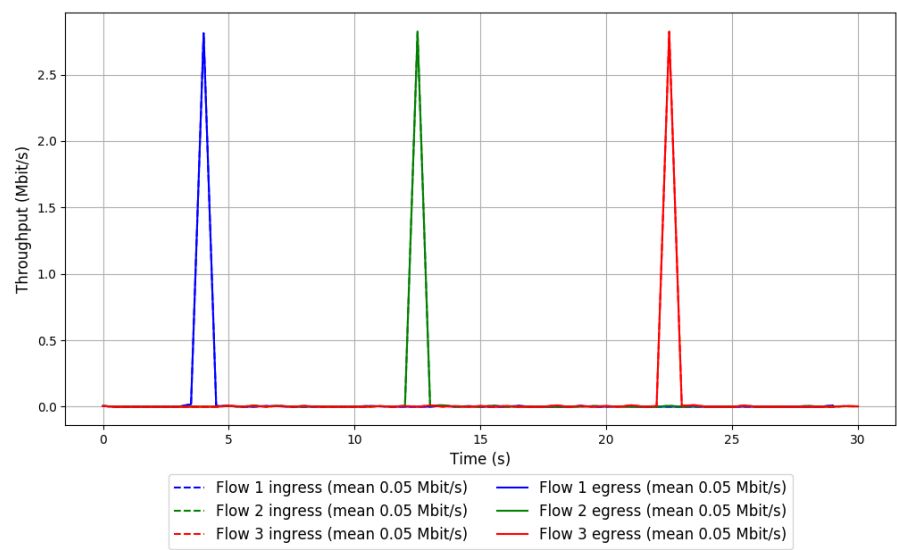


Run 1: Statistics of WebRTC media

Start at: 2018-04-03 17:19:56
End at: 2018-04-03 17:20:26
Local clock offset: 0.377 ms
Remote clock offset: -3.927 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

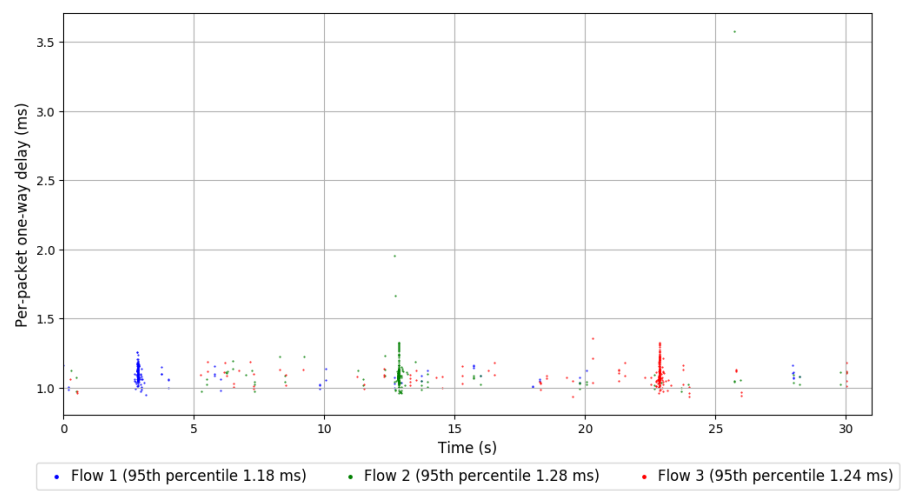
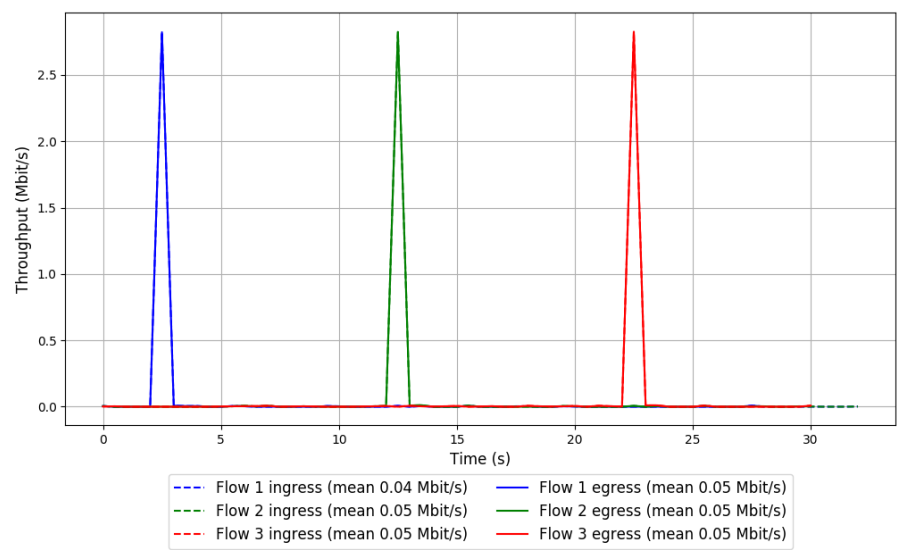


Run 2: Statistics of WebRTC media

Start at: 2018-04-03 17:48:55
End at: 2018-04-03 17:49:25
Local clock offset: 0.42 ms
Remote clock offset: -4.489 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

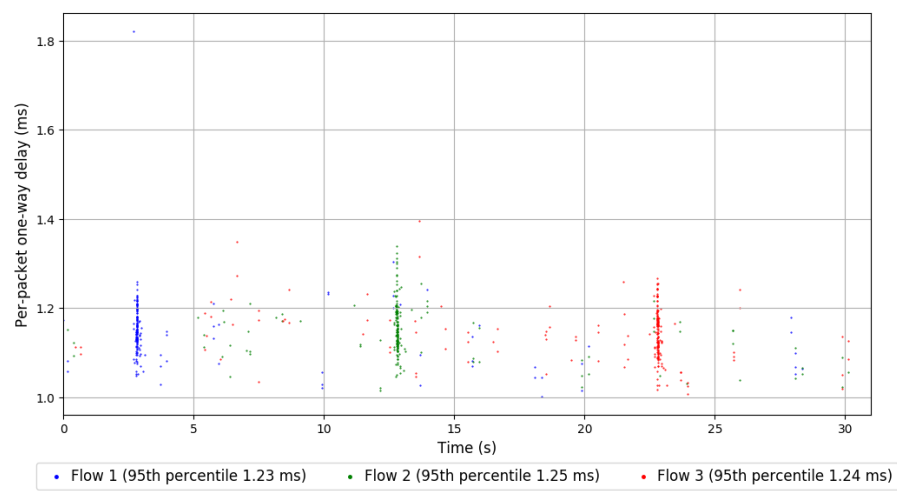
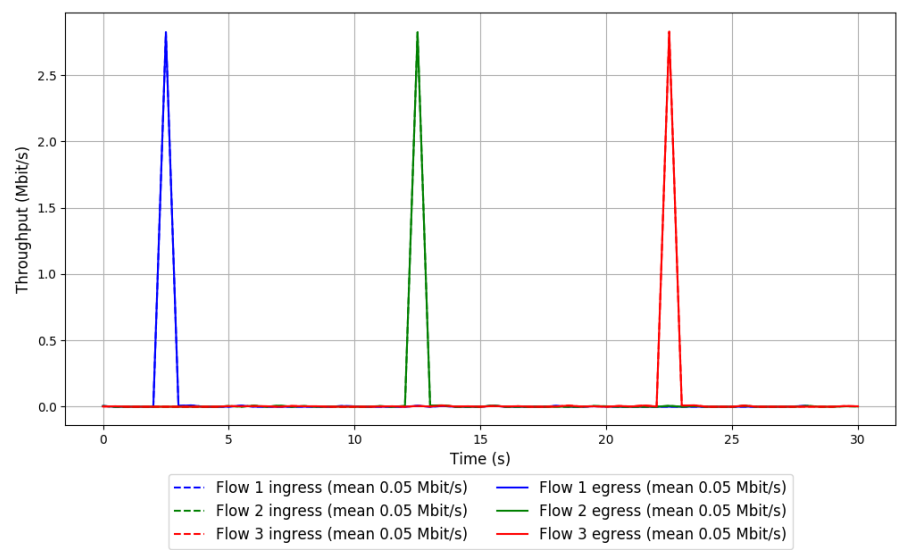


Run 3: Statistics of WebRTC media

Start at: 2018-04-03 18:17:55
End at: 2018-04-03 18:18:25
Local clock offset: 0.211 ms
Remote clock offset: -6.186 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

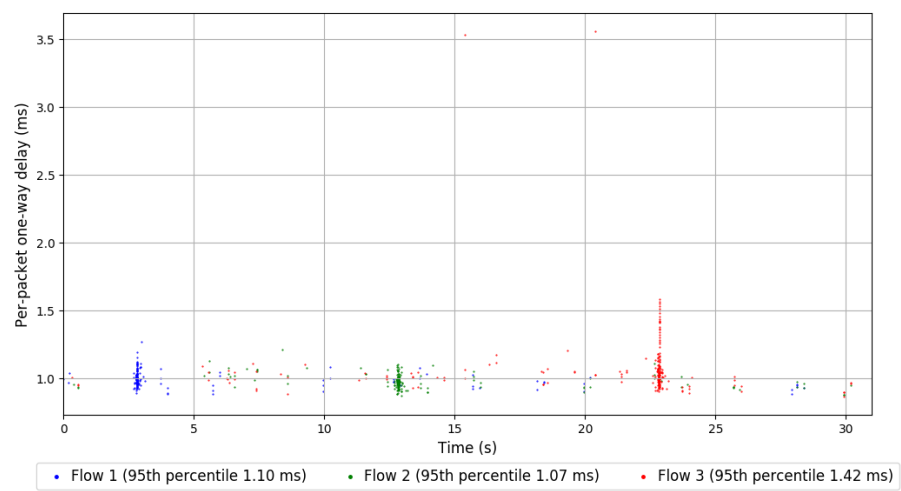
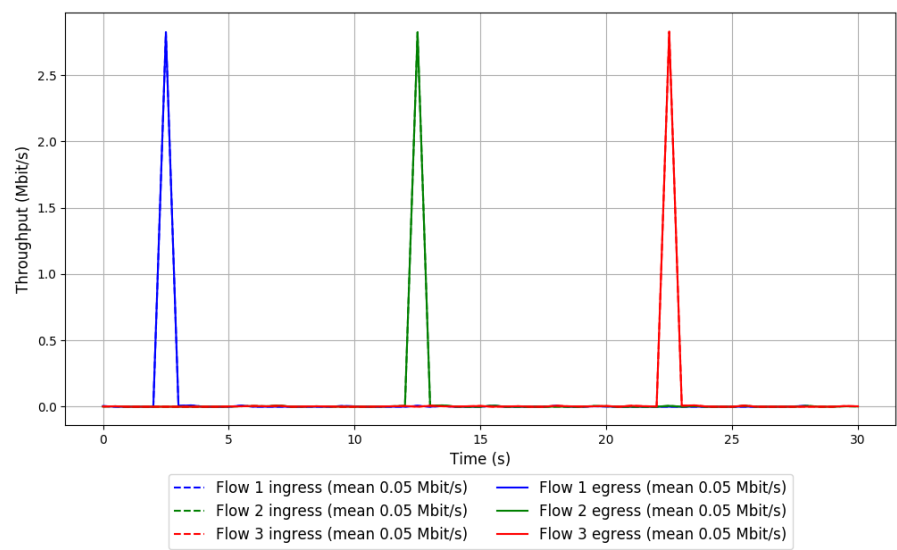


Run 4: Statistics of WebRTC media

Start at: 2018-04-03 18:46:50
End at: 2018-04-03 18:47:20
Local clock offset: 0.092 ms
Remote clock offset: -5.938 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.423 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-03 19:15:43

End at: 2018-04-03 19:16:13

Local clock offset: 0.547 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.00%

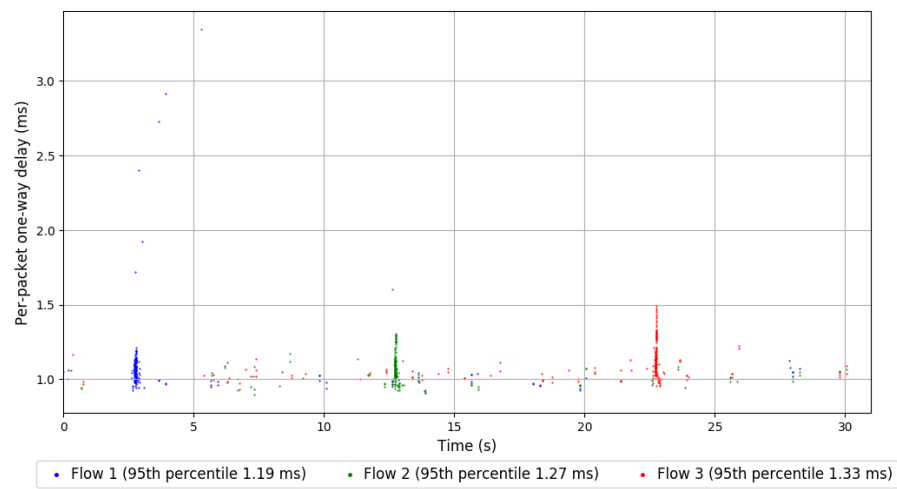
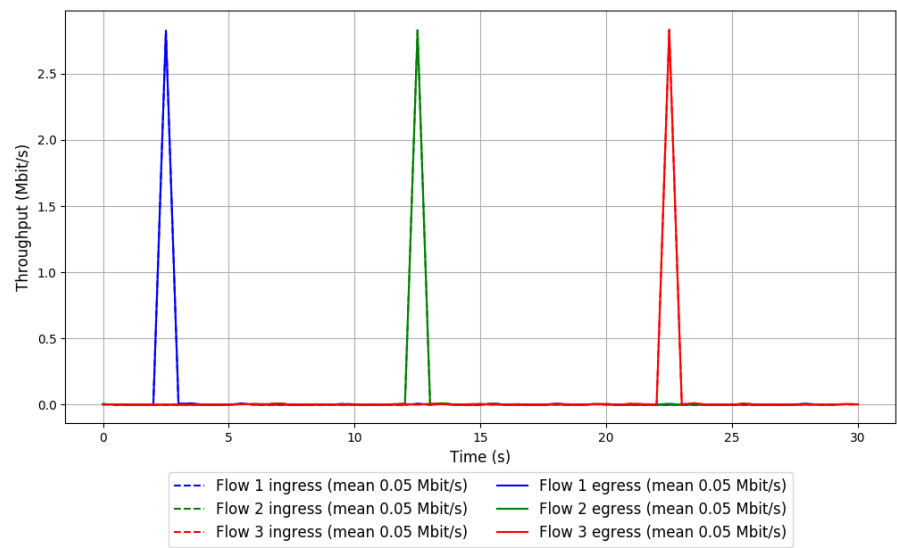
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.330 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-03 19:44:22

End at: 2018-04-03 19:44:52

Local clock offset: 0.26 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.245 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

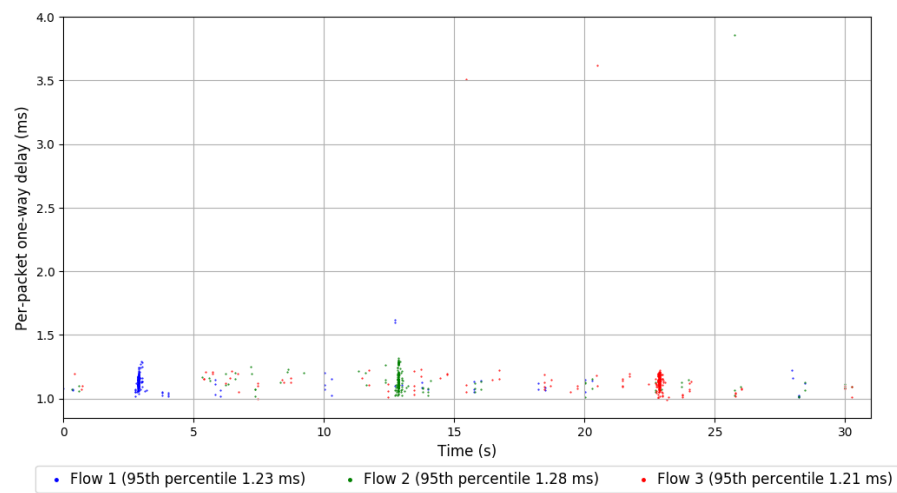
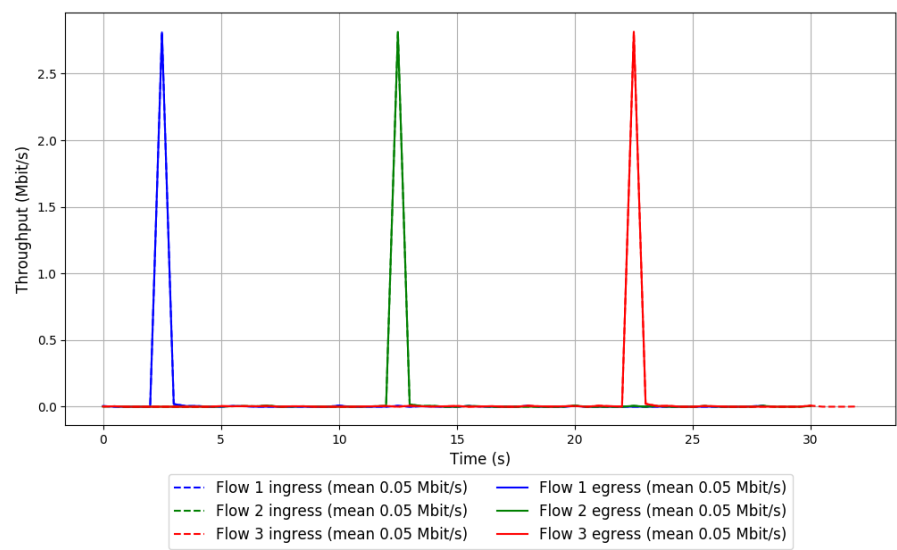
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 20:13:11

End at: 2018-04-03 20:13:41

Local clock offset: -0.112 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.00%

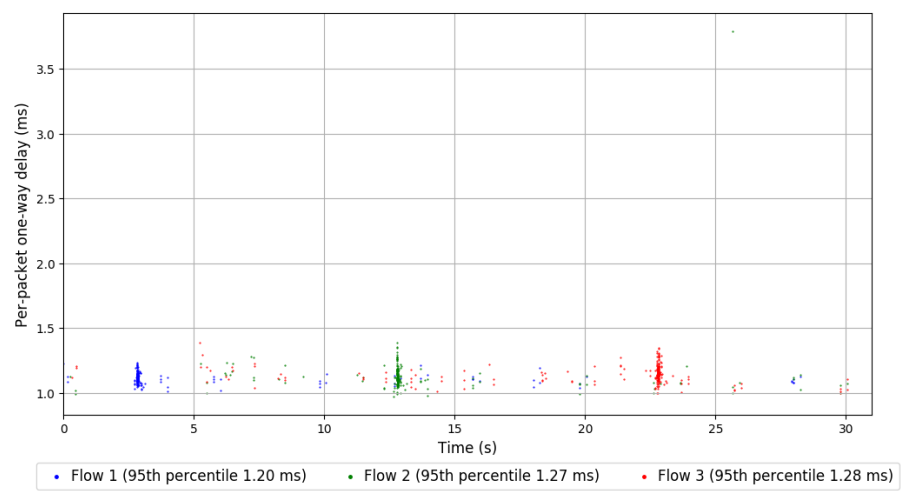
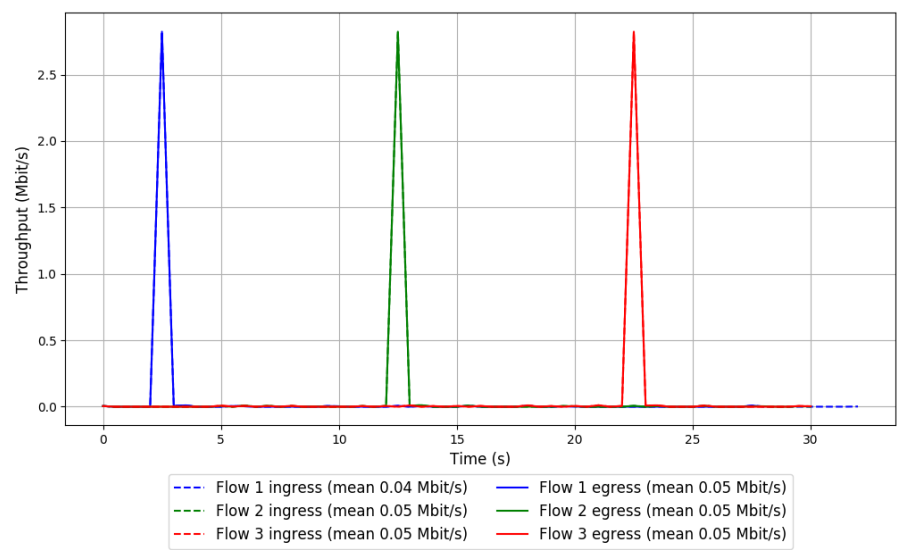
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-03 20:42:03

End at: 2018-04-03 20:42:33

Local clock offset: 0.098 ms

Remote clock offset: 0.348 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.00%

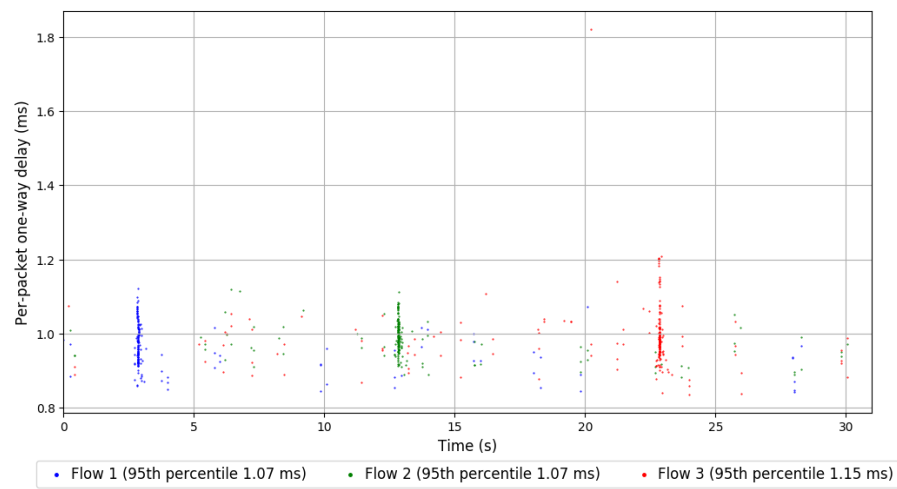
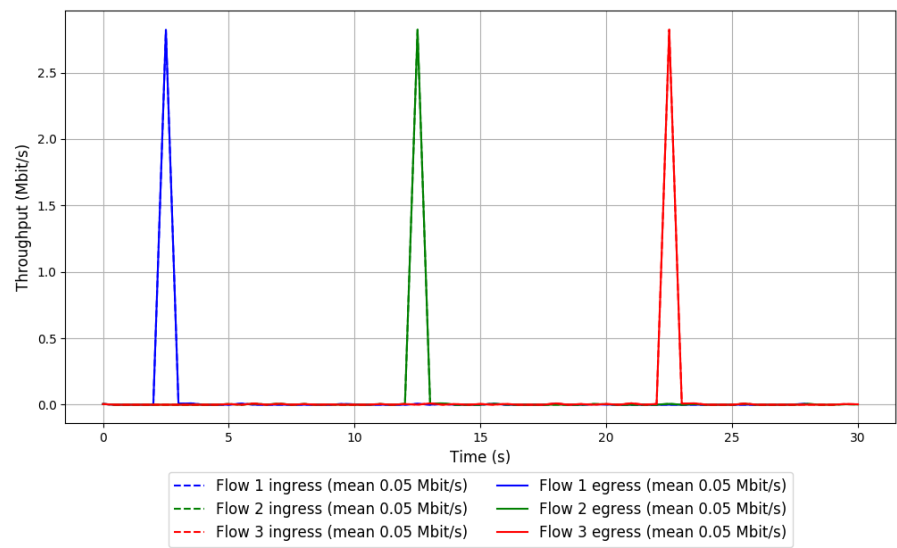
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.149 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-03 21:10:30

End at: 2018-04-03 21:11:00

Local clock offset: 0.791 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.00%

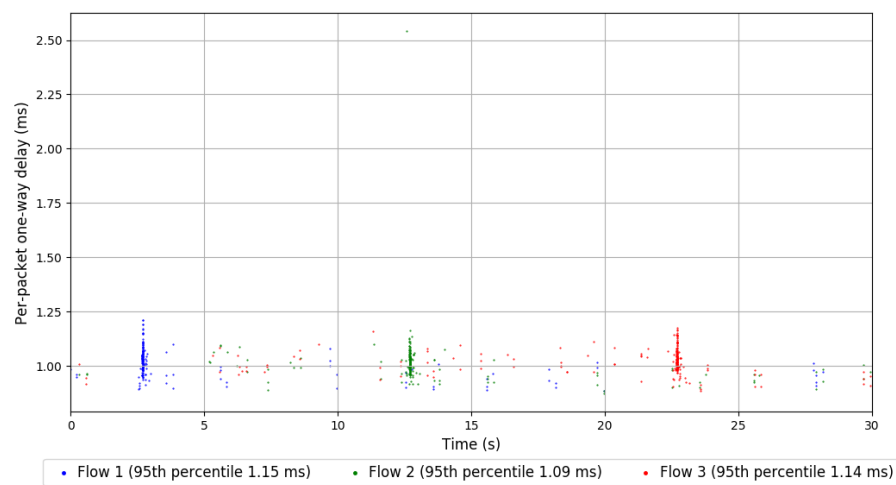
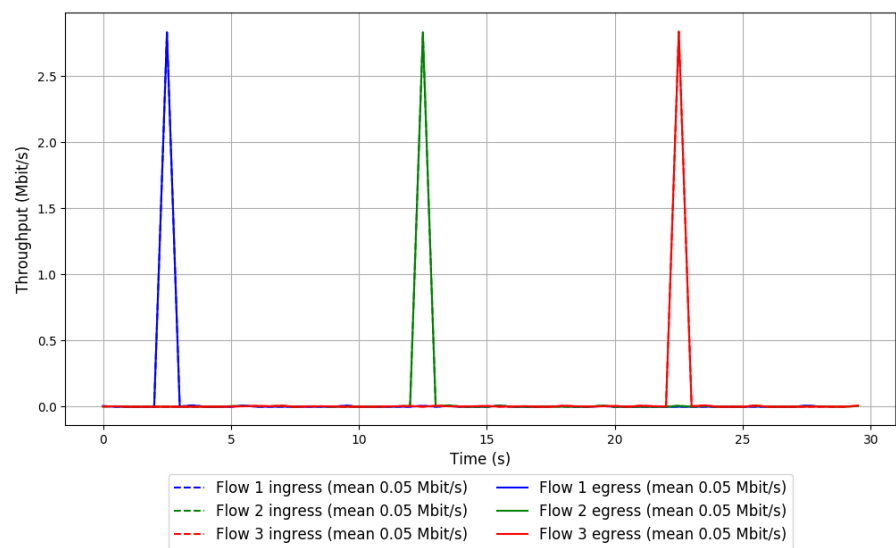
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-03 21:39:14

End at: 2018-04-03 21:39:44

Local clock offset: 1.03 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.00%

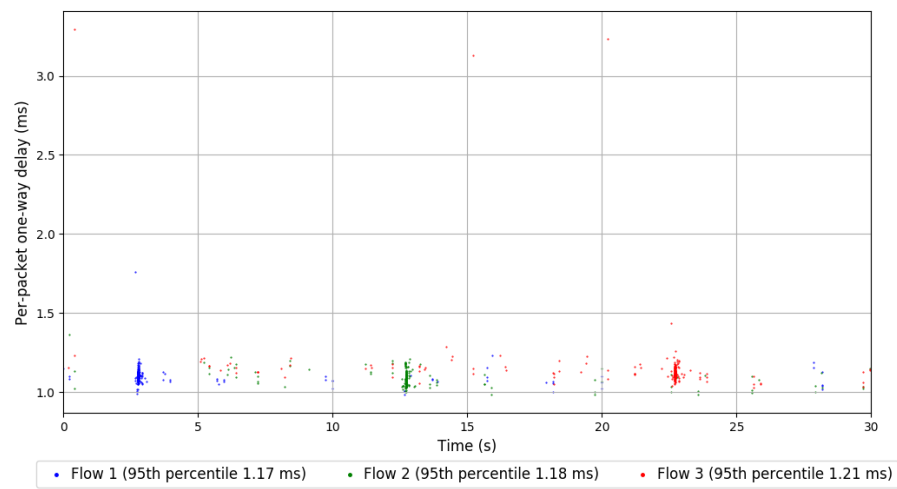
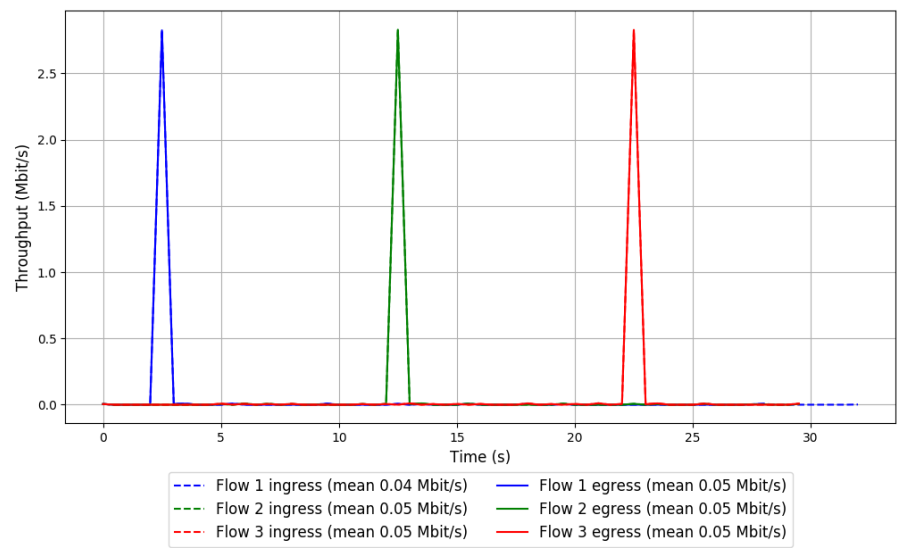
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

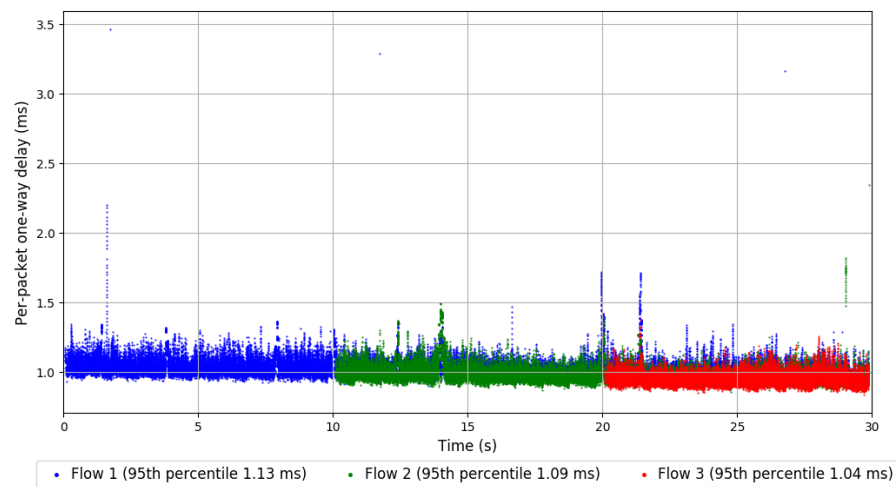
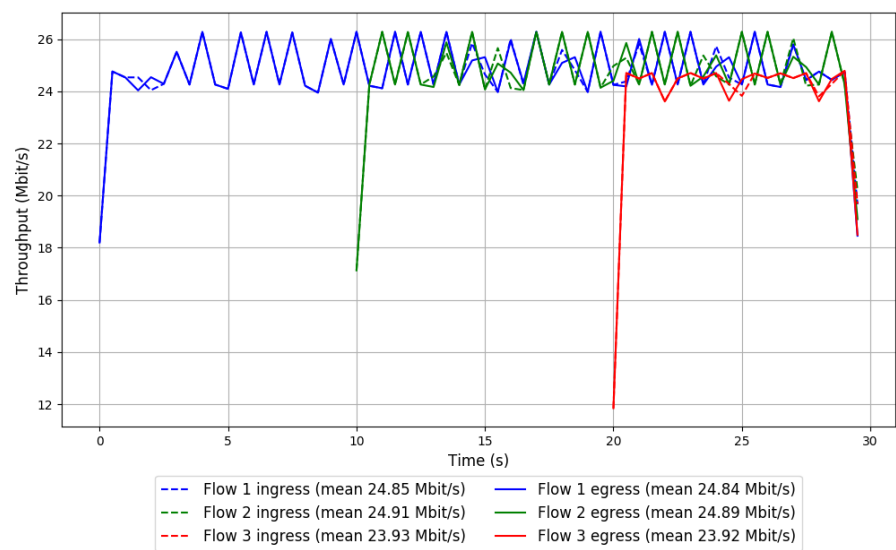


Run 1: Statistics of Sprout

Start at: 2018-04-03 17:24:34
End at: 2018-04-03 17:25:04
Local clock offset: 0.367 ms
Remote clock offset: -3.797 ms

Below is generated by plot.py at 2018-04-04 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.25%

Run 1: Report of Sprout — Data Link

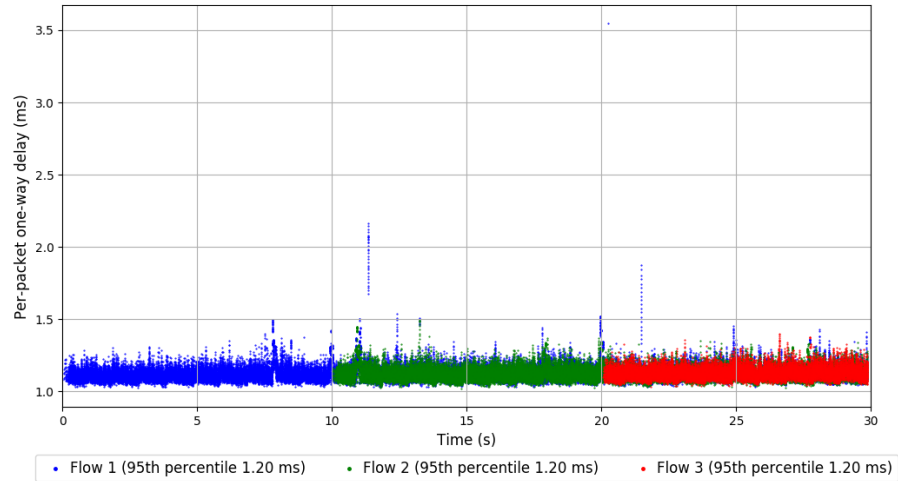
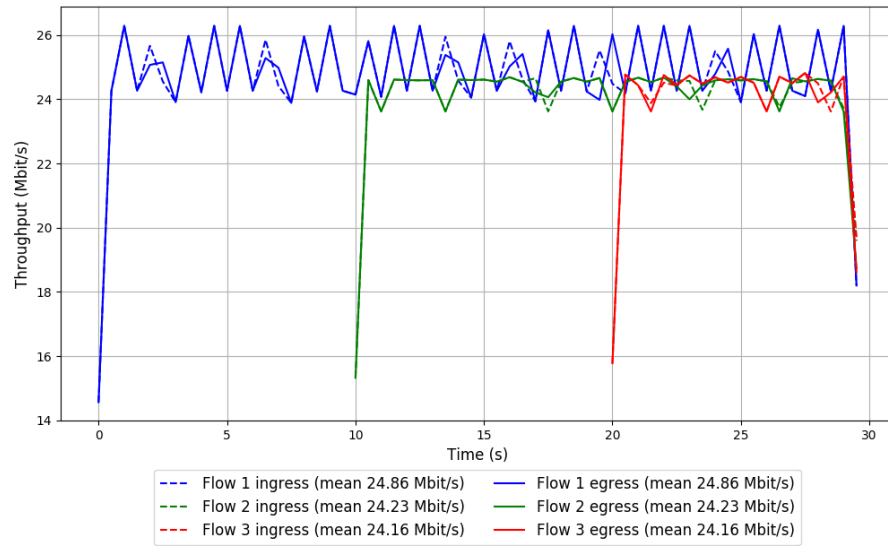


Run 2: Statistics of Sprout

Start at: 2018-04-03 17:53:37
End at: 2018-04-03 17:54:07
Local clock offset: 0.36 ms
Remote clock offset: -4.464 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.23%
```

Run 2: Report of Sprout — Data Link

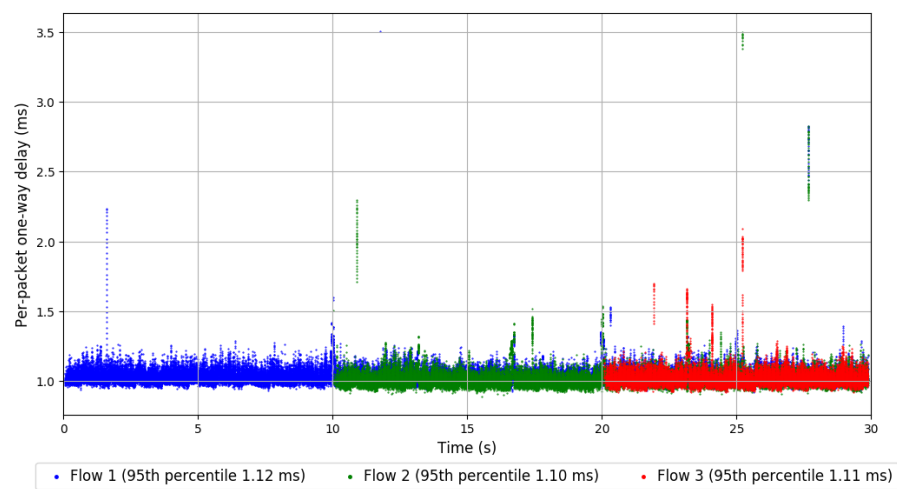
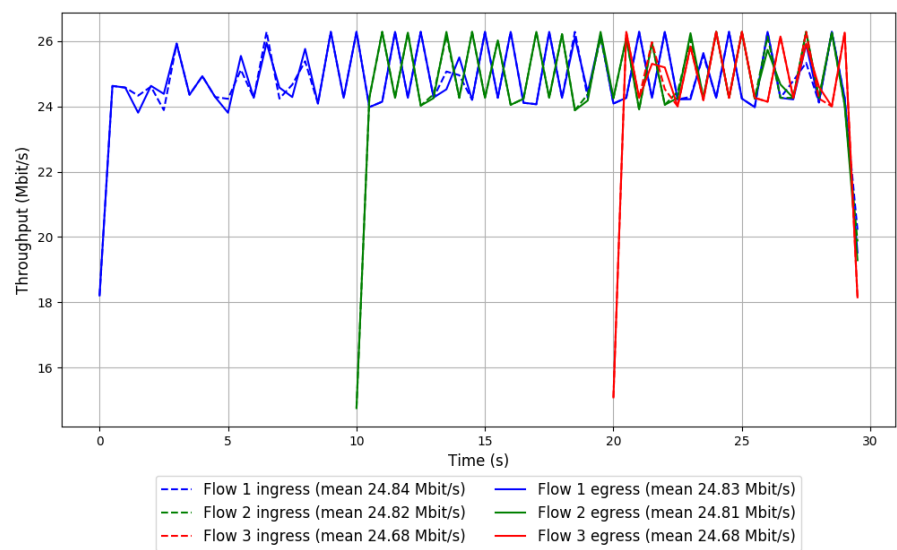


Run 3: Statistics of Sprout

Start at: 2018-04-03 18:22:31
End at: 2018-04-03 18:23:01
Local clock offset: 0.14 ms
Remote clock offset: -6.249 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

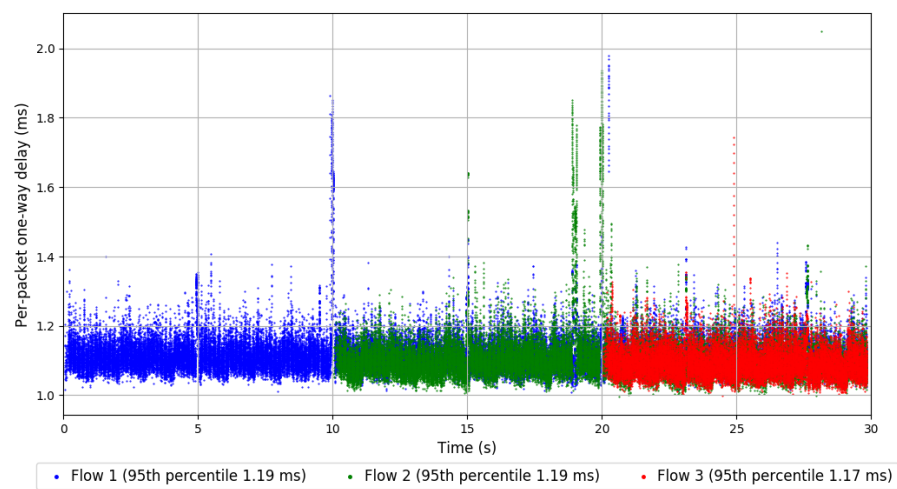
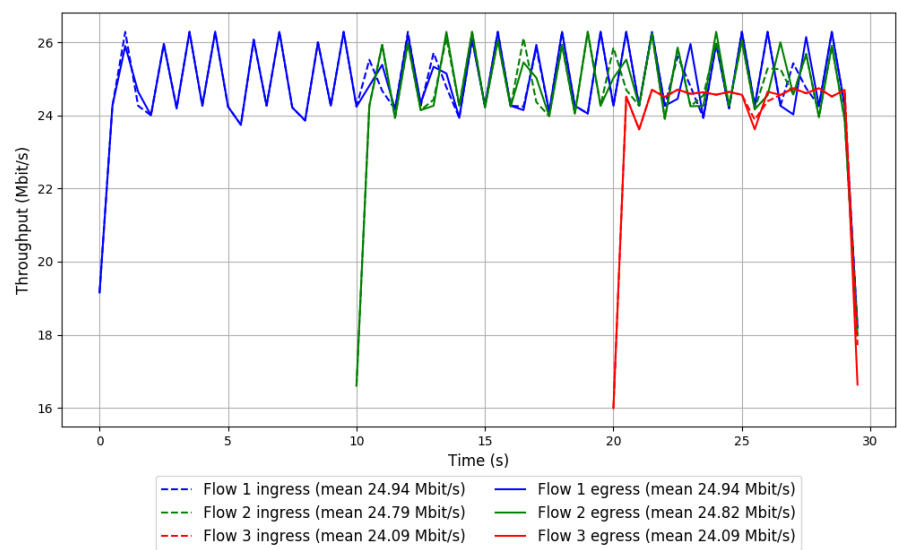


Run 4: Statistics of Sprout

Start at: 2018-04-03 18:51:29
End at: 2018-04-03 18:51:59
Local clock offset: 0.179 ms
Remote clock offset: -5.999 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-03 19:20:21

End at: 2018-04-03 19:20:51

Local clock offset: 0.506 ms

Remote clock offset: 0.712 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.296 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1.322 ms

Loss rate: 0.07%

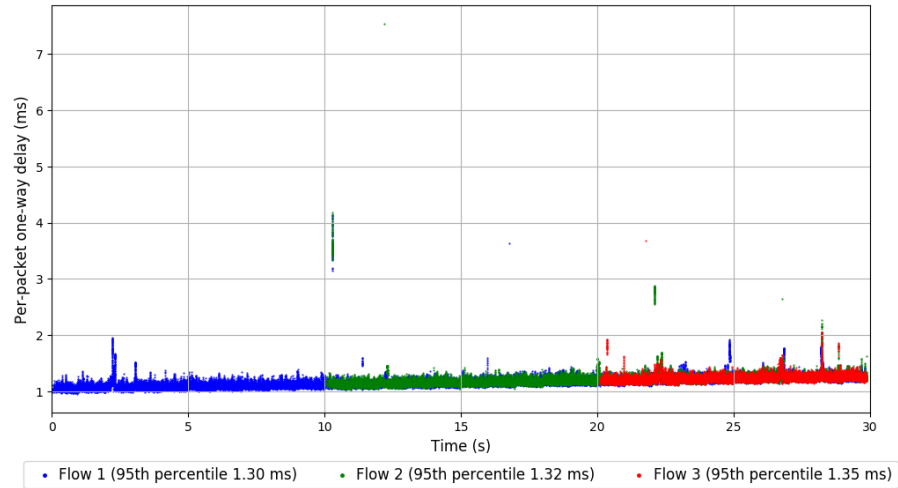
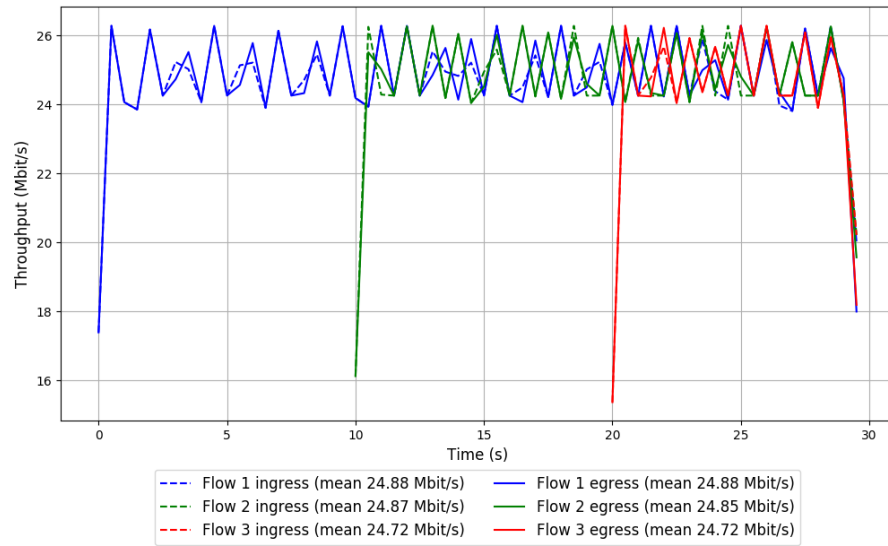
-- Flow 3:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.42%

Run 5: Report of Sprout — Data Link

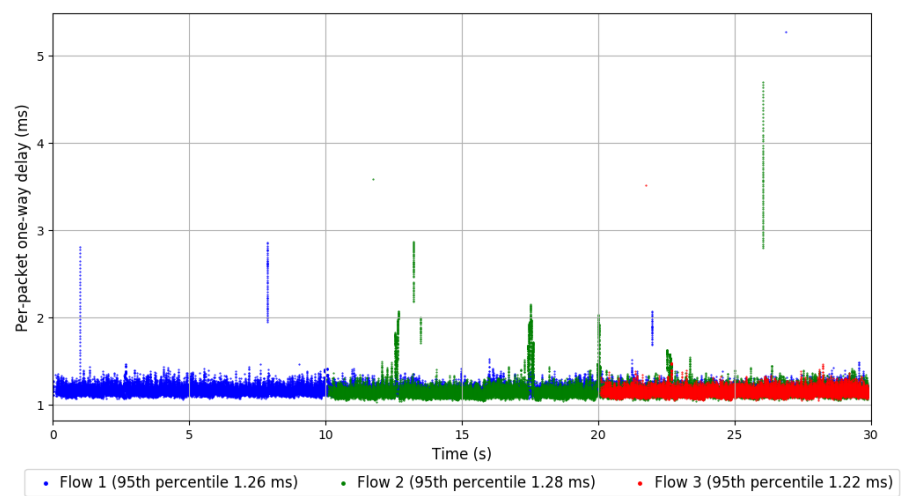
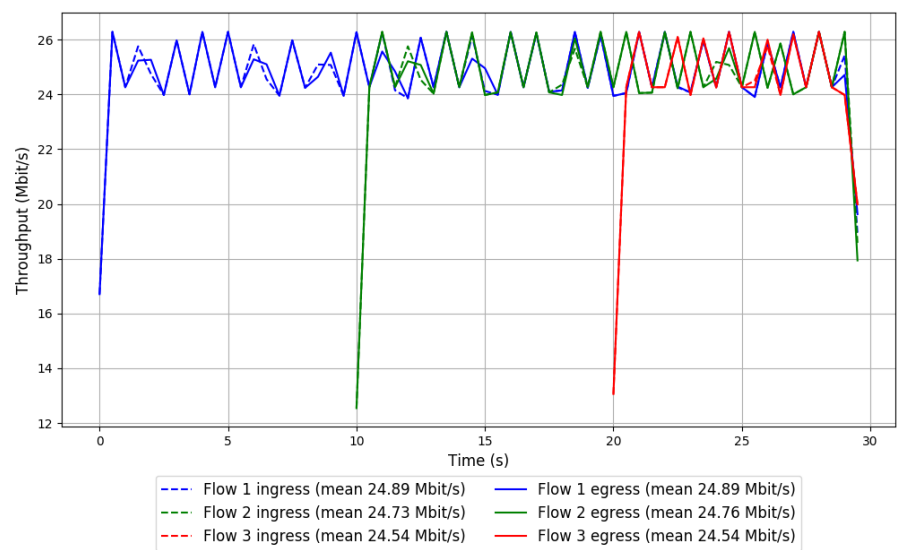


Run 6: Statistics of Sprout

Start at: 2018-04-03 19:49:00
End at: 2018-04-03 19:49:30
Local clock offset: 0.206 ms
Remote clock offset: 0.268 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

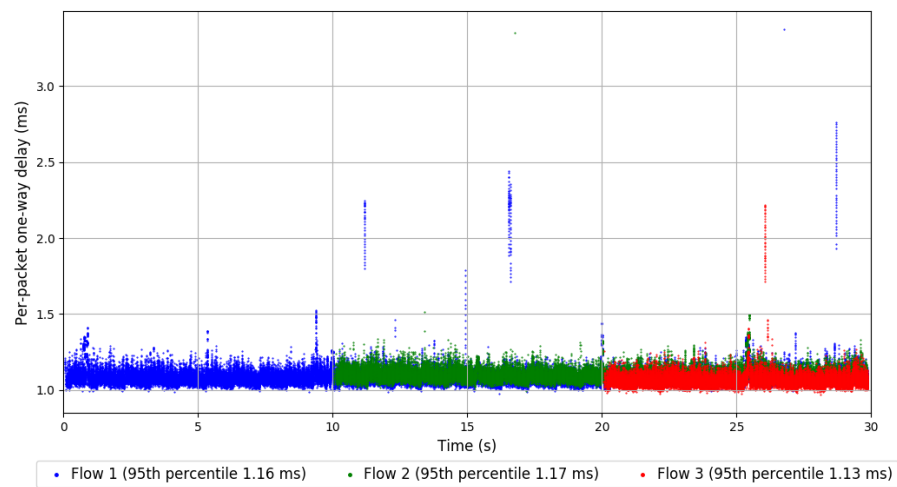
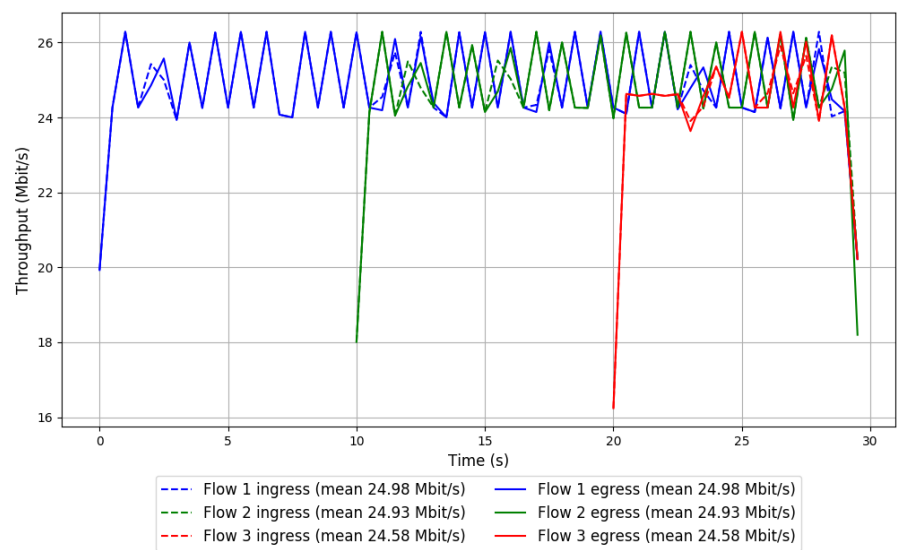


Run 7: Statistics of Sprout

Start at: 2018-04-03 20:17:47
End at: 2018-04-03 20:18:17
Local clock offset: -0.138 ms
Remote clock offset: 0.446 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-03 20:46:29

End at: 2018-04-03 20:46:59

Local clock offset: 0.321 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.37 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.10%

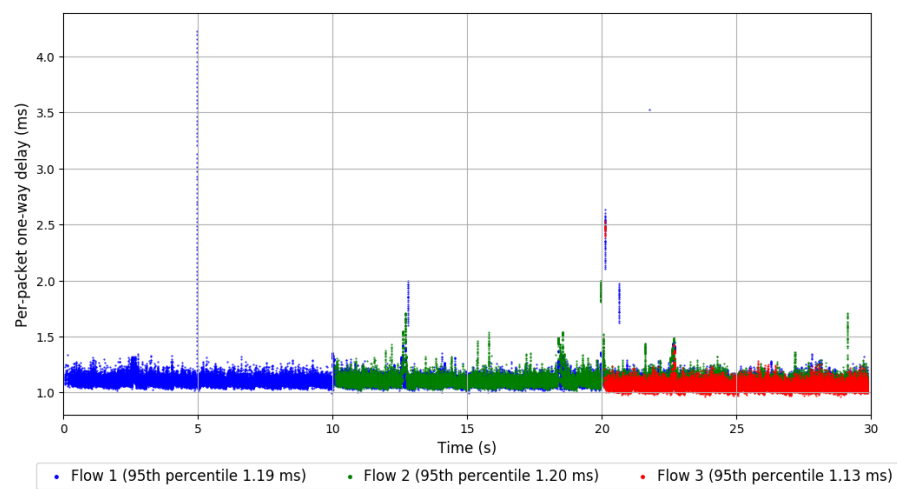
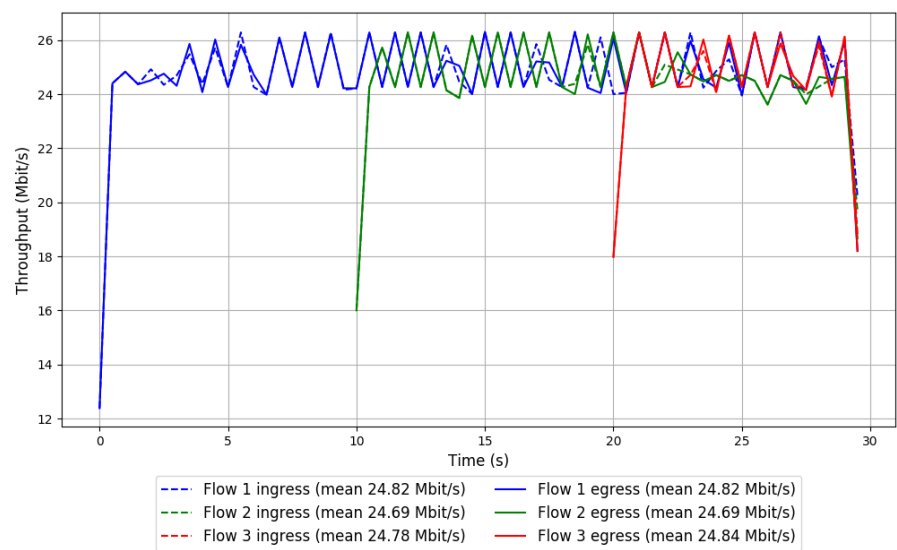
-- Flow 3:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.13%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-03 21:14:58

End at: 2018-04-03 21:15:28

Local clock offset: 0.839 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-04-04 03:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.16 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 1.137 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.21%

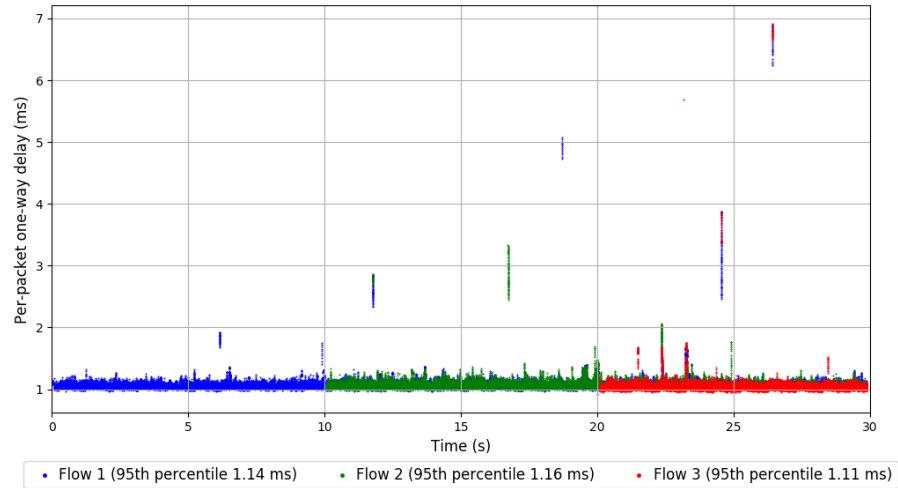
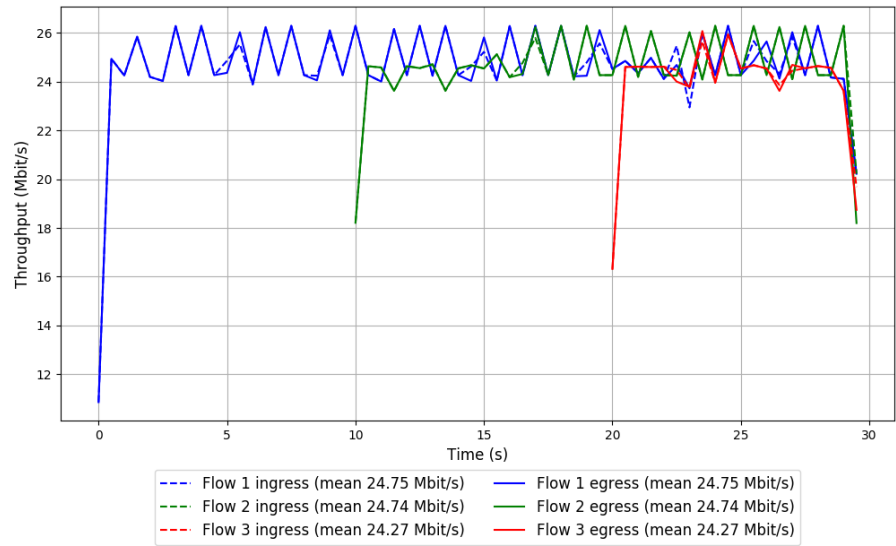
-- Flow 3:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.20%

Run 9: Report of Sprout — Data Link

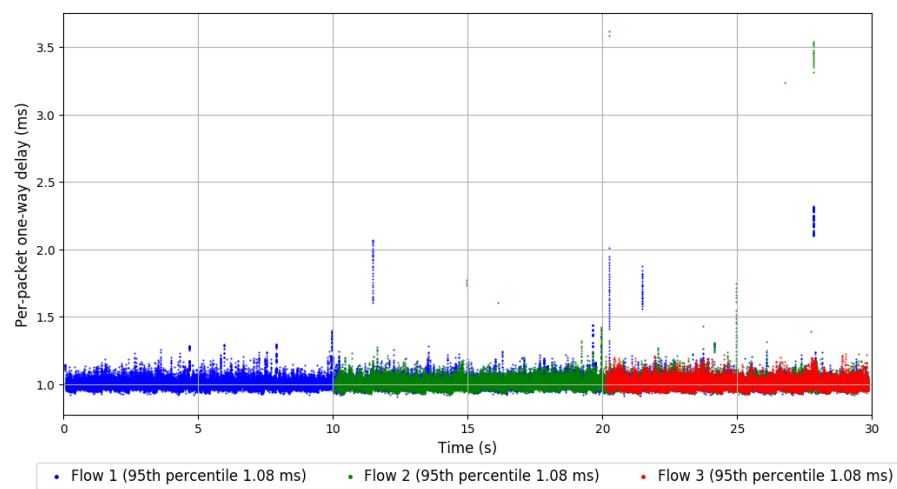
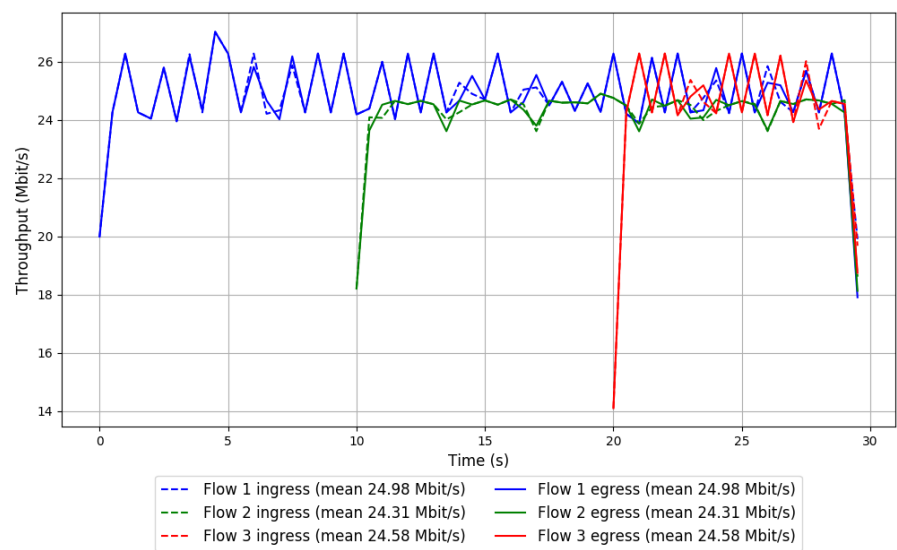


Run 10: Statistics of Sprout

Start at: 2018-04-03 21:43:43
End at: 2018-04-03 21:44:13
Local clock offset: 1.033 ms
Remote clock offset: 0.52 ms

```
# Below is generated by plot.py at 2018-04-04 03:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.19%
```

Run 10: Report of Sprout — Data Link

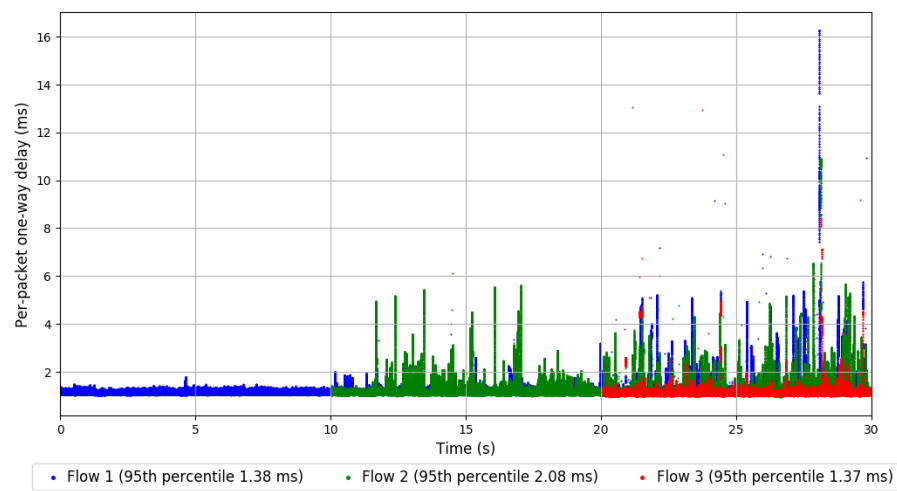
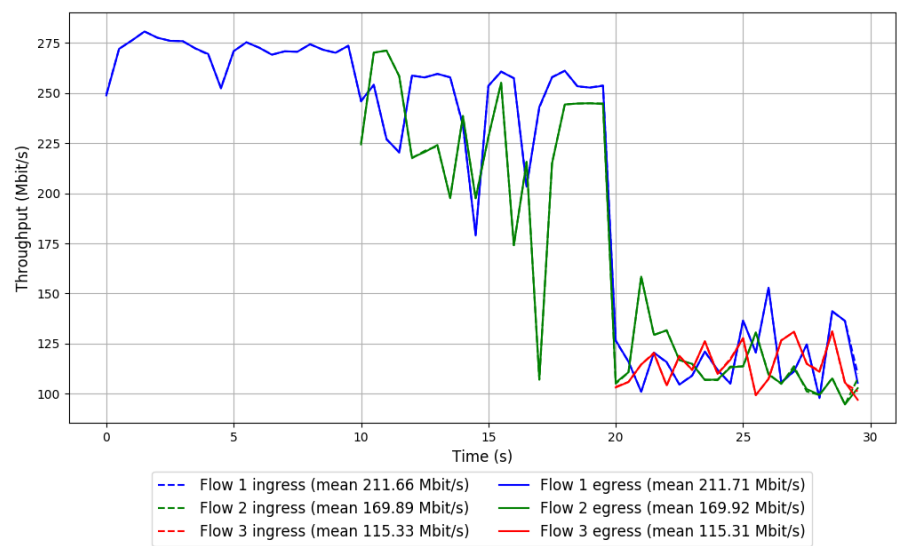


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 17:11:31
End at: 2018-04-03 17:12:01
Local clock offset: 0.385 ms
Remote clock offset: -4.295 ms

Below is generated by plot.py at 2018-04-04 04:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.88 Mbit/s
95th percentile per-packet one-way delay: 1.594 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 211.71 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 169.92 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 115.31 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.20%

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

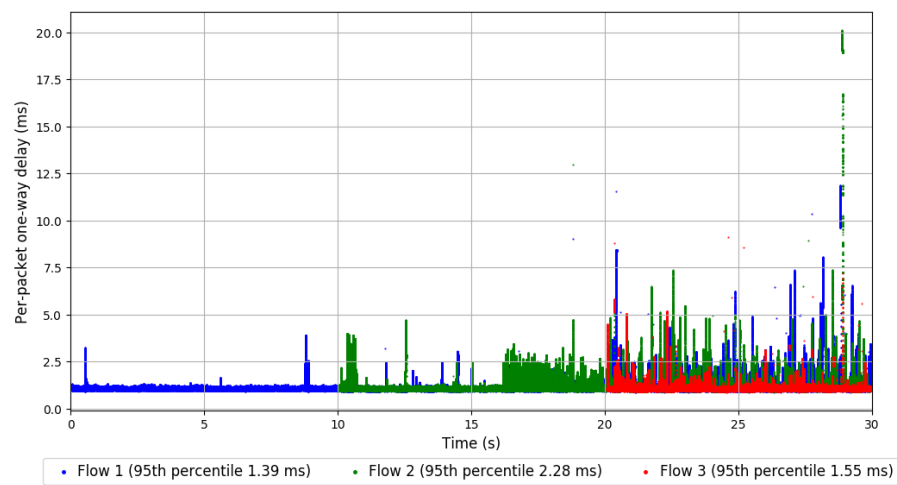
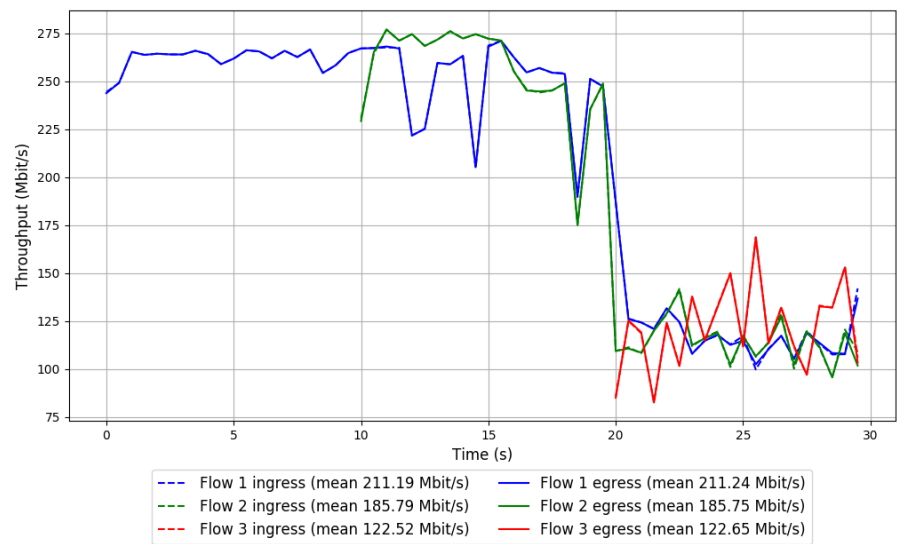


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 17:40:26
End at: 2018-04-03 17:40:56
Local clock offset: 0.42 ms
Remote clock offset: -4.516 ms

# Below is generated by plot.py at 2018-04-04 04:01:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.45 Mbit/s
95th percentile per-packet one-way delay: 1.778 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 185.75 Mbit/s
95th percentile per-packet one-way delay: 2.280 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 122.65 Mbit/s
95th percentile per-packet one-way delay: 1.548 ms
Loss rate: 0.14%
```

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

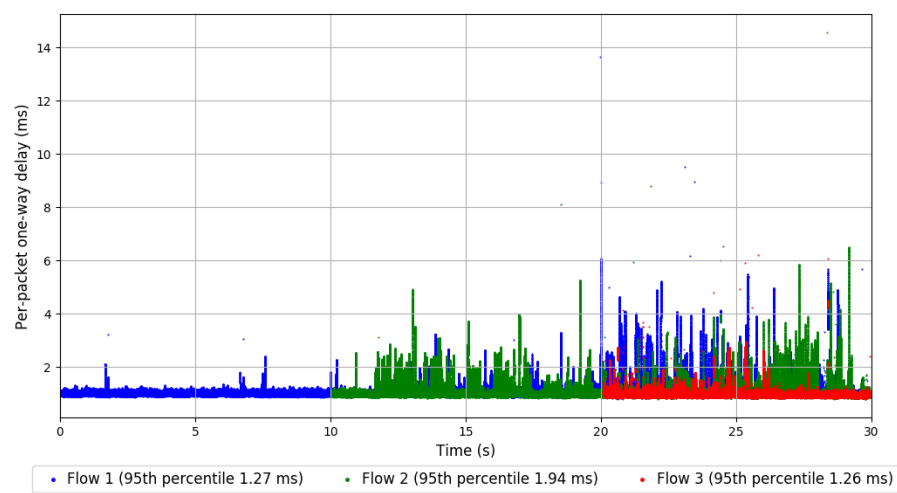
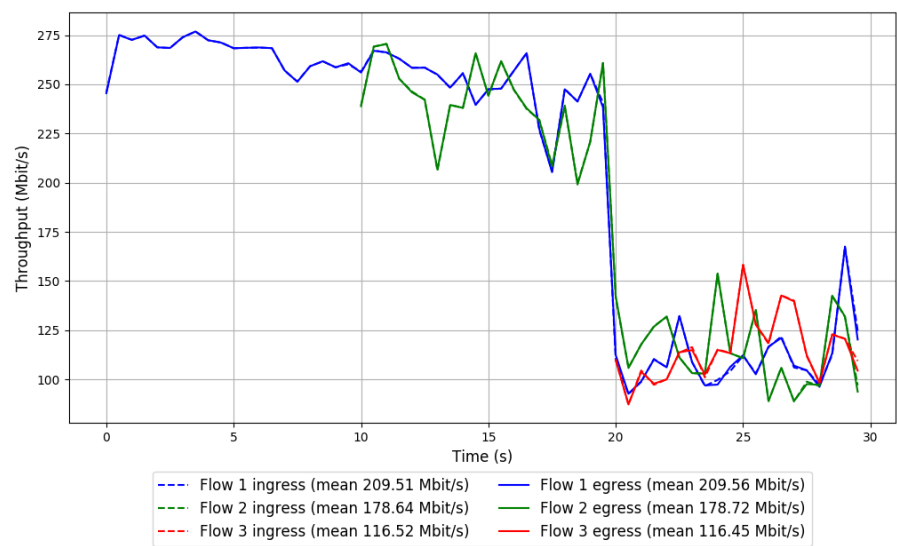


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 18:09:27
End at: 2018-04-03 18:09:57
Local clock offset: 0.16 ms
Remote clock offset: -5.788 ms

Below is generated by plot.py at 2018-04-04 04:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.00 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 209.56 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 178.72 Mbit/s
95th percentile per-packet one-way delay: 1.940 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 116.45 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.22%

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

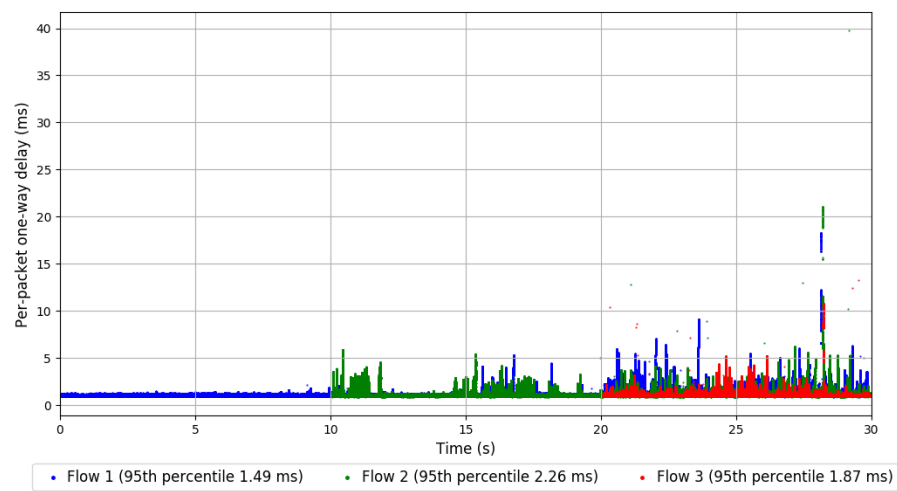
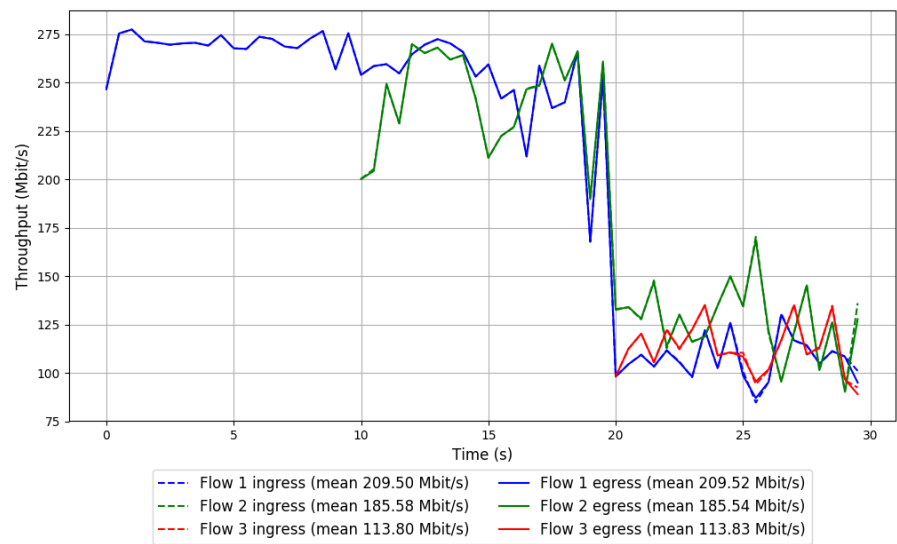


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 18:38:25
End at: 2018-04-03 18:38:55
Local clock offset: -0.071 ms
Remote clock offset: -6.229 ms

Below is generated by plot.py at 2018-04-04 04:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.49 Mbit/s
95th percentile per-packet one-way delay: 1.844 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 1.492 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 185.54 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 113.83 Mbit/s
95th percentile per-packet one-way delay: 1.866 ms
Loss rate: 0.16%

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

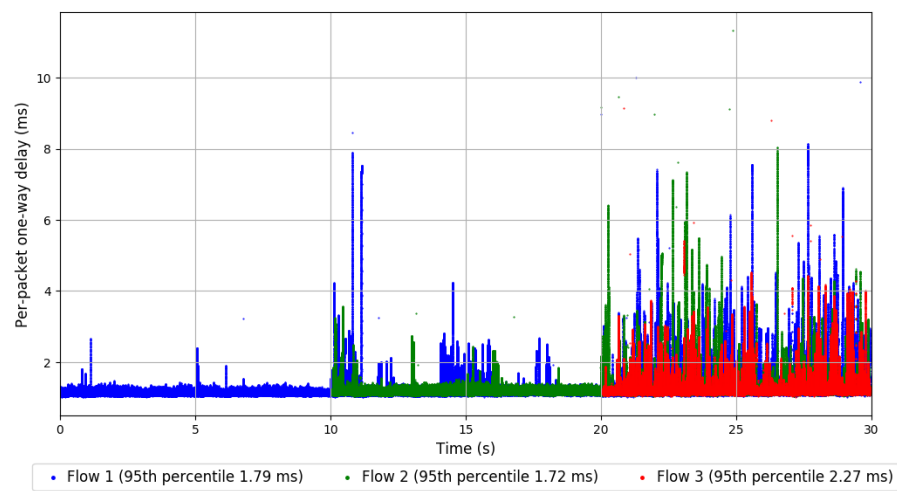
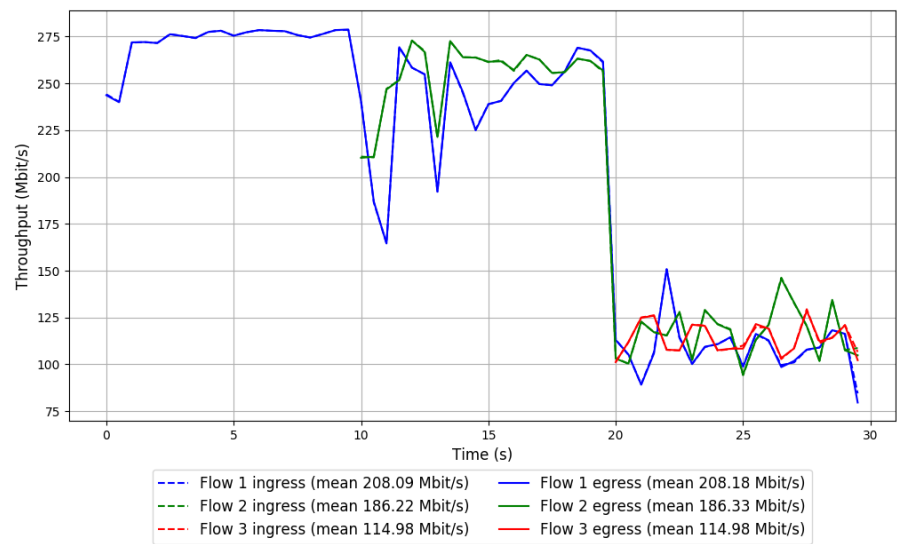


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 19:07:23
End at: 2018-04-03 19:07:53
Local clock offset: 0.506 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-04-04 04:02:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.10 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 208.18 Mbit/s
95th percentile per-packet one-way delay: 1.795 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 1.719 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 114.98 Mbit/s
95th percentile per-packet one-way delay: 2.272 ms
Loss rate: 0.21%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 19:36:07

End at: 2018-04-03 19:36:37

Local clock offset: 0.29 ms

Remote clock offset: 0.874 ms

Below is generated by plot.py at 2018-04-04 04:02:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.68 Mbit/s

95th percentile per-packet one-way delay: 2.023 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 199.18 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 177.99 Mbit/s

95th percentile per-packet one-way delay: 2.700 ms

Loss rate: 0.08%

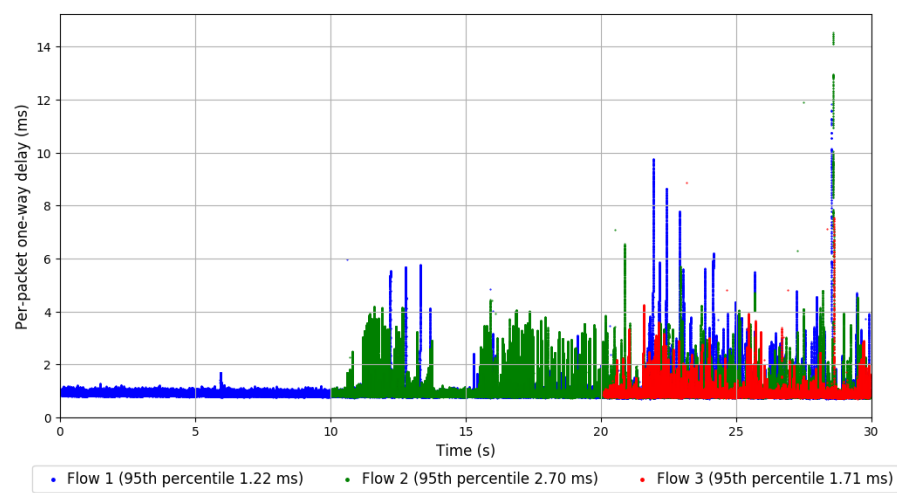
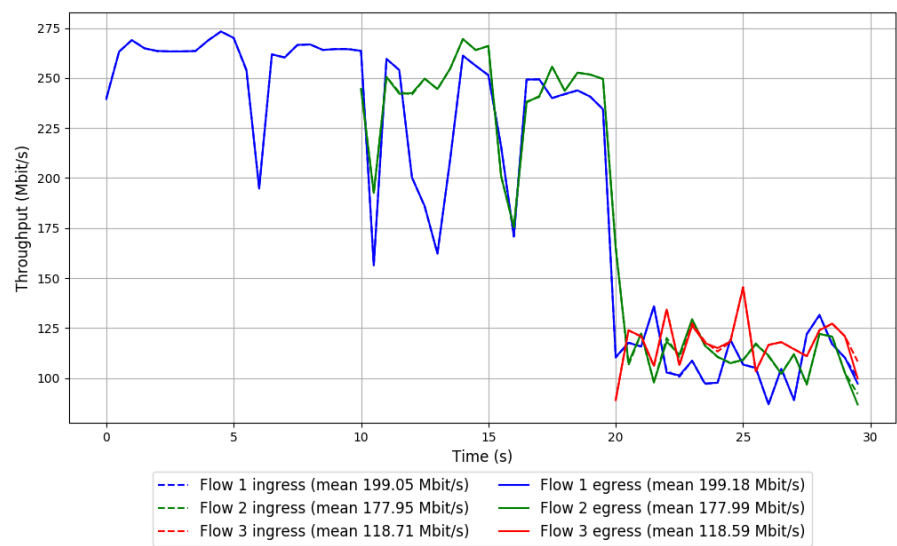
-- Flow 3:

Average throughput: 118.59 Mbit/s

95th percentile per-packet one-way delay: 1.705 ms

Loss rate: 0.37%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 20:04:45

End at: 2018-04-03 20:05:15

Local clock offset: -0.008 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2018-04-04 04:02:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.15 Mbit/s

95th percentile per-packet one-way delay: 1.651 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 2.018 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 167.93 Mbit/s

95th percentile per-packet one-way delay: 1.325 ms

Loss rate: 0.05%

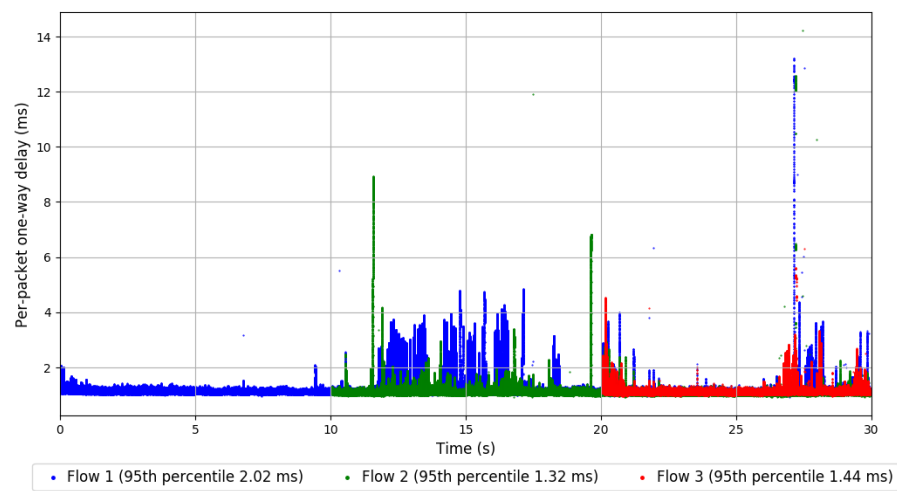
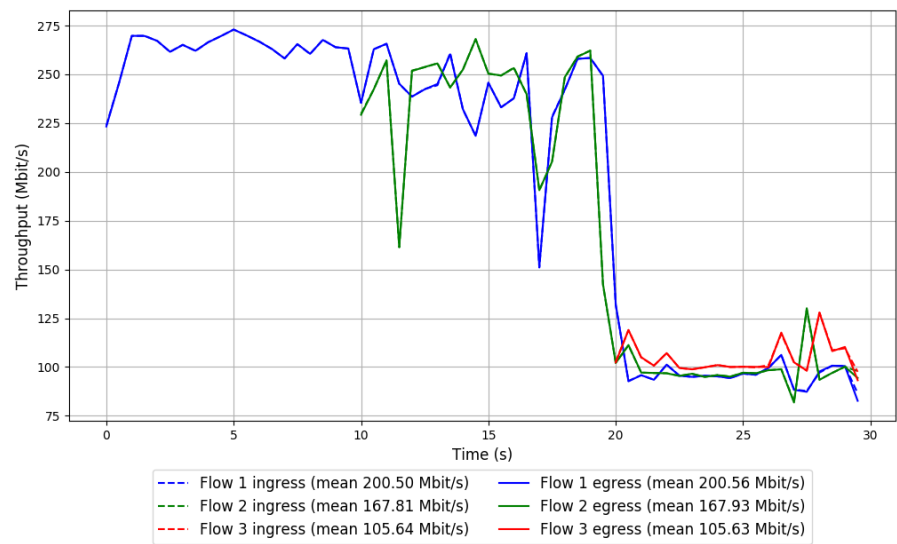
-- Flow 3:

Average throughput: 105.63 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.21%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 20:33:35

End at: 2018-04-03 20:34:05

Local clock offset: -0.146 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2018-04-04 04:03:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.53 Mbit/s

95th percentile per-packet one-way delay: 1.907 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 204.07 Mbit/s

95th percentile per-packet one-way delay: 1.761 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 168.96 Mbit/s

95th percentile per-packet one-way delay: 2.122 ms

Loss rate: 0.04%

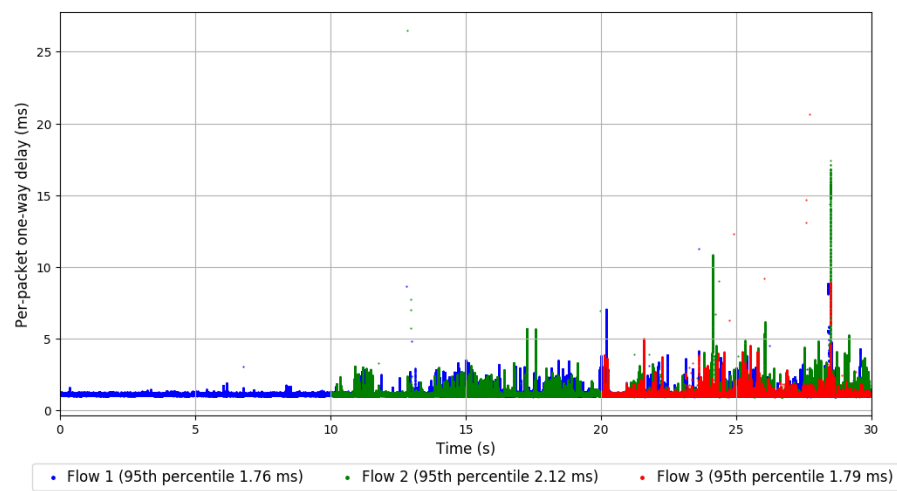
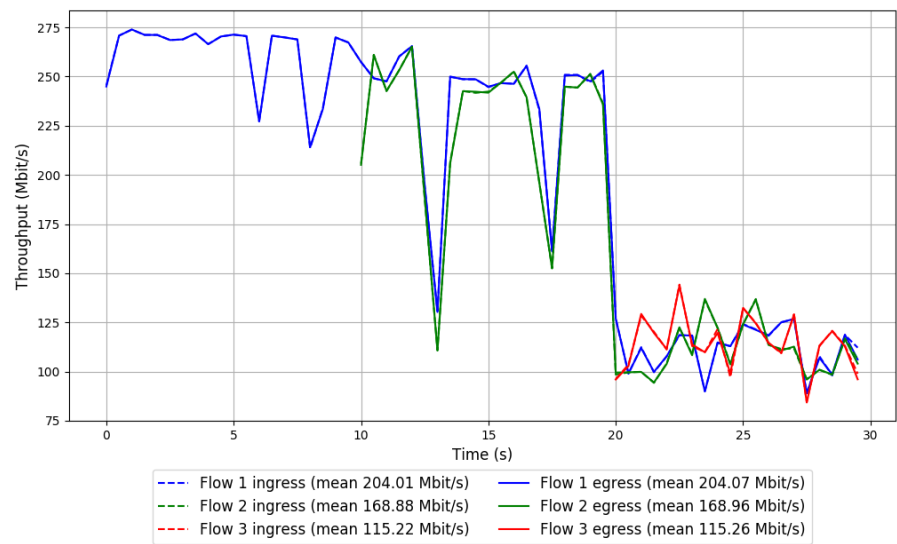
-- Flow 3:

Average throughput: 115.26 Mbit/s

95th percentile per-packet one-way delay: 1.789 ms

Loss rate: 0.15%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-03 21:02:10

End at: 2018-04-03 21:02:40

Local clock offset: 0.669 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-04-04 04:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 330.70 Mbit/s

95th percentile per-packet one-way delay: 2.045 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 192.57 Mbit/s

95th percentile per-packet one-way delay: 1.558 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 153.90 Mbit/s

95th percentile per-packet one-way delay: 2.674 ms

Loss rate: 0.02%

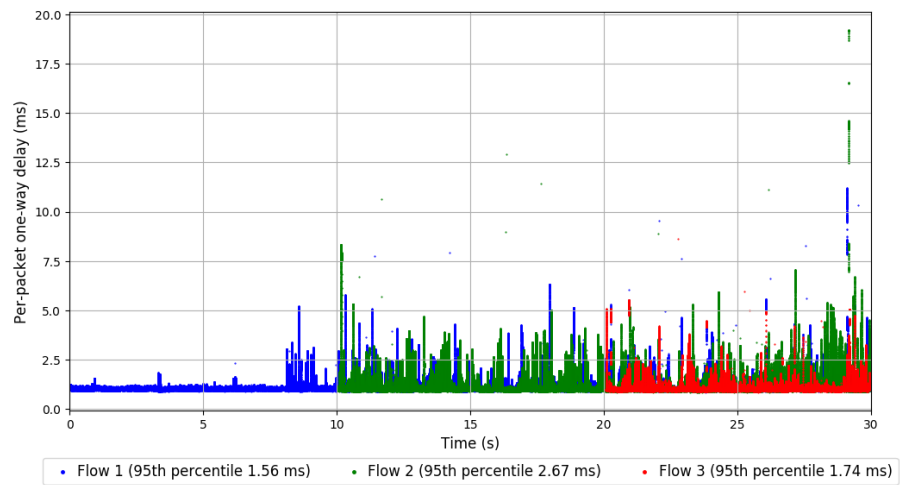
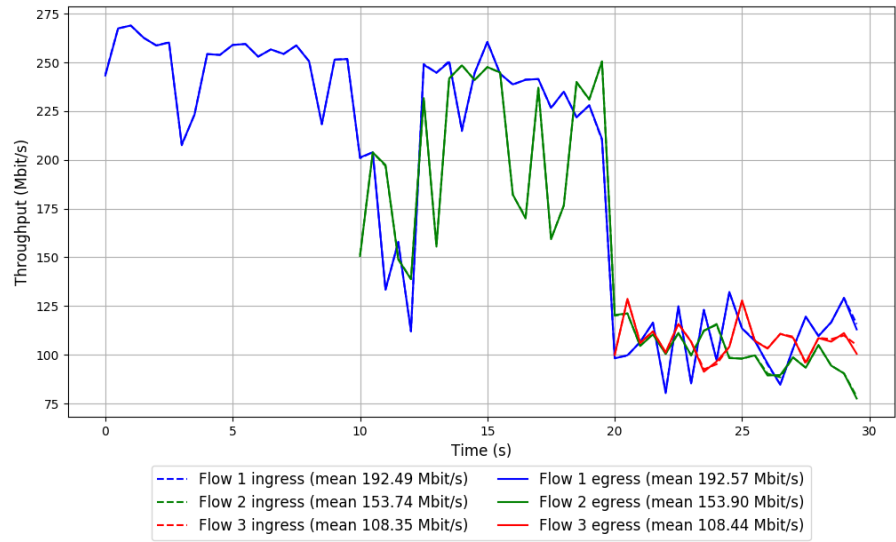
-- Flow 3:

Average throughput: 108.44 Mbit/s

95th percentile per-packet one-way delay: 1.741 ms

Loss rate: 0.21%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-03 21:30:48

End at: 2018-04-03 21:31:18

Local clock offset: 0.979 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-04-04 04:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.94 Mbit/s

95th percentile per-packet one-way delay: 2.041 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 197.25 Mbit/s

95th percentile per-packet one-way delay: 2.030 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 175.09 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.05%

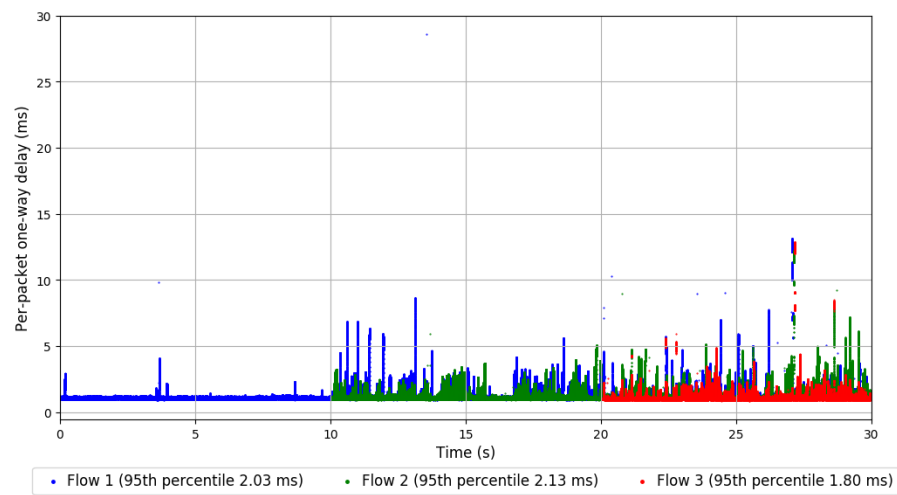
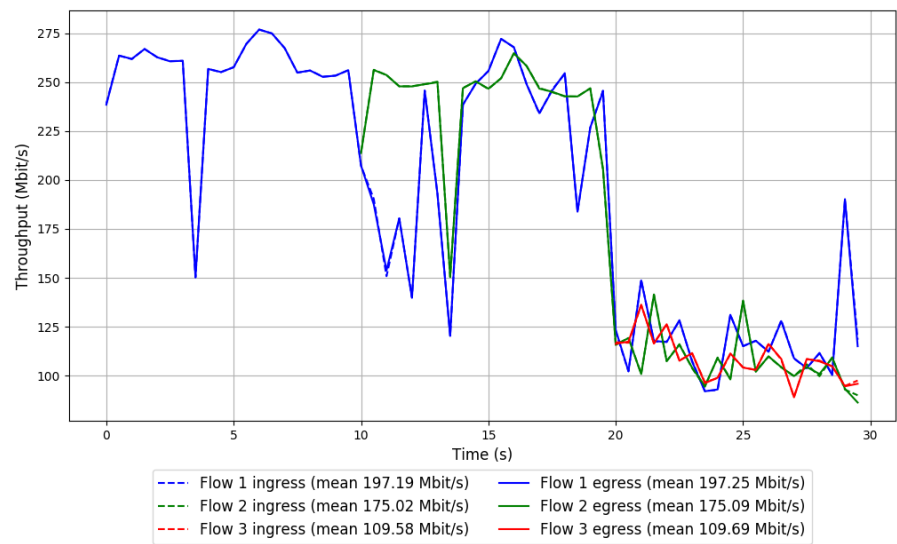
-- Flow 3:

Average throughput: 109.69 Mbit/s

95th percentile per-packet one-way delay: 1.796 ms

Loss rate: 0.10%

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

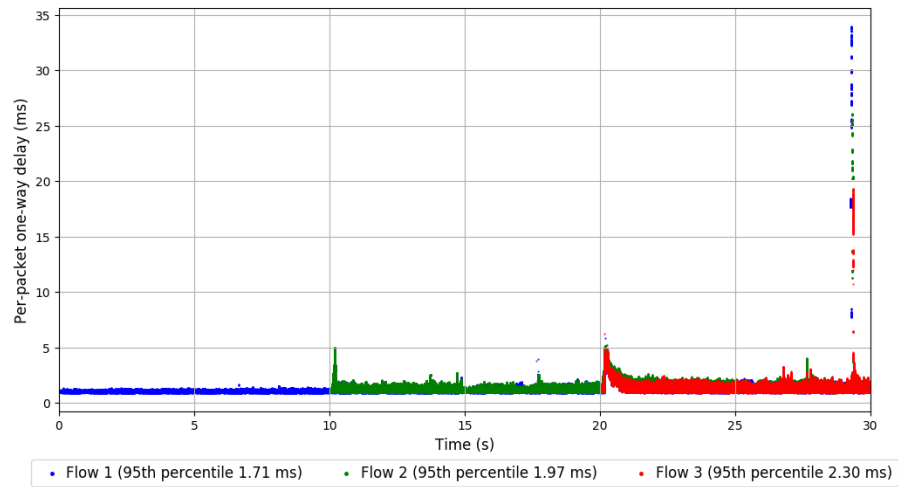
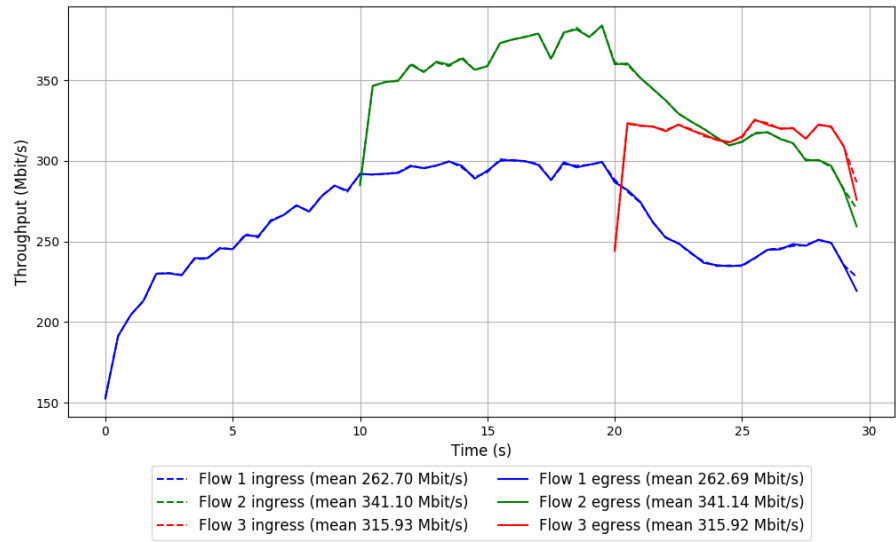


Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 17:07:08
End at: 2018-04-03 17:07:38
Local clock offset: 0.256 ms
Remote clock offset: -4.387 ms

Below is generated by plot.py at 2018-04-04 04:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.32 Mbit/s
95th percentile per-packet one-way delay: 1.919 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 262.69 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 341.14 Mbit/s
95th percentile per-packet one-way delay: 1.967 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.92 Mbit/s
95th percentile per-packet one-way delay: 2.296 ms
Loss rate: 0.19%

Run 1: Report of TCP Vegas — Data Link

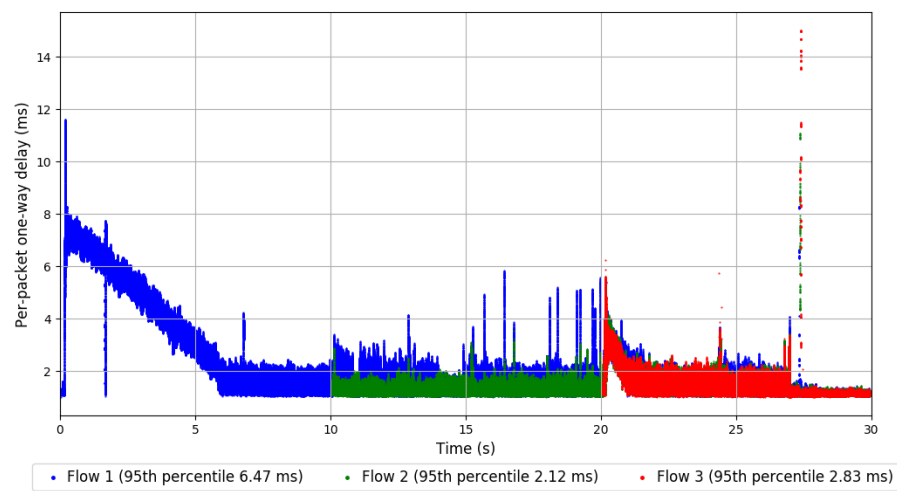
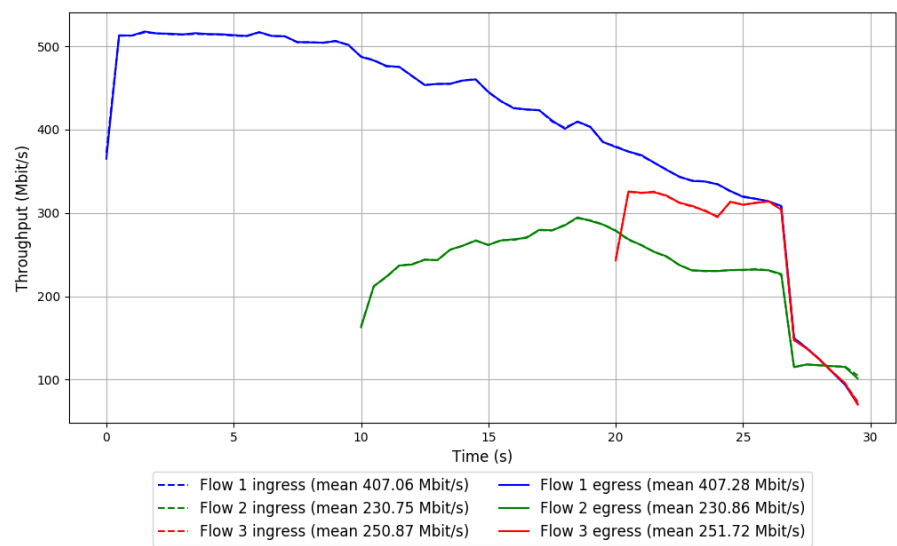


Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 17:36:01
End at: 2018-04-03 17:36:31
Local clock offset: 0.411 ms
Remote clock offset: -4.574 ms

Below is generated by plot.py at 2018-04-04 04:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.34 Mbit/s
95th percentile per-packet one-way delay: 5.785 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 407.28 Mbit/s
95th percentile per-packet one-way delay: 6.472 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 230.86 Mbit/s
95th percentile per-packet one-way delay: 2.124 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 251.72 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

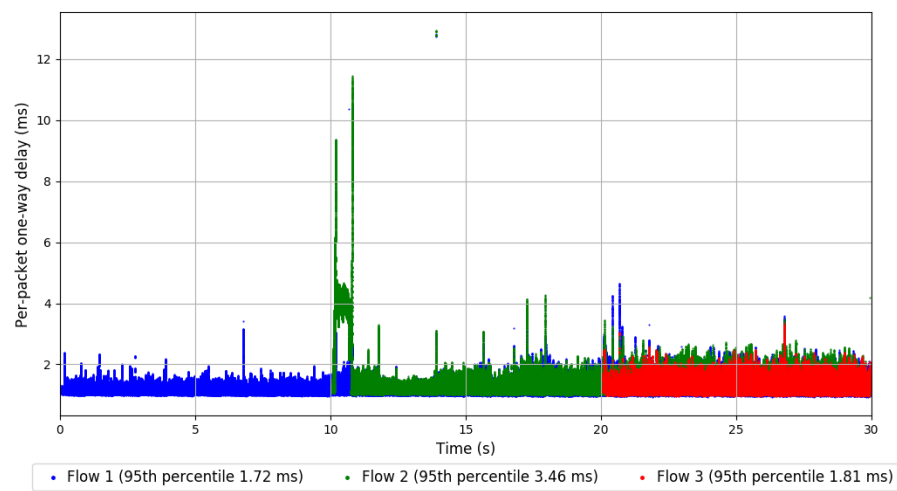
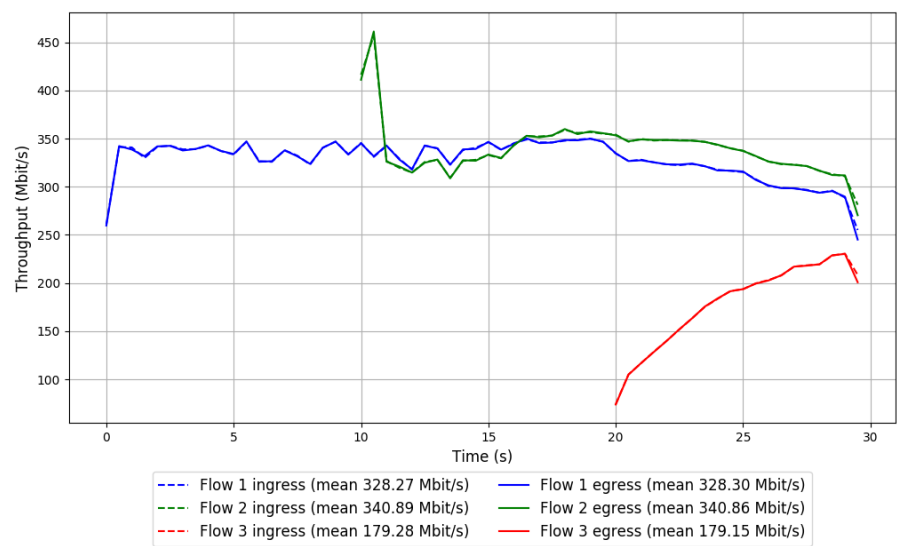


Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 18:05:04
End at: 2018-04-03 18:05:34
Local clock offset: 0.294 ms
Remote clock offset: -5.388 ms

Below is generated by plot.py at 2018-04-04 04:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.45 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 328.30 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 340.86 Mbit/s
95th percentile per-packet one-way delay: 3.459 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 179.15 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.24%

Run 3: Report of TCP Vegas — Data Link

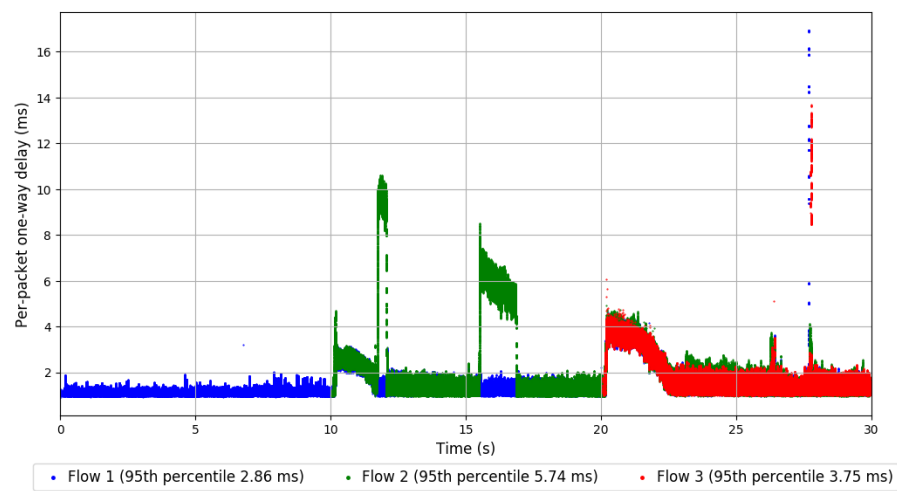
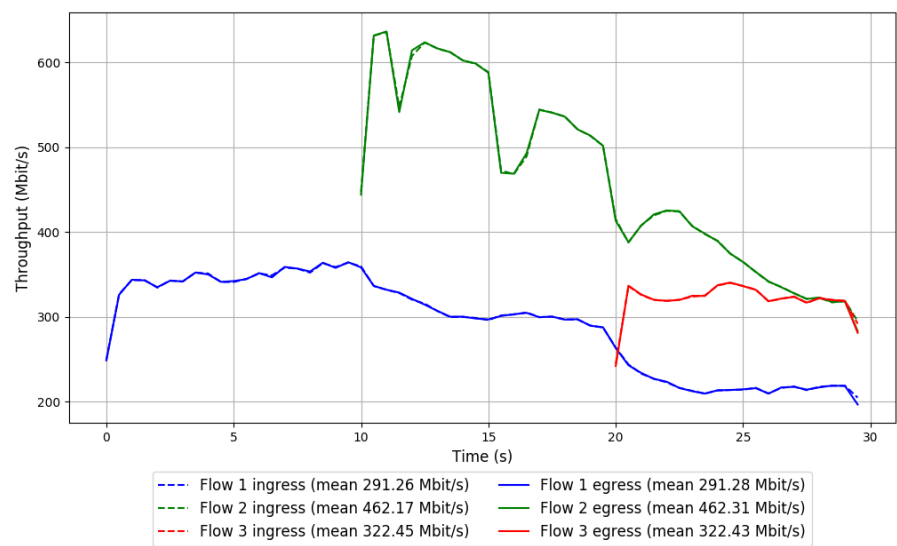


Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 18:33:58
End at: 2018-04-03 18:34:28
Local clock offset: 0.018 ms
Remote clock offset: -6.418 ms

Below is generated by plot.py at 2018-04-04 04:12:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 705.67 Mbit/s
95th percentile per-packet one-way delay: 3.918 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 291.28 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 462.31 Mbit/s
95th percentile per-packet one-way delay: 5.741 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 322.43 Mbit/s
95th percentile per-packet one-way delay: 3.747 ms
Loss rate: 0.19%

Run 4: Report of TCP Vegas — Data Link

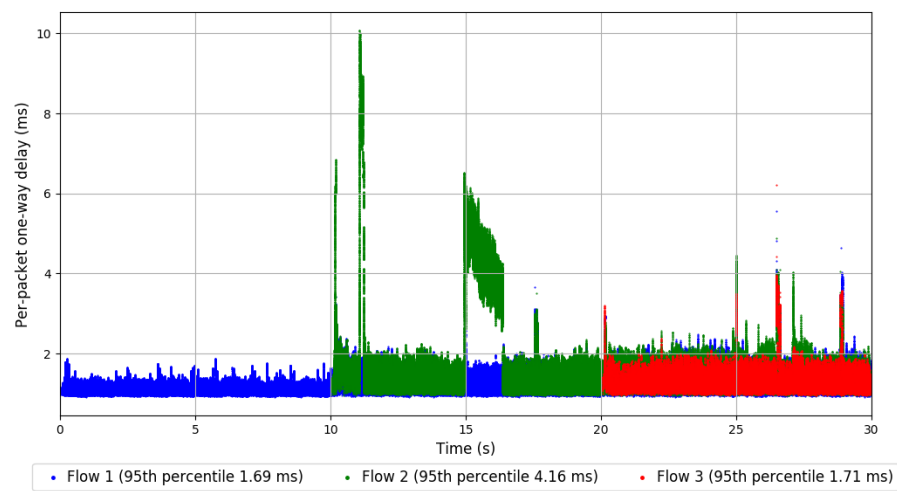
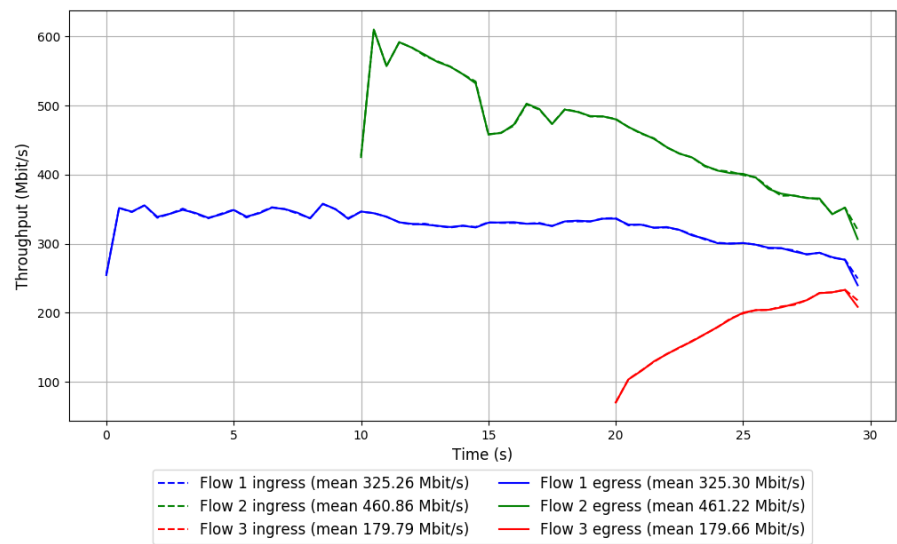


Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 19:02:56
End at: 2018-04-03 19:03:26
Local clock offset: 0.455 ms
Remote clock offset: -5.956 ms

Below is generated by plot.py at 2018-04-04 04:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.71 Mbit/s
95th percentile per-packet one-way delay: 1.967 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 325.30 Mbit/s
95th percentile per-packet one-way delay: 1.685 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 461.22 Mbit/s
95th percentile per-packet one-way delay: 4.160 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 179.66 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 19:31:45

End at: 2018-04-03 19:32:15

Local clock offset: 0.39 ms

Remote clock offset: 1.771 ms

Below is generated by plot.py at 2018-04-04 04:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 570.77 Mbit/s

95th percentile per-packet one-way delay: 1.451 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 288.88 Mbit/s

95th percentile per-packet one-way delay: 1.421 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 317.98 Mbit/s

95th percentile per-packet one-way delay: 1.505 ms

Loss rate: 0.09%

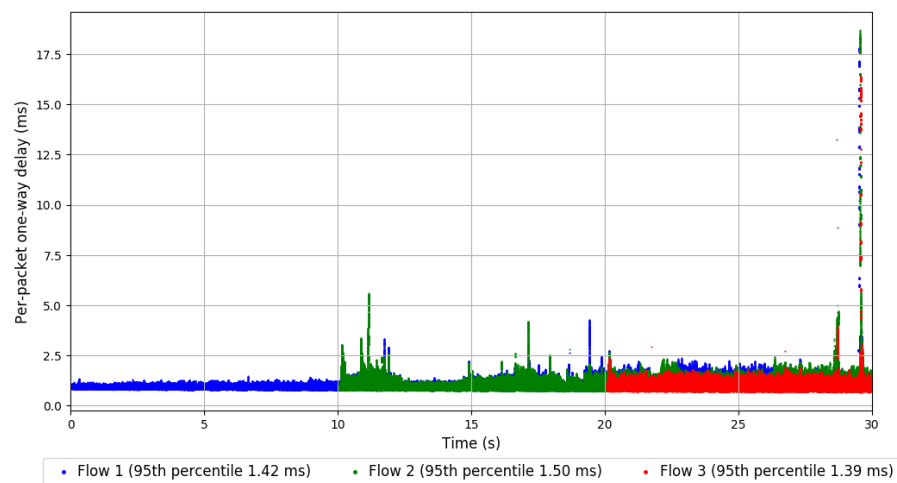
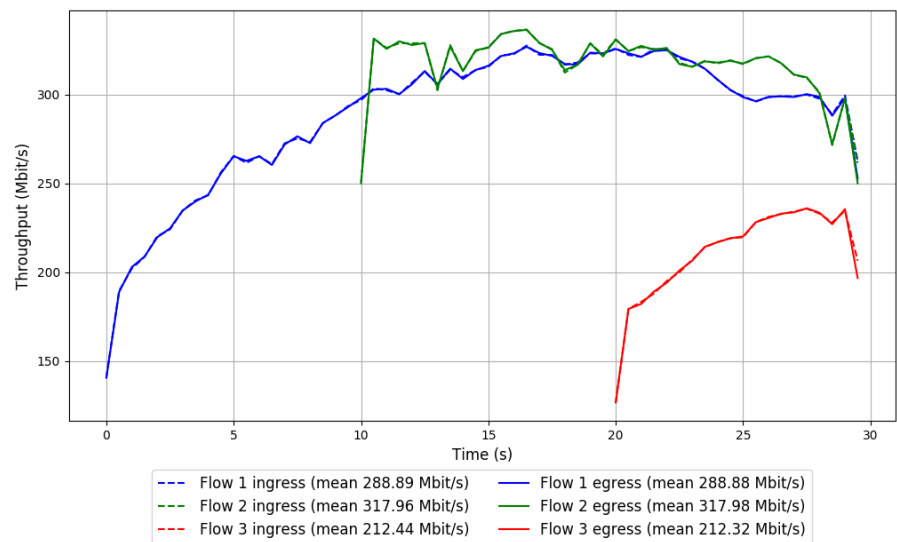
-- Flow 3:

Average throughput: 212.32 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.23%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 20:00:27

End at: 2018-04-03 20:00:57

Local clock offset: 0.073 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2018-04-04 04:17:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.82 Mbit/s

95th percentile per-packet one-way delay: 1.570 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 236.65 Mbit/s

95th percentile per-packet one-way delay: 1.583 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 236.47 Mbit/s

95th percentile per-packet one-way delay: 1.546 ms

Loss rate: 0.11%

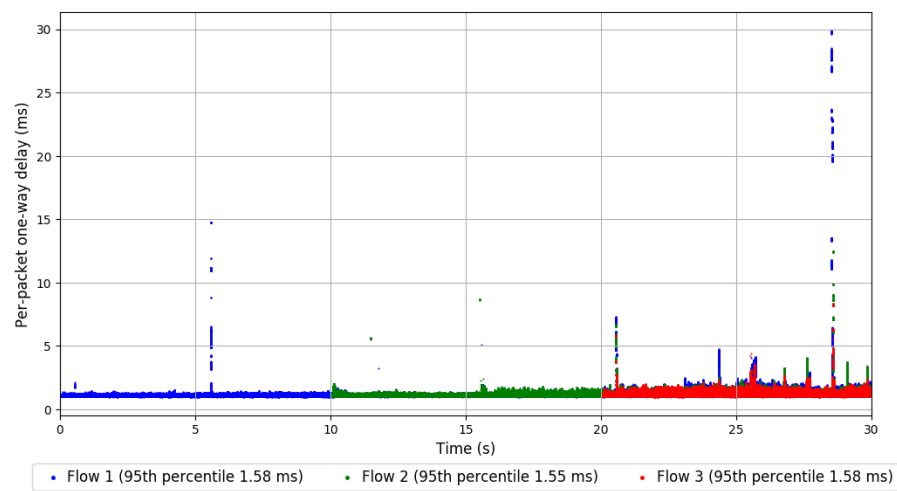
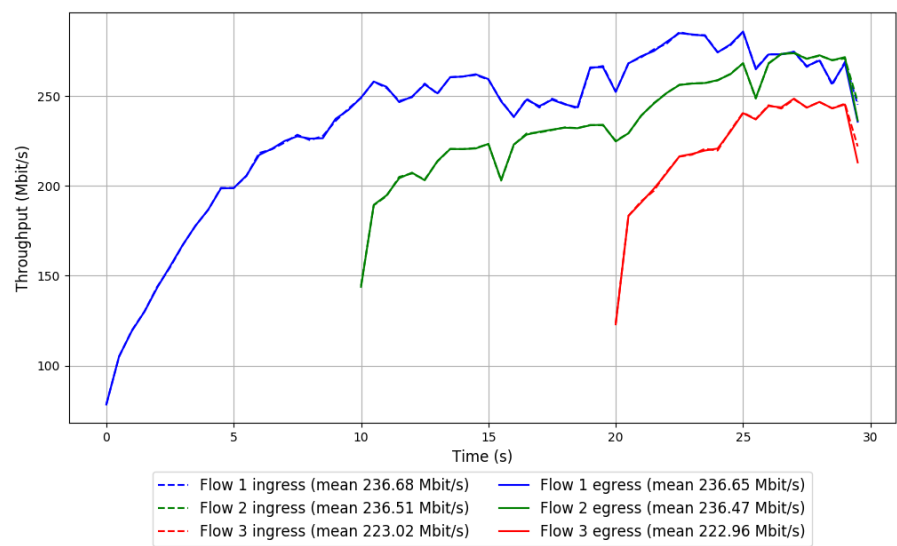
-- Flow 3:

Average throughput: 222.96 Mbit/s

95th percentile per-packet one-way delay: 1.582 ms

Loss rate: 0.22%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 20:29:08

End at: 2018-04-03 20:29:38

Local clock offset: -0.216 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-04-04 04:20:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 681.14 Mbit/s

95th percentile per-packet one-way delay: 2.808 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 366.23 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 355.46 Mbit/s

95th percentile per-packet one-way delay: 2.927 ms

Loss rate: 0.07%

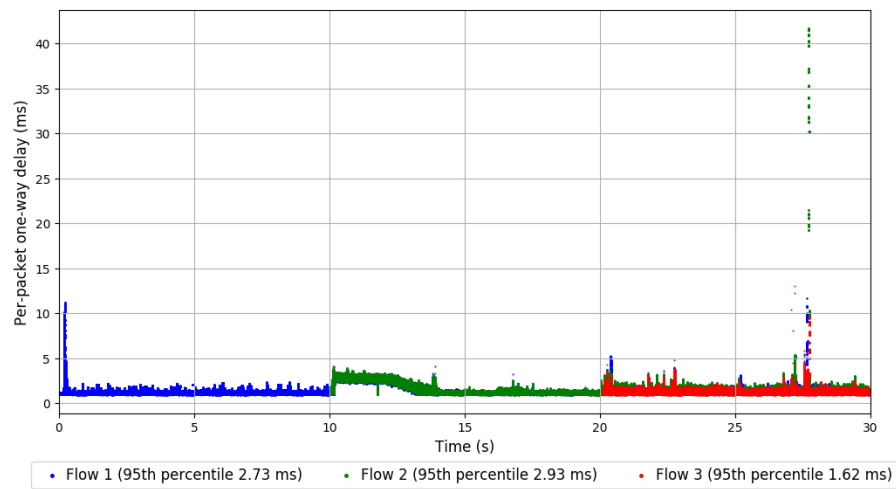
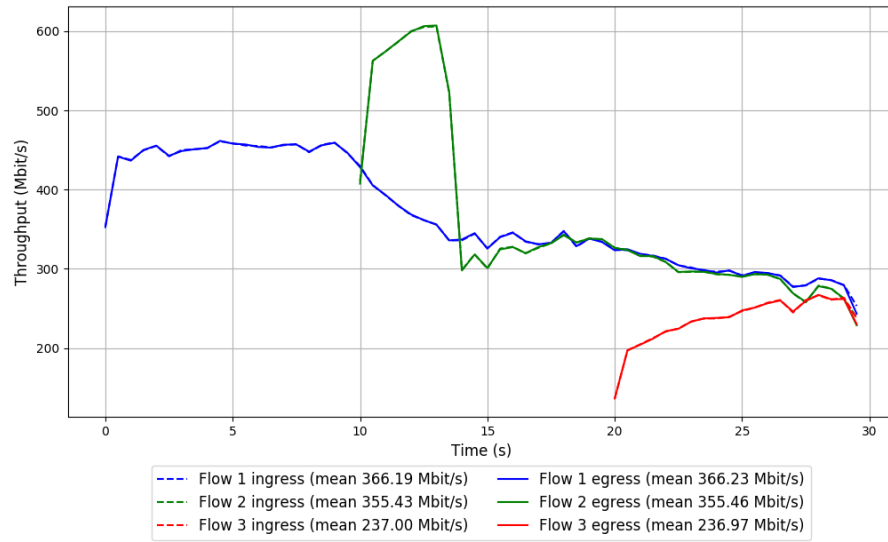
-- Flow 3:

Average throughput: 236.97 Mbit/s

95th percentile per-packet one-way delay: 1.625 ms

Loss rate: 0.20%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 20:57:47

End at: 2018-04-03 20:58:17

Local clock offset: 0.614 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-04-04 04:20:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 585.06 Mbit/s

95th percentile per-packet one-way delay: 1.611 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 296.27 Mbit/s

95th percentile per-packet one-way delay: 1.617 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 341.96 Mbit/s

95th percentile per-packet one-way delay: 1.619 ms

Loss rate: 0.08%

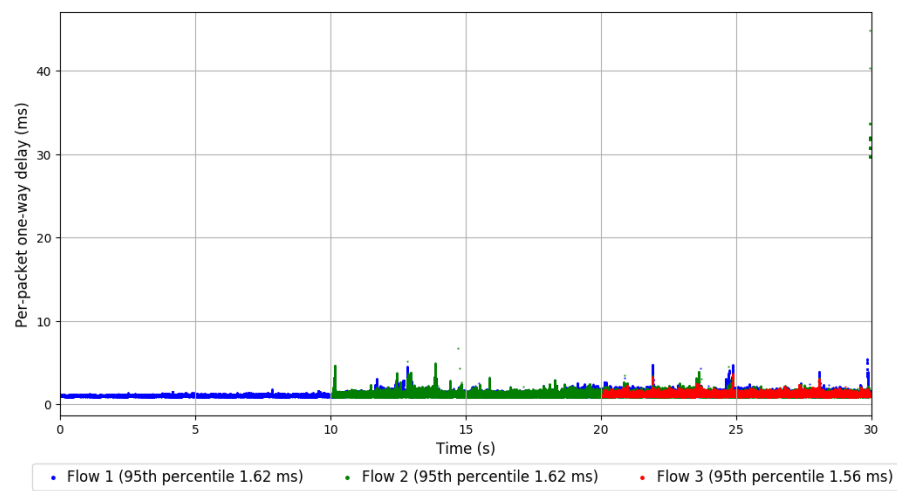
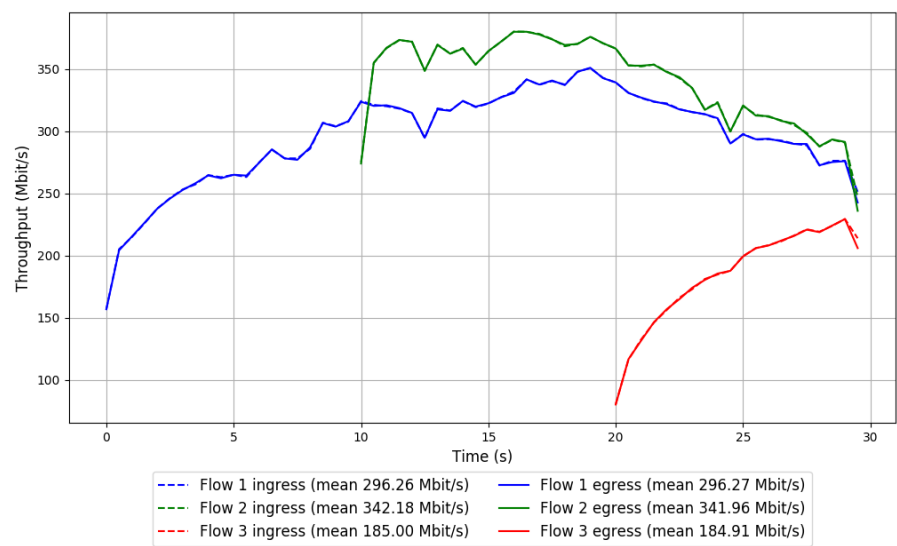
-- Flow 3:

Average throughput: 184.91 Mbit/s

95th percentile per-packet one-way delay: 1.561 ms

Loss rate: 0.24%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 21:26:21

End at: 2018-04-03 21:26:51

Local clock offset: 0.92 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2018-04-04 04:21:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 686.85 Mbit/s

95th percentile per-packet one-way delay: 3.136 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 356.55 Mbit/s

95th percentile per-packet one-way delay: 2.507 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 337.25 Mbit/s

95th percentile per-packet one-way delay: 3.246 ms

Loss rate: 0.08%

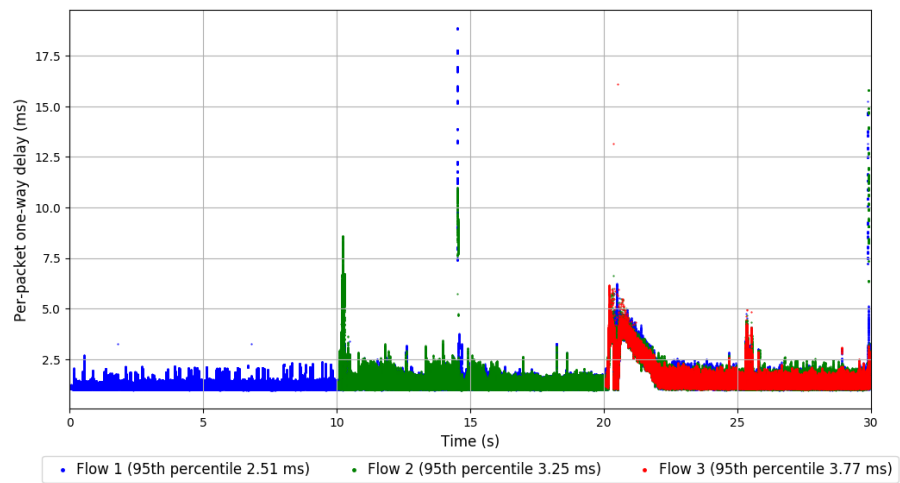
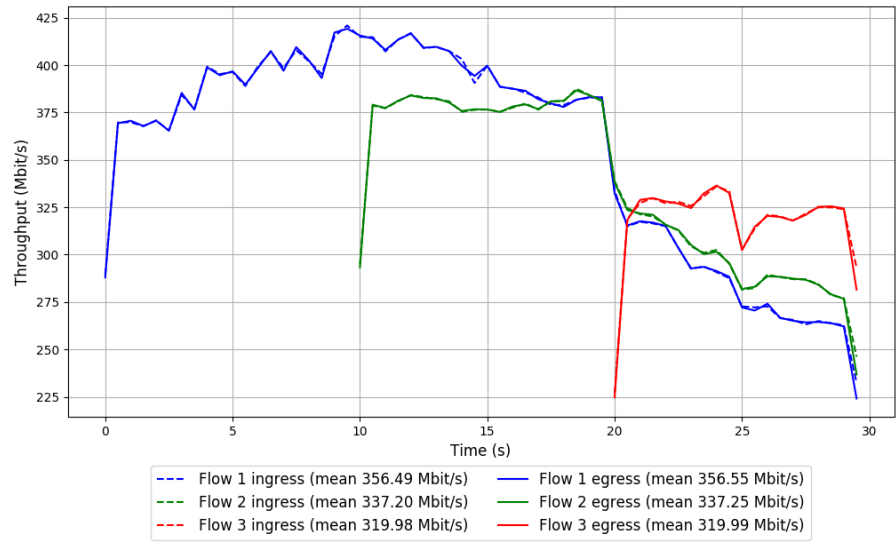
-- Flow 3:

Average throughput: 319.99 Mbit/s

95th percentile per-packet one-way delay: 3.769 ms

Loss rate: 0.19%

Run 10: Report of TCP Vegas — Data Link

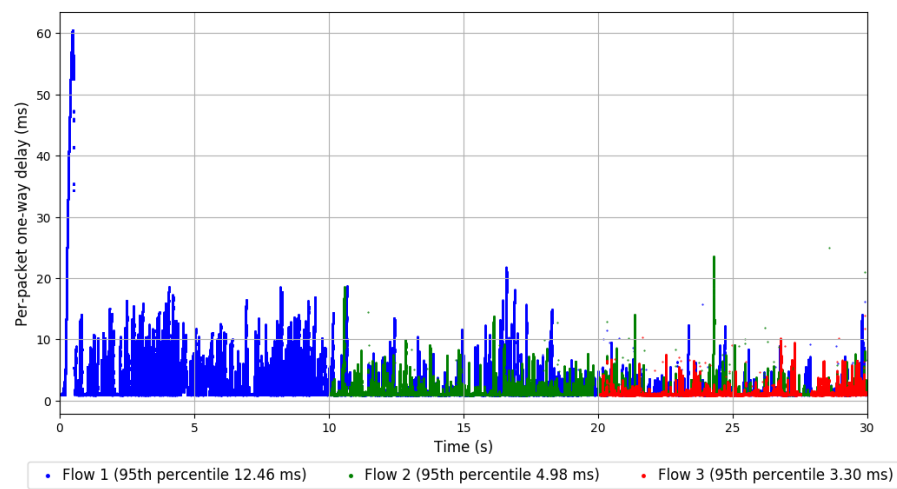
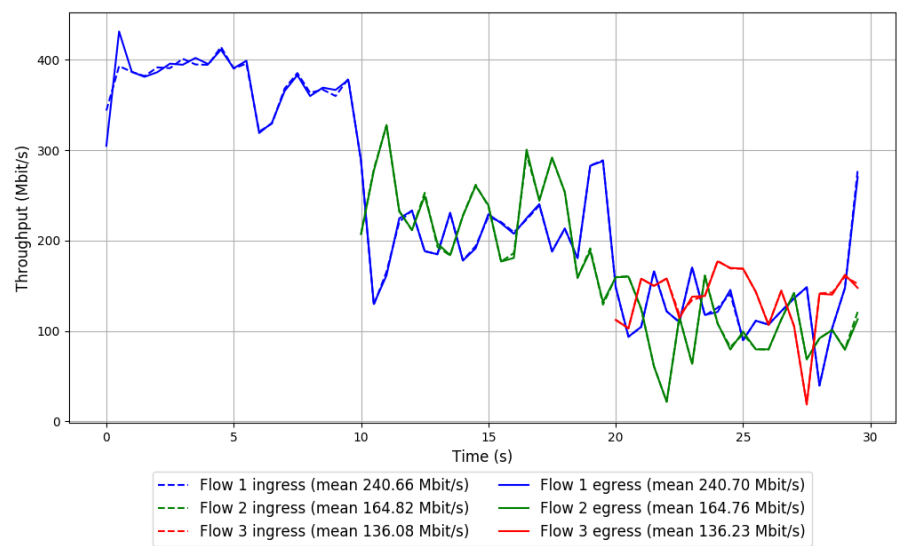


Run 1: Statistics of Verus

Start at: 2018-04-03 17:05:29
End at: 2018-04-03 17:05:59
Local clock offset: 0.333 ms
Remote clock offset: -4.317 ms

Below is generated by plot.py at 2018-04-04 04:21:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.39 Mbit/s
95th percentile per-packet one-way delay: 10.590 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 240.70 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 4.982 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 136.23 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.18%

Run 1: Report of Verus — Data Link

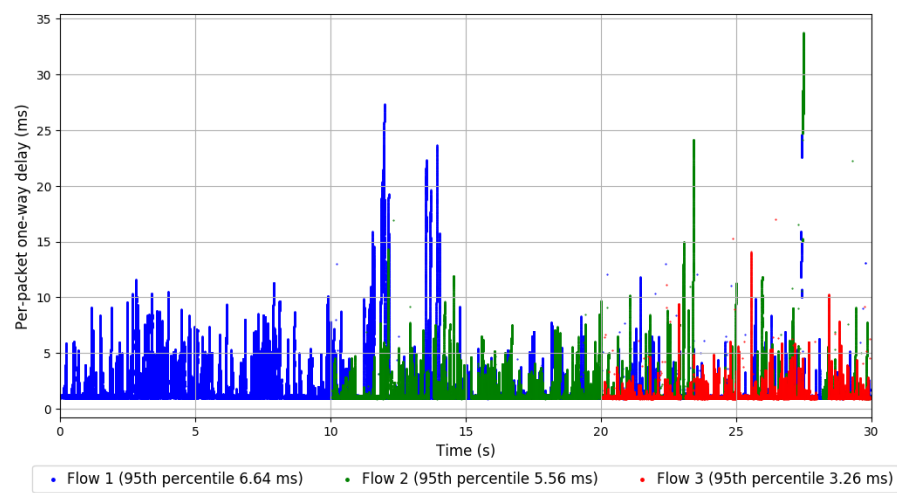
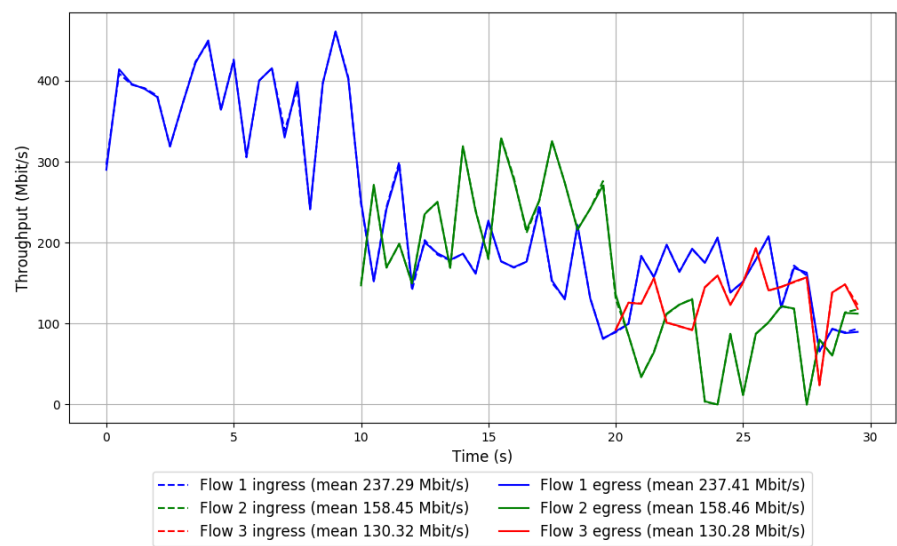


Run 2: Statistics of Verus

Start at: 2018-04-03 17:34:23
End at: 2018-04-03 17:34:53
Local clock offset: 0.371 ms
Remote clock offset: -4.475 ms

Below is generated by plot.py at 2018-04-04 04:21:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.96 Mbit/s
95th percentile per-packet one-way delay: 6.068 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 237.41 Mbit/s
95th percentile per-packet one-way delay: 6.641 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 158.46 Mbit/s
95th percentile per-packet one-way delay: 5.558 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 130.28 Mbit/s
95th percentile per-packet one-way delay: 3.261 ms
Loss rate: 0.19%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-03 18:03:26

End at: 2018-04-03 18:03:56

Local clock offset: 0.305 ms

Remote clock offset: -5.18 ms

Below is generated by plot.py at 2018-04-04 04:21:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.49 Mbit/s

95th percentile per-packet one-way delay: 8.442 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 231.96 Mbit/s

95th percentile per-packet one-way delay: 9.445 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 178.13 Mbit/s

95th percentile per-packet one-way delay: 7.048 ms

Loss rate: 0.16%

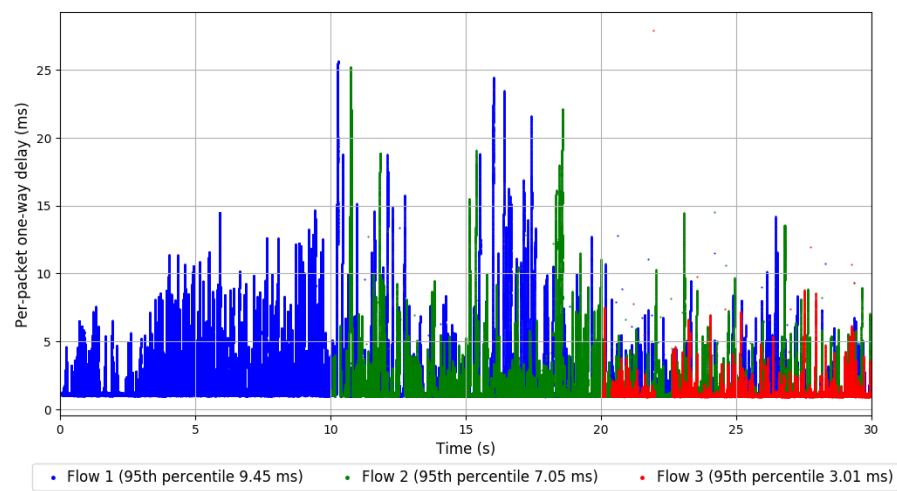
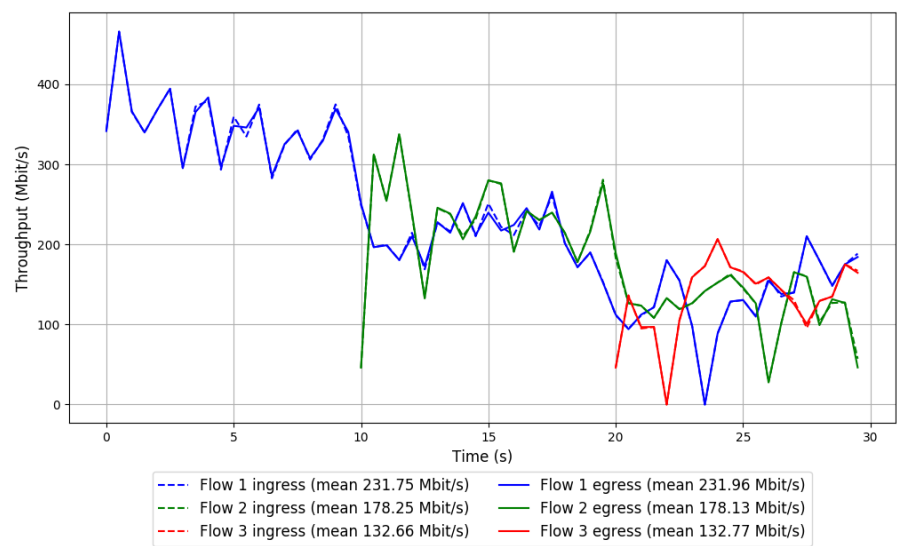
-- Flow 3:

Average throughput: 132.77 Mbit/s

95th percentile per-packet one-way delay: 3.007 ms

Loss rate: 0.10%

Run 3: Report of Verus — Data Link

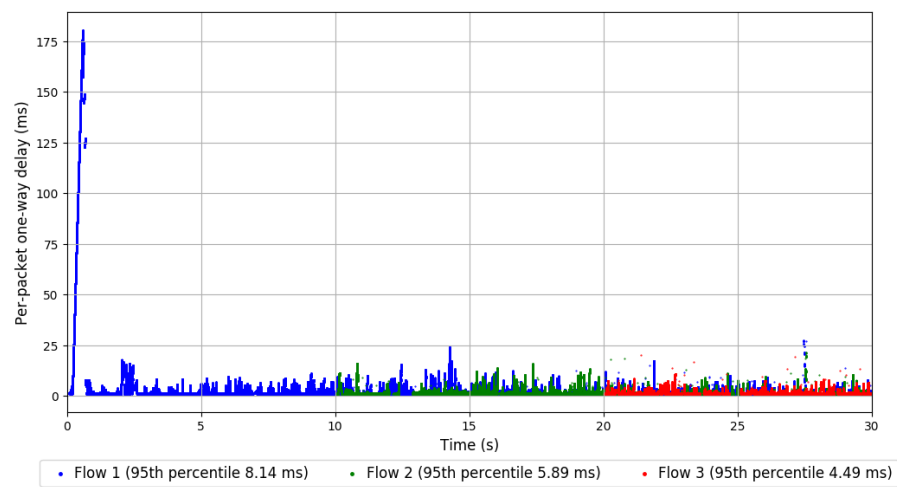
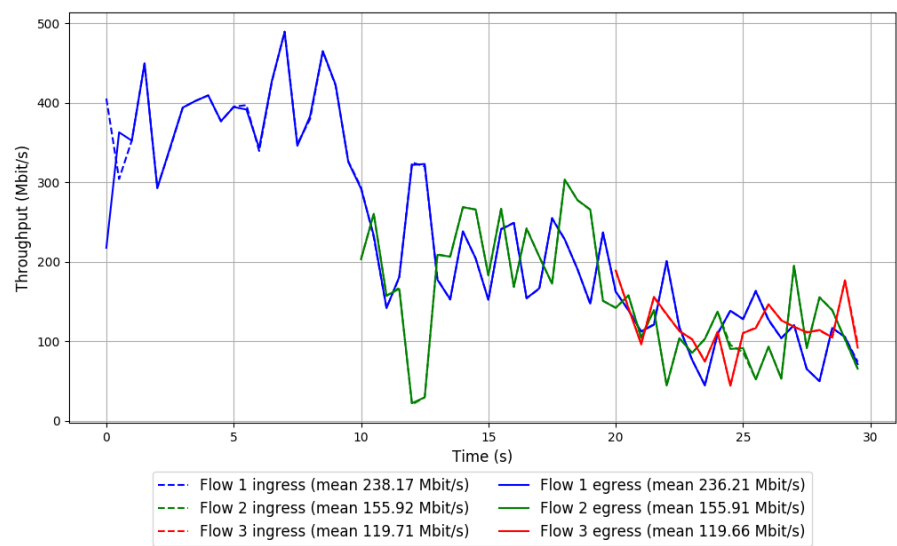


Run 4: Statistics of Verus

Start at: 2018-04-03 18:32:20
End at: 2018-04-03 18:32:50
Local clock offset: 0.06 ms
Remote clock offset: -6.584 ms

Below is generated by plot.py at 2018-04-04 04:21:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.79 Mbit/s
95th percentile per-packet one-way delay: 7.030 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 236.21 Mbit/s
95th percentile per-packet one-way delay: 8.143 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 155.91 Mbit/s
95th percentile per-packet one-way delay: 5.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.66 Mbit/s
95th percentile per-packet one-way delay: 4.493 ms
Loss rate: 0.24%

Run 4: Report of Verus — Data Link

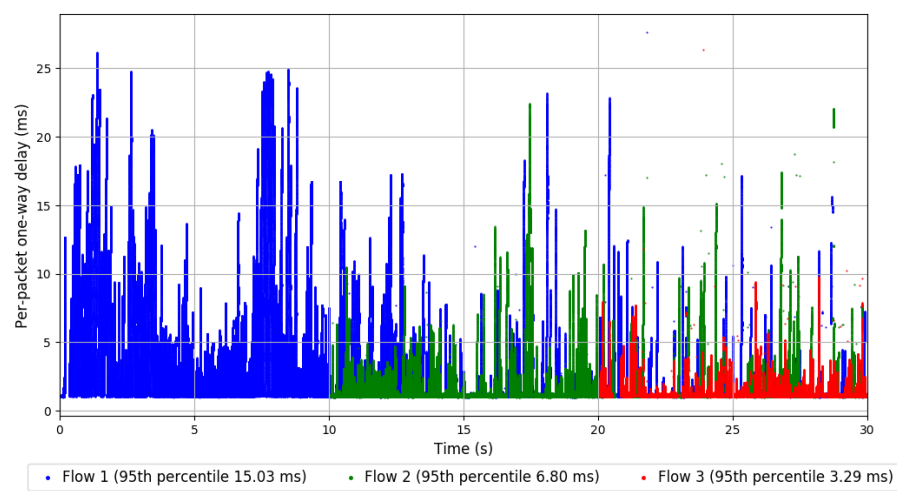
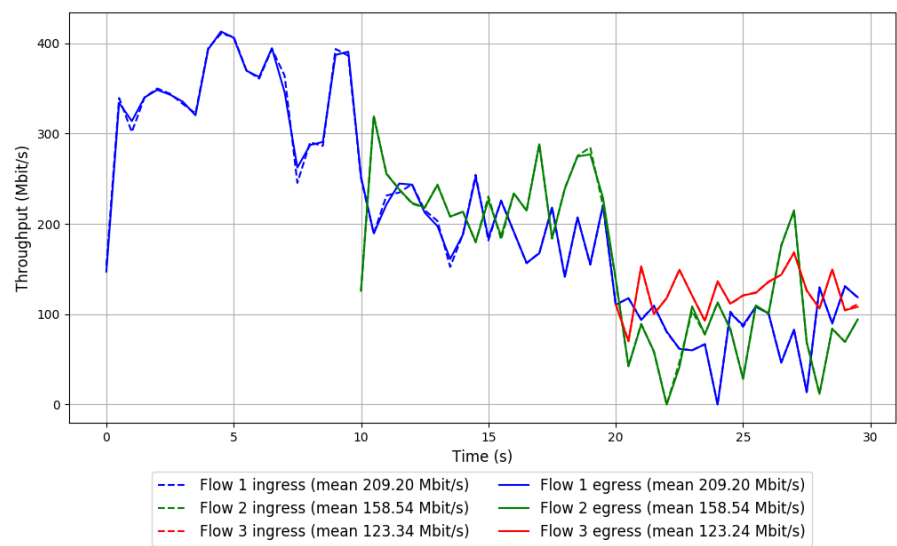


Run 5: Statistics of Verus

Start at: 2018-04-03 19:01:20
End at: 2018-04-03 19:01:50
Local clock offset: 0.421 ms
Remote clock offset: -6.012 ms

Below is generated by plot.py at 2018-04-04 04:22:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.83 Mbit/s
95th percentile per-packet one-way delay: 12.151 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.20 Mbit/s
95th percentile per-packet one-way delay: 15.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.54 Mbit/s
95th percentile per-packet one-way delay: 6.796 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.24 Mbit/s
95th percentile per-packet one-way delay: 3.288 ms
Loss rate: 0.12%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-03 19:30:10

End at: 2018-04-03 19:30:40

Local clock offset: 0.415 ms

Remote clock offset: 2.184 ms

Below is generated by plot.py at 2018-04-04 04:22:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.73 Mbit/s

95th percentile per-packet one-way delay: 17.109 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 181.86 Mbit/s

95th percentile per-packet one-way delay: 23.632 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 154.84 Mbit/s

95th percentile per-packet one-way delay: 3.846 ms

Loss rate: 0.14%

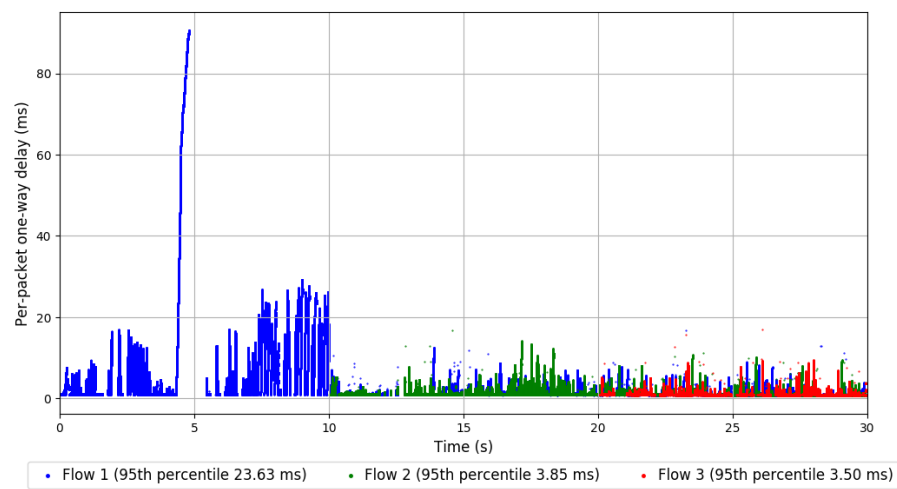
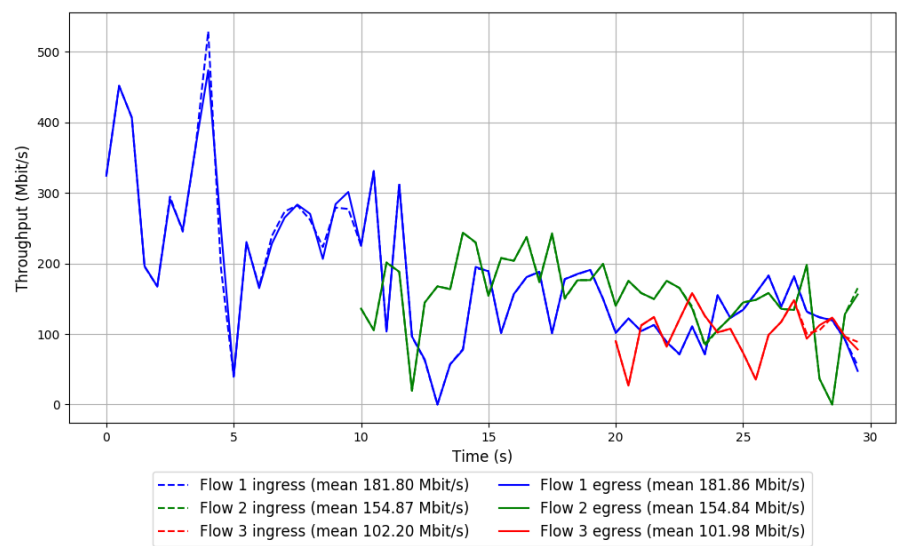
-- Flow 3:

Average throughput: 101.98 Mbit/s

95th percentile per-packet one-way delay: 3.495 ms

Loss rate: 0.53%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-03 19:58:49

End at: 2018-04-03 19:59:19

Local clock offset: 0.001 ms

Remote clock offset: 0.456 ms

Below is generated by plot.py at 2018-04-04 04:23:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.01 Mbit/s

95th percentile per-packet one-way delay: 11.097 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 219.64 Mbit/s

95th percentile per-packet one-way delay: 11.819 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.99 Mbit/s

95th percentile per-packet one-way delay: 8.334 ms

Loss rate: 0.13%

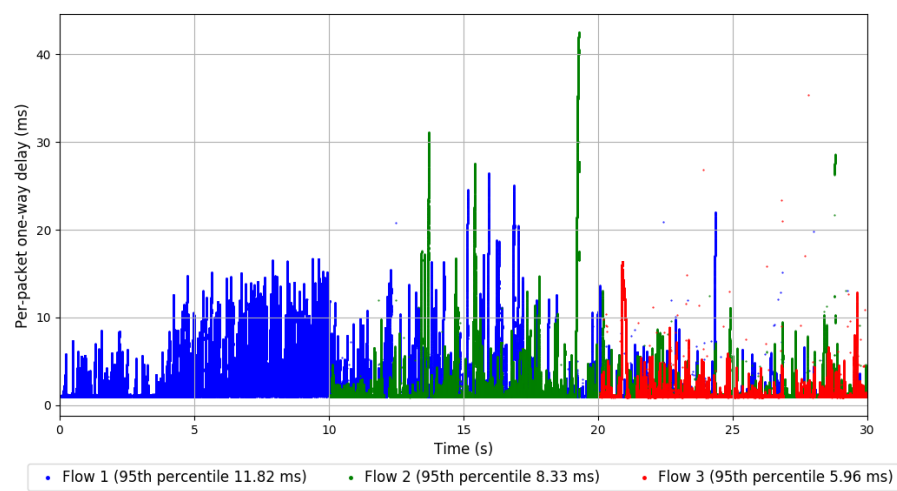
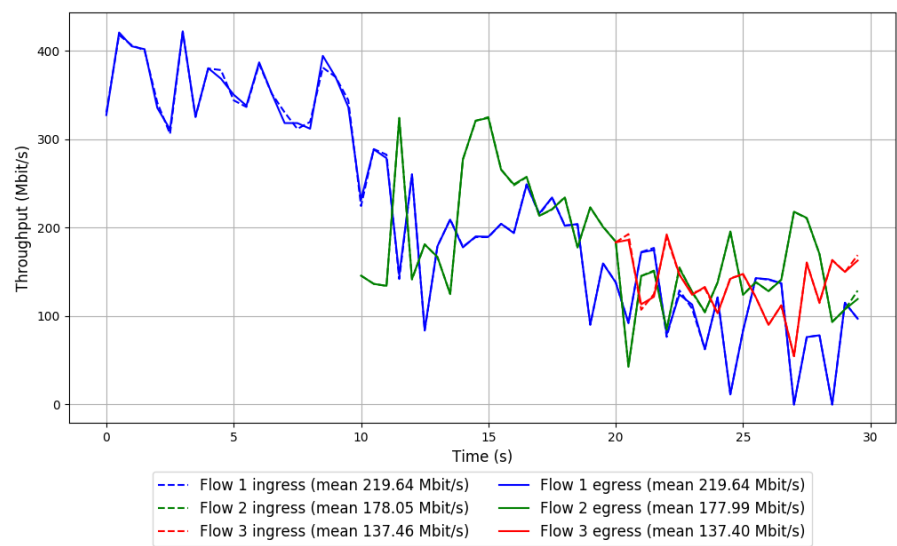
-- Flow 3:

Average throughput: 137.40 Mbit/s

95th percentile per-packet one-way delay: 5.955 ms

Loss rate: 0.24%

Run 7: Report of Verus — Data Link

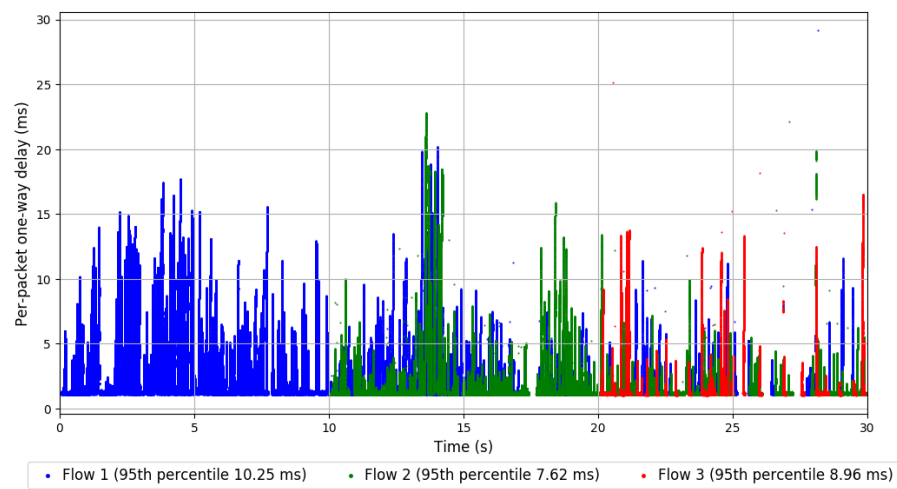
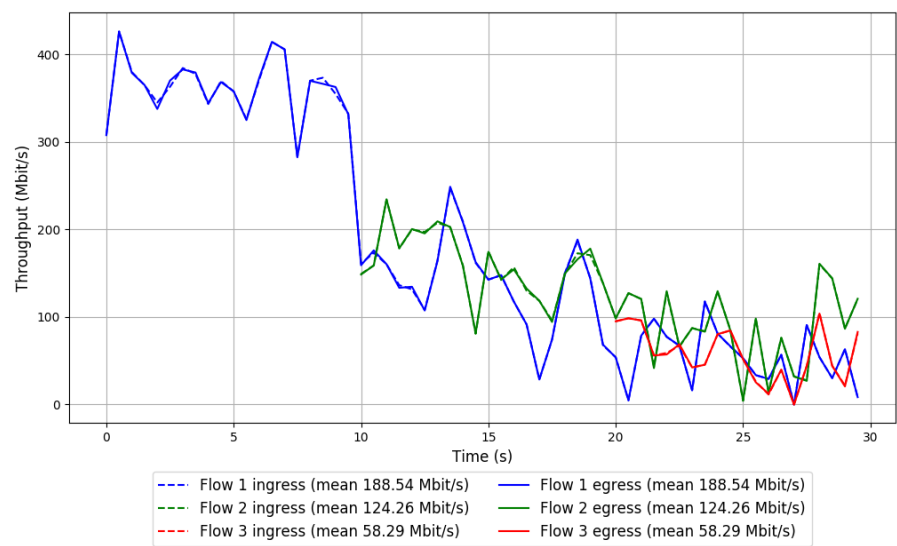


Run 8: Statistics of Verus

Start at: 2018-04-03 20:27:35
End at: 2018-04-03 20:28:05
Local clock offset: -0.108 ms
Remote clock offset: 0.516 ms

Below is generated by plot.py at 2018-04-04 04:23:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.93 Mbit/s
95th percentile per-packet one-way delay: 9.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.54 Mbit/s
95th percentile per-packet one-way delay: 10.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.26 Mbit/s
95th percentile per-packet one-way delay: 7.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 8.957 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-03 20:56:12

End at: 2018-04-03 20:56:42

Local clock offset: 0.562 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-04-04 04:23:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.41 Mbit/s

95th percentile per-packet one-way delay: 12.384 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 225.04 Mbit/s

95th percentile per-packet one-way delay: 15.124 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 131.05 Mbit/s

95th percentile per-packet one-way delay: 9.111 ms

Loss rate: 0.08%

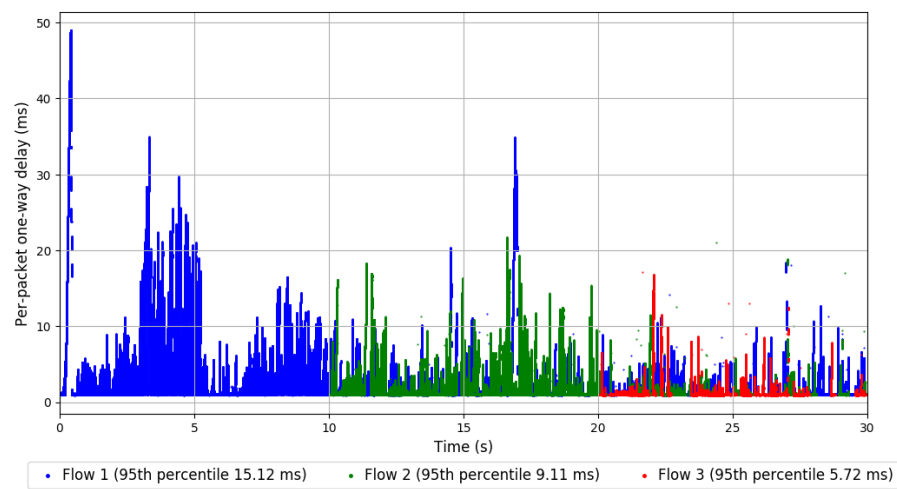
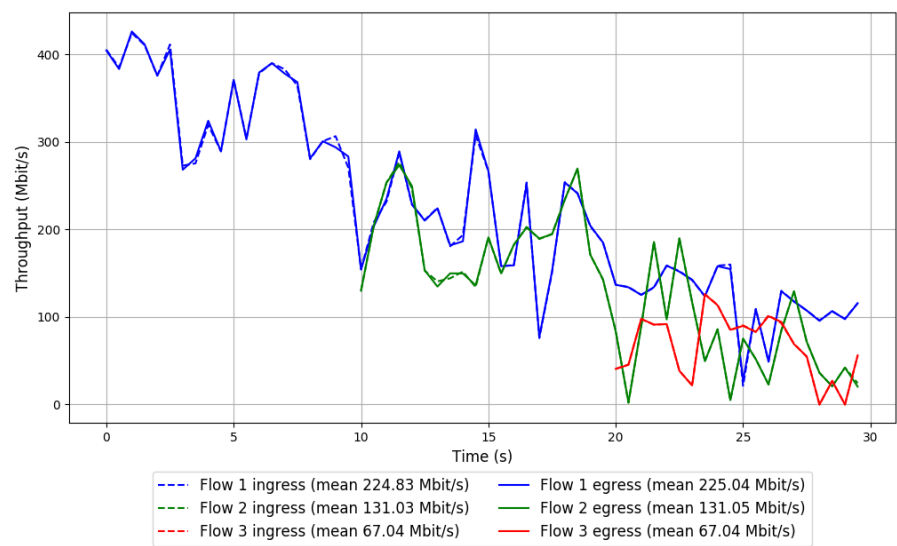
-- Flow 3:

Average throughput: 67.04 Mbit/s

95th percentile per-packet one-way delay: 5.718 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-03 21:24:43

End at: 2018-04-03 21:25:13

Local clock offset: 0.895 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-04-04 04:25:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.03 Mbit/s

95th percentile per-packet one-way delay: 19.069 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 236.73 Mbit/s

95th percentile per-packet one-way delay: 19.696 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 143.42 Mbit/s

95th percentile per-packet one-way delay: 16.021 ms

Loss rate: 0.18%

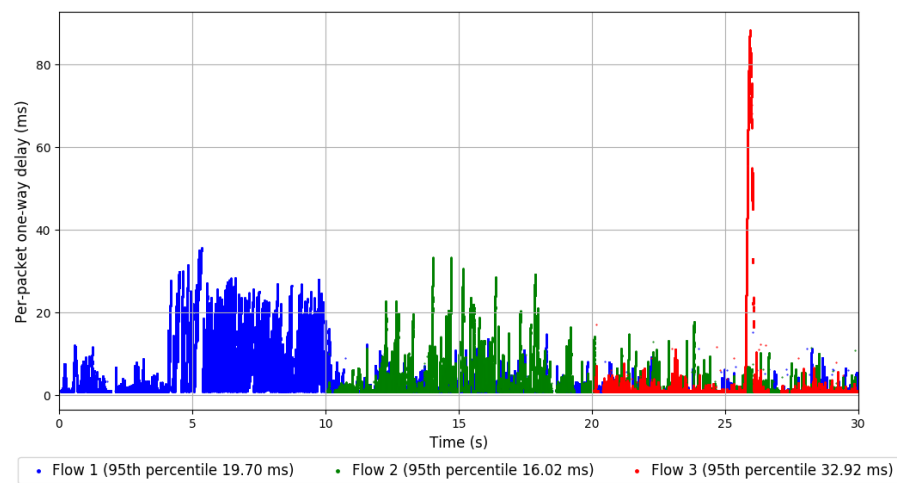
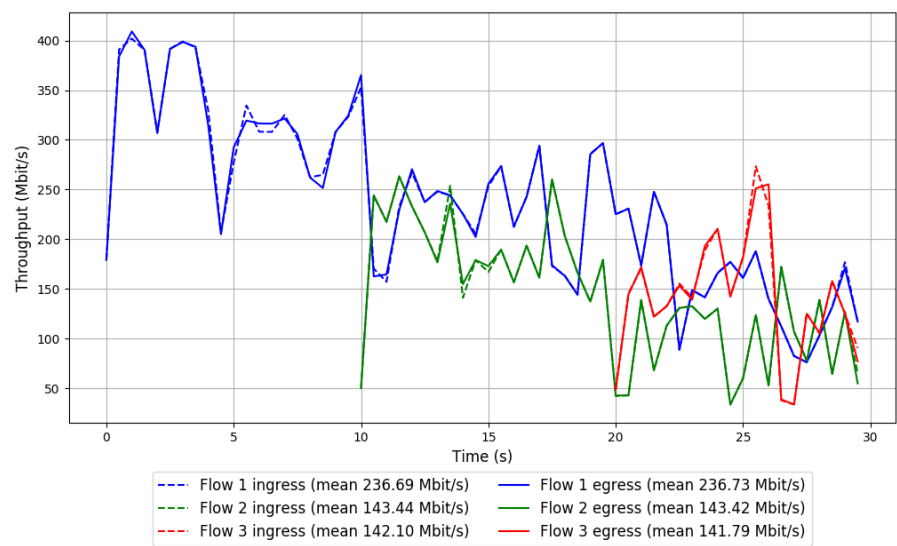
-- Flow 3:

Average throughput: 141.79 Mbit/s

95th percentile per-packet one-way delay: 32.922 ms

Loss rate: 0.47%

Run 10: Report of Verus — Data Link

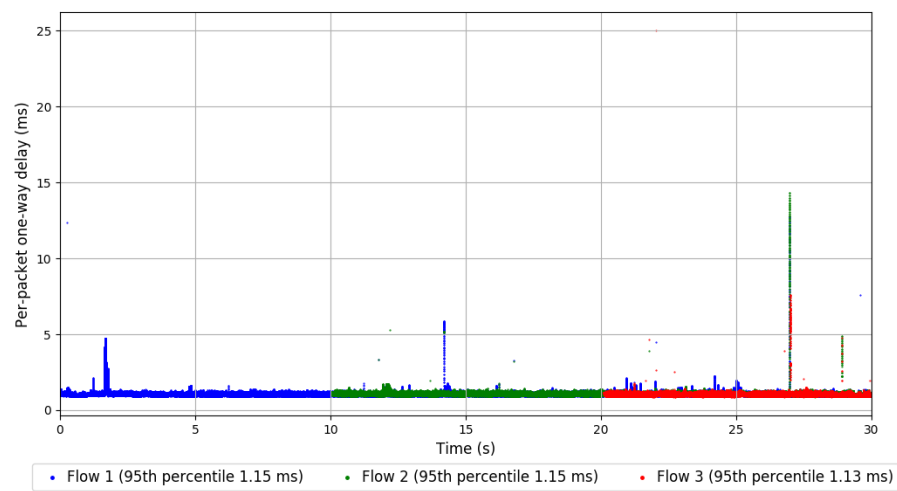
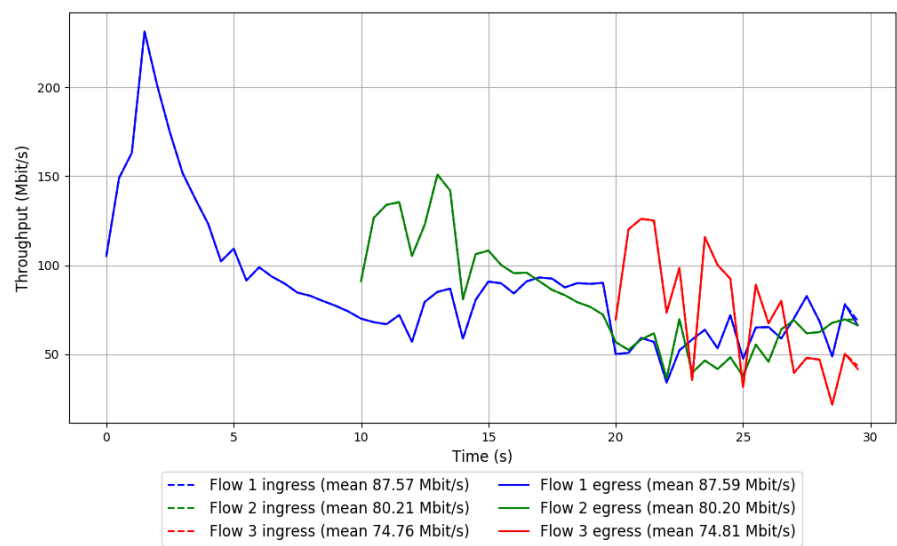


Run 1: Statistics of Copa

Start at: 2018-04-03 17:00:34
End at: 2018-04-03 17:01:04
Local clock offset: 0.321 ms
Remote clock offset: -4.384 ms

Below is generated by plot.py at 2018-04-04 04:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.54 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.12%

Run 1: Report of Copa — Data Link

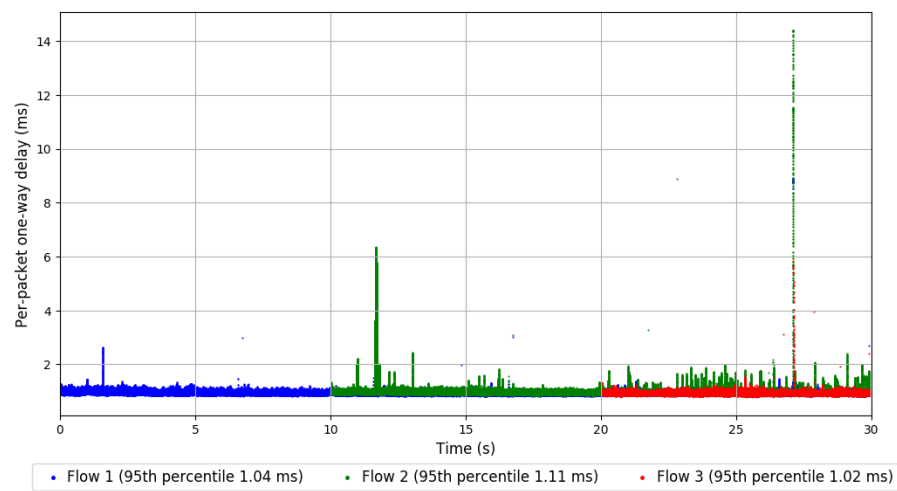
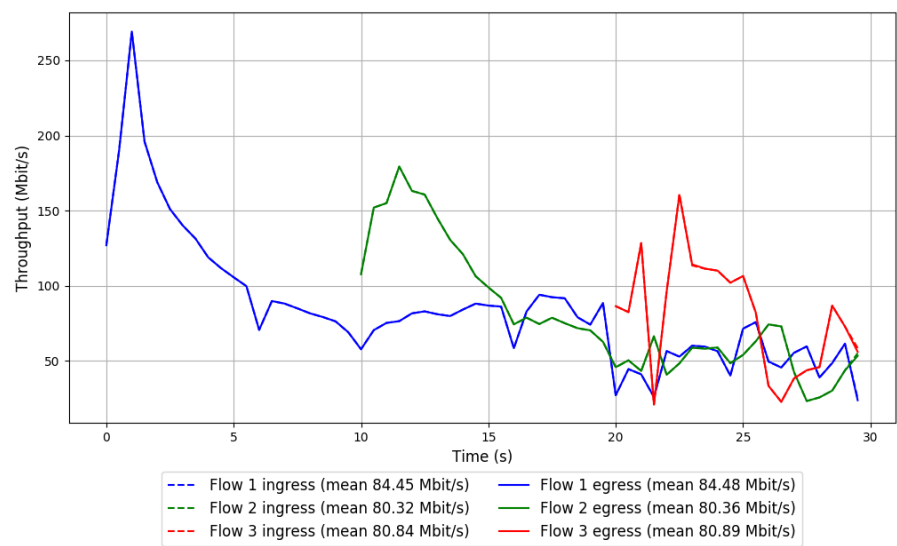


Run 2: Statistics of Copa

Start at: 2018-04-03 17:29:29
End at: 2018-04-03 17:29:59
Local clock offset: 0.347 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-04-04 04:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.71 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

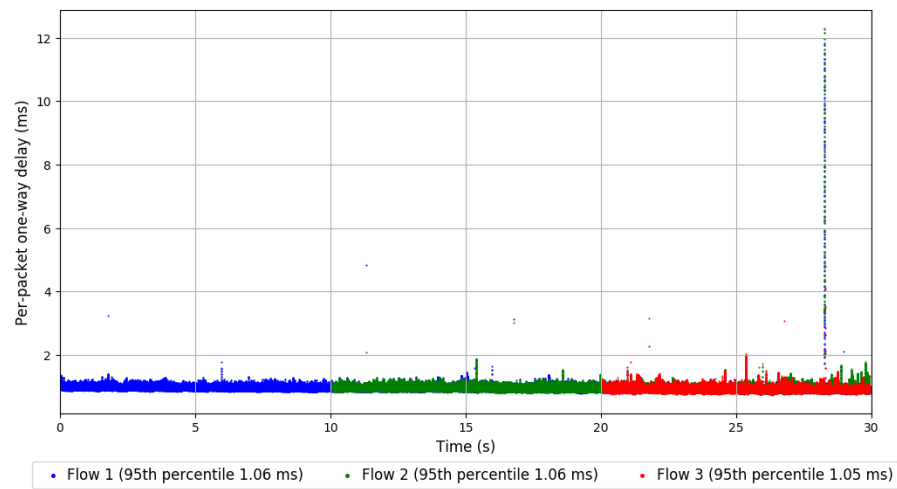
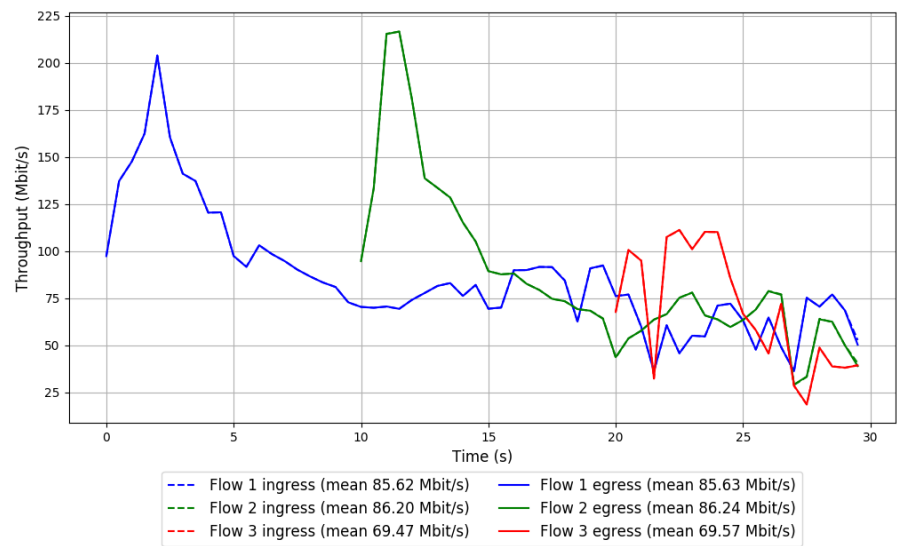


Run 3: Statistics of Copa

Start at: 2018-04-03 17:58:29
End at: 2018-04-03 17:58:59
Local clock offset: 0.225 ms
Remote clock offset: -4.403 ms

Below is generated by plot.py at 2018-04-04 04:27:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.95 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

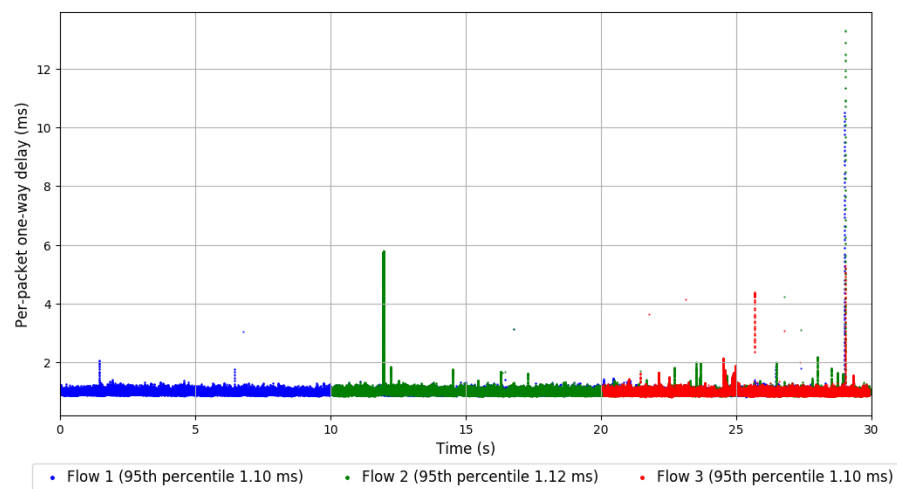
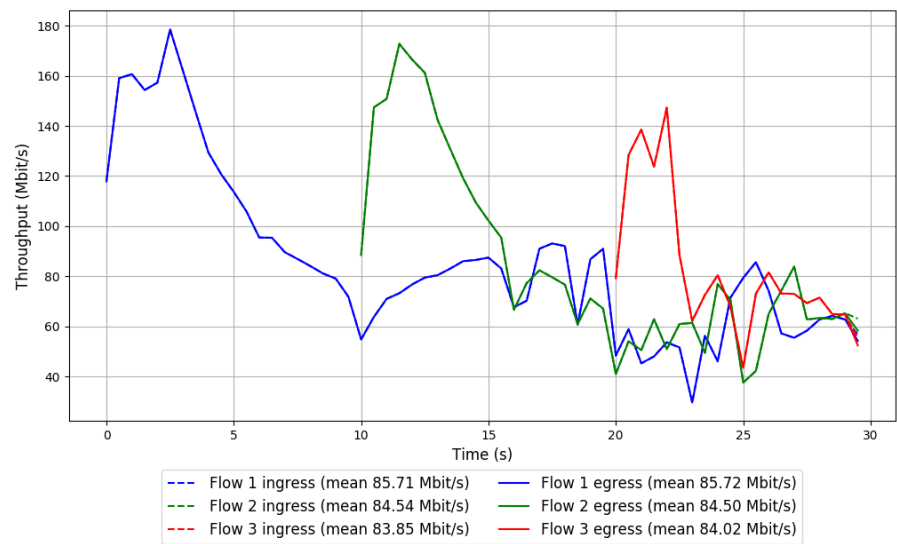


Run 4: Statistics of Copa

Start at: 2018-04-03 18:27:24
End at: 2018-04-03 18:27:54
Local clock offset: -0.015 ms
Remote clock offset: -6.473 ms

Below is generated by plot.py at 2018-04-04 04:27:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.58 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.20%

Run 4: Report of Copa — Data Link

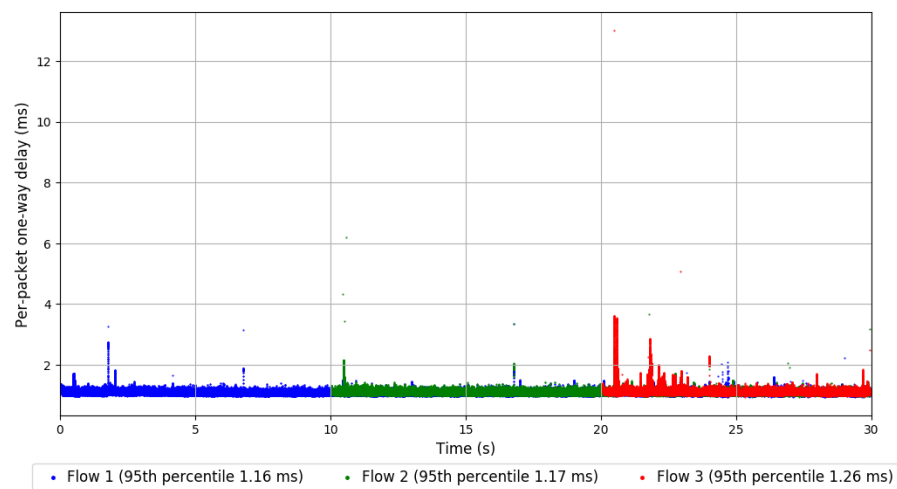
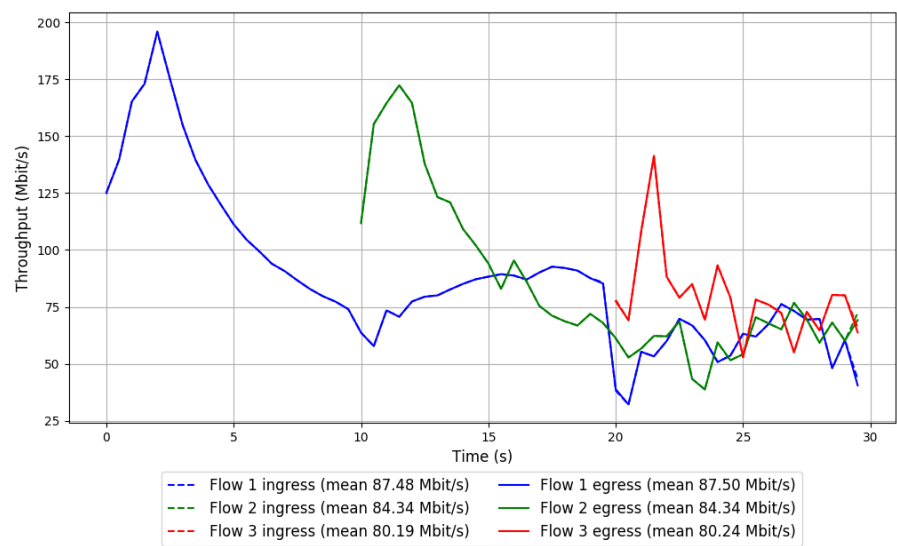


Run 5: Statistics of Copa

Start at: 2018-04-03 18:56:23
End at: 2018-04-03 18:56:53
Local clock offset: 0.298 ms
Remote clock offset: -6.006 ms

Below is generated by plot.py at 2018-04-04 04:27:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.11 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.14%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-03 19:25:14

End at: 2018-04-03 19:25:44

Local clock offset: 0.521 ms

Remote clock offset: 1.983 ms

Below is generated by plot.py at 2018-04-04 04:28:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.64 Mbit/s

95th percentile per-packet one-way delay: 1.329 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 1.337 ms

Loss rate: 0.08%

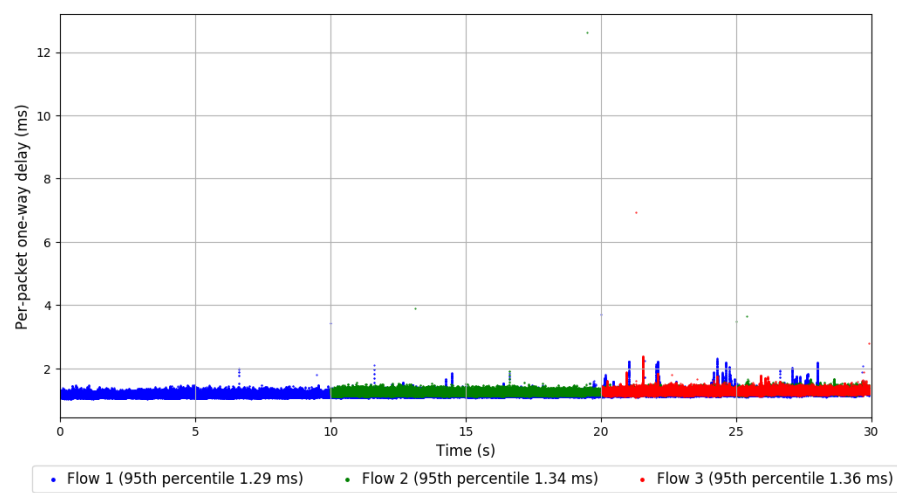
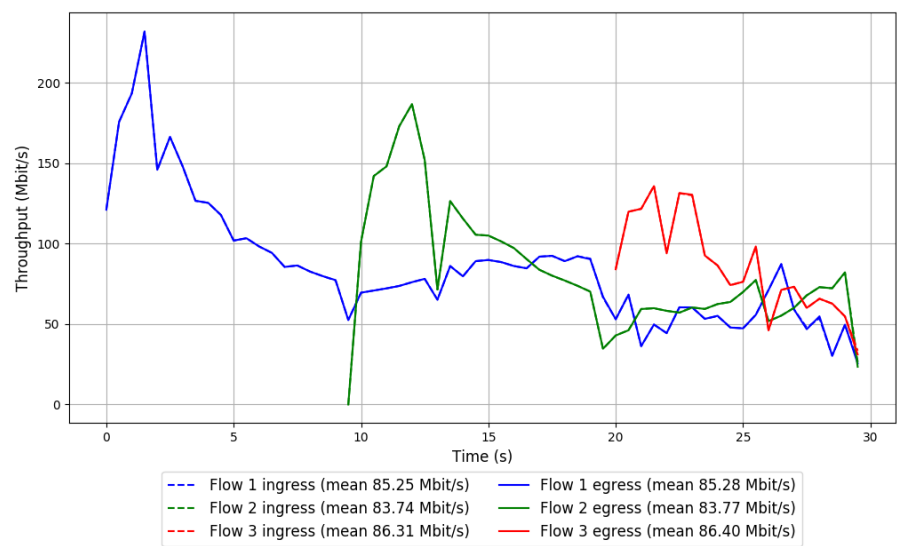
-- Flow 3:

Average throughput: 86.40 Mbit/s

95th percentile per-packet one-way delay: 1.364 ms

Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-03 19:53:54

End at: 2018-04-03 19:54:24

Local clock offset: 0.116 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-04-04 04:28:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.26 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.09%

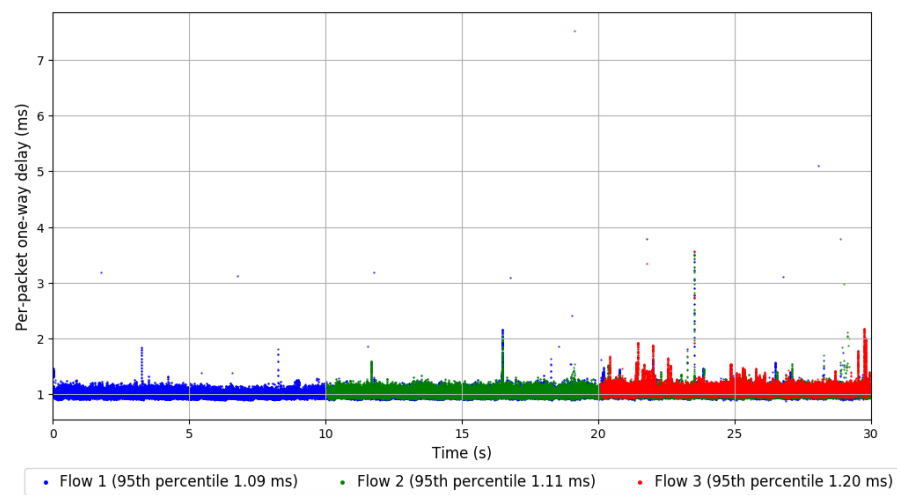
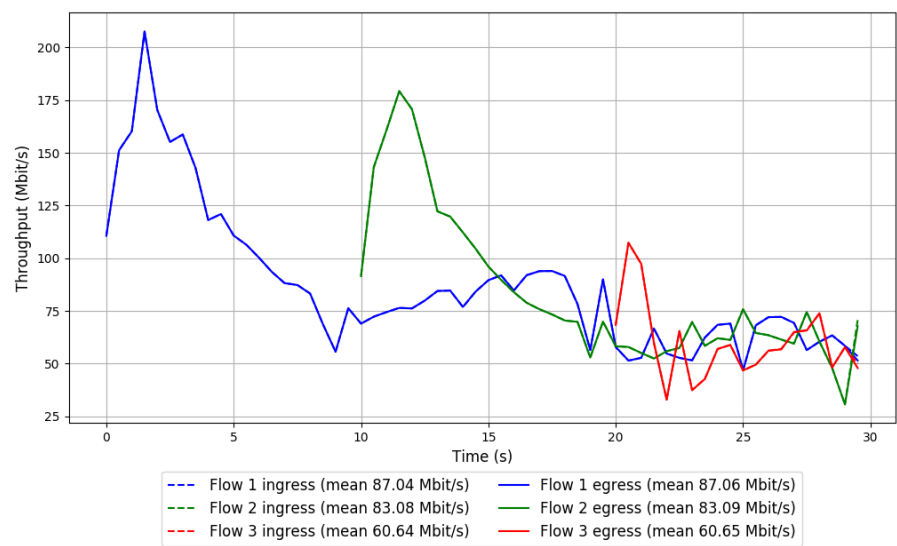
-- Flow 3:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.18%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-03 20:22:41

End at: 2018-04-03 20:23:11

Local clock offset: -0.192 ms

Remote clock offset: 0.579 ms

Below is generated by plot.py at 2018-04-04 04:30:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.35 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.07%

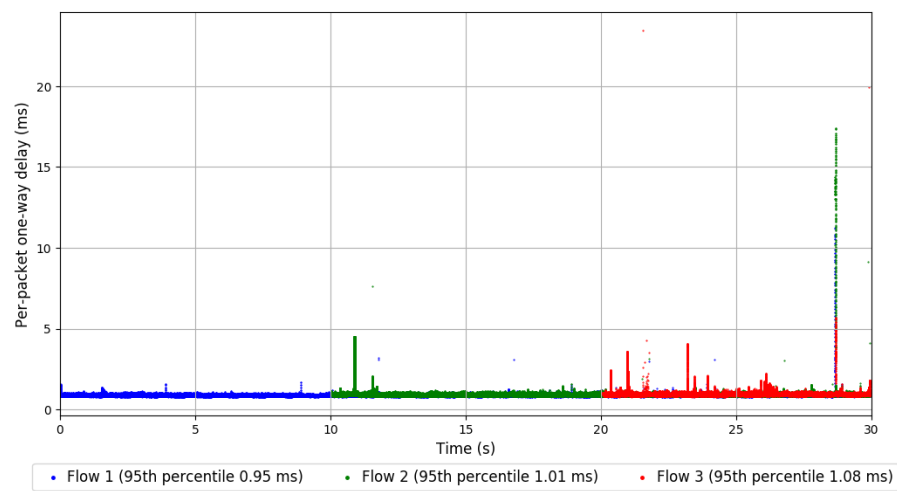
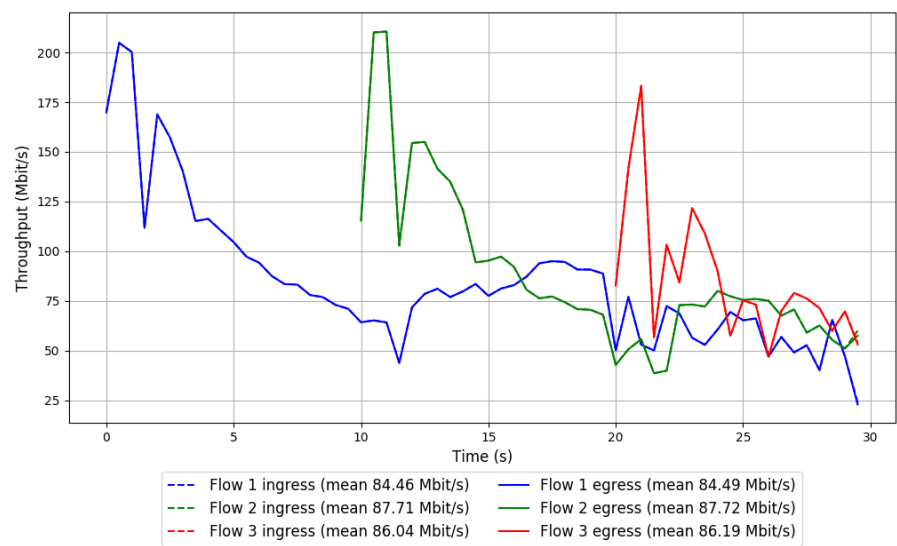
-- Flow 3:

Average throughput: 86.19 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-03 20:51:22

End at: 2018-04-03 20:51:52

Local clock offset: 0.459 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-04-04 04:30:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.23 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 1.175 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.05%

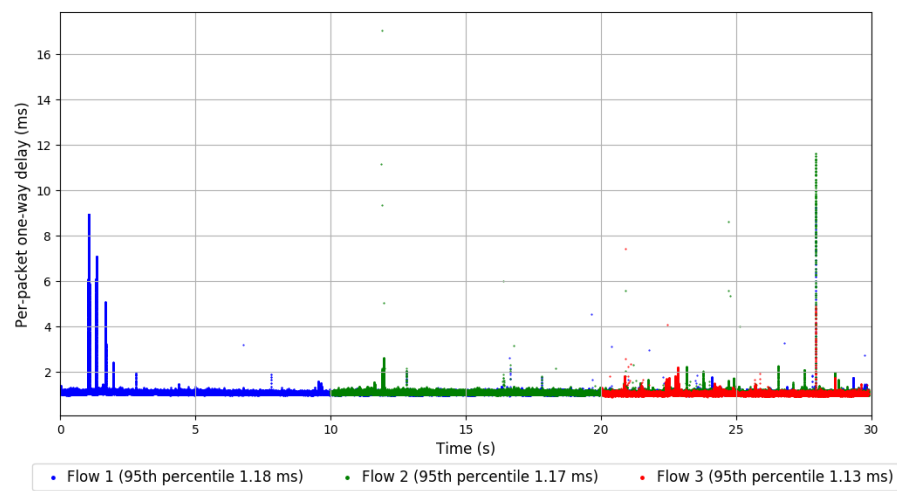
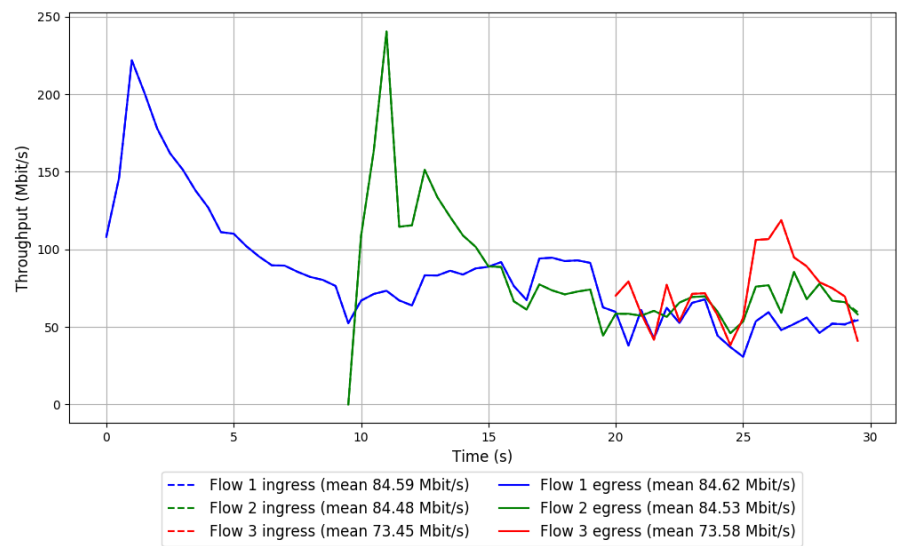
-- Flow 3:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-03 21:19:48

End at: 2018-04-03 21:20:18

Local clock offset: 0.831 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-04-04 04:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 1.137 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.07%

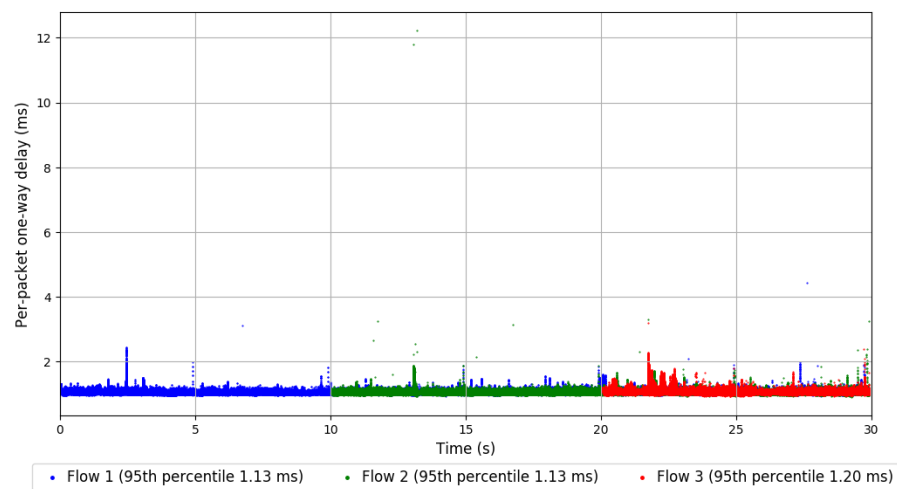
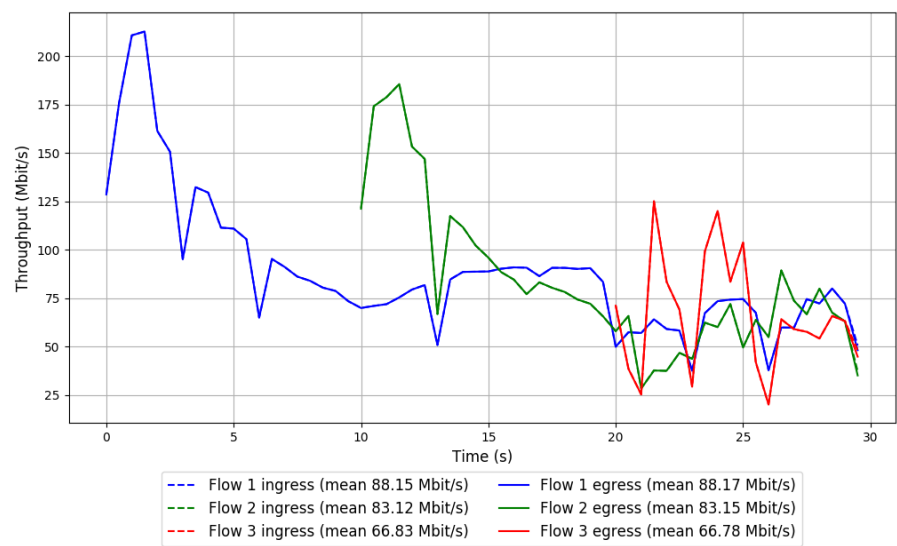
-- Flow 3:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.26%

Run 10: Report of Copa — Data Link

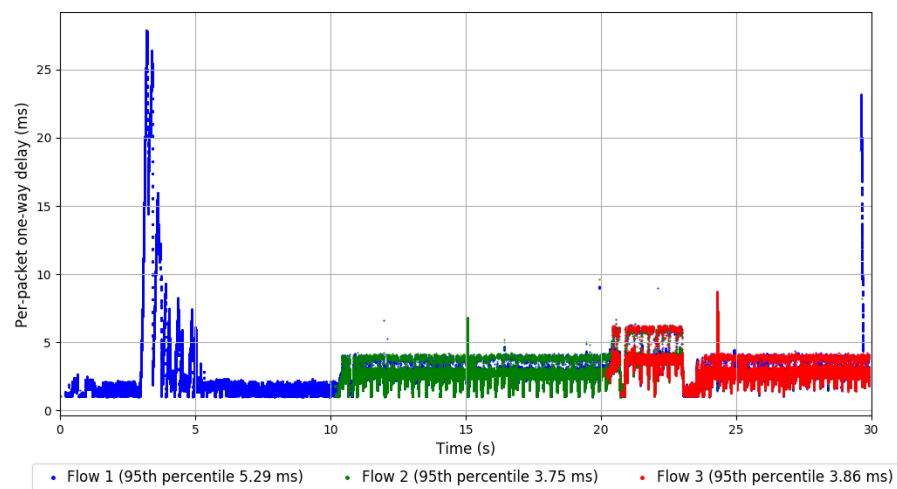
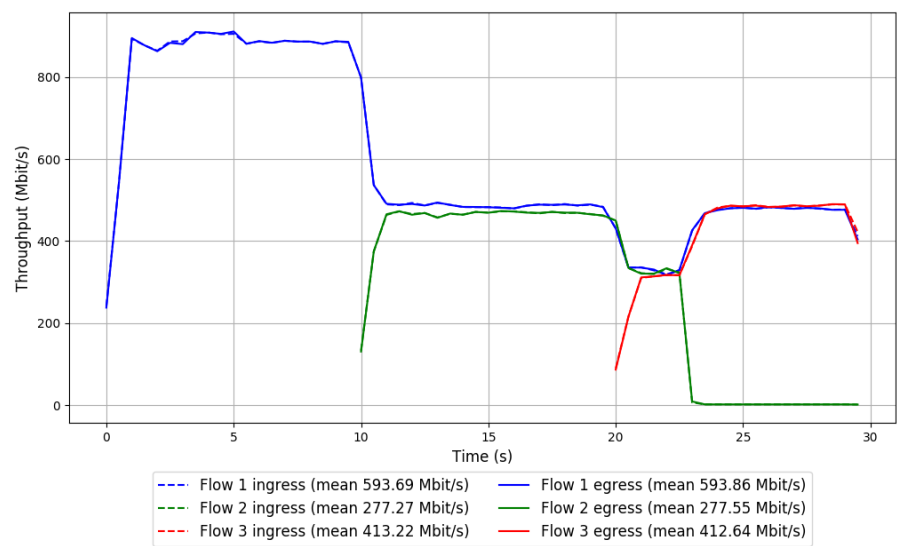


Run 1: Statistics of FillP

Start at: 2018-04-03 17:02:04
End at: 2018-04-03 17:02:34
Local clock offset: 0.35 ms
Remote clock offset: -4.417 ms

Below is generated by plot.py at 2018-04-04 04:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 914.80 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 593.86 Mbit/s
95th percentile per-packet one-way delay: 5.286 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 277.55 Mbit/s
95th percentile per-packet one-way delay: 3.755 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 412.64 Mbit/s
95th percentile per-packet one-way delay: 3.858 ms
Loss rate: 0.36%

Run 1: Report of FillP — Data Link

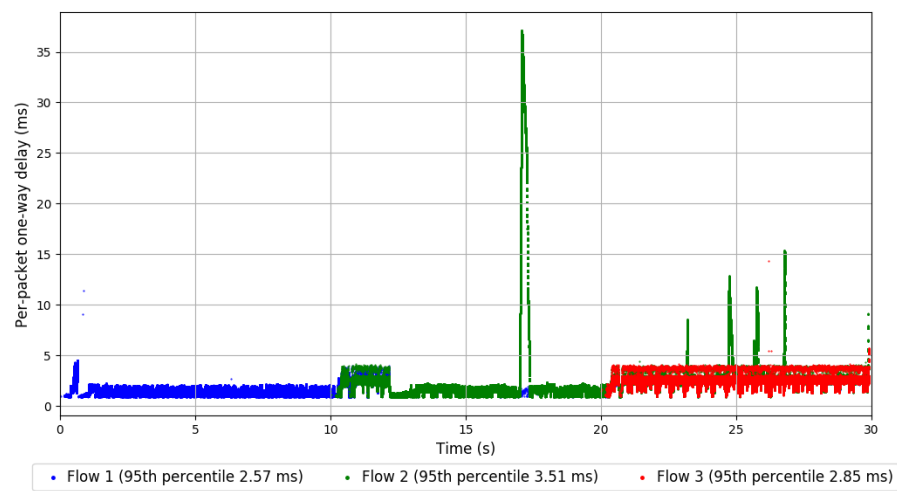
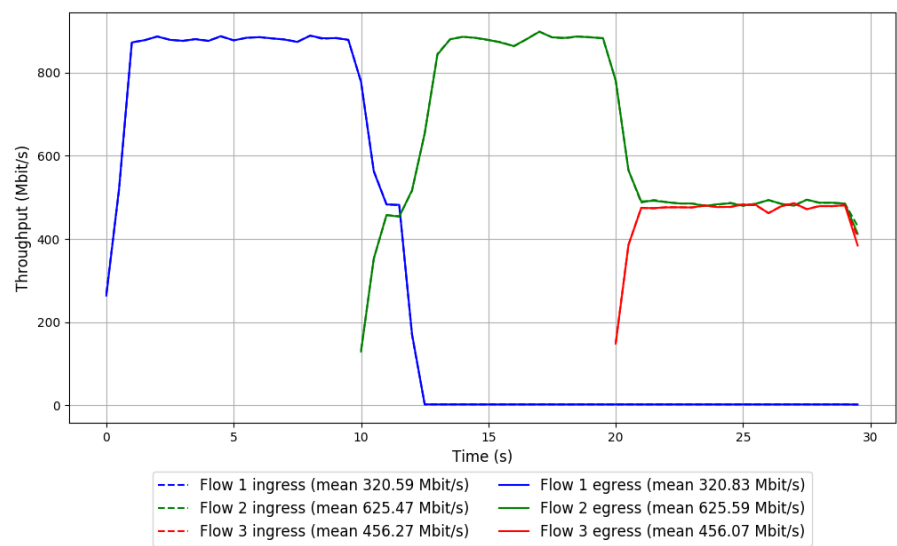


Run 2: Statistics of FillP

Start at: 2018-04-03 17:30:59
End at: 2018-04-03 17:31:29
Local clock offset: 0.378 ms
Remote clock offset: -4.318 ms

Below is generated by plot.py at 2018-04-04 04:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 887.98 Mbit/s
95th percentile per-packet one-way delay: 2.876 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 320.83 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 625.59 Mbit/s
95th percentile per-packet one-way delay: 3.506 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 456.07 Mbit/s
95th percentile per-packet one-way delay: 2.847 ms
Loss rate: 0.25%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-03 18:00:00

End at: 2018-04-03 18:00:30

Local clock offset: 0.323 ms

Remote clock offset: -4.59 ms

Below is generated by plot.py at 2018-04-04 04:42:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 907.82 Mbit/s

95th percentile per-packet one-way delay: 45.159 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 555.04 Mbit/s

95th percentile per-packet one-way delay: 52.872 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 387.45 Mbit/s

95th percentile per-packet one-way delay: 5.153 ms

Loss rate: 0.21%

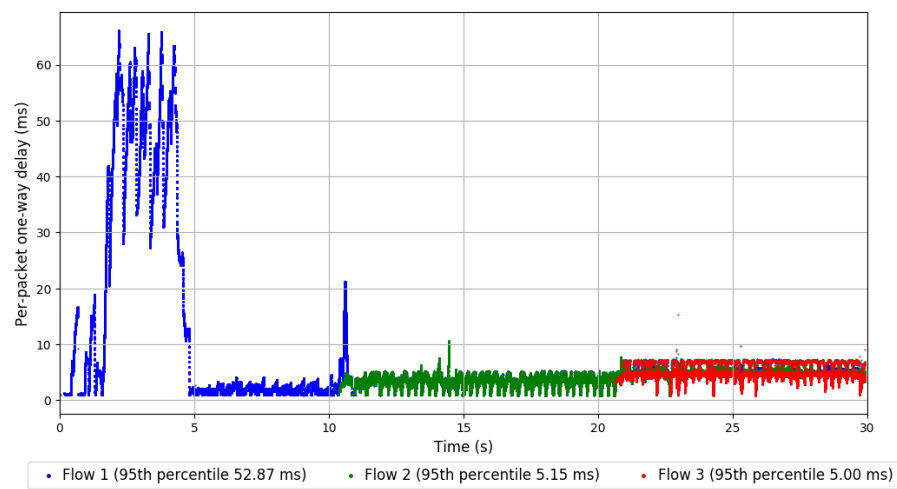
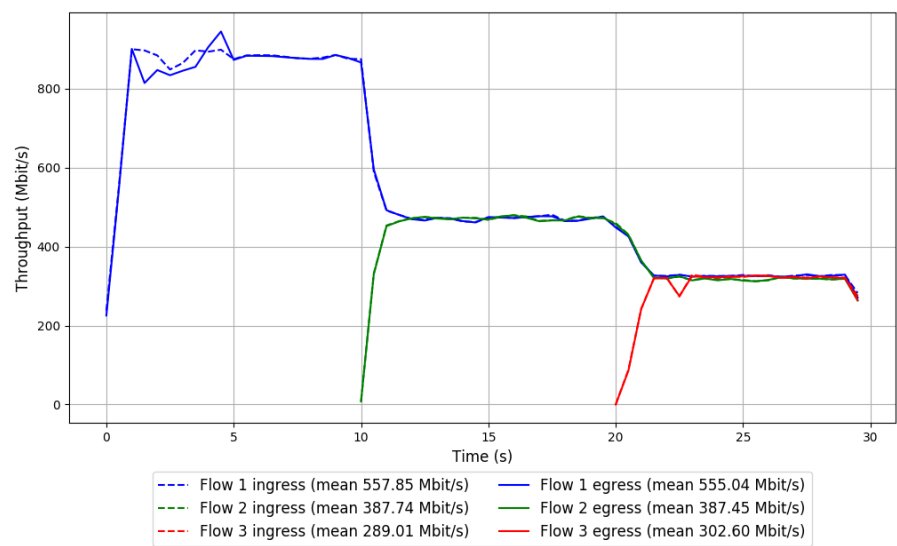
-- Flow 3:

Average throughput: 302.60 Mbit/s

95th percentile per-packet one-way delay: 5.002 ms

Loss rate: 0.35%

Run 3: Report of FillP — Data Link

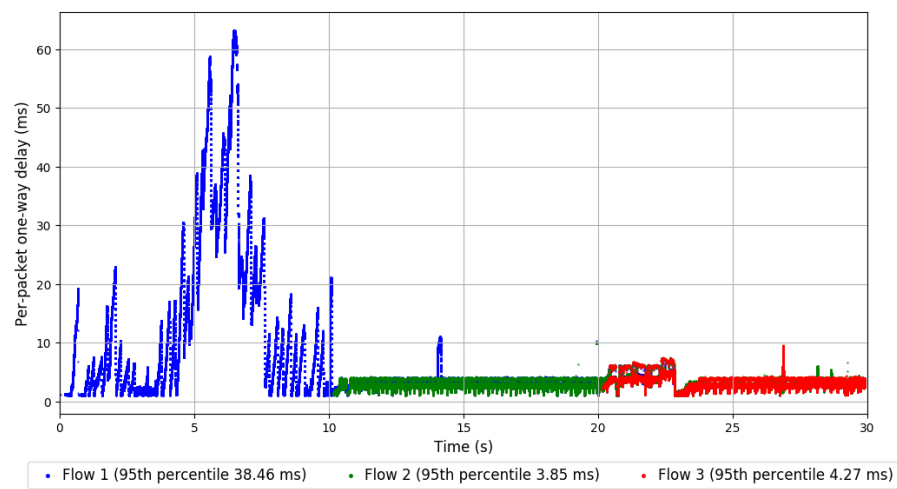
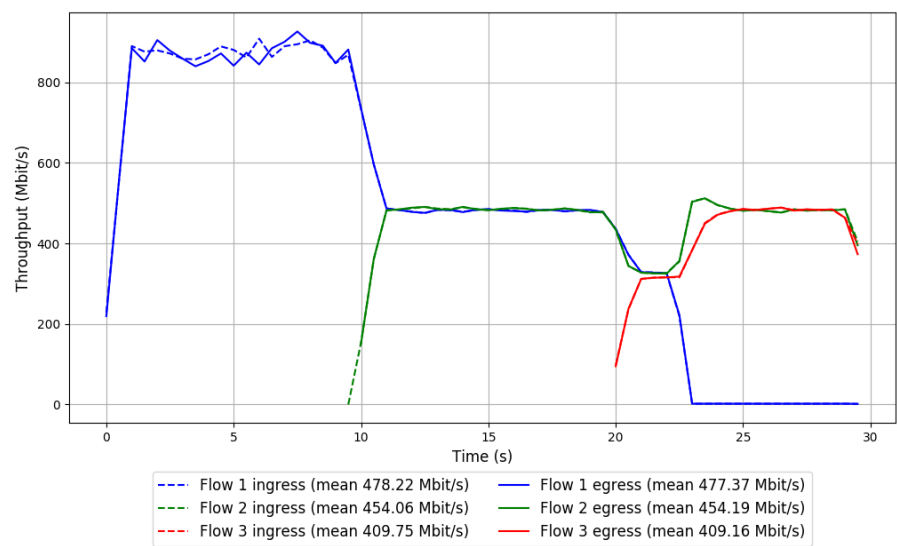


Run 4: Statistics of FillP

Start at: 2018-04-03 18:28:55
End at: 2018-04-03 18:29:25
Local clock offset: 0.104 ms
Remote clock offset: -6.505 ms

Below is generated by plot.py at 2018-04-04 04:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 914.86 Mbit/s
95th percentile per-packet one-way delay: 29.406 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 477.37 Mbit/s
95th percentile per-packet one-way delay: 38.458 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 454.19 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 409.16 Mbit/s
95th percentile per-packet one-way delay: 4.268 ms
Loss rate: 0.34%

Run 4: Report of FillP — Data Link

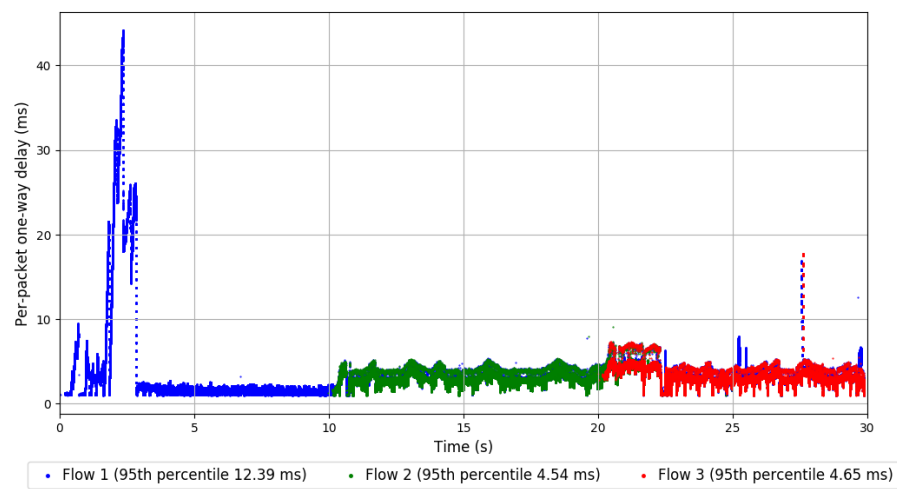
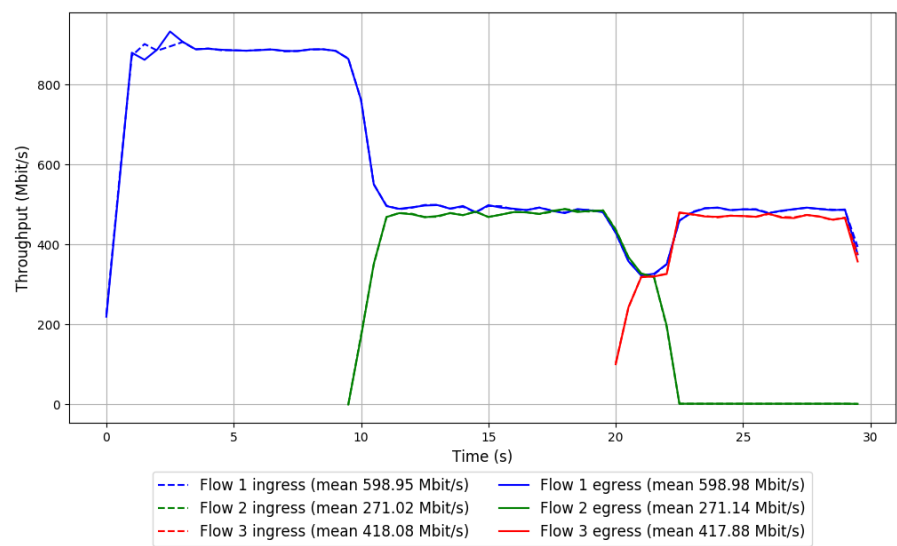


Run 5: Statistics of FillP

Start at: 2018-04-03 18:57:54
End at: 2018-04-03 18:58:24
Local clock offset: 0.331 ms
Remote clock offset: -6.001 ms

Below is generated by plot.py at 2018-04-04 04:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.57 Mbit/s
95th percentile per-packet one-way delay: 5.067 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 598.98 Mbit/s
95th percentile per-packet one-way delay: 12.389 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 271.14 Mbit/s
95th percentile per-packet one-way delay: 4.543 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 417.88 Mbit/s
95th percentile per-packet one-way delay: 4.653 ms
Loss rate: 0.26%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-03 19:26:44

End at: 2018-04-03 19:27:14

Local clock offset: 0.53 ms

Remote clock offset: 2.279 ms

Below is generated by plot.py at 2018-04-04 04:44:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.63 Mbit/s

95th percentile per-packet one-way delay: 43.411 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 457.94 Mbit/s

95th percentile per-packet one-way delay: 51.773 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 452.97 Mbit/s

95th percentile per-packet one-way delay: 3.969 ms

Loss rate: 0.12%

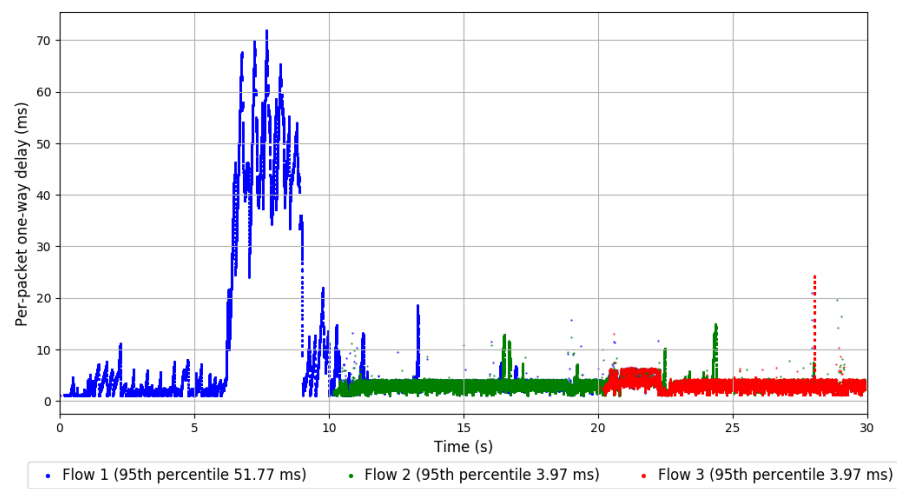
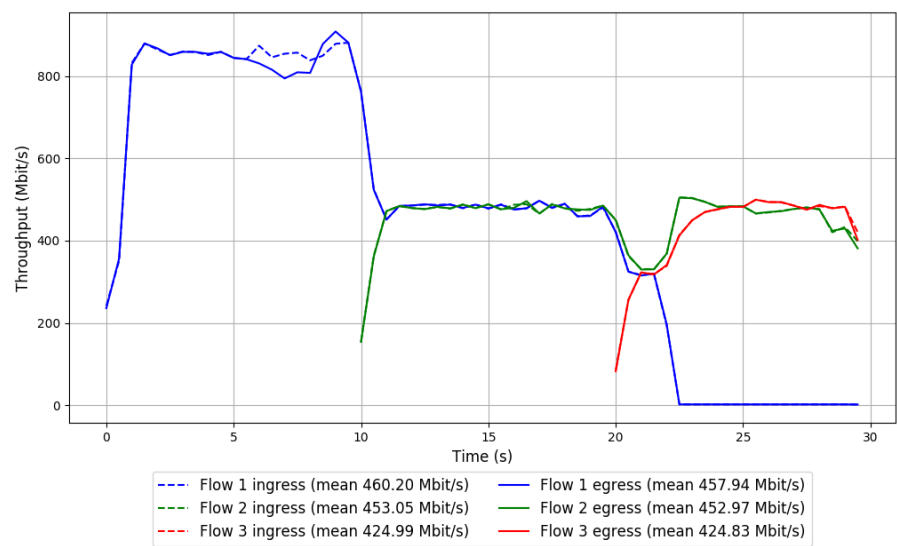
-- Flow 3:

Average throughput: 424.83 Mbit/s

95th percentile per-packet one-way delay: 3.971 ms

Loss rate: 0.25%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-03 19:55:24

End at: 2018-04-03 19:55:54

Local clock offset: 0.125 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-04-04 04:44:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 908.57 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 544.12 Mbit/s

95th percentile per-packet one-way delay: 4.779 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 392.78 Mbit/s

95th percentile per-packet one-way delay: 4.544 ms

Loss rate: 0.09%

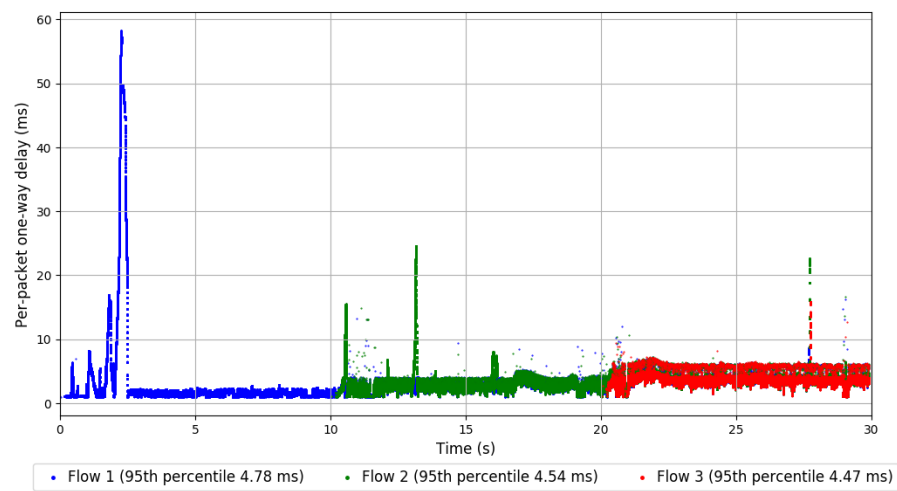
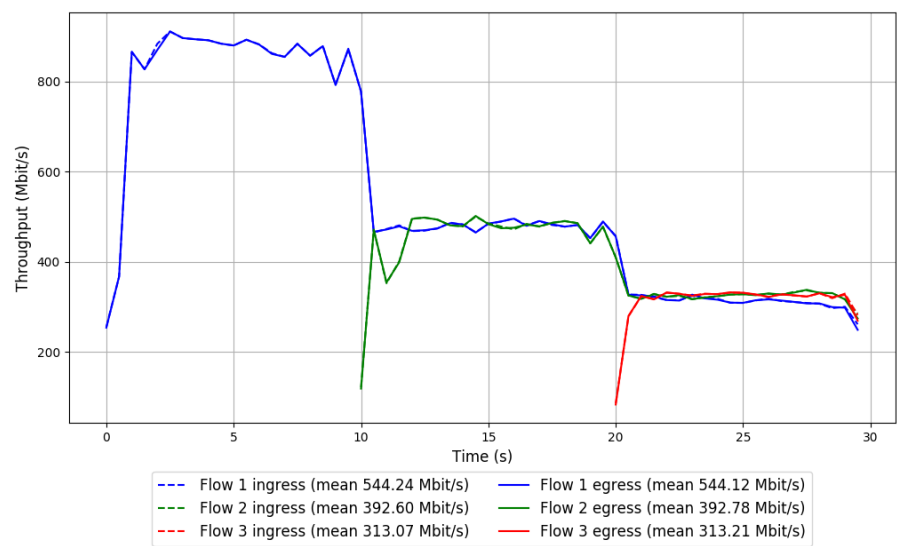
-- Flow 3:

Average throughput: 313.21 Mbit/s

95th percentile per-packet one-way delay: 4.474 ms

Loss rate: 0.24%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-03 20:24:11

End at: 2018-04-03 20:24:41

Local clock offset: -0.072 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2018-04-04 04:44:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 874.05 Mbit/s

95th percentile per-packet one-way delay: 36.121 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 337.17 Mbit/s

95th percentile per-packet one-way delay: 46.568 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 577.82 Mbit/s

95th percentile per-packet one-way delay: 6.398 ms

Loss rate: 0.22%

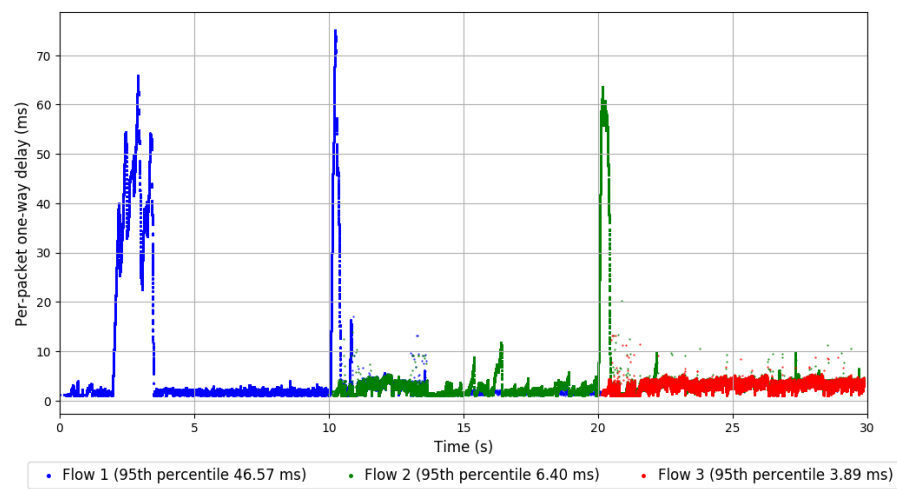
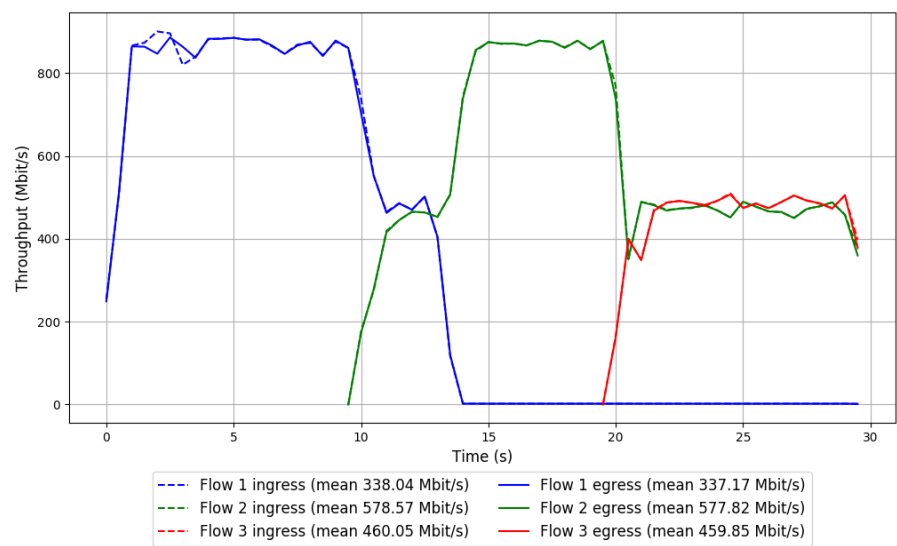
-- Flow 3:

Average throughput: 459.85 Mbit/s

95th percentile per-packet one-way delay: 3.893 ms

Loss rate: 0.24%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-03 20:52:52

End at: 2018-04-03 20:53:22

Local clock offset: 0.421 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-04-04 04:55:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 840.29 Mbit/s

95th percentile per-packet one-way delay: 2.767 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 308.94 Mbit/s

95th percentile per-packet one-way delay: 6.387 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 579.99 Mbit/s

95th percentile per-packet one-way delay: 2.602 ms

Loss rate: 0.08%

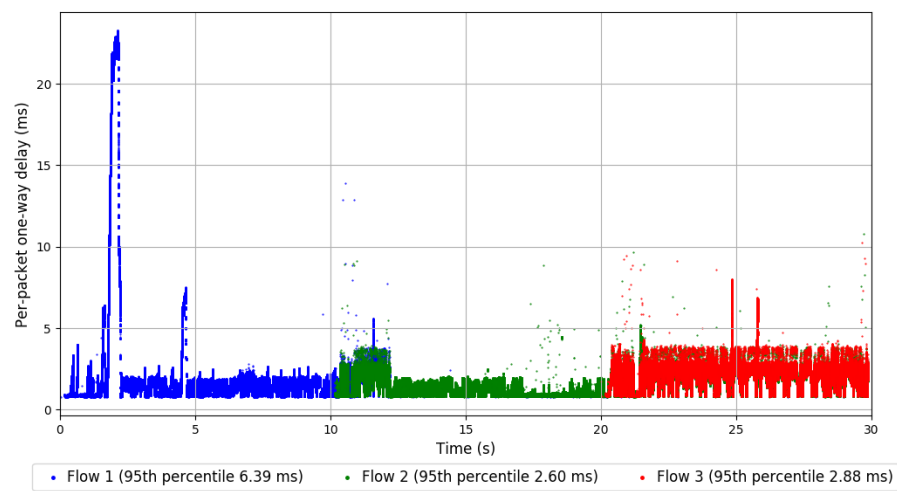
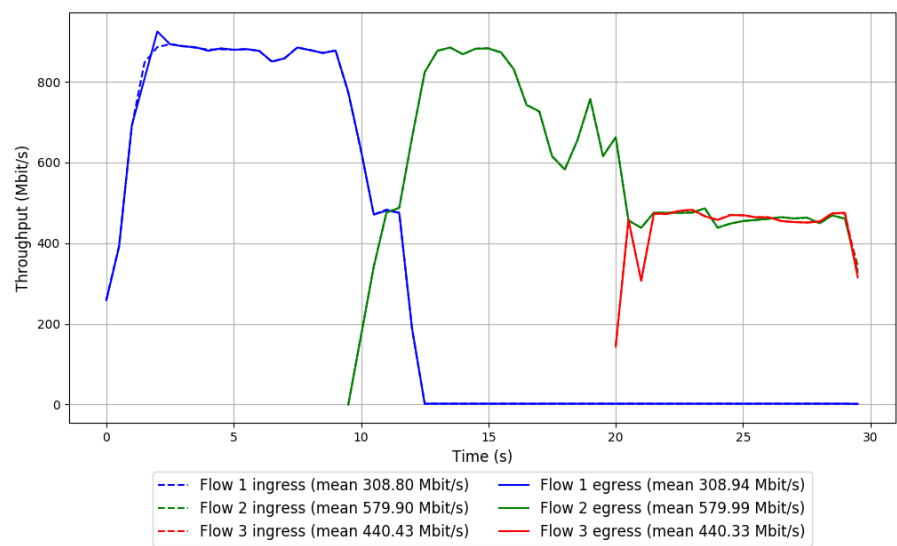
-- Flow 3:

Average throughput: 440.33 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.22%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-03 21:21:18

End at: 2018-04-03 21:21:48

Local clock offset: 0.854 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 876.75 Mbit/s

95th percentile per-packet one-way delay: 3.153 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 305.67 Mbit/s

95th percentile per-packet one-way delay: 2.546 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 631.66 Mbit/s

95th percentile per-packet one-way delay: 3.452 ms

Loss rate: 0.08%

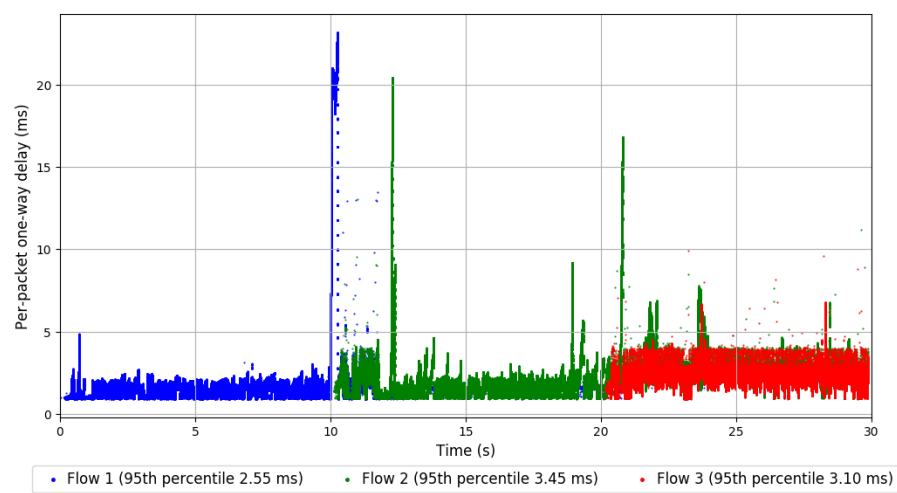
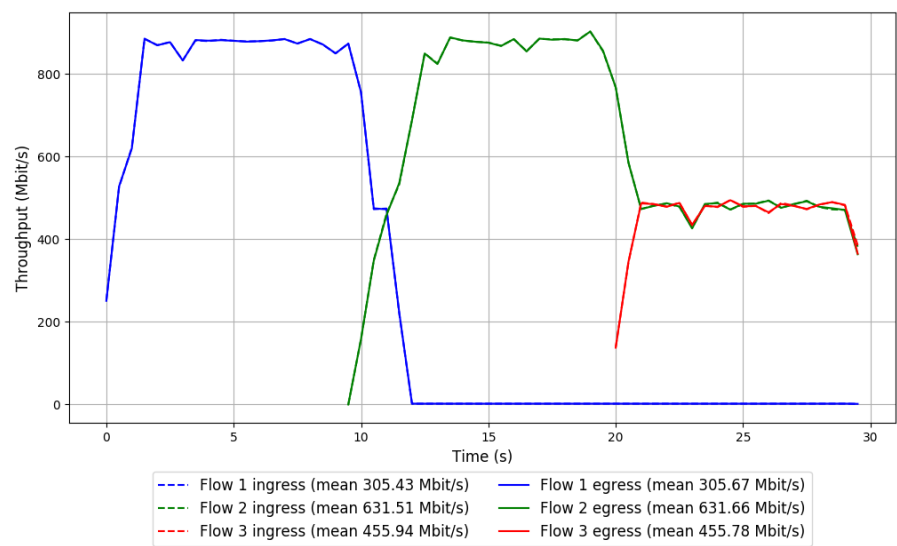
-- Flow 3:

Average throughput: 455.78 Mbit/s

95th percentile per-packet one-way delay: 3.102 ms

Loss rate: 0.23%

Run 10: Report of FillP — Data Link

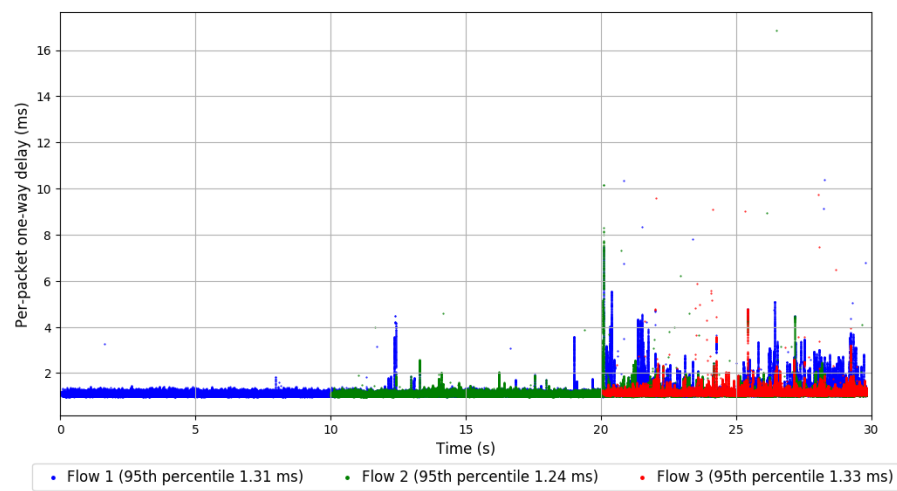
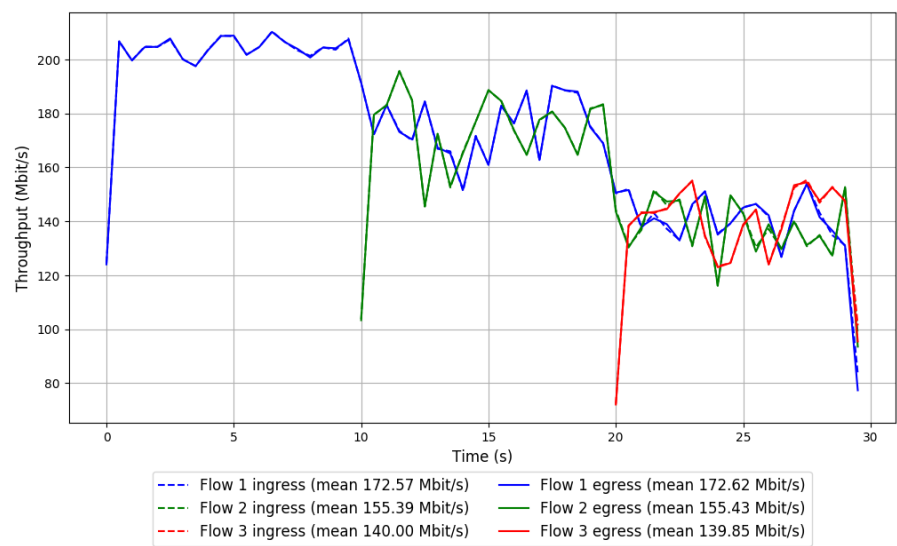


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 17:18:21
End at: 2018-04-03 17:18:51
Local clock offset: 0.342 ms
Remote clock offset: -4.075 ms

# Below is generated by plot.py at 2018-04-04 04:56:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.57 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 172.62 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 155.43 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 139.85 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.23%
```

Run 1: Report of Indigo-1-32 — Data Link

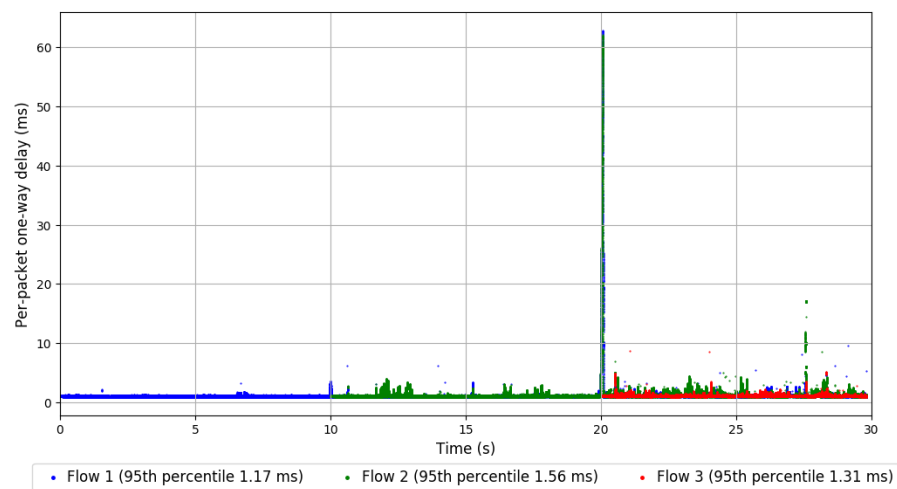
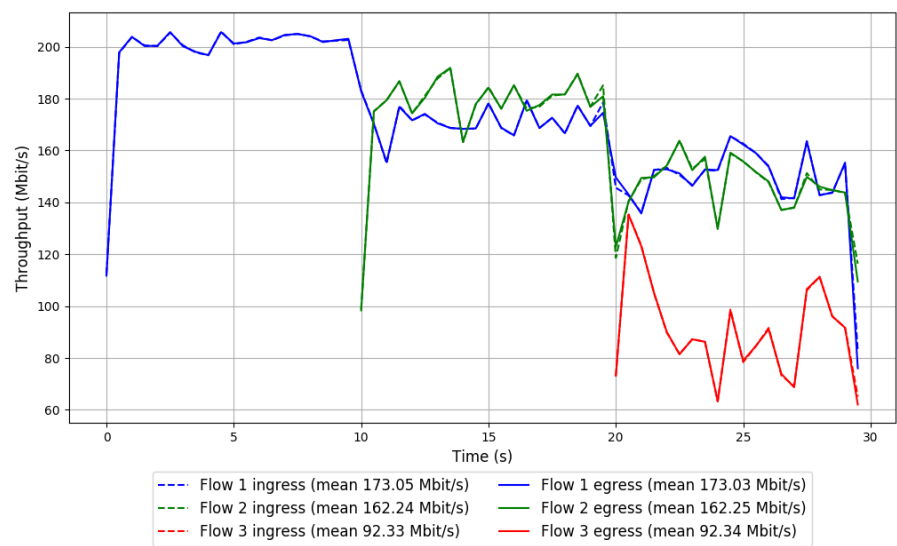


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 17:47:21
End at: 2018-04-03 17:47:51
Local clock offset: 0.367 ms
Remote clock offset: -4.569 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.10 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 173.03 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 162.25 Mbit/s
95th percentile per-packet one-way delay: 1.559 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.18%

Run 2: Report of Indigo-1-32 — Data Link

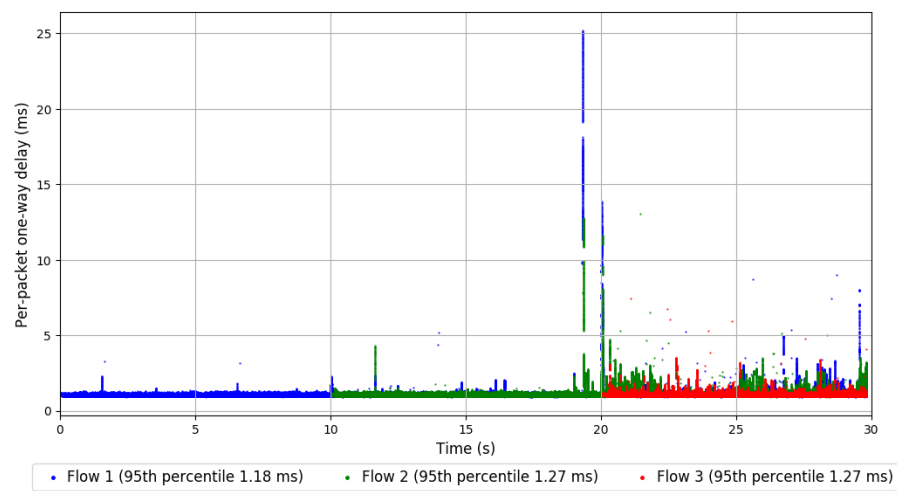
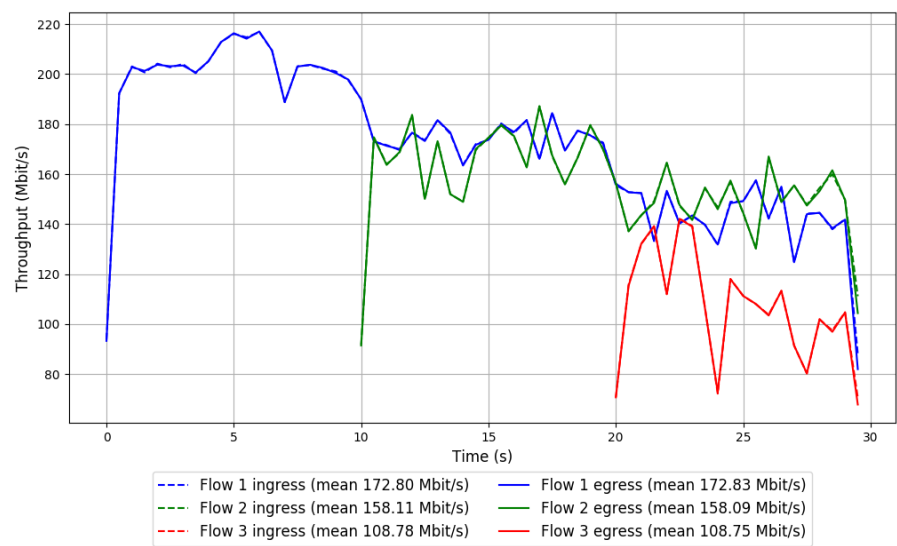


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 18:16:20
End at: 2018-04-03 18:16:50
Local clock offset: 0.142 ms
Remote clock offset: -6.142 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.28 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 172.83 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 158.09 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 108.75 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.16%

Run 3: Report of Indigo-1-32 — Data Link

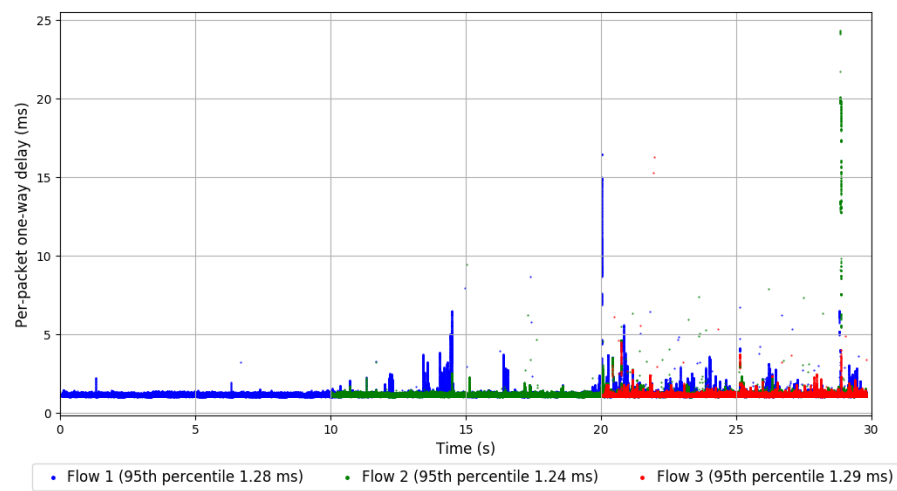
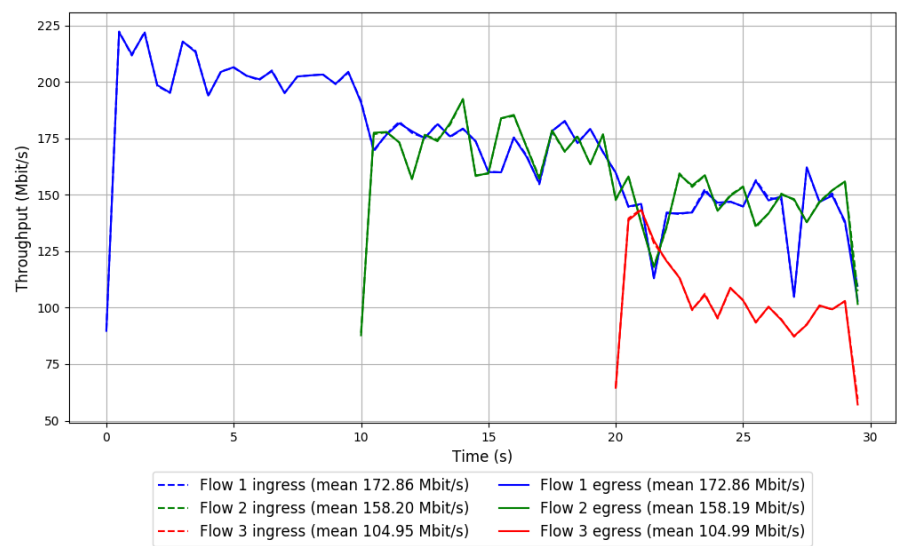


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 18:45:17
End at: 2018-04-03 18:45:47
Local clock offset: 0.054 ms
Remote clock offset: -6.077 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 172.86 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 158.19 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 104.99 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.12%

Run 4: Report of Indigo-1-32 — Data Link

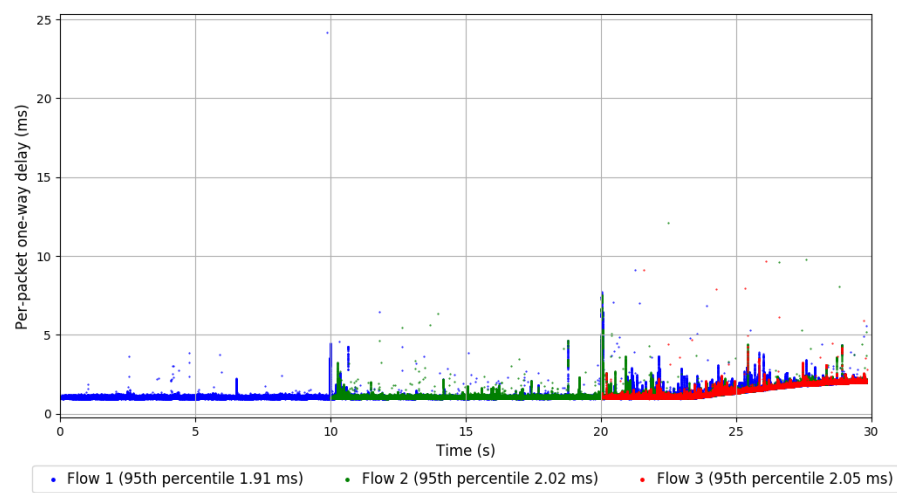
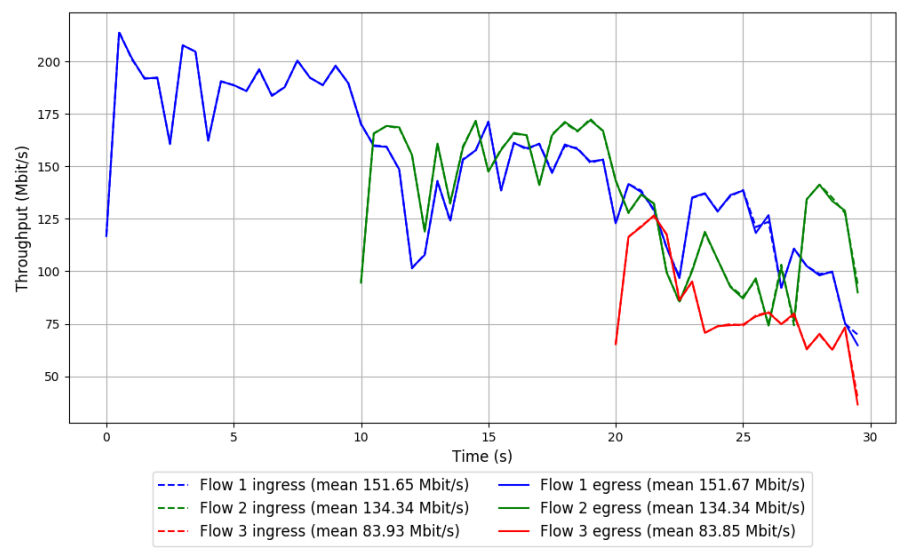


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 19:14:11
End at: 2018-04-03 19:14:41
Local clock offset: 0.549 ms
Remote clock offset: -5.377 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.37 Mbit/s
95th percentile per-packet one-way delay: 1.991 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 134.34 Mbit/s
95th percentile per-packet one-way delay: 2.018 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 2.050 ms
Loss rate: 0.19%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 19:42:48

End at: 2018-04-03 19:43:18

Local clock offset: 0.267 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.85 Mbit/s

95th percentile per-packet one-way delay: 1.291 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 170.32 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 155.42 Mbit/s

95th percentile per-packet one-way delay: 1.565 ms

Loss rate: 0.08%

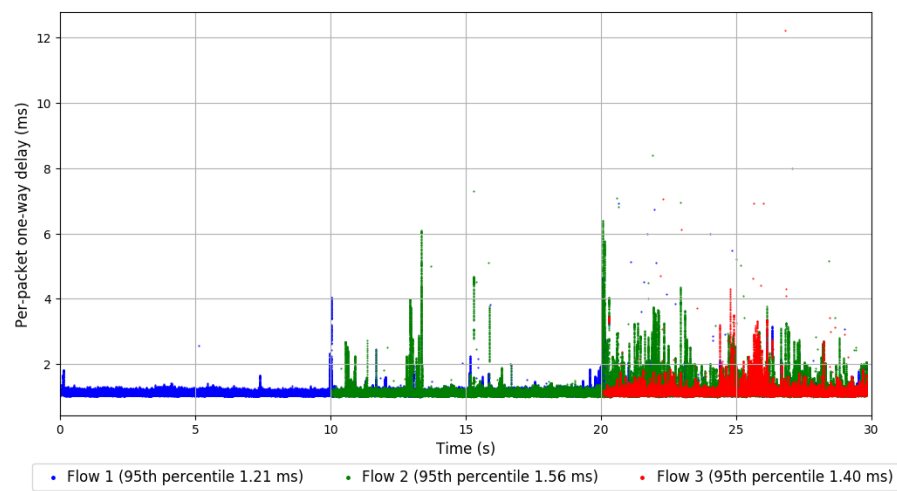
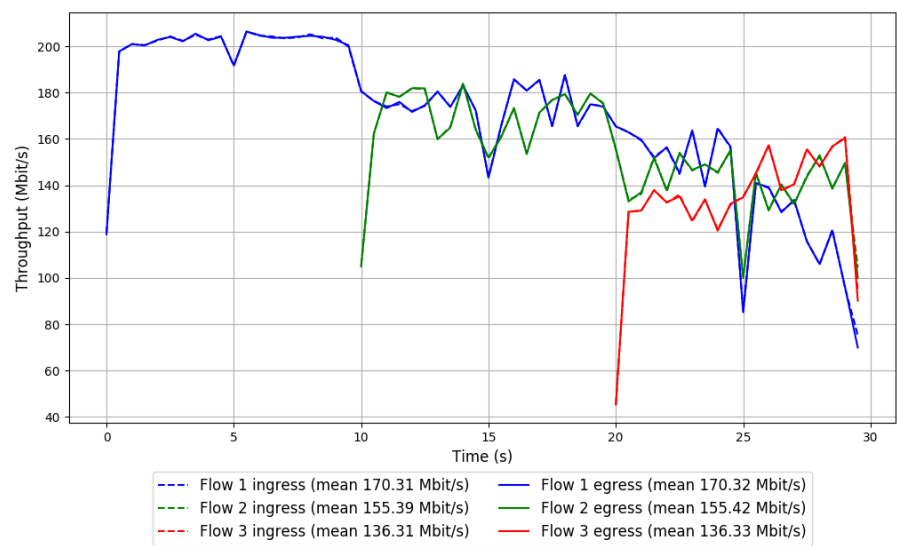
-- Flow 3:

Average throughput: 136.33 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.18%

Run 6: Report of Indigo-1-32 — Data Link



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 20:11:36

End at: 2018-04-03 20:12:06

Local clock offset: -0.097 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.90 Mbit/s

95th percentile per-packet one-way delay: 1.170 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 167.84 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 155.26 Mbit/s

95th percentile per-packet one-way delay: 1.503 ms

Loss rate: 0.09%

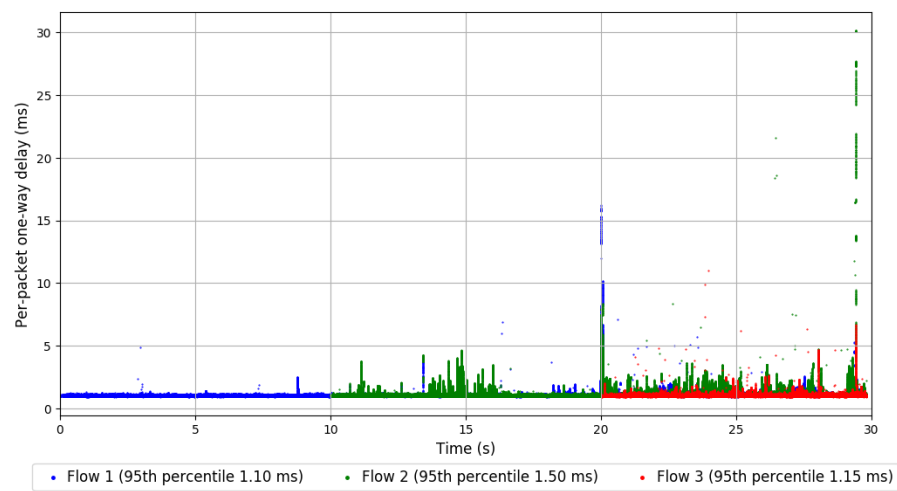
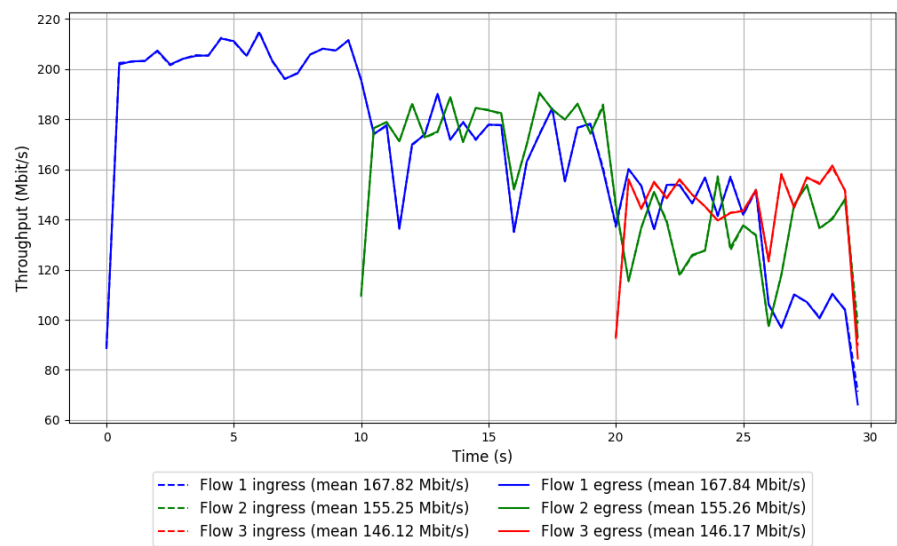
-- Flow 3:

Average throughput: 146.17 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.19%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-03 20:40:28

End at: 2018-04-03 20:40:58

Local clock offset: 0.02 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.65 Mbit/s

95th percentile per-packet one-way delay: 1.186 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 174.69 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 154.55 Mbit/s

95th percentile per-packet one-way delay: 1.335 ms

Loss rate: 0.13%

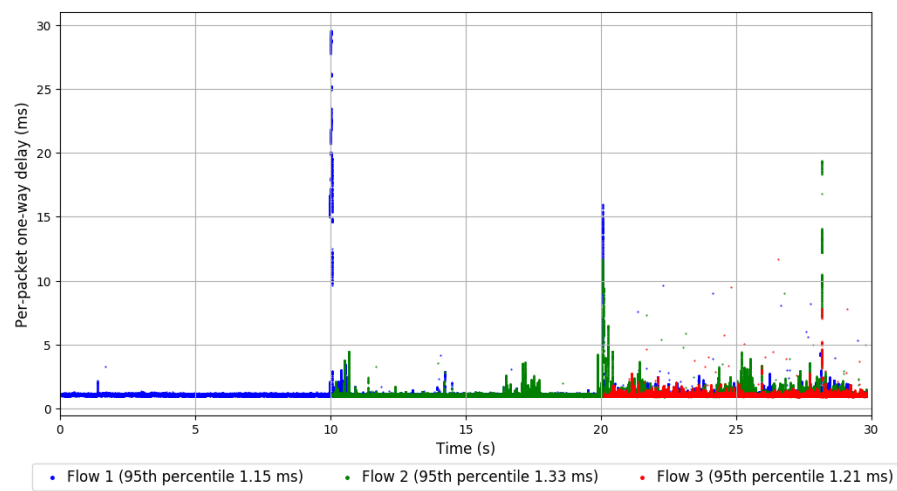
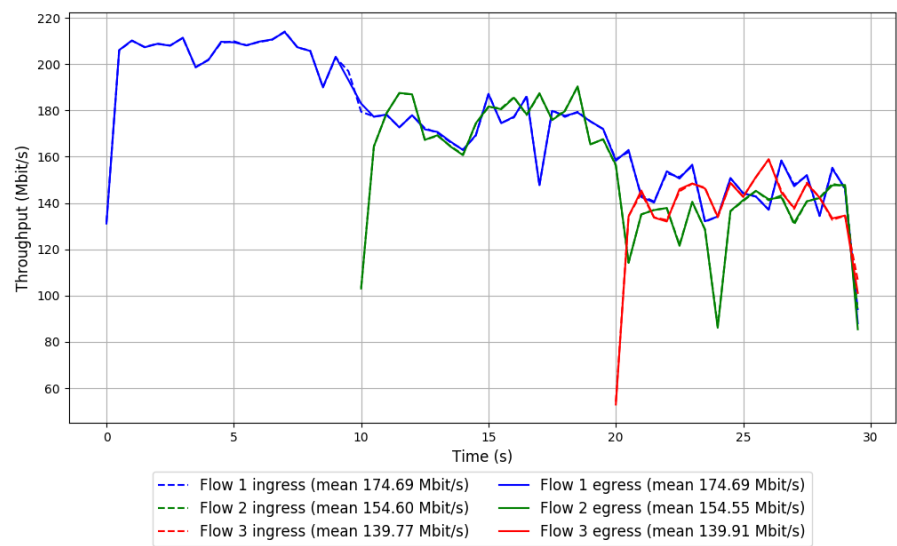
-- Flow 3:

Average throughput: 139.91 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.20%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-03 21:08:57

End at: 2018-04-03 21:09:27

Local clock offset: 0.689 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.60 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 172.67 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 142.90 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.07%

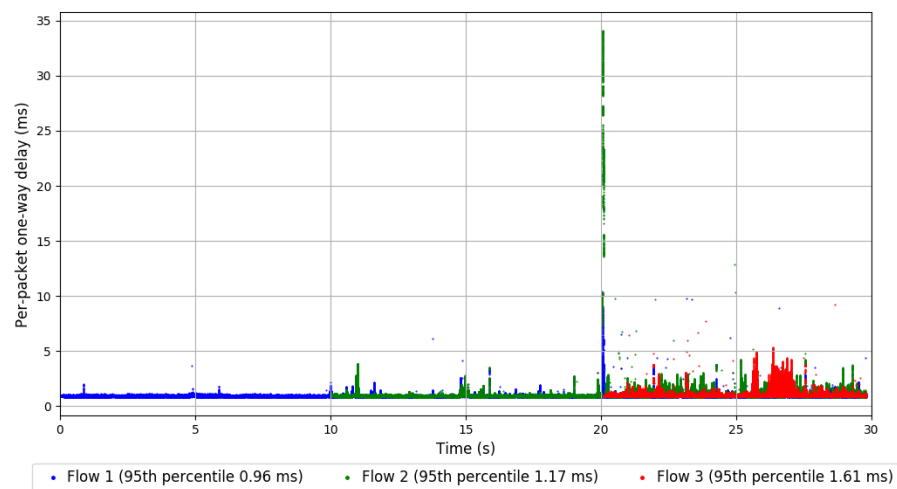
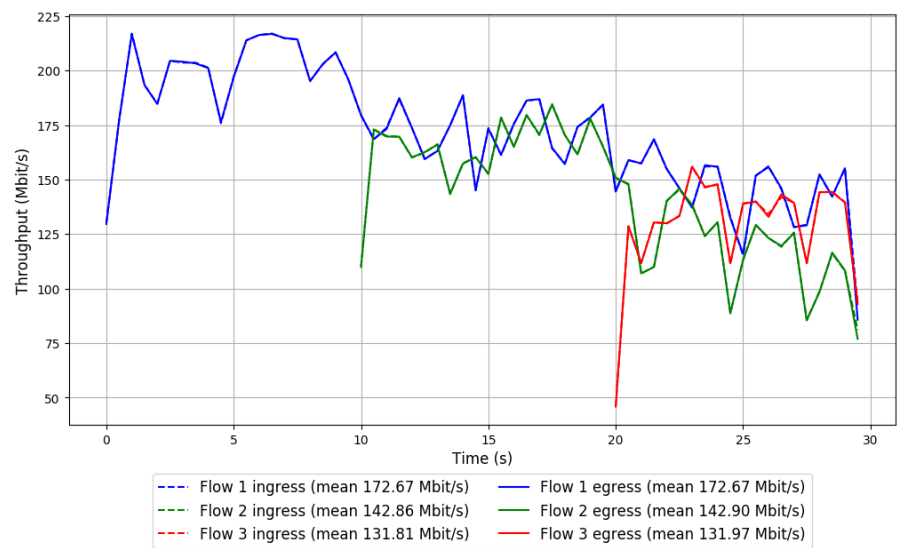
-- Flow 3:

Average throughput: 131.97 Mbit/s

95th percentile per-packet one-way delay: 1.608 ms

Loss rate: 0.07%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-03 21:37:40

End at: 2018-04-03 21:38:10

Local clock offset: 1.022 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2018-04-04 04:56:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.65 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 168.37 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 153.58 Mbit/s

95th percentile per-packet one-way delay: 1.583 ms

Loss rate: 0.12%

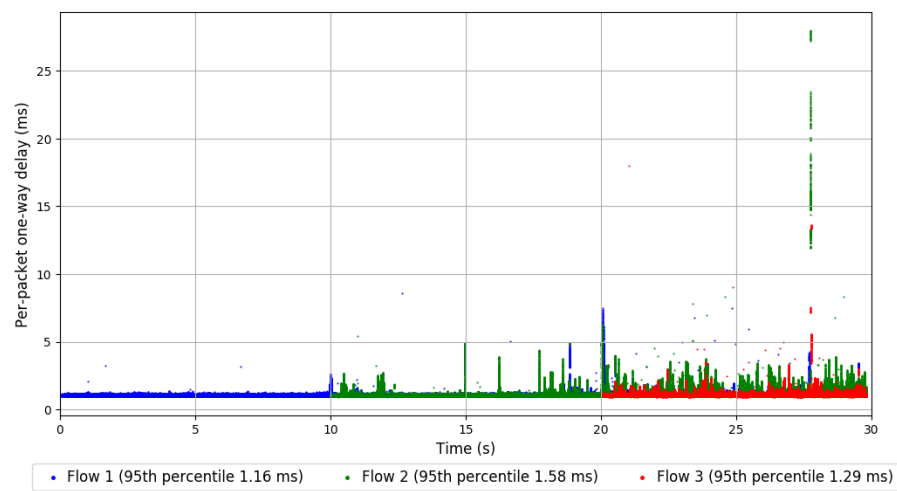
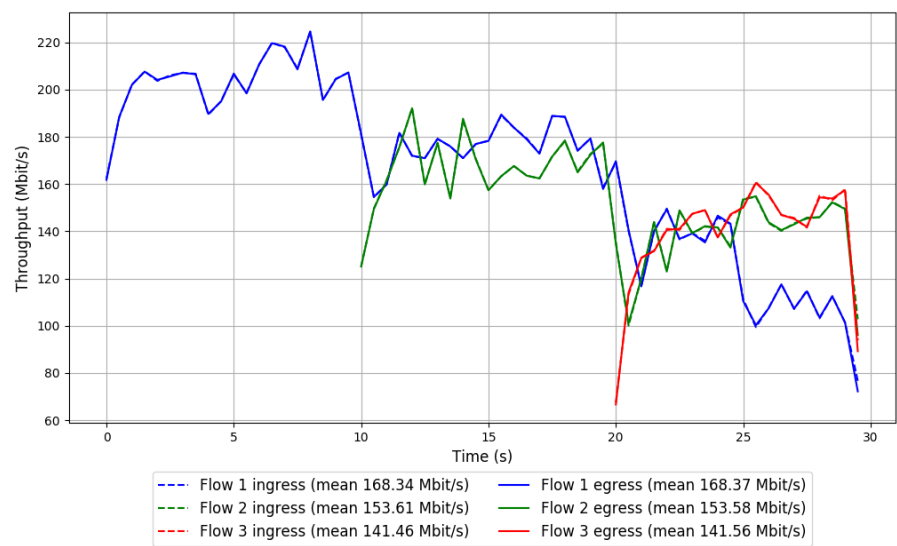
-- Flow 3:

Average throughput: 141.56 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.18%

Run 10: Report of Indigo-1-32 — Data Link

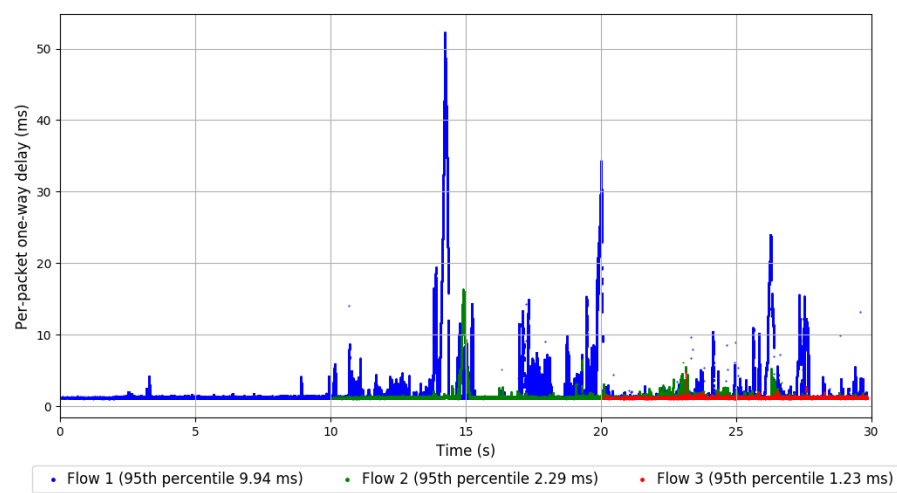
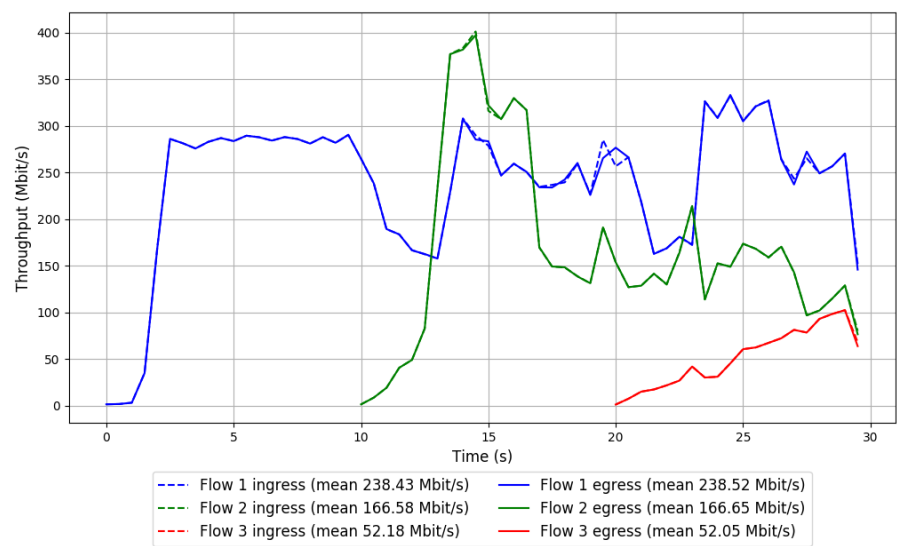


Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 17:21:15
End at: 2018-04-03 17:21:45
Local clock offset: 0.387 ms
Remote clock offset: -3.958 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.24 Mbit/s
95th percentile per-packet one-way delay: 7.411 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 9.944 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 166.65 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 52.05 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.44%

Run 1: Report of Vivace-latency — Data Link

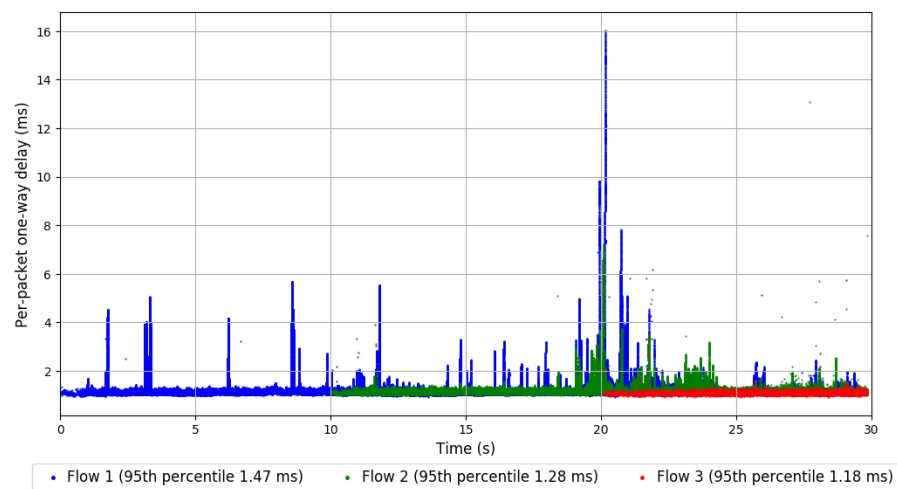
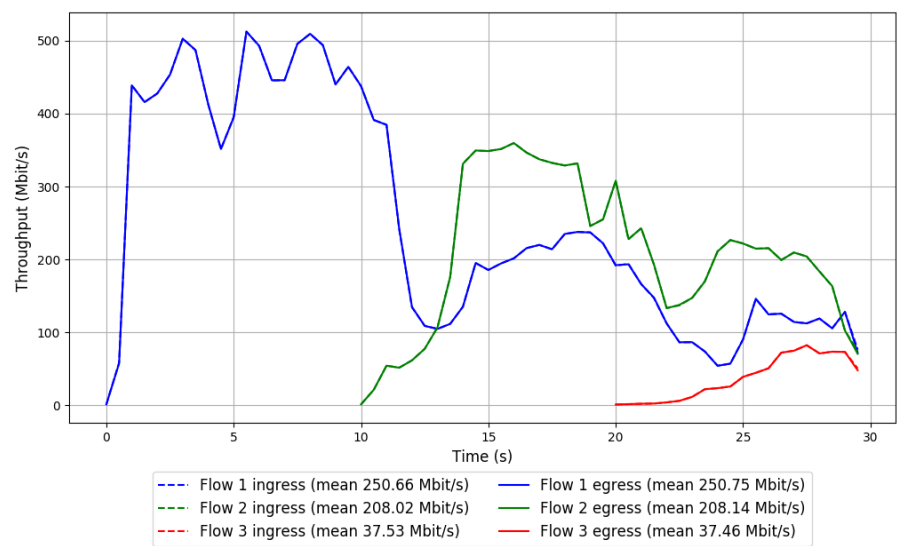


Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 17:50:13
End at: 2018-04-03 17:50:43
Local clock offset: 0.393 ms
Remote clock offset: -4.519 ms

Below is generated by plot.py at 2018-04-04 04:56:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.27 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 250.75 Mbit/s
95th percentile per-packet one-way delay: 1.468 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 208.14 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.37%

Run 2: Report of Vivace-latency — Data Link

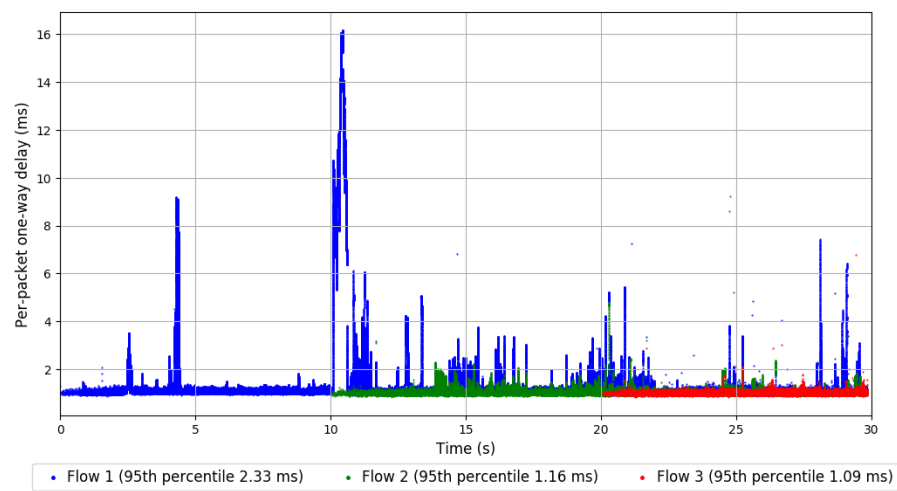
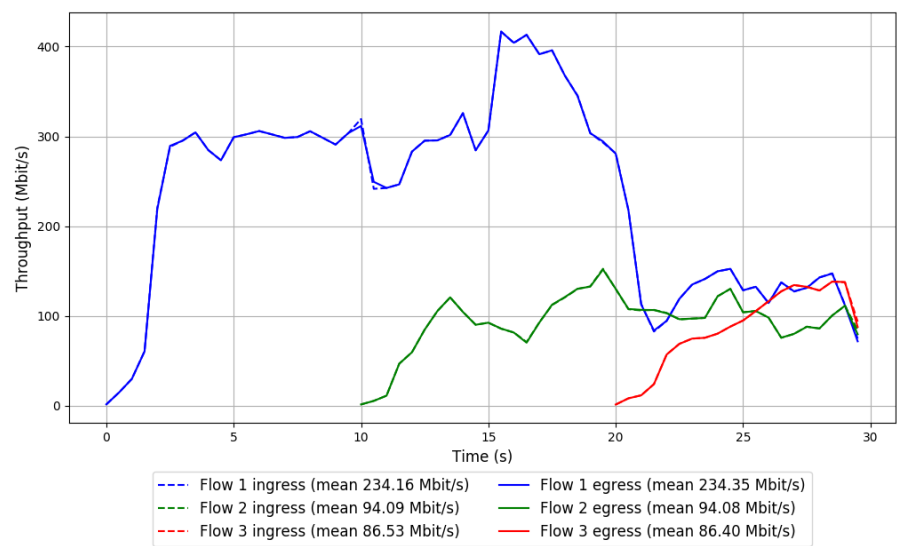


Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 18:19:14
End at: 2018-04-03 18:19:44
Local clock offset: 0.165 ms
Remote clock offset: -6.171 ms

Below is generated by plot.py at 2018-04-04 04:57:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.19 Mbit/s
95th percentile per-packet one-way delay: 1.792 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 234.35 Mbit/s
95th percentile per-packet one-way delay: 2.334 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.35%

Run 3: Report of Vivace-latency — Data Link

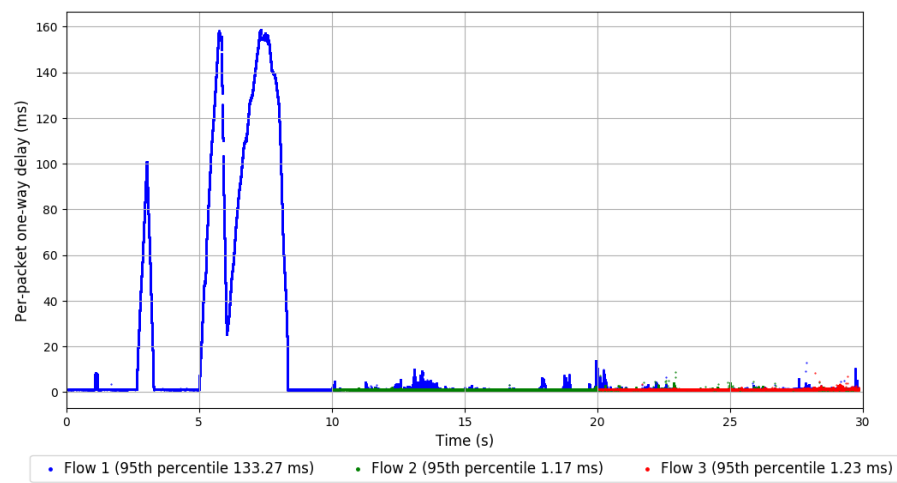
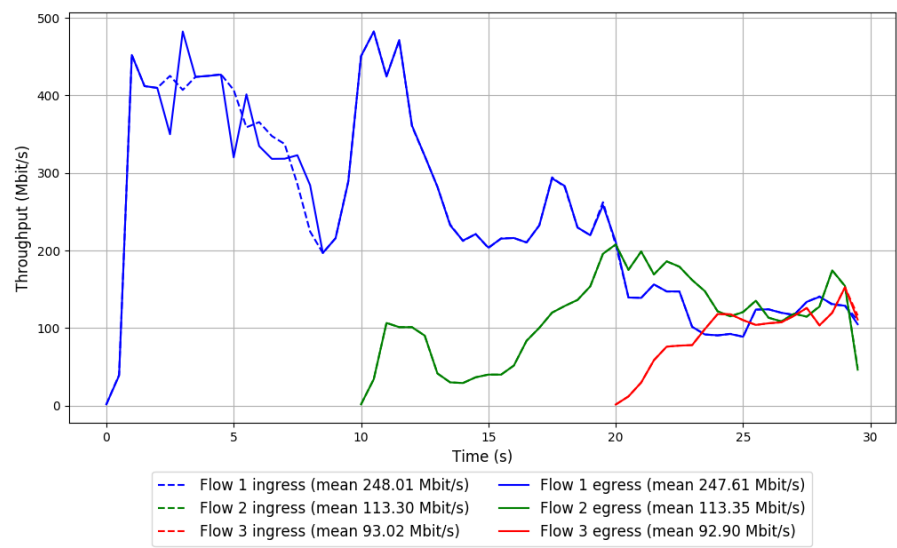


Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 18:48:09
End at: 2018-04-03 18:48:39
Local clock offset: 0.127 ms
Remote clock offset: -6.004 ms

Below is generated by plot.py at 2018-04-04 04:58:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.50 Mbit/s
95th percentile per-packet one-way delay: 114.439 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 247.61 Mbit/s
95th percentile per-packet one-way delay: 133.270 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 113.35 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.31%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 19:17:01

End at: 2018-04-03 19:17:31

Local clock offset: 0.512 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-04-04 04:59:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 385.65 Mbit/s

95th percentile per-packet one-way delay: 85.877 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 258.67 Mbit/s

95th percentile per-packet one-way delay: 120.818 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 148.23 Mbit/s

95th percentile per-packet one-way delay: 44.454 ms

Loss rate: 0.01%

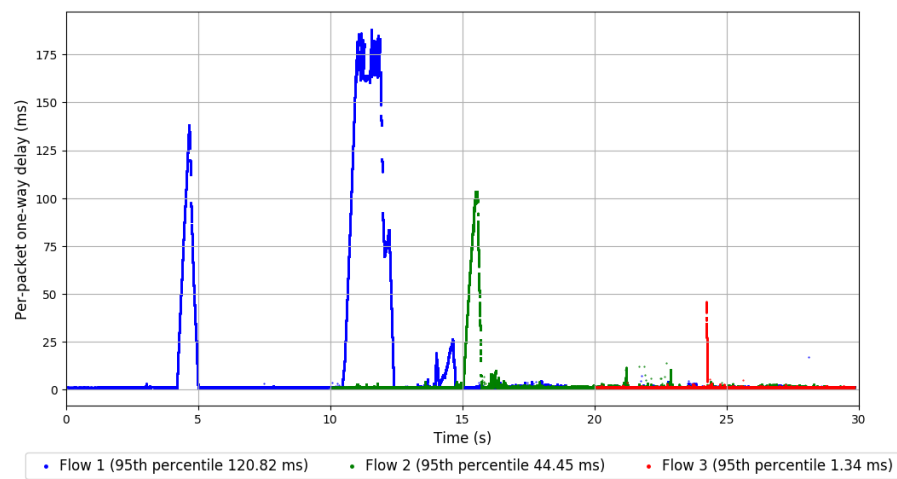
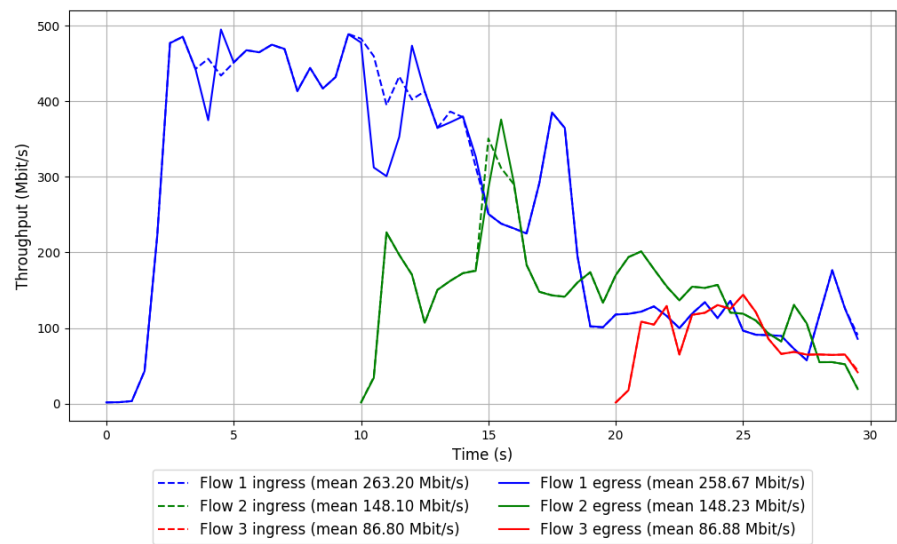
-- Flow 3:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 1.341 ms

Loss rate: 0.15%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 19:45:41

End at: 2018-04-03 19:46:11

Local clock offset: 0.233 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-04-04 04:59:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.01 Mbit/s

95th percentile per-packet one-way delay: 2.943 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 236.98 Mbit/s

95th percentile per-packet one-way delay: 32.022 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 145.68 Mbit/s

95th percentile per-packet one-way delay: 2.152 ms

Loss rate: 0.11%

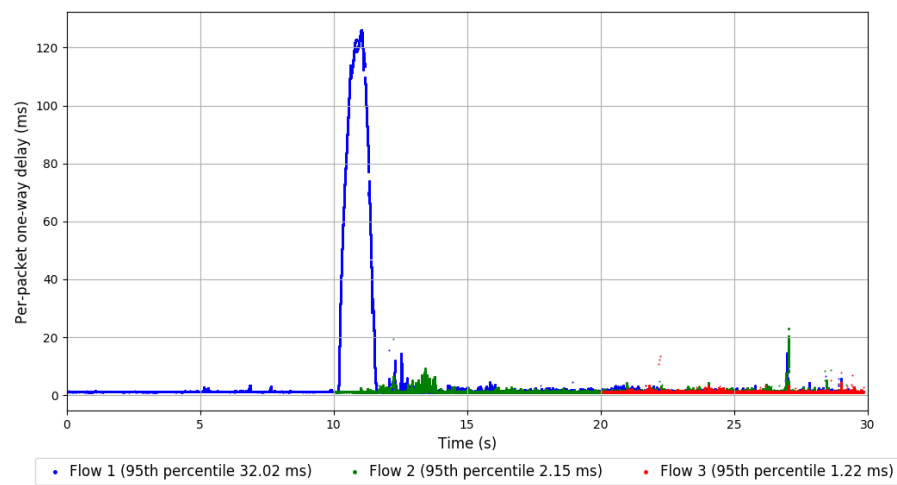
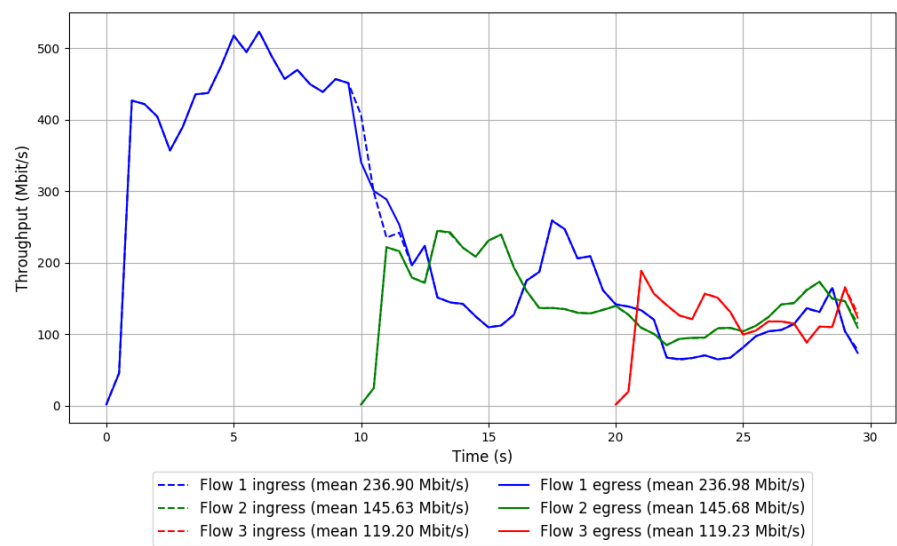
-- Flow 3:

Average throughput: 119.23 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.30%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 20:14:29

End at: 2018-04-03 20:14:59

Local clock offset: -0.194 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2018-04-04 05:01:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.79 Mbit/s

95th percentile per-packet one-way delay: 1.667 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 271.26 Mbit/s

95th percentile per-packet one-way delay: 1.977 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 122.55 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.15%

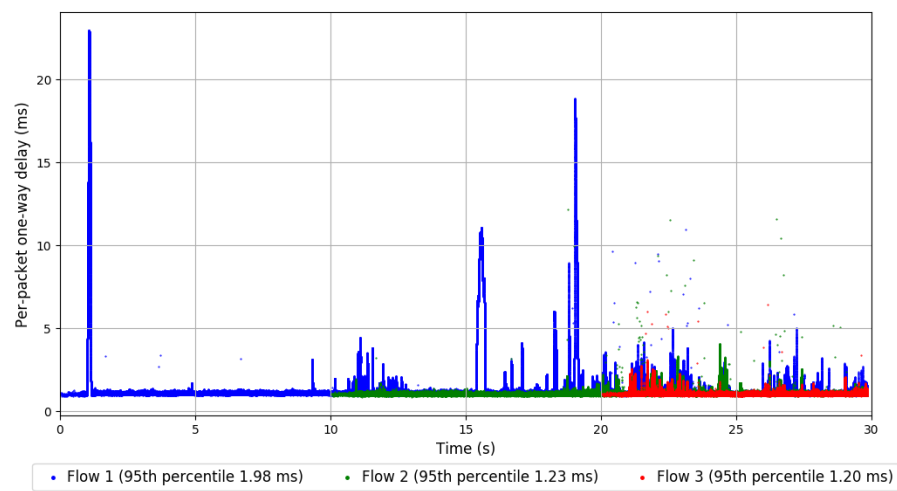
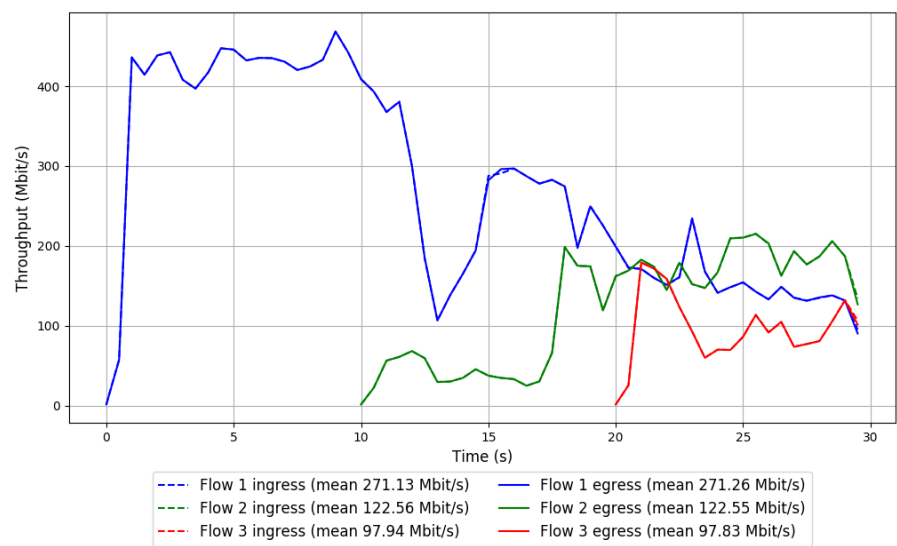
-- Flow 3:

Average throughput: 97.83 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.29%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 20:43:13

End at: 2018-04-03 20:43:43

Local clock offset: 0.075 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-04-04 05:01:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.00 Mbit/s

95th percentile per-packet one-way delay: 70.524 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 257.62 Mbit/s

95th percentile per-packet one-way delay: 77.842 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.15%

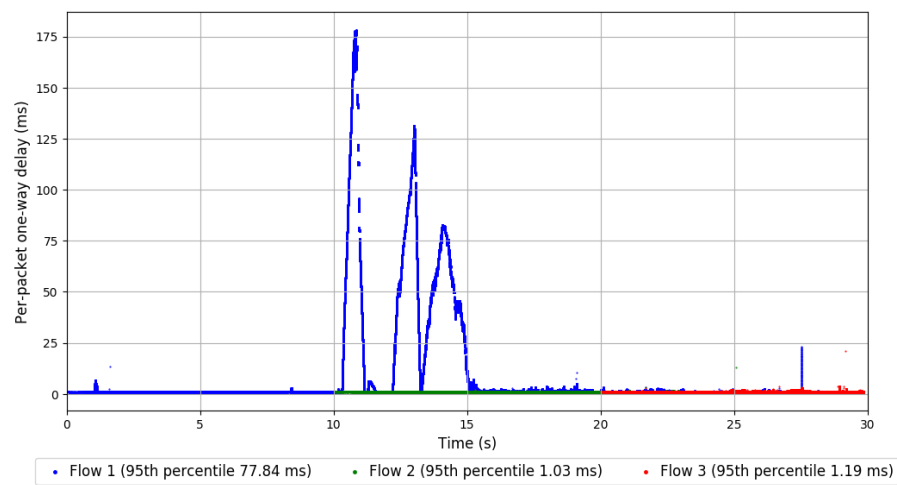
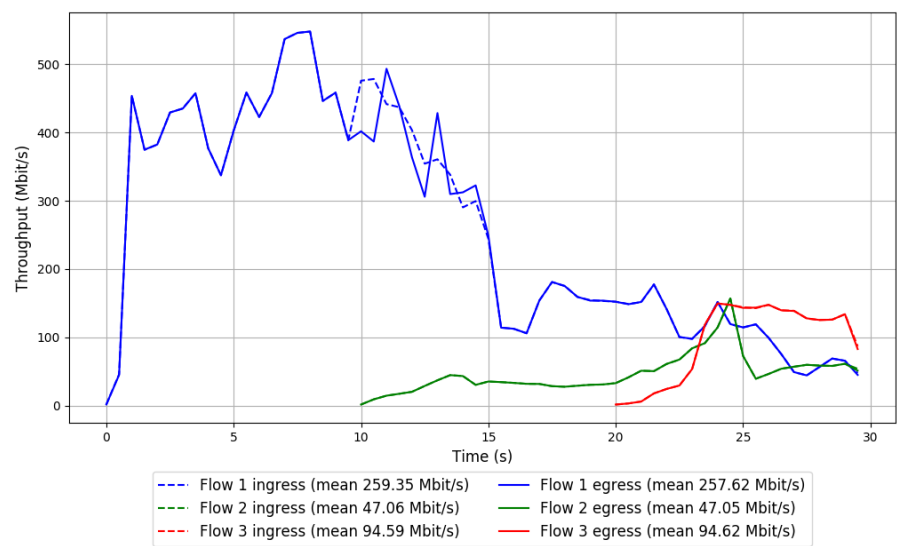
-- Flow 3:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 1.191 ms

Loss rate: 0.23%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 21:11:49

End at: 2018-04-03 21:12:19

Local clock offset: 0.836 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-04-04 05:01:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.55 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 1.333 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 72.65 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.09%

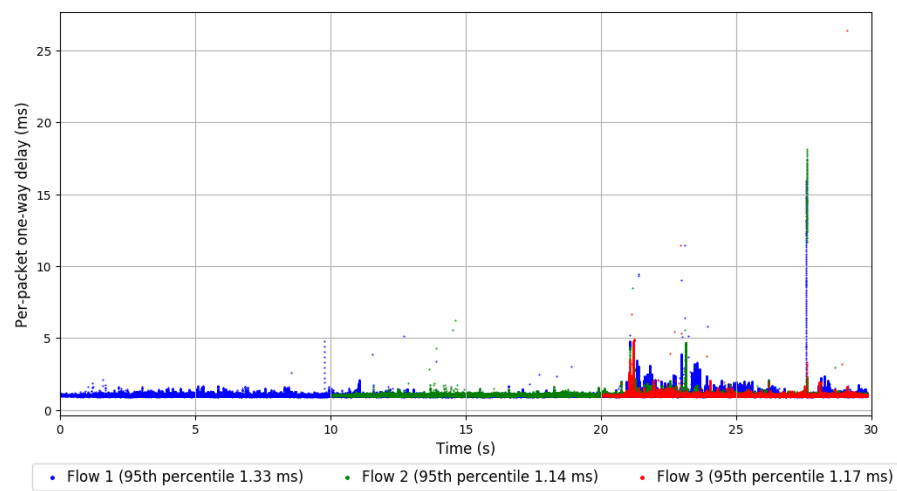
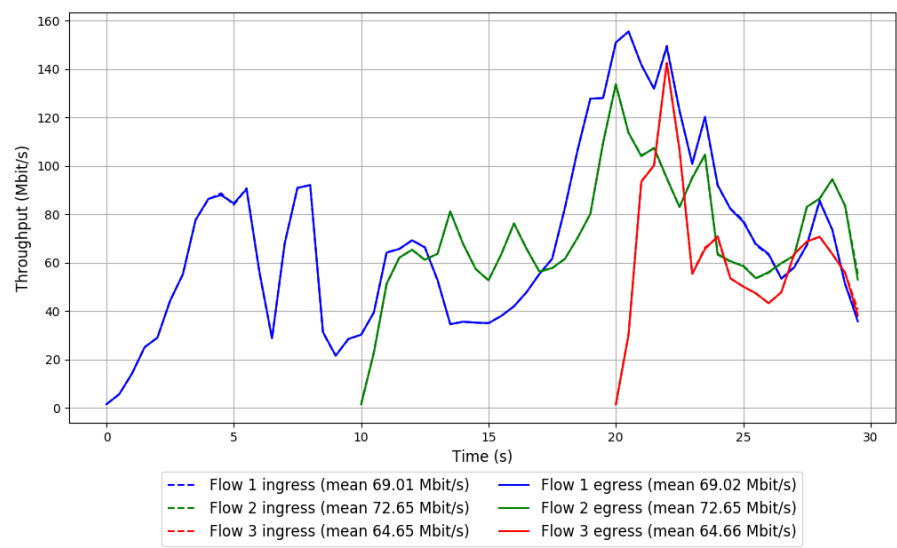
-- Flow 3:

Average throughput: 64.66 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.18%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 21:40:33

End at: 2018-04-03 21:41:03

Local clock offset: 0.972 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2018-04-04 05:01:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.72 Mbit/s

95th percentile per-packet one-way delay: 9.923 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 257.93 Mbit/s

95th percentile per-packet one-way delay: 26.786 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.04%

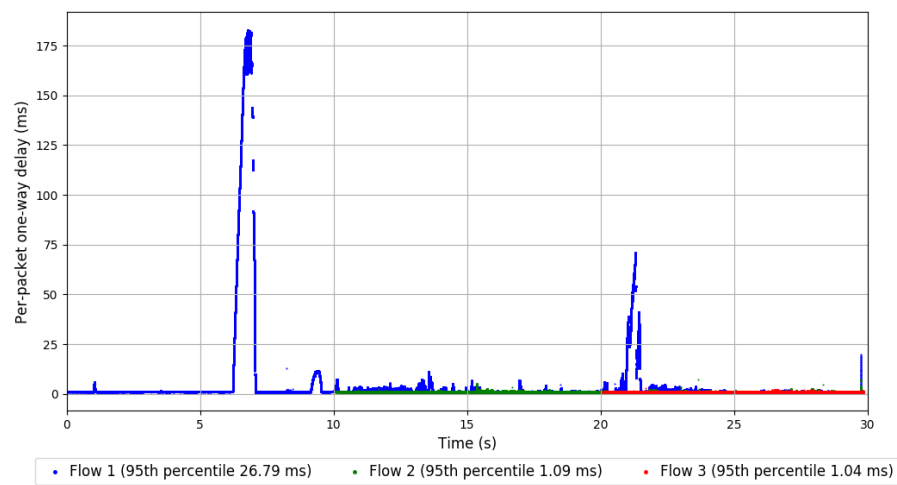
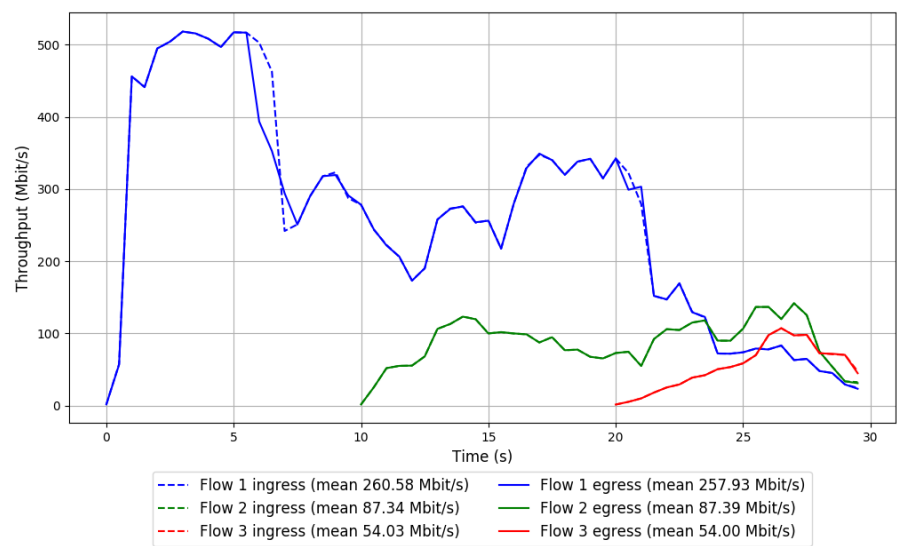
-- Flow 3:

Average throughput: 54.00 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.25%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 17:14:49

End at: 2018-04-03 17:15:19

Local clock offset: 0.382 ms

Remote clock offset: -4.19 ms

Below is generated by plot.py at 2018-04-04 05:04:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 485.09 Mbit/s

95th percentile per-packet one-way delay: 117.818 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 309.19 Mbit/s

95th percentile per-packet one-way delay: 128.829 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 181.15 Mbit/s

95th percentile per-packet one-way delay: 46.039 ms

Loss rate: 0.09%

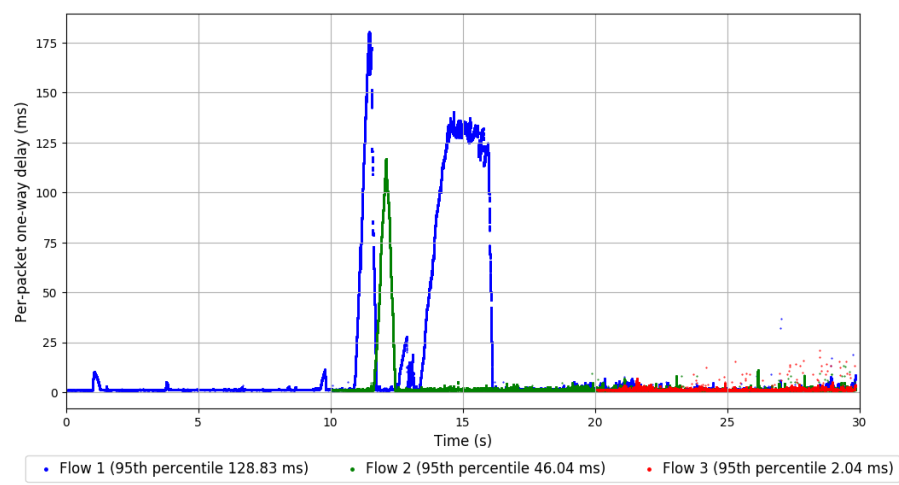
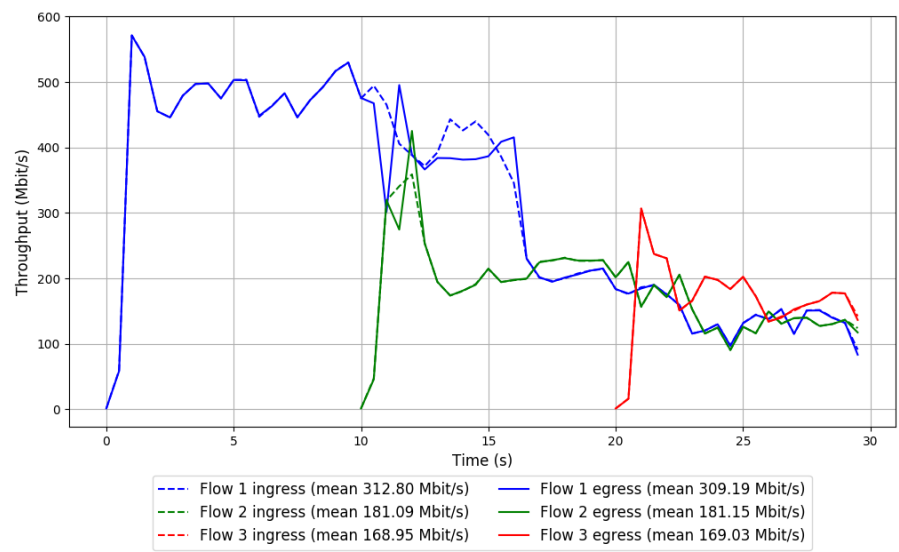
-- Flow 3:

Average throughput: 169.03 Mbit/s

95th percentile per-packet one-way delay: 2.045 ms

Loss rate: 0.17%

Run 1: Report of Vivace-loss — Data Link

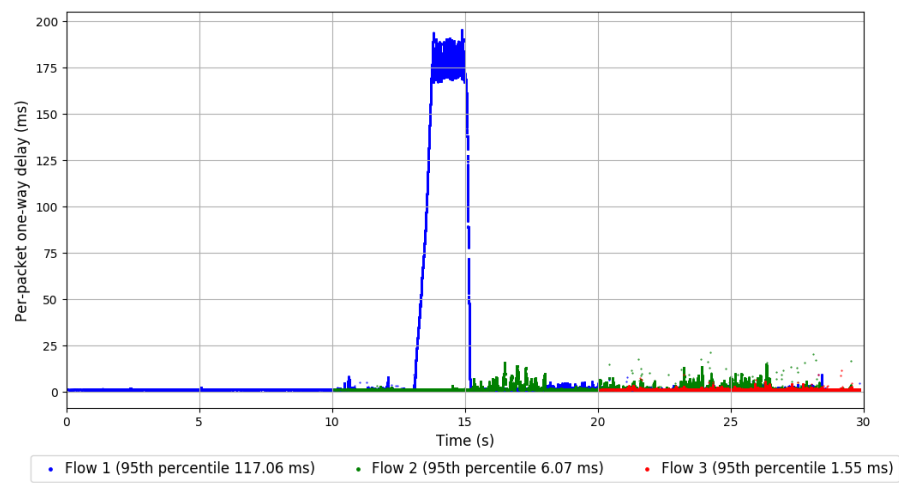
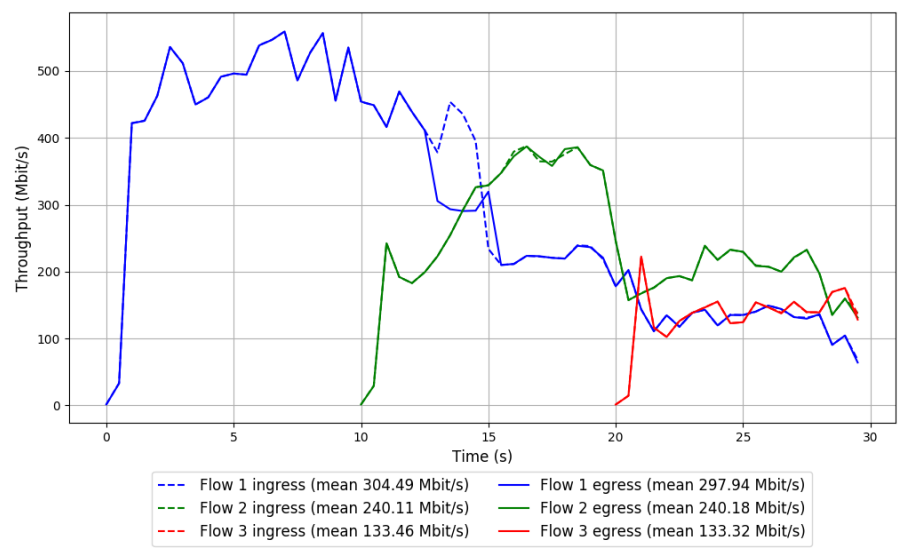


Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 17:43:45
End at: 2018-04-03 17:44:15
Local clock offset: 0.445 ms
Remote clock offset: -4.528 ms

Below is generated by plot.py at 2018-04-04 05:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.24 Mbit/s
95th percentile per-packet one-way delay: 7.897 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 297.94 Mbit/s
95th percentile per-packet one-way delay: 117.060 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 240.18 Mbit/s
95th percentile per-packet one-way delay: 6.066 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 133.32 Mbit/s
95th percentile per-packet one-way delay: 1.550 ms
Loss rate: 0.30%

Run 2: Report of Vivace-loss — Data Link

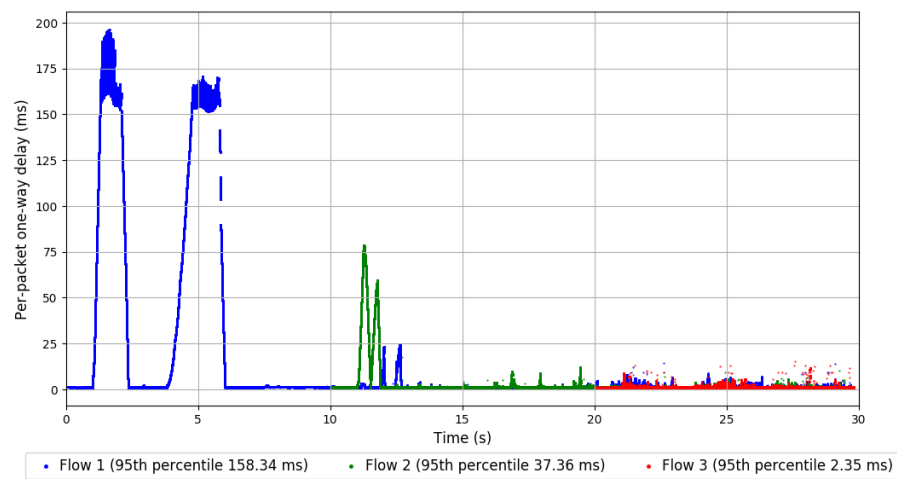
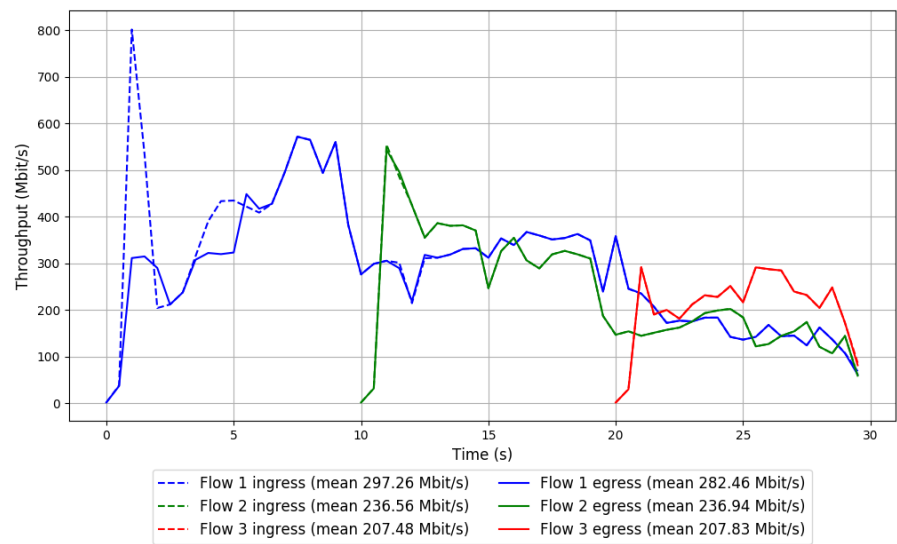


Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 18:12:45
End at: 2018-04-03 18:13:15
Local clock offset: 0.249 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-04-04 05:06:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 508.12 Mbit/s
95th percentile per-packet one-way delay: 98.187 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 282.46 Mbit/s
95th percentile per-packet one-way delay: 158.335 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 236.94 Mbit/s
95th percentile per-packet one-way delay: 37.364 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.14%

Run 3: Report of Vivace-loss — Data Link

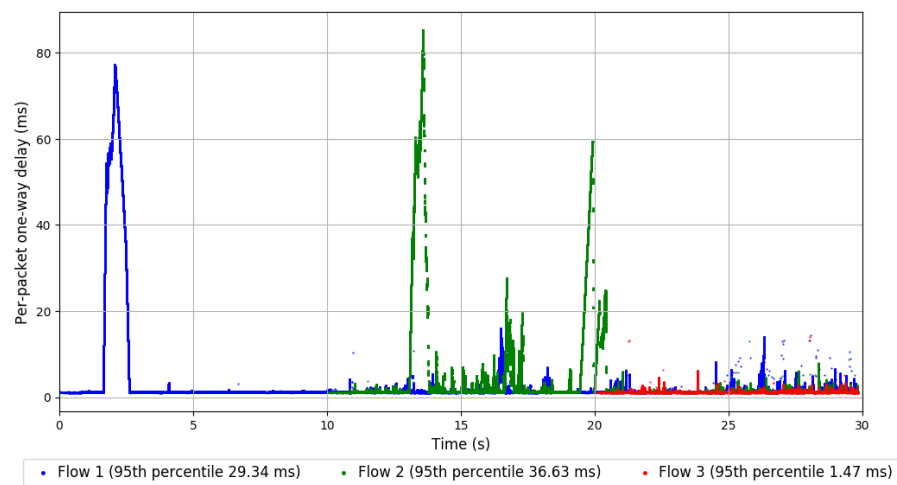
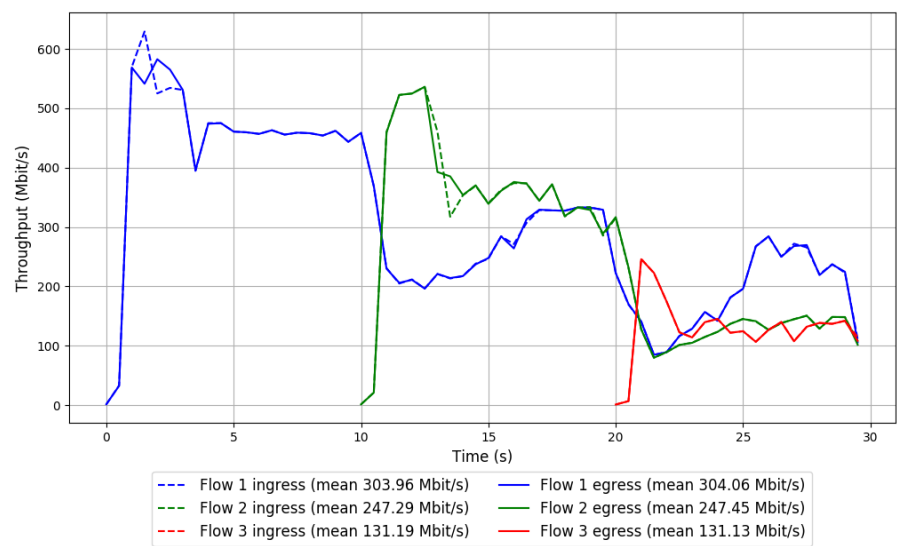


Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 18:41:43
End at: 2018-04-03 18:42:13
Local clock offset: 0.044 ms
Remote clock offset: -6.121 ms

Below is generated by plot.py at 2018-04-04 05:07:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.24 Mbit/s
95th percentile per-packet one-way delay: 28.510 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 304.06 Mbit/s
95th percentile per-packet one-way delay: 29.337 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 247.45 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 131.13 Mbit/s
95th percentile per-packet one-way delay: 1.468 ms
Loss rate: 0.27%

Run 4: Report of Vivace-loss — Data Link

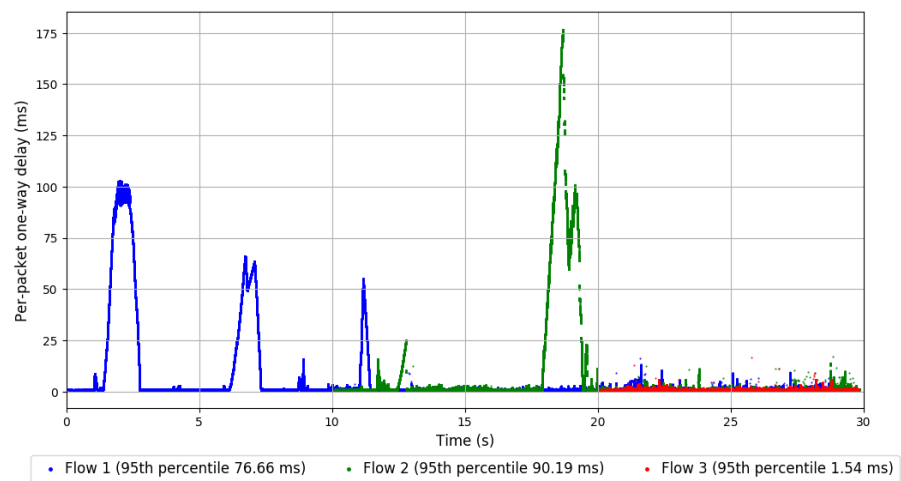
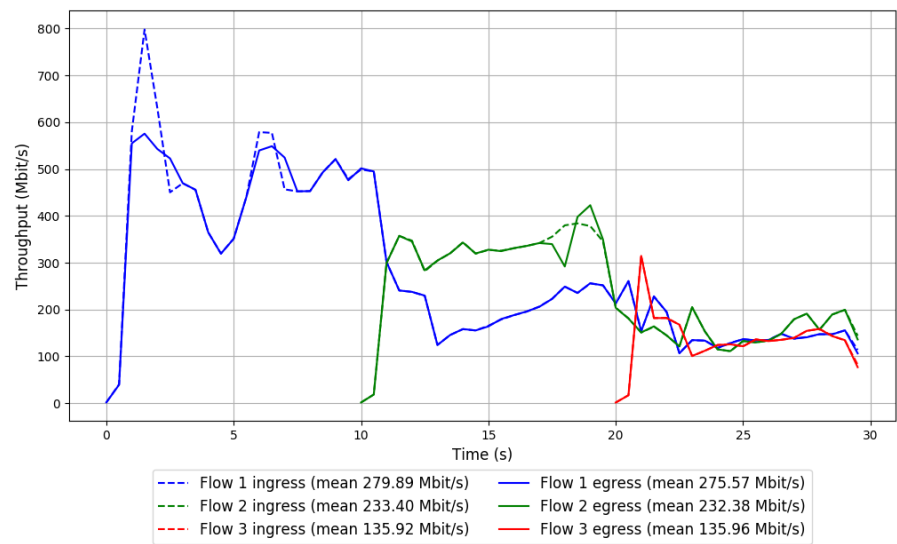


Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 19:10:41
End at: 2018-04-03 19:11:11
Local clock offset: 0.416 ms
Remote clock offset: -5.612 ms

Below is generated by plot.py at 2018-04-04 05:07:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.24 Mbit/s
95th percentile per-packet one-way delay: 78.074 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 275.57 Mbit/s
95th percentile per-packet one-way delay: 76.659 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 232.38 Mbit/s
95th percentile per-packet one-way delay: 90.186 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 135.96 Mbit/s
95th percentile per-packet one-way delay: 1.545 ms
Loss rate: 0.21%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 19:39:25

End at: 2018-04-03 19:39:55

Local clock offset: 0.332 ms

Remote clock offset: 0.415 ms

Below is generated by plot.py at 2018-04-04 05:08:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 458.49 Mbit/s

95th percentile per-packet one-way delay: 133.024 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 275.87 Mbit/s

95th percentile per-packet one-way delay: 136.657 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 199.53 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.20%

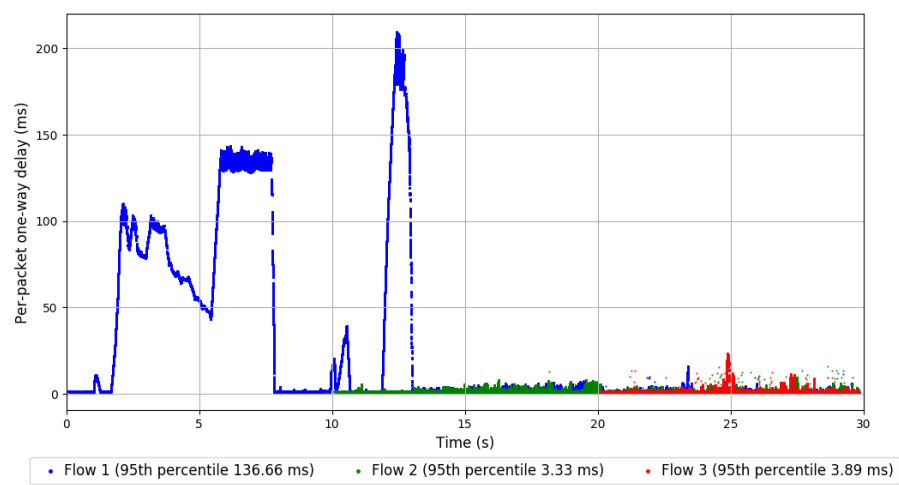
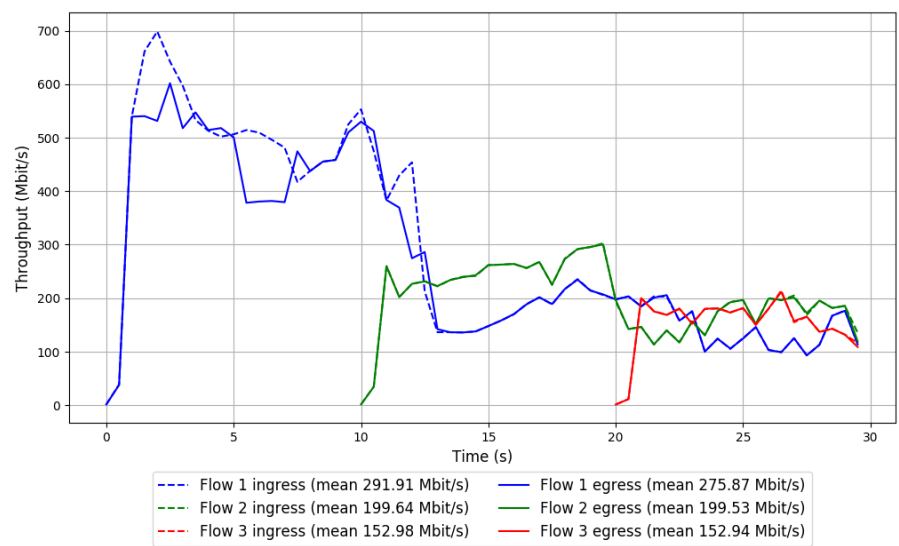
-- Flow 3:

Average throughput: 152.94 Mbit/s

95th percentile per-packet one-way delay: 3.894 ms

Loss rate: 0.26%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 20:08:02

End at: 2018-04-03 20:08:32

Local clock offset: -0.147 ms

Remote clock offset: 0.486 ms

Below is generated by plot.py at 2018-04-04 05:08:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.76 Mbit/s

95th percentile per-packet one-way delay: 3.481 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 312.39 Mbit/s

95th percentile per-packet one-way delay: 5.355 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 184.95 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.06%

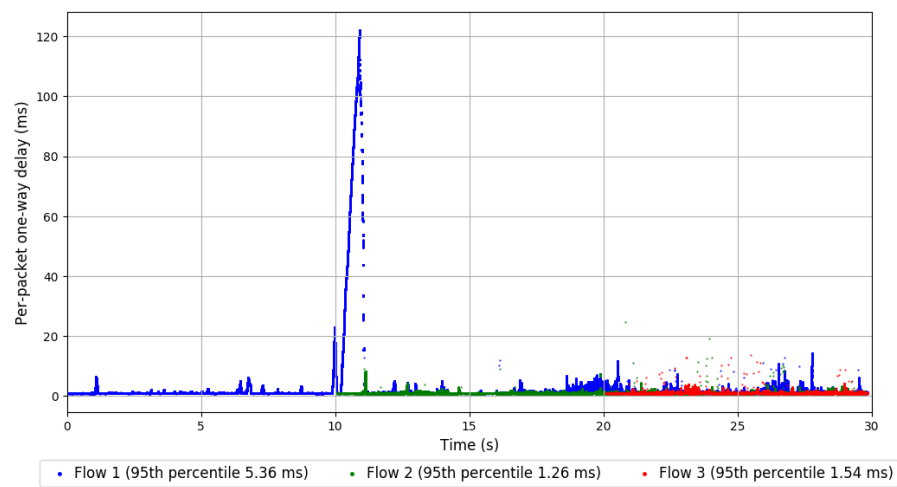
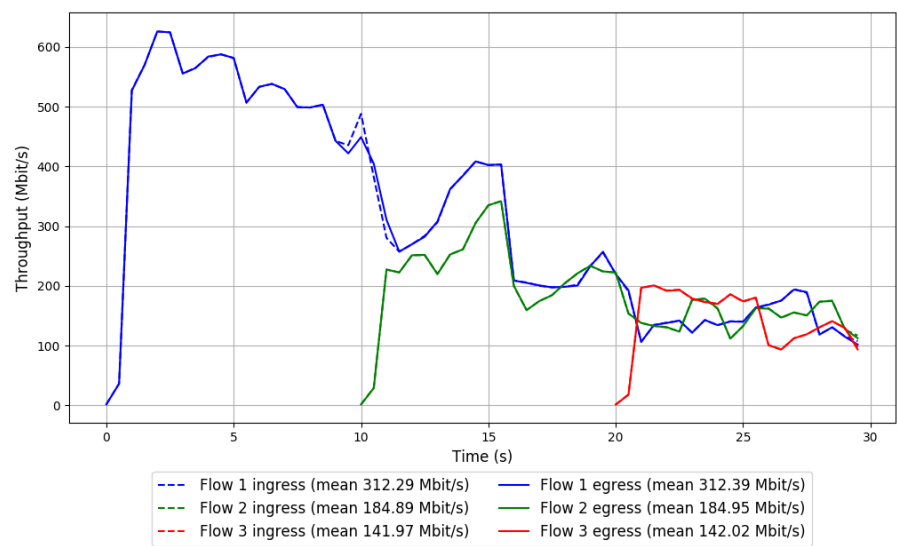
-- Flow 3:

Average throughput: 142.02 Mbit/s

95th percentile per-packet one-way delay: 1.537 ms

Loss rate: 0.15%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 20:36:52

End at: 2018-04-03 20:37:22

Local clock offset: -0.275 ms

Remote clock offset: 0.486 ms

Below is generated by plot.py at 2018-04-04 05:09:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 525.59 Mbit/s

95th percentile per-packet one-way delay: 65.246 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 326.52 Mbit/s

95th percentile per-packet one-way delay: 83.026 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 233.15 Mbit/s

95th percentile per-packet one-way delay: 48.328 ms

Loss rate: 0.12%

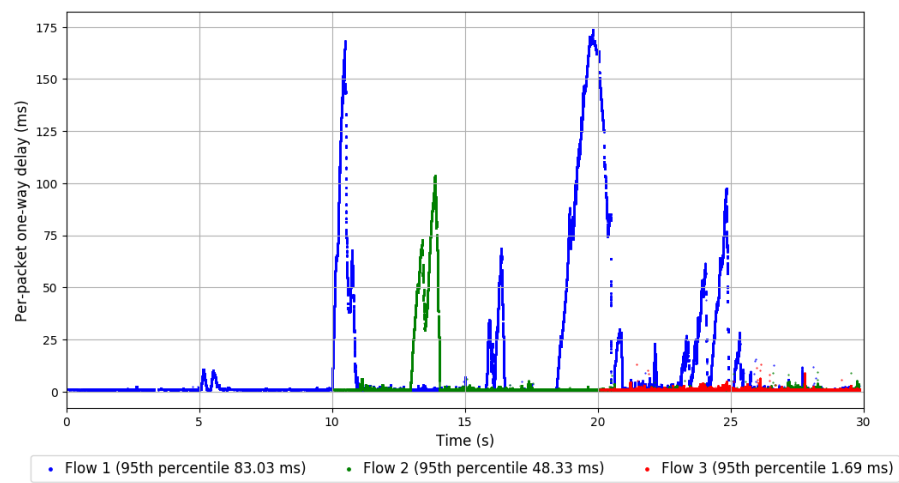
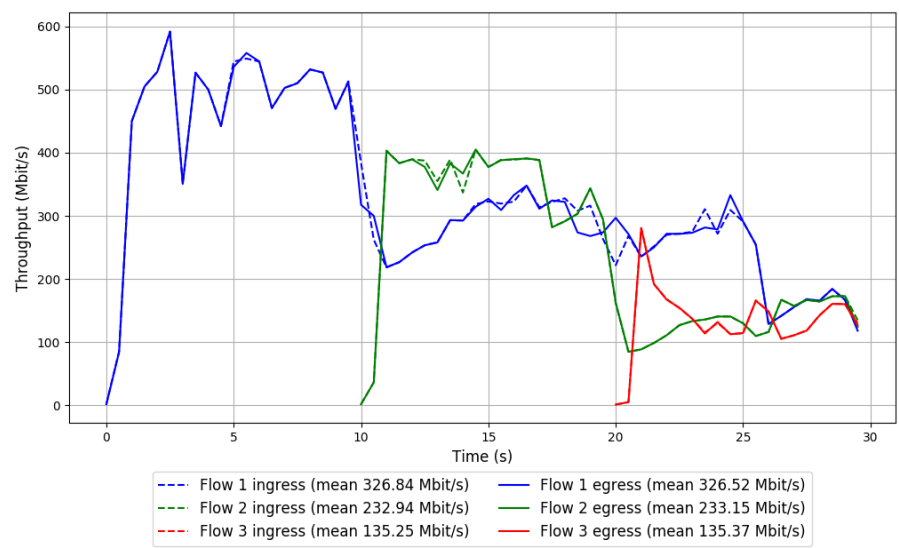
-- Flow 3:

Average throughput: 135.37 Mbit/s

95th percentile per-packet one-way delay: 1.694 ms

Loss rate: 0.13%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 21:05:26

End at: 2018-04-03 21:05:56

Local clock offset: 0.665 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-04-04 05:12:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.84 Mbit/s

95th percentile per-packet one-way delay: 2.799 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 315.80 Mbit/s

95th percentile per-packet one-way delay: 3.787 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 1.488 ms

Loss rate: 0.03%

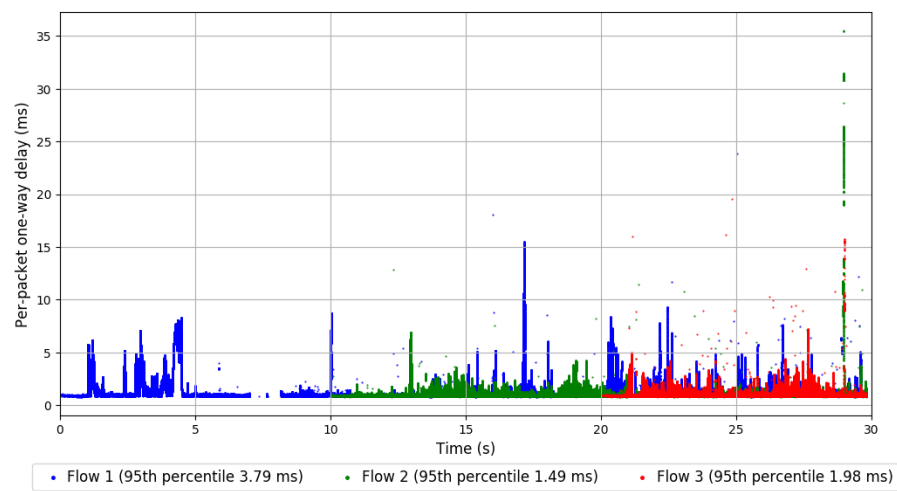
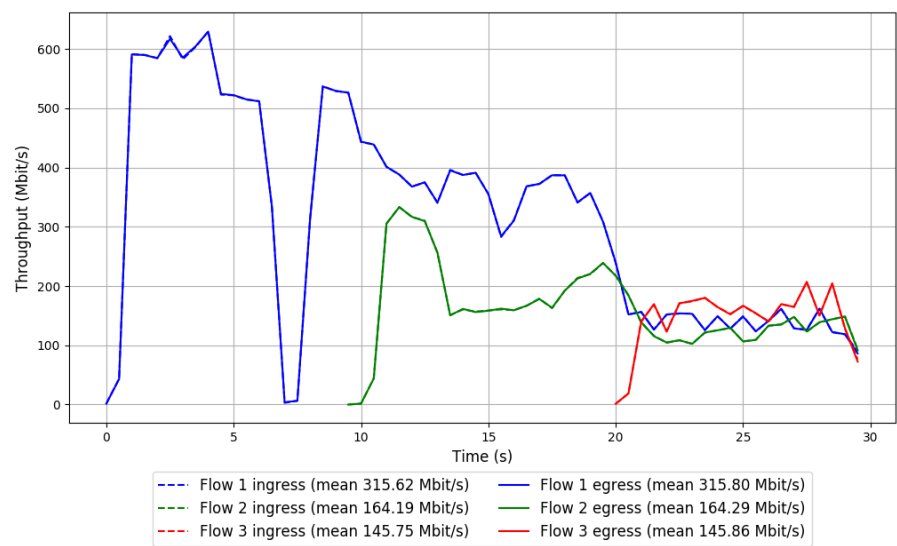
-- Flow 3:

Average throughput: 145.86 Mbit/s

95th percentile per-packet one-way delay: 1.977 ms

Loss rate: 0.13%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 21:34:04

End at: 2018-04-03 21:34:34

Local clock offset: 0.925 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-04-04 05:14:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.66 Mbit/s

95th percentile per-packet one-way delay: 110.451 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 310.27 Mbit/s

95th percentile per-packet one-way delay: 156.185 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 204.35 Mbit/s

95th percentile per-packet one-way delay: 3.310 ms

Loss rate: 0.07%

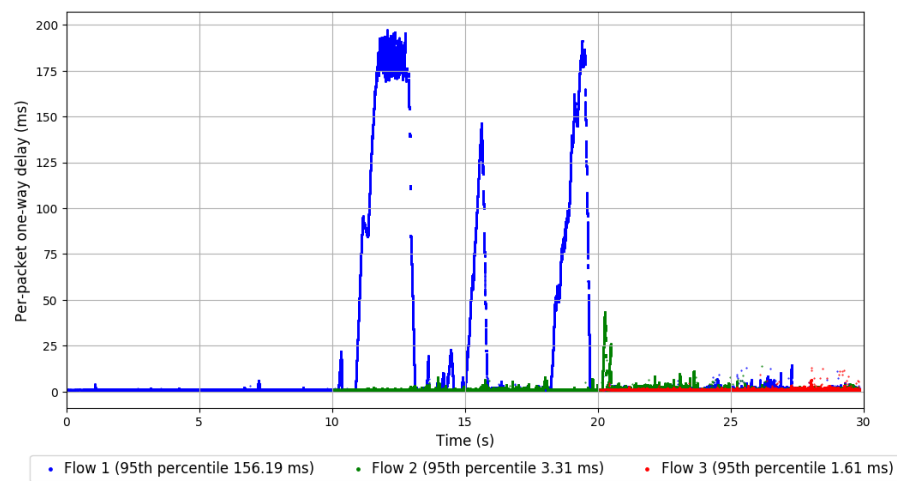
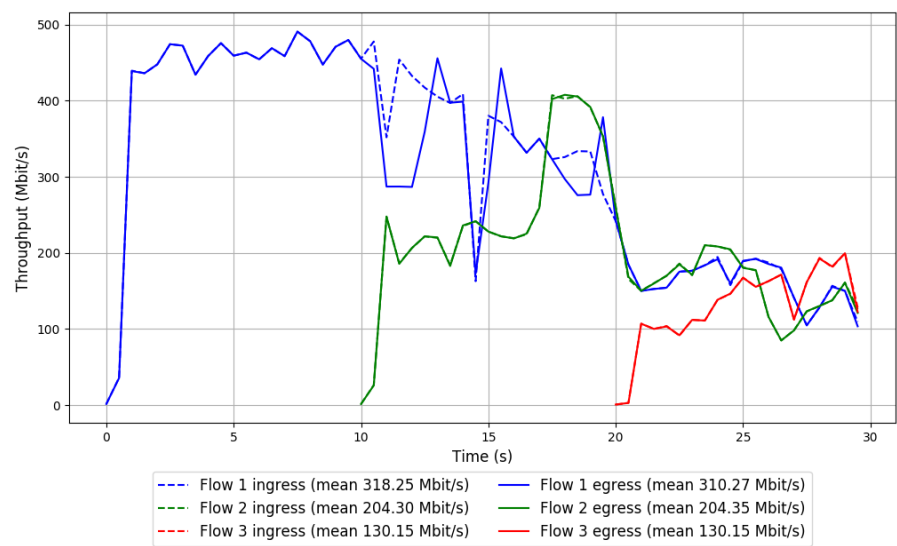
-- Flow 3:

Average throughput: 130.15 Mbit/s

95th percentile per-packet one-way delay: 1.610 ms

Loss rate: 0.23%

Run 10: Report of Vivace-loss — Data Link

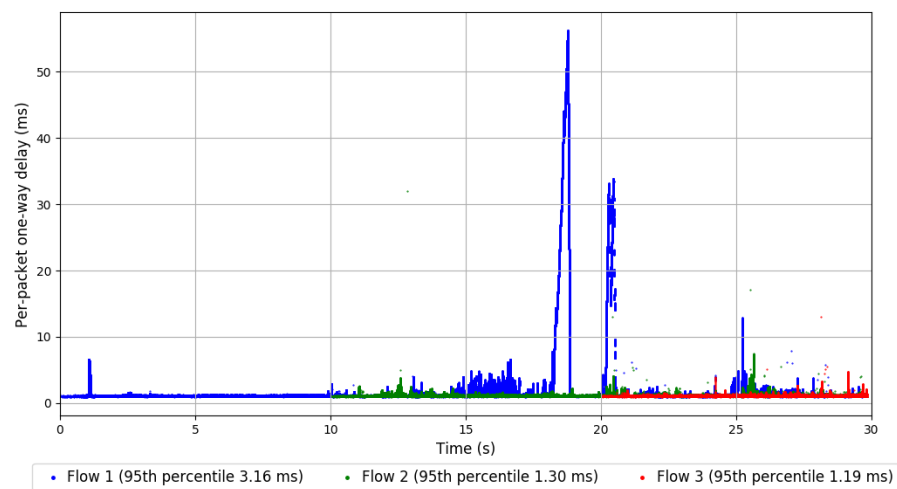
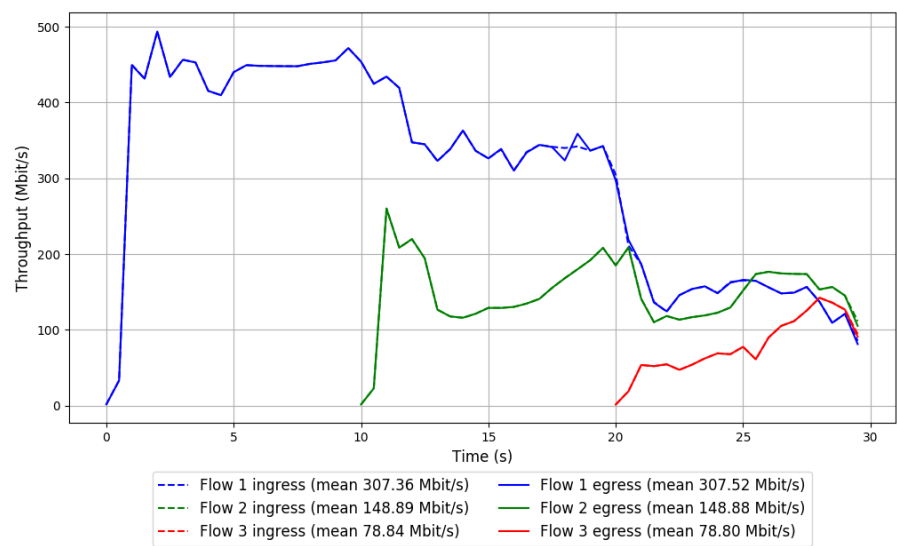


Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 17:22:52
End at: 2018-04-03 17:23:22
Local clock offset: 0.277 ms
Remote clock offset: -3.915 ms

Below is generated by plot.py at 2018-04-04 05:14:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.28 Mbit/s
95th percentile per-packet one-way delay: 2.191 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 307.52 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 148.88 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.25%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 17:51:53

End at: 2018-04-03 17:52:23

Local clock offset: 0.346 ms

Remote clock offset: -4.5 ms

Below is generated by plot.py at 2018-04-04 05:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.75 Mbit/s

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

Loss rate: 0.72%

-- Flow 1:

Average throughput: 294.01 Mbit/s

95th percentile per-packet one-way delay: 135.462 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 226.97 Mbit/s

95th percentile per-packet one-way delay: 3.707 ms

Loss rate: 0.07%

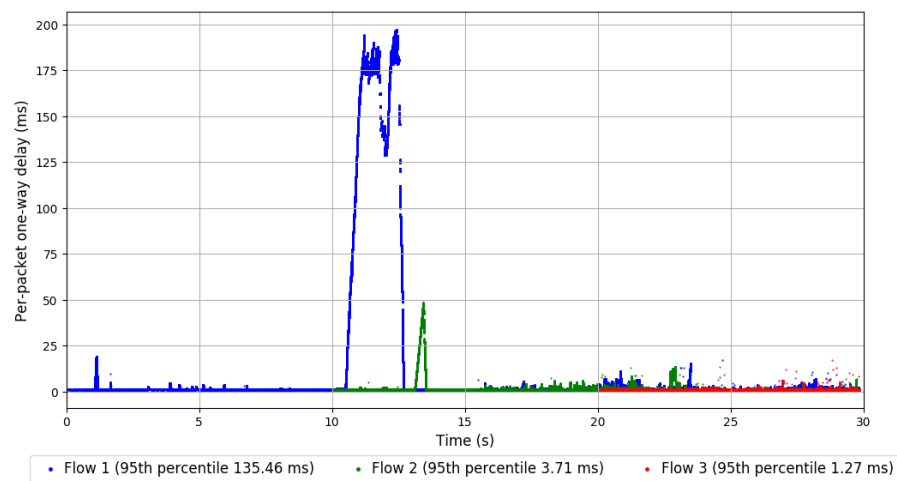
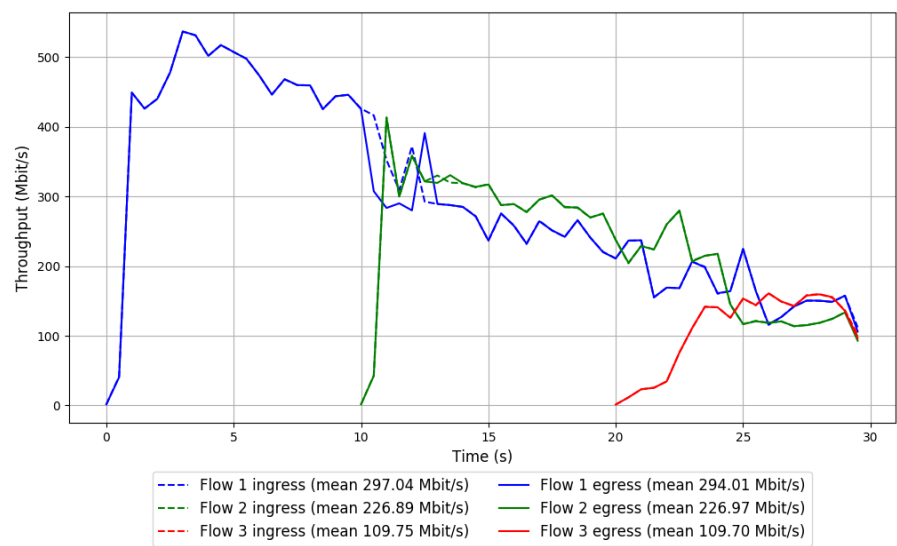
-- Flow 3:

Average throughput: 109.70 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.27%

Run 2: Report of Vivace-LTE — Data Link

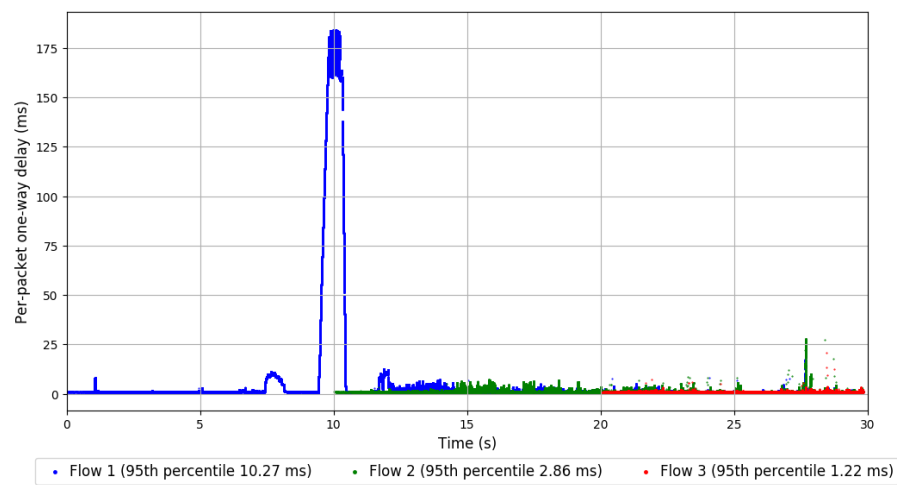
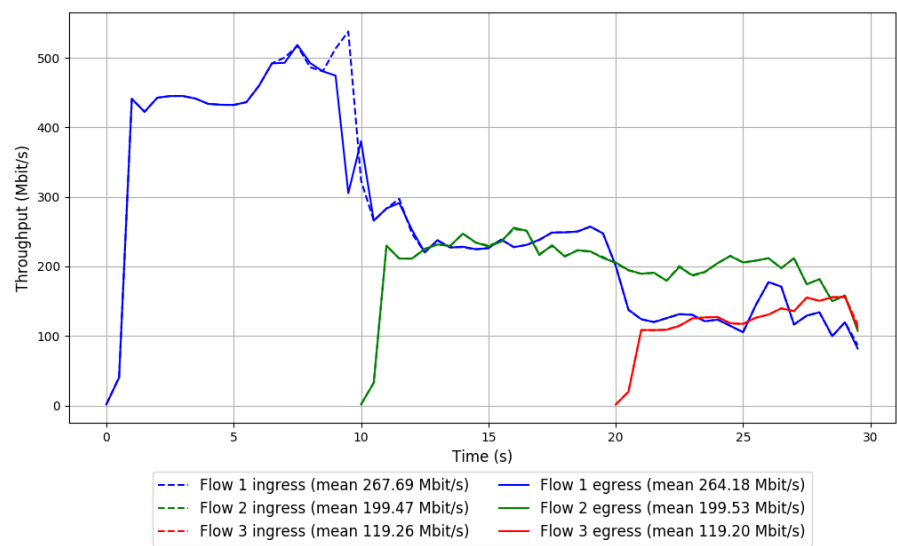


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 18:20:49
End at: 2018-04-03 18:21:19
Local clock offset: 0.049 ms
Remote clock offset: -6.293 ms

Below is generated by plot.py at 2018-04-04 05:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.88 Mbit/s
95th percentile per-packet one-way delay: 8.229 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 264.18 Mbit/s
95th percentile per-packet one-way delay: 10.267 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 199.53 Mbit/s
95th percentile per-packet one-way delay: 2.862 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 119.20 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.25%

Run 3: Report of Vivace-LTE — Data Link

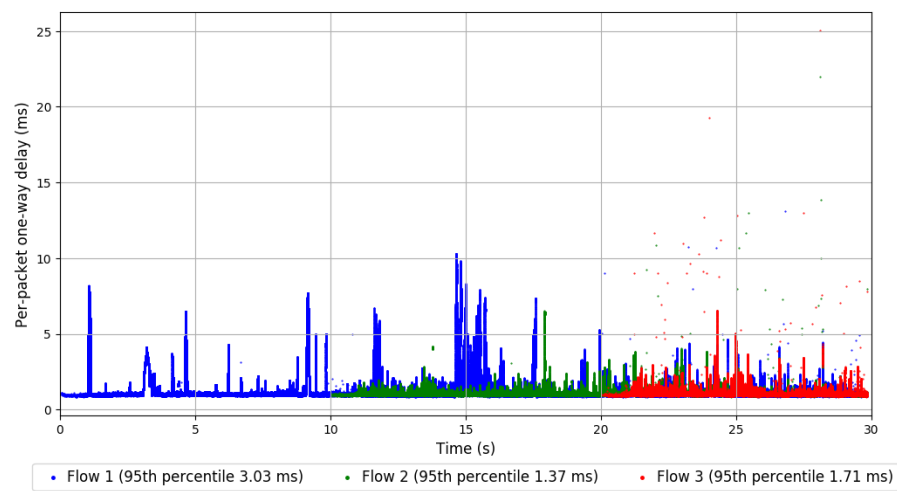
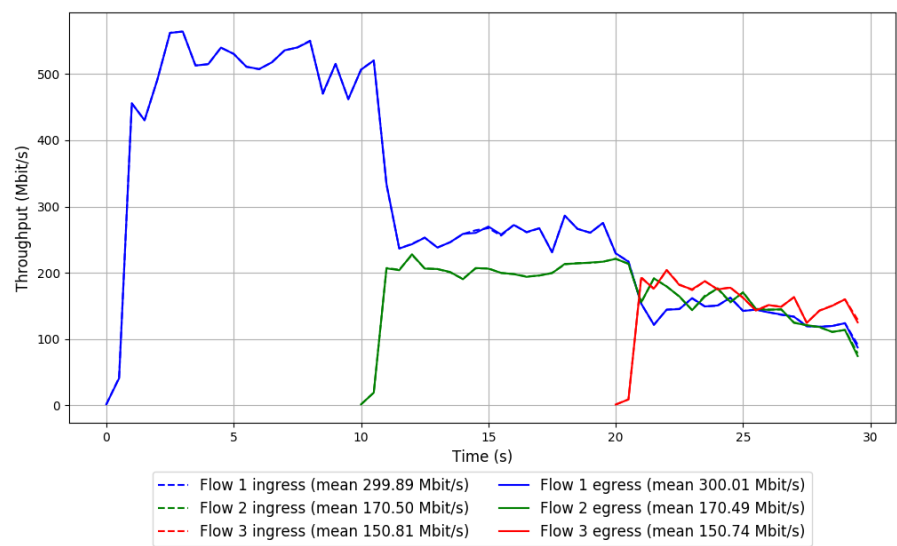


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 18:49:46
End at: 2018-04-03 18:50:16
Local clock offset: 0.065 ms
Remote clock offset: -5.997 ms

Below is generated by plot.py at 2018-04-04 05:15:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.59 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 300.01 Mbit/s
95th percentile per-packet one-way delay: 3.032 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 170.49 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.74 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.16%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 19:18:40

End at: 2018-04-03 19:19:10

Local clock offset: 0.555 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-04-04 05:15:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.74 Mbit/s

95th percentile per-packet one-way delay: 2.115 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 268.11 Mbit/s

95th percentile per-packet one-way delay: 2.246 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 164.28 Mbit/s

95th percentile per-packet one-way delay: 1.791 ms

Loss rate: 0.09%

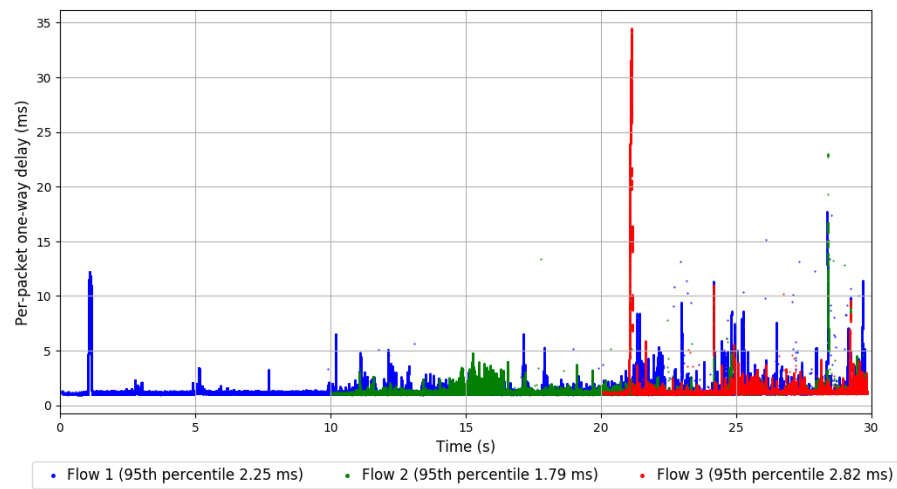
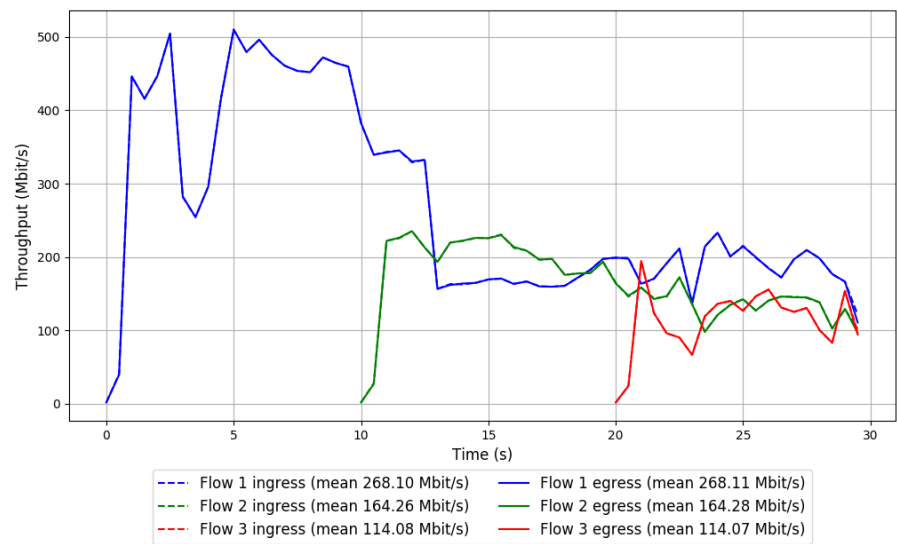
-- Flow 3:

Average throughput: 114.07 Mbit/s

95th percentile per-packet one-way delay: 2.817 ms

Loss rate: 0.17%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 19:47:19

End at: 2018-04-03 19:47:49

Local clock offset: 0.234 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-04-04 05:16:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.31 Mbit/s

95th percentile per-packet one-way delay: 51.653 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 252.50 Mbit/s

95th percentile per-packet one-way delay: 86.449 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 217.45 Mbit/s

95th percentile per-packet one-way delay: 4.204 ms

Loss rate: 0.05%

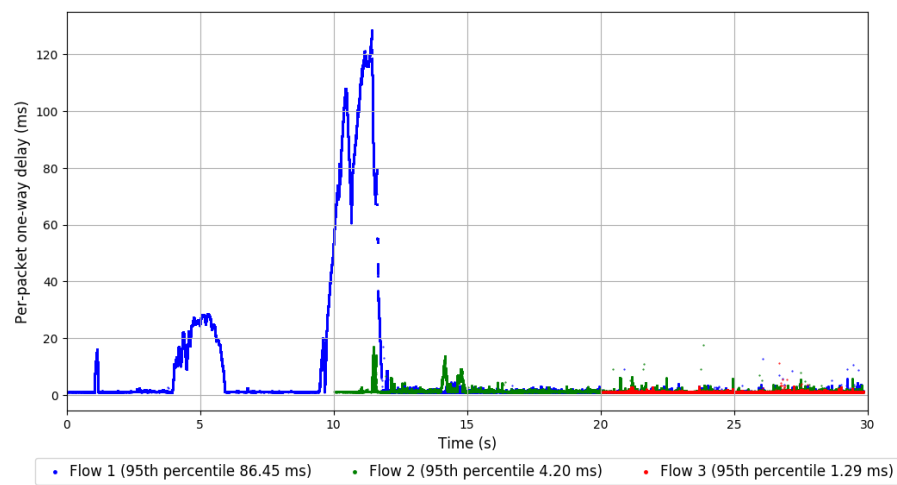
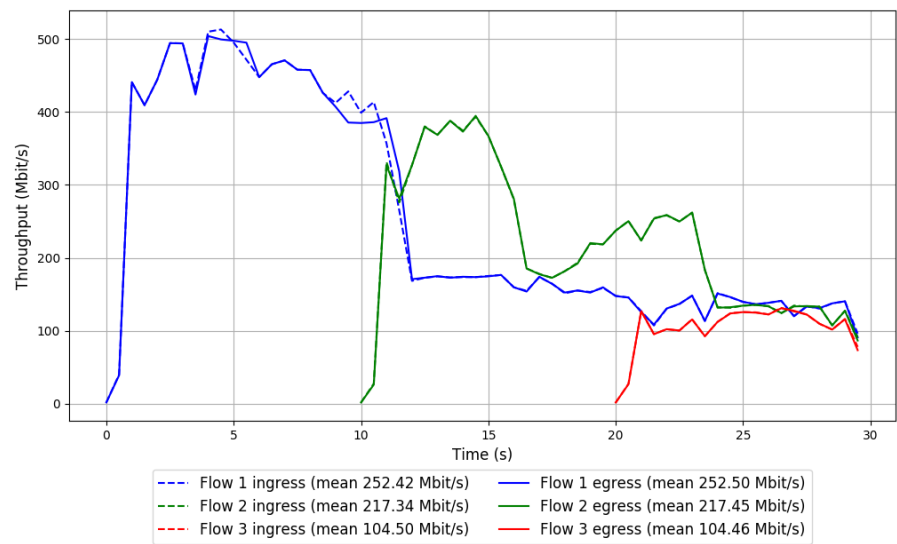
-- Flow 3:

Average throughput: 104.46 Mbit/s

95th percentile per-packet one-way delay: 1.289 ms

Loss rate: 0.24%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 20:16:08

End at: 2018-04-03 20:16:38

Local clock offset: -0.172 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2018-04-04 05:16:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.53 Mbit/s

95th percentile per-packet one-way delay: 1.897 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 259.36 Mbit/s

95th percentile per-packet one-way delay: 2.702 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 151.28 Mbit/s

95th percentile per-packet one-way delay: 1.590 ms

Loss rate: 0.06%

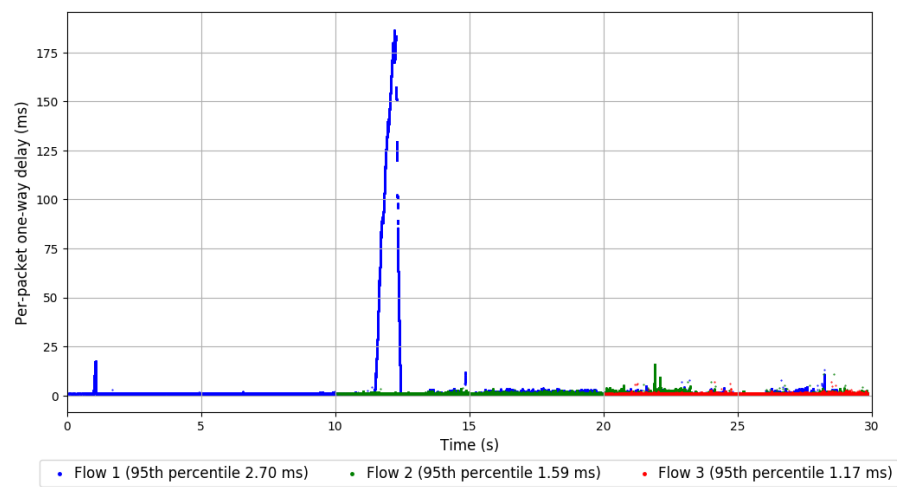
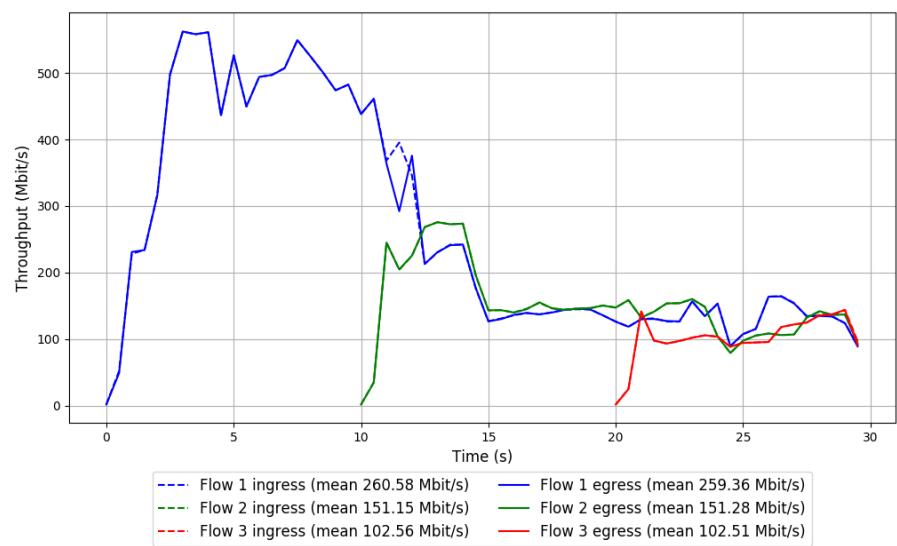
-- Flow 3:

Average throughput: 102.51 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.30%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 20:44:48

End at: 2018-04-03 20:45:18

Local clock offset: 0.267 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-04-04 05:17:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.09 Mbit/s

95th percentile per-packet one-way delay: 2.200 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 298.27 Mbit/s

95th percentile per-packet one-way delay: 3.416 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 132.50 Mbit/s

95th percentile per-packet one-way delay: 1.253 ms

Loss rate: 0.08%

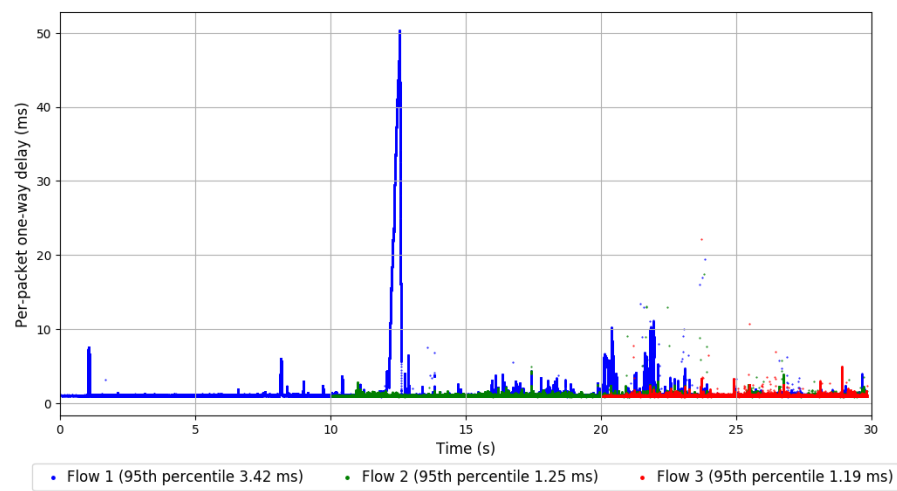
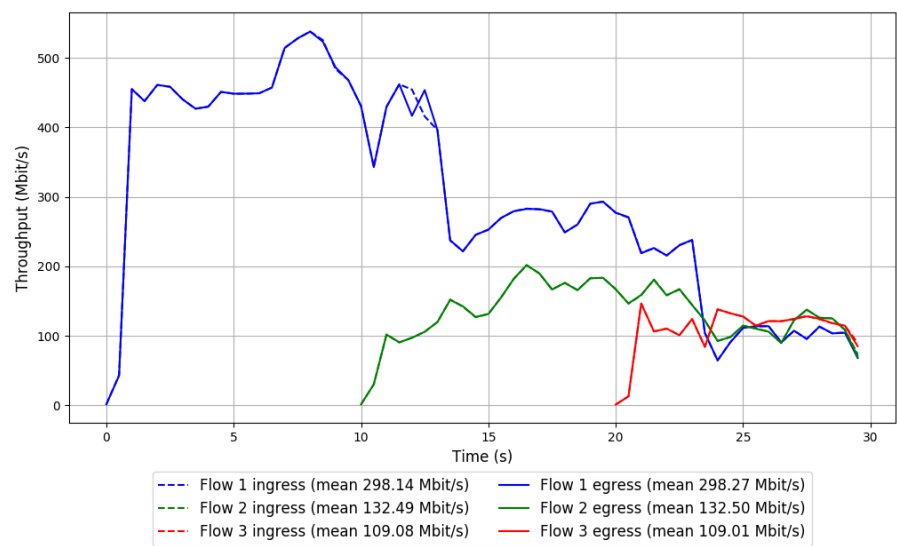
-- Flow 3:

Average throughput: 109.01 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.23%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 21:13:15

End at: 2018-04-03 21:13:45

Local clock offset: 0.814 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-04-04 05:17:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.43 Mbit/s

95th percentile per-packet one-way delay: 45.071 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 334.34 Mbit/s

95th percentile per-packet one-way delay: 59.112 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 160.20 Mbit/s

95th percentile per-packet one-way delay: 1.939 ms

Loss rate: 0.08%

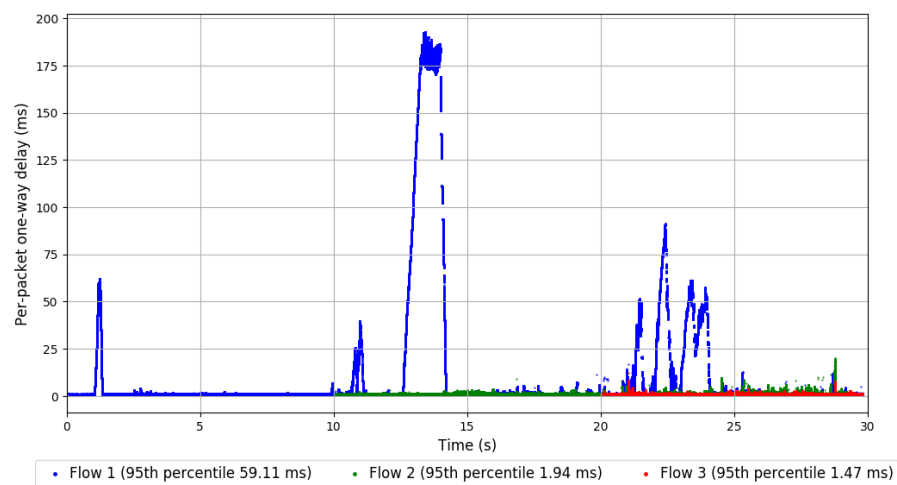
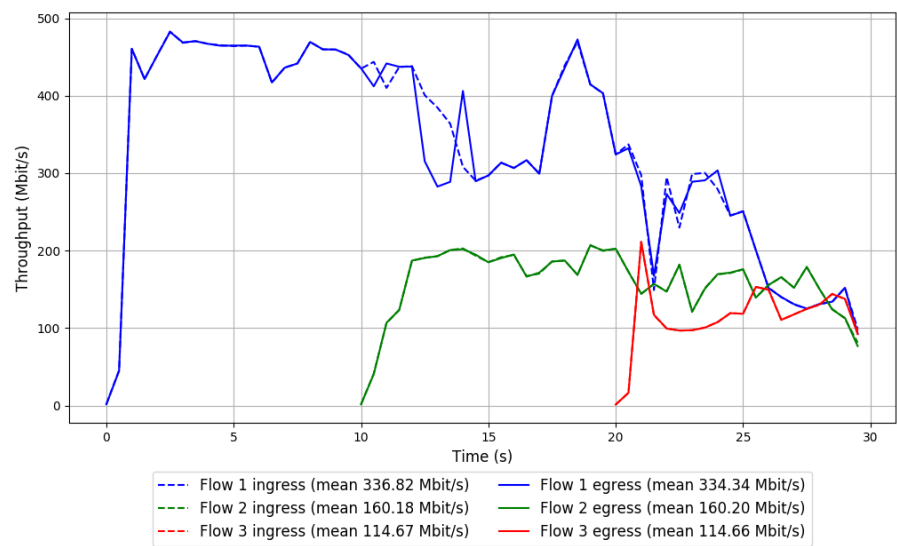
-- Flow 3:

Average throughput: 114.66 Mbit/s

95th percentile per-packet one-way delay: 1.469 ms

Loss rate: 0.19%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-03 21:42:09

End at: 2018-04-03 21:42:39

Local clock offset: 1.039 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-04-04 05:17:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.02 Mbit/s

95th percentile per-packet one-way delay: 1.895 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 337.25 Mbit/s

95th percentile per-packet one-way delay: 2.308 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 127.68 Mbit/s

95th percentile per-packet one-way delay: 1.464 ms

Loss rate: 0.15%

-- Flow 3:

Average throughput: 103.33 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.26%

Run 10: Report of Vivace-LTE — Data Link

