

Pantheon Report

Generated at 2018-02-16 18:53:28 (UTC).

Data path: India Ethernet (*remote*) → AWS India 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).

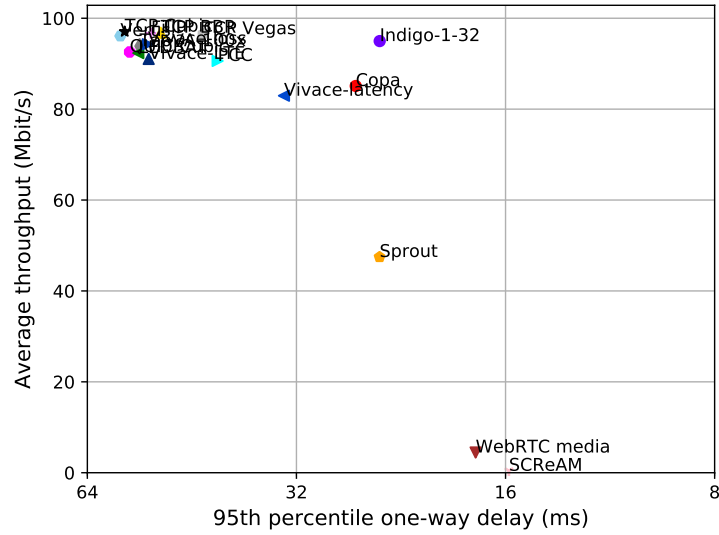
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

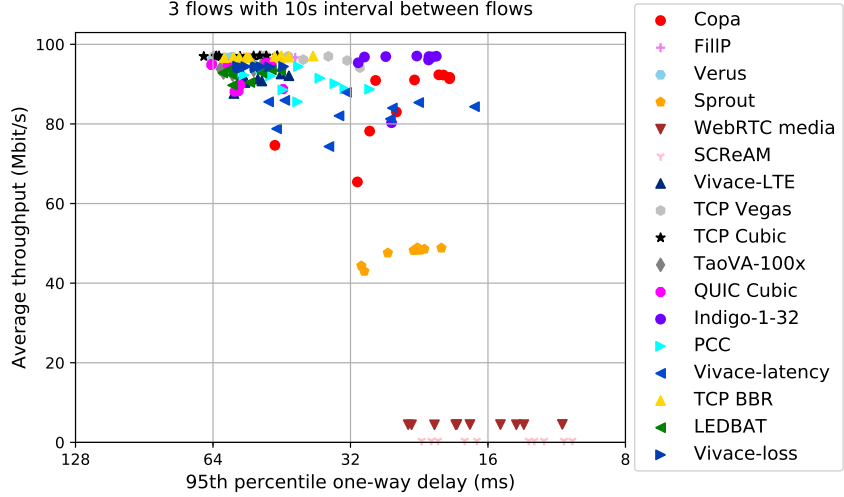
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



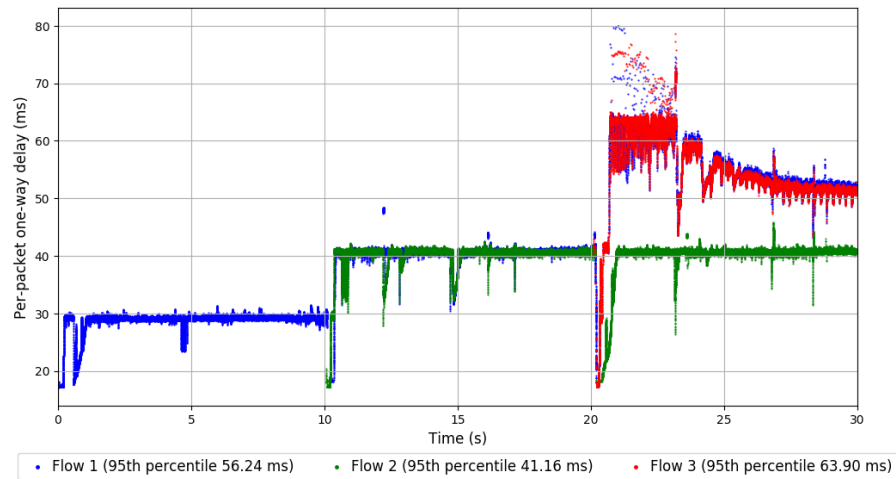
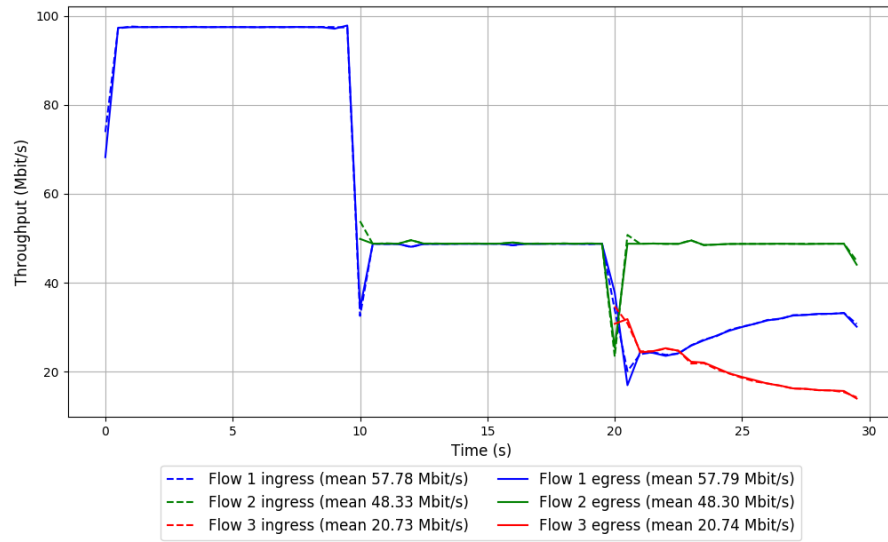
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.85	40.08	34.12	46.18	49.42	51.97	0.11	0.21	0.52
TCP Cubic	9	58.65	43.18	31.17	56.41	49.24	54.71	0.11	0.25	0.77
LEDBAT	8	57.14	39.26	29.34	51.43	51.58	51.76	0.12	0.26	0.81
PCC	10	64.68	28.36	21.52	40.19	39.14	37.28	0.06	0.18	0.33
QUIC Cubic	10	56.50	37.82	33.31	49.17	55.92	49.70	0.12	0.24	0.64
SCReAM	10	0.21	0.21	0.22	15.81	15.82	15.83	0.13	0.00	0.25
WebRTC media	10	2.36	1.47	0.65	17.60	17.69	17.81	0.04	0.12	0.13
Sprout	10	23.95	23.82	23.29	23.77	24.39	24.82	0.11	0.17	0.29
TaoVA-100x	10	56.97	40.72	29.57	48.46	47.24	51.33	0.09	0.25	0.67
TCP Vegas	9	58.86	40.37	32.55	39.25	32.56	42.80	0.07	0.11	0.38
Verus	10	57.97	42.64	29.48	54.95	48.82	55.80	0.11	0.25	0.70
Copa	10	50.15	36.76	31.66	25.68	26.78	24.73	0.09	0.14	0.38
FillP	10	59.12	41.14	32.54	48.89	48.58	49.39	0.10	0.76	1.75
Indigo-1-32	10	57.99	37.81	36.29	22.78	23.60	24.76	0.05	0.12	0.37
Vivace-latency	10	58.34	28.79	16.65	29.46	35.16	26.07	0.07	0.18	0.42
Vivace-loss	10	59.26	38.99	31.29	48.55	52.60	48.41	0.12	0.22	0.85
Vivace-LTE	10	57.38	35.24	31.17	48.55	54.35	37.40	0.14	0.20	0.73

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 10:36:07
End at: 2018-02-16 10:36:37
Local clock offset: -3.612 ms
Remote clock offset: -4.274 ms

Below is generated by plot.py at 2018-02-16 18:26:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 57.723 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 56.245 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 41.159 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 63.898 ms
Loss rate: 0.41%

Run 1: Report of TCP BBR — Data Link

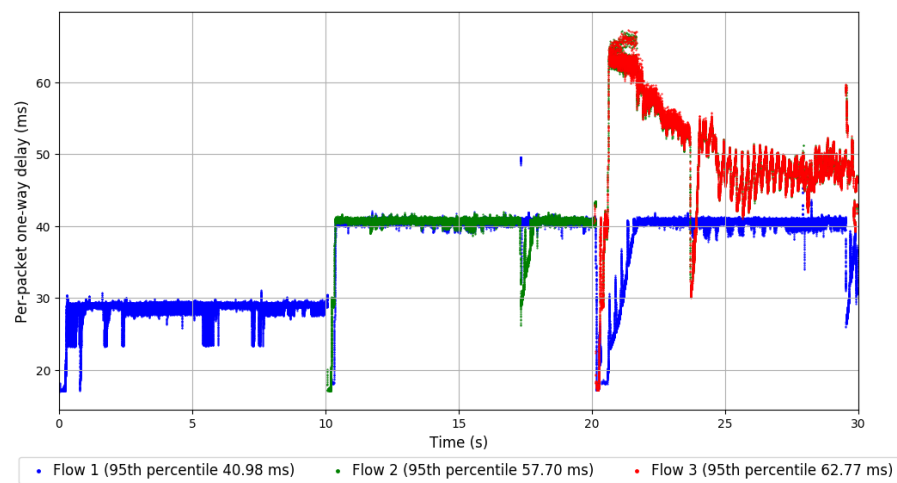
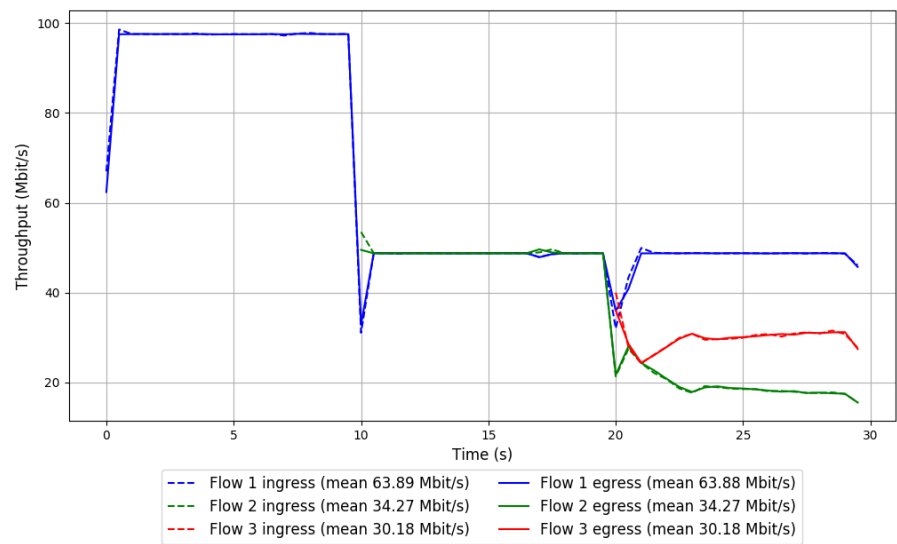


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 11:00:01
End at: 2018-02-16 11:00:31
Local clock offset: -5.63 ms
Remote clock offset: -4.524 ms

Below is generated by plot.py at 2018-02-16 18:26:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 53.294 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 40.978 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 57.705 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 62.769 ms
Loss rate: 0.51%

Run 2: Report of TCP BBR — Data Link

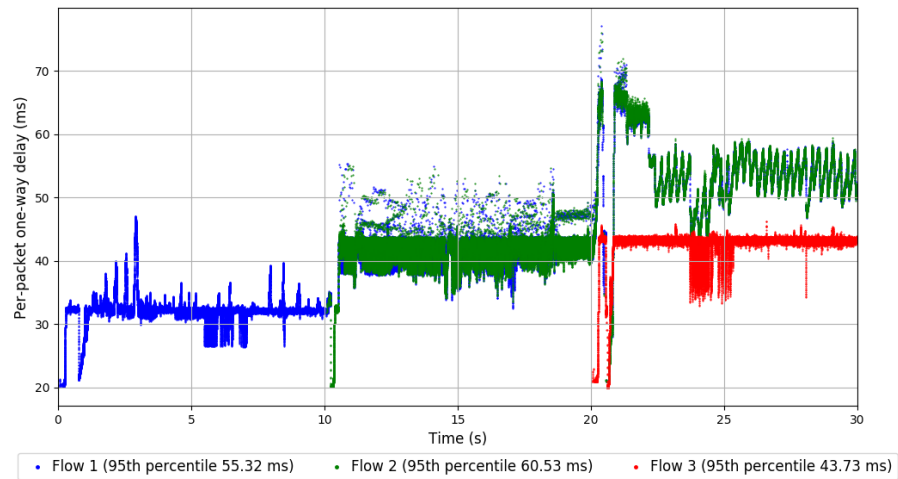
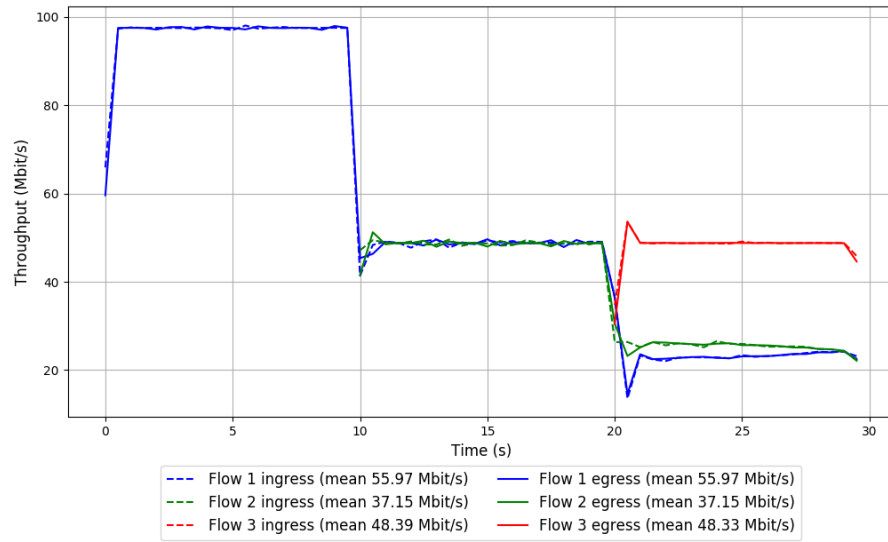


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 11:23:50
End at: 2018-02-16 11:24:20
Local clock offset: -10.9 ms
Remote clock offset: -2.586 ms

Below is generated by plot.py at 2018-02-16 18:26:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 56.040 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 55.324 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 60.531 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 43.729 ms
Loss rate: 0.57%

Run 3: Report of TCP BBR — Data Link

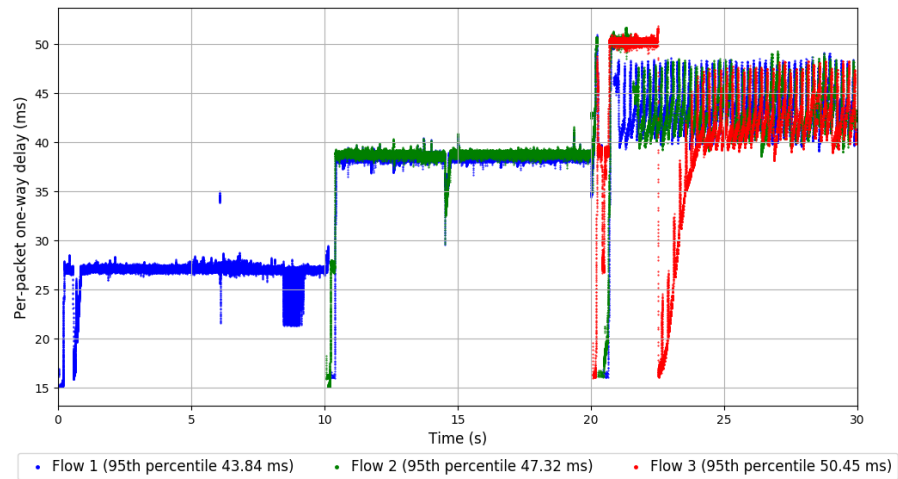
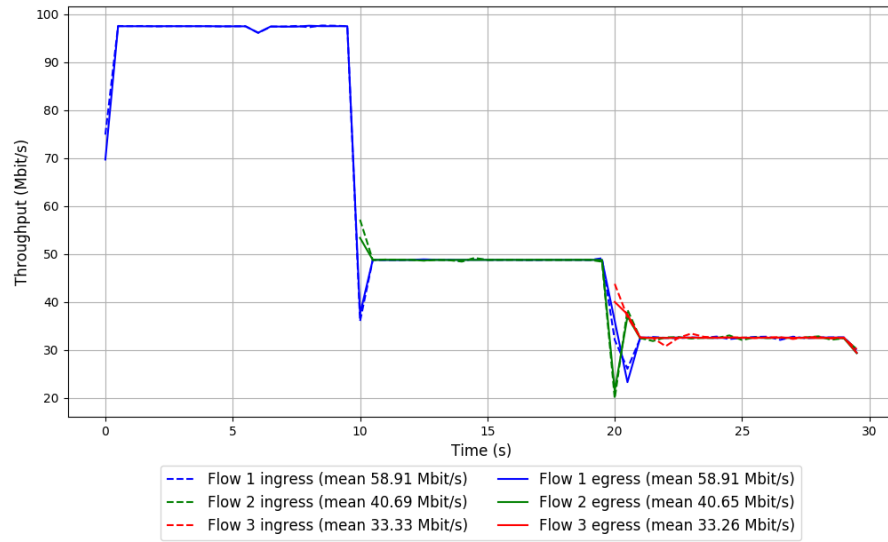


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 11:47:51
End at: 2018-02-16 11:48:21
Local clock offset: -2.189 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2018-02-16 18:26:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 46.882 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 43.837 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 50.448 ms
Loss rate: 0.52%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 12:11:21

End at: 2018-02-16 12:11:51

Local clock offset: -7.254 ms

Remote clock offset: 2.771 ms

Below is generated by plot.py at 2018-02-16 18:26:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 45.670 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 45.163 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.36 Mbit/s

95th percentile per-packet one-way delay: 47.460 ms

Loss rate: 0.16%

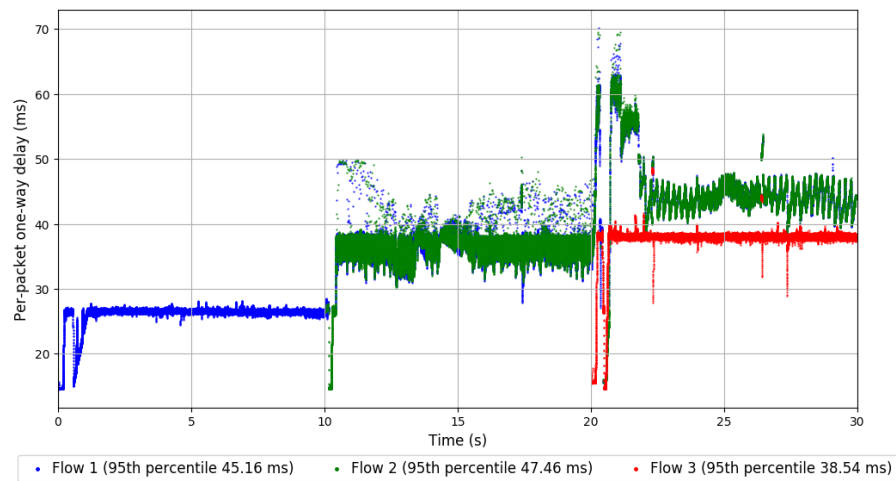
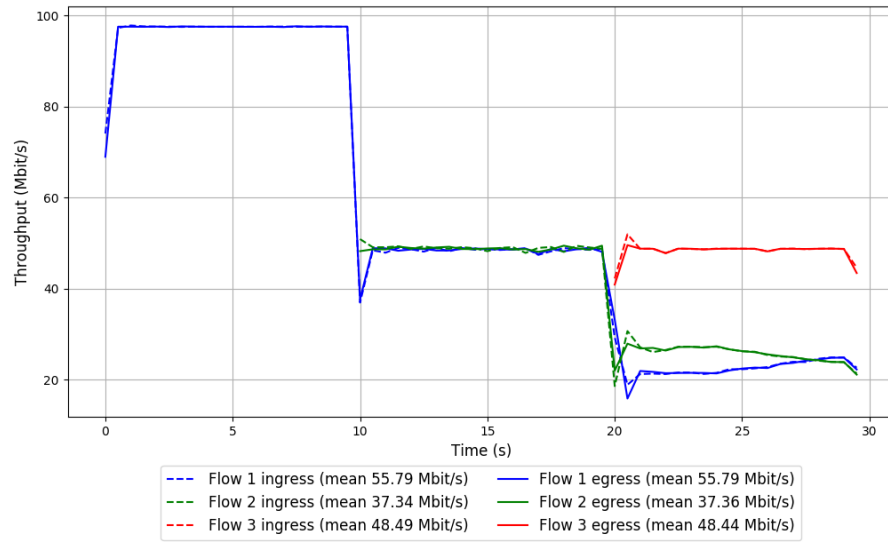
-- Flow 3:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 38.544 ms

Loss rate: 0.50%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-16 12:34:41

End at: 2018-02-16 12:35:11

Local clock offset: -8.364 ms

Remote clock offset: 4.13 ms

Below is generated by plot.py at 2018-02-16 18:26:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 43.685 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 43.101 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 47.274 ms

Loss rate: 0.18%

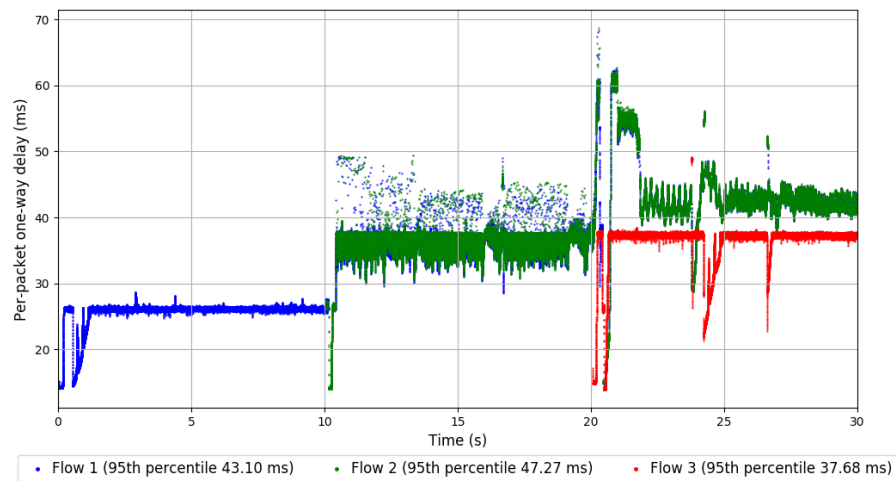
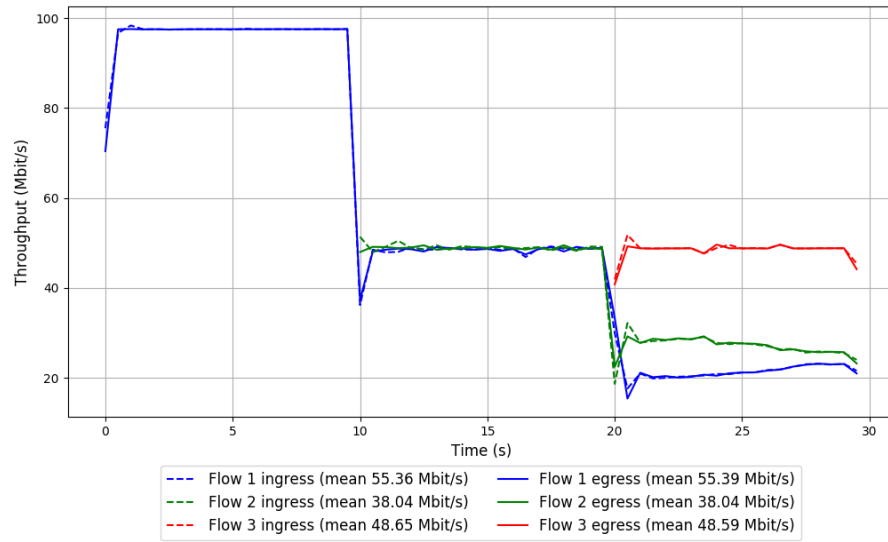
-- Flow 3:

Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 37.679 ms

Loss rate: 0.50%

Run 6: Report of TCP BBR — Data Link

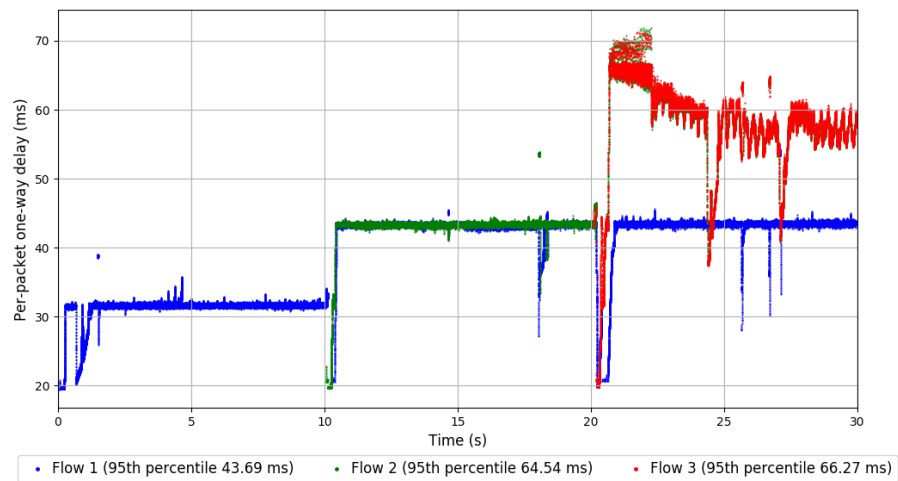
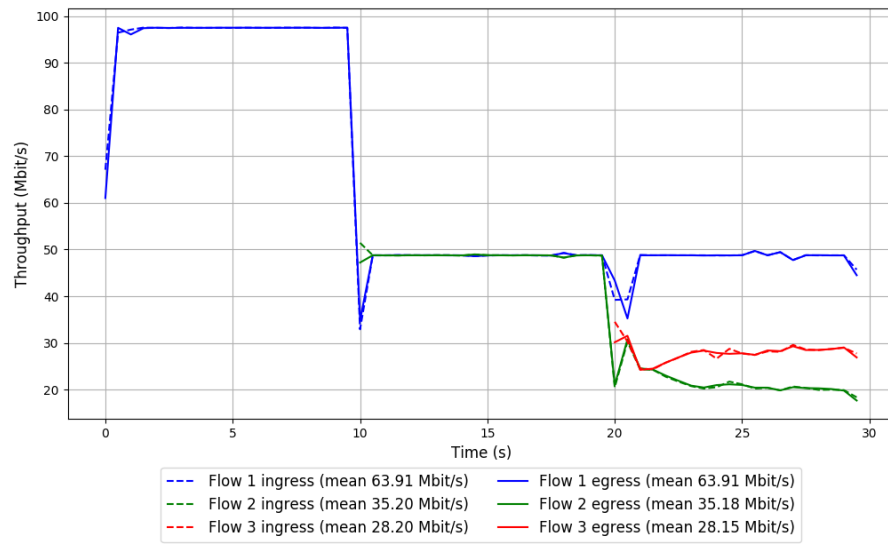


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 12:57:50
End at: 2018-02-16 12:58:20
Local clock offset: 0.133 ms
Remote clock offset: 11.143 ms

Below is generated by plot.py at 2018-02-16 18:26:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 60.435 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 43.690 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 64.542 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 66.272 ms
Loss rate: 0.74%

Run 7: Report of TCP BBR — Data Link

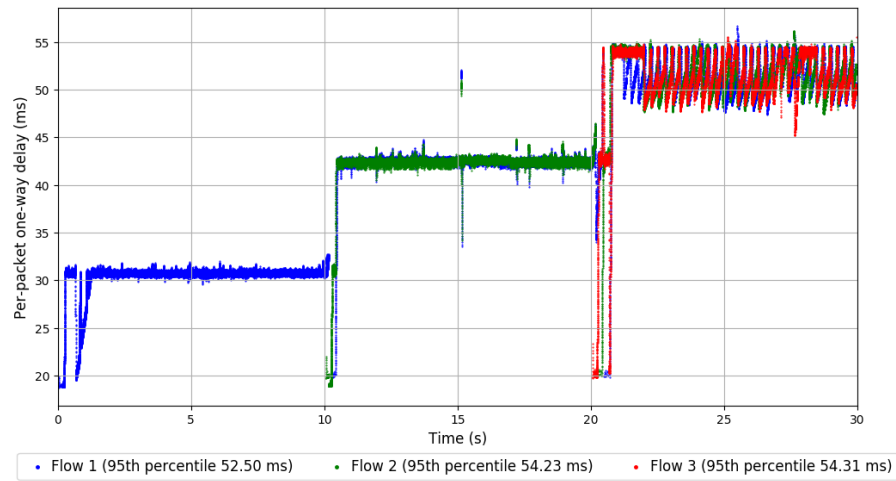
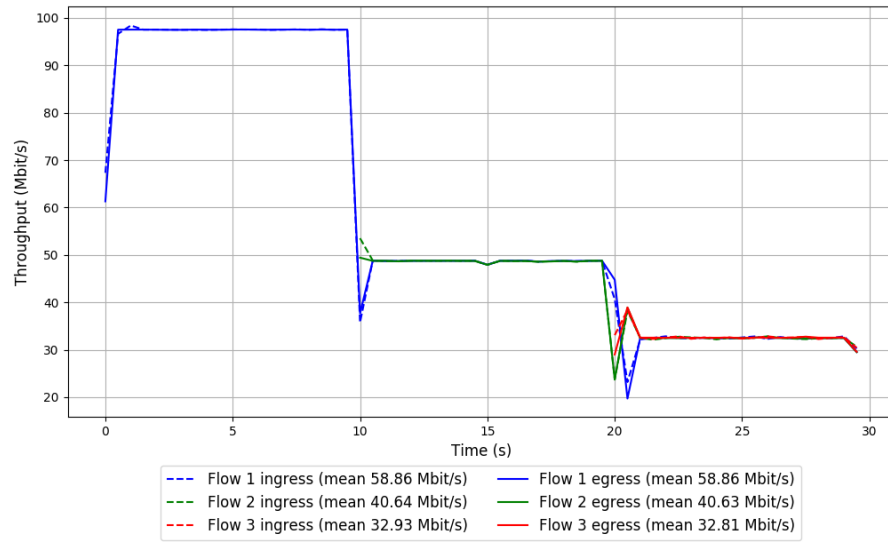


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 13:22:09
End at: 2018-02-16 13:22:39
Local clock offset: -4.961 ms
Remote clock offset: 20.886 ms

Below is generated by plot.py at 2018-02-16 18:26:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 54.080 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 52.503 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 54.307 ms
Loss rate: 0.64%

Run 8: Report of TCP BBR — Data Link

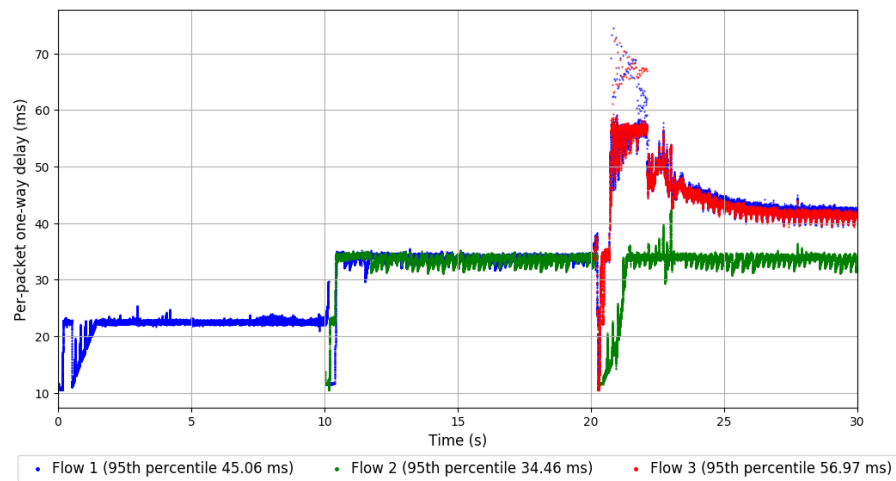
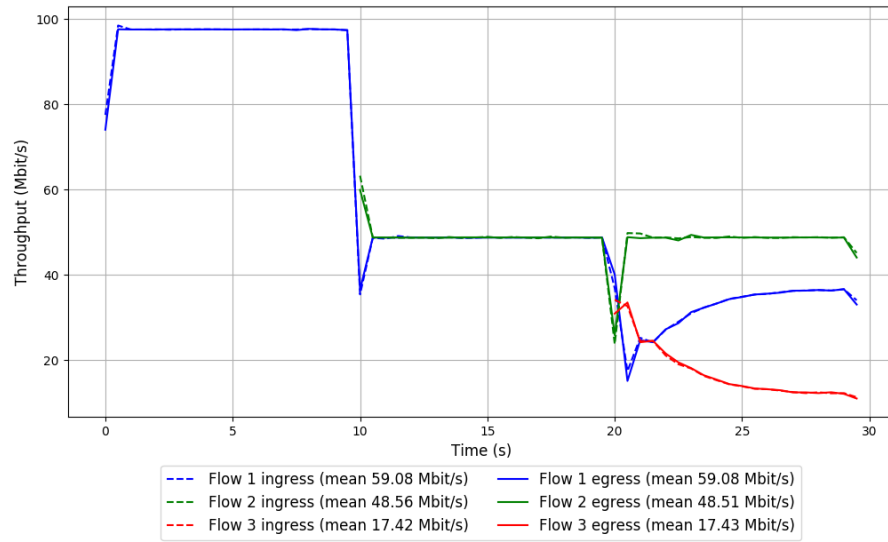


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 13:46:28
End at: 2018-02-16 13:46:58
Local clock offset: -5.521 ms
Remote clock offset: 23.846 ms

Below is generated by plot.py at 2018-02-16 18:28:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 45.339 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 45.058 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 56.974 ms
Loss rate: 0.39%

Run 9: Report of TCP BBR — Data Link

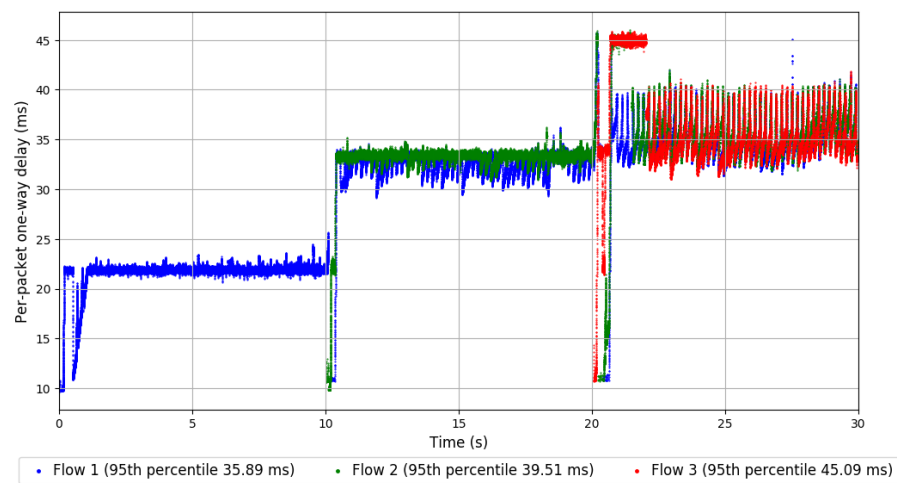
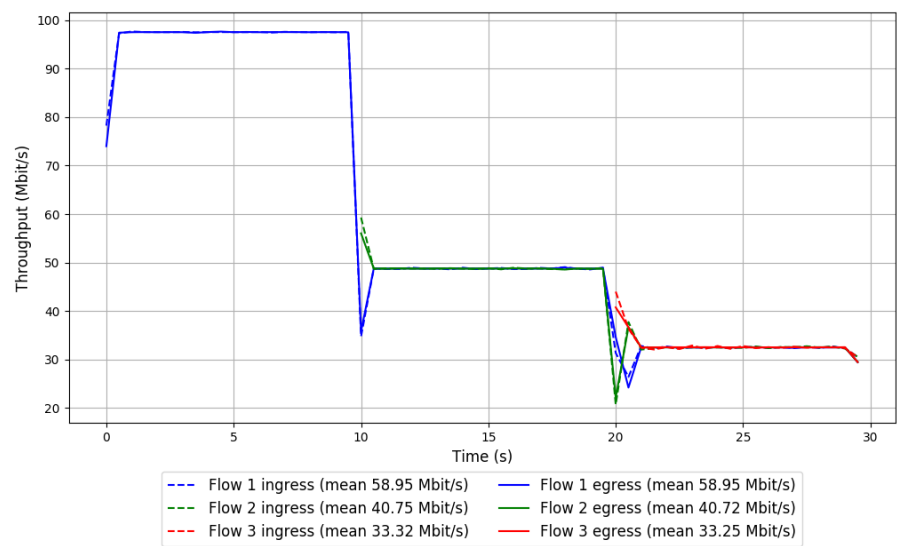


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 14:09:49
End at: 2018-02-16 14:10:19
Local clock offset: -5.395 ms
Remote clock offset: 28.413 ms

Below is generated by plot.py at 2018-02-16 18:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 38.645 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 35.887 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 39.509 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 45.093 ms
Loss rate: 0.47%

Run 10: Report of TCP BBR — Data Link

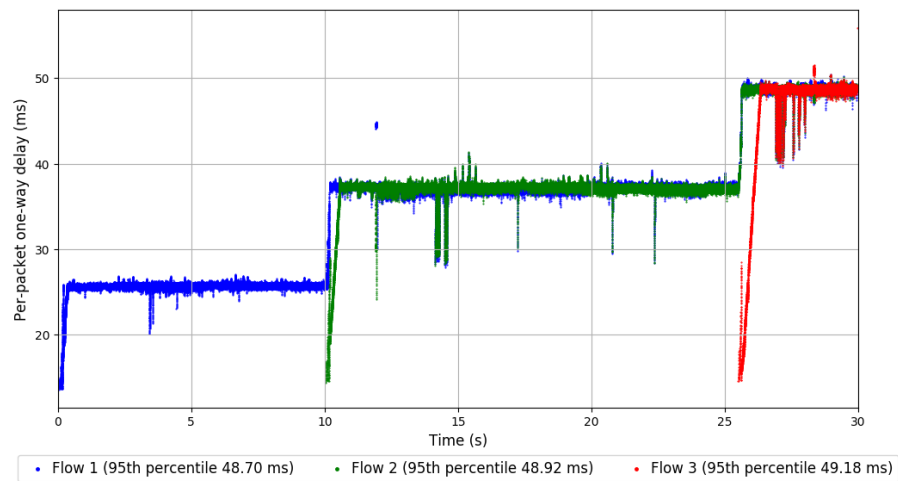
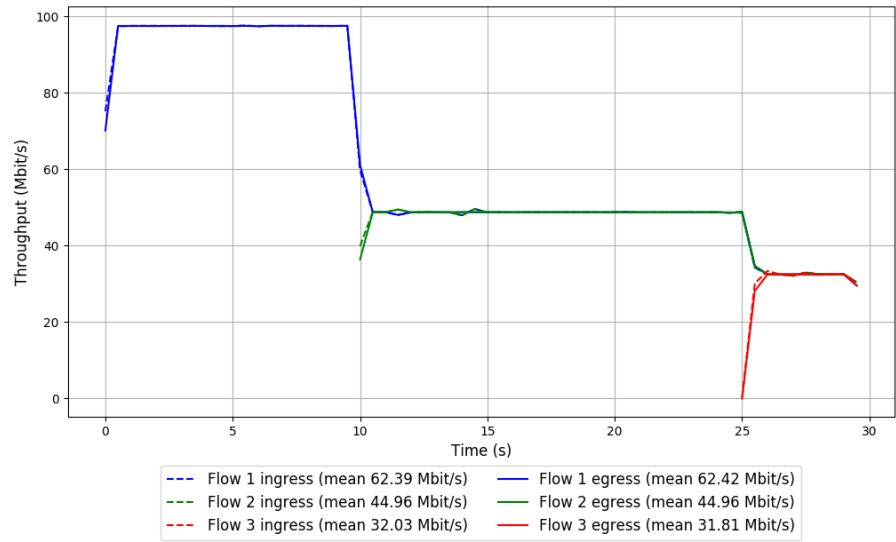


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 10:38:53
End at: 2018-02-16 10:39:23
Local clock offset: -6.408 ms
Remote clock offset: -3.649 ms

Below is generated by plot.py at 2018-02-16 18:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 48.911 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 62.42 Mbit/s
95th percentile per-packet one-way delay: 48.698 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 48.925 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 49.178 ms
Loss rate: 1.39%

Run 1: Report of TCP Cubic — Data Link

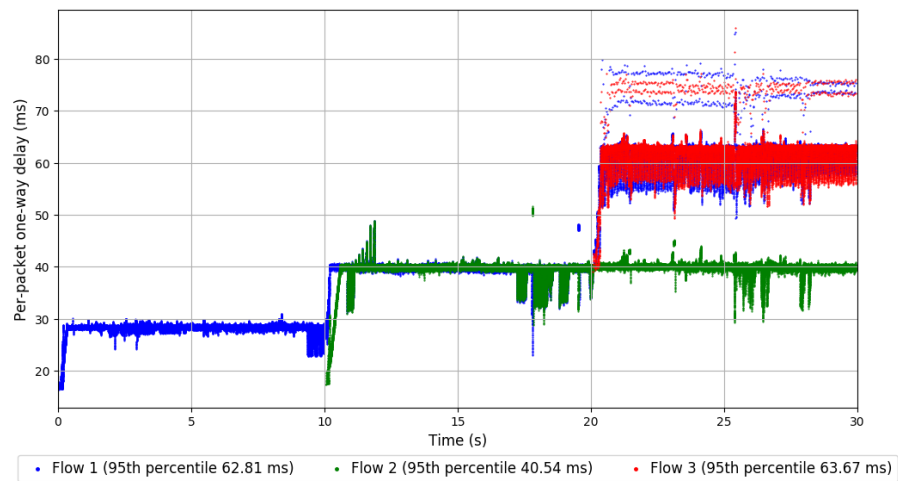
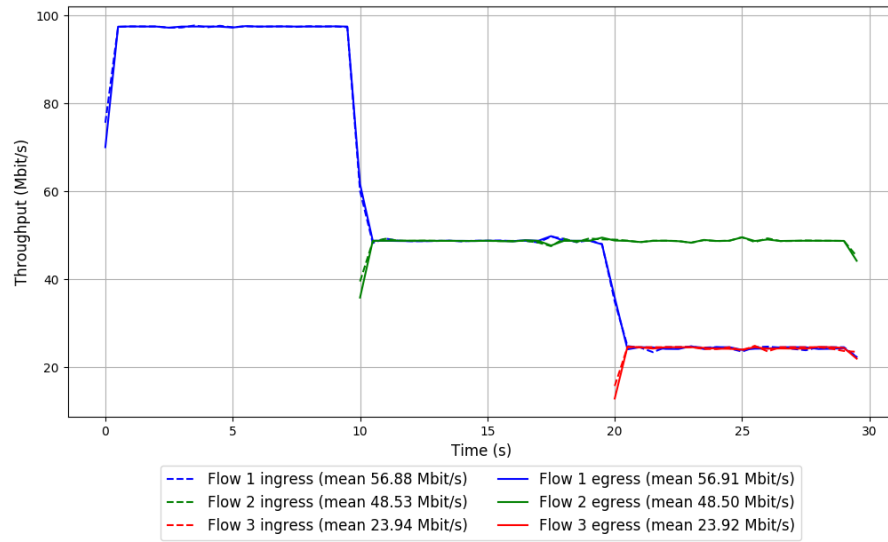


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 11:02:42
End at: 2018-02-16 11:03:12
Local clock offset: -7.104 ms
Remote clock offset: -4.856 ms

Below is generated by plot.py at 2018-02-16 18:28:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 62.913 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 62.814 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 40.538 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 63.666 ms
Loss rate: 0.83%

Run 2: Report of TCP Cubic — Data Link

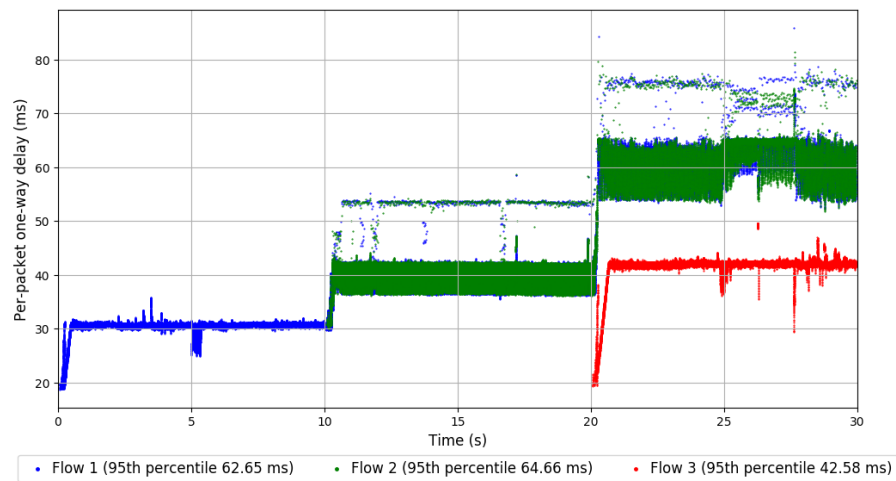
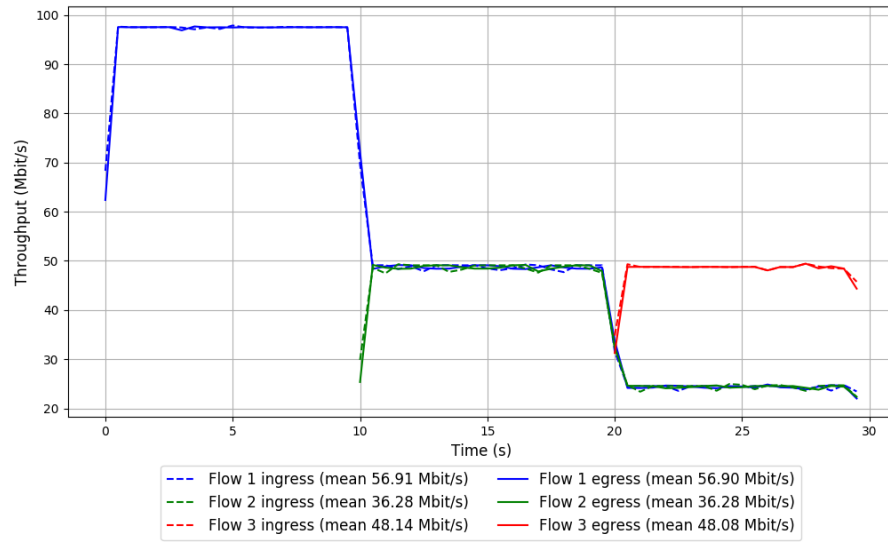


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 11:26:27
End at: 2018-02-16 11:26:57
Local clock offset: -10.19 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2018-02-16 18:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 63.078 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 62.650 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 64.662 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 42.582 ms
Loss rate: 0.57%

Run 3: Report of TCP Cubic — Data Link

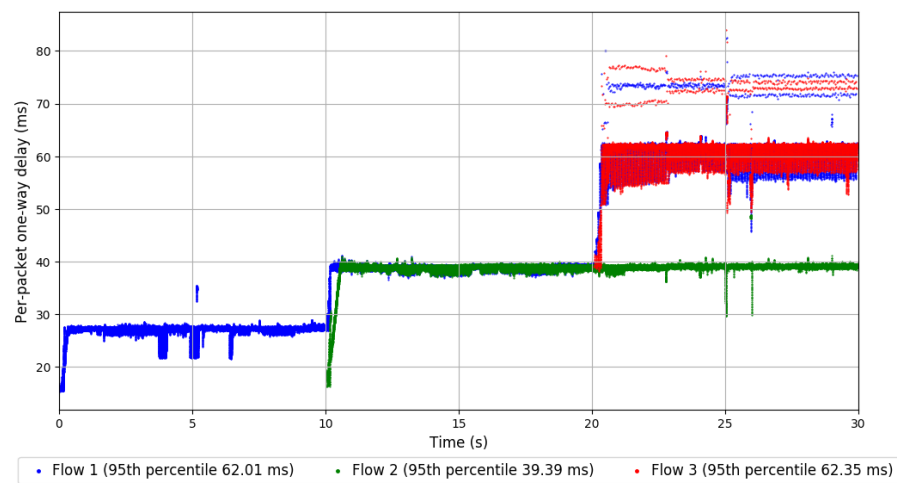
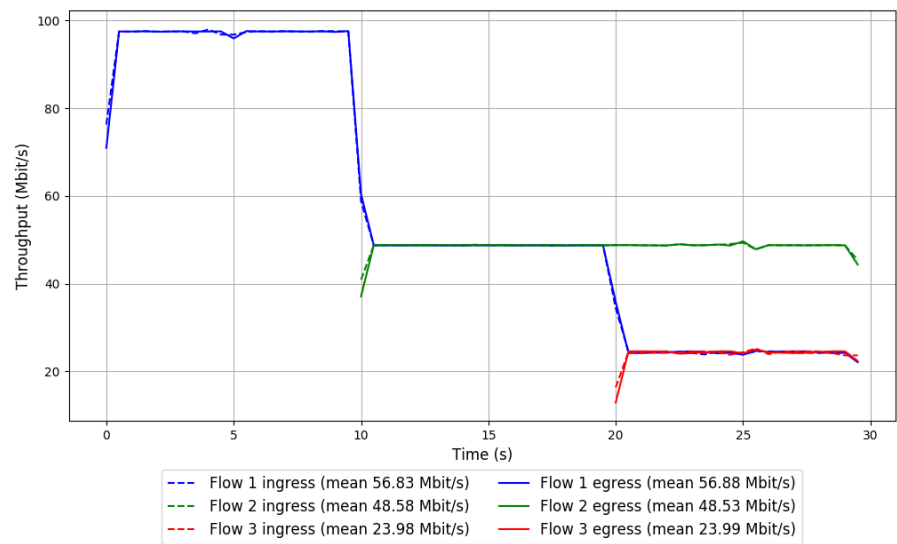


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 11:50:26
End at: 2018-02-16 11:50:56
Local clock offset: -1.588 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2018-02-16 18:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 62.058 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 62.007 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 39.394 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 62.349 ms
Loss rate: 0.76%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 12:14:03

End at: 2018-02-16 12:14:33

Local clock offset: -6.258 ms

Remote clock offset: 2.31 ms

Below is generated by plot.py at 2018-02-16 18:28:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 52.152 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 52.071 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 52.207 ms

Loss rate: 0.26%

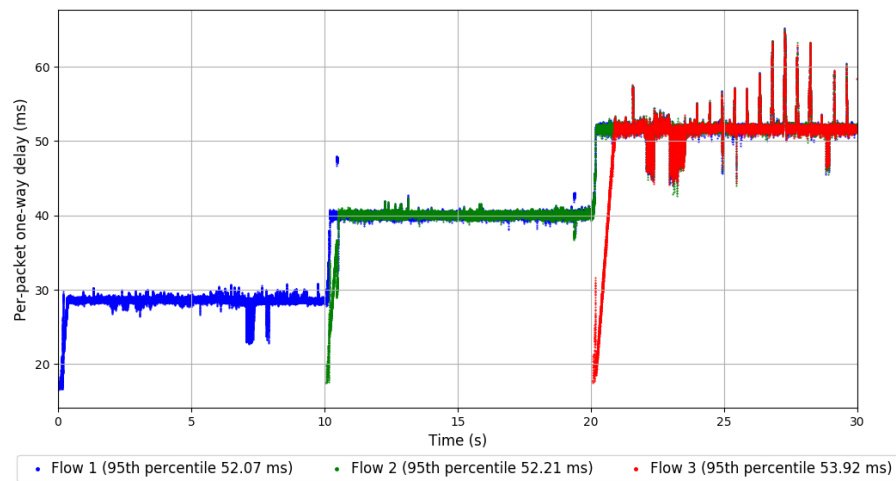
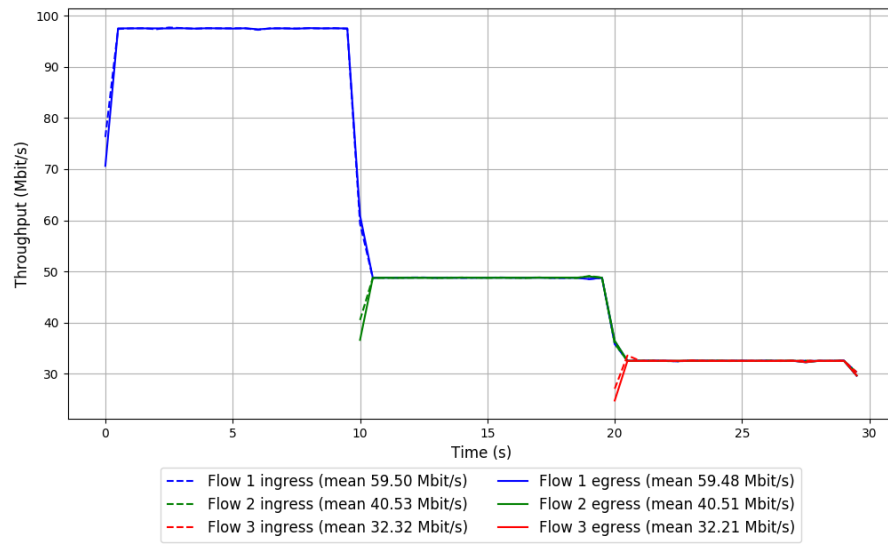
-- Flow 3:

Average throughput: 32.21 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.65%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 12:37:16

End at: 2018-02-16 12:37:46

Local clock offset: -4.576 ms

Remote clock offset: 4.976 ms

Below is generated by plot.py at 2018-02-16 18:28:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 50.569 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 50.470 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 50.553 ms

Loss rate: 0.25%

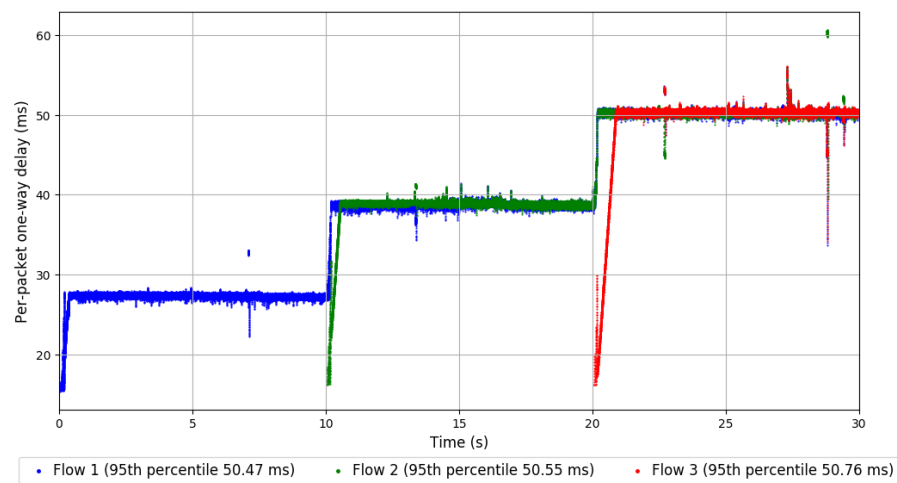
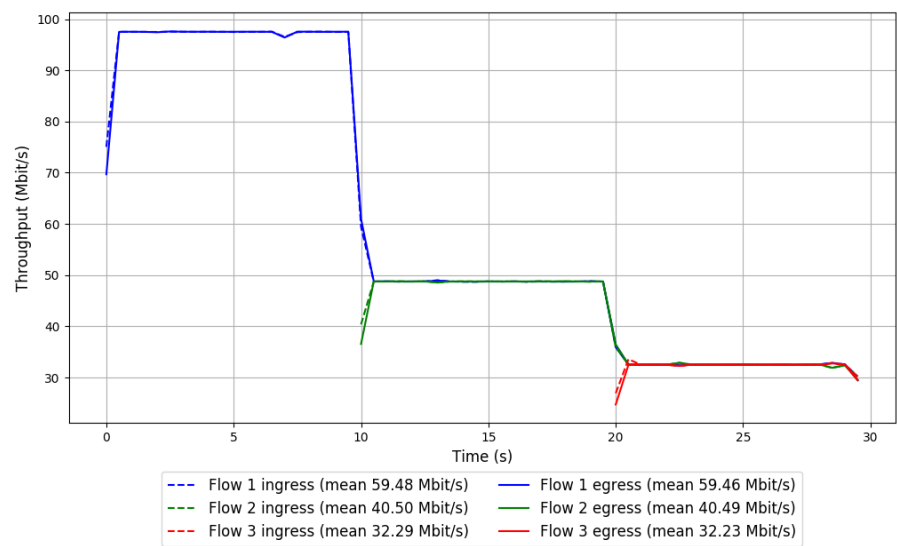
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 50.762 ms

Loss rate: 0.62%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 13:00:28

End at: 2018-02-16 13:00:58

Local clock offset: 2.452 ms

Remote clock offset: 13.94 ms

Below is generated by plot.py at 2018-02-16 18:29:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 67.049 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 66.971 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 44.631 ms

Loss rate: 0.28%

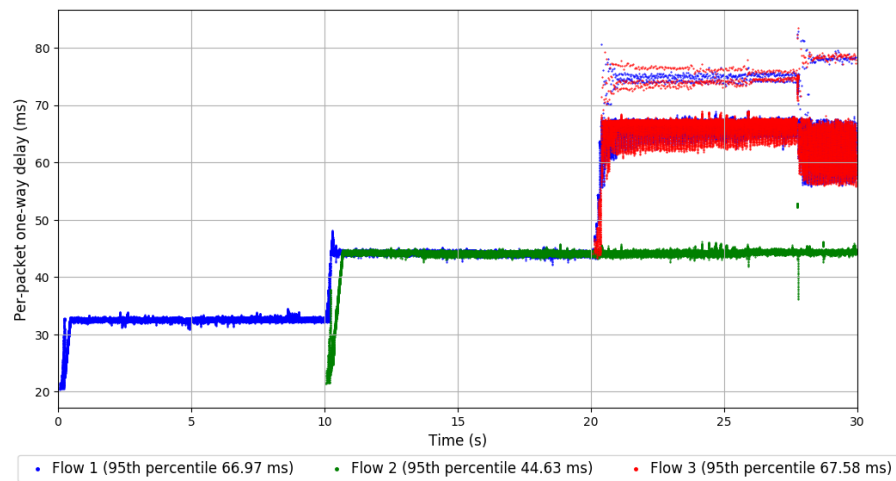
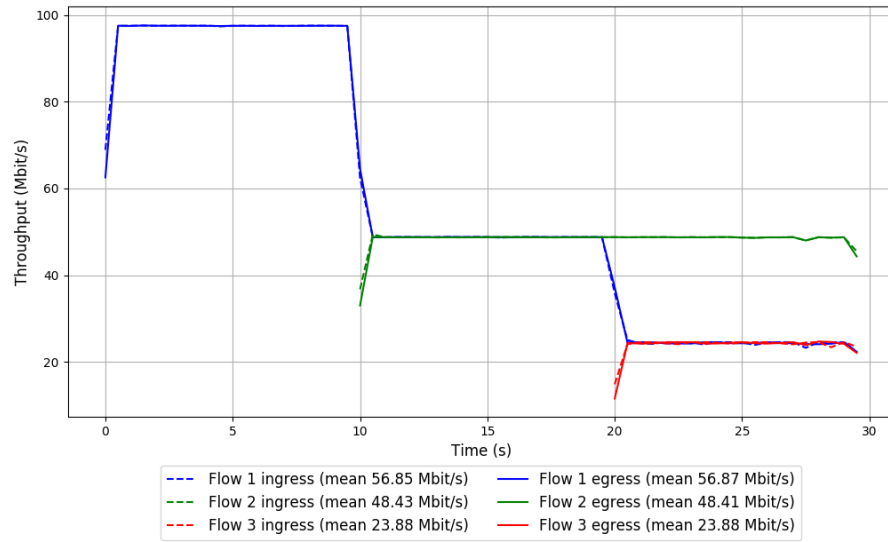
-- Flow 3:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 67.581 ms

Loss rate: 0.86%

Run 7: Report of TCP Cubic — Data Link

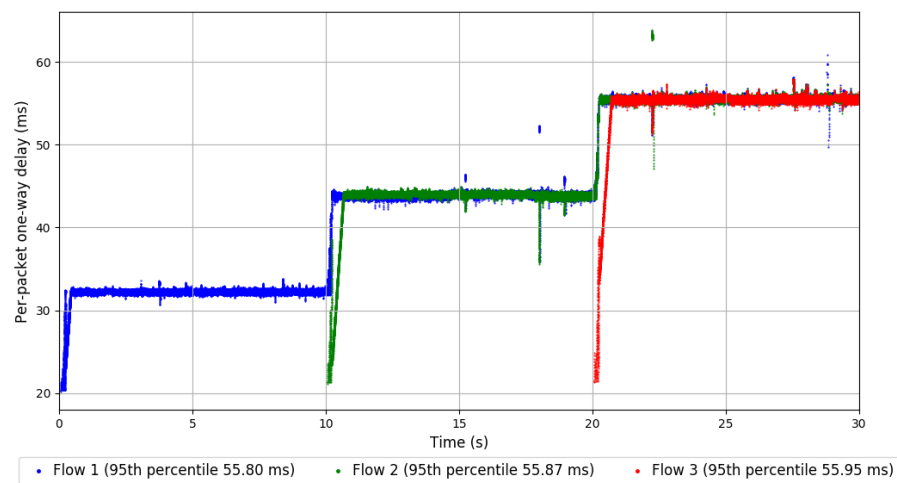
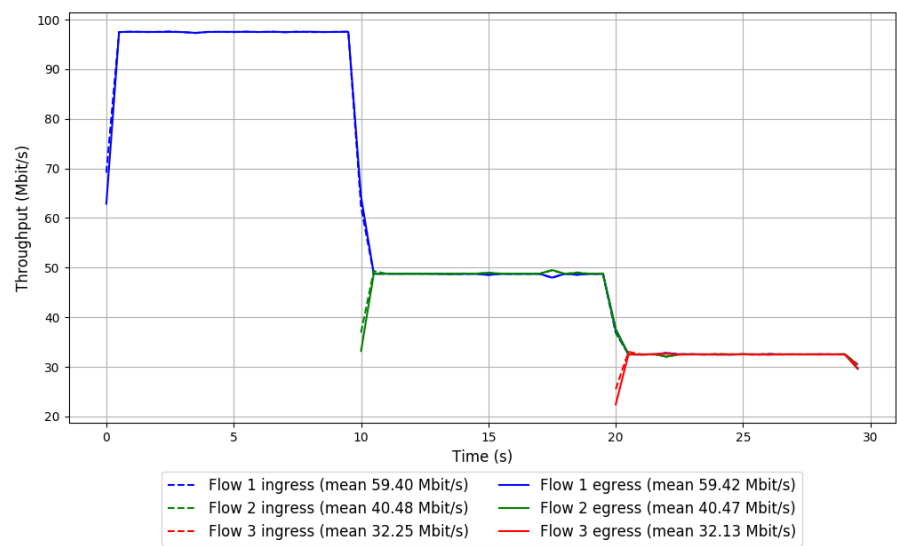


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 13:24:54
End at: 2018-02-16 13:25:24
Local clock offset: -3.917 ms
Remote clock offset: 21.589 ms

Below is generated by plot.py at 2018-02-16 18:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 55.848 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 55.799 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 55.869 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 55.946 ms
Loss rate: 0.68%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 13:48:57

End at: 2018-02-16 13:49:27

Local clock offset: -2.222 ms

Remote clock offset: 24.438 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 14:12:24

End at: 2018-02-16 14:12:54

Local clock offset: -3.724 ms

Remote clock offset: 29.39 ms

Below is generated by plot.py at 2018-02-16 18:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 46.306 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 46.217 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.48 Mbit/s

95th percentile per-packet one-way delay: 46.344 ms

Loss rate: 0.24%

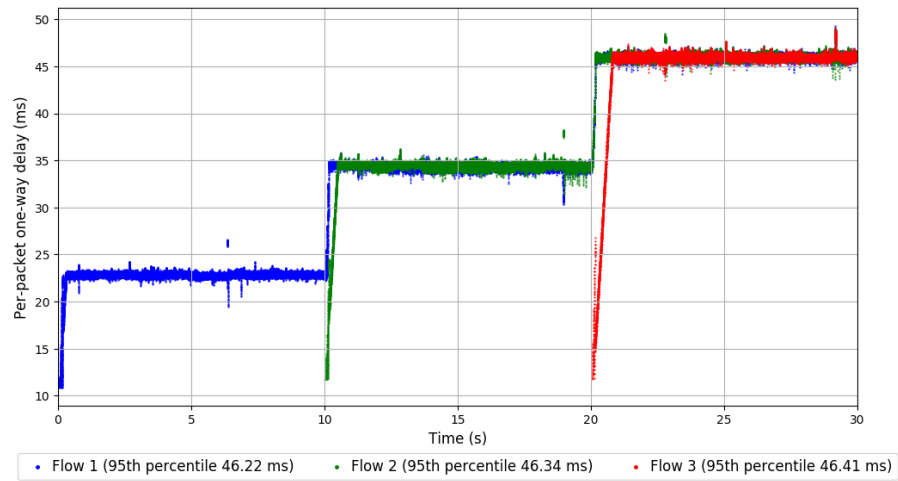
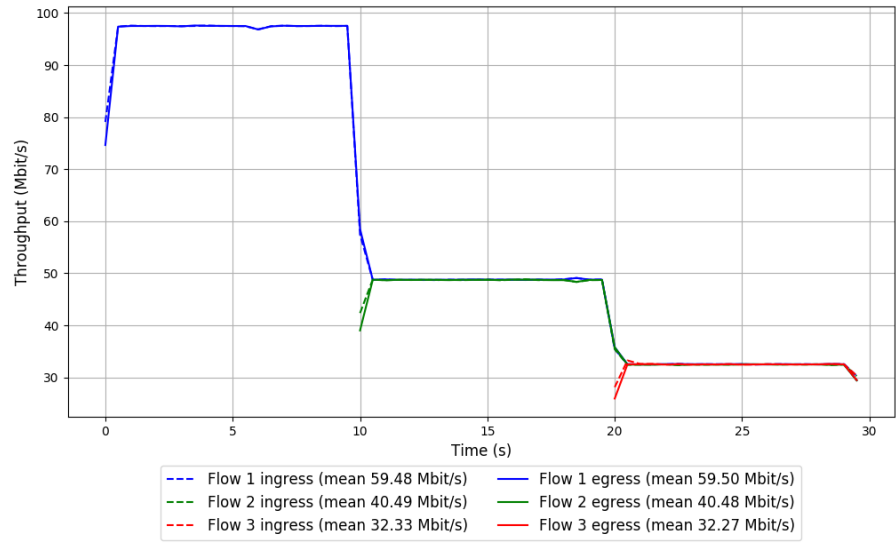
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 46.407 ms

Loss rate: 0.60%

Run 10: Report of TCP Cubic — Data Link

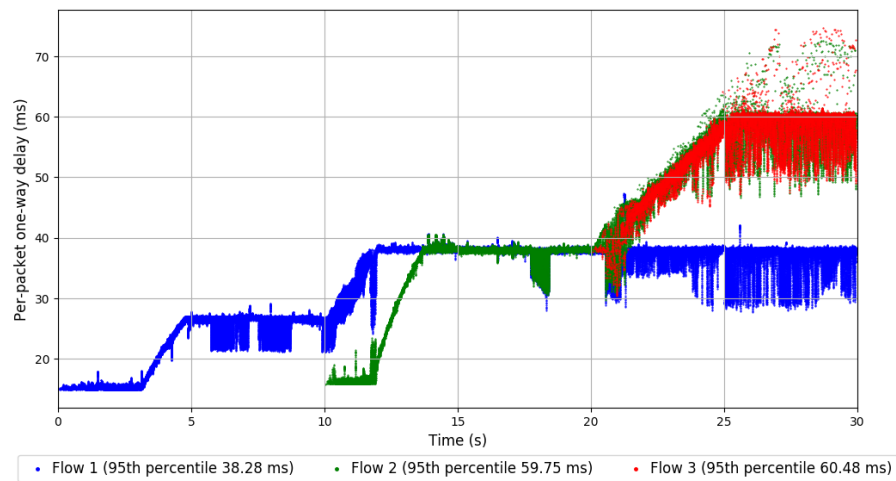
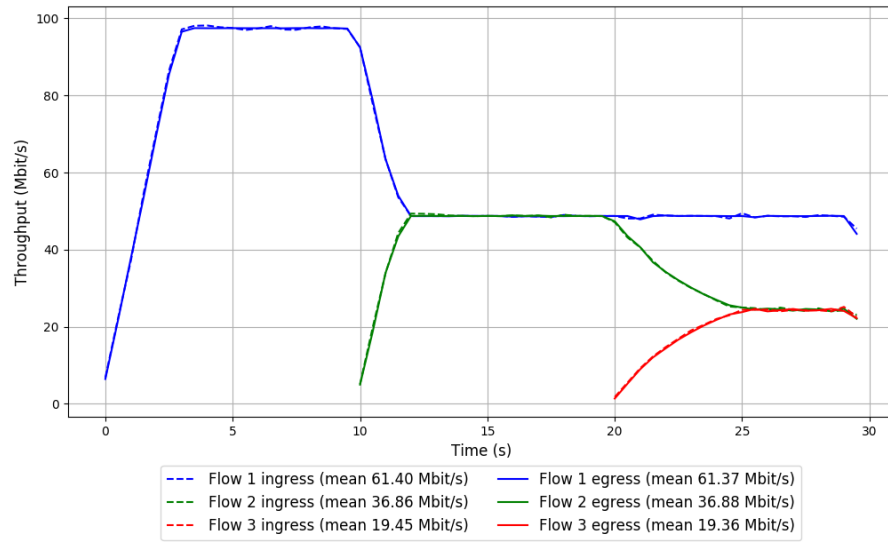


Run 1: Statistics of LEDBAT

Start at: 2018-02-16 10:52:11
End at: 2018-02-16 10:52:41
Local clock offset: -5.691 ms
Remote clock offset: -3.764 ms

Below is generated by plot.py at 2018-02-16 18:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 58.076 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 38.278 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 59.754 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 60.477 ms
Loss rate: 0.94%

Run 1: Report of LEDBAT — Data Link

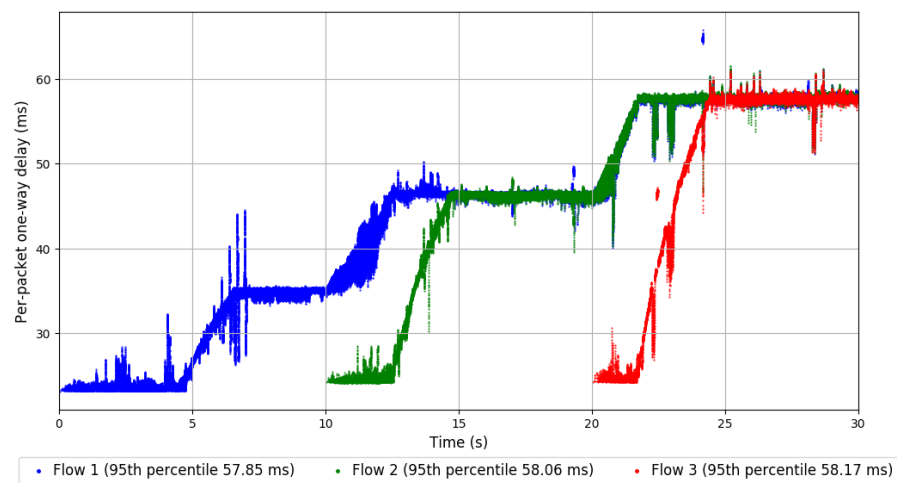
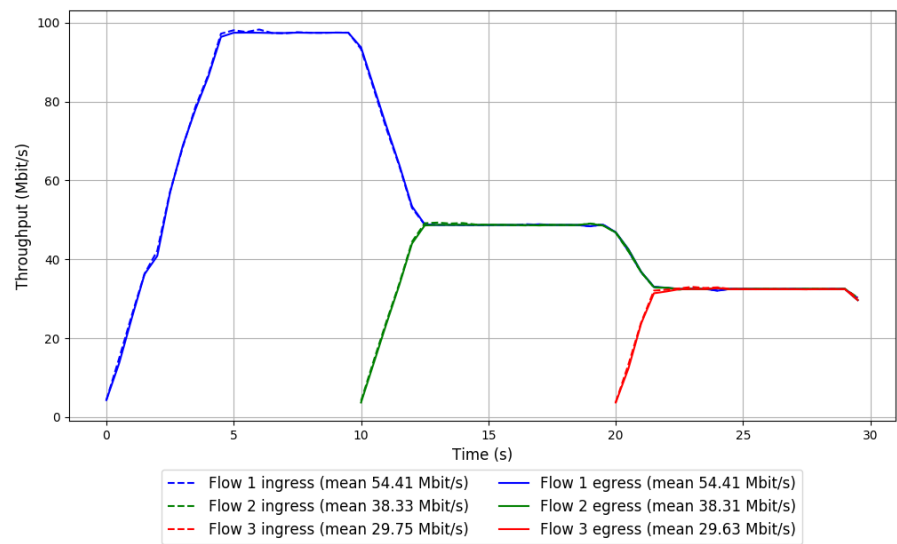


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 11:16:10
End at: 2018-02-16 11:16:40
Local clock offset: -7.753 ms
Remote clock offset: -3.822 ms

Below is generated by plot.py at 2018-02-16 18:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 57.991 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 57.849 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 58.056 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 58.173 ms
Loss rate: 0.73%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-16 11:39:59

End at: 2018-02-16 11:40:29

Local clock offset: -3.621 ms

Remote clock offset: -2.307 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-02-16 12:03:29

End at: 2018-02-16 12:03:59

Local clock offset: -5.396 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2018-02-16 18:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 50.016 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 49.768 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 50.088 ms

Loss rate: 0.23%

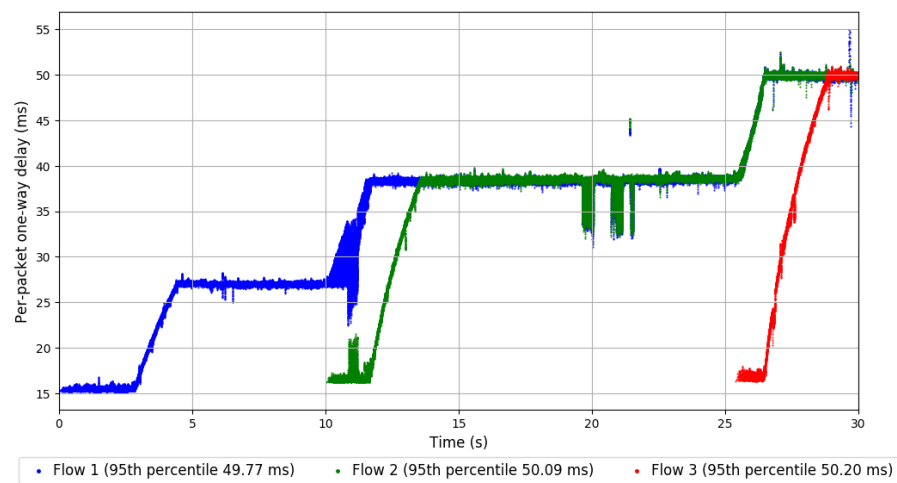
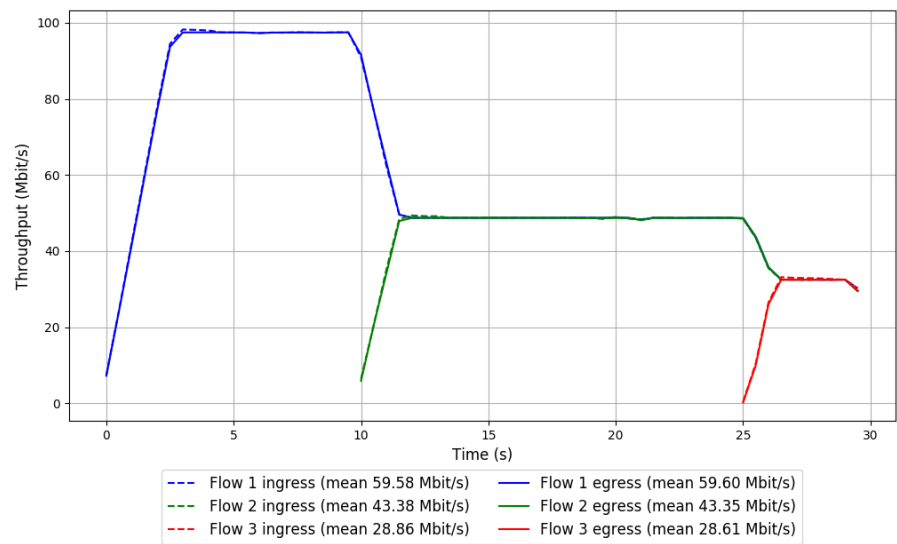
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 50.198 ms

Loss rate: 1.49%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 12:27:04

End at: 2018-02-16 12:27:34

Local clock offset: -8.708 ms

Remote clock offset: 4.01 ms

Below is generated by plot.py at 2018-02-16 18:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 60.895 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 55.08 Mbit/s

95th percentile per-packet one-way delay: 60.357 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 39.015 ms

Loss rate: 0.26%

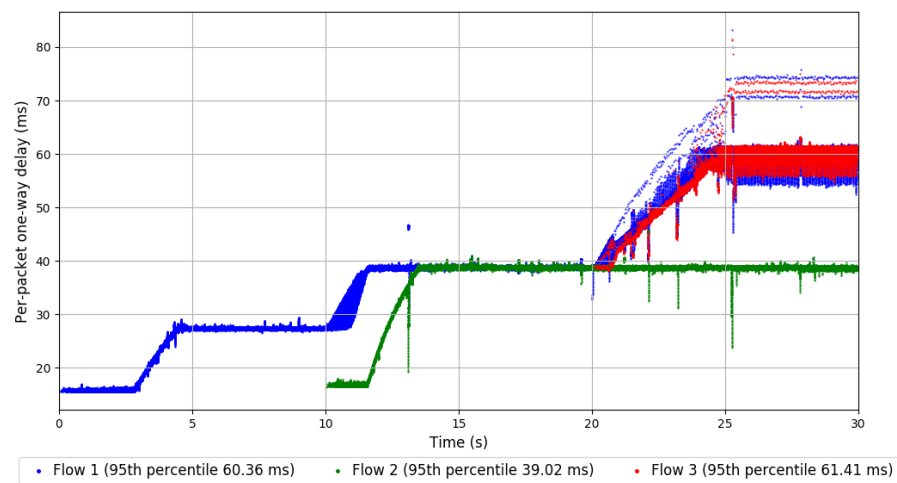
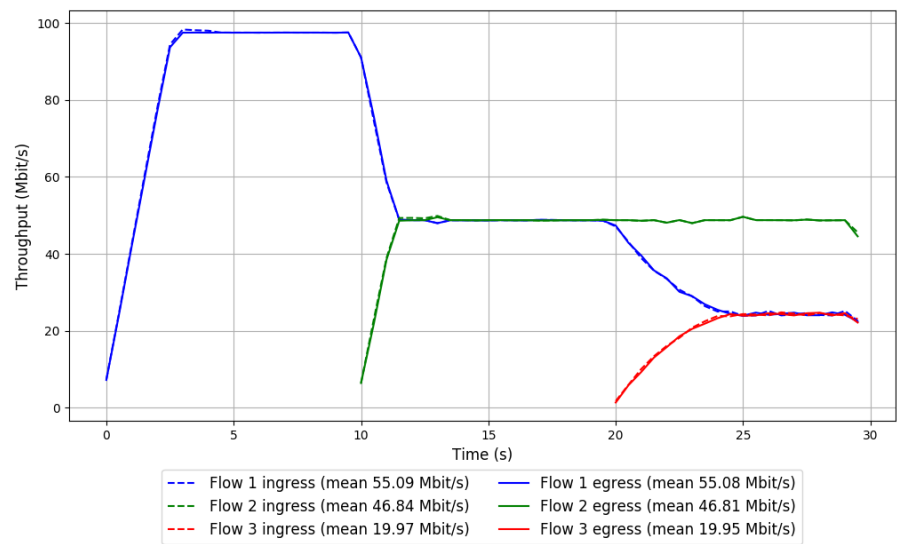
-- Flow 3:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 61.410 ms

Loss rate: 0.88%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-16 12:50:10

End at: 2018-02-16 12:50:40

Local clock offset: -1.184 ms

Remote clock offset: 6.138 ms

Below is generated by plot.py at 2018-02-16 18:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 45.521 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 45.465 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 45.526 ms

Loss rate: 0.26%

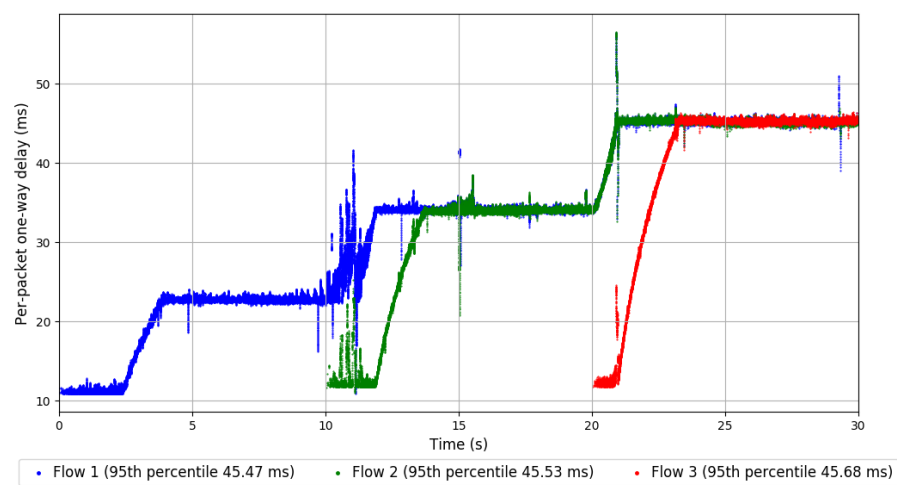
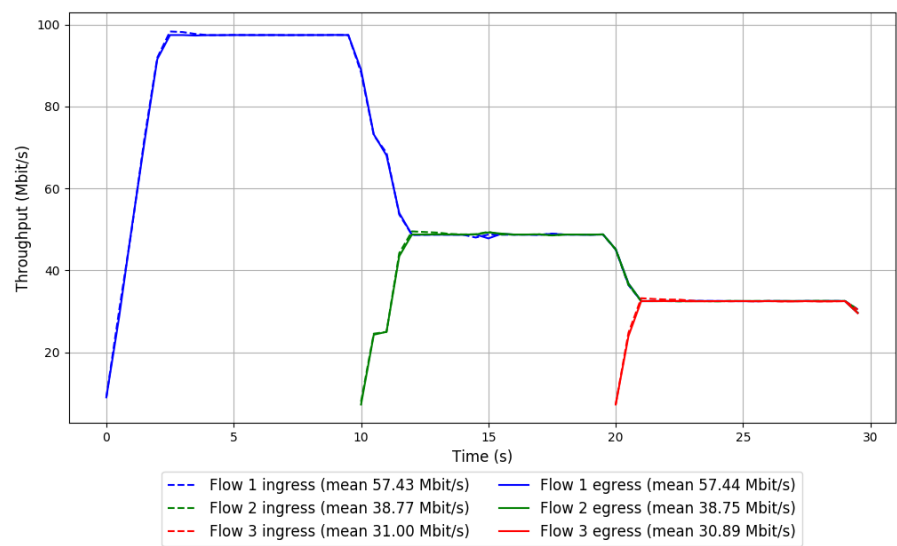
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 45.682 ms

Loss rate: 0.61%

Run 6: Report of LEDBAT — Data Link

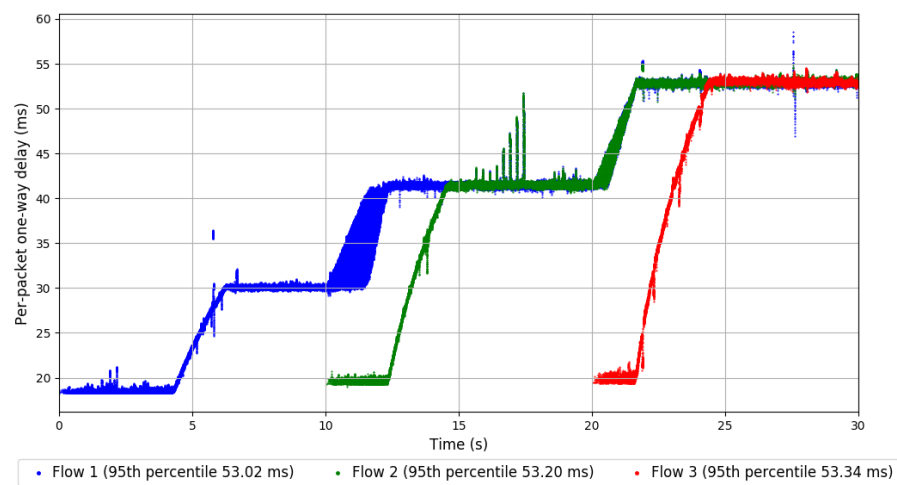
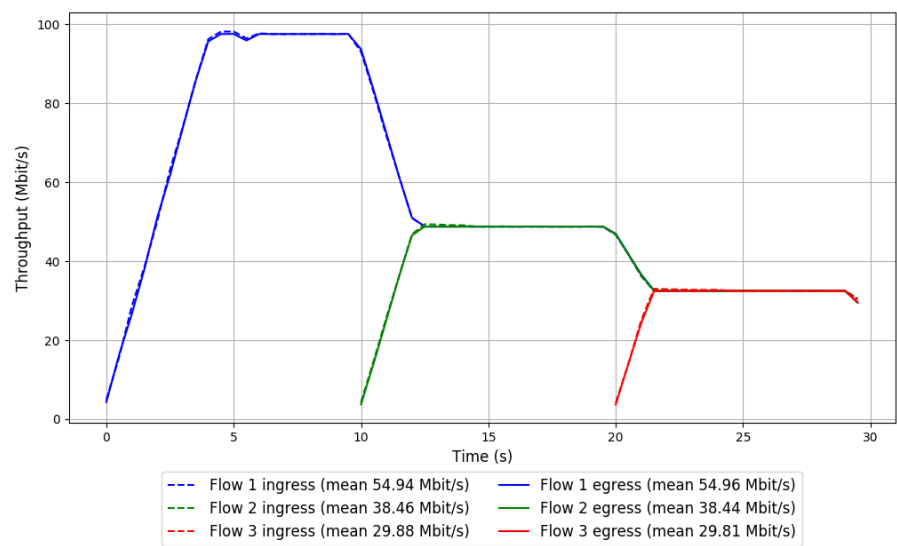


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 13:14:00
End at: 2018-02-16 13:14:30
Local clock offset: -3.259 ms
Remote clock offset: 19.308 ms

```
# Below is generated by plot.py at 2018-02-16 18:31:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 53.152 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 53.023 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 53.201 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 53.338 ms
Loss rate: 0.73%
```

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-16 13:38:37

End at: 2018-02-16 13:39:07

Local clock offset: -2.906 ms

Remote clock offset: 23.272 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

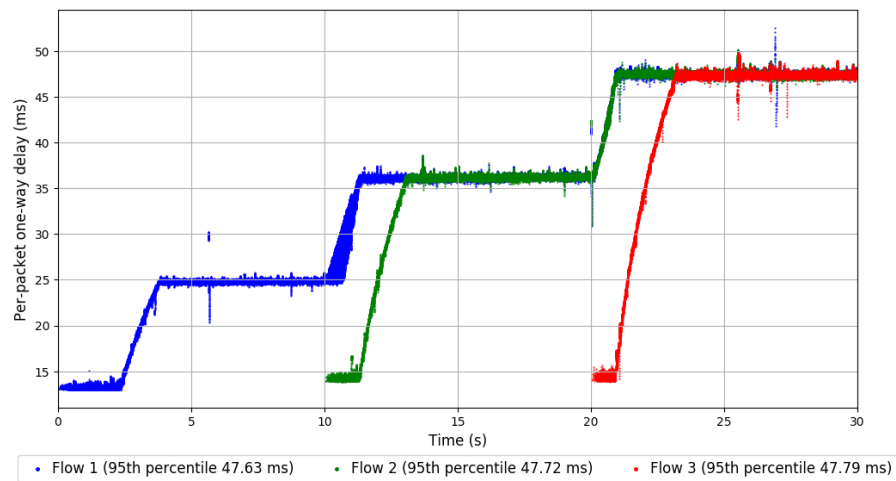
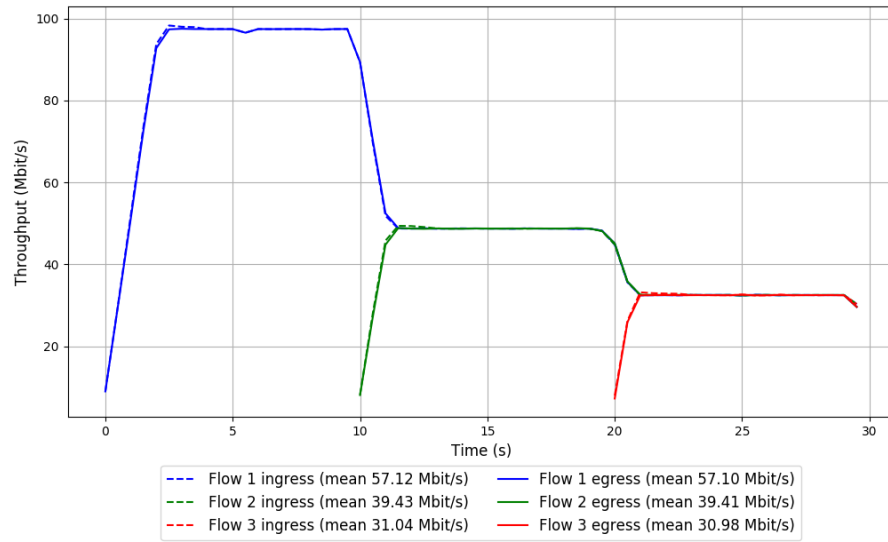
Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-16 14:01:58
End at: 2018-02-16 14:02:28
Local clock offset: -2.811 ms
Remote clock offset: 26.453 ms

Below is generated by plot.py at 2018-02-16 18:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 47.685 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 47.629 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 47.719 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 47.791 ms
Loss rate: 0.61%

Run 9: Report of LEDBAT — Data Link

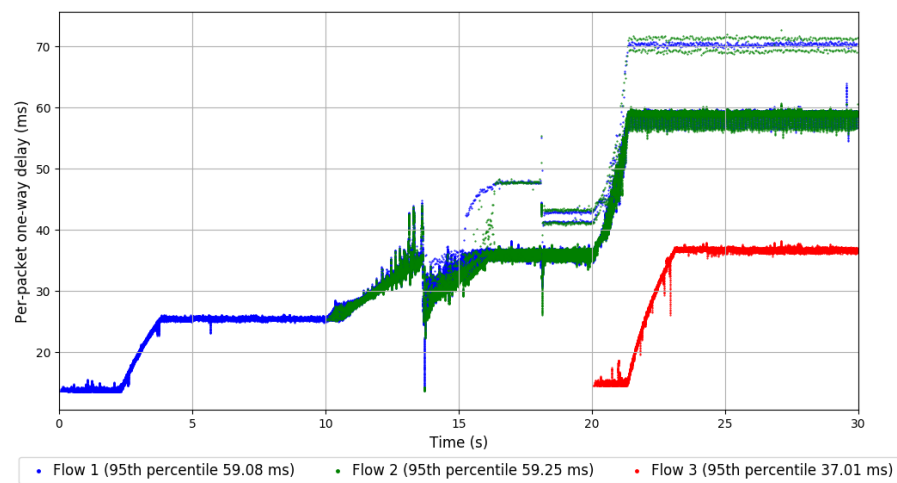
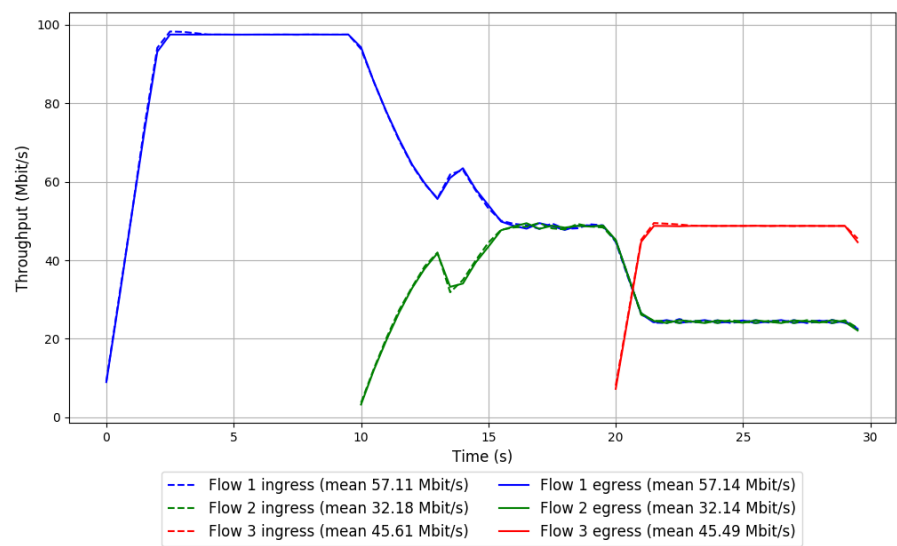


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 14:25:34
End at: 2018-02-16 14:26:04
Local clock offset: -2.595 ms
Remote clock offset: 30.966 ms

Below is generated by plot.py at 2018-02-16 18:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 59.122 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 59.081 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 59.246 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 37.006 ms
Loss rate: 0.50%

Run 10: Report of LEDBAT — Data Link

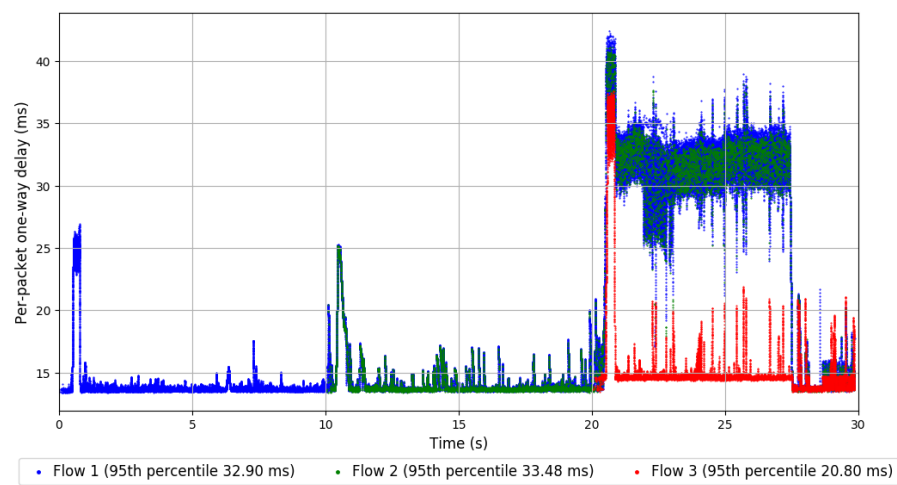
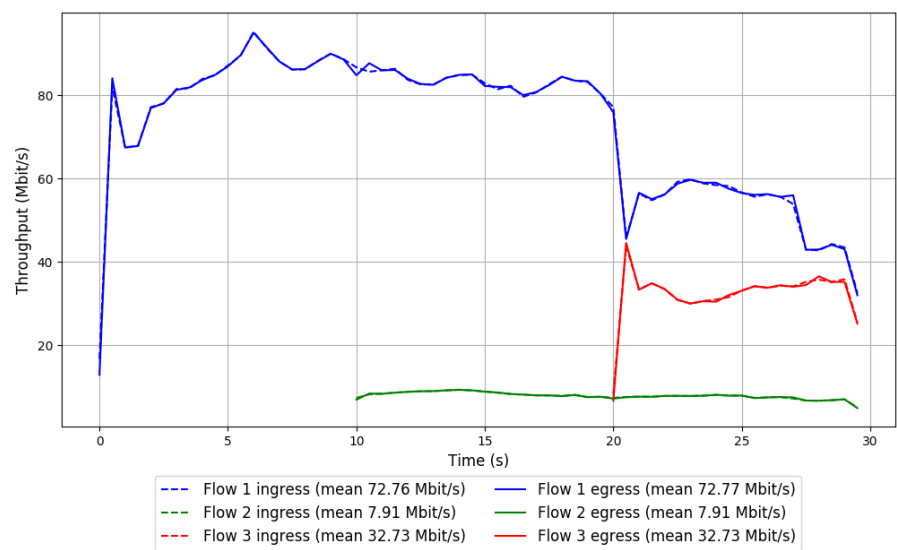


```
Run 1: Statistics of PCC

Start at: 2018-02-16 10:56:05
End at: 2018-02-16 10:56:35
Local clock offset: -8.427 ms
Remote clock offset: -4.512 ms

# Below is generated by plot.py at 2018-02-16 18:31:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 32.924 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 32.902 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 33.482 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 20.803 ms
Loss rate: 0.29%
```

Run 1: Report of PCC — Data Link

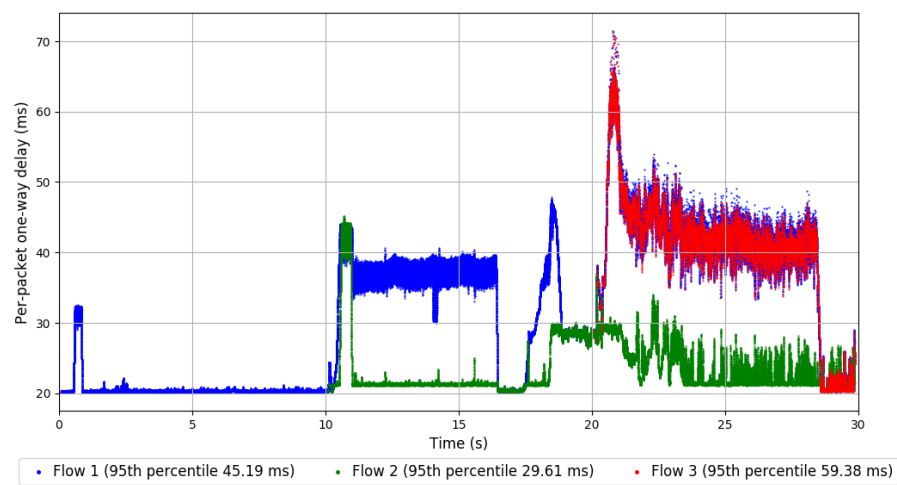
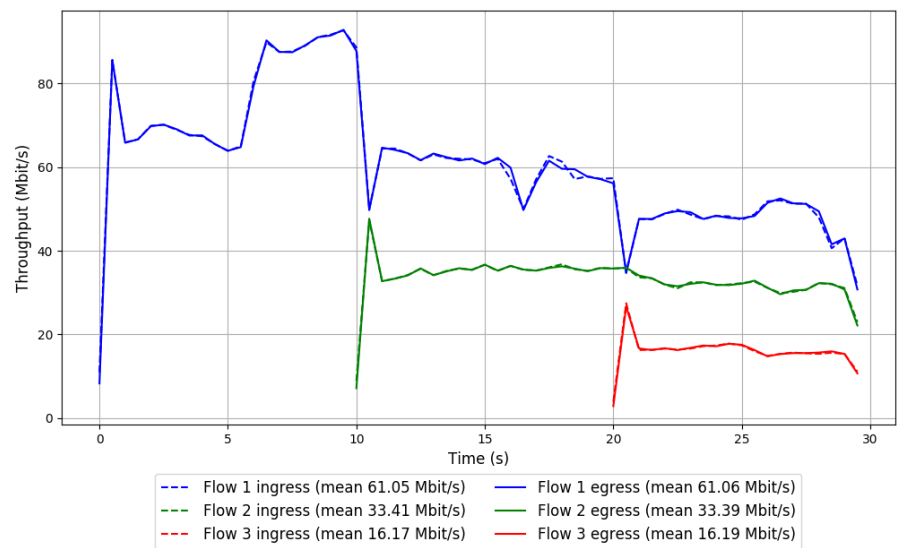


Run 2: Statistics of PCC

Start at: 2018-02-16 11:19:56
End at: 2018-02-16 11:20:26
Local clock offset: -11.507 ms
Remote clock offset: -3.719 ms

Below is generated by plot.py at 2018-02-16 18:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 45.007 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 45.190 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 29.613 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 16.19 Mbit/s
95th percentile per-packet one-way delay: 59.382 ms
Loss rate: 0.34%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 11:43:54

End at: 2018-02-16 11:44:24

Local clock offset: -1.329 ms

Remote clock offset: -3.07 ms

Below is generated by plot.py at 2018-02-16 18:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 41.776 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 61.94 Mbit/s

95th percentile per-packet one-way delay: 41.699 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 19.69 Mbit/s

95th percentile per-packet one-way delay: 42.901 ms

Loss rate: 0.14%

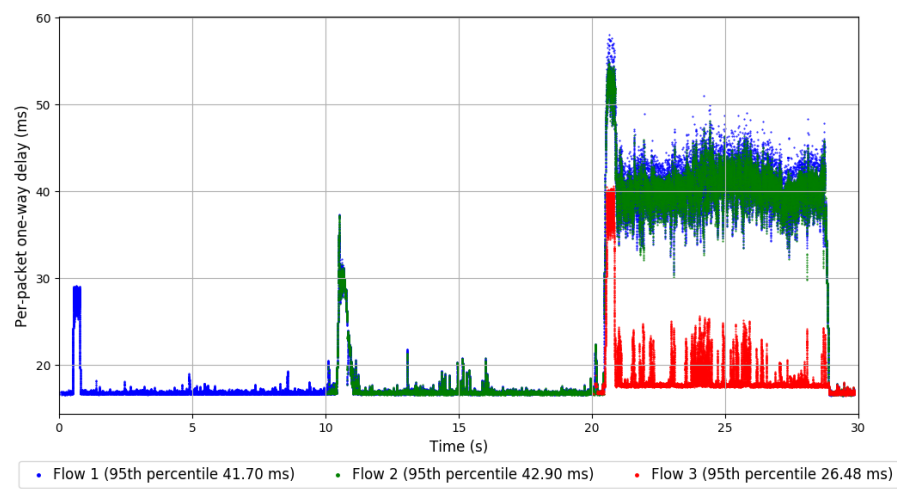
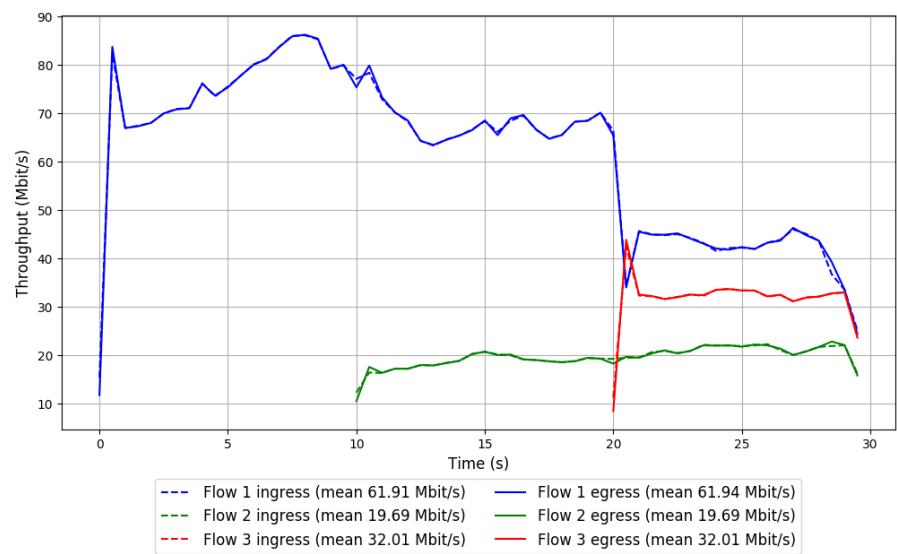
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 26.484 ms

Loss rate: 0.26%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-16 12:07:15

End at: 2018-02-16 12:07:45

Local clock offset: -6.214 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-02-16 18:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 34.620 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 34.561 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 34.984 ms

Loss rate: 0.15%

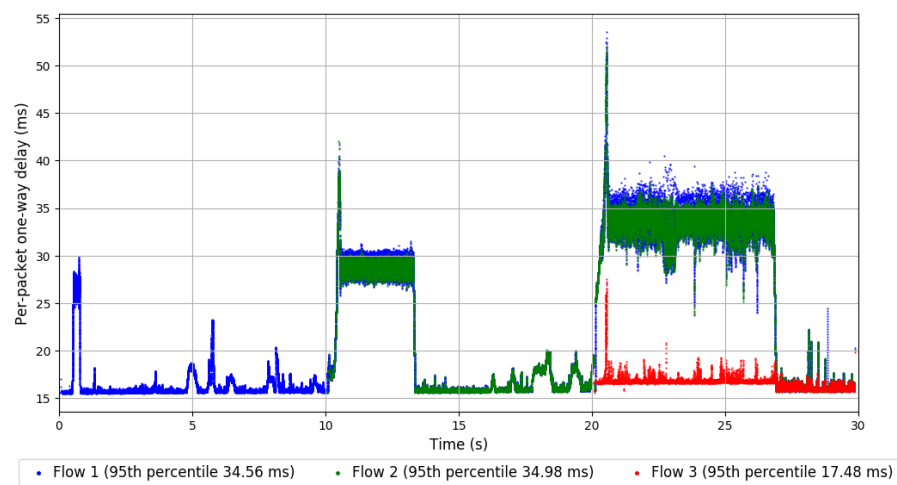
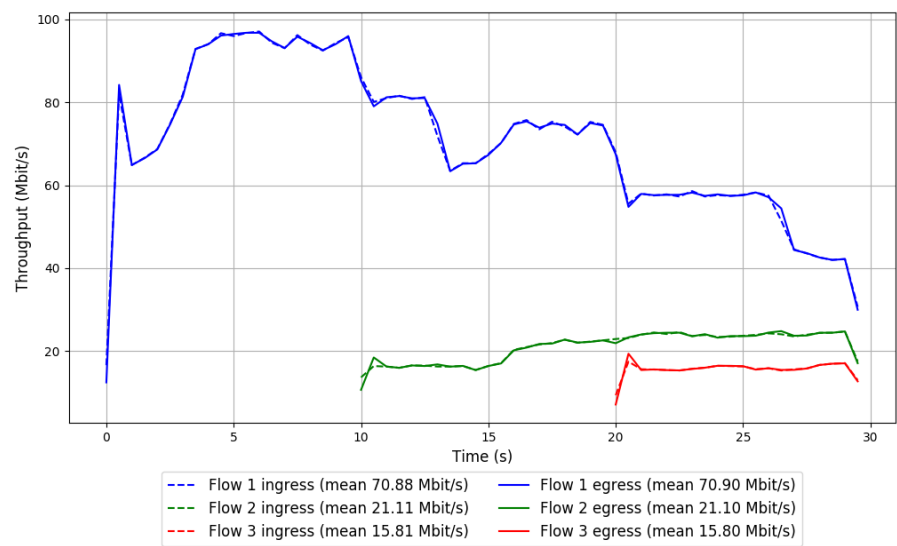
-- Flow 3:

Average throughput: 15.80 Mbit/s

95th percentile per-packet one-way delay: 17.481 ms

Loss rate: 0.28%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-16 12:30:49

End at: 2018-02-16 12:31:19

Local clock offset: -8.522 ms

Remote clock offset: 4.157 ms

Below is generated by plot.py at 2018-02-16 18:31:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 50.435 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 49.410 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.29%

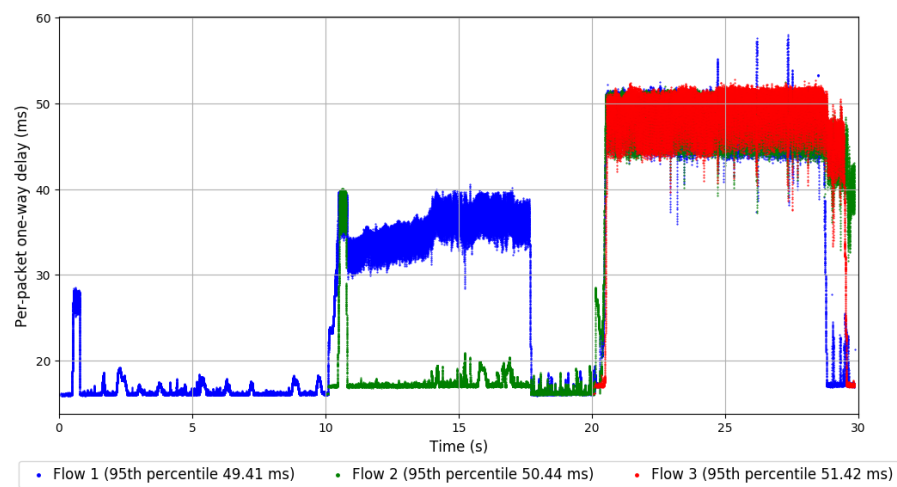
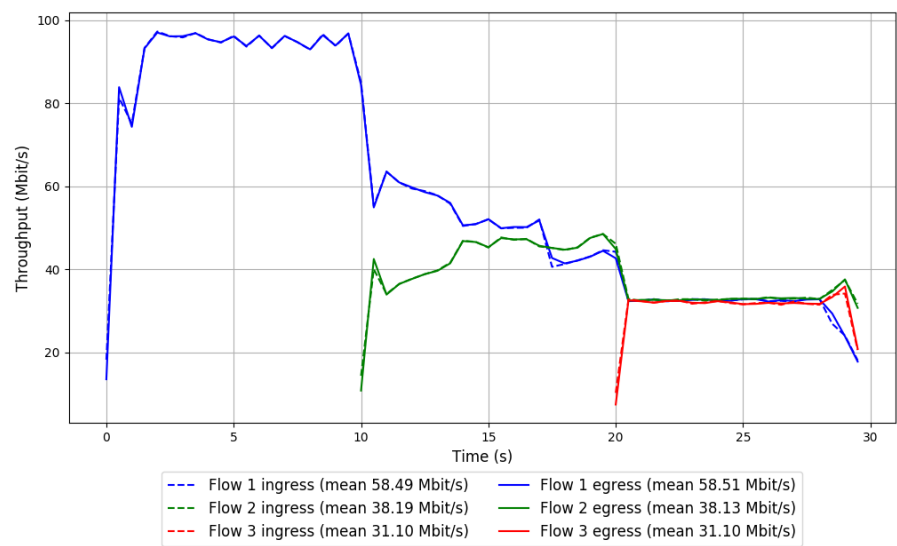
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 51.422 ms

Loss rate: 0.25%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-16 12:53:56

End at: 2018-02-16 12:54:26

Local clock offset: 1.884 ms

Remote clock offset: 7.458 ms

Below is generated by plot.py at 2018-02-16 18:32:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 54.771 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 61.56 Mbit/s

95th percentile per-packet one-way delay: 53.983 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 55.005 ms

Loss rate: 0.31%

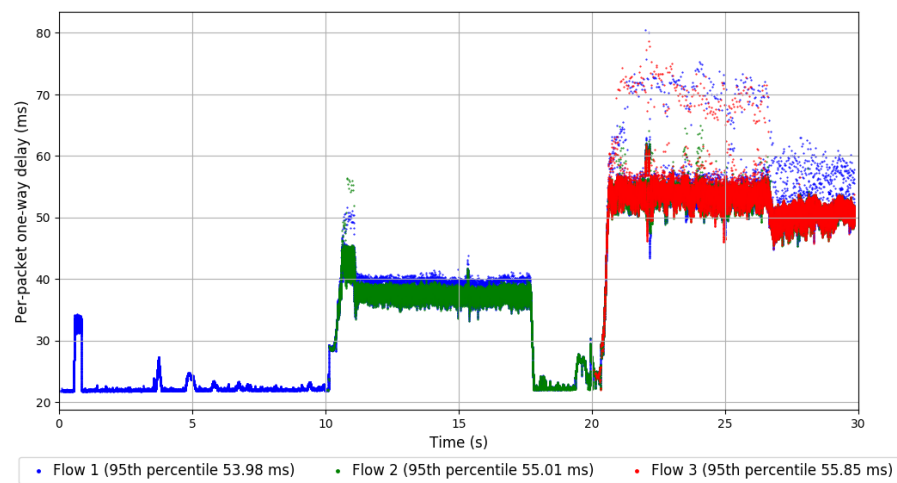
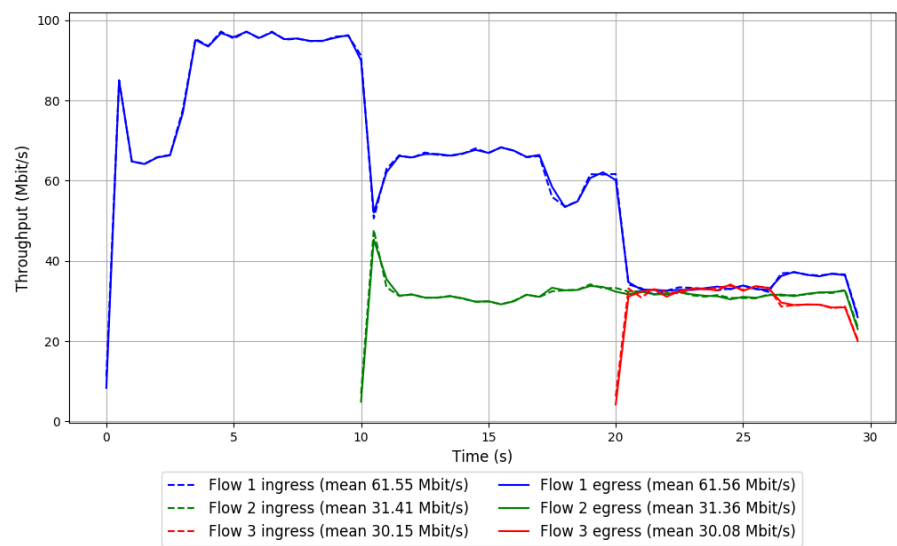
-- Flow 3:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 55.850 ms

Loss rate: 0.56%

Run 6: Report of PCC — Data Link

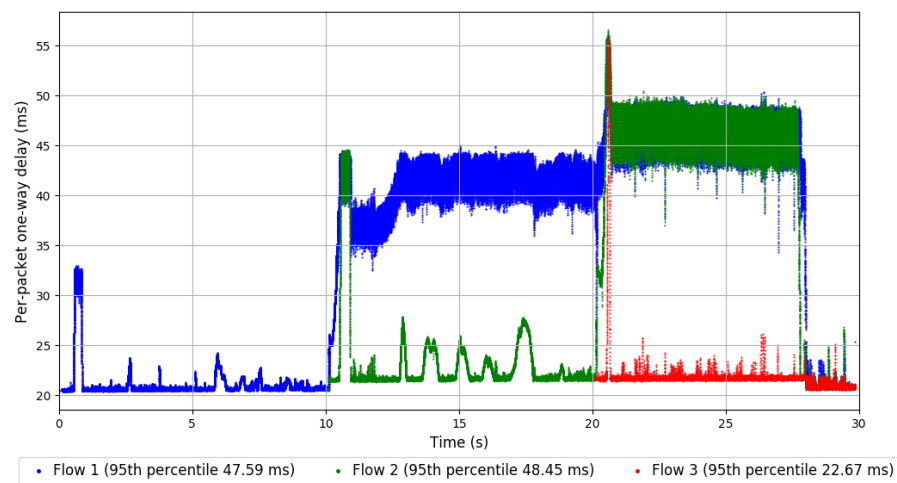
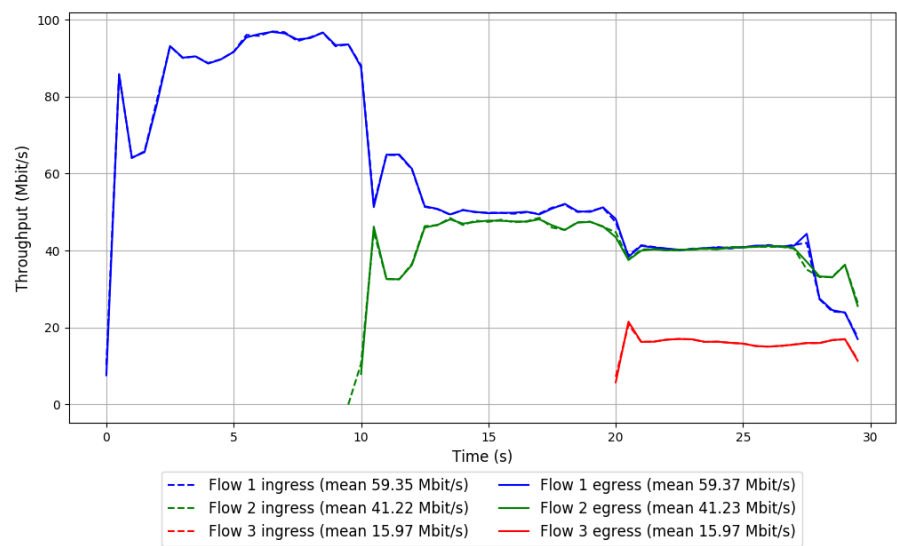


Run 7: Statistics of PCC

Start at: 2018-02-16 13:17:52
End at: 2018-02-16 13:18:22
Local clock offset: -2.447 ms
Remote clock offset: 19.784 ms

Below is generated by plot.py at 2018-02-16 18:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 47.963 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 47.593 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 48.454 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 22.673 ms
Loss rate: 0.32%

Run 7: Report of PCC — Data Link

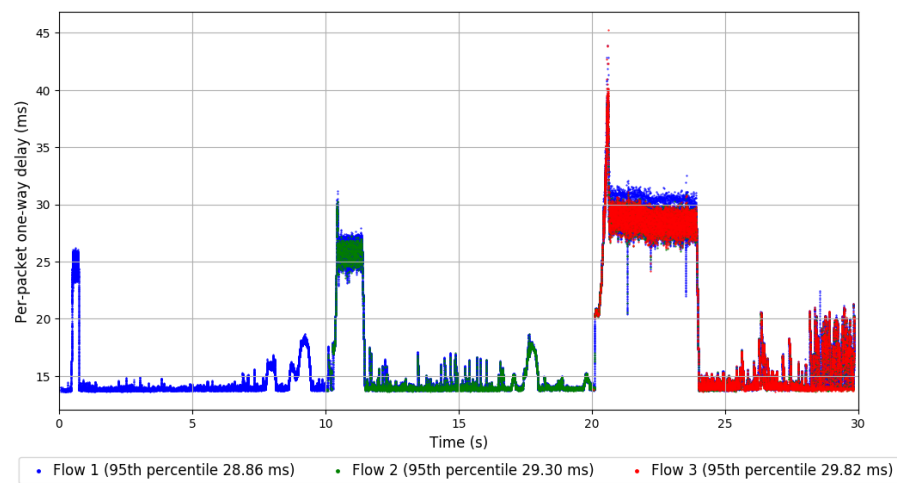
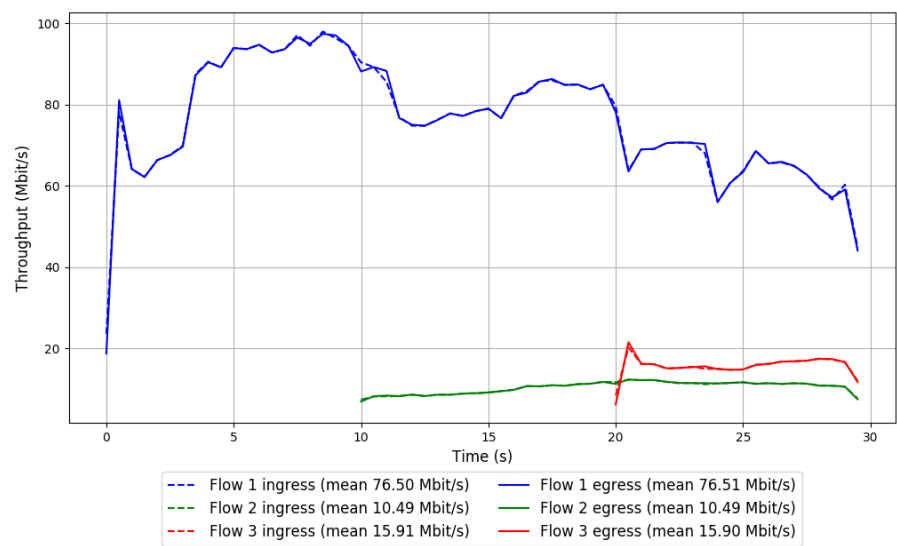


Run 8: Statistics of PCC

Start at: 2018-02-16 13:42:39
End at: 2018-02-16 13:43:10
Local clock offset: -2.753 ms
Remote clock offset: 23.068 ms

Below is generated by plot.py at 2018-02-16 18:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 29.052 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 28.860 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 29.303 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 29.821 ms
Loss rate: 0.26%

Run 8: Report of PCC — Data Link

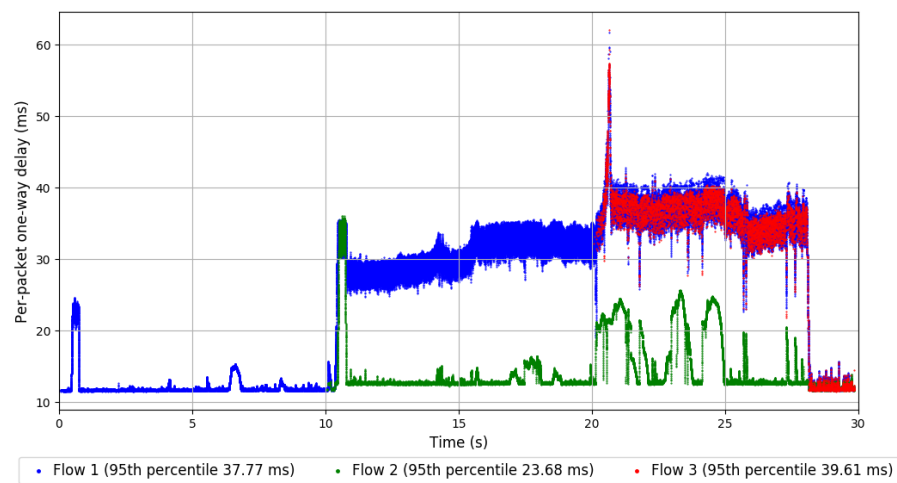
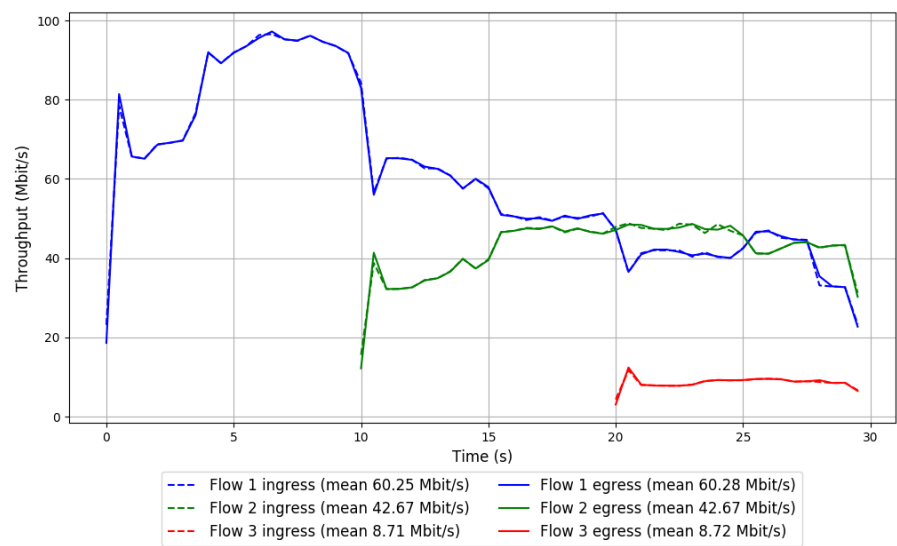


Run 9: Statistics of PCC

Start at: 2018-02-16 14:05:43
End at: 2018-02-16 14:06:13
Local clock offset: -4.688 ms
Remote clock offset: 26.486 ms

Below is generated by plot.py at 2018-02-16 18:32:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 37.341 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 37.767 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 23.677 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 39.607 ms
Loss rate: 0.24%

Run 9: Report of PCC — Data Link

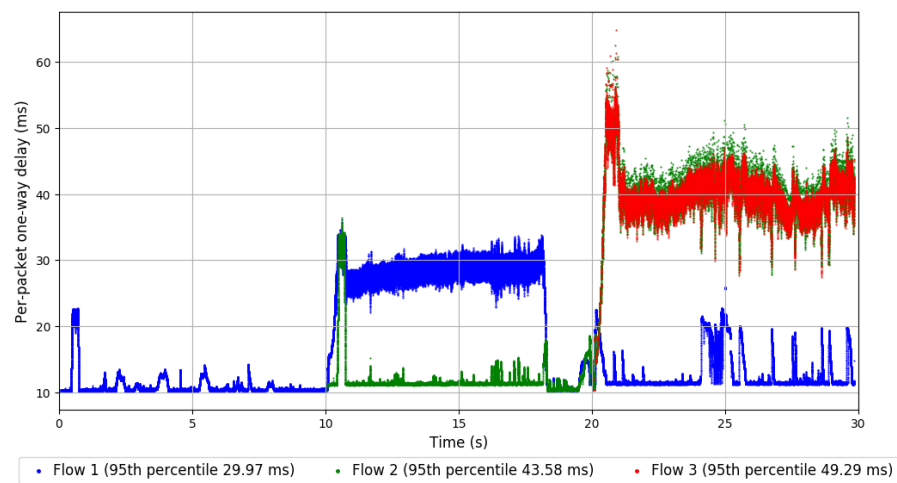
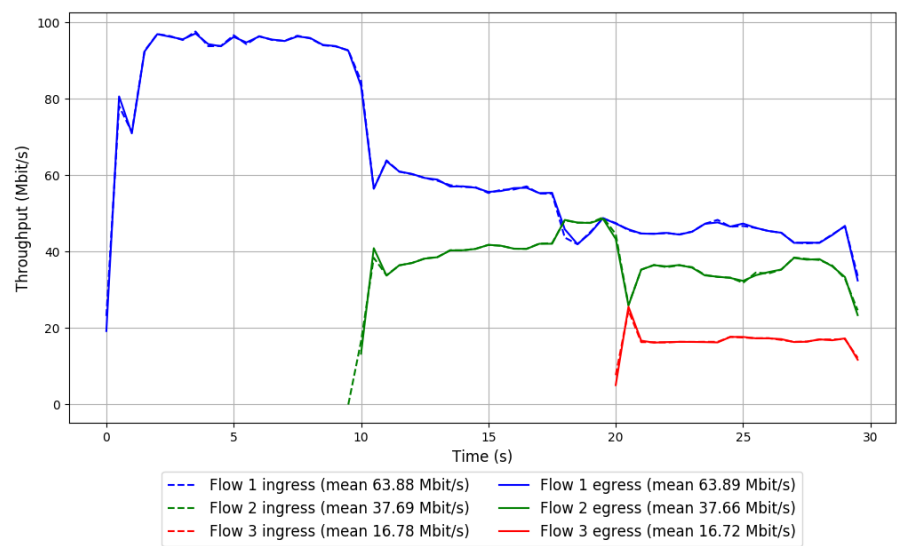


Run 10: Statistics of PCC

Start at: 2018-02-16 14:29:14
End at: 2018-02-16 14:29:44
Local clock offset: -5.794 ms
Remote clock offset: 31.806 ms

Below is generated by plot.py at 2018-02-16 18:32:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 41.592 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 29.968 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 43.576 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 49.292 ms
Loss rate: 0.55%

Run 10: Report of PCC — Data Link

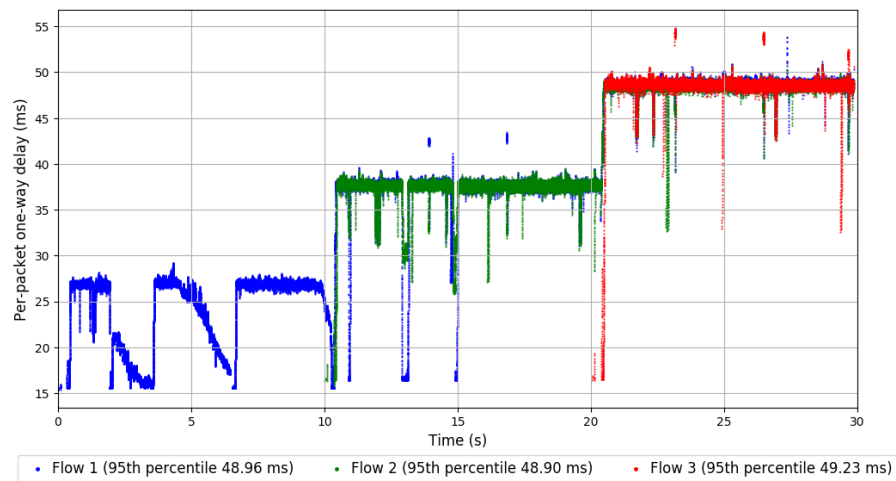
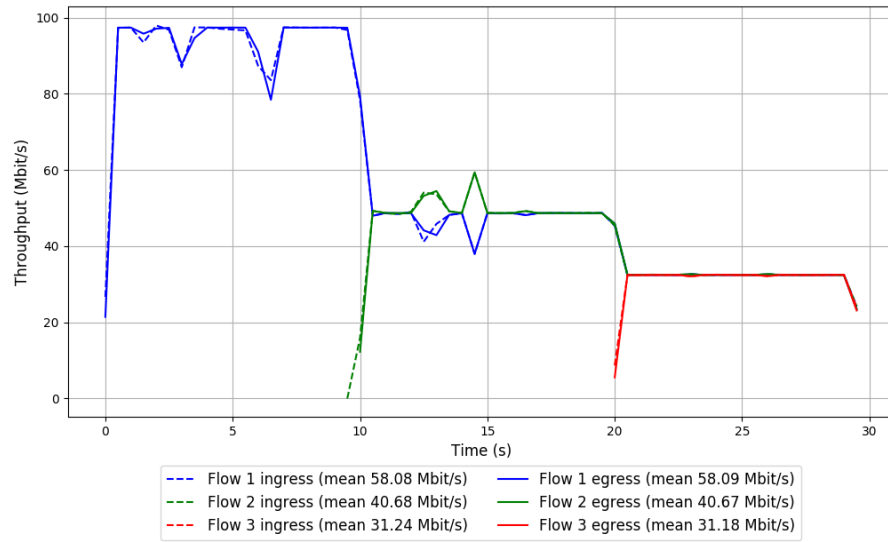


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 10:37:30
End at: 2018-02-16 10:38:00
Local clock offset: -3.711 ms
Remote clock offset: -2.754 ms

Below is generated by plot.py at 2018-02-16 18:32:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 48.996 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 48.959 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 48.899 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 49.226 ms
Loss rate: 0.64%

Run 1: Report of QUIC Cubic — Data Link

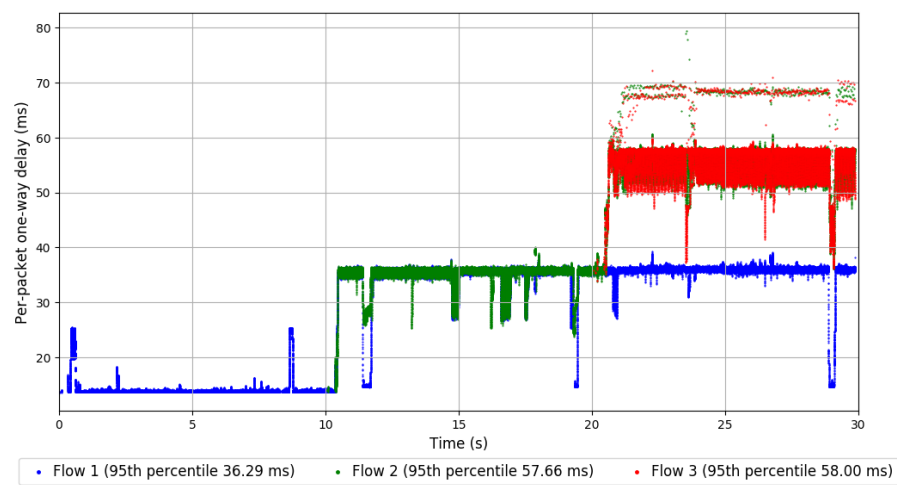
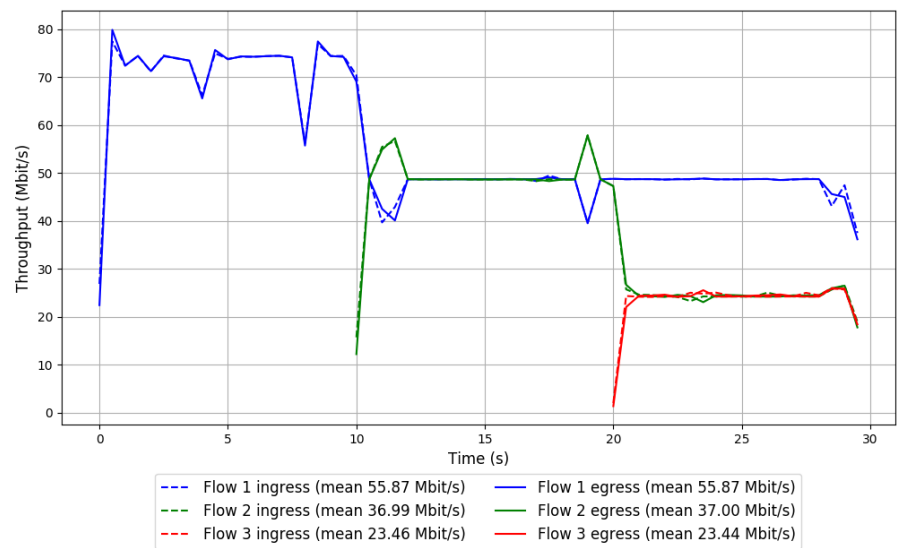


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 11:01:19
End at: 2018-02-16 11:01:49
Local clock offset: -9.439 ms
Remote clock offset: -4.709 ms

Below is generated by plot.py at 2018-02-16 18:32:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 57.392 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 36.291 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 57.658 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 57.998 ms
Loss rate: 0.76%

Run 2: Report of QUIC Cubic — Data Link

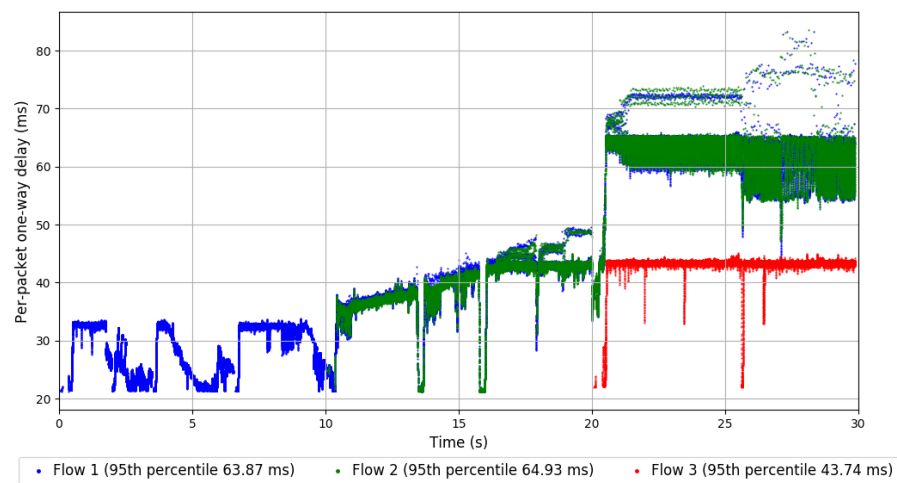
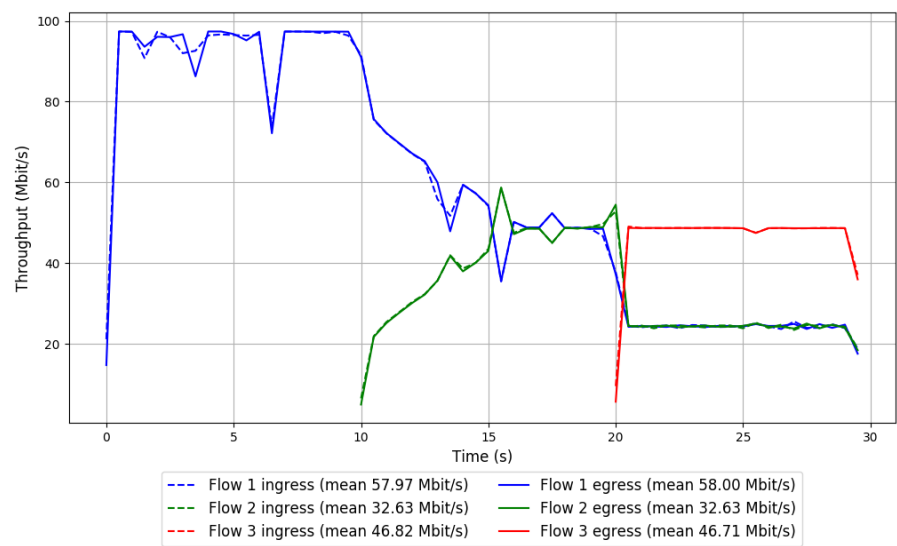


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 11:25:09
End at: 2018-02-16 11:25:39
Local clock offset: -8.794 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-02-16 18:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 64.340 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 63.867 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 64.929 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 43.738 ms
Loss rate: 0.58%

Run 3: Report of QUIC Cubic — Data Link

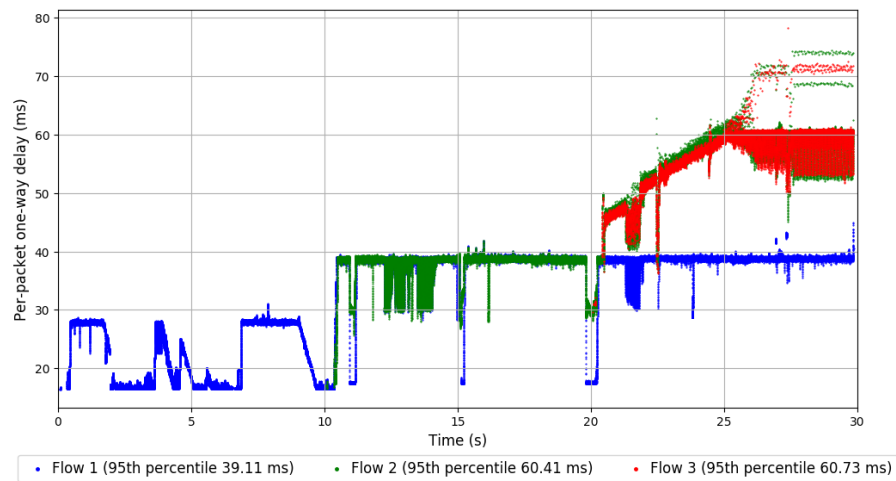
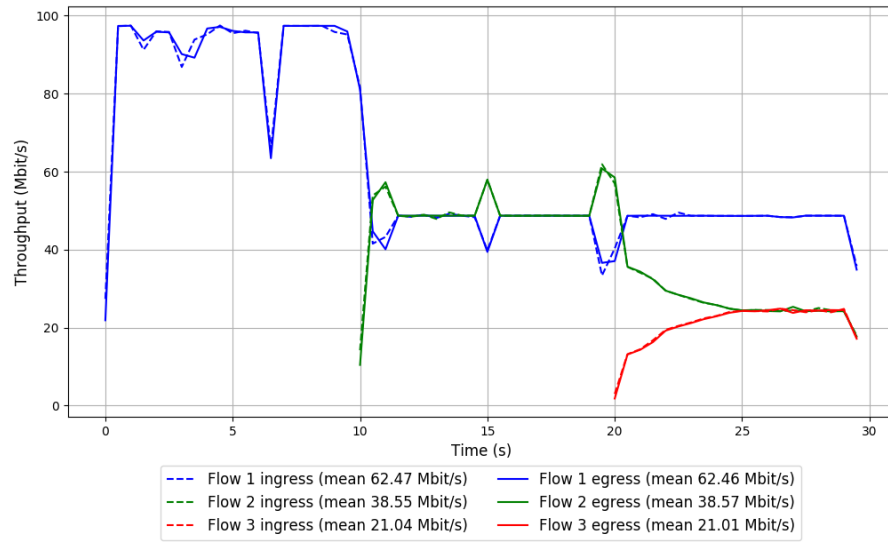


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 11:49:09
End at: 2018-02-16 11:49:39
Local clock offset: -0.612 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2018-02-16 18:34:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 59.496 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 39.112 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 60.408 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 60.733 ms
Loss rate: 0.71%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 12:12:43

End at: 2018-02-16 12:13:13

Local clock offset: -8.146 ms

Remote clock offset: 2.626 ms

Below is generated by plot.py at 2018-02-16 18:34:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 47.628 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 47.378 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 47.663 ms

Loss rate: 0.24%

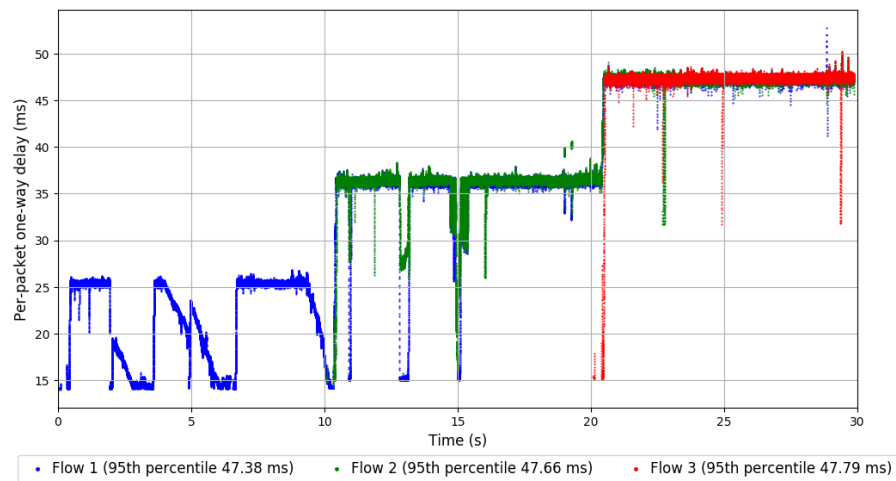
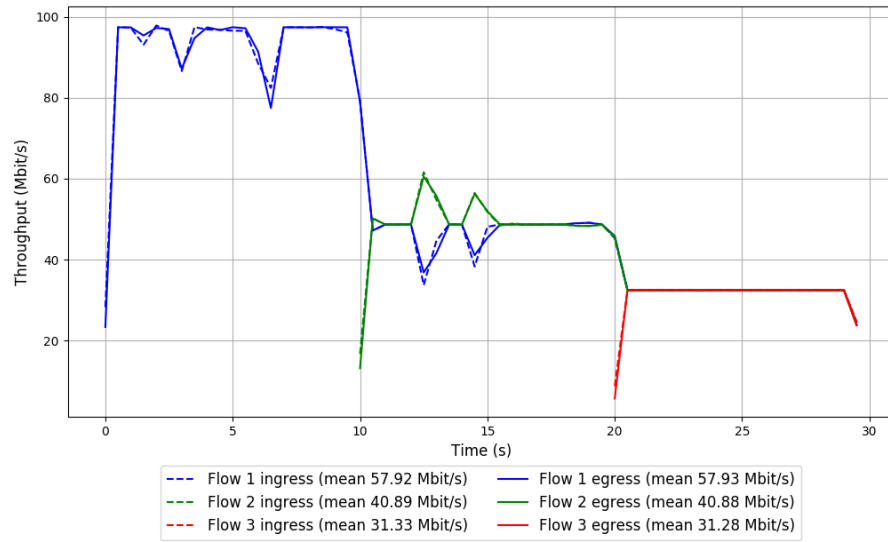
-- Flow 3:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 47.793 ms

Loss rate: 0.63%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 12:35:56

End at: 2018-02-16 12:36:26

Local clock offset: -7.074 ms

Remote clock offset: 5.421 ms

Below is generated by plot.py at 2018-02-16 18:34:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 56.841 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 57.103 ms

Loss rate: 0.23%

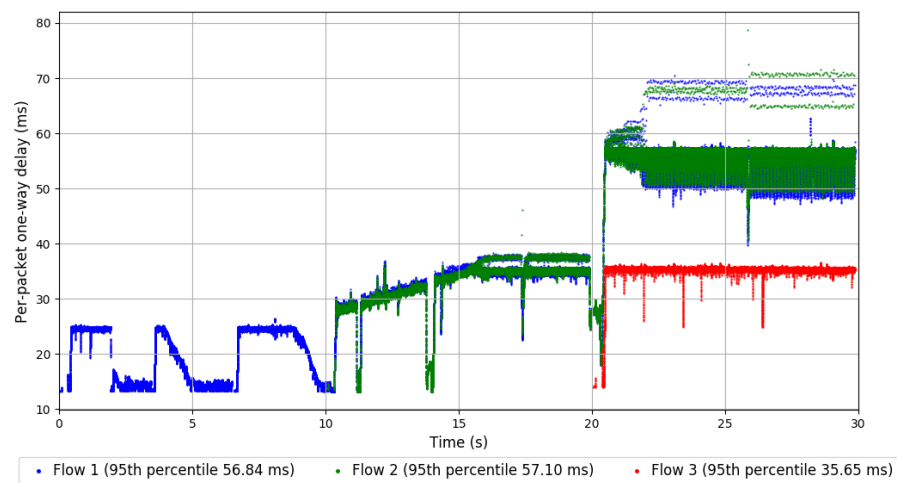
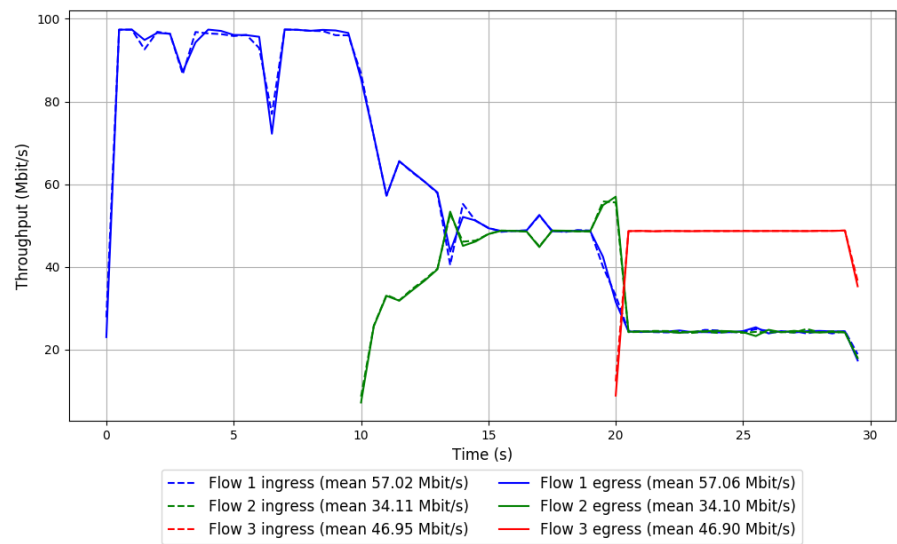
-- Flow 3:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 35.648 ms

Loss rate: 0.51%

Run 6: Report of QUIC Cubic — Data Link

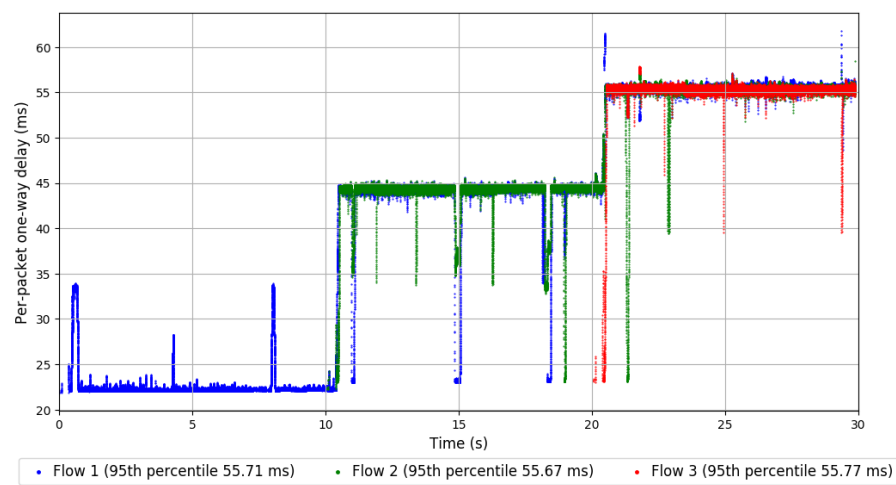
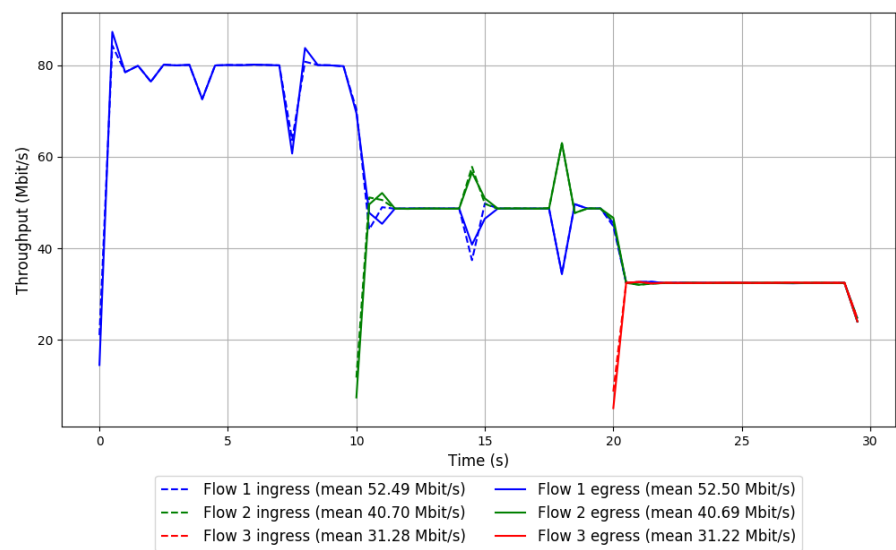


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 12:59:08
End at: 2018-02-16 12:59:38
Local clock offset: 2.158 ms
Remote clock offset: 11.449 ms

Below is generated by plot.py at 2018-02-16 18:34:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 55.710 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 55.709 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 55.669 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 55.767 ms
Loss rate: 0.69%

Run 7: Report of QUIC Cubic — Data Link

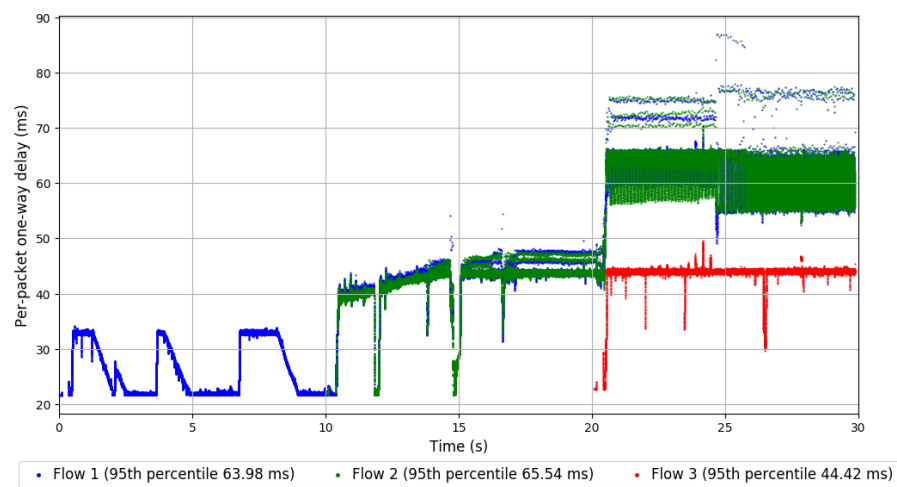
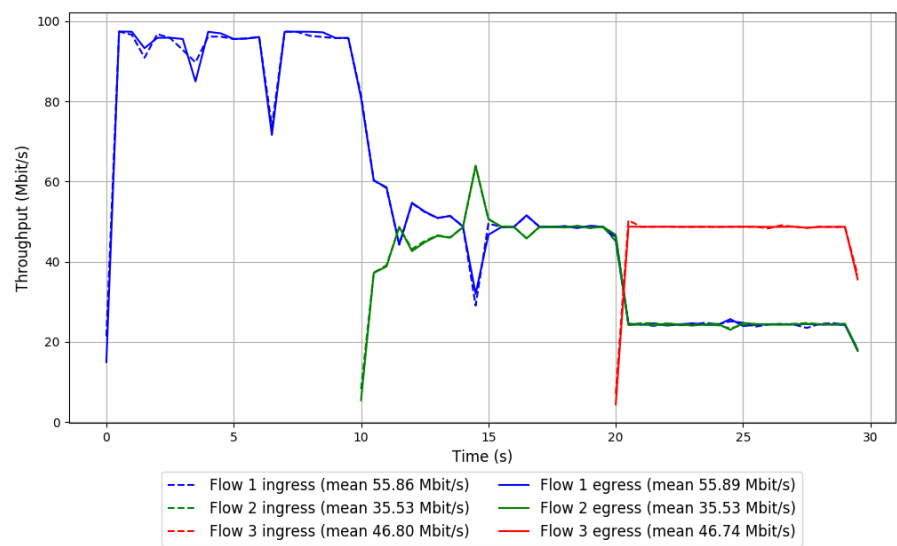


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 13:23:35
End at: 2018-02-16 13:24:05
Local clock offset: -2.838 ms
Remote clock offset: 20.784 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 64.544 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 63.976 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 65.540 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 44.416 ms
Loss rate: 0.58%

Run 8: Report of QUIC Cubic — Data Link

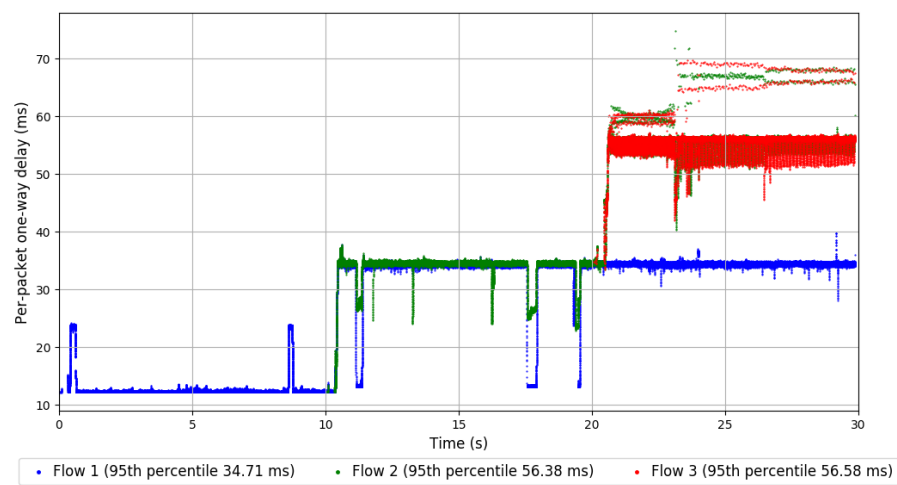
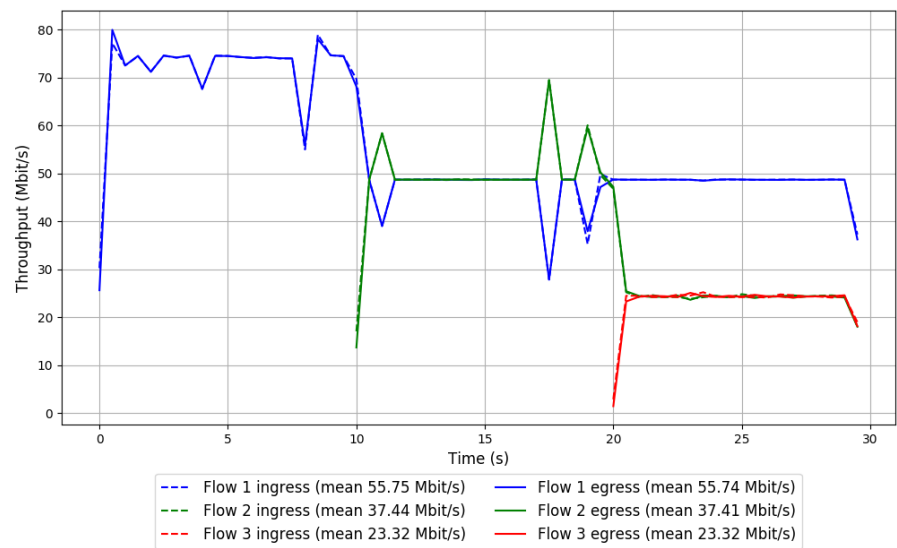


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 13:47:41
End at: 2018-02-16 13:48:11
Local clock offset: -3.899 ms
Remote clock offset: 23.941 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 56.260 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 34.713 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 56.385 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 0.72%

Run 9: Report of QUIC Cubic — Data Link

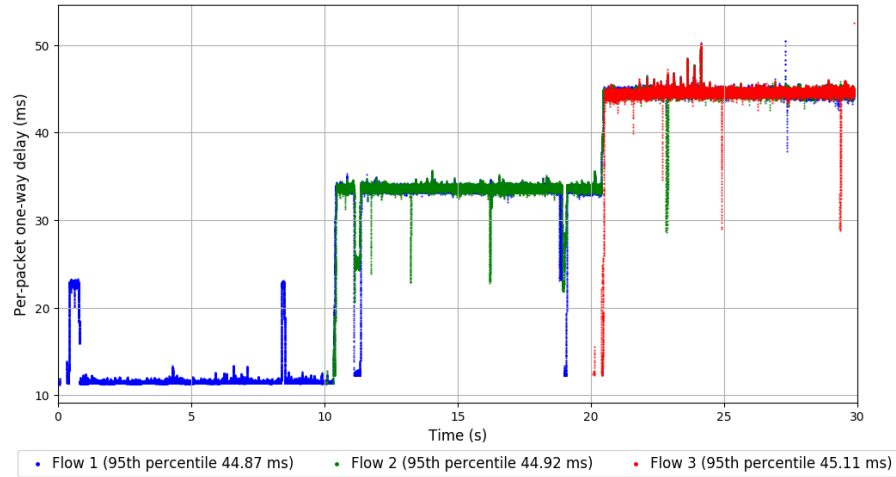
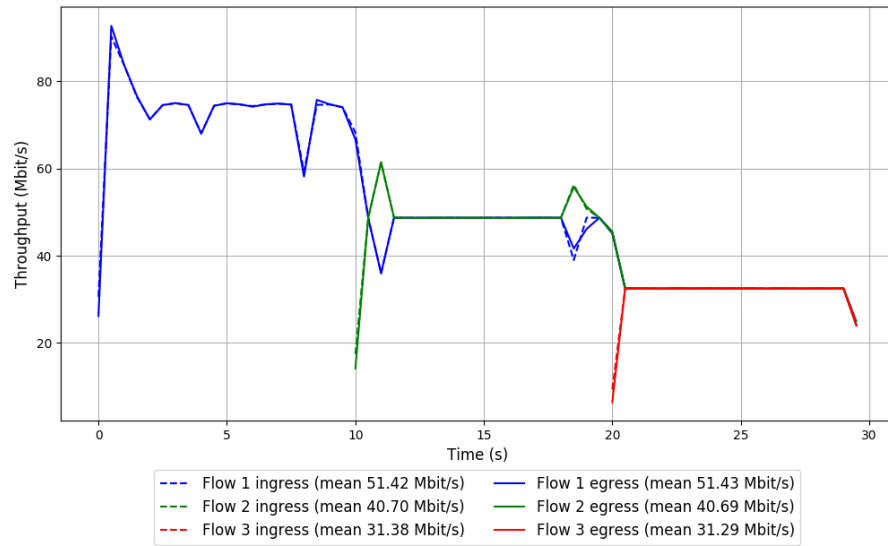


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 14:11:06
End at: 2018-02-16 14:11:36
Local clock offset: -4.453 ms
Remote clock offset: 27.951 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 44.945 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 44.871 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 45.111 ms
Loss rate: 0.60%

Run 10: Report of QUIC Cubic — Data Link

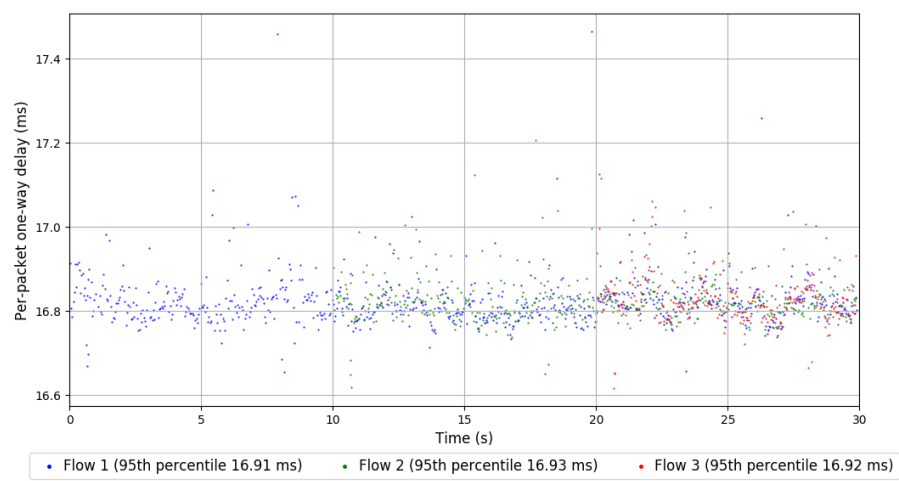
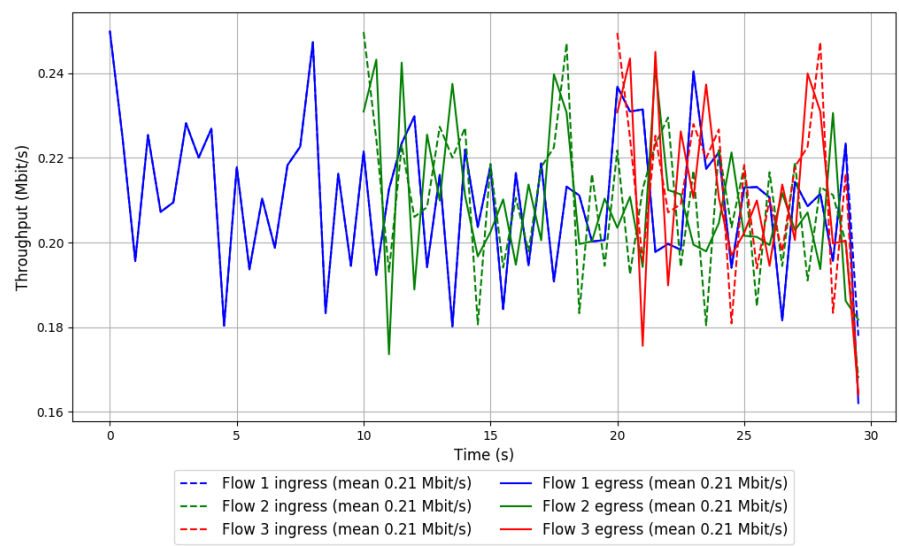


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 10:43:05
End at: 2018-02-16 10:43:35
Local clock offset: -3.8 ms
Remote clock offset: -4.348 ms

# Below is generated by plot.py at 2018-02-16 18:34:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 16.919 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.913 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.919 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

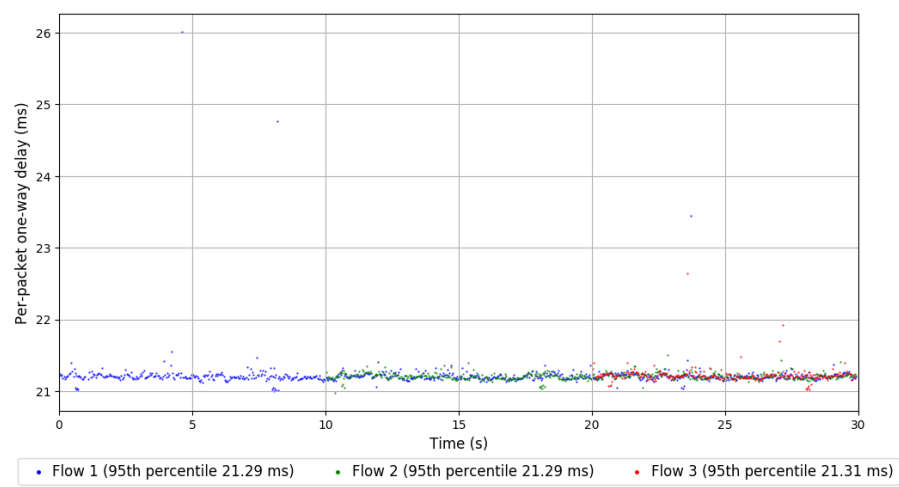
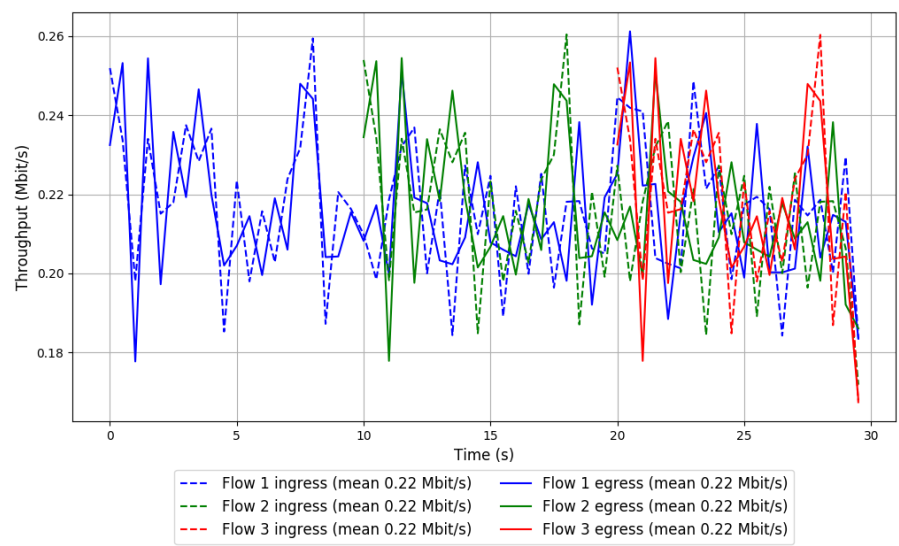


Run 2: Statistics of SReAM

Start at: 2018-02-16 11:07:02
End at: 2018-02-16 11:07:32
Local clock offset: -8.246 ms
Remote clock offset: -4.512 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.287 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.287 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.309 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

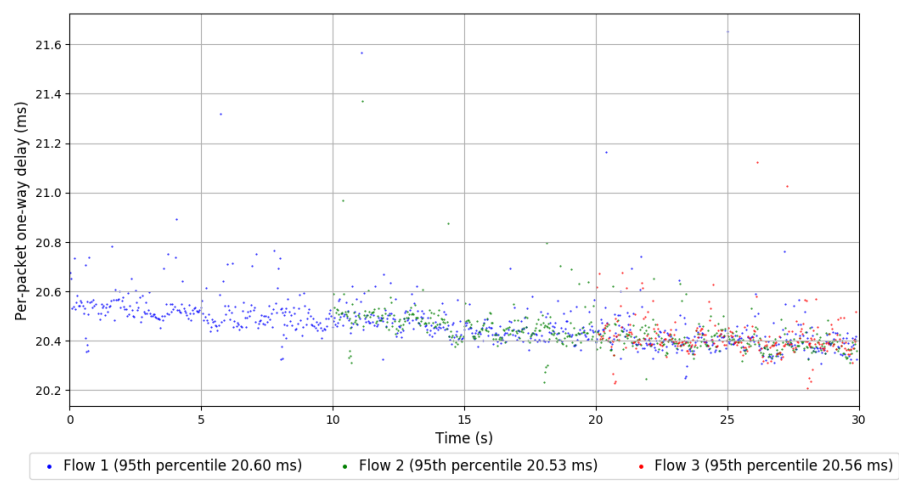
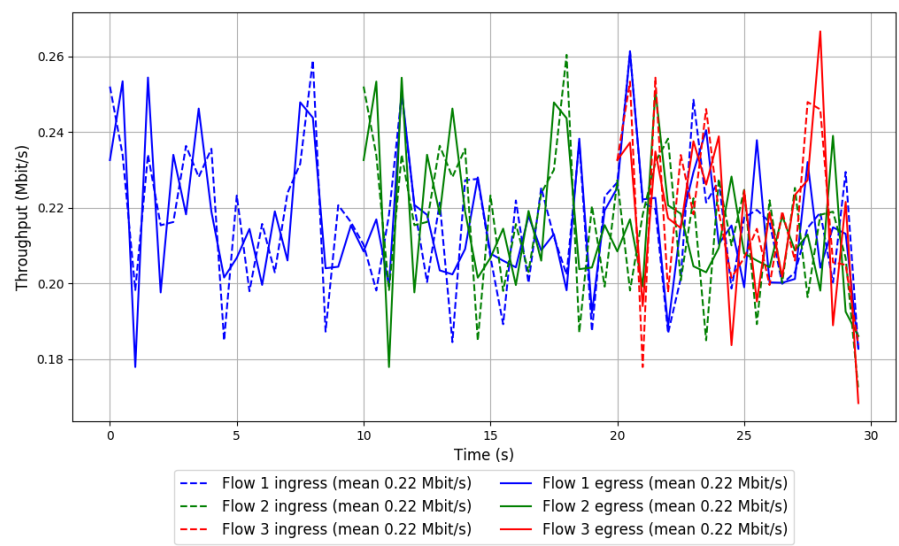


Run 3: Statistics of SReAM

Start at: 2018-02-16 11:30:45
End at: 2018-02-16 11:31:15
Local clock offset: -6.139 ms
Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.578 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.603 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.560 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

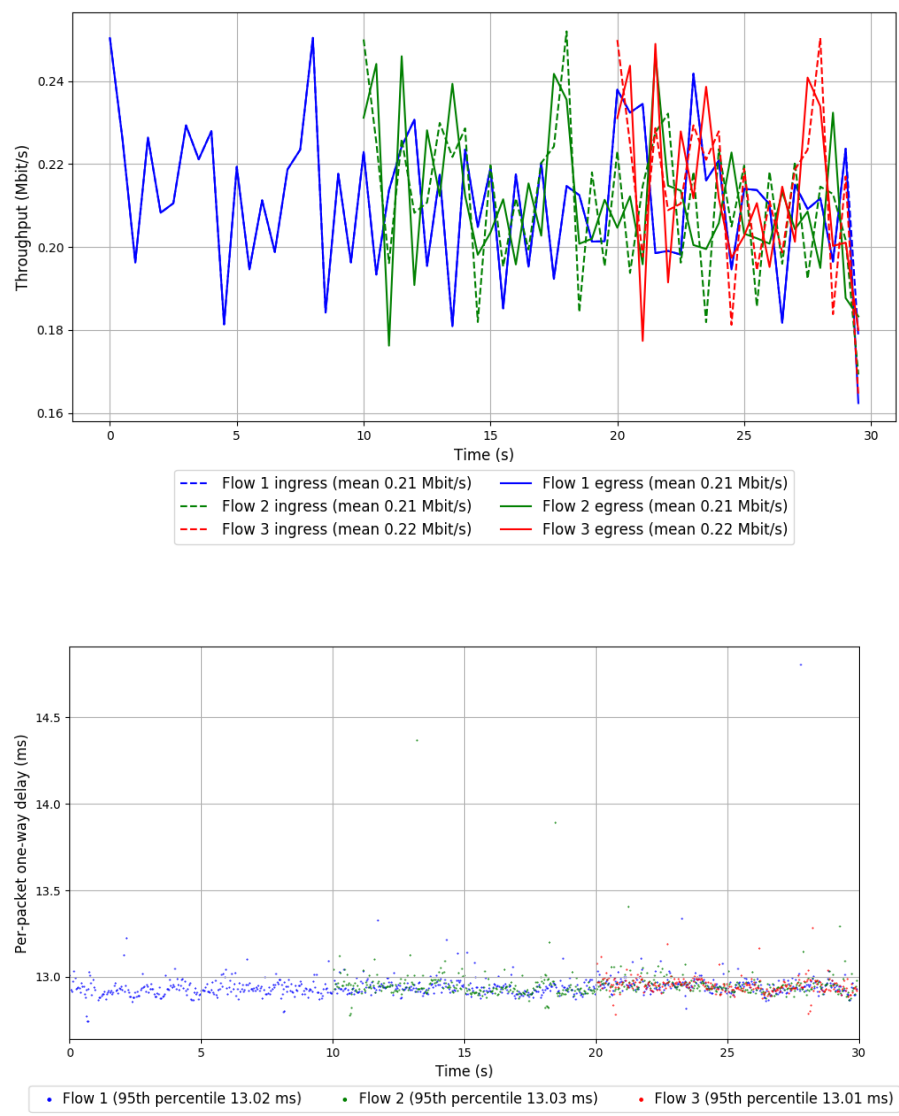


Run 4: Statistics of SReAM

Start at: 2018-02-16 11:54:35
End at: 2018-02-16 11:55:05
Local clock offset: -3.983 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 13.024 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.017 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.009 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-16 12:18:14

End at: 2018-02-16 12:18:44

Local clock offset: -6.659 ms

Remote clock offset: 1.587 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 17.990 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.980 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.988 ms

Loss rate: 0.00%

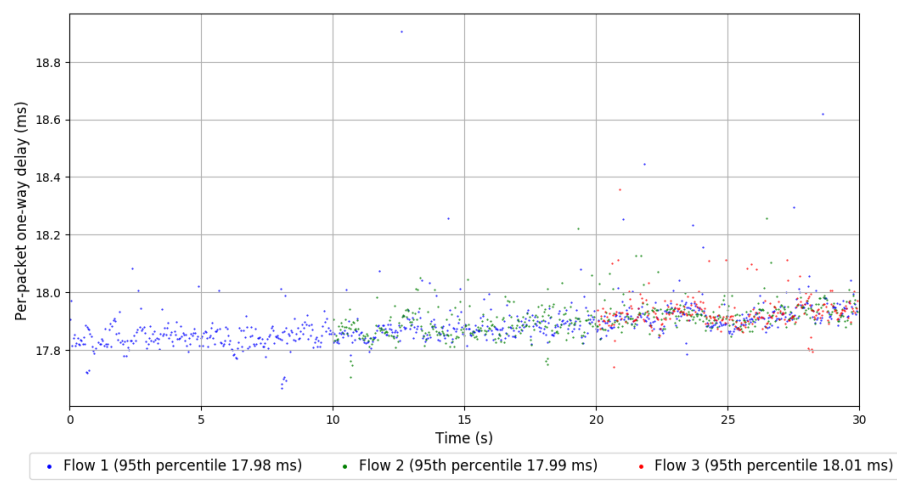
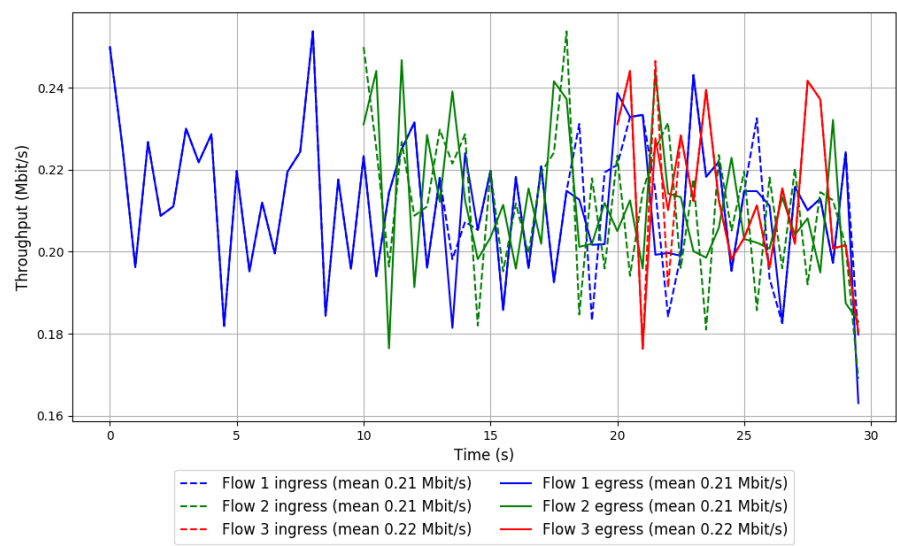
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.006 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-16 12:41:20

End at: 2018-02-16 12:41:50

Local clock offset: -2.464 ms

Remote clock offset: 5.599 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.669 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.679 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.630 ms

Loss rate: 0.00%

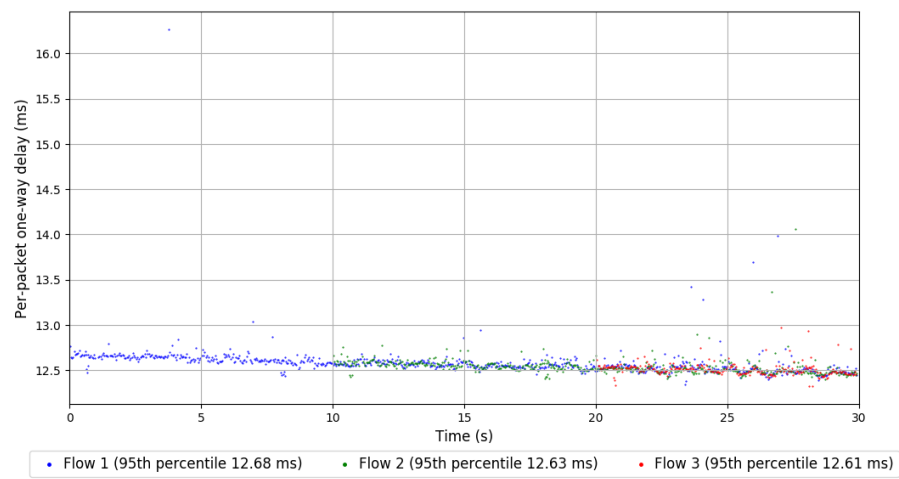
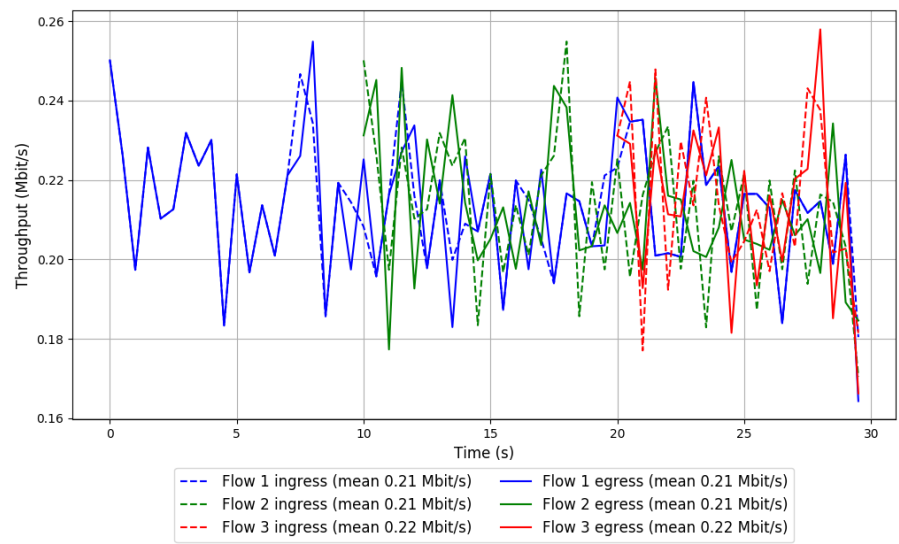
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.610 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

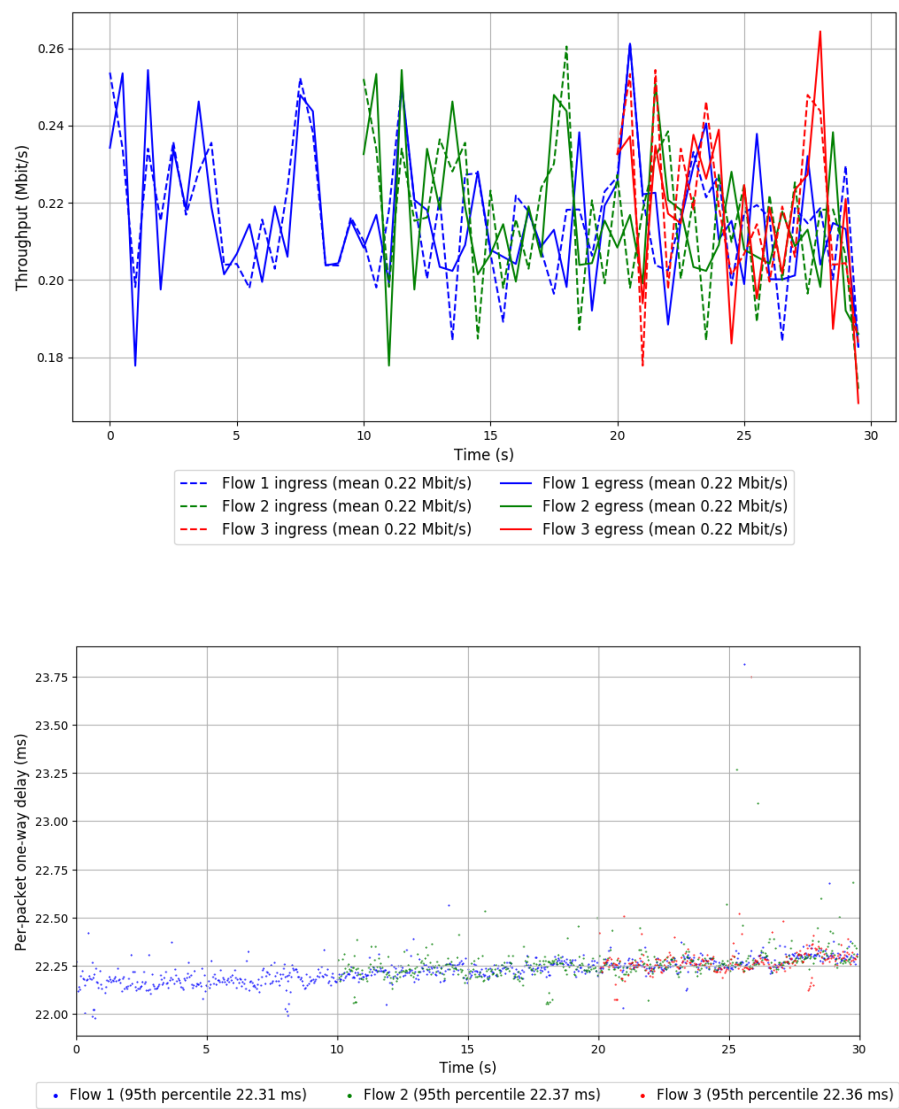


Run 7: Statistics of SReAM

Start at: 2018-02-16 13:04:39
End at: 2018-02-16 13:05:09
Local clock offset: 3.61 ms
Remote clock offset: 15.048 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.343 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.311 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.361 ms
Loss rate: 0.35%
```


Run 7: Report of SReAM — Data Link

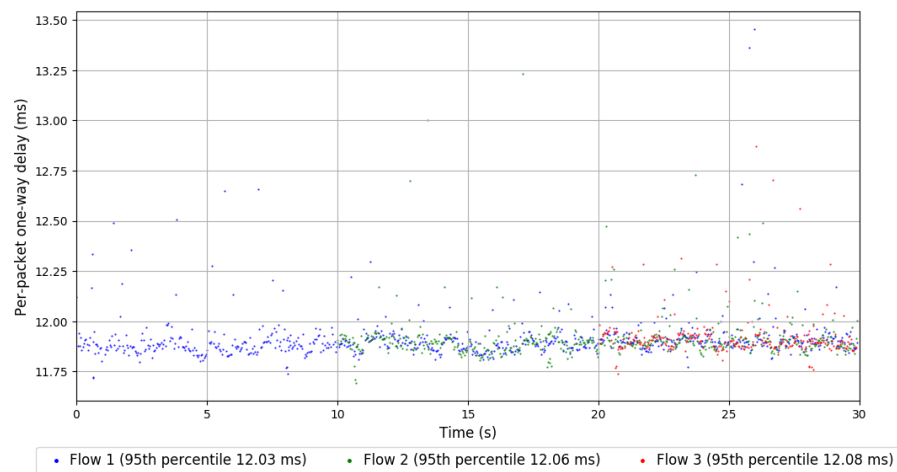
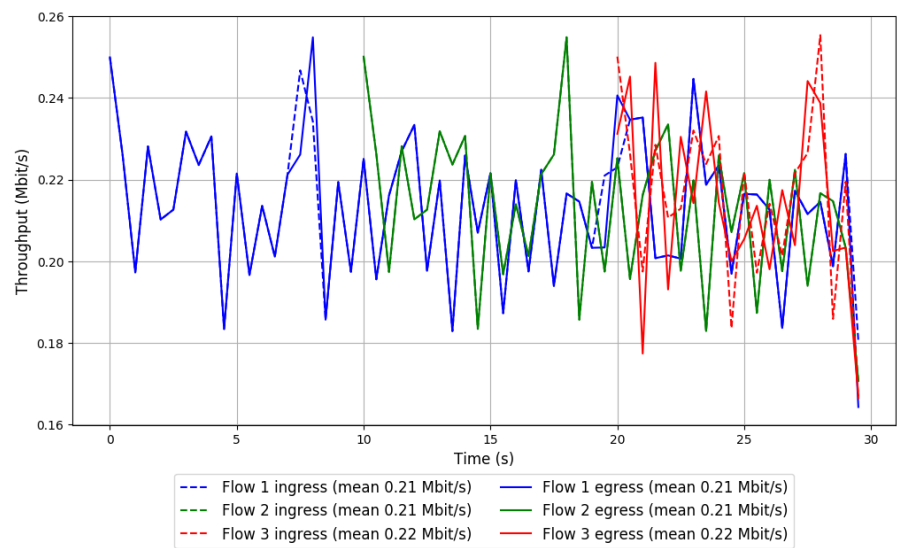


Run 8: Statistics of SReAM

Start at: 2018-02-16 13:29:33
End at: 2018-02-16 13:30:03
Local clock offset: -3.784 ms
Remote clock offset: 22.324 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.055 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.025 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.081 ms
Loss rate: 0.36%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-02-16 13:52:55

End at: 2018-02-16 13:53:25

Local clock offset: -4.743 ms

Remote clock offset: 25.78 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.456 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.439 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.464 ms

Loss rate: 0.00%

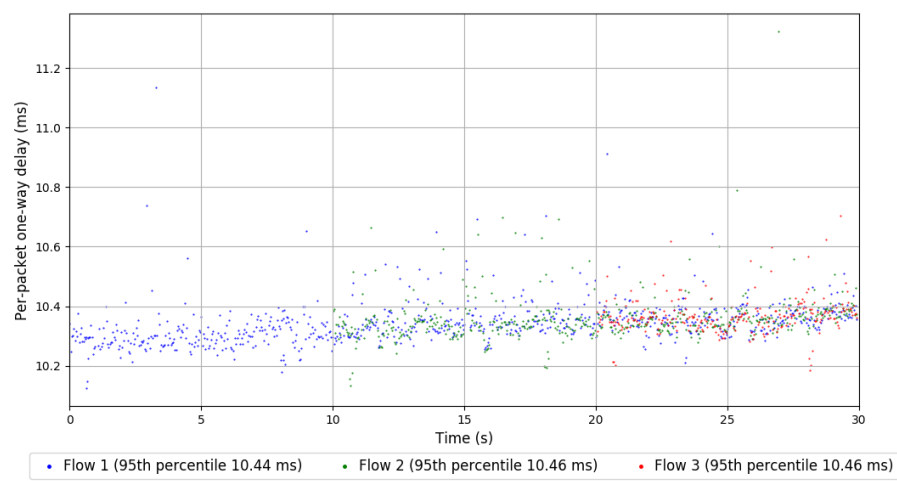
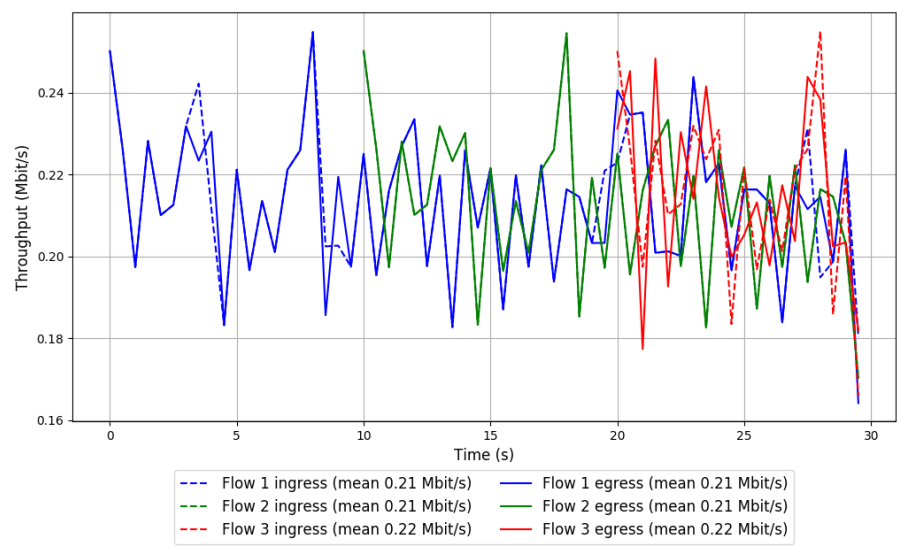
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.459 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

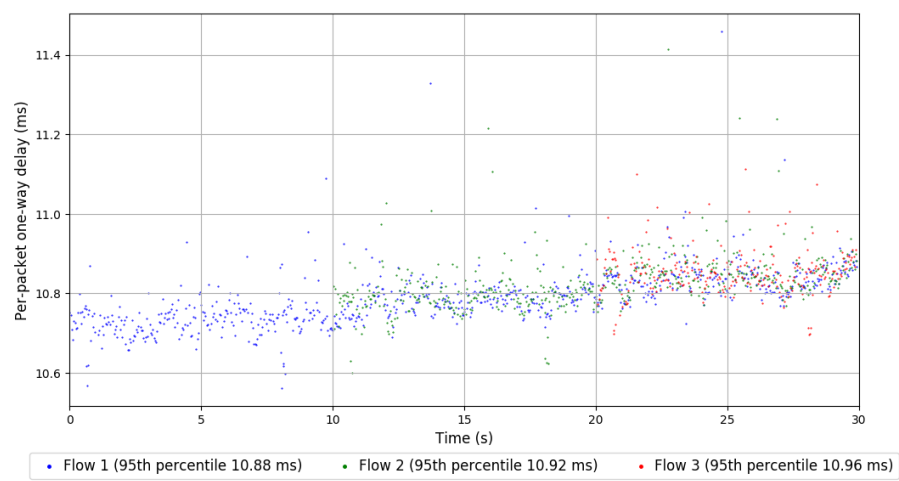
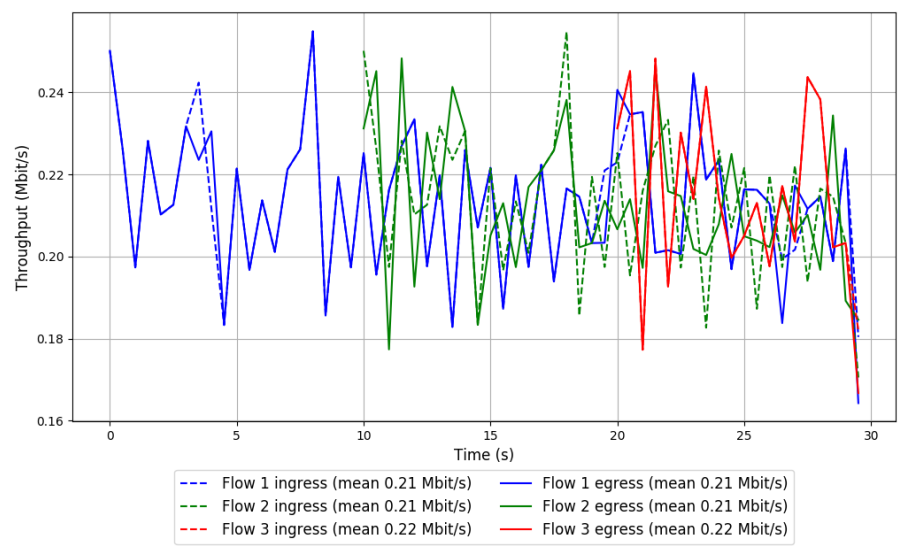


Run 10: Statistics of SReAM

Start at: 2018-02-16 14:16:34
End at: 2018-02-16 14:17:04
Local clock offset: -5.005 ms
Remote clock offset: 29.185 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.907 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.884 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.957 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-16 10:54:57

End at: 2018-02-16 10:55:27

Local clock offset: -5.125 ms

Remote clock offset: -5.51 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 18.633 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 18.695 ms

Loss rate: 0.48%

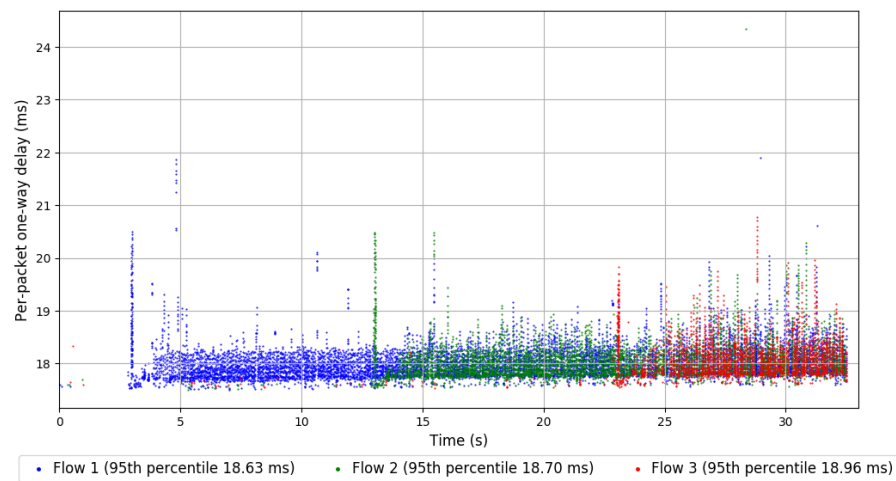
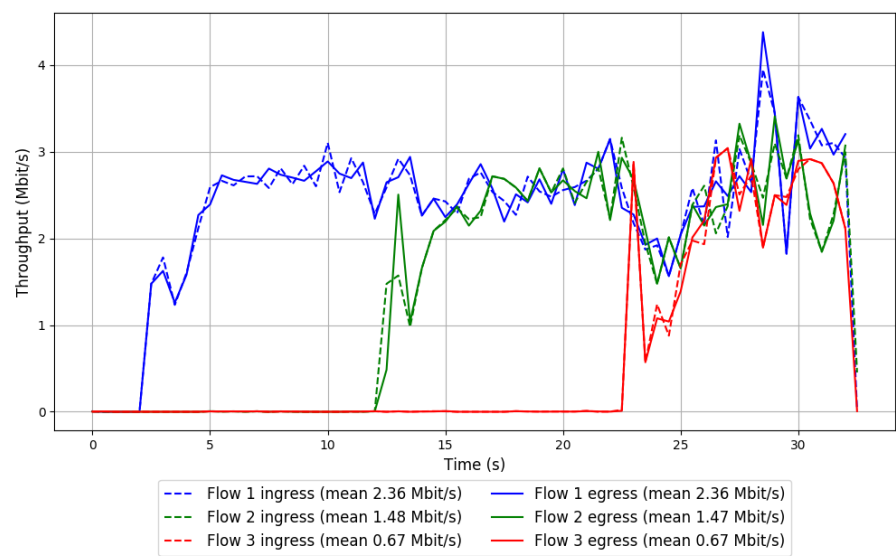
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

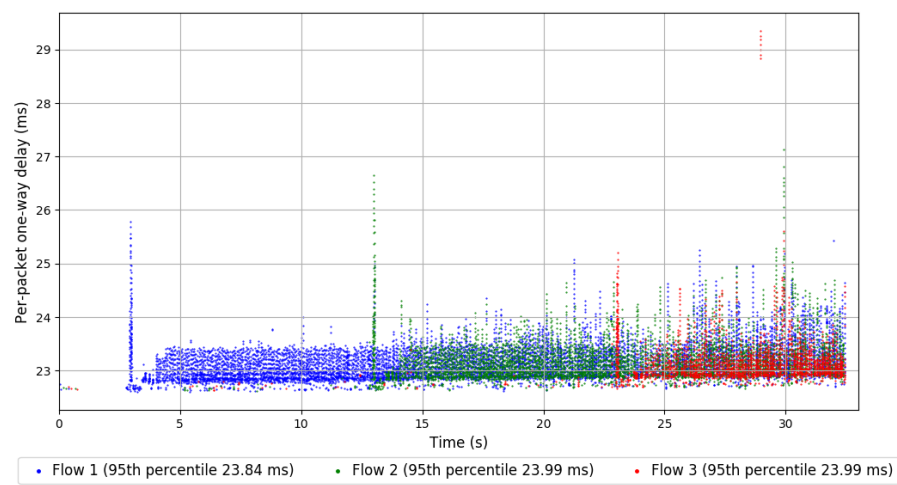
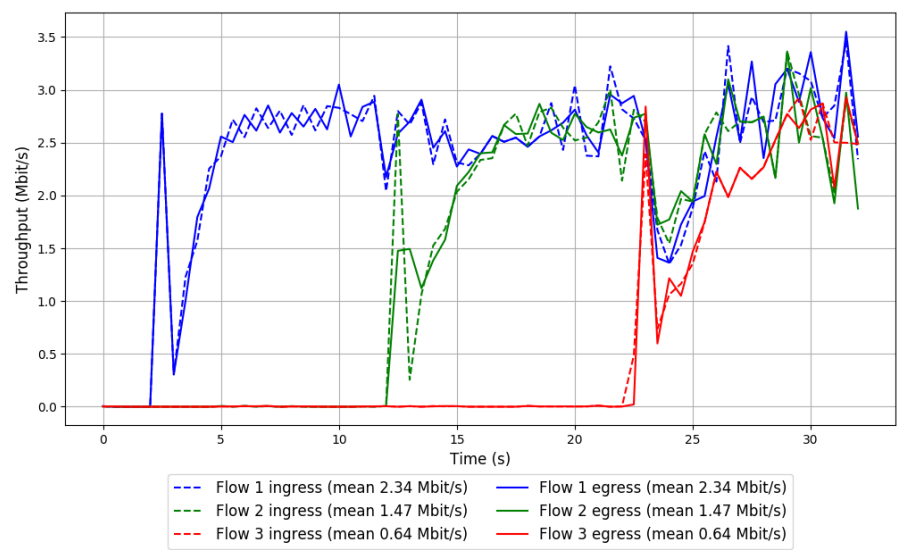


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 11:18:50
End at: 2018-02-16 11:19:20
Local clock offset: -8.522 ms
Remote clock offset: -3.489 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 23.920 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 23.994 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 23.987 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

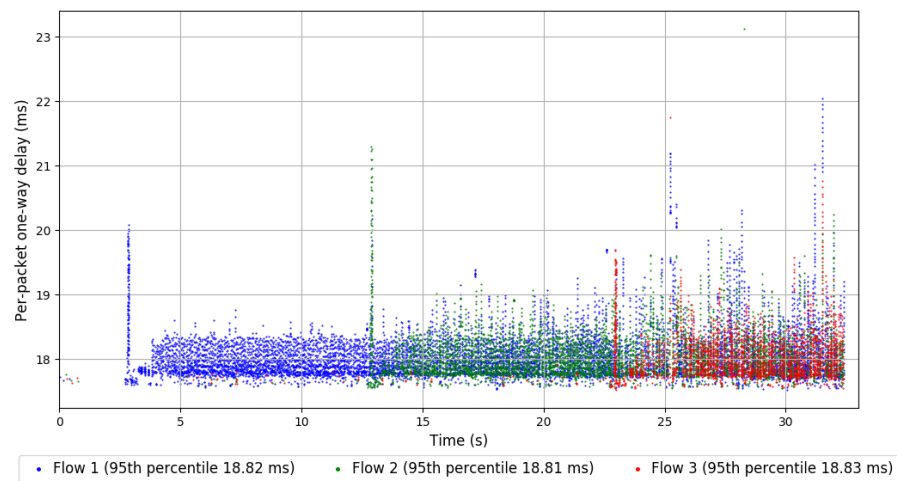
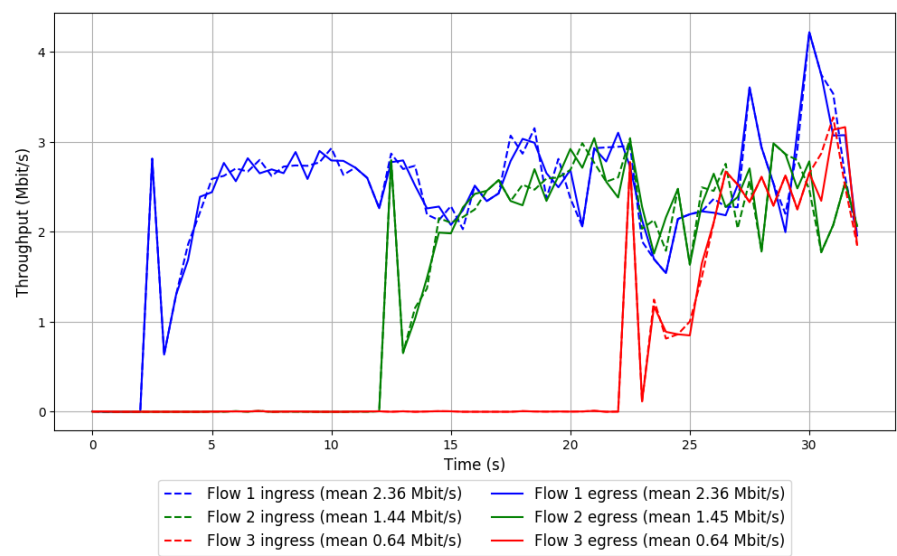


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 11:42:48
End at: 2018-02-16 11:43:18
Local clock offset: -1.061 ms
Remote clock offset: -3.604 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 18.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 18.829 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-16 12:06:09

End at: 2018-02-16 12:06:39

Local clock offset: -5.889 ms

Remote clock offset: 0.561 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 17.523 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 17.442 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 17.475 ms

Loss rate: 0.00%

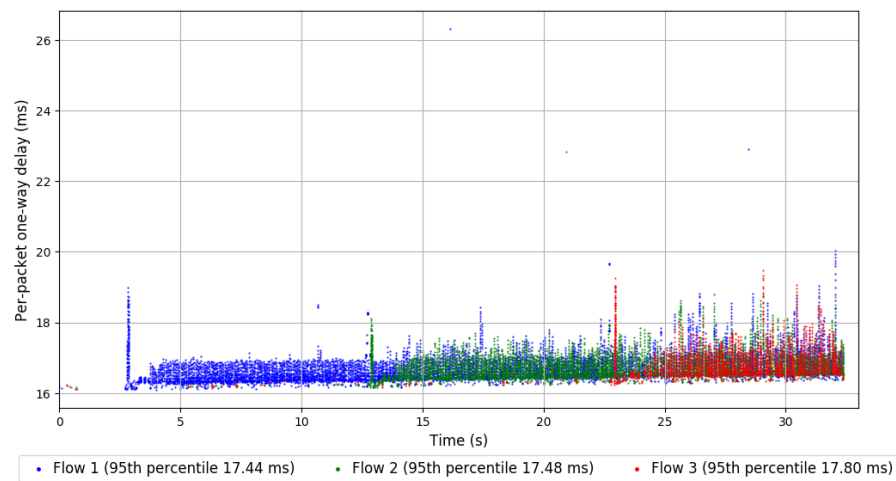
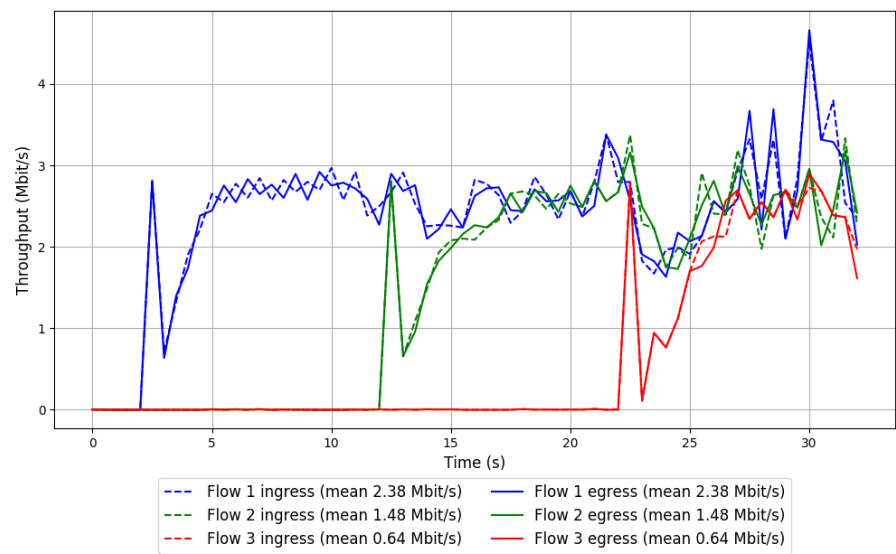
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 17.801 ms

Loss rate: 0.87%

Run 4: Report of WebRTC media — Data Link

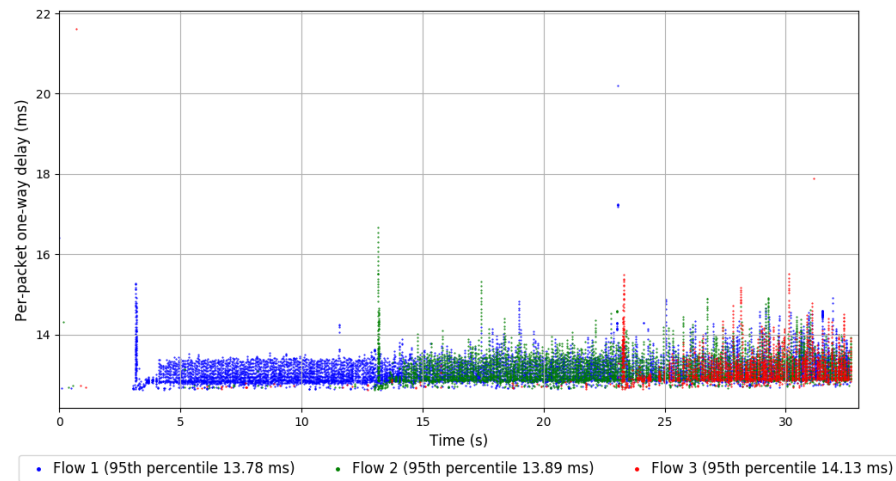
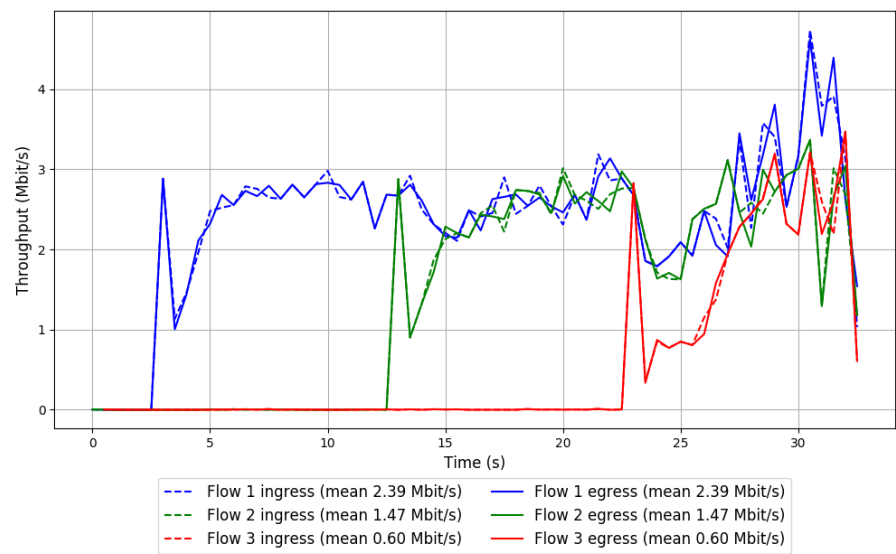


Run 5: Statistics of WebRTC media

Start at: 2018-02-16 12:29:42
End at: 2018-02-16 12:30:12
Local clock offset: -11.276 ms
Remote clock offset: 4.542 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 13.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 13.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 14.127 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-16 12:52:49

End at: 2018-02-16 12:53:19

Local clock offset: 2.66 ms

Remote clock offset: 6.884 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 23.522 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 23.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 23.552 ms

Loss rate: 0.00%

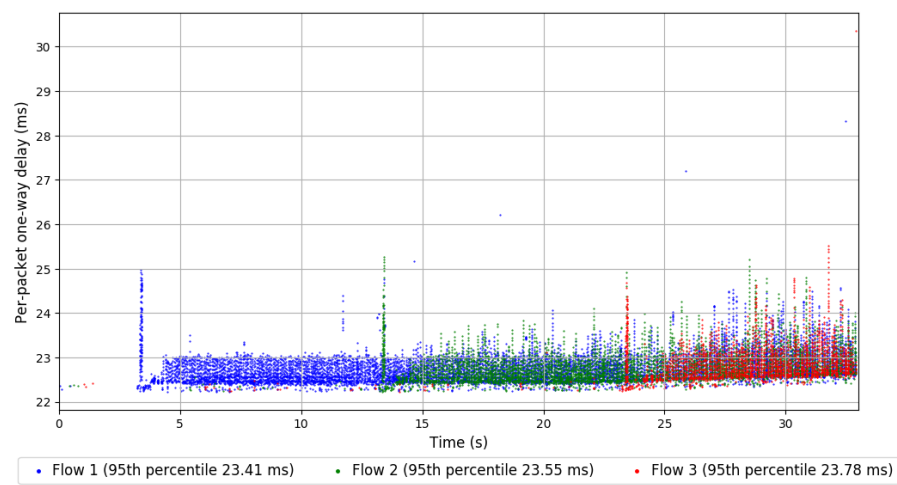
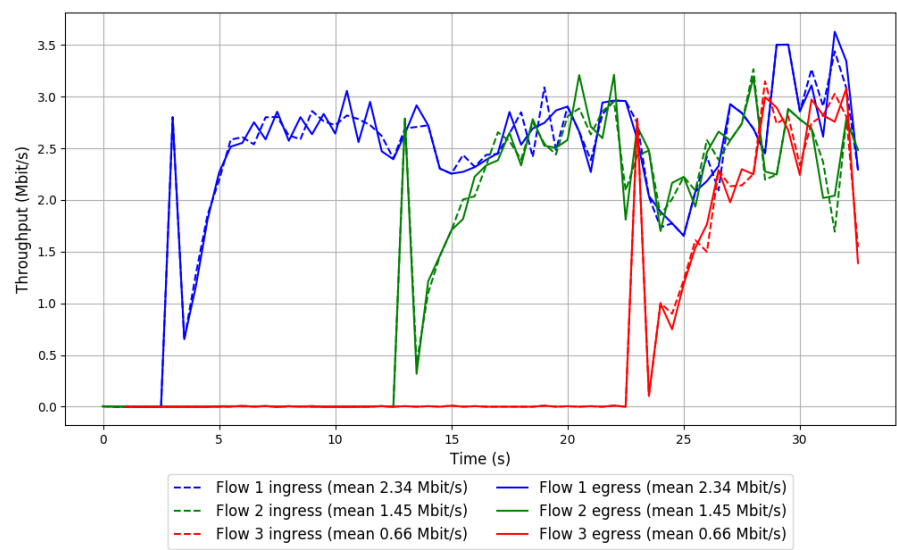
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 23.776 ms

Loss rate: 0.37%

Run 6: Report of WebRTC media — Data Link

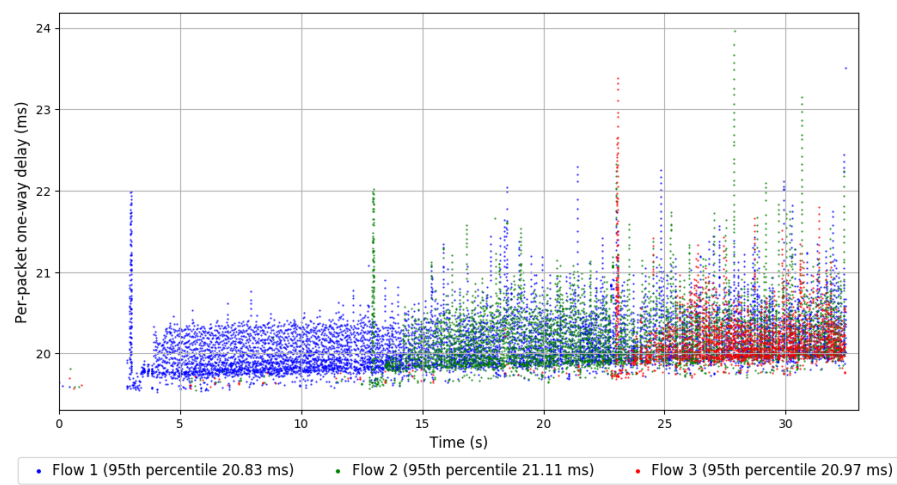
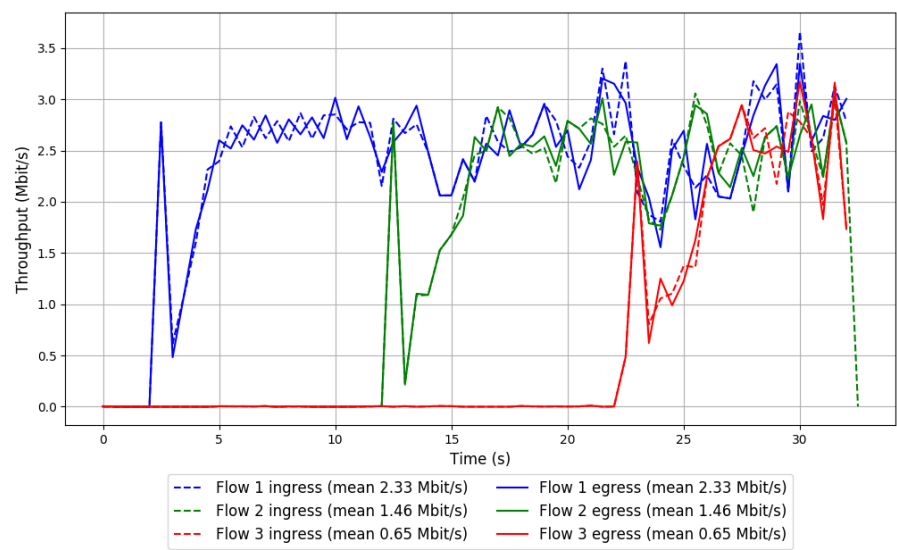


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 13:16:45
End at: 2018-02-16 13:17:15
Local clock offset: -3.881 ms
Remote clock offset: 18.675 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 20.953 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 20.832 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 21.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 20.974 ms
Loss rate: 0.05%

Run 7: Report of WebRTC media — Data Link

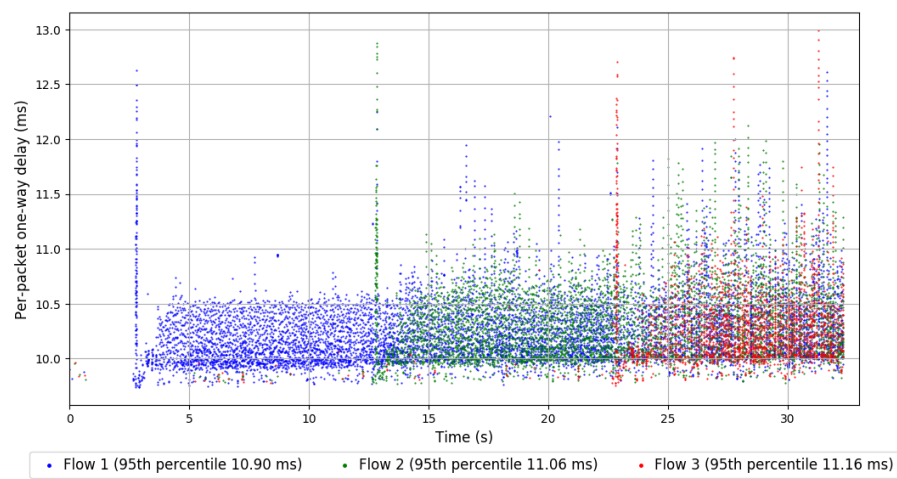
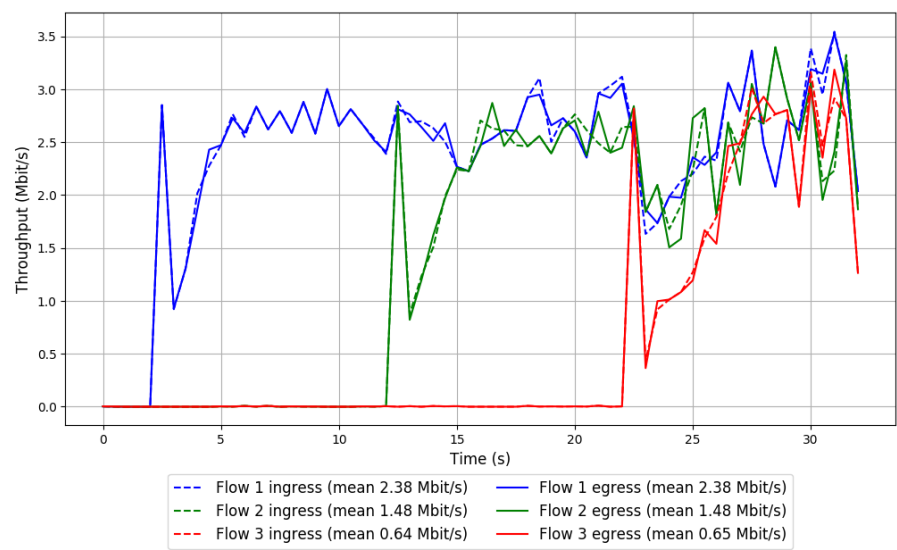


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 13:41:33
End at: 2018-02-16 13:42:03
Local clock offset: -5.659 ms
Remote clock offset: 23.924 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 10.996 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 11.061 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 11.159 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

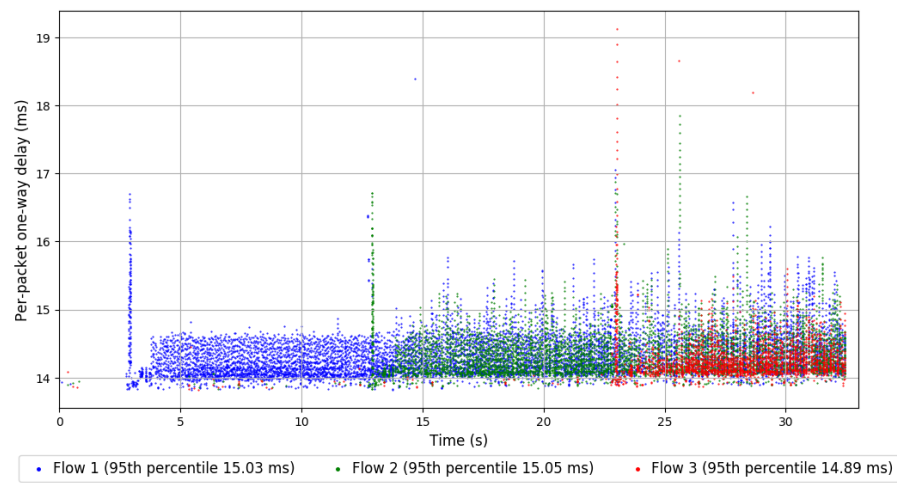
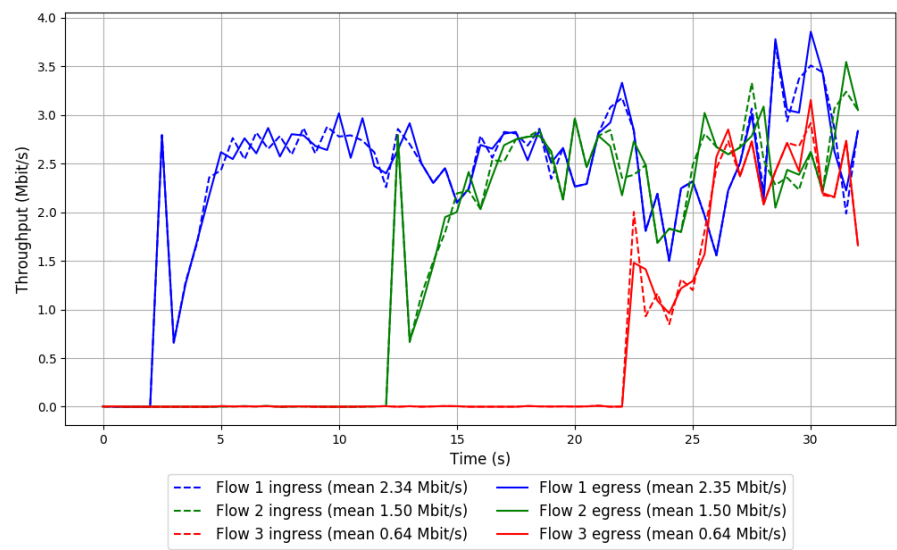


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 14:04:37
End at: 2018-02-16 14:05:07
Local clock offset: -2.099 ms
Remote clock offset: 26.534 ms

Below is generated by plot.py at 2018-02-16 18:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 15.025 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 15.030 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 15.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 14.891 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-16 14:28:08

End at: 2018-02-16 14:28:38

Local clock offset: -5.219 ms

Remote clock offset: 30.12 ms

Below is generated by plot.py at 2018-02-16 18:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 13.353 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 13.341 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 13.226 ms

Loss rate: 0.00%

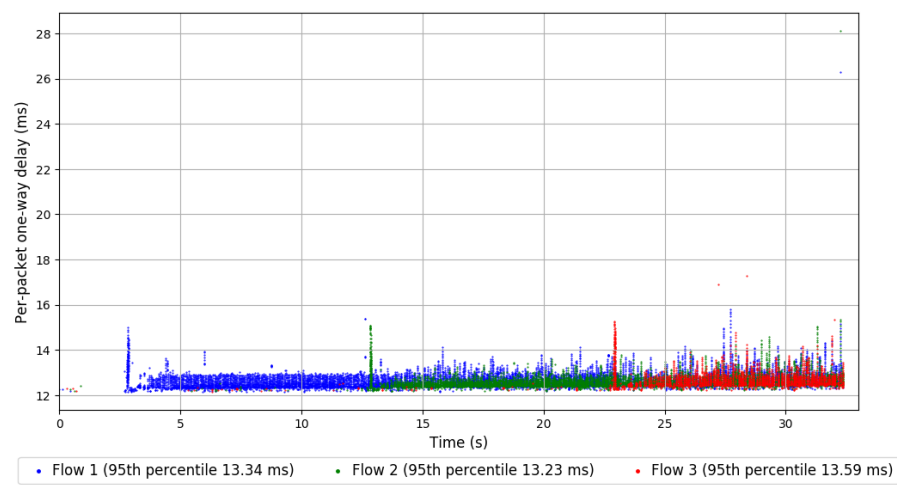
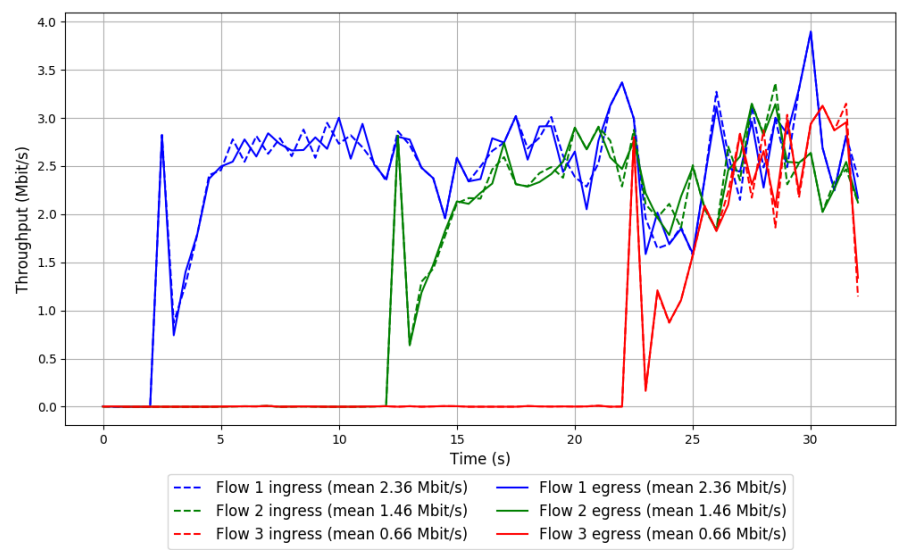
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 13.590 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

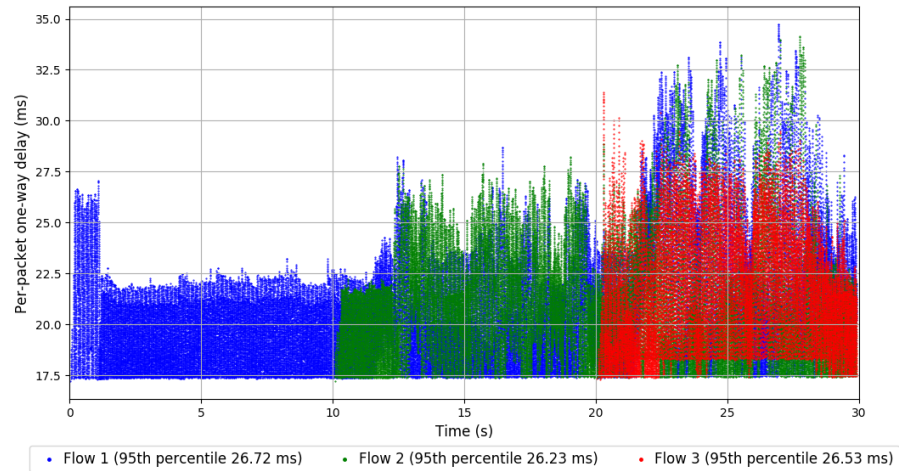
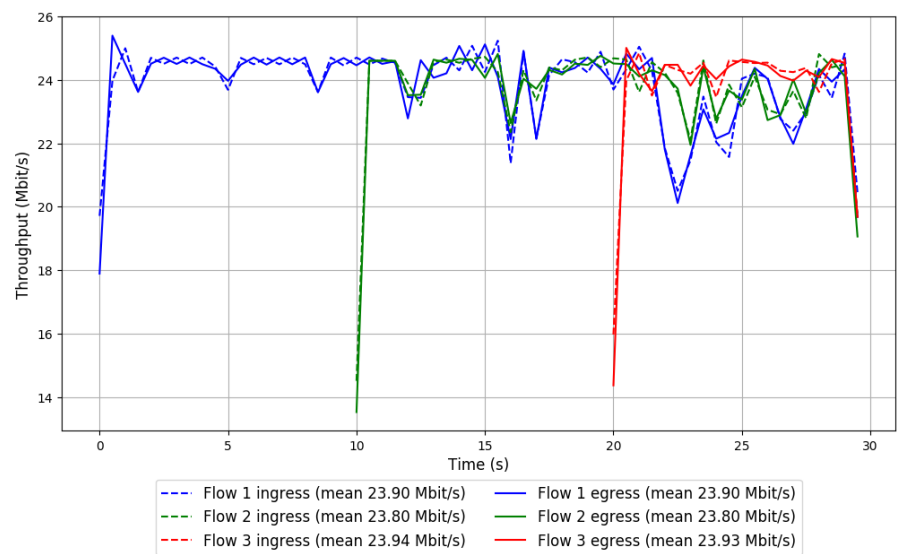


Run 1: Statistics of Sprout

Start at: 2018-02-16 10:51:00
End at: 2018-02-16 10:51:30
Local clock offset: -4.221 ms
Remote clock offset: -4.933 ms

Below is generated by plot.py at 2018-02-16 18:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.60 Mbit/s
95th percentile per-packet one-way delay: 26.508 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 26.718 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 26.235 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 26.529 ms
Loss rate: 0.22%

Run 1: Report of Sprout — Data Link

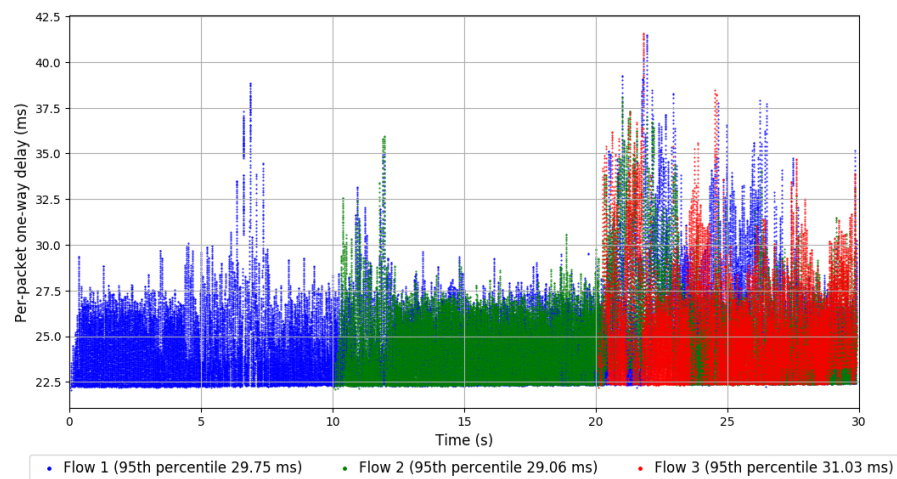
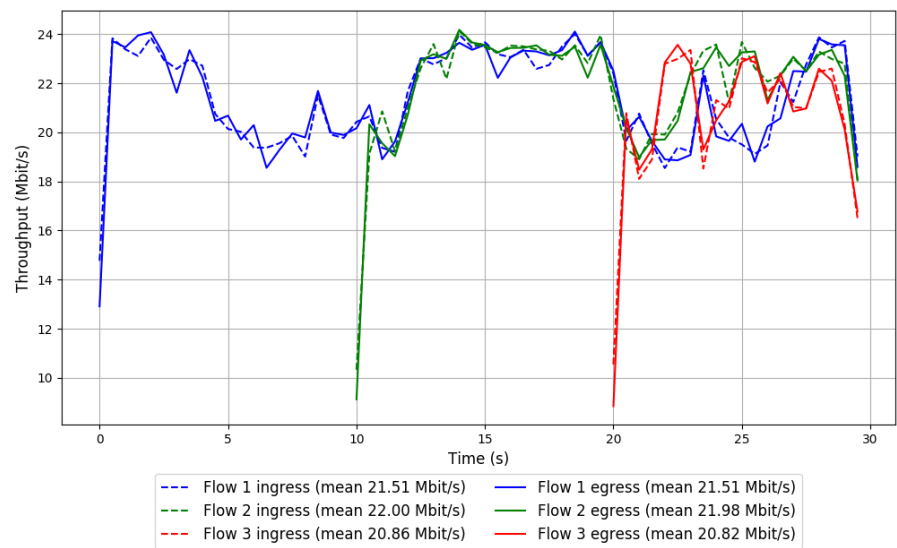


Run 2: Statistics of Sprout

Start at: 2018-02-16 11:14:59
End at: 2018-02-16 11:15:29
Local clock offset: -8.551 ms
Remote clock offset: -4.031 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 29.840 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 29.746 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 21.98 Mbit/s
95th percentile per-packet one-way delay: 29.058 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.34%
```

Run 2: Report of Sprout — Data Link

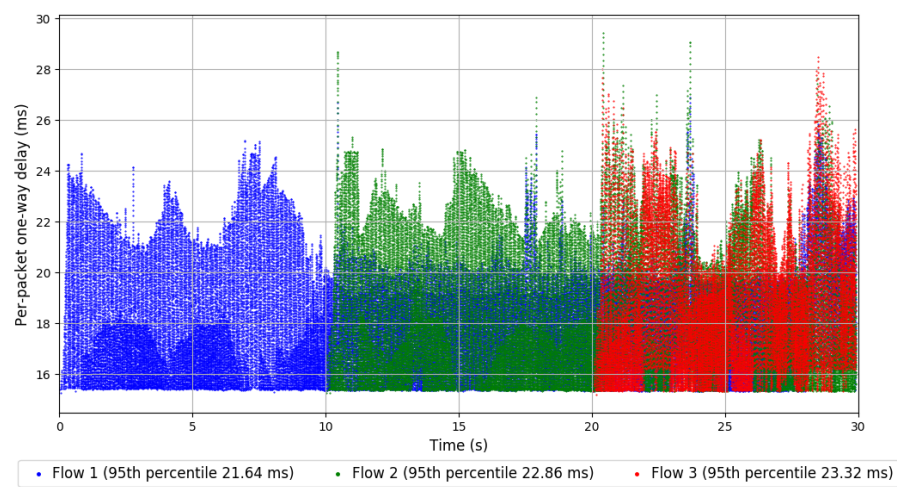
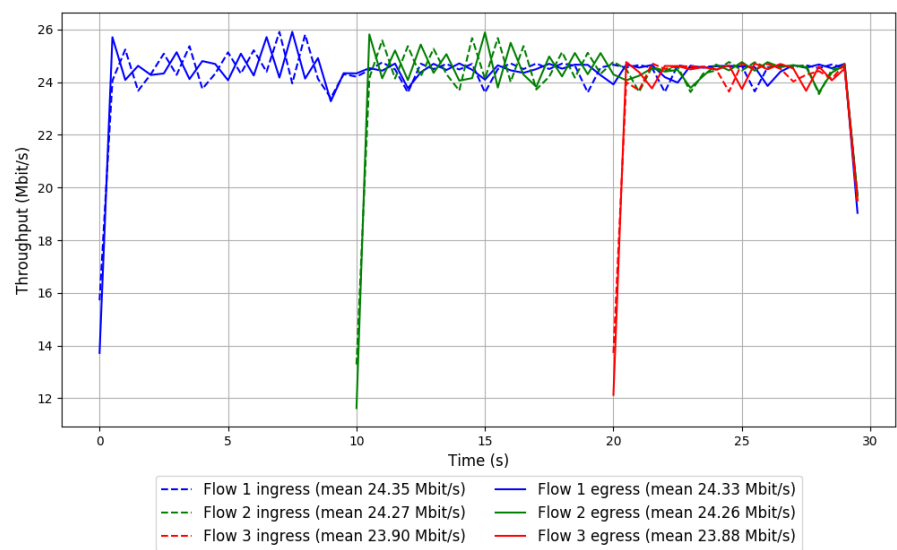


Run 3: Statistics of Sprout

Start at: 2018-02-16 11:38:44
End at: 2018-02-16 11:39:14
Local clock offset: -2.786 ms
Remote clock offset: -2.267 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 22.488 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 21.644 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 22.858 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 23.323 ms
Loss rate: 0.20%
```


Run 3: Report of Sprout — Data Link

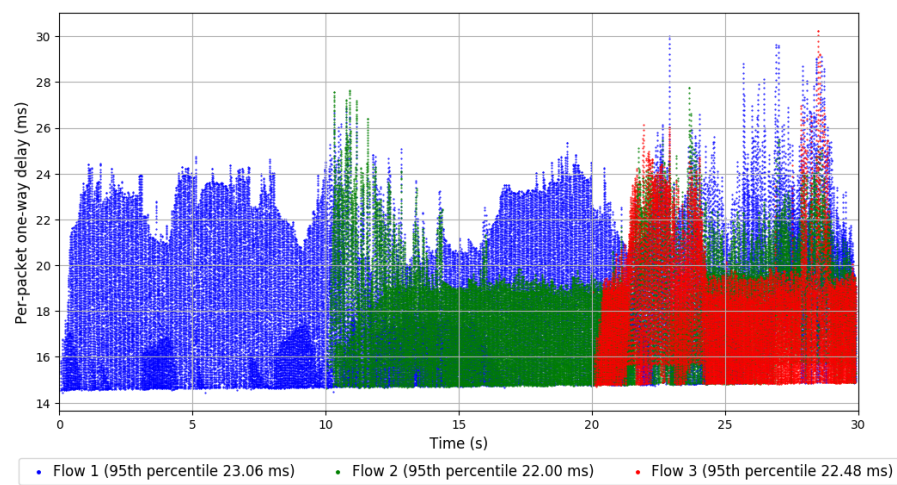
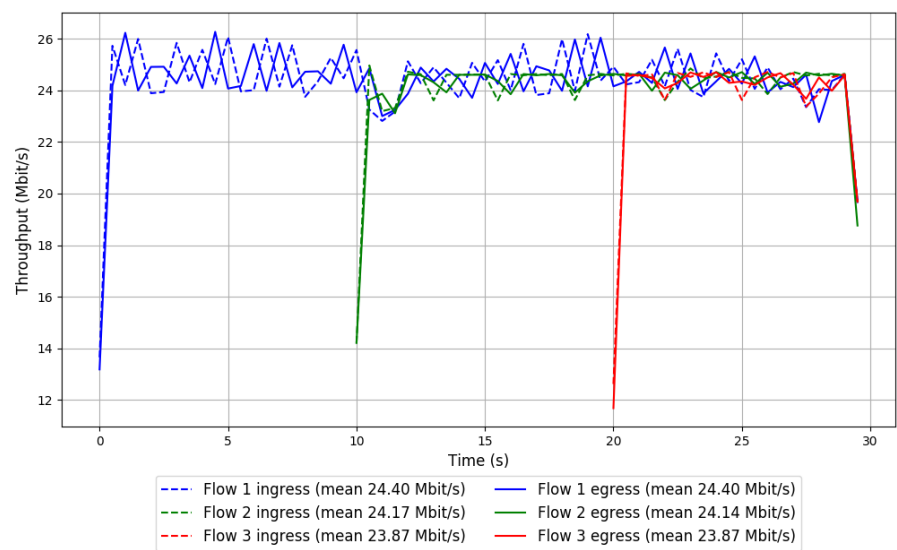


Run 4: Statistics of Sprout

Start at: 2018-02-16 12:02:19
End at: 2018-02-16 12:02:49
Local clock offset: -4.037 ms
Remote clock offset: 1.885 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 22.736 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 23.058 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 21.998 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 22.481 ms
Loss rate: 0.21%
```

Run 4: Report of Sprout — Data Link

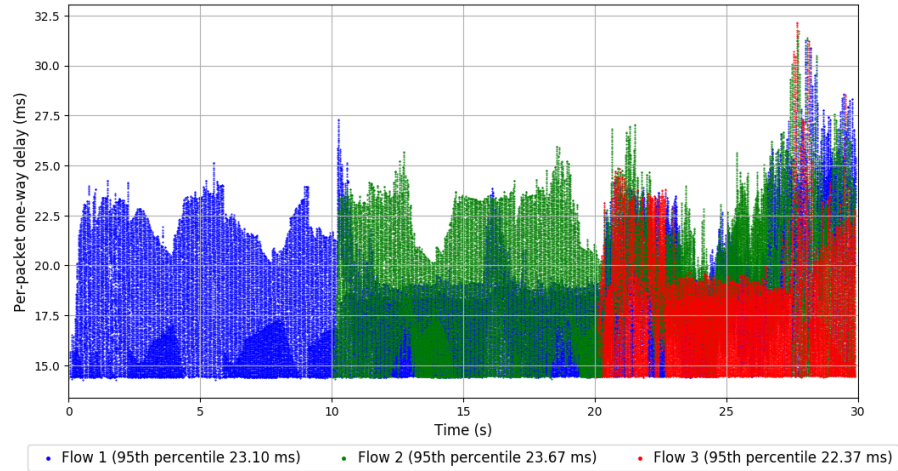
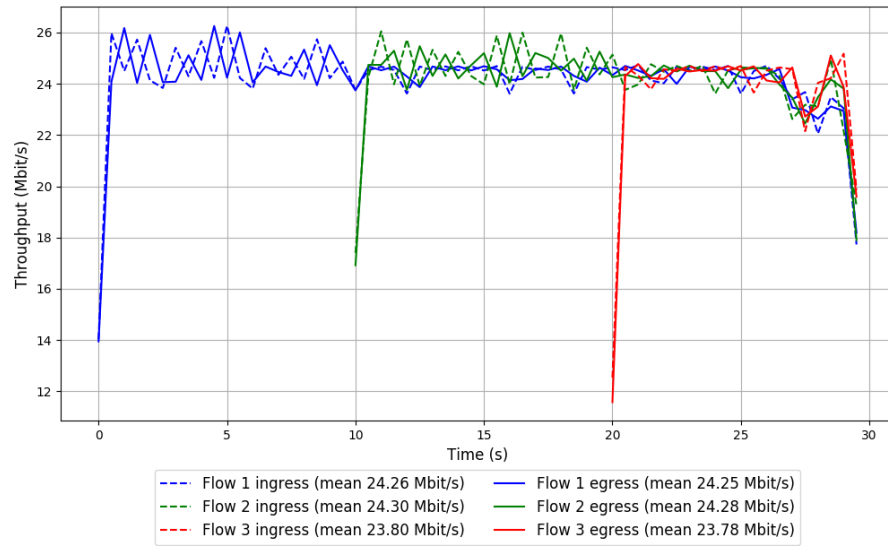


Run 5: Statistics of Sprout

Start at: 2018-02-16 12:25:54
End at: 2018-02-16 12:26:24
Local clock offset: -10.052 ms
Remote clock offset: 3.701 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 23.266 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 23.096 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 23.674 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 22.368 ms
Loss rate: 0.42%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-16 12:48:55

End at: 2018-02-16 12:49:25

Local clock offset: 0.052 ms

Remote clock offset: 5.961 ms

Below is generated by plot.py at 2018-02-16 18:34:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 22.048 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 20.718 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 23.168 ms

Loss rate: 0.20%

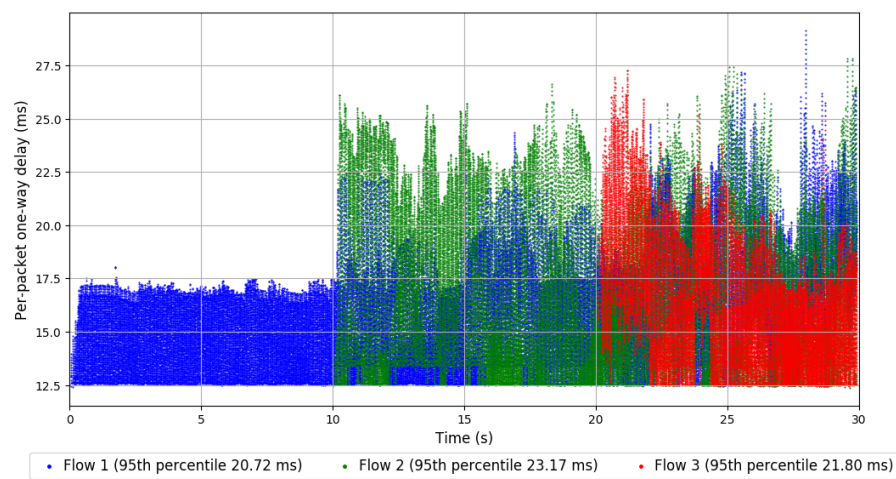
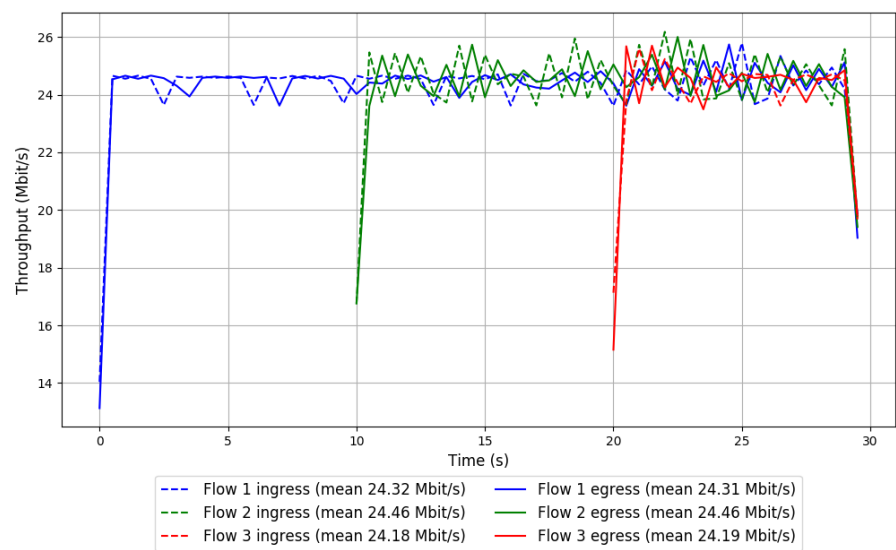
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 21.805 ms

Loss rate: 0.13%

Run 6: Report of Sprout — Data Link

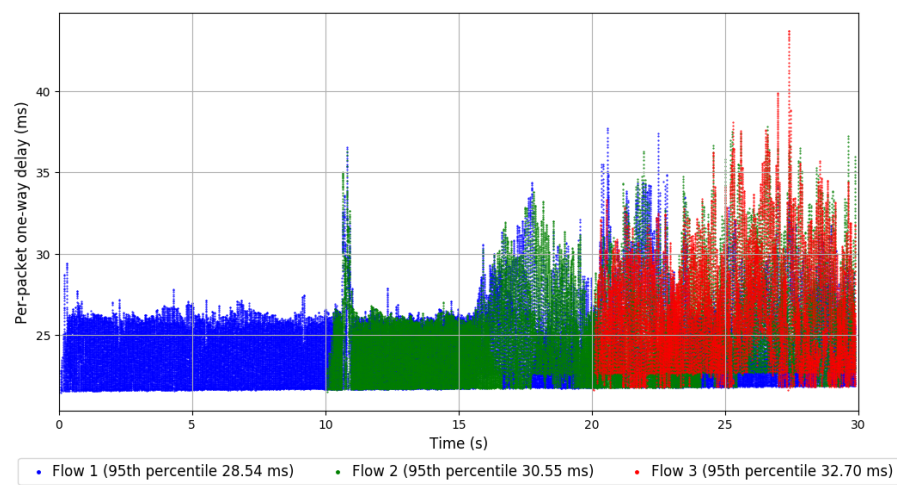
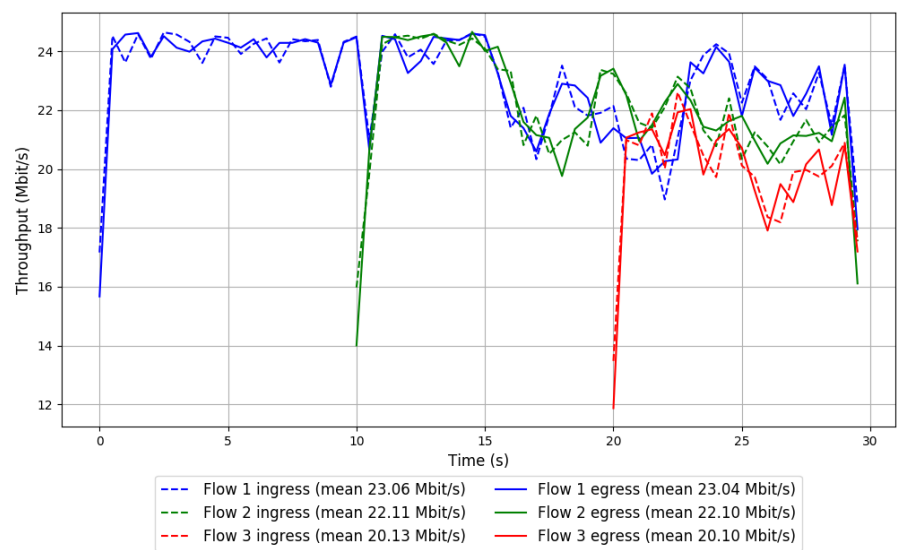


Run 7: Statistics of Sprout

Start at: 2018-02-16 13:12:49
End at: 2018-02-16 13:13:19
Local clock offset: -1.002 ms
Remote clock offset: 17.692 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 30.288 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 28.540 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 30.554 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 20.10 Mbit/s
95th percentile per-packet one-way delay: 32.705 ms
Loss rate: 0.50%
```


Run 7: Report of Sprout — Data Link

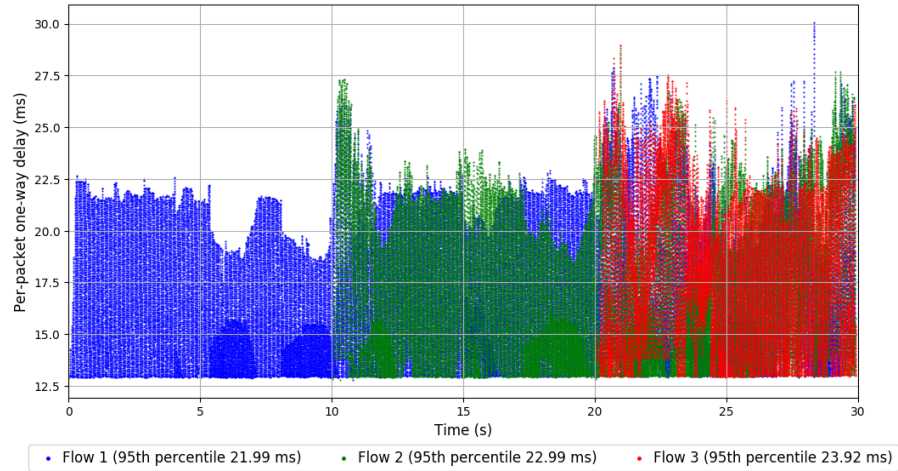
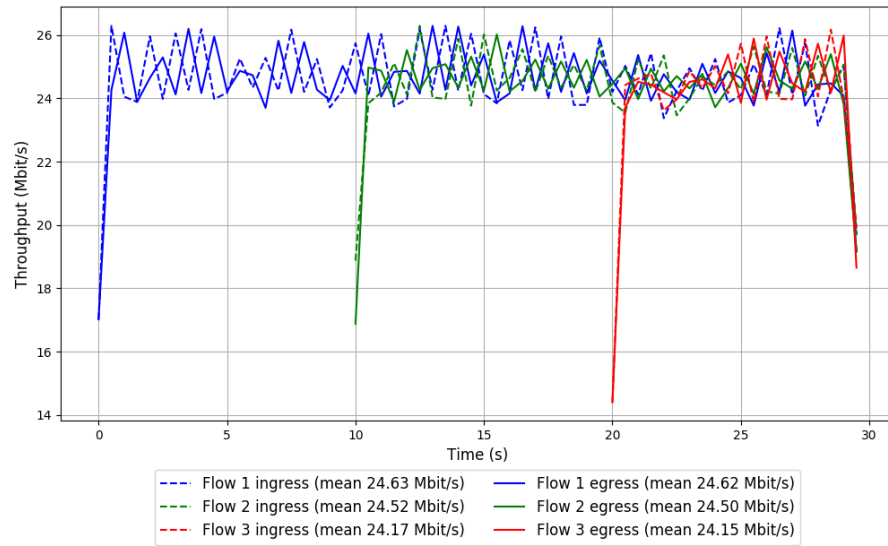


Run 8: Statistics of Sprout

Start at: 2018-02-16 13:37:26
End at: 2018-02-16 13:37:56
Local clock offset: -3.149 ms
Remote clock offset: 22.856 ms

```
# Below is generated by plot.py at 2018-02-16 18:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 22.847 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.989 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 22.991 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 23.919 ms
Loss rate: 0.27%
```

Run 8: Report of Sprout — Data Link

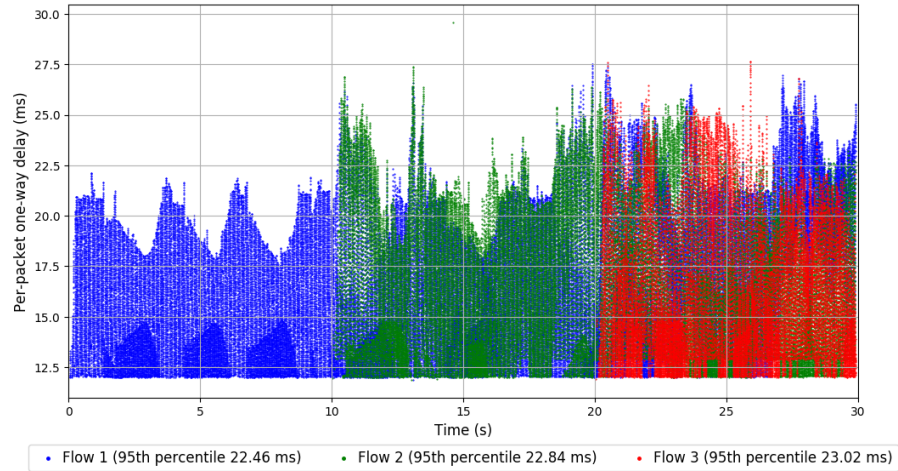
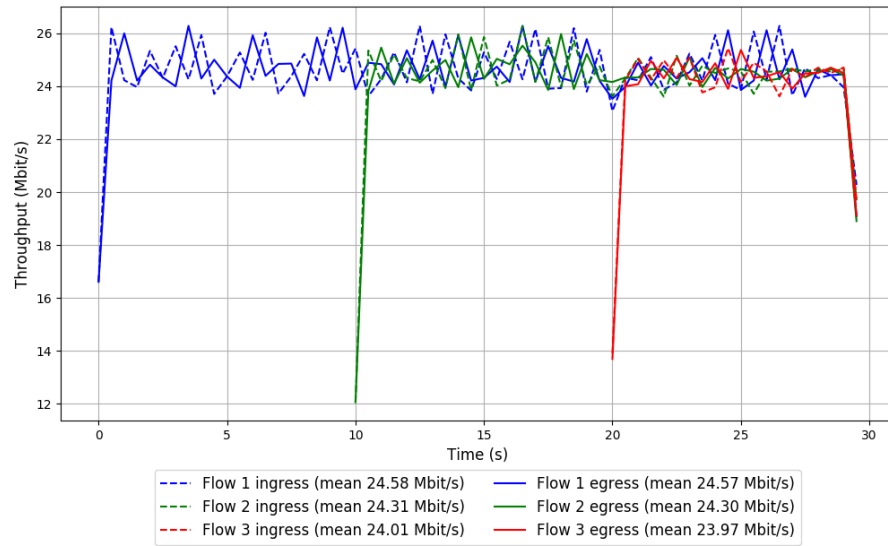


Run 9: Statistics of Sprout

Start at: 2018-02-16 14:00:47
End at: 2018-02-16 14:01:17
Local clock offset: -5.263 ms
Remote clock offset: 24.972 ms

Below is generated by plot.py at 2018-02-16 18:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 22.700 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 22.456 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 22.839 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 23.015 ms
Loss rate: 0.35%

Run 9: Report of Sprout — Data Link

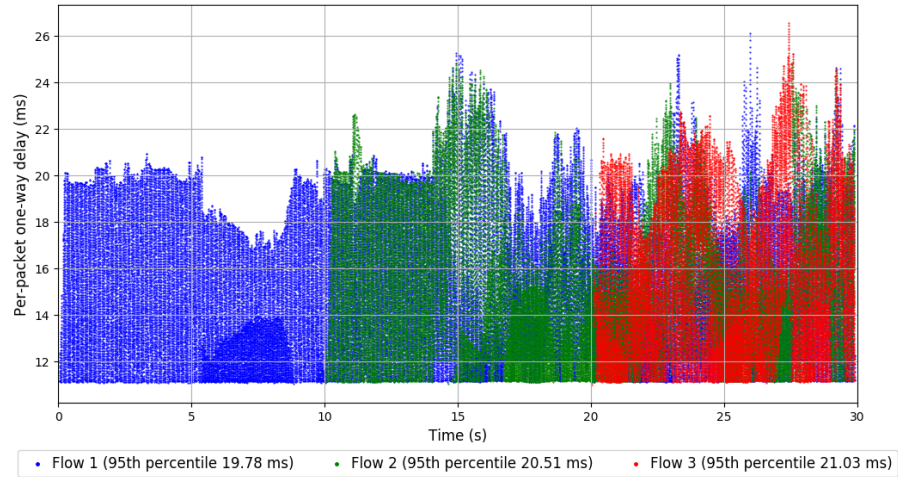
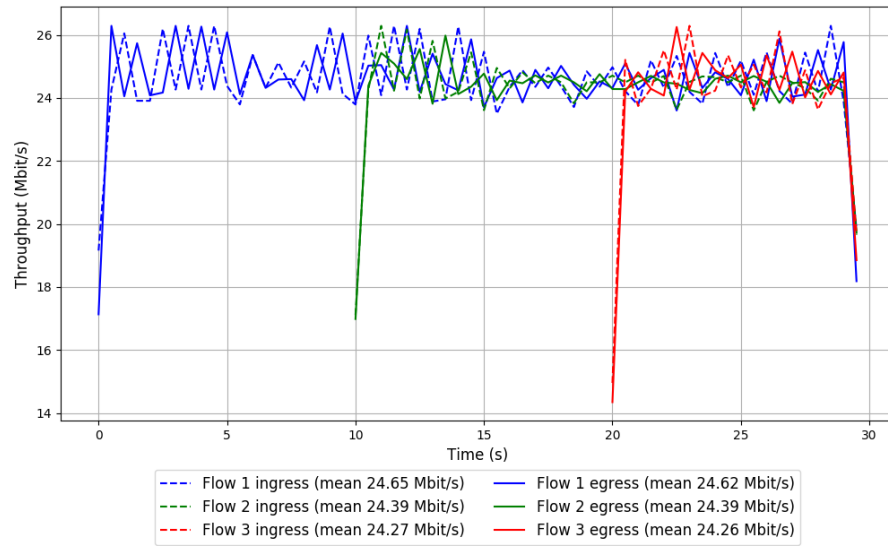


Run 10: Statistics of Sprout

Start at: 2018-02-16 14:24:25
End at: 2018-02-16 14:24:55
Local clock offset: -5.213 ms
Remote clock offset: 30.701 ms

Below is generated by plot.py at 2018-02-16 18:35:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 20.509 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 21.027 ms
Loss rate: 0.21%

Run 10: Report of Sprout — Data Link

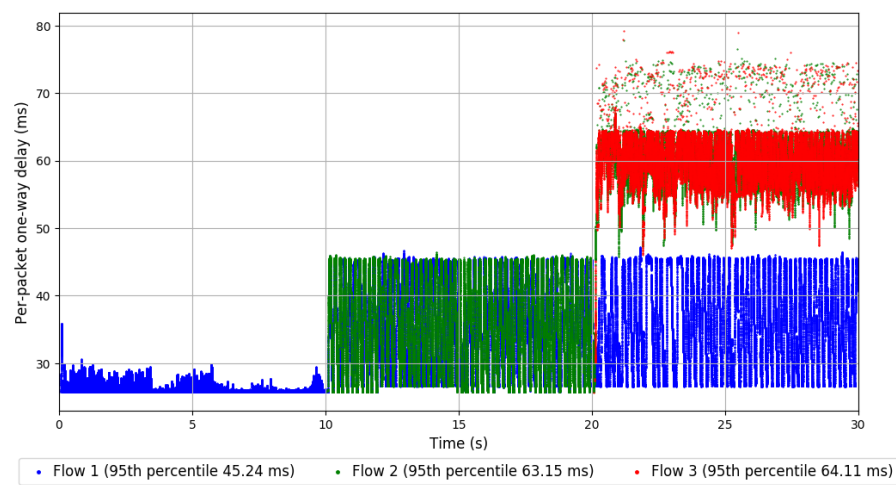
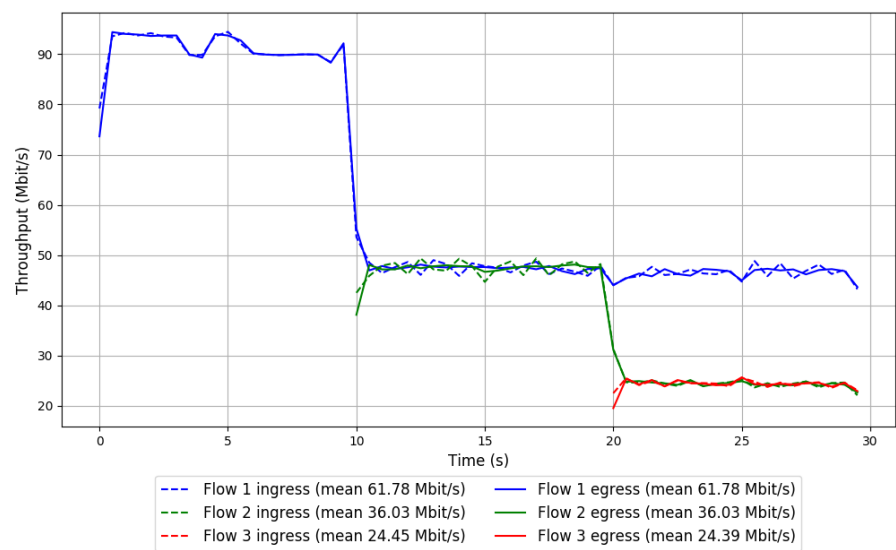


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 10:40:10
End at: 2018-02-16 10:40:40
Local clock offset: -13.799 ms
Remote clock offset: -23.224 ms

# Below is generated by plot.py at 2018-02-16 18:37:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 45.236 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 63.153 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 64.111 ms
Loss rate: 0.58%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 11:04:06

End at: 2018-02-16 11:04:36

Local clock offset: -9.642 ms

Remote clock offset: -5.61 ms

Below is generated by plot.py at 2018-02-16 18:37:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 52.134 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.36 Mbit/s

95th percentile per-packet one-way delay: 51.680 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 46.76 Mbit/s

95th percentile per-packet one-way delay: 34.591 ms

Loss rate: 0.18%

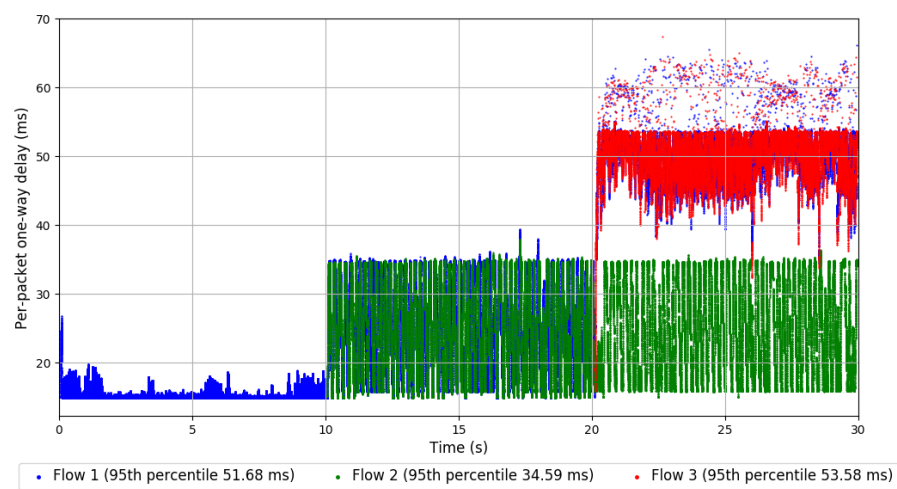
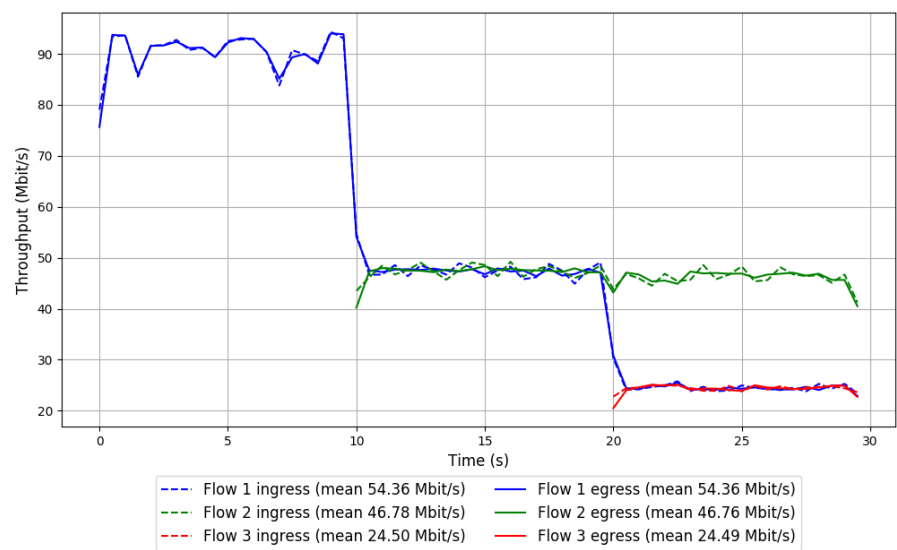
-- Flow 3:

Average throughput: 24.49 Mbit/s

95th percentile per-packet one-way delay: 53.577 ms

Loss rate: 0.63%

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

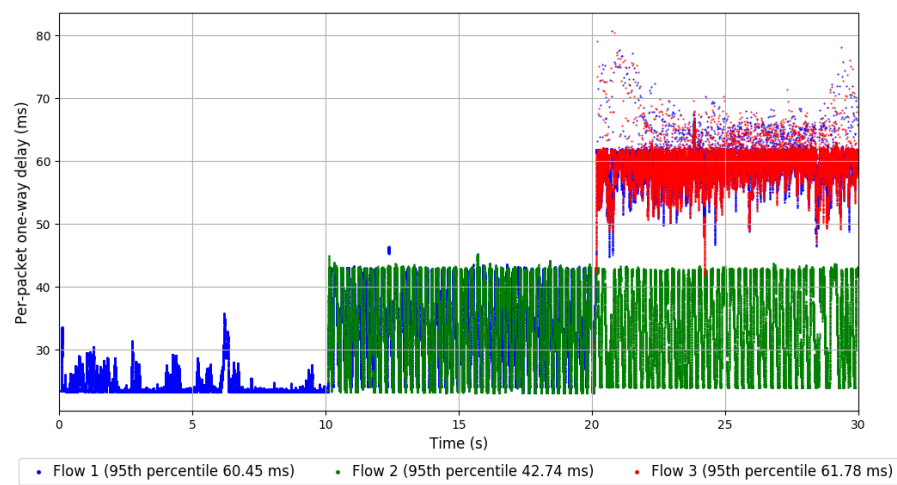
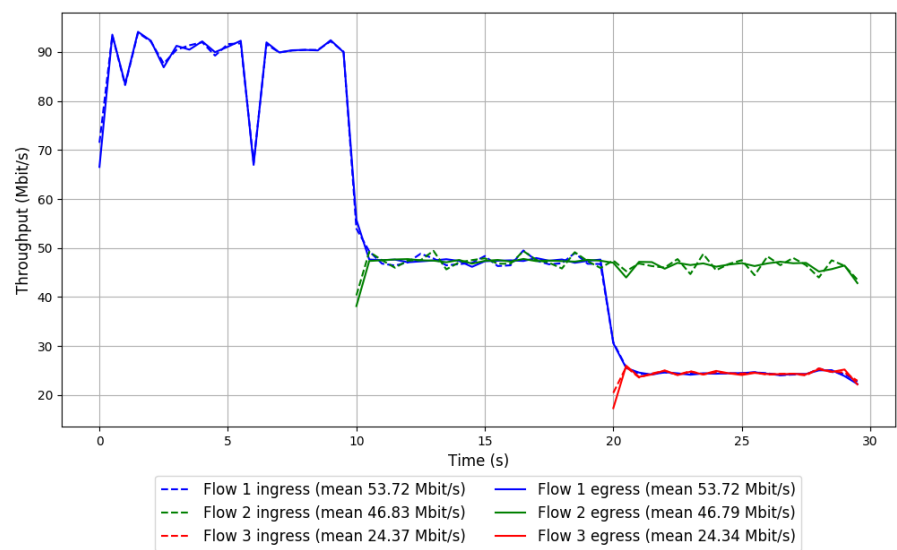


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 11:27:50
End at: 2018-02-16 11:28:20
Local clock offset: -5.63 ms
Remote clock offset: -3.221 ms

Below is generated by plot.py at 2018-02-16 18:37:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 60.701 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: 60.446 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 42.739 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 61.779 ms
Loss rate: 0.66%

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

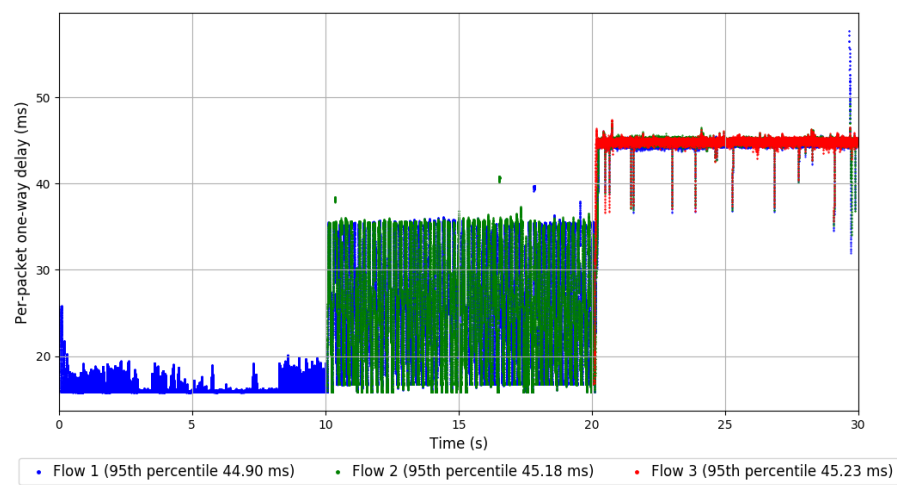
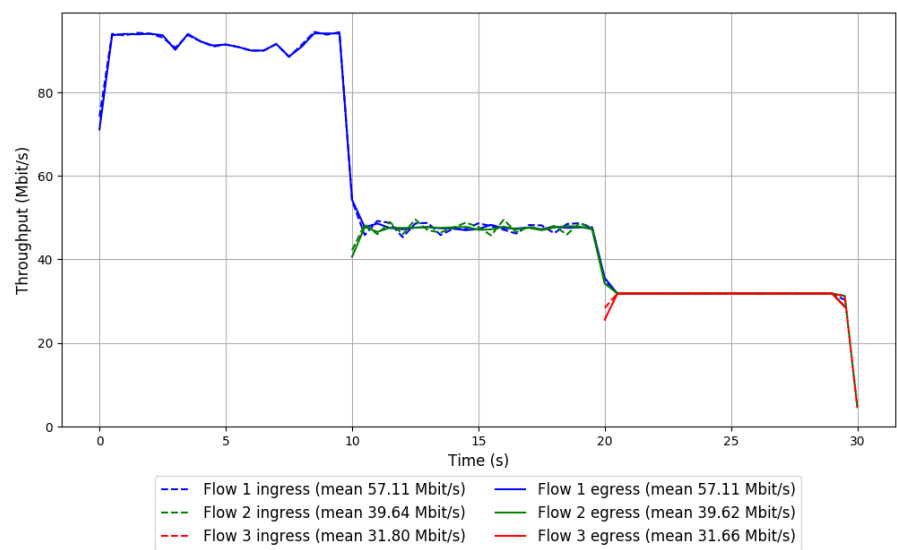


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 11:51:48
End at: 2018-02-16 11:52:18
Local clock offset: -1.304 ms
Remote clock offset: -0.625 ms

Below is generated by plot.py at 2018-02-16 18:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 45.115 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 44.903 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 45.183 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 45.232 ms
Loss rate: 1.54%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 12:15:28

End at: 2018-02-16 12:15:58

Local clock offset: -10.15 ms

Remote clock offset: 3.124 ms

Below is generated by plot.py at 2018-02-16 18:37:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 48.453 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 62.56 Mbit/s

95th percentile per-packet one-way delay: 31.635 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.01 Mbit/s

95th percentile per-packet one-way delay: 50.008 ms

Loss rate: 0.19%

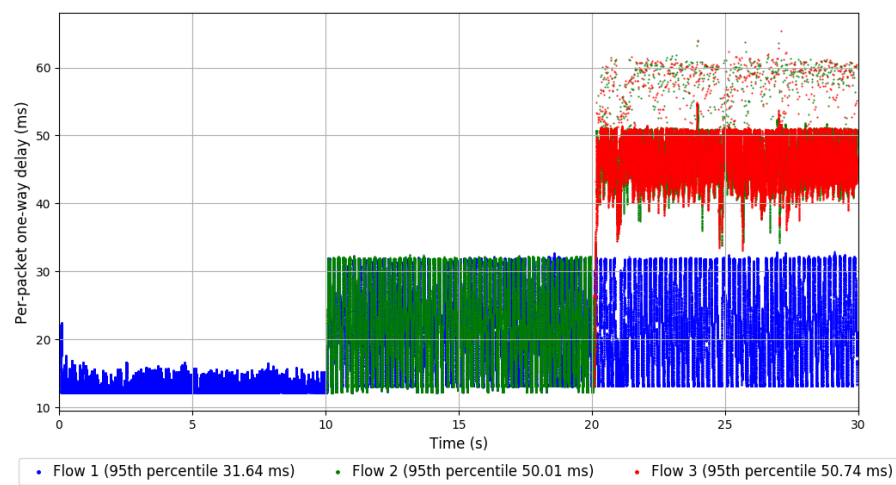
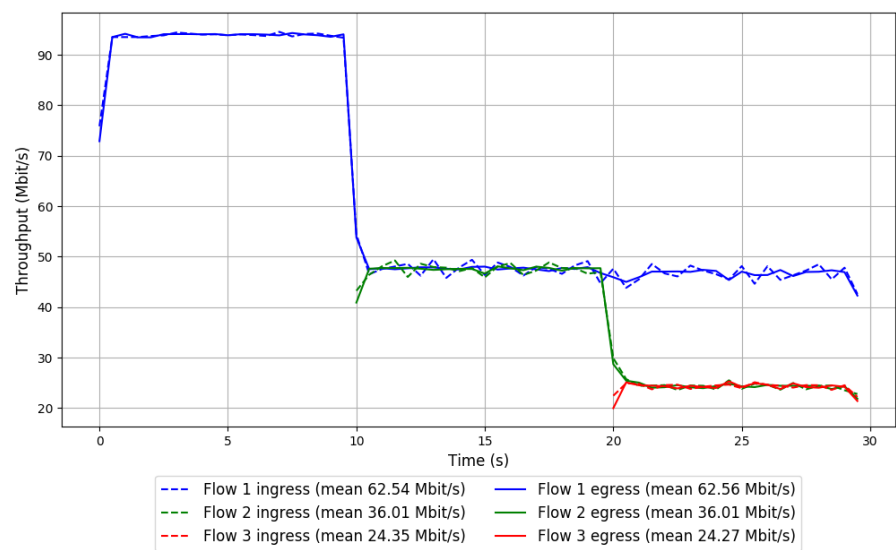
-- Flow 3:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 50.739 ms

Loss rate: 0.61%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 12:38:32

End at: 2018-02-16 12:39:02

Local clock offset: -6.14 ms

Remote clock offset: 5.074 ms

Below is generated by plot.py at 2018-02-16 18:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 50.094 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.35 Mbit/s

95th percentile per-packet one-way delay: 49.710 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 32.488 ms

Loss rate: 0.23%

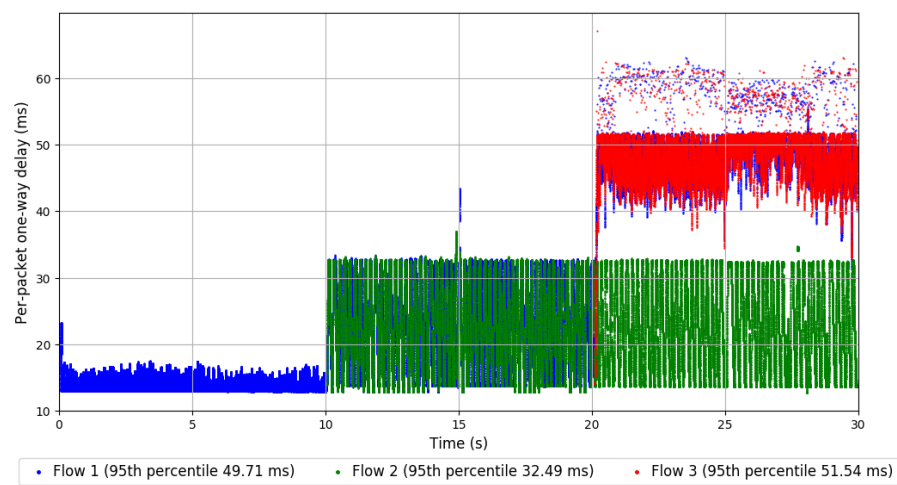
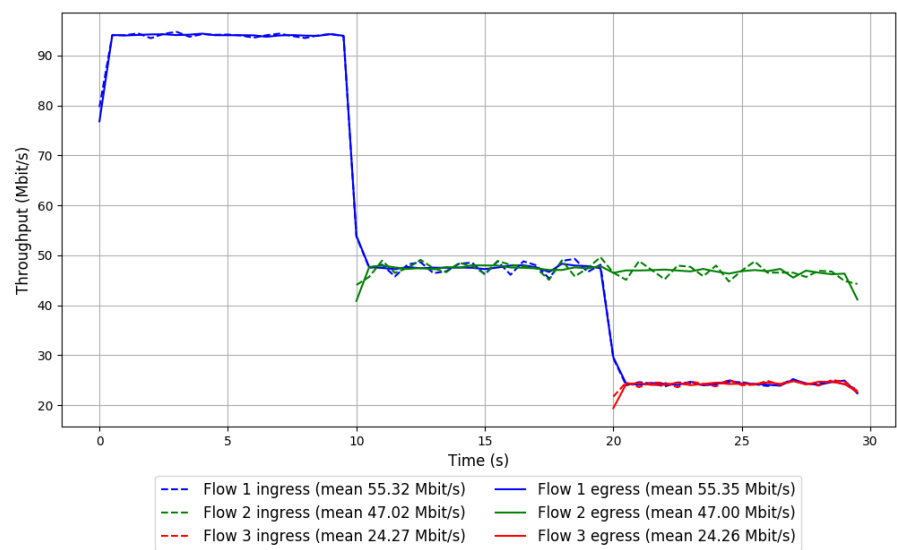
-- Flow 3:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.60%

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

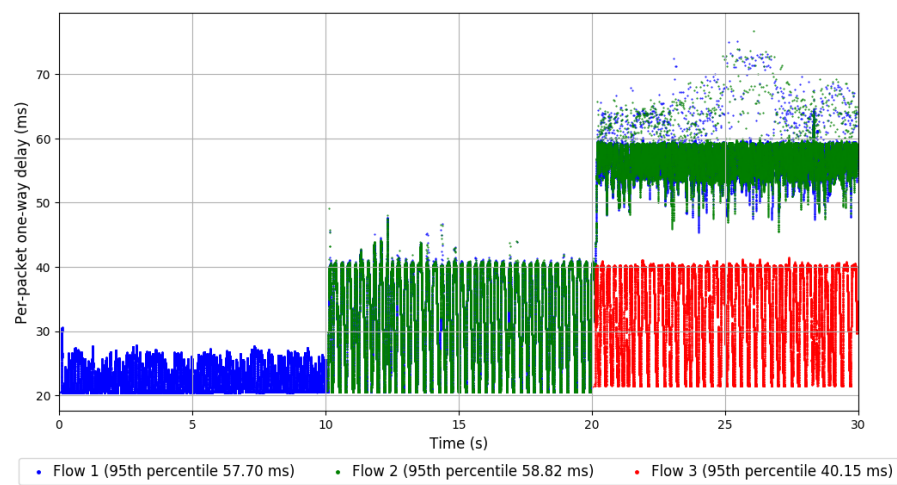
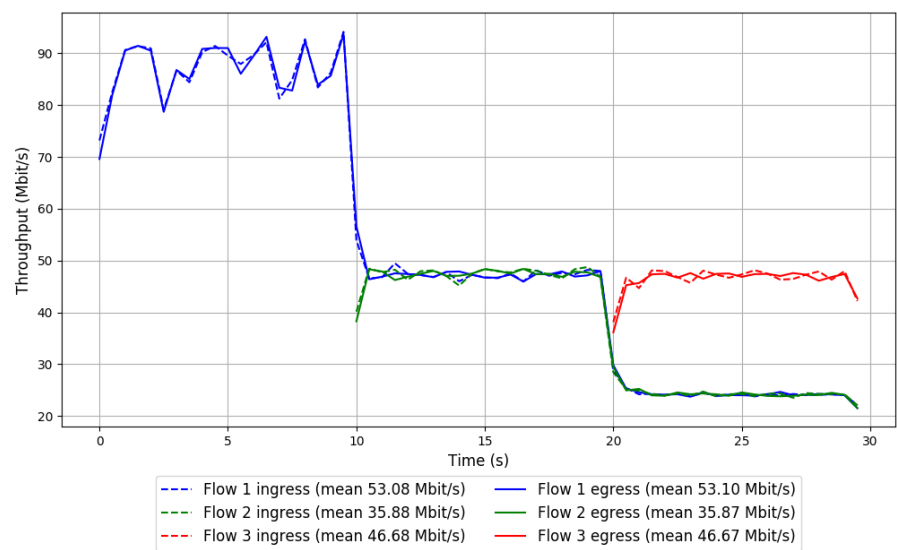


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 13:01:42
End at: 2018-02-16 13:02:12
Local clock offset: 0.885 ms
Remote clock offset: 12.958 ms

Below is generated by plot.py at 2018-02-16 18:37:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 57.971 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 57.699 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 58.823 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 40.145 ms
Loss rate: 0.36%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 13:26:17

End at: 2018-02-16 13:26:47

Local clock offset: -4.108 ms

Remote clock offset: 21.92 ms

Below is generated by plot.py at 2018-02-16 18:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 57.793 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 54.30 Mbit/s

95th percentile per-packet one-way delay: 57.512 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 58.570 ms

Loss rate: 0.25%

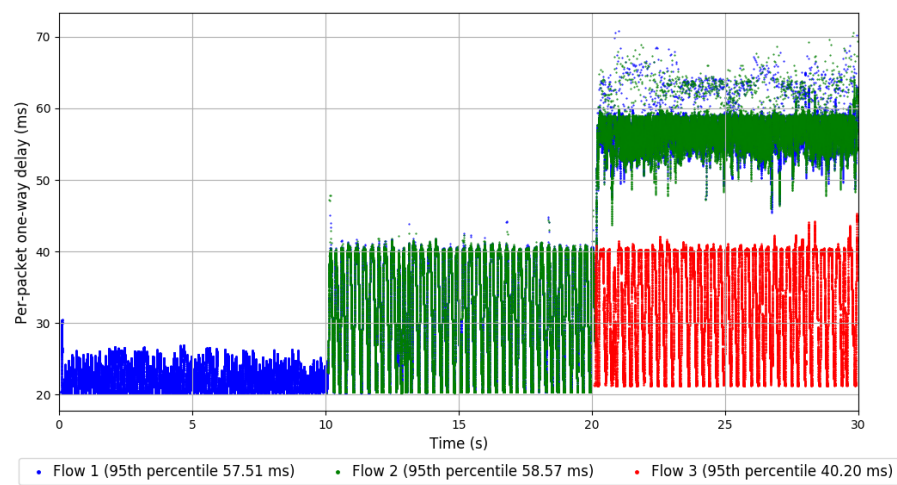
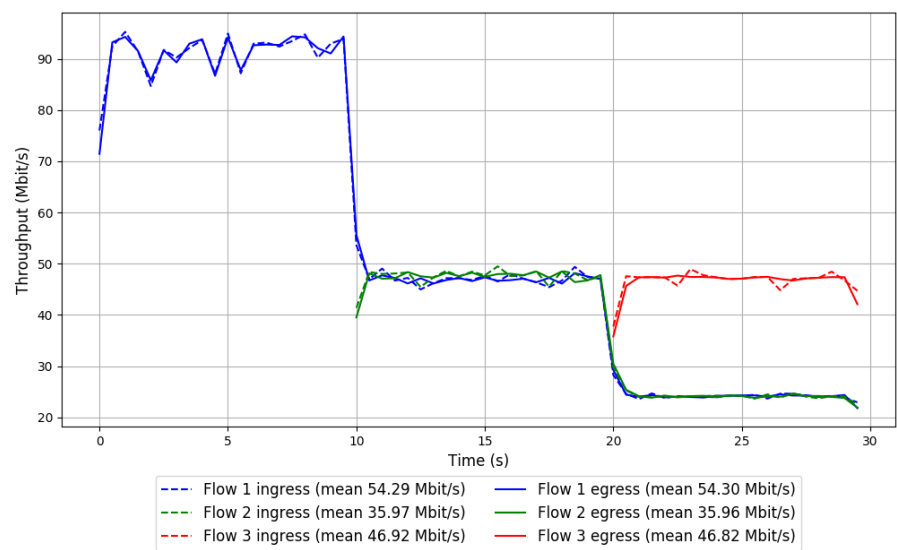
-- Flow 3:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 40.203 ms

Loss rate: 0.54%

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

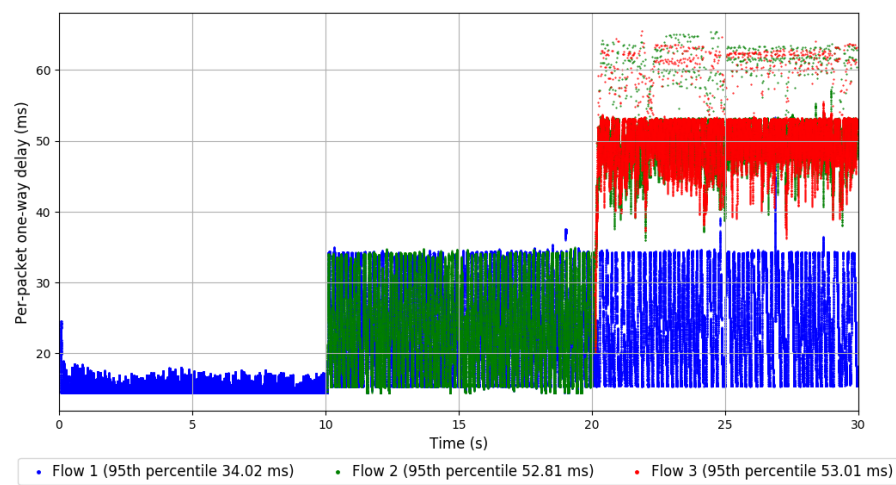
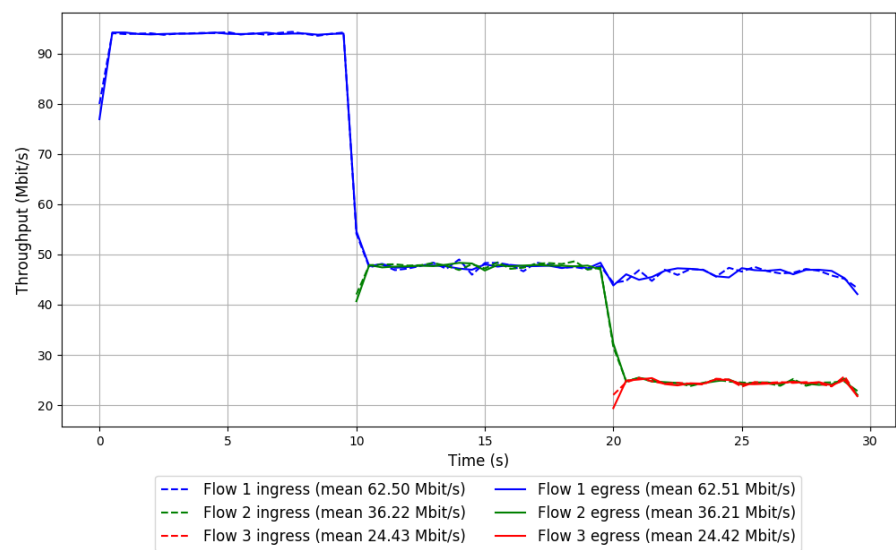


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 13:50:12
End at: 2018-02-16 13:50:42
Local clock offset: -2.418 ms
Remote clock offset: 23.478 ms

Below is generated by plot.py at 2018-02-16 18:39:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 52.144 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 34.024 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 52.813 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 53.012 ms
Loss rate: 0.63%

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

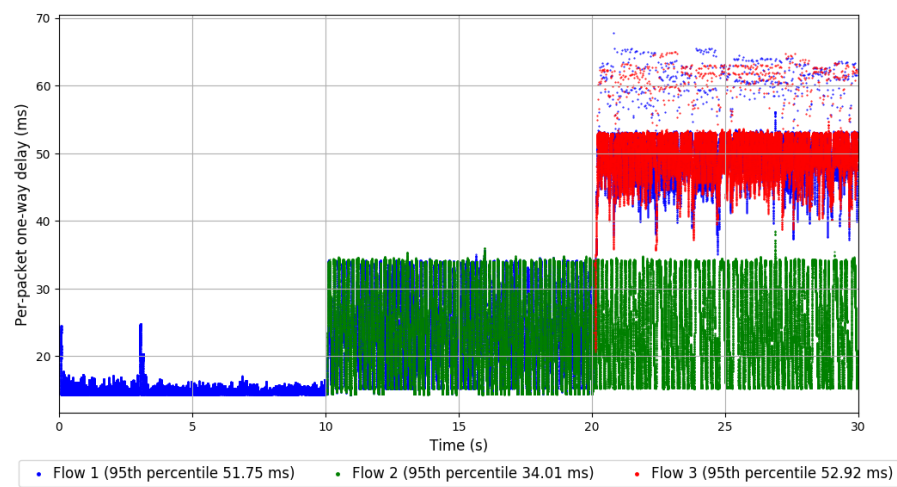
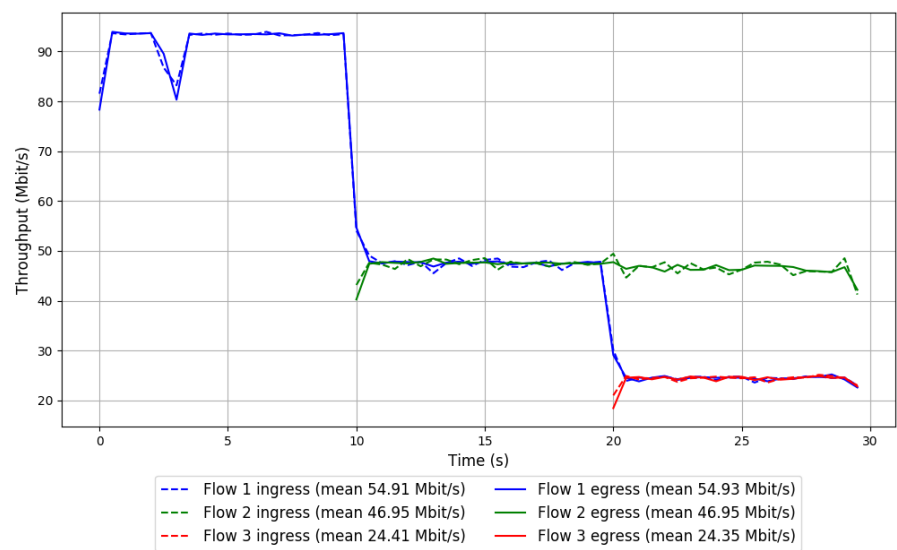


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 14:13:45
End at: 2018-02-16 14:14:15
Local clock offset: -1.675 ms
Remote clock offset: 28.061 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 52.149 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 51.751 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 52.923 ms
Loss rate: 0.60%

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

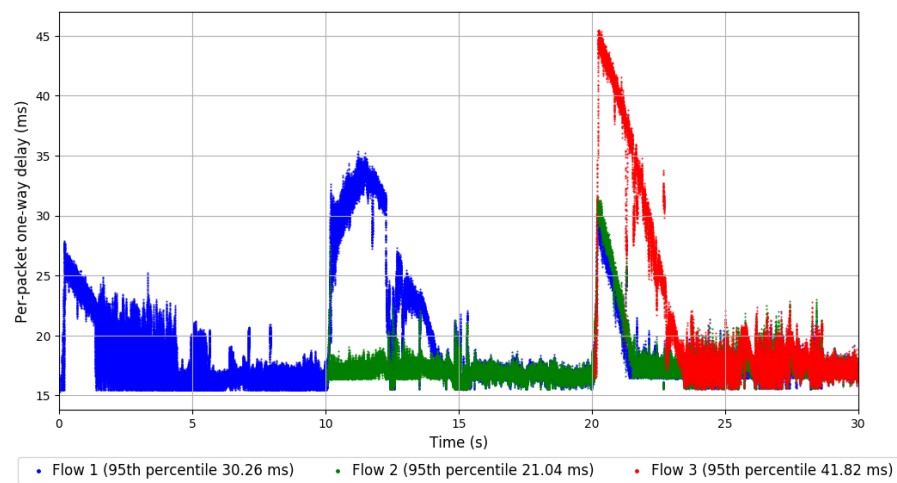
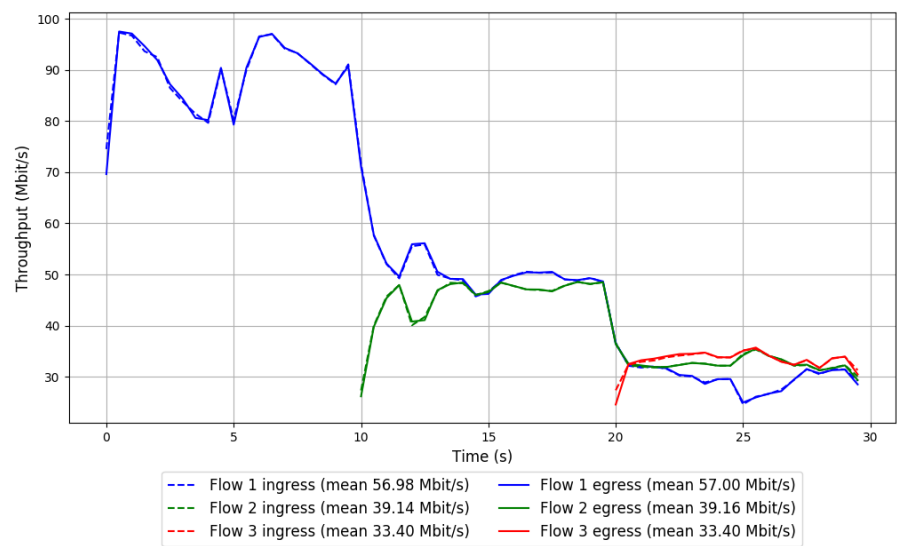


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 10:49:38
End at: 2018-02-16 10:50:08
Local clock offset: -6.317 ms
Remote clock offset: -5.501 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 30.518 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 30.260 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 21.038 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 41.824 ms
Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link

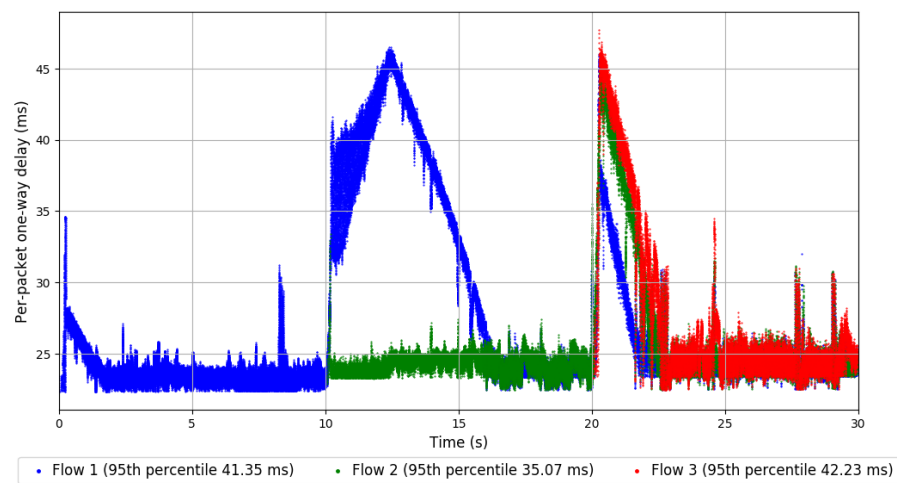
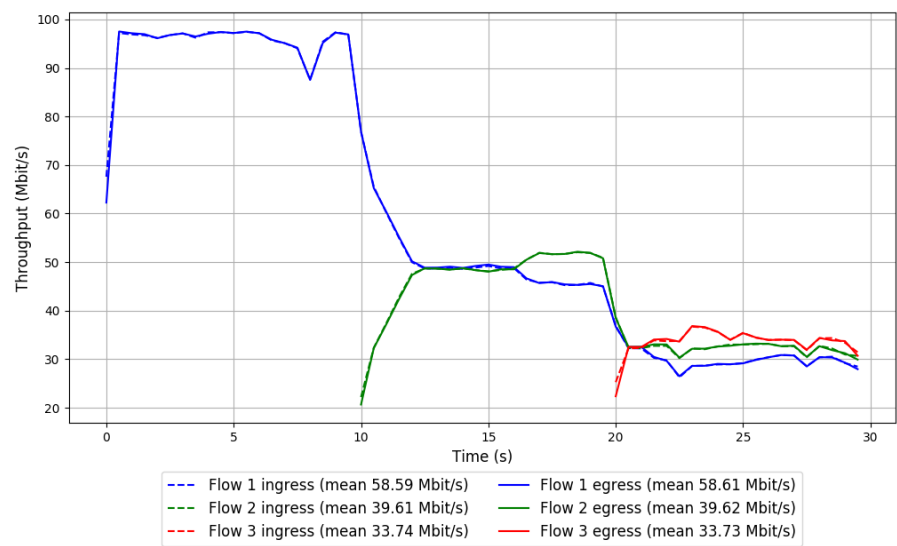


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 11:13:40
End at: 2018-02-16 11:14:10
Local clock offset: -8.681 ms
Remote clock offset: -4.808 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 40.617 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 41.347 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 35.069 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 42.228 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 11:37:28

End at: 2018-02-16 11:37:58

Local clock offset: -4.105 ms

Remote clock offset: -2.277 ms

Run 3: Report of TCP Vegas — Data Link

Figure is missing

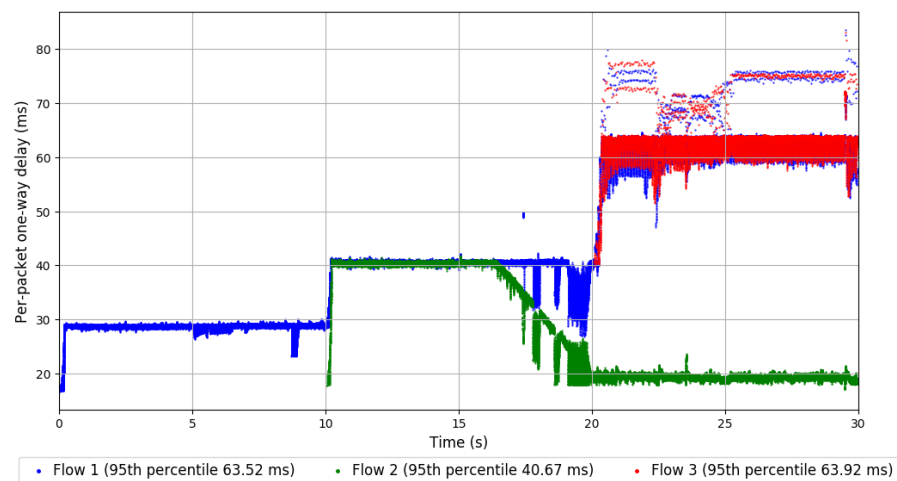
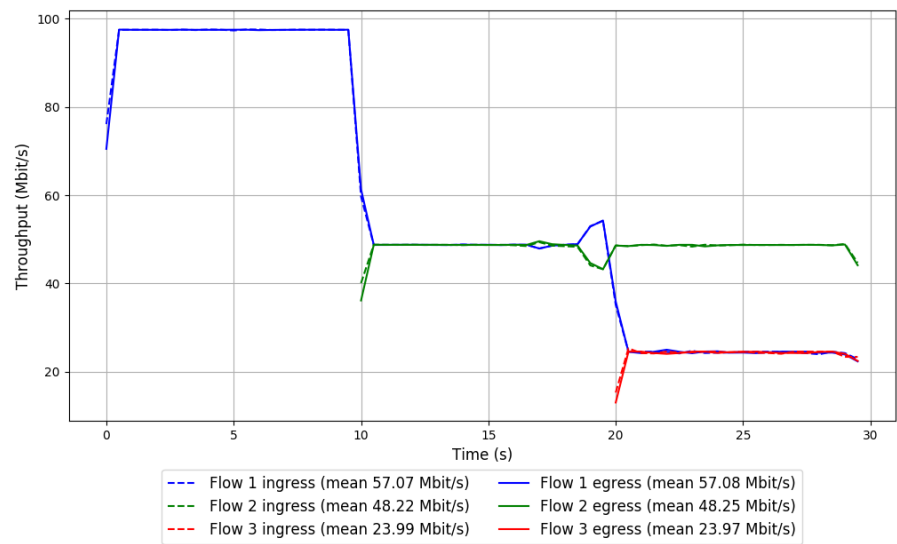
Figure is missing

Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 12:01:03
End at: 2018-02-16 12:01:33
Local clock offset: -2.482 ms
Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 40.666 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 0.77%

Run 4: Report of TCP Vegas — Data Link

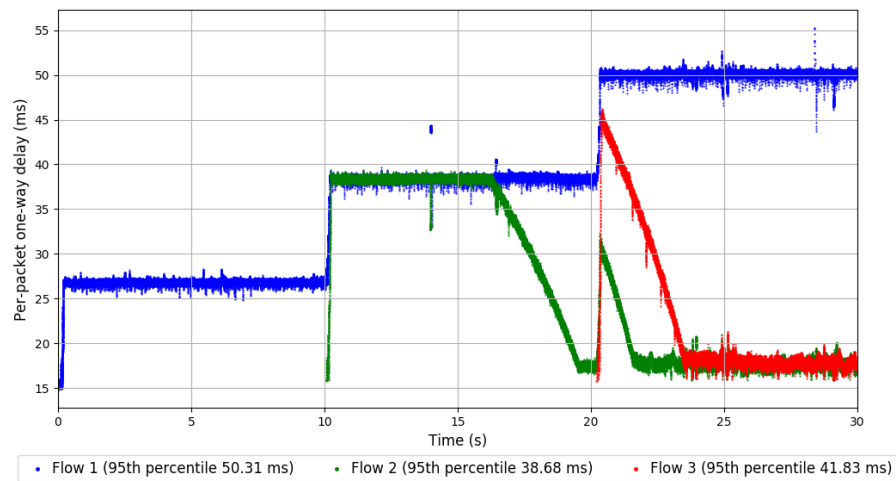
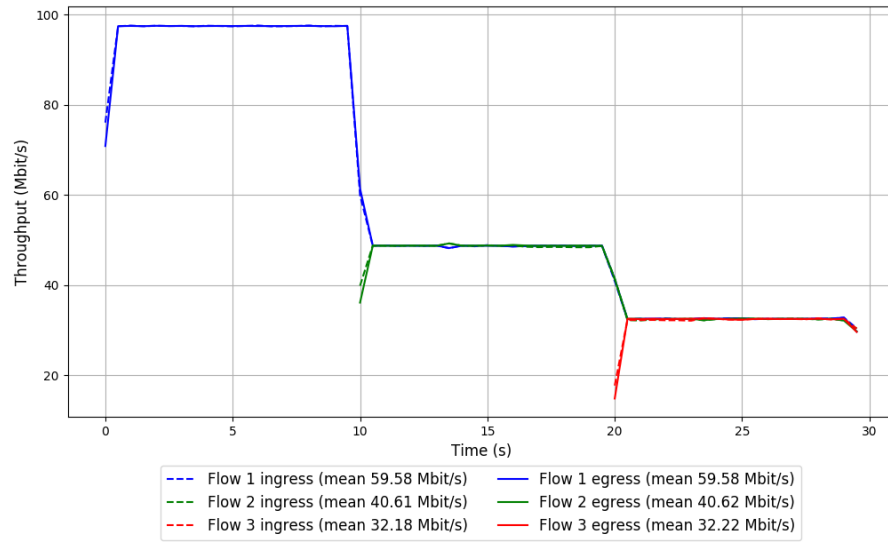


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 12:24:40
End at: 2018-02-16 12:25:10
Local clock offset: -10.111 ms
Remote clock offset: 2.832 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 50.183 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 50.314 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 38.679 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 41.828 ms
Loss rate: 0.29%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 12:47:39

End at: 2018-02-16 12:48:09

Local clock offset: 0.033 ms

Remote clock offset: 6.491 ms

Below is generated by plot.py at 2018-02-16 18:39:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 35.778 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 22.931 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.93 Mbit/s

95th percentile per-packet one-way delay: 22.003 ms

Loss rate: 0.09%

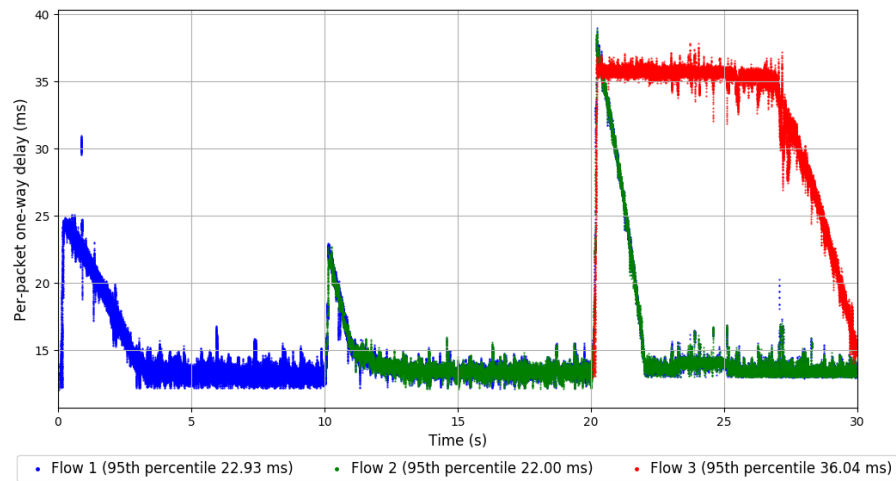
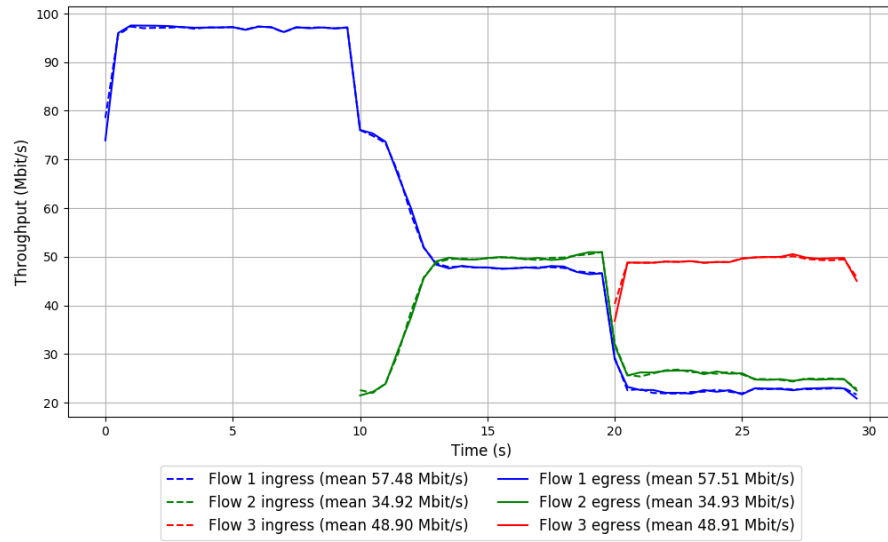
-- Flow 3:

Average throughput: 48.91 Mbit/s

95th percentile per-packet one-way delay: 36.043 ms

Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link

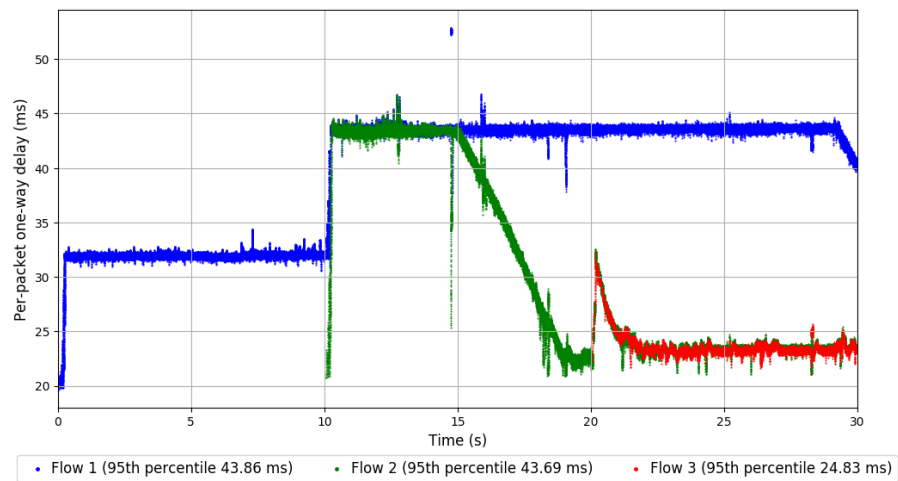
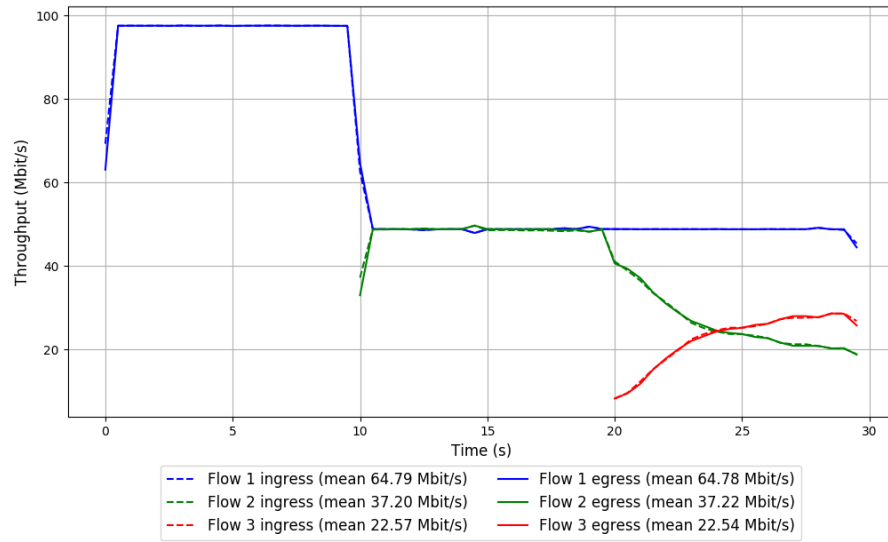


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 13:11:29
End at: 2018-02-16 13:11:59
Local clock offset: -1.682 ms
Remote clock offset: 17.796 ms

Below is generated by plot.py at 2018-02-16 18:39:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 43.824 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 43.860 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 43.688 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 24.827 ms
Loss rate: 0.45%

Run 7: Report of TCP Vegas — Data Link

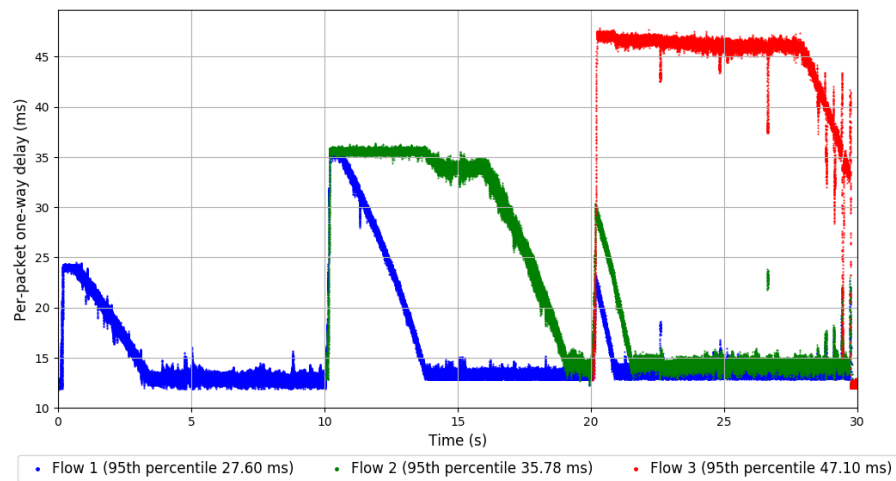
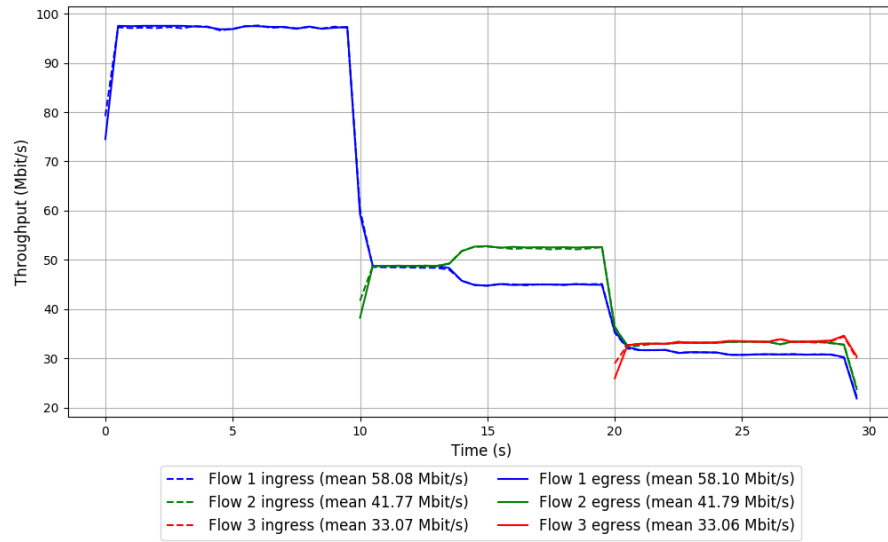


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 13:36:09
End at: 2018-02-16 13:36:39
Local clock offset: -4.163 ms
Remote clock offset: 22.599 ms

Below is generated by plot.py at 2018-02-16 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 46.293 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 27.599 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 35.779 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 47.099 ms
Loss rate: 0.29%

Run 8: Report of TCP Vegas — Data Link

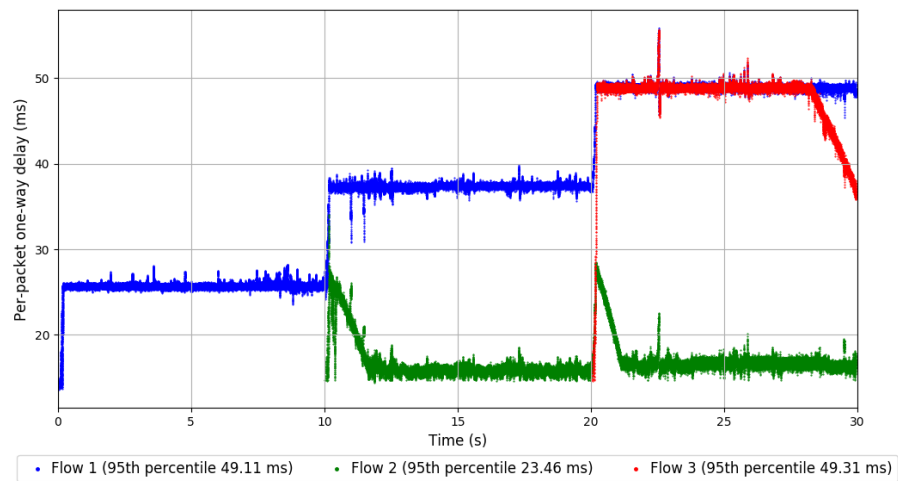
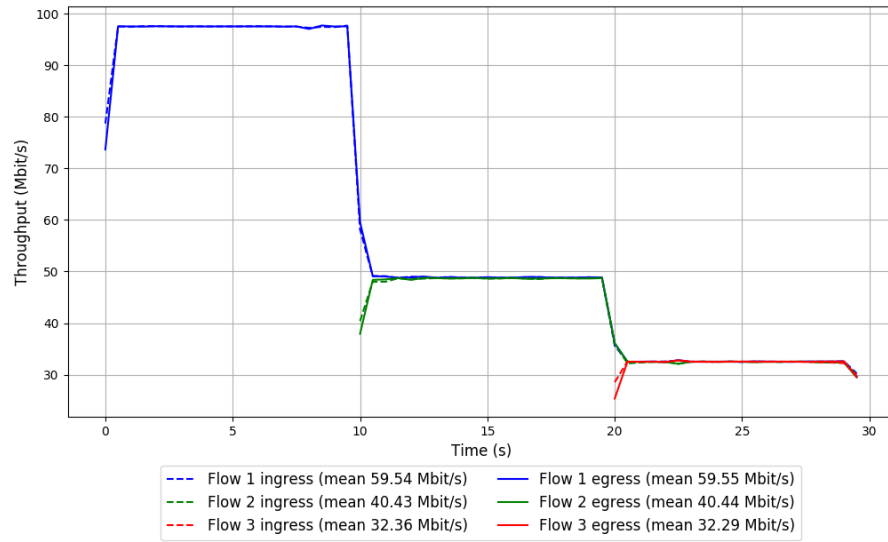


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 13:59:21
End at: 2018-02-16 13:59:51
Local clock offset: -2.534 ms
Remote clock offset: 25.787 ms

Below is generated by plot.py at 2018-02-16 18:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 49.114 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 49.106 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 23.456 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 49.315 ms
Loss rate: 0.47%

Run 9: Report of TCP Vegas — Data Link

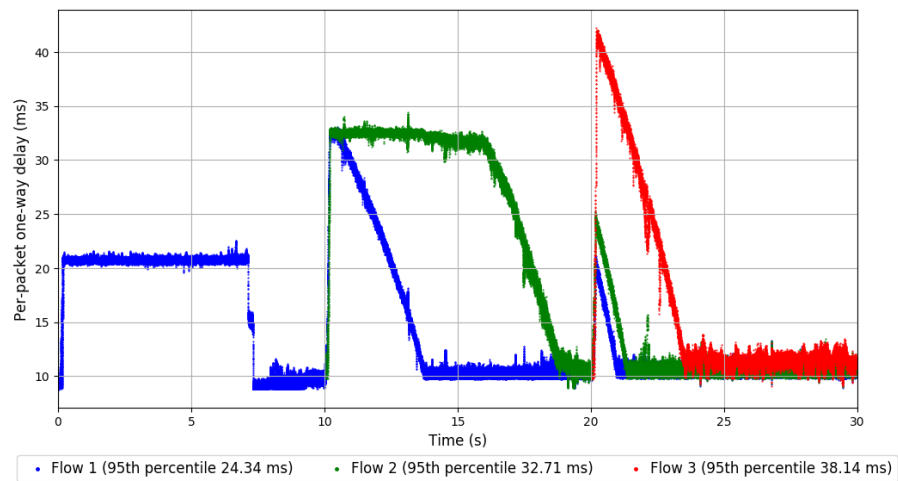
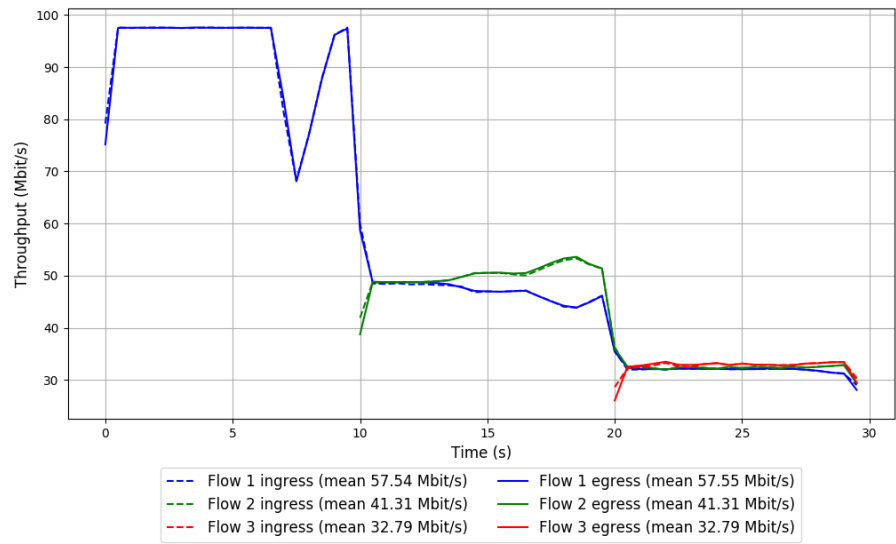


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 14:23:10
End at: 2018-02-16 14:23:40
Local clock offset: -7.293 ms
Remote clock offset: 30.655 ms

Below is generated by plot.py at 2018-02-16 18:40:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 32.553 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 24.336 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 32.706 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 38.143 ms
Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-16 10:58:40

End at: 2018-02-16 10:59:10

Local clock offset: -8.314 ms

Remote clock offset: -4.6 ms

Below is generated by plot.py at 2018-02-16 18:40:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 59.089 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 58.459 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 37.796 ms

Loss rate: 0.26%

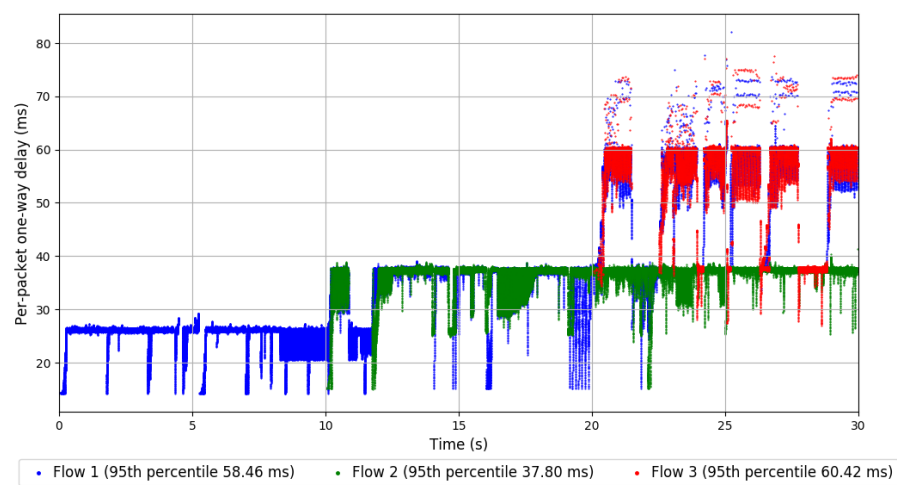
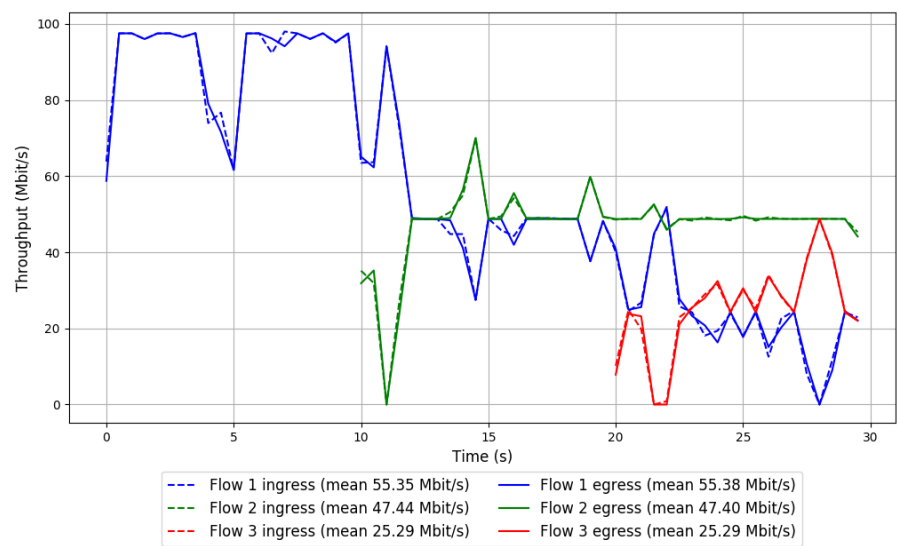
-- Flow 3:

Average throughput: 25.29 Mbit/s

95th percentile per-packet one-way delay: 60.425 ms

Loss rate: 0.68%

Run 1: Report of Verus — Data Link

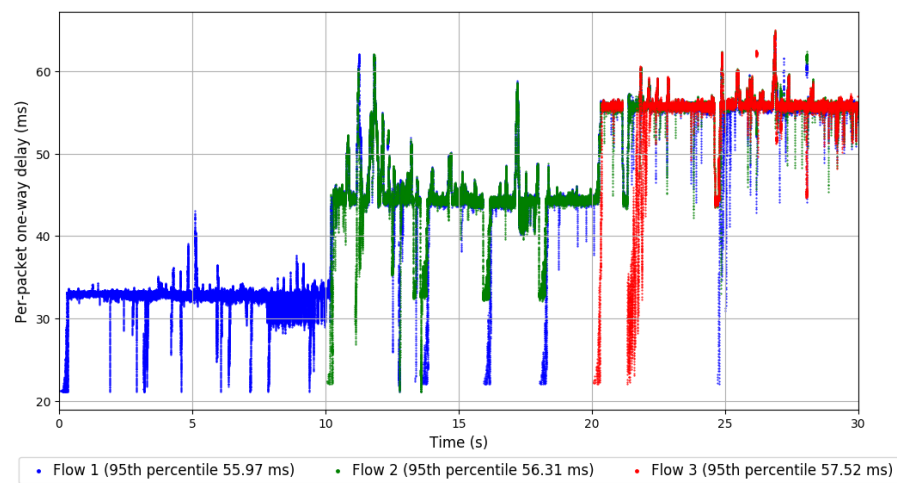
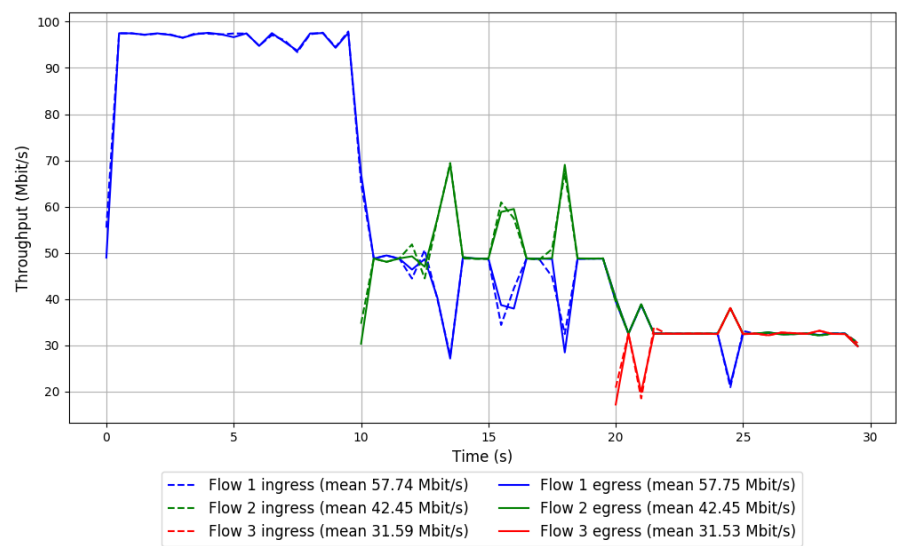


Run 2: Statistics of Verus

Start at: 2018-02-16 11:22:23
End at: 2018-02-16 11:22:53
Local clock offset: -10.285 ms
Remote clock offset: -2.985 ms

Below is generated by plot.py at 2018-02-16 18:40:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 56.197 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 55.967 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 56.311 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 57.519 ms
Loss rate: 0.69%

Run 2: Report of Verus — Data Link

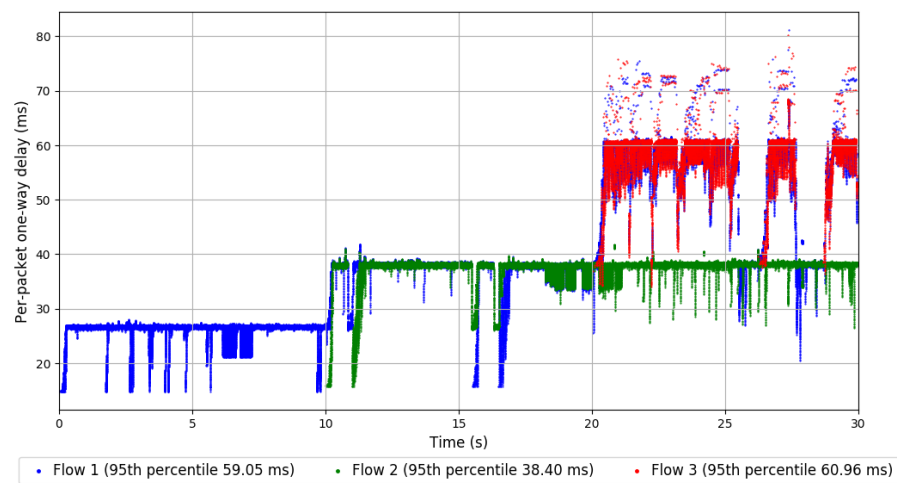
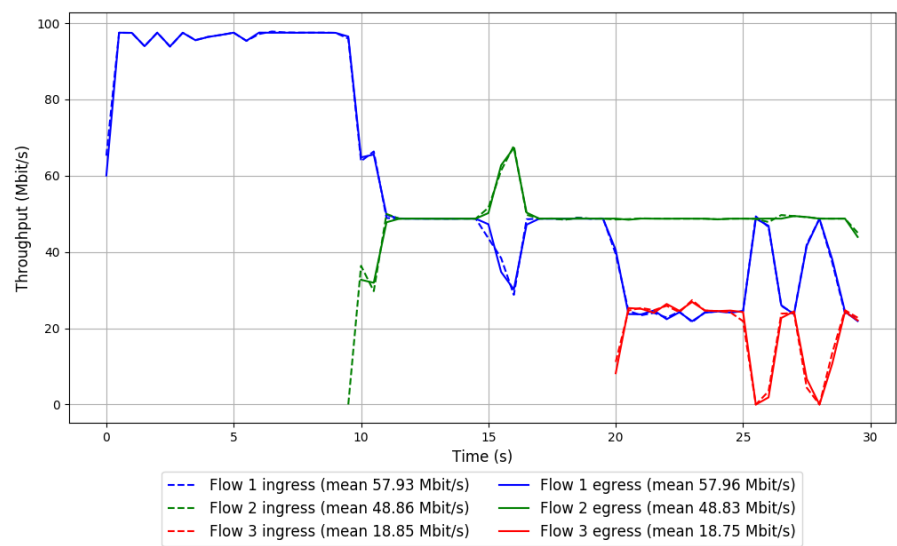


Run 3: Statistics of Verus

Start at: 2018-02-16 11:46:29
End at: 2018-02-16 11:46:59
Local clock offset: -3.301 ms
Remote clock offset: -2.716 ms

Below is generated by plot.py at 2018-02-16 18:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 59.863 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 59.053 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 38.398 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 60.958 ms
Loss rate: 1.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 12:09:52

End at: 2018-02-16 12:10:22

Local clock offset: -8.86 ms

Remote clock offset: 2.709 ms

Below is generated by plot.py at 2018-02-16 18:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 47.657 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 58.50 Mbit/s

95th percentile per-packet one-way delay: 47.486 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 47.681 ms

Loss rate: 0.25%

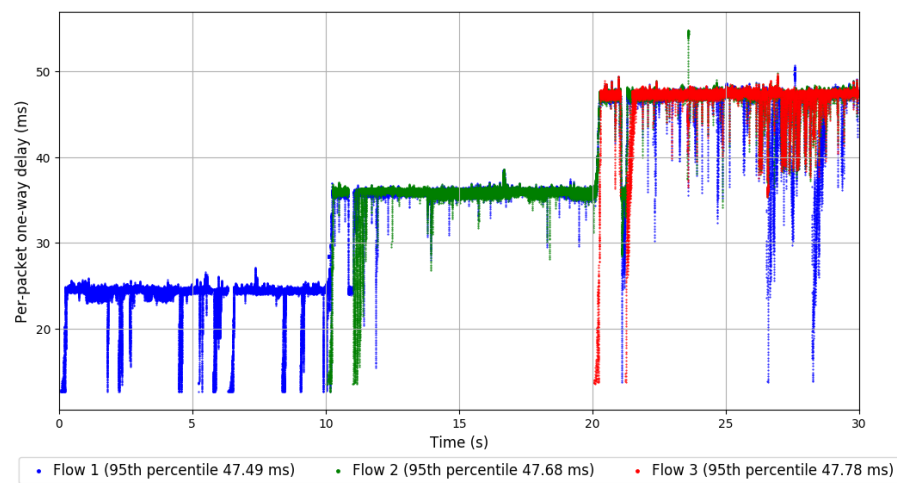
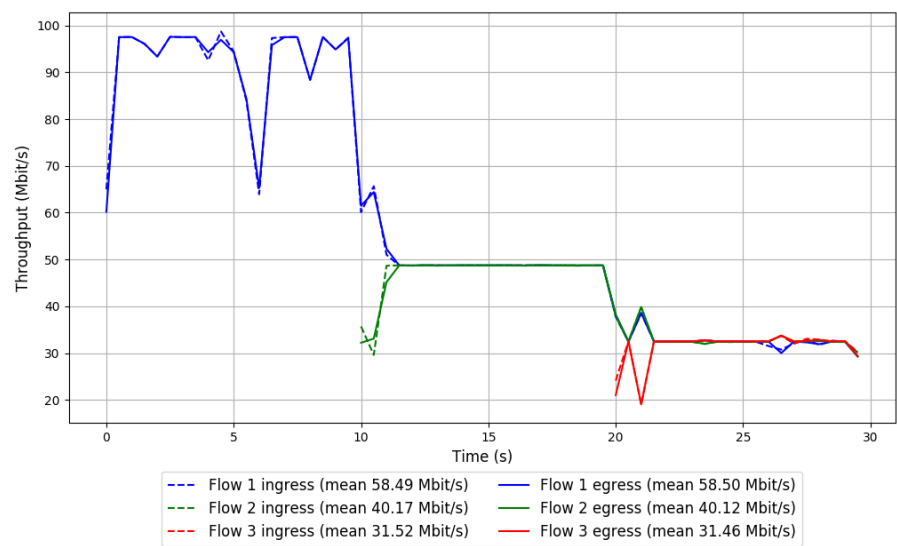
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 47.782 ms

Loss rate: 0.63%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 12:33:22

End at: 2018-02-16 12:33:52

Local clock offset: -8.449 ms

Remote clock offset: 4.544 ms

Below is generated by plot.py at 2018-02-16 18:41:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 59.863 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 60.78 Mbit/s

95th percentile per-packet one-way delay: 59.049 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 60.275 ms

Loss rate: 0.30%

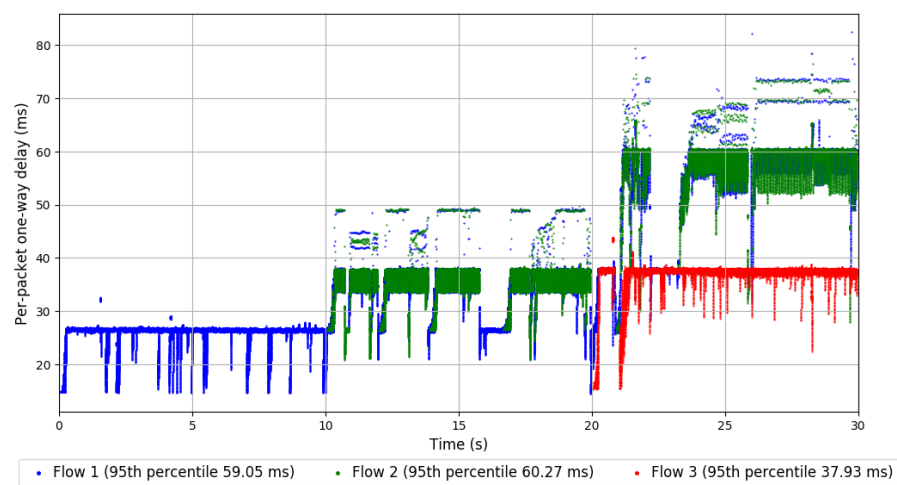
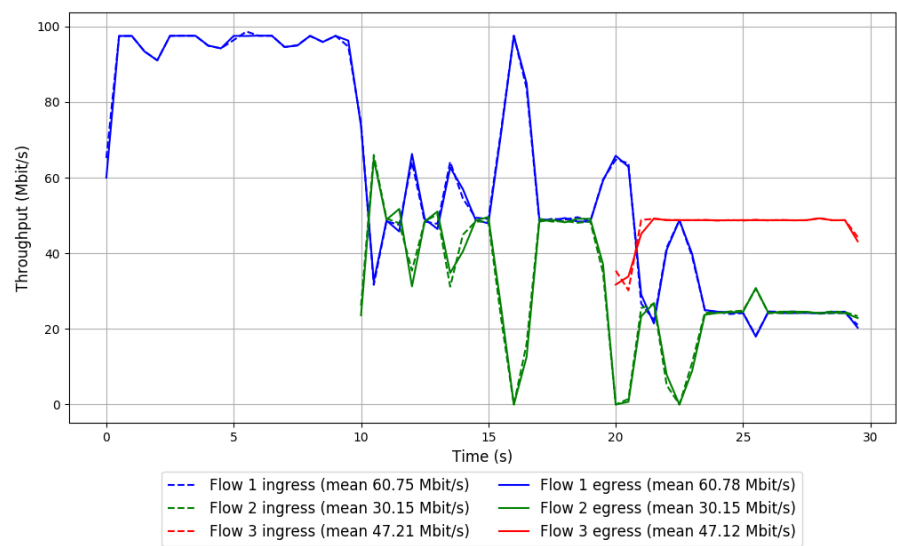
-- Flow 3:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 37.930 ms

Loss rate: 0.51%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-16 12:56:28

End at: 2018-02-16 12:56:58

Local clock offset: 3.633 ms

Remote clock offset: 9.85 ms

Below is generated by plot.py at 2018-02-16 18:41:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 58.593 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.95 Mbit/s

95th percentile per-packet one-way delay: 58.431 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 58.575 ms

Loss rate: 0.27%

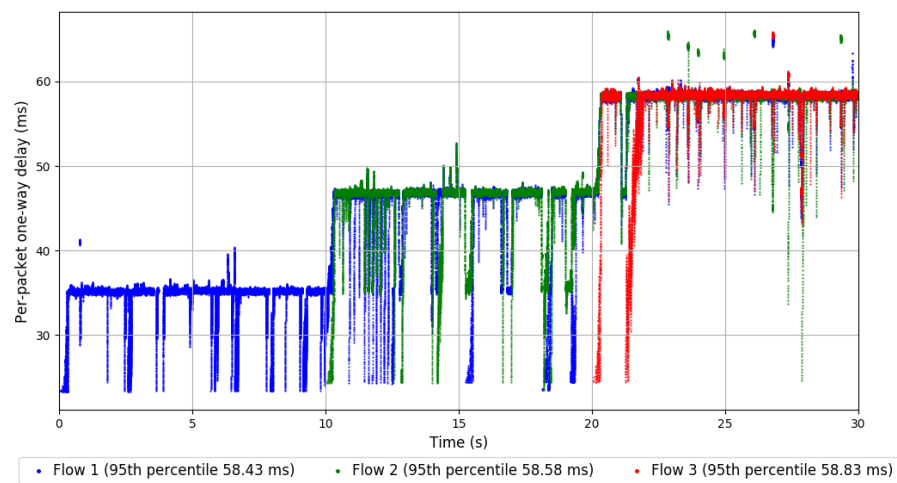
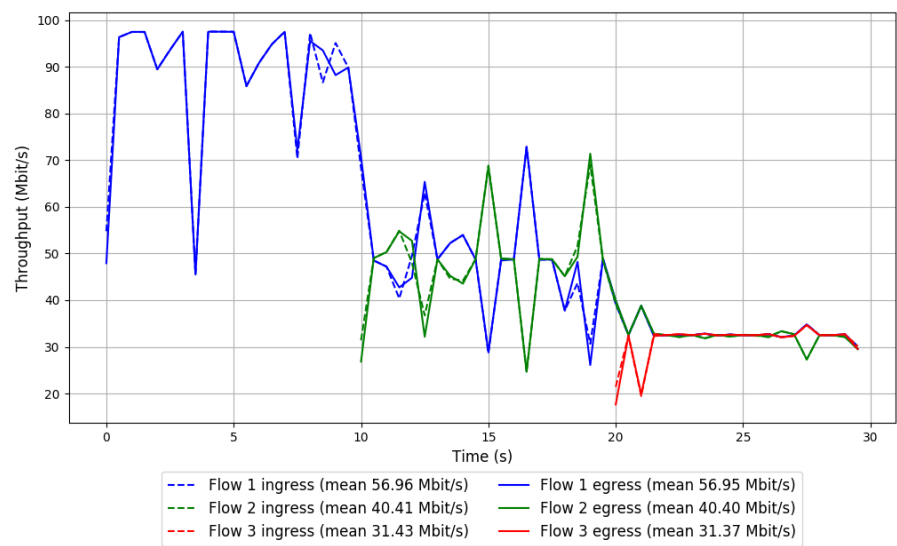
-- Flow 3:

Average throughput: 31.37 Mbit/s

95th percentile per-packet one-way delay: 58.825 ms

Loss rate: 0.70%

Run 6: Report of Verus — Data Link

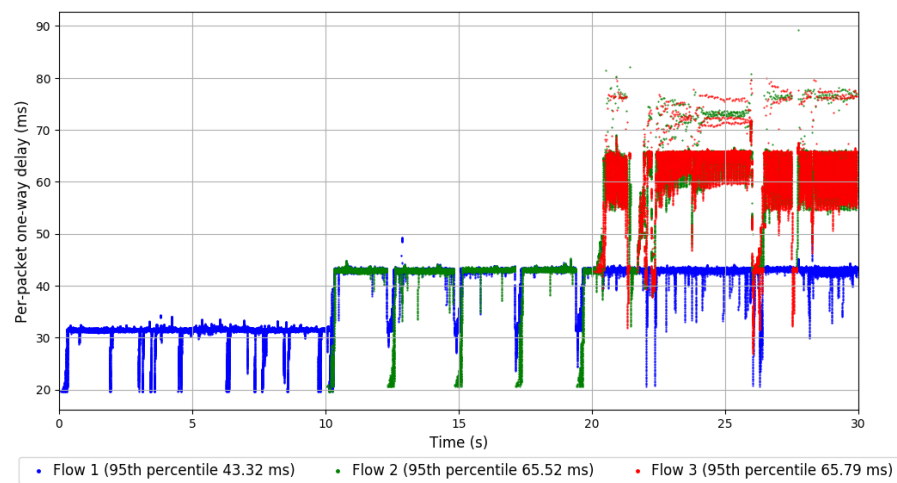
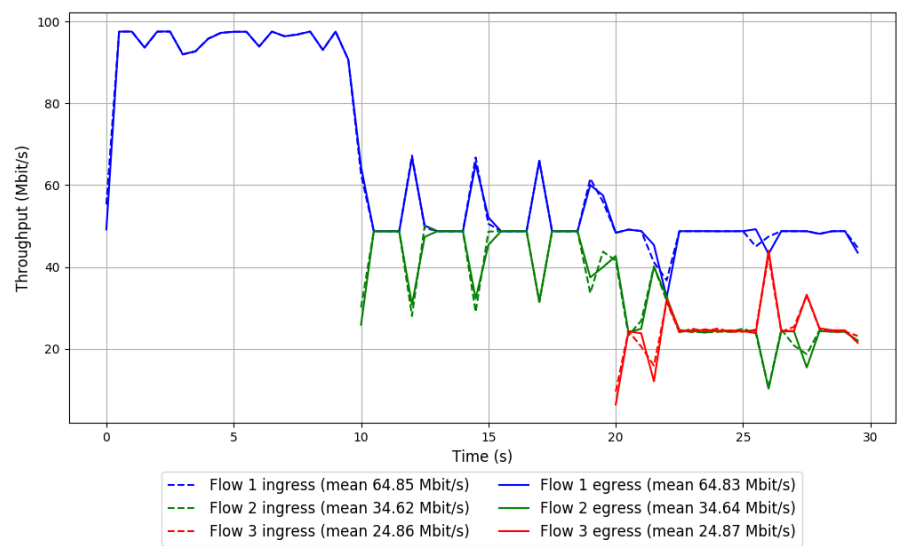


Run 7: Statistics of Verus

Start at: 2018-02-16 13:20:36
End at: 2018-02-16 13:21:06
Local clock offset: -3.126 ms
Remote clock offset: 21.315 ms

Below is generated by plot.py at 2018-02-16 18:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 64.435 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 43.322 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 65.520 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 65.791 ms
Loss rate: 0.82%

Run 7: Report of Verus — Data Link

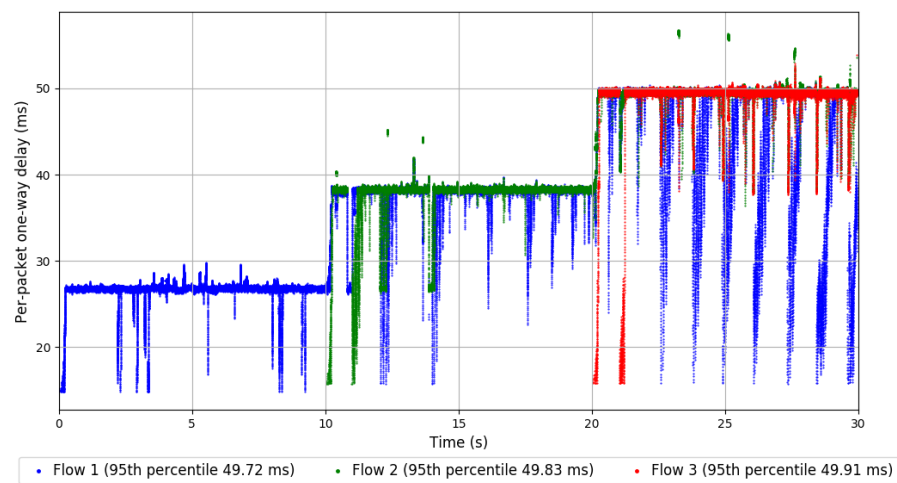
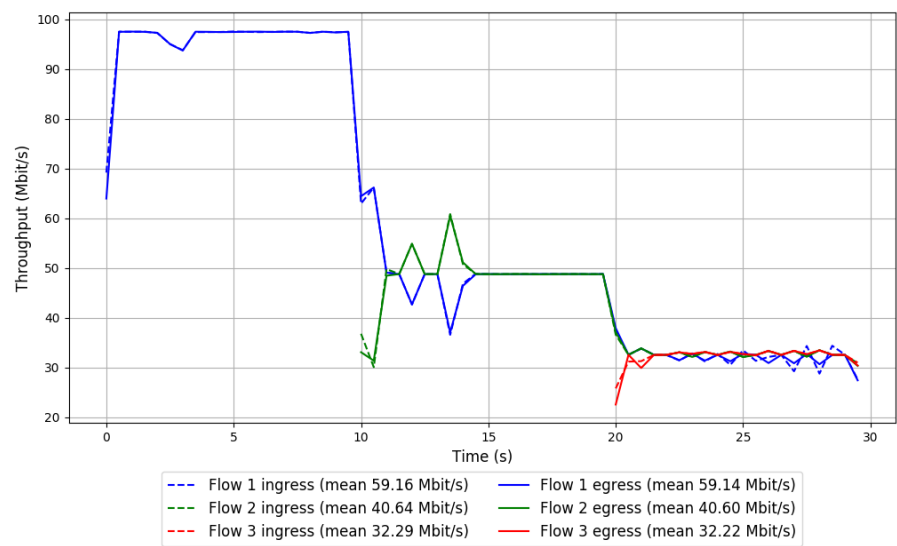


Run 8: Statistics of Verus

Start at: 2018-02-16 13:45:12
End at: 2018-02-16 13:45:42
Local clock offset: -2.172 ms
Remote clock offset: 22.854 ms

Below is generated by plot.py at 2018-02-16 18:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 49.822 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 49.719 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 49.832 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 49.915 ms
Loss rate: 0.59%

Run 8: Report of Verus — Data Link

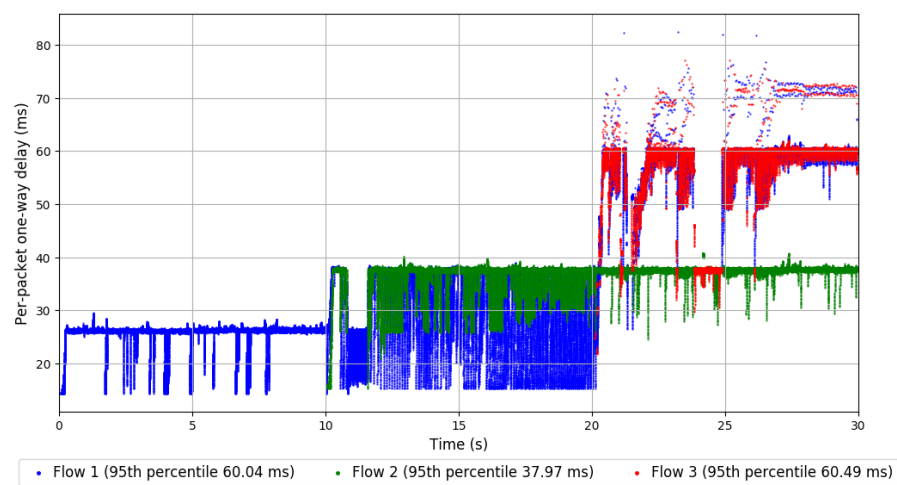
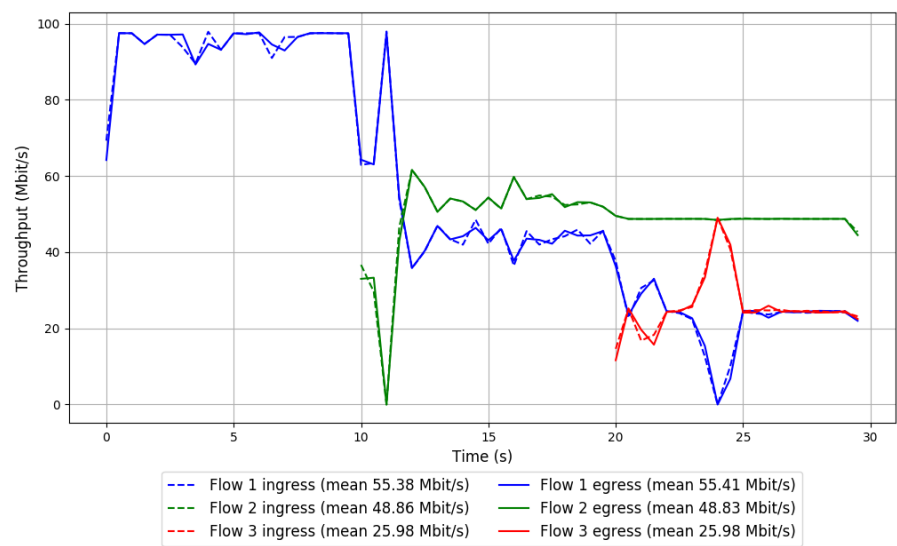


Run 9: Statistics of Verus

Start at: 2018-02-16 14:08:28
End at: 2018-02-16 14:08:58
Local clock offset: -1.679 ms
Remote clock offset: 27.346 ms

Below is generated by plot.py at 2018-02-16 18:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 60.118 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 60.036 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 37.969 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 60.491 ms
Loss rate: 0.70%

Run 9: Report of Verus — Data Link

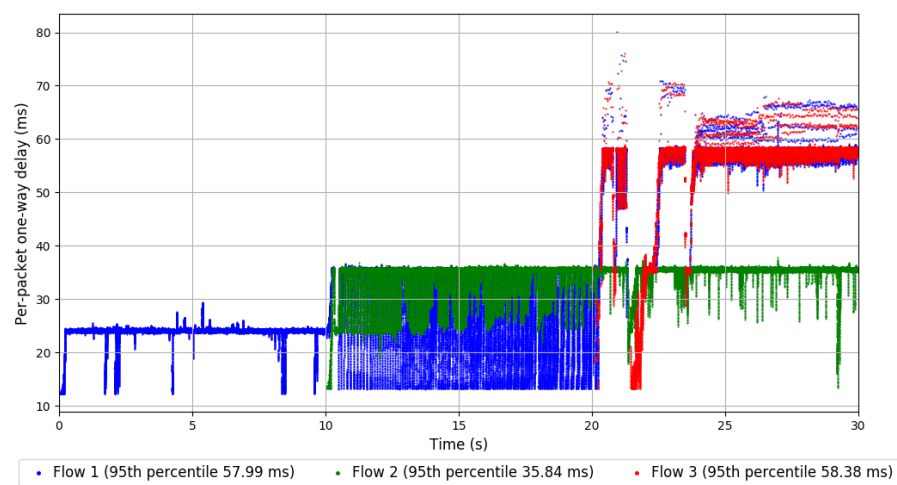
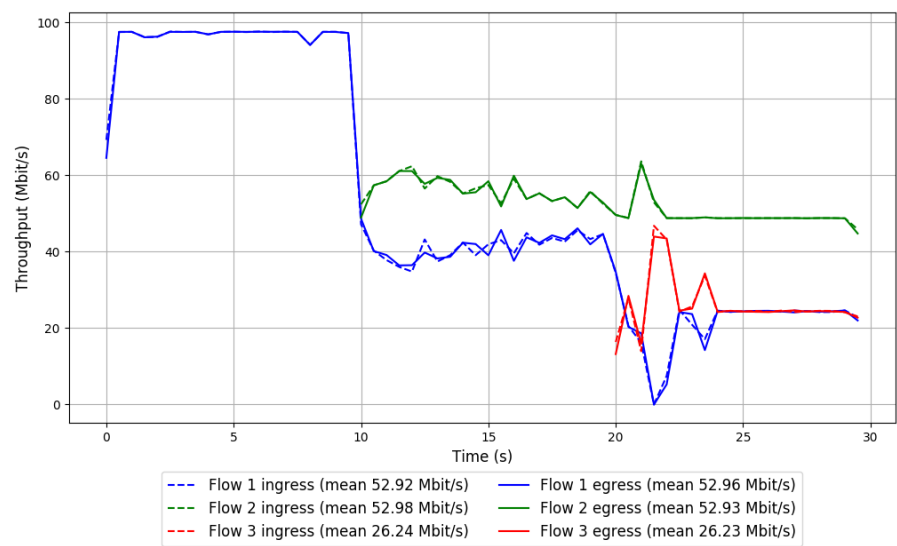


Run 10: Statistics of Verus

Start at: 2018-02-16 14:31:45
End at: 2018-02-16 14:32:15
Local clock offset: -4.578 ms
Remote clock offset: 31.708 ms

Below is generated by plot.py at 2018-02-16 18:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 58.029 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 57.993 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 35.836 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 58.384 ms
Loss rate: 0.63%

Run 10: Report of Verus — Data Link

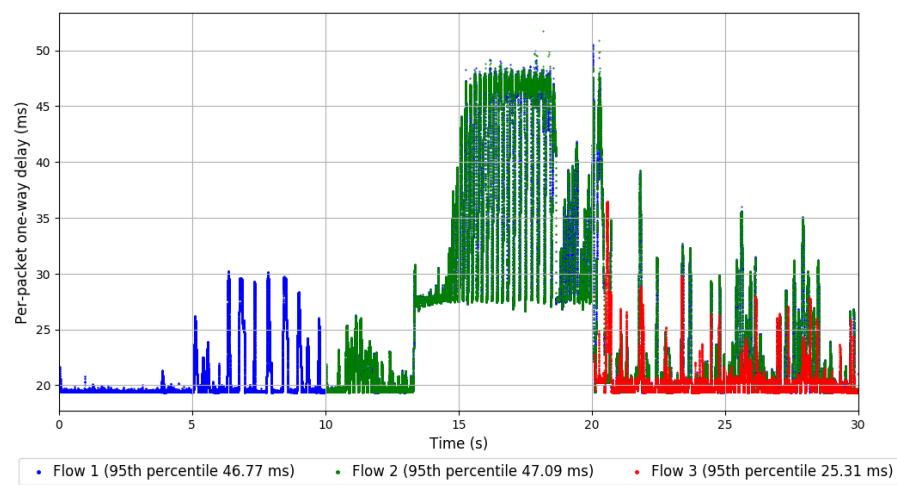
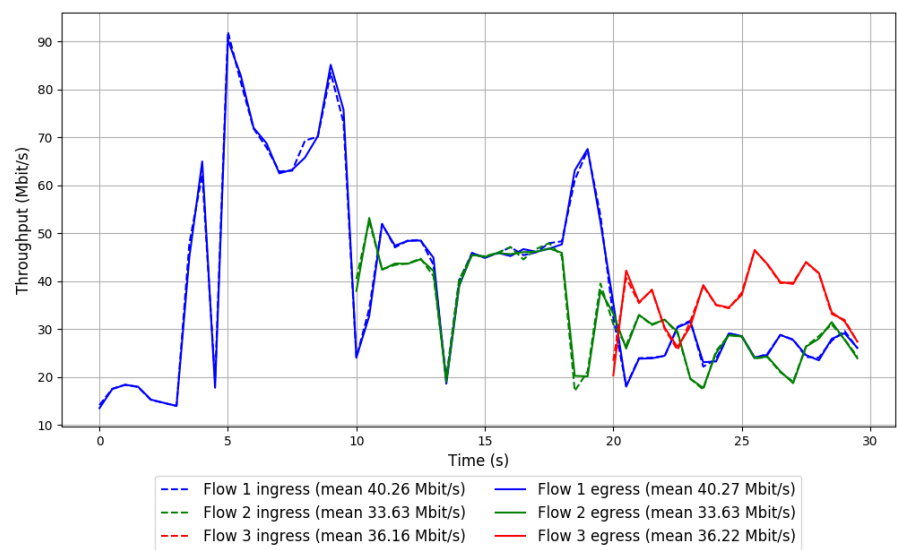


Run 1: Statistics of Copa

Start at: 2018-02-16 10:48:16
End at: 2018-02-16 10:48:46
Local clock offset: -1.851 ms
Remote clock offset: -4.921 ms

Below is generated by plot.py at 2018-02-16 18:42:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.63 Mbit/s
95th percentile per-packet one-way delay: 46.841 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 46.766 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 47.091 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 25.310 ms
Loss rate: 0.21%

Run 1: Report of Copa — Data Link

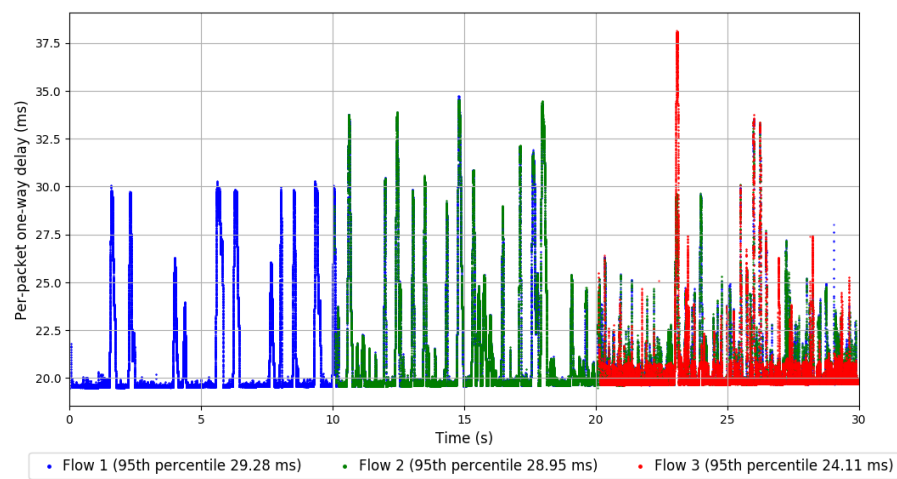
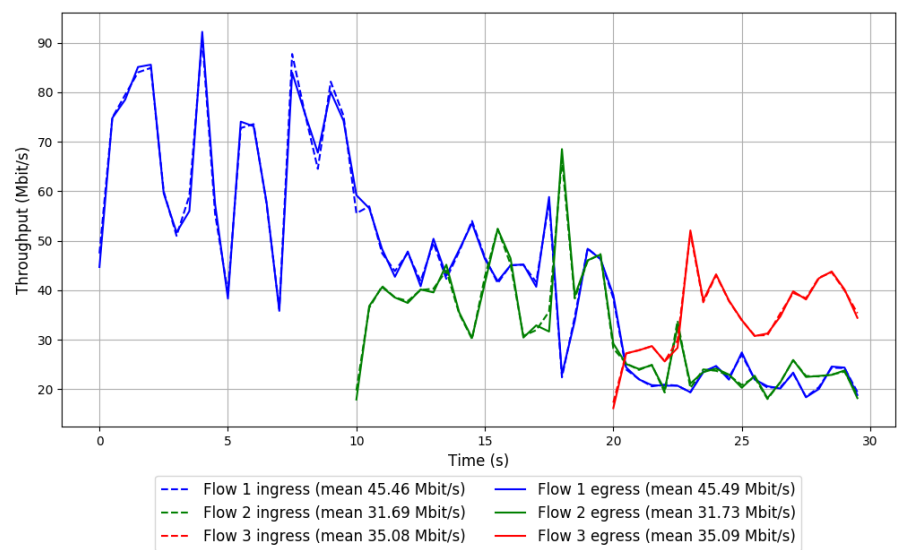


Run 2: Statistics of Copa

Start at: 2018-02-16 11:12:12
End at: 2018-02-16 11:12:42
Local clock offset: -10.482 ms
Remote clock offset: -4.346 ms

Below is generated by plot.py at 2018-02-16 18:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.20 Mbit/s
95th percentile per-packet one-way delay: 29.055 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 29.278 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 28.954 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 24.114 ms
Loss rate: 0.35%

Run 2: Report of Copa — Data Link

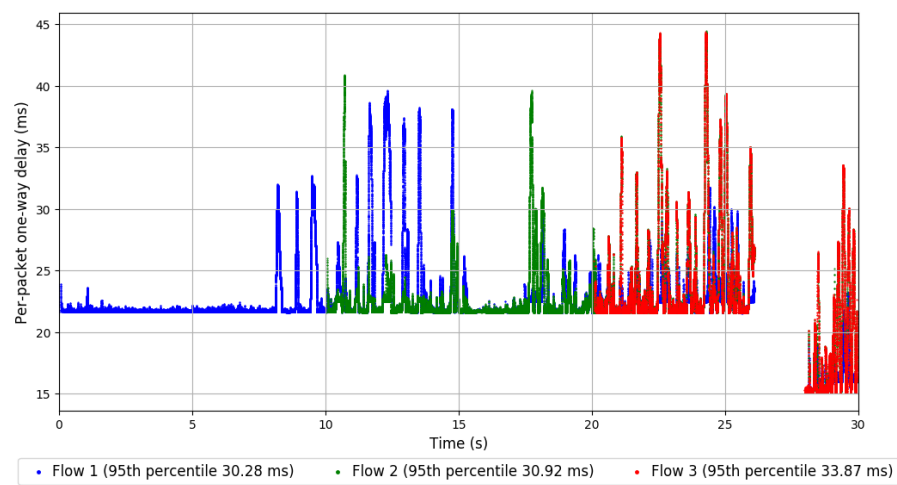
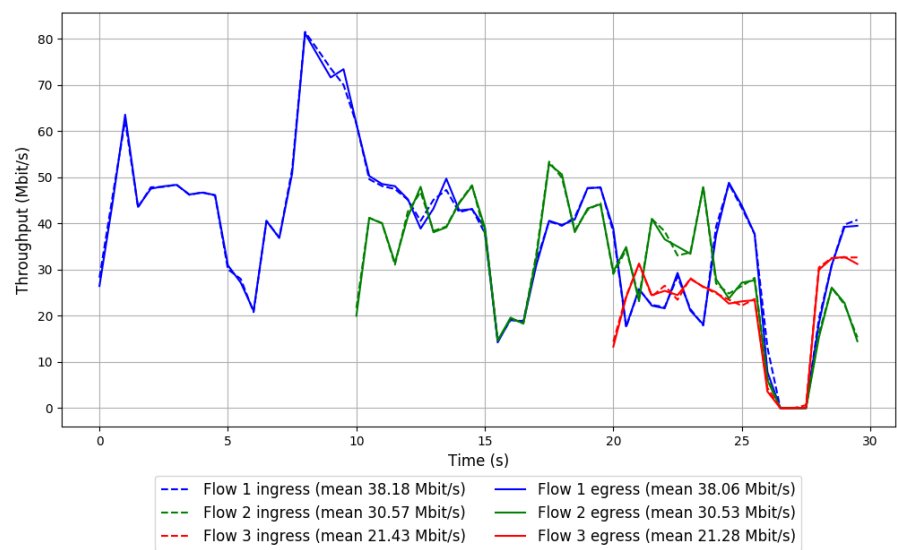


Run 3: Statistics of Copa

Start at: 2018-02-16 11:36:06
End at: 2018-02-16 11:36:36
Local clock offset: -2.736 ms
Remote clock offset: -1.663 ms

Below is generated by plot.py at 2018-02-16 18:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 30.906 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 30.278 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 30.919 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 1.03%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 11:59:42

End at: 2018-02-16 12:00:12

Local clock offset: -0.309 ms

Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-02-16 18:43:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.01 Mbit/s

95th percentile per-packet one-way delay: 25.386 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 46.76 Mbit/s

95th percentile per-packet one-way delay: 24.954 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 24.605 ms

Loss rate: 0.20%

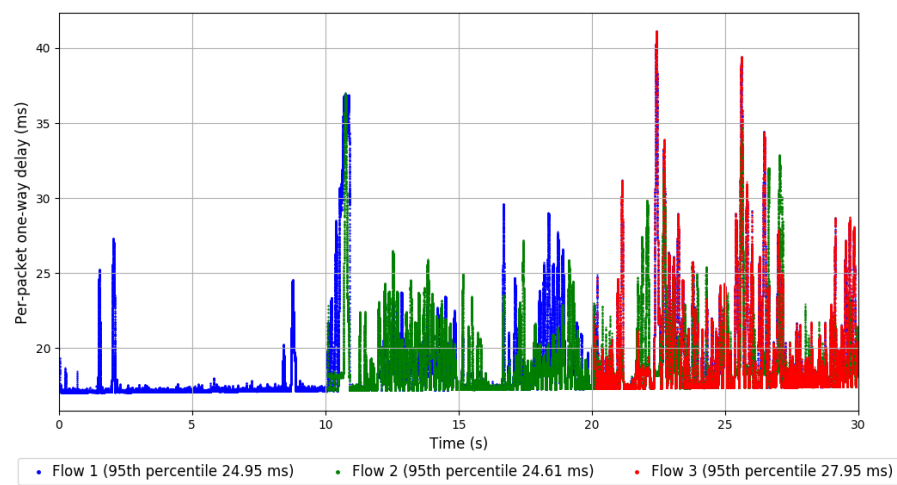
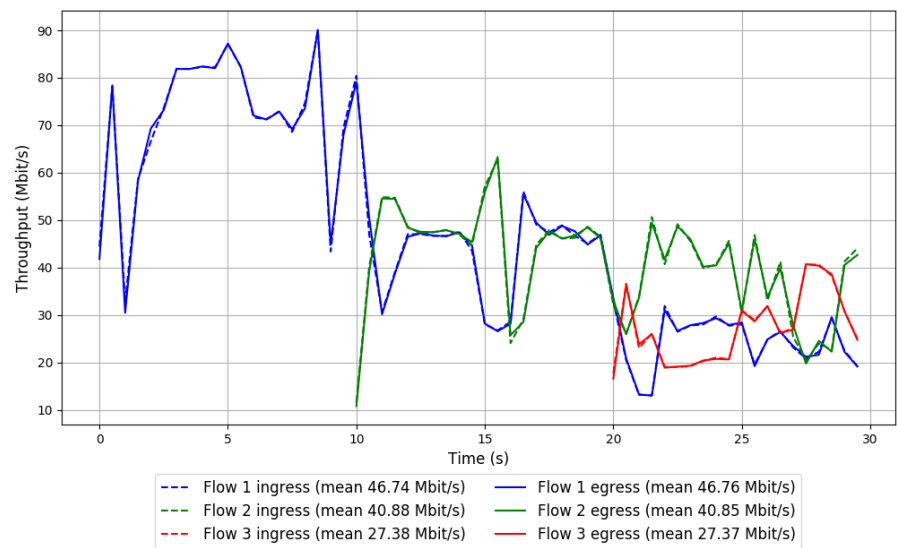
-- Flow 3:

Average throughput: 27.37 Mbit/s

95th percentile per-packet one-way delay: 27.955 ms

Loss rate: 0.30%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-16 12:23:19

End at: 2018-02-16 12:23:49

Local clock offset: -7.507 ms

Remote clock offset: 3.717 ms

Below is generated by plot.py at 2018-02-16 18:44:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.05 Mbit/s

95th percentile per-packet one-way delay: 23.170 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 21.303 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.03 Mbit/s

95th percentile per-packet one-way delay: 25.171 ms

Loss rate: 0.16%

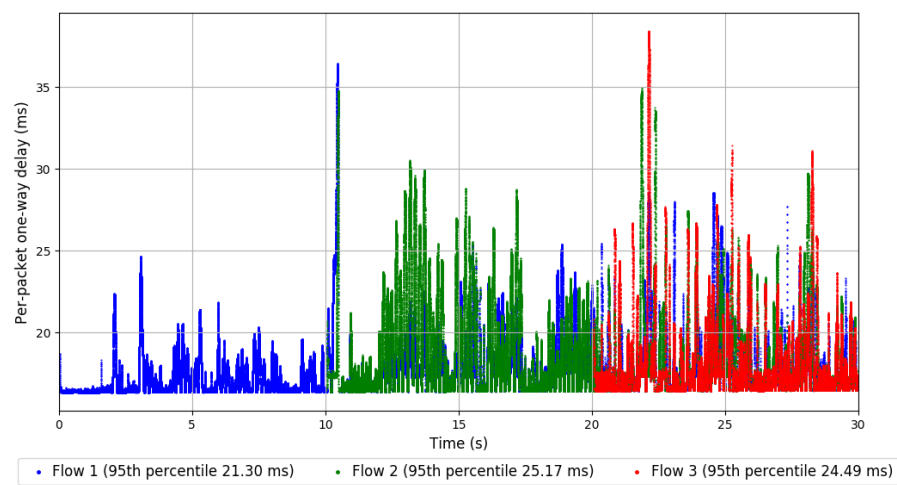
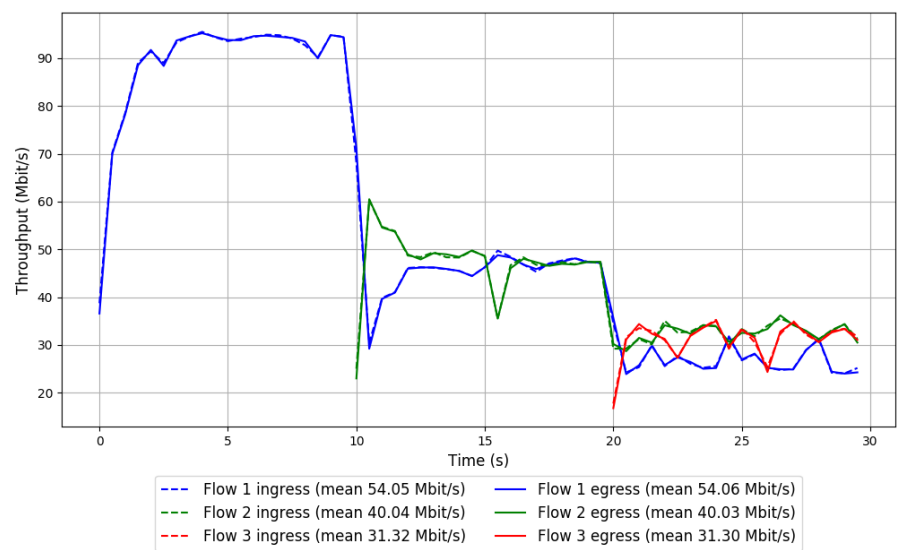
-- Flow 3:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 24.487 ms

Loss rate: 0.31%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-16 12:46:20

End at: 2018-02-16 12:46:50

Local clock offset: 0.735 ms

Remote clock offset: 6.161 ms

Below is generated by plot.py at 2018-02-16 18:44:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 19.418 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 54.57 Mbit/s

95th percentile per-packet one-way delay: 19.552 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 37.03 Mbit/s

95th percentile per-packet one-way delay: 19.271 ms

Loss rate: 0.09%

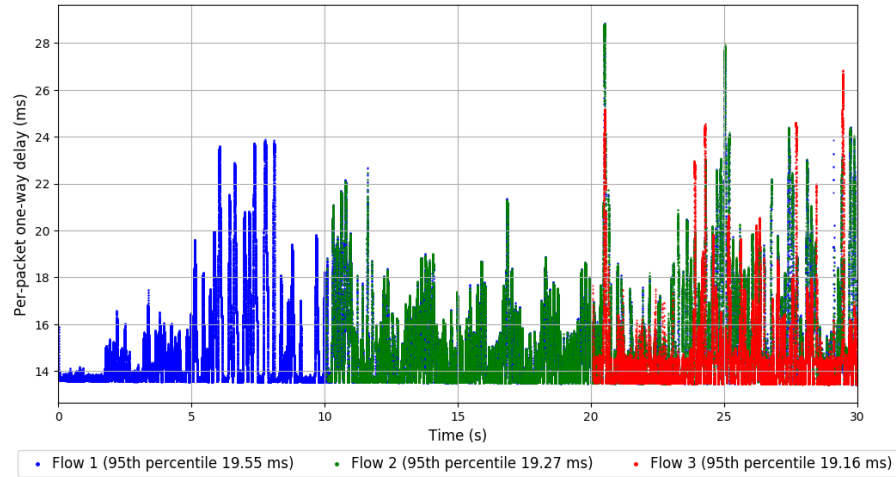
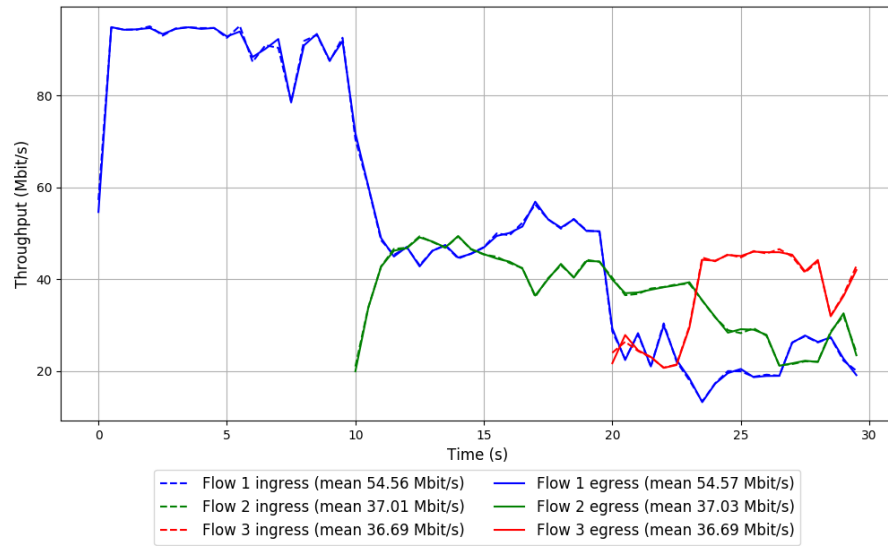
-- Flow 3:

Average throughput: 36.69 Mbit/s

95th percentile per-packet one-way delay: 19.161 ms

Loss rate: 0.29%

Run 6: Report of Copa — Data Link

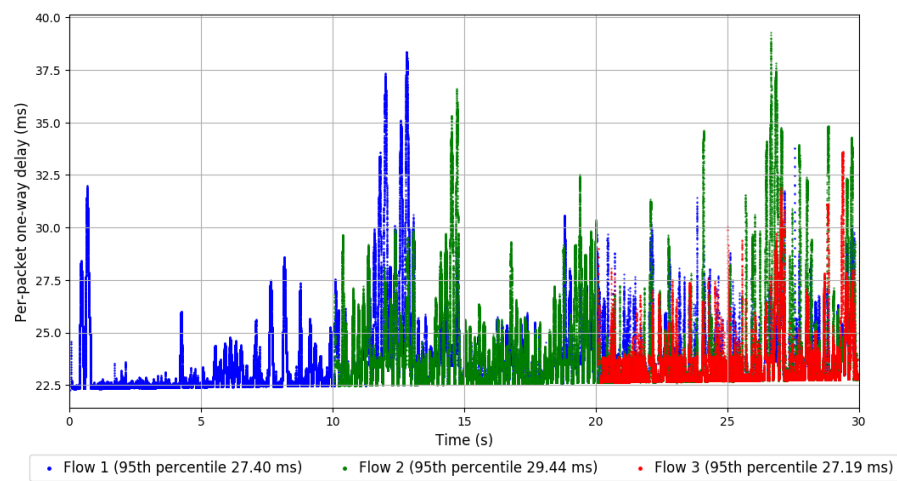
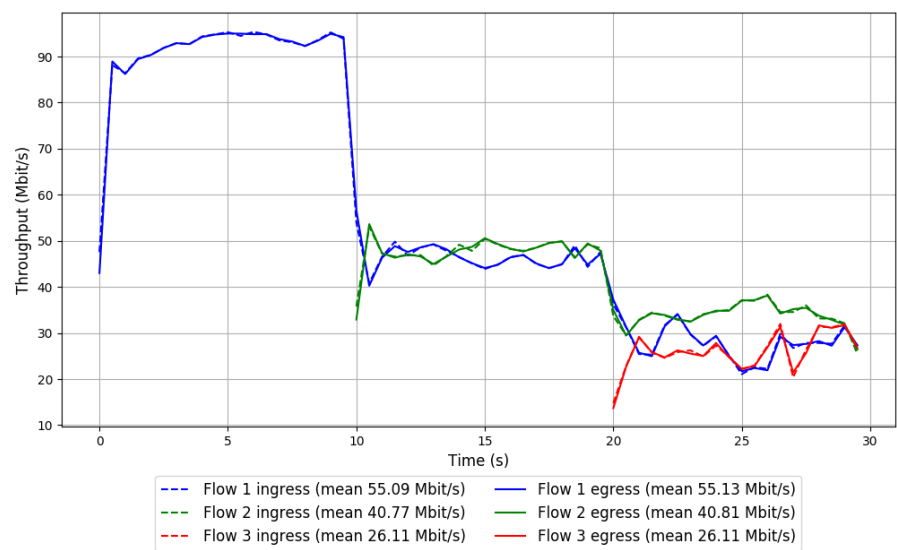


Run 7: Statistics of Copa

Start at: 2018-02-16 13:10:00
End at: 2018-02-16 13:10:30
Local clock offset: 1.004 ms
Remote clock offset: 16.667 ms

Below is generated by plot.py at 2018-02-16 18:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 28.194 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 27.400 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 29.441 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 27.192 ms
Loss rate: 0.35%

Run 7: Report of Copa — Data Link

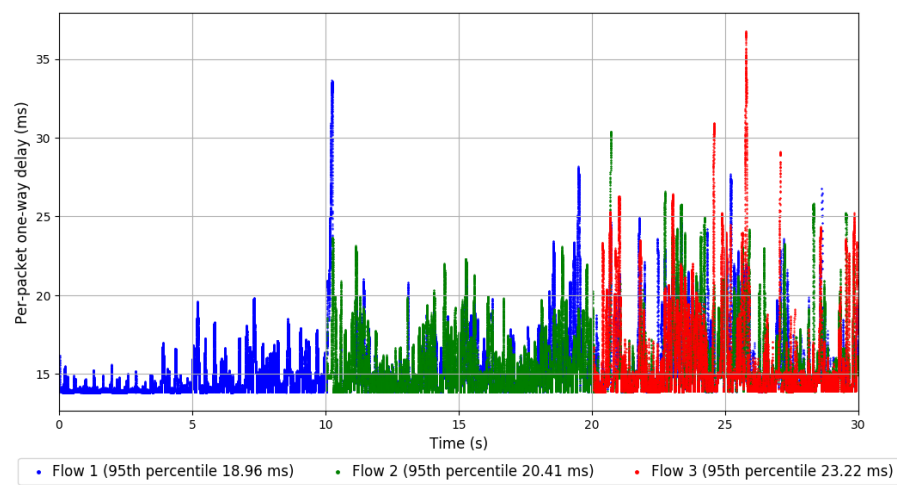
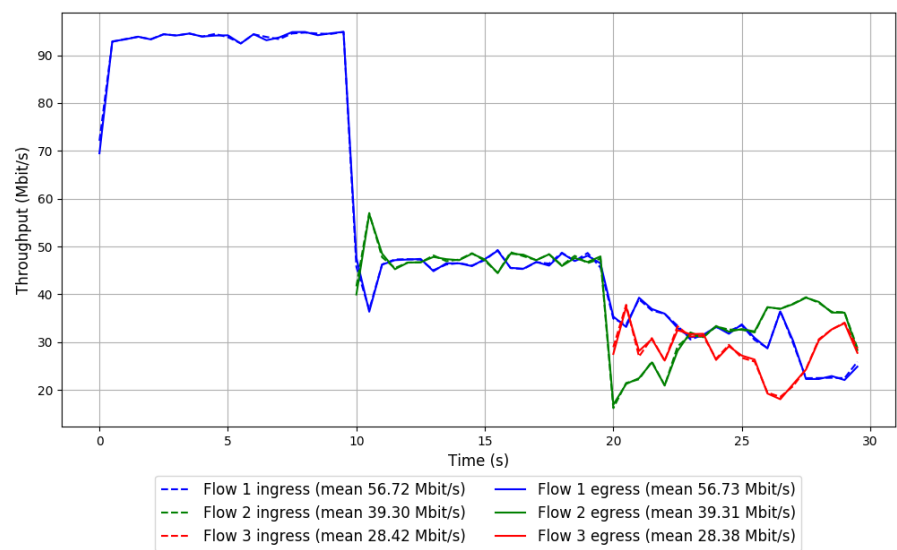


Run 8: Statistics of Copa

Start at: 2018-02-16 13:34:48
End at: 2018-02-16 13:35:18
Local clock offset: -2.039 ms
Remote clock offset: 22.599 ms

```
# Below is generated by plot.py at 2018-02-16 18:44:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 20.027 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 23.217 ms
Loss rate: 0.37%
```

Run 8: Report of Copa — Data Link

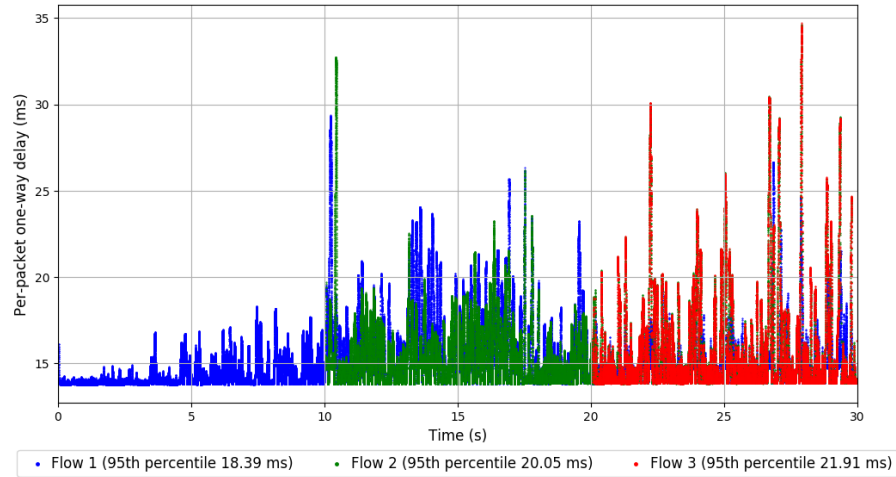
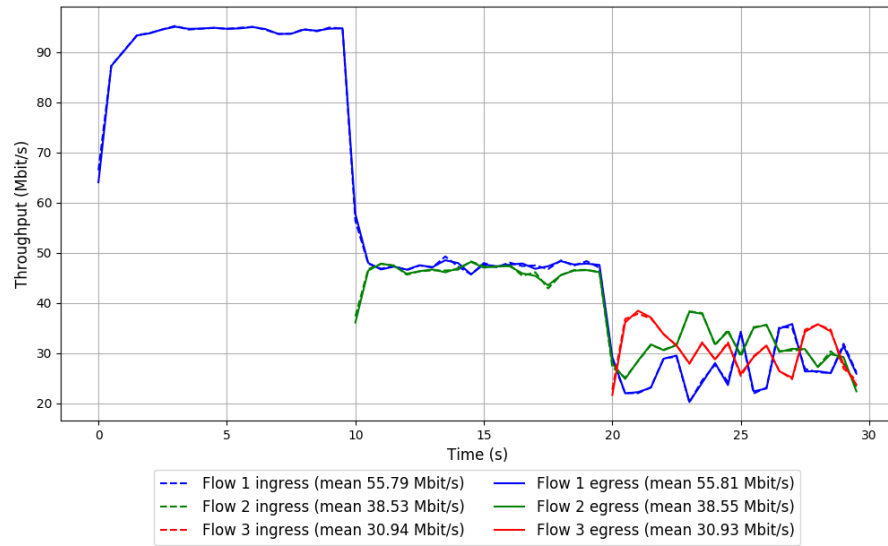


Run 9: Statistics of Copa

Start at: 2018-02-16 13:57:55
End at: 2018-02-16 13:58:25
Local clock offset: -1.85 ms
Remote clock offset: 26.194 ms

Below is generated by plot.py at 2018-02-16 18:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 21.914 ms
Loss rate: 0.26%

Run 9: Report of Copa — Data Link

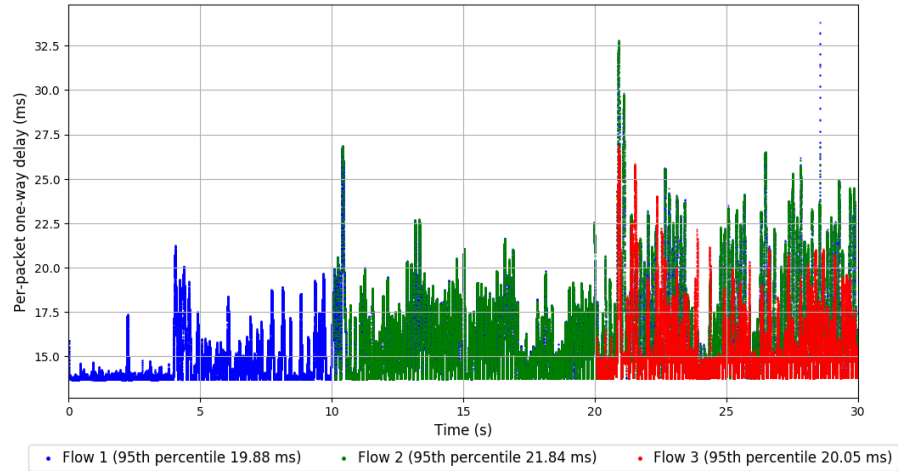
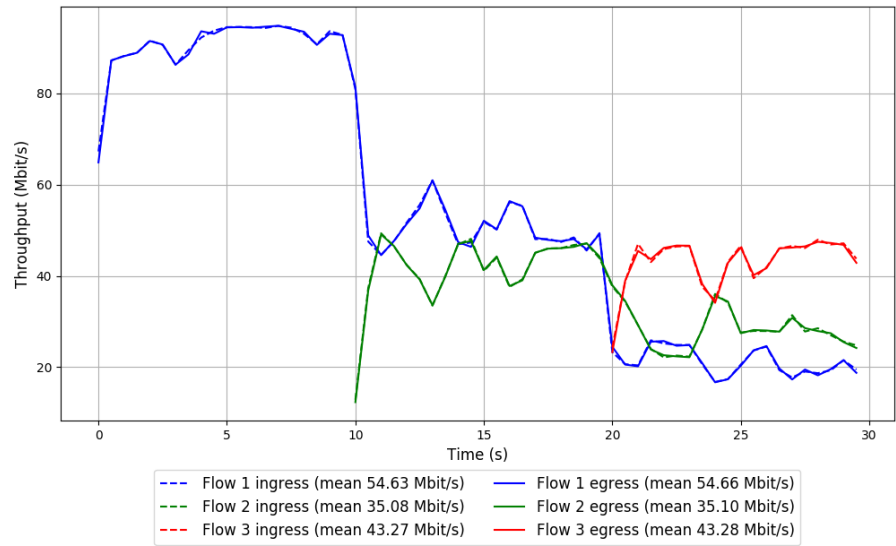


Run 10: Statistics of Copa

Start at: 2018-02-16 14:21:45
End at: 2018-02-16 14:22:15
Local clock offset: -3.219 ms
Remote clock offset: 29.596 ms

Below is generated by plot.py at 2018-02-16 18:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 20.500 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.66 Mbit/s
95th percentile per-packet one-way delay: 19.878 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 21.844 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.30%

Run 10: Report of Copa — Data Link

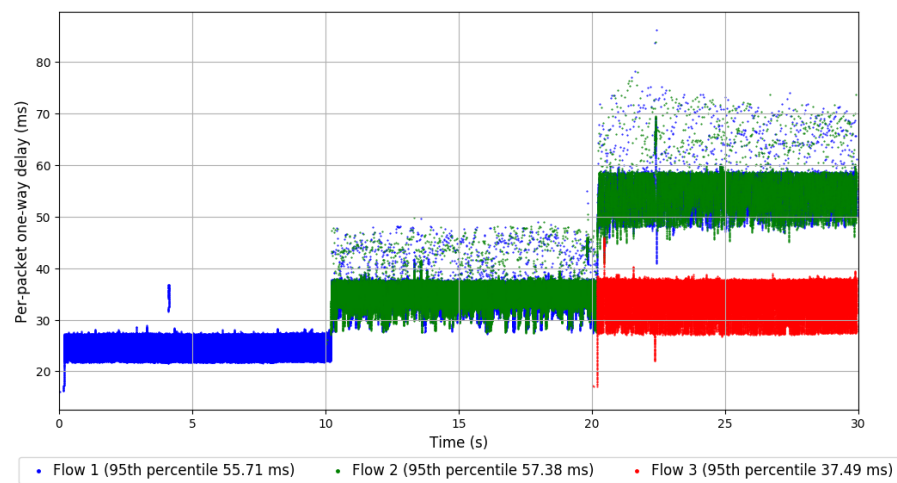
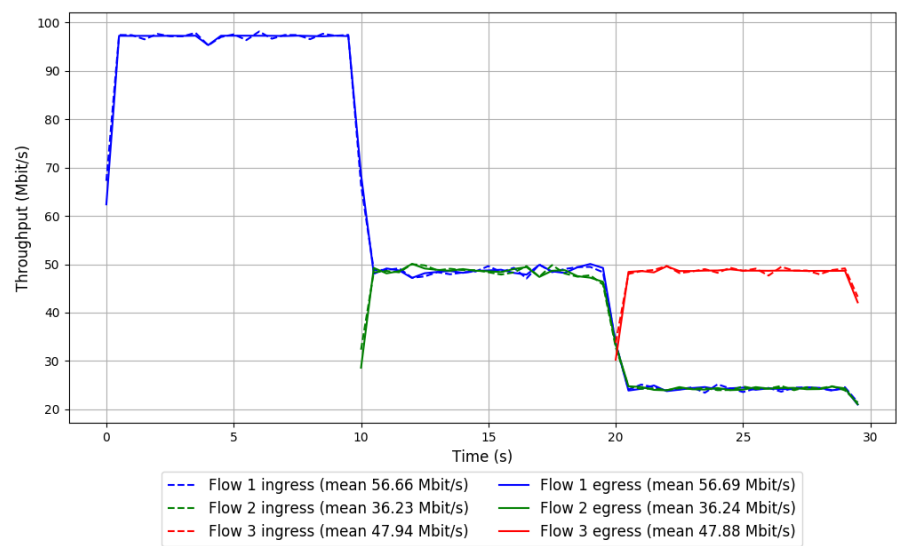


Run 1: Statistics of FillP

Start at: 2018-02-16 10:53:33
End at: 2018-02-16 10:54:03
Local clock offset: -5.516 ms
Remote clock offset: -4.581 ms

Below is generated by plot.py at 2018-02-16 18:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 56.089 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 55.711 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 57.383 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 37.488 ms
Loss rate: 0.49%

Run 1: Report of FillP — Data Link

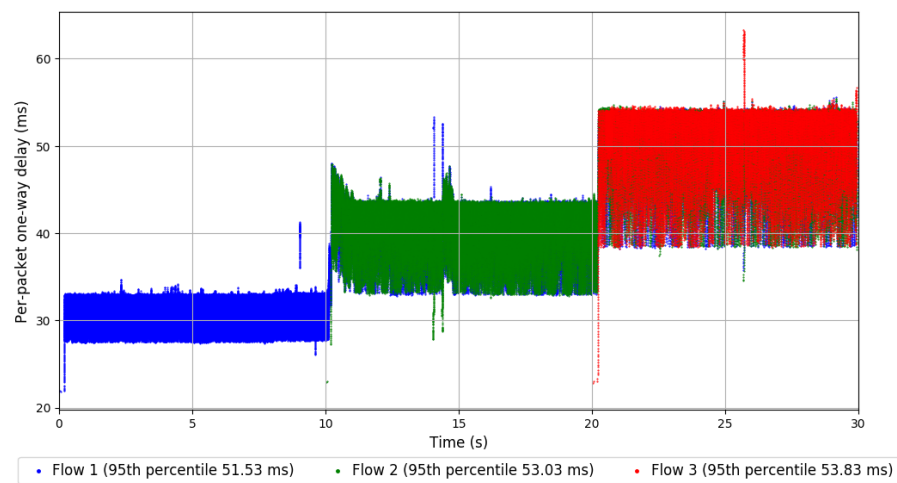
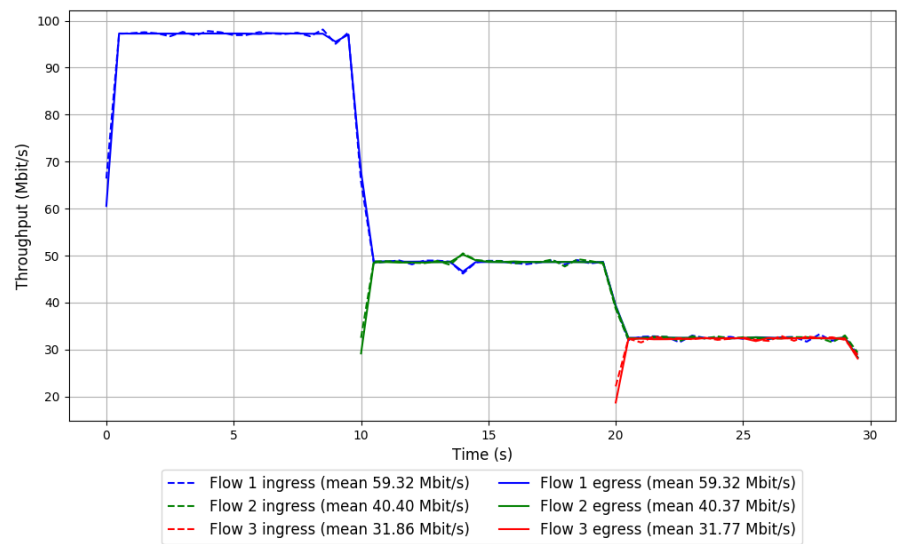


Run 2: Statistics of FillP

Start at: 2018-02-16 11:17:32
End at: 2018-02-16 11:18:02
Local clock offset: -9.807 ms
Remote clock offset: -4.189 ms

Below is generated by plot.py at 2018-02-16 18:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 52.842 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 53.031 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 53.827 ms
Loss rate: 0.62%

Run 2: Report of FillP — Data Link

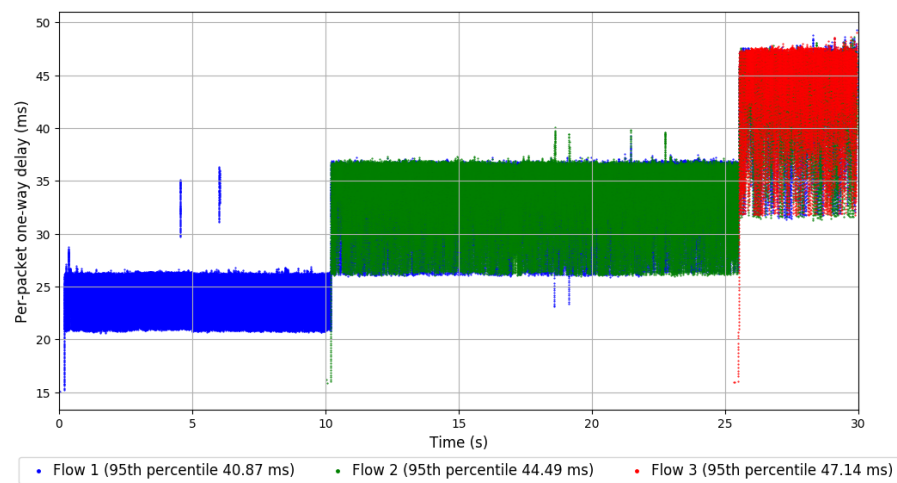
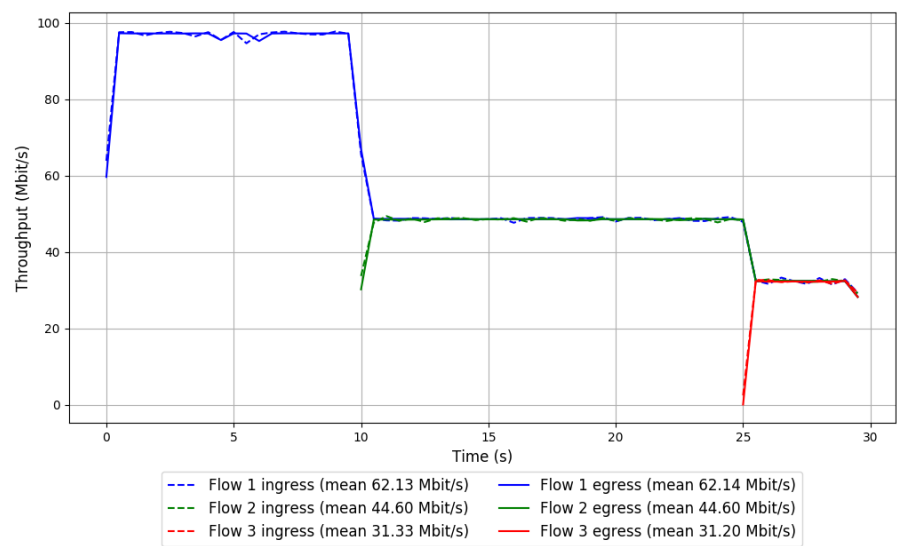


Run 3: Statistics of FillP

Start at: 2018-02-16 11:41:17
End at: 2018-02-16 11:41:47
Local clock offset: -2.491 ms
Remote clock offset: -2.192 ms

Below is generated by plot.py at 2018-02-16 18:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 44.504 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 40.870 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 44.490 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 47.138 ms
Loss rate: 1.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 12:04:51

End at: 2018-02-16 12:05:21

Local clock offset: -5.745 ms

Remote clock offset: 1.555 ms

Below is generated by plot.py at 2018-02-16 18:45:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 54.687 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 54.129 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 36.191 ms

Loss rate: 0.22%

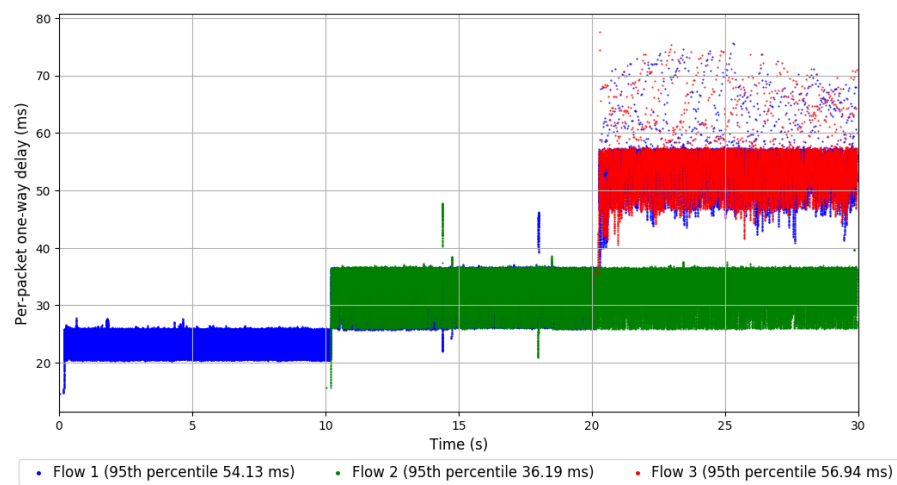
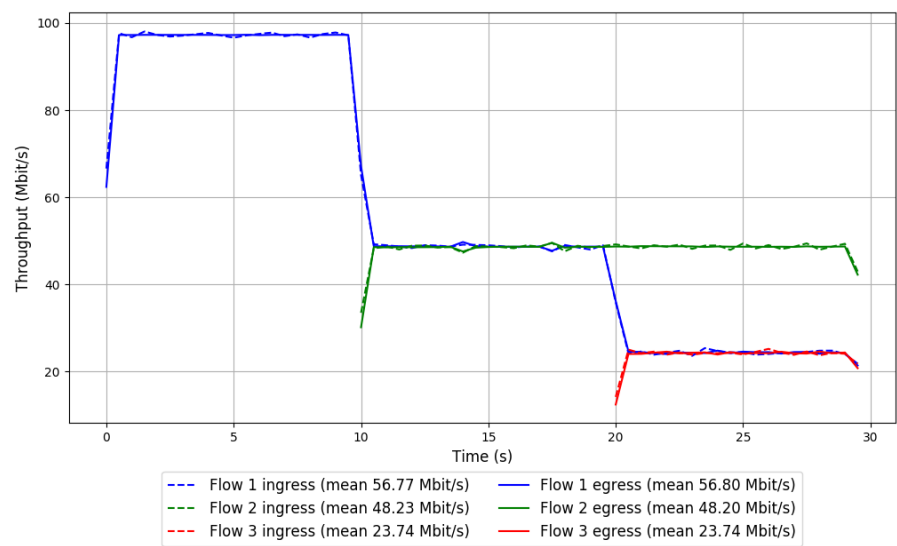
-- Flow 3:

Average throughput: 23.74 Mbit/s

95th percentile per-packet one-way delay: 56.944 ms

Loss rate: 0.67%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-16 12:28:23

End at: 2018-02-16 12:28:53

Local clock offset: -7.311 ms

Remote clock offset: 5.293 ms

Below is generated by plot.py at 2018-02-16 18:45:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 55.693 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 55.307 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 37.122 ms

Loss rate: 0.21%

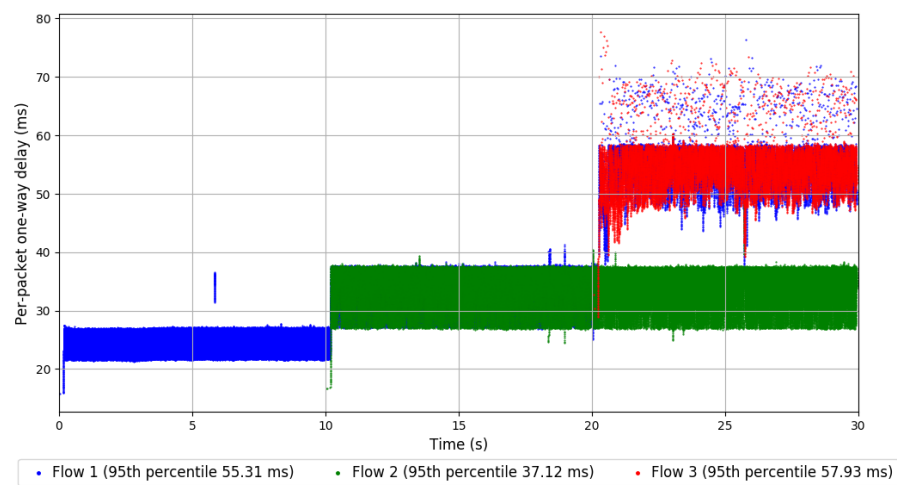
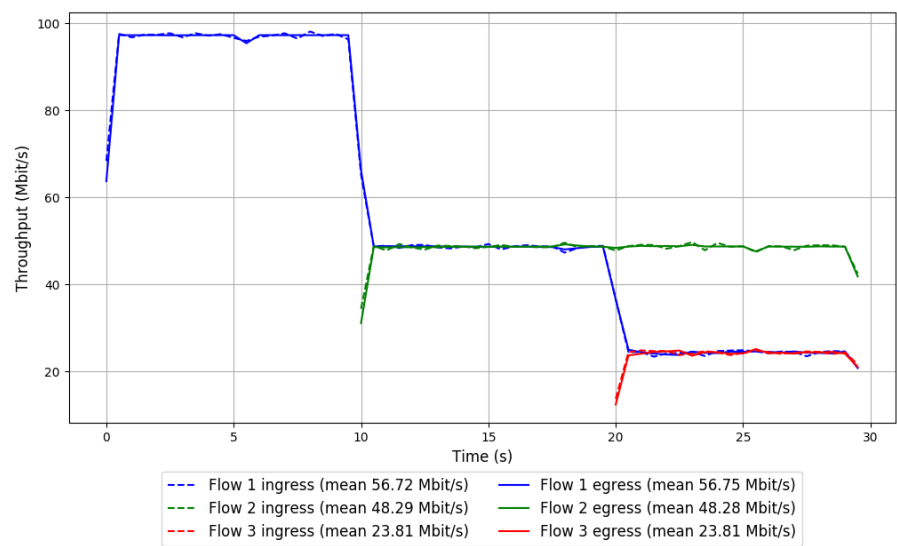
-- Flow 3:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 57.931 ms

Loss rate: 0.66%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-16 12:51:33

End at: 2018-02-16 12:52:03

Local clock offset: 2.144 ms

Remote clock offset: 6.246 ms

Below is generated by plot.py at 2018-02-16 18:46:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 53.584 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.33 Mbit/s

95th percentile per-packet one-way delay: 52.322 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 53.836 ms

Loss rate: 0.23%

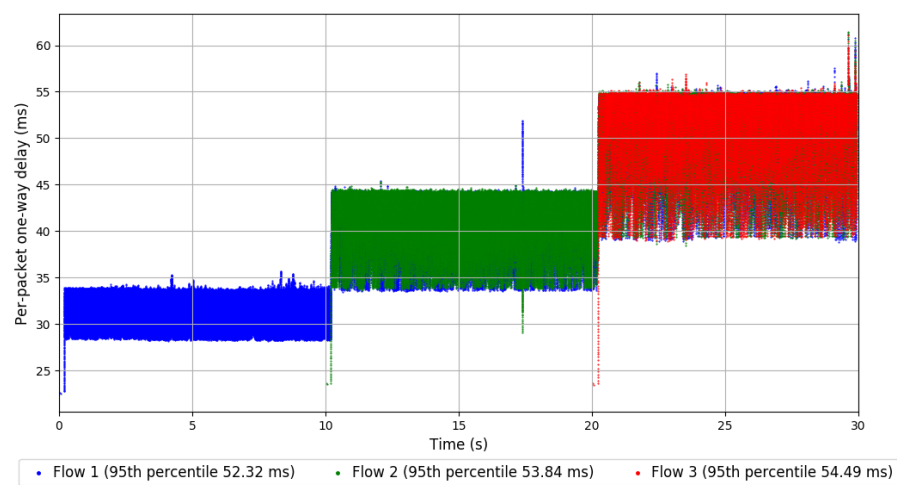
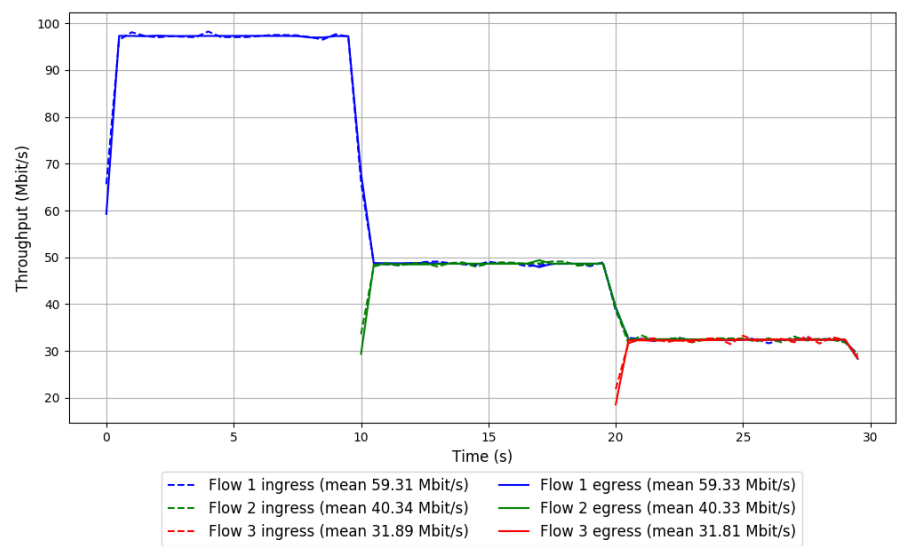
-- Flow 3:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 54.486 ms

Loss rate: 0.56%

Run 6: Report of FillP — Data Link

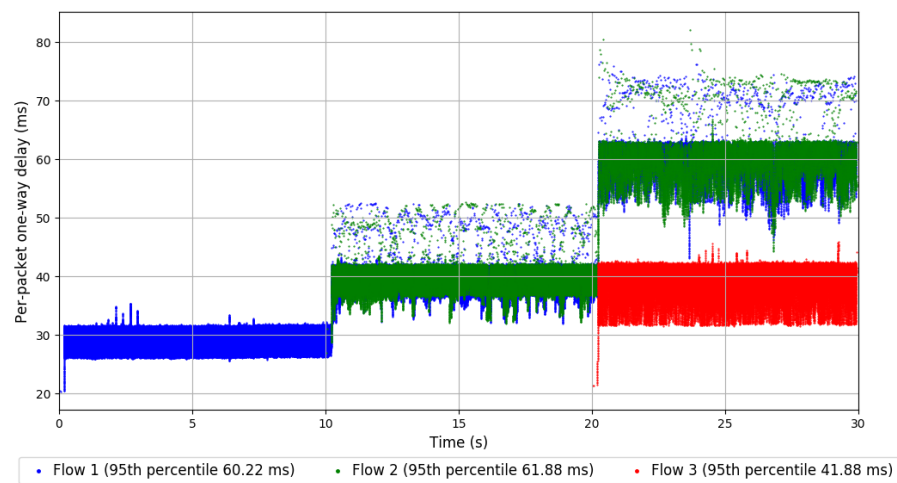
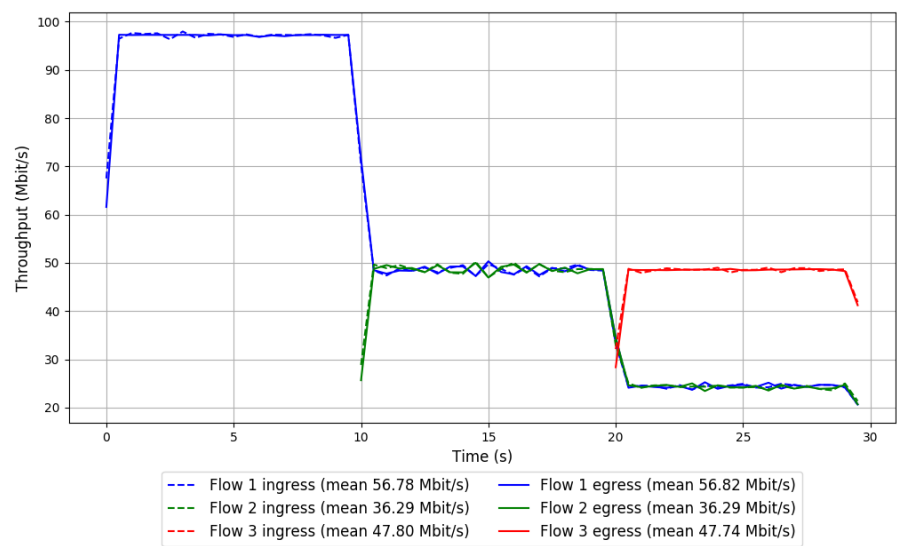


Run 7: Statistics of FillP

Start at: 2018-02-16 13:15:24
End at: 2018-02-16 13:15:54
Local clock offset: -2.863 ms
Remote clock offset: 18.348 ms

Below is generated by plot.py at 2018-02-16 18:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 60.683 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 60.222 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 61.877 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 41.884 ms
Loss rate: 0.49%

Run 7: Report of FillP — Data Link

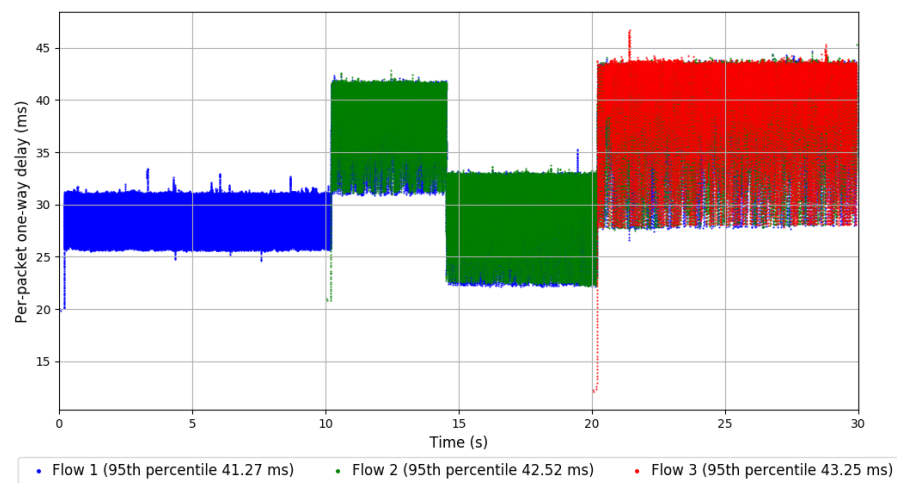
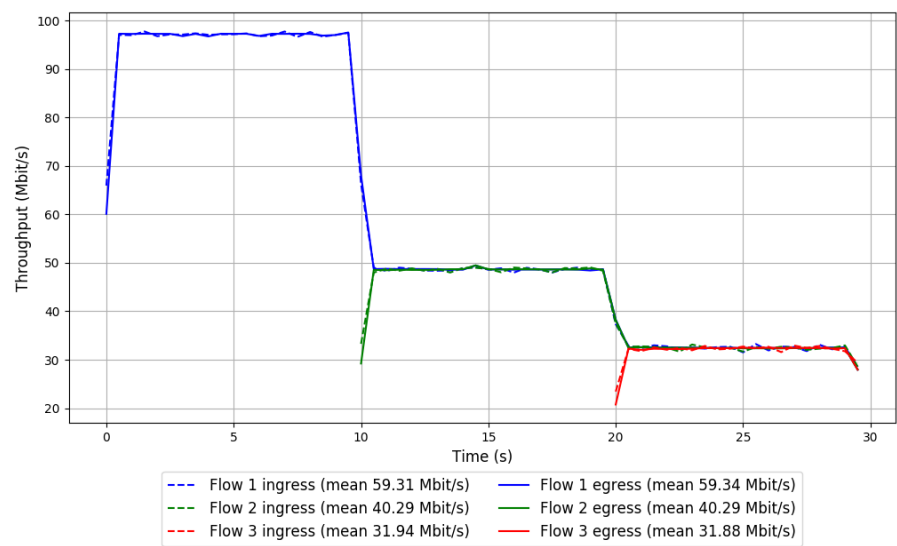


Run 8: Statistics of FillP

Start at: 2018-02-16 13:40:20
End at: 2018-02-16 13:40:50
Local clock offset: -5.431 ms
Remote clock offset: 22.659 ms

Below is generated by plot.py at 2018-02-16 18:46:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 42.293 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 41.266 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 42.515 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 43.247 ms
Loss rate: 0.56%

Run 8: Report of FillP — Data Link

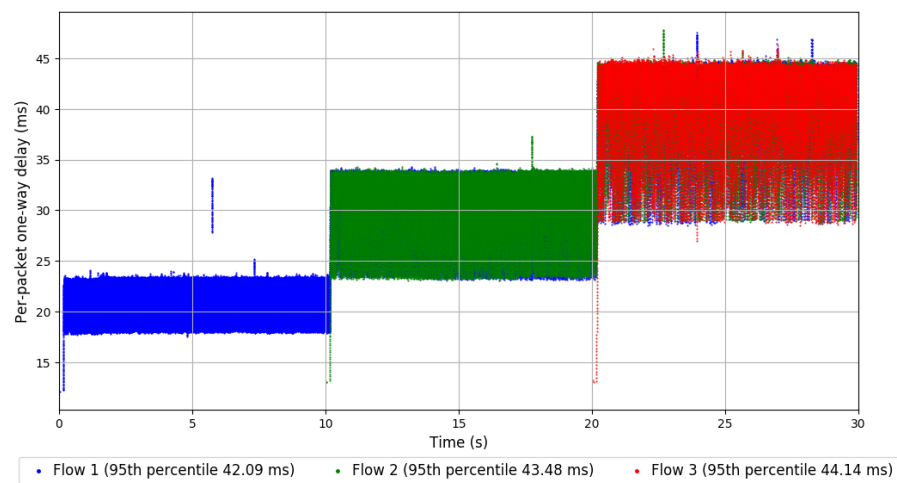
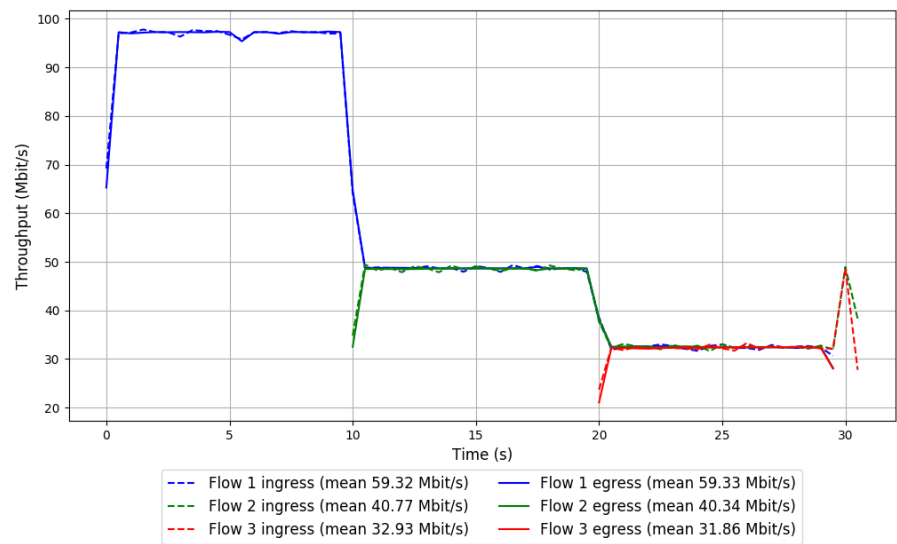


Run 9: Statistics of FillP

Start at: 2018-02-16 14:03:23
End at: 2018-02-16 14:03:53
Local clock offset: -3.405 ms
Remote clock offset: 26.813 ms

Below is generated by plot.py at 2018-02-16 18:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 43.257 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 42.093 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 43.478 ms
Loss rate: 5.52%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 44.139 ms
Loss rate: 11.64%

Run 9: Report of FillP — Data Link

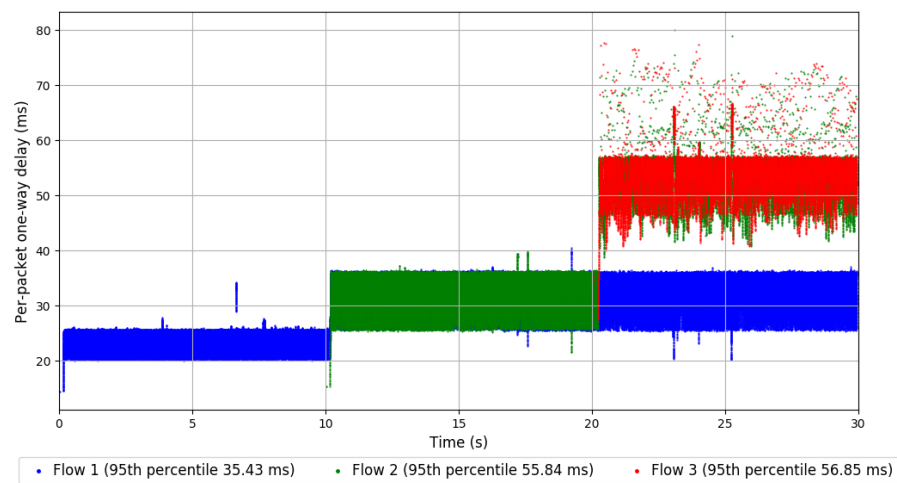
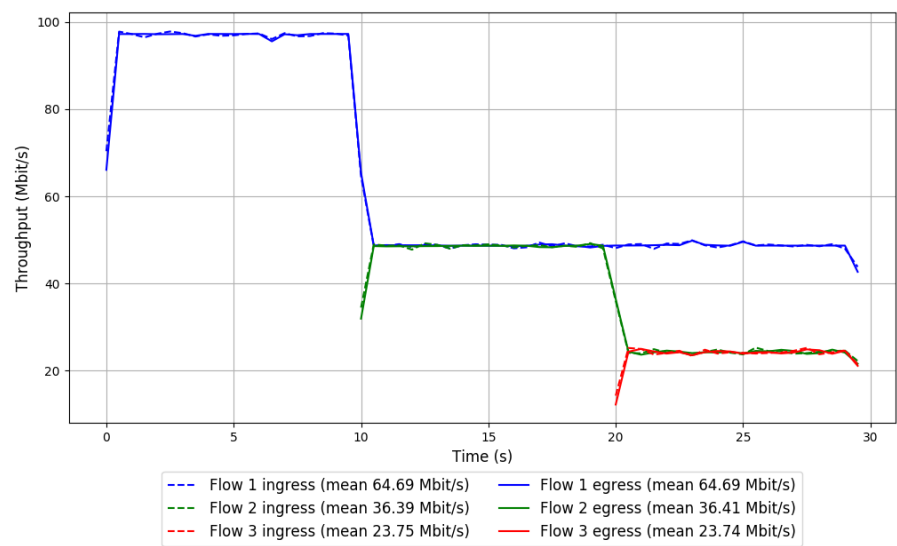


Run 10: Statistics of FillP

Start at: 2018-02-16 14:26:53
End at: 2018-02-16 14:27:23
Local clock offset: -2.854 ms
Remote clock offset: 30.073 ms

Below is generated by plot.py at 2018-02-16 18:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 54.688 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 35.432 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 55.844 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 56.847 ms
Loss rate: 0.60%

Run 10: Report of FillP — Data Link

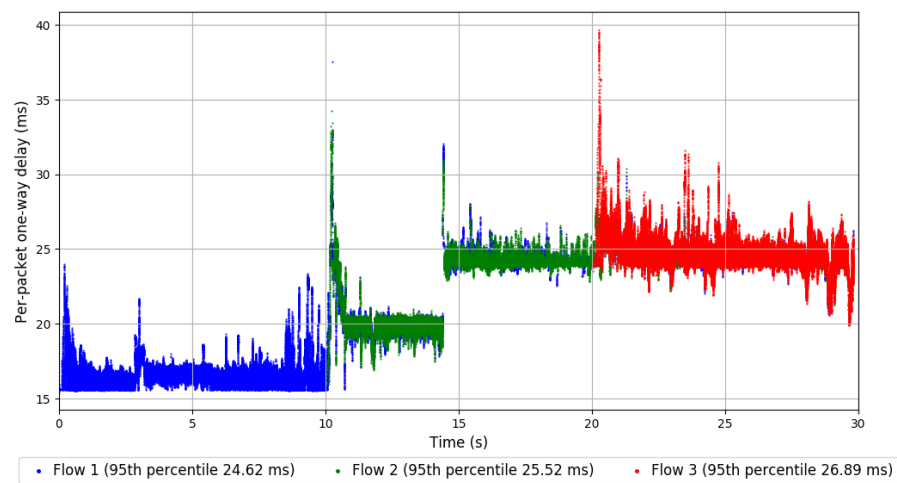
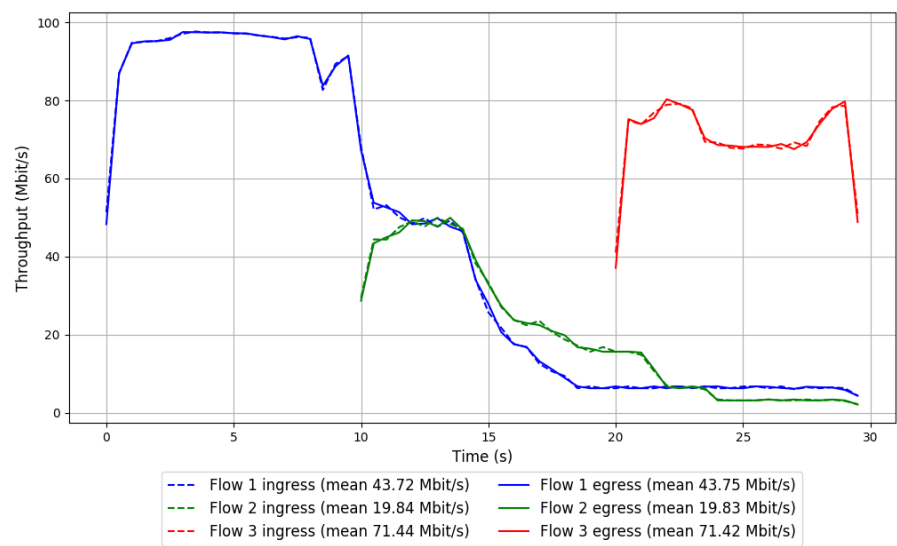


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 10:41:43
End at: 2018-02-16 10:42:13
Local clock offset: -4.497 ms
Remote clock offset: -3.778 ms

Below is generated by plot.py at 2018-02-16 18:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 26.019 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 24.616 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 25.522 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 26.893 ms
Loss rate: 0.39%

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

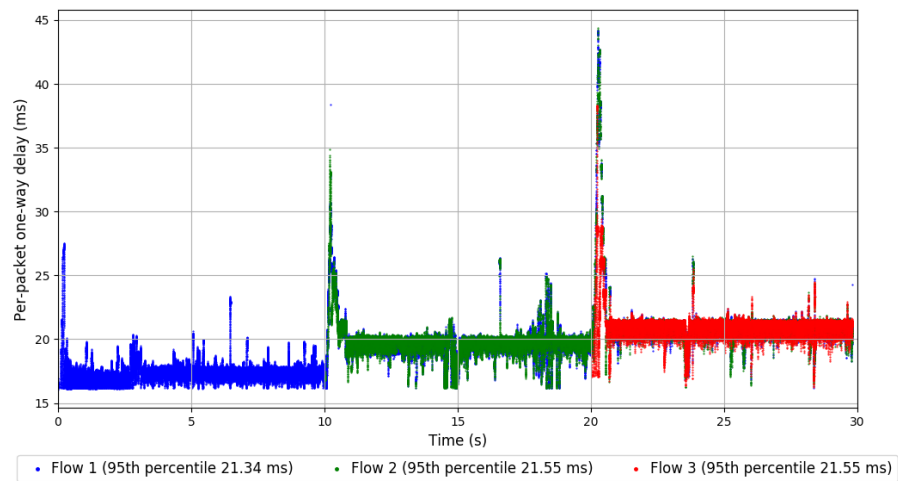
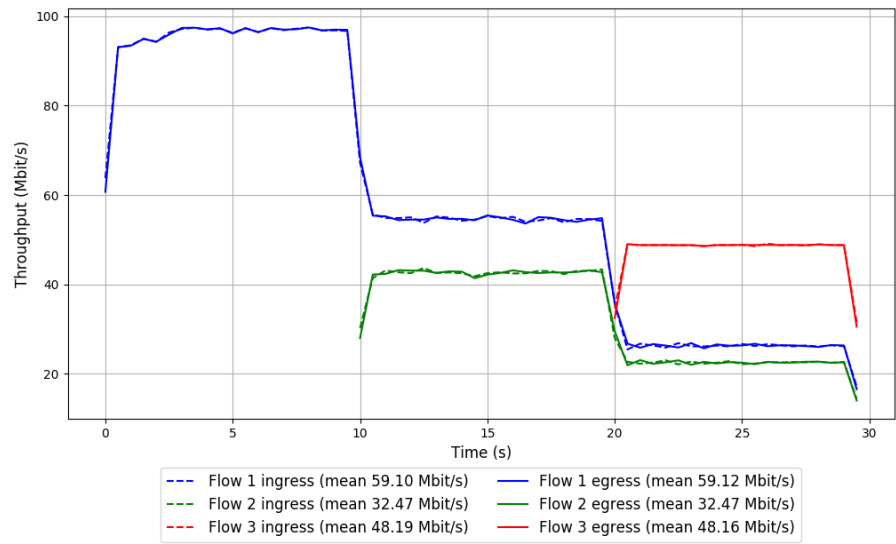


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 11:05:36
End at: 2018-02-16 11:06:06
Local clock offset: -8.169 ms
Remote clock offset: -5.199 ms

Below is generated by plot.py at 2018-02-16 18:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 21.426 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 21.342 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 21.555 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 21.546 ms
Loss rate: 0.33%

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

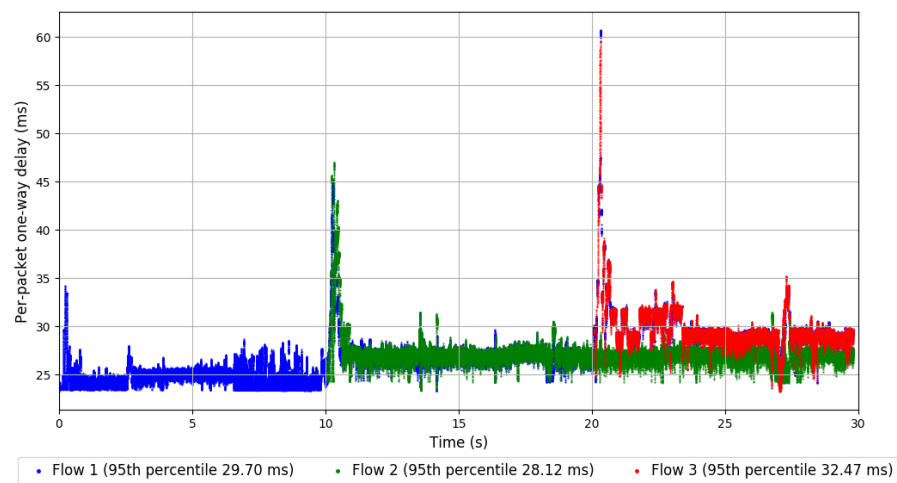
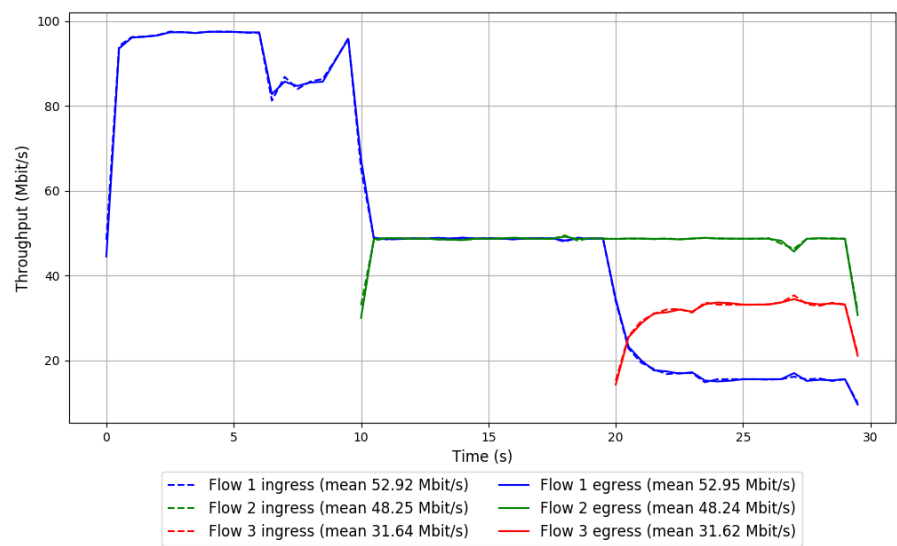


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 11:29:24
End at: 2018-02-16 11:29:54
Local clock offset: -4.771 ms
Remote clock offset: -3.266 ms

Below is generated by plot.py at 2018-02-16 18:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 30.780 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 29.695 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 28.117 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 0.42%

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

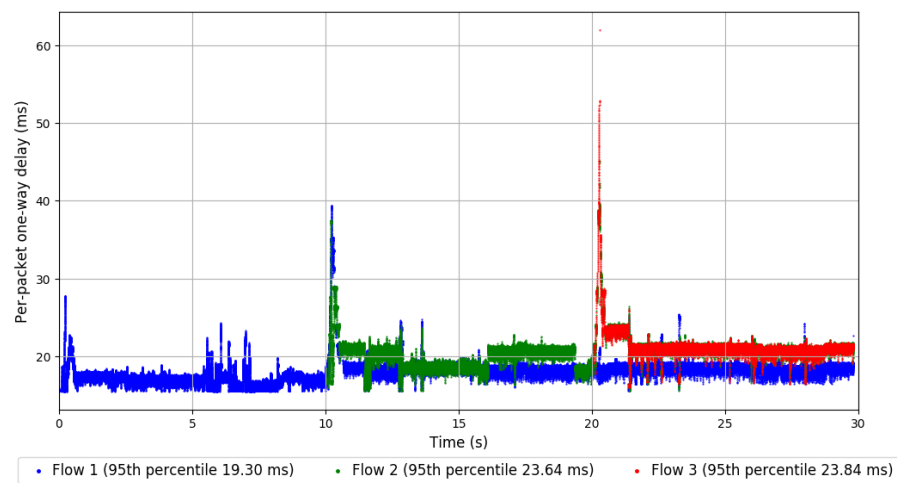
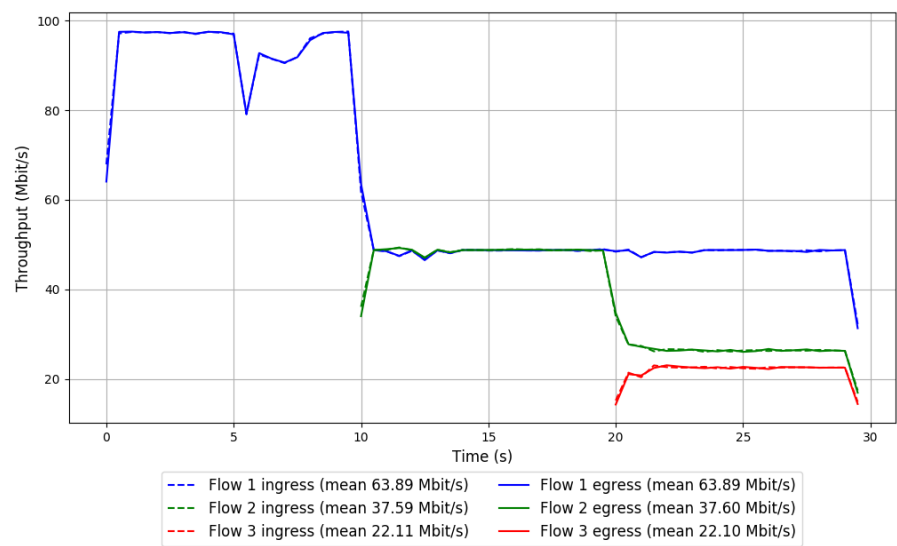


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 11:53:11
End at: 2018-02-16 11:53:41
Local clock offset: -1.996 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2018-02-16 18:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 21.587 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 23.638 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 0.33%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 12:16:52

End at: 2018-02-16 12:17:22

Local clock offset: -9.919 ms

Remote clock offset: 2.748 ms

Below is generated by plot.py at 2018-02-16 18:47:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 21.542 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 64.71 Mbit/s

95th percentile per-packet one-way delay: 18.950 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 21.700 ms

Loss rate: 0.11%

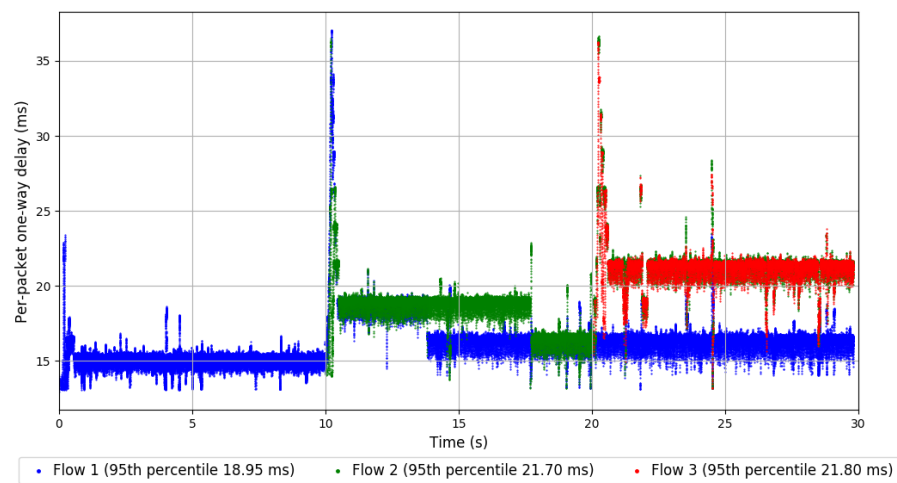
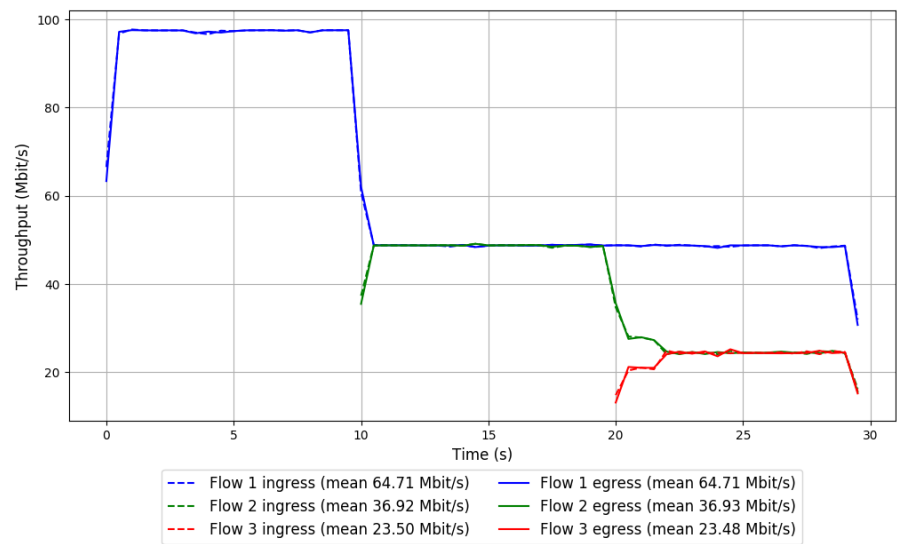
-- Flow 3:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 21.797 ms

Loss rate: 0.37%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 12:40:01

End at: 2018-02-16 12:40:31

Local clock offset: -5.404 ms

Remote clock offset: 5.14 ms

Below is generated by plot.py at 2018-02-16 18:48:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 21.200 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.83 Mbit/s

95th percentile per-packet one-way delay: 21.180 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 48.47 Mbit/s

95th percentile per-packet one-way delay: 18.862 ms

Loss rate: 0.15%

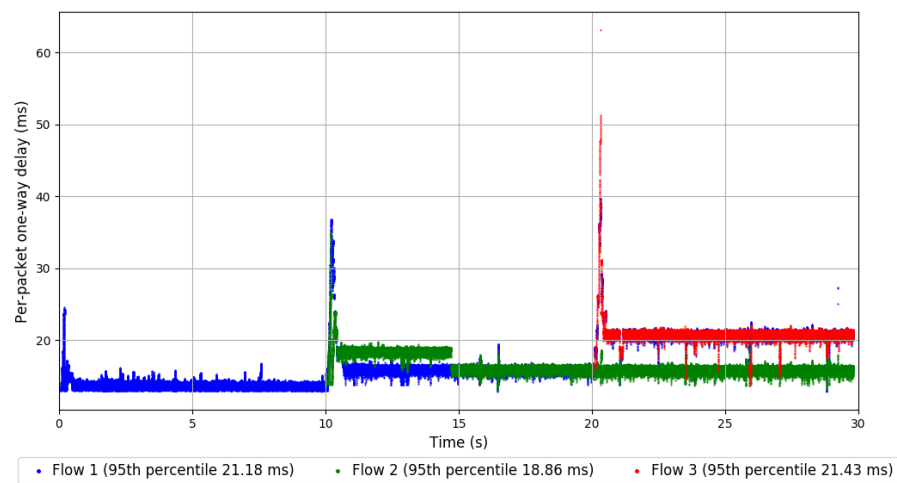
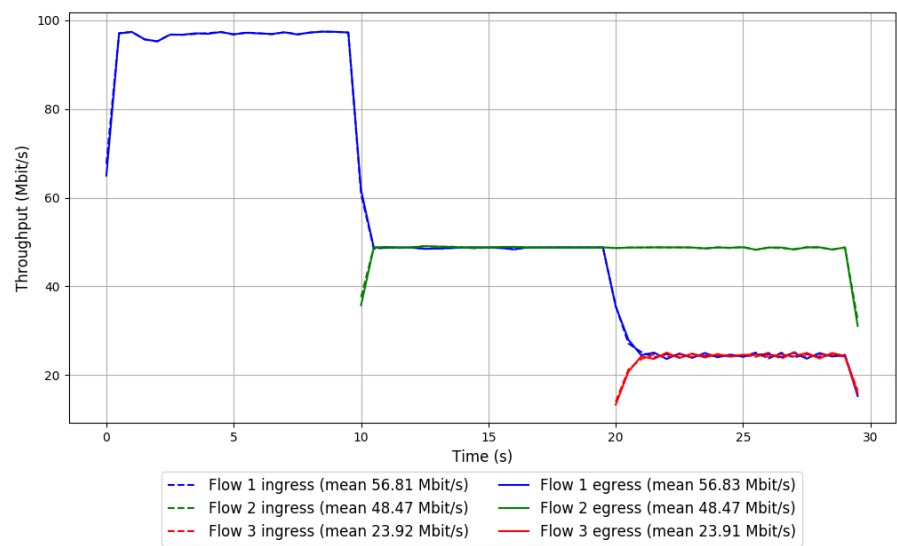
-- Flow 3:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 21.432 ms

Loss rate: 0.36%

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

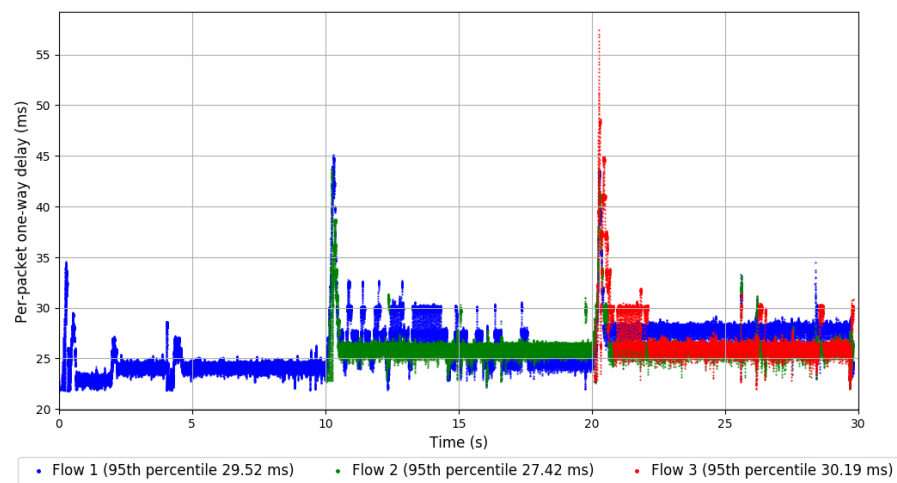
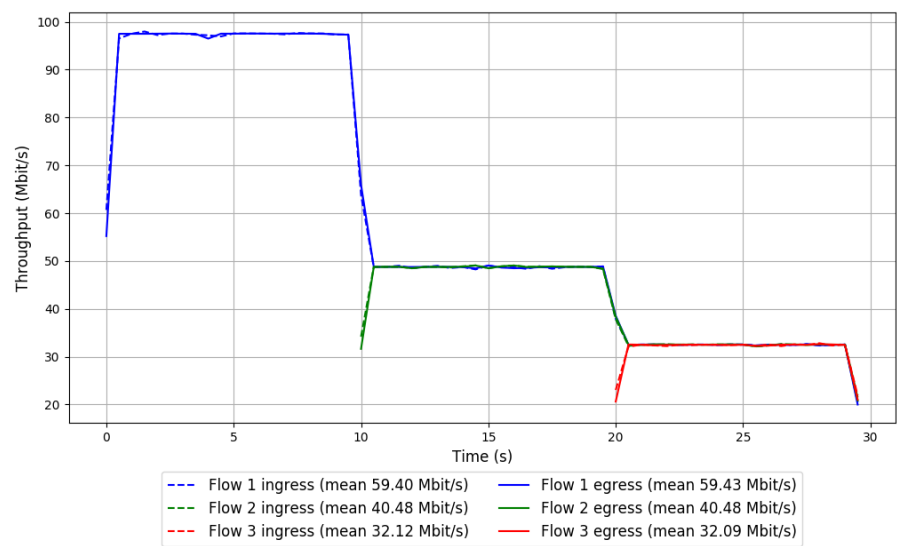


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 13:03:14
End at: 2018-02-16 13:03:44
Local clock offset: 3.942 ms
Remote clock offset: 15.214 ms

Below is generated by plot.py at 2018-02-16 18:48:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 29.824 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 29.523 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 27.419 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 30.189 ms
Loss rate: 0.41%

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

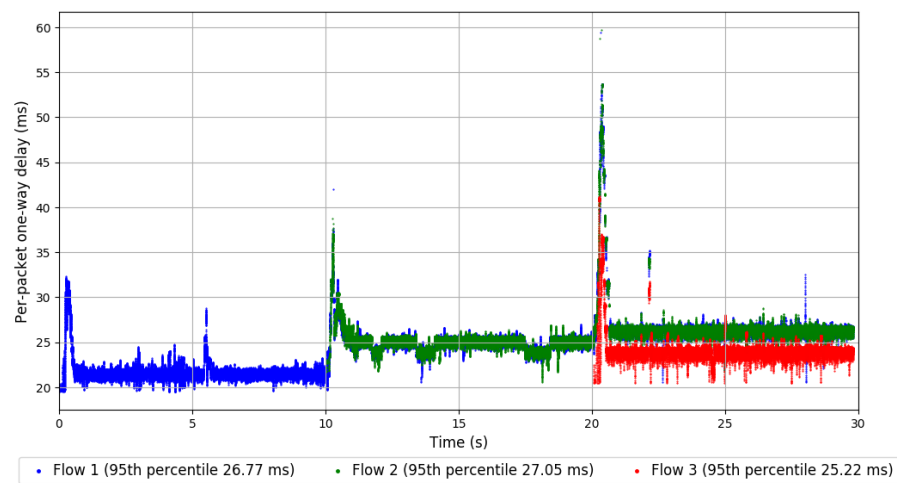
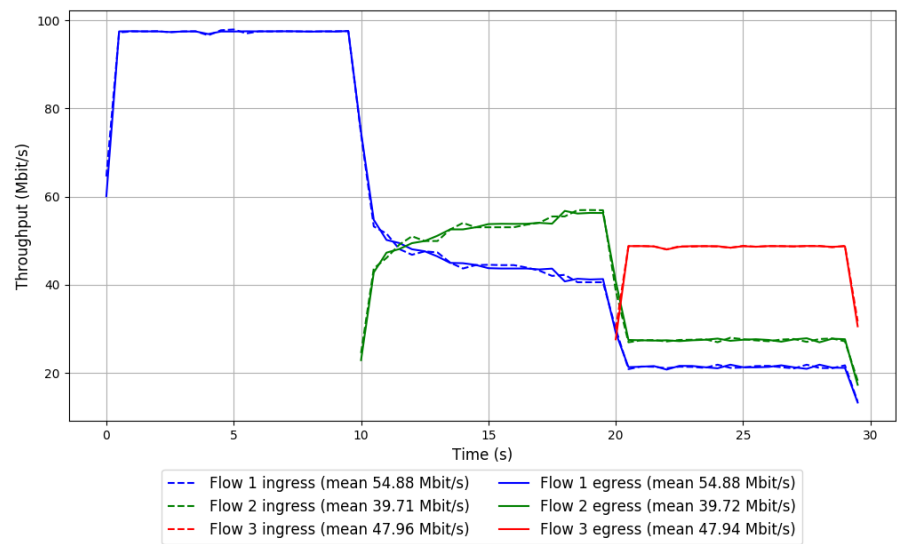


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 13:27:59
End at: 2018-02-16 13:28:29
Local clock offset: -4.803 ms
Remote clock offset: 22.226 ms

Below is generated by plot.py at 2018-02-16 18:48:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 26.785 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 26.768 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 27.049 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 25.222 ms
Loss rate: 0.38%

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

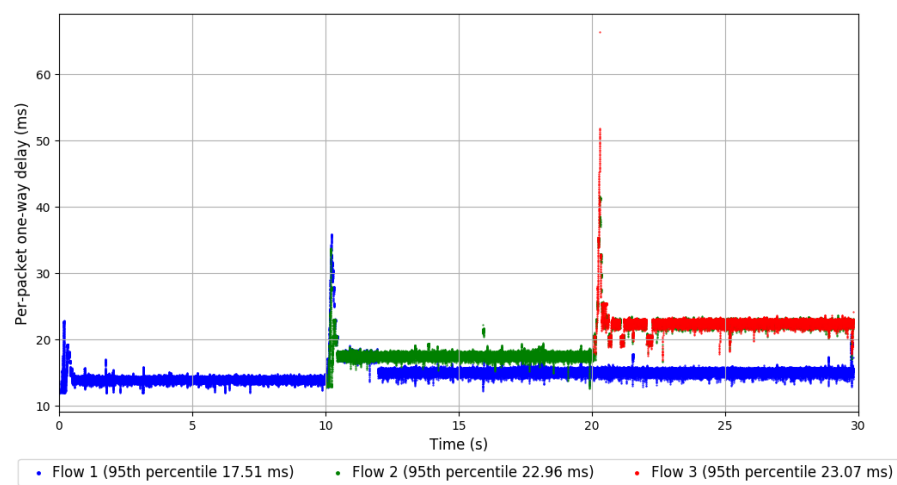
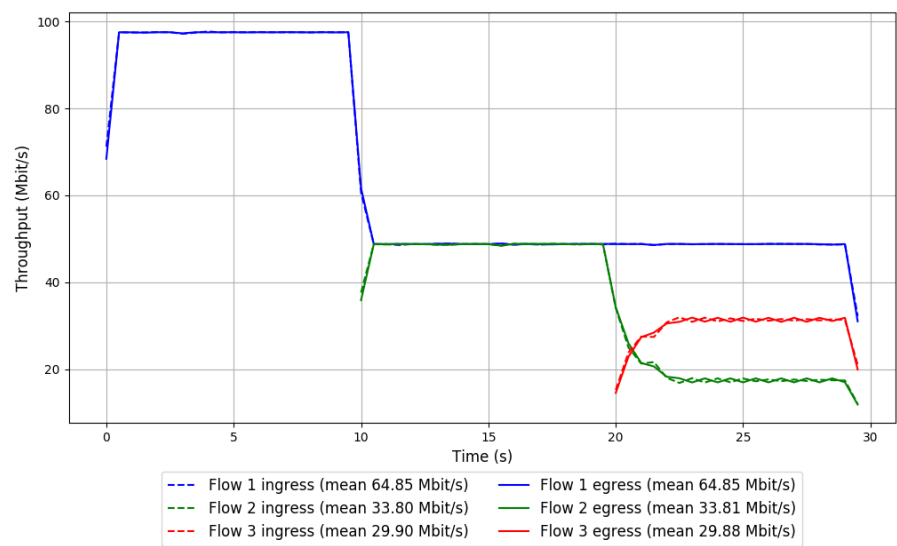


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 13:51:36
End at: 2018-02-16 13:52:06
Local clock offset: -3.688 ms
Remote clock offset: 24.914 ms

Below is generated by plot.py at 2018-02-16 18:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 22.905 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 17.512 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 22.959 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 23.068 ms
Loss rate: 0.37%

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

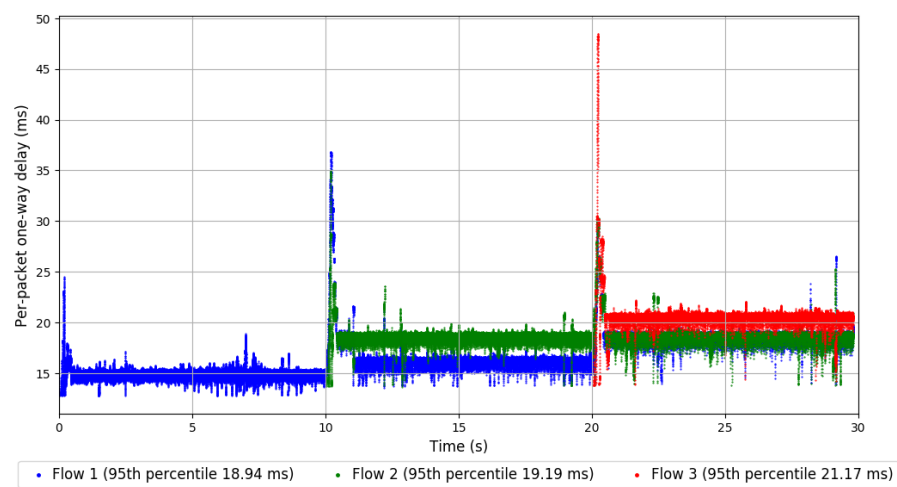
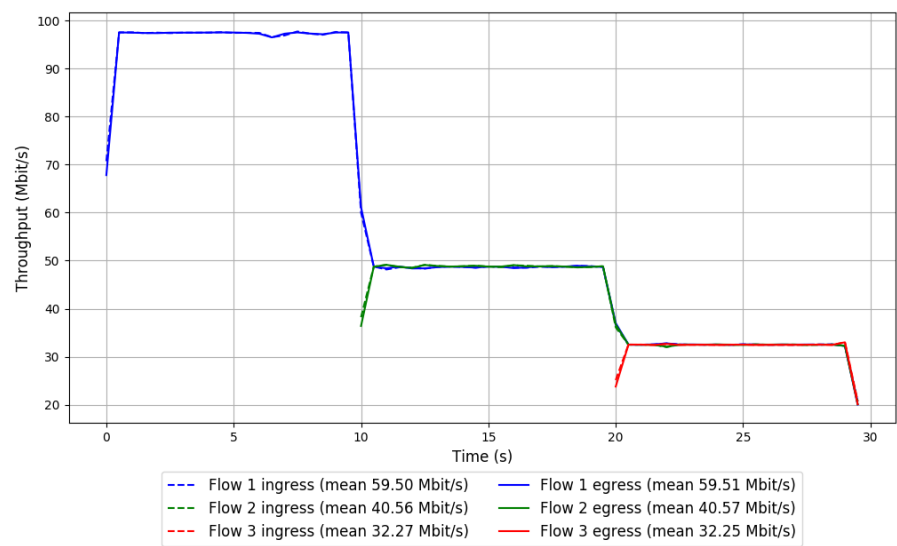


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 14:15:16
End at: 2018-02-16 14:15:46
Local clock offset: -3.411 ms
Remote clock offset: 28.223 ms

Below is generated by plot.py at 2018-02-16 18:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 20.763 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 21.172 ms
Loss rate: 0.32%

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

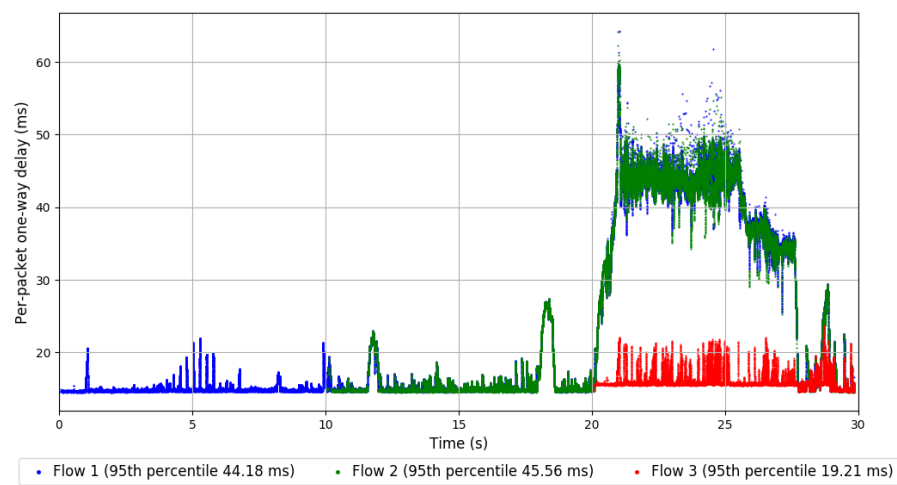
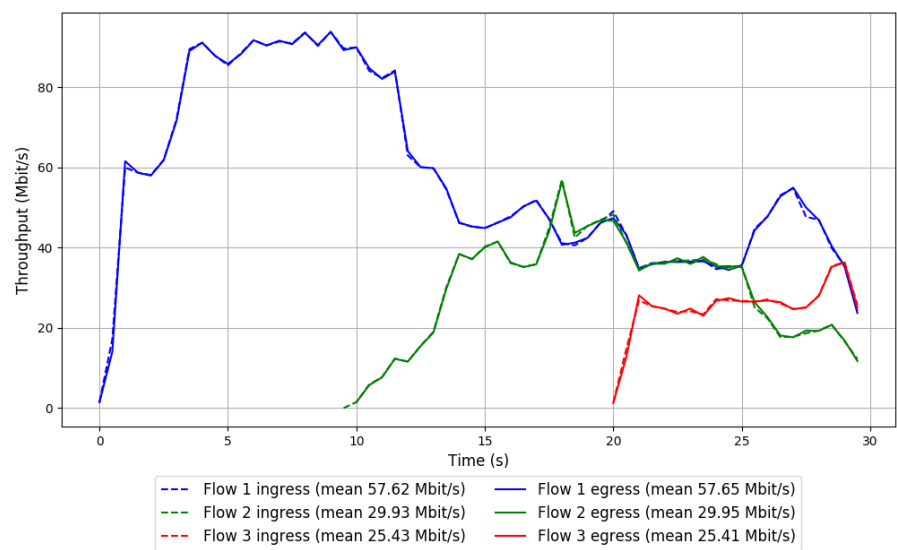


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 10:44:11
End at: 2018-02-16 10:44:41
Local clock offset: -6.04 ms
Remote clock offset: -4.485 ms

Below is generated by plot.py at 2018-02-16 18:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 44.573 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 44.178 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 45.563 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.39%

Run 1: Report of Vivace-latency — Data Link

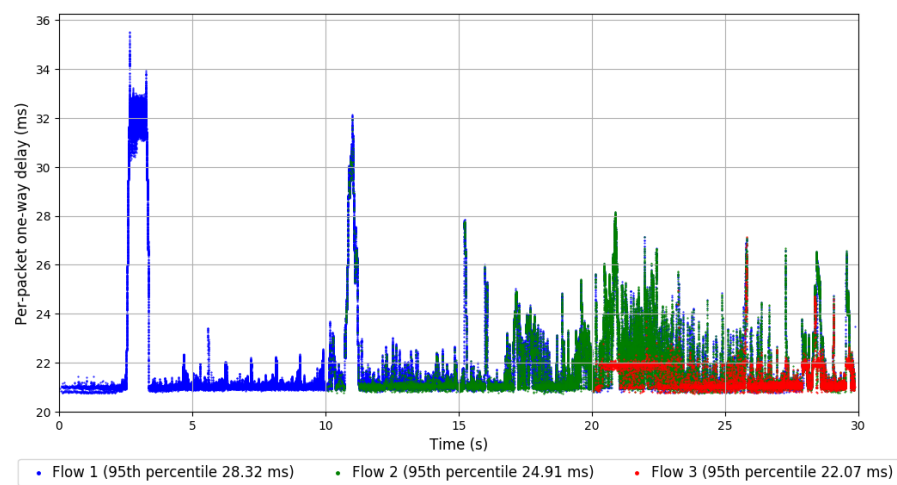
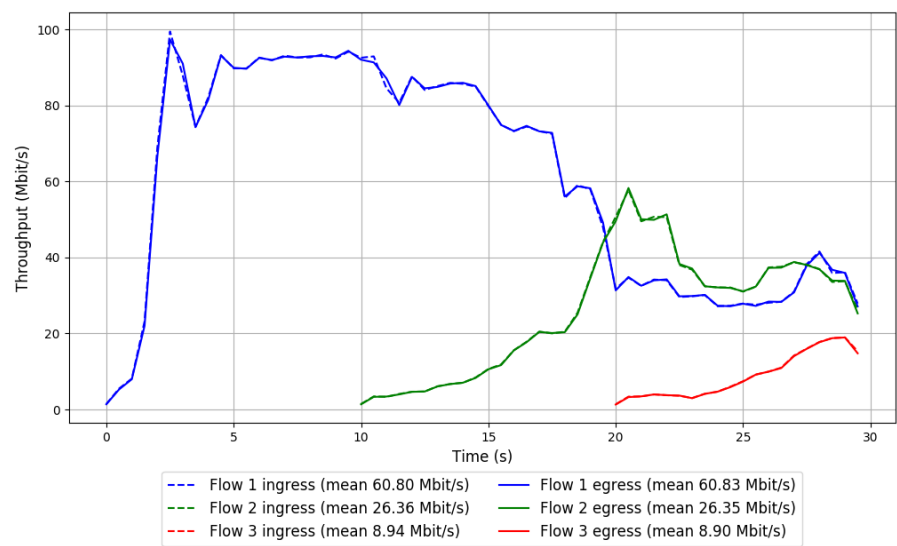


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 11:08:09
End at: 2018-02-16 11:08:39
Local clock offset: -9.776 ms
Remote clock offset: -5.847 ms

Below is generated by plot.py at 2018-02-16 18:48:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.26 Mbit/s
95th percentile per-packet one-way delay: 26.173 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 28.322 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 24.912 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 22.073 ms
Loss rate: 0.77%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 11:31:50

End at: 2018-02-16 11:32:21

Local clock offset: -6.656 ms

Remote clock offset: -3.1 ms

Below is generated by plot.py at 2018-02-16 18:49:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 48.356 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 61.06 Mbit/s

95th percentile per-packet one-way delay: 48.508 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 49.599 ms

Loss rate: 0.17%

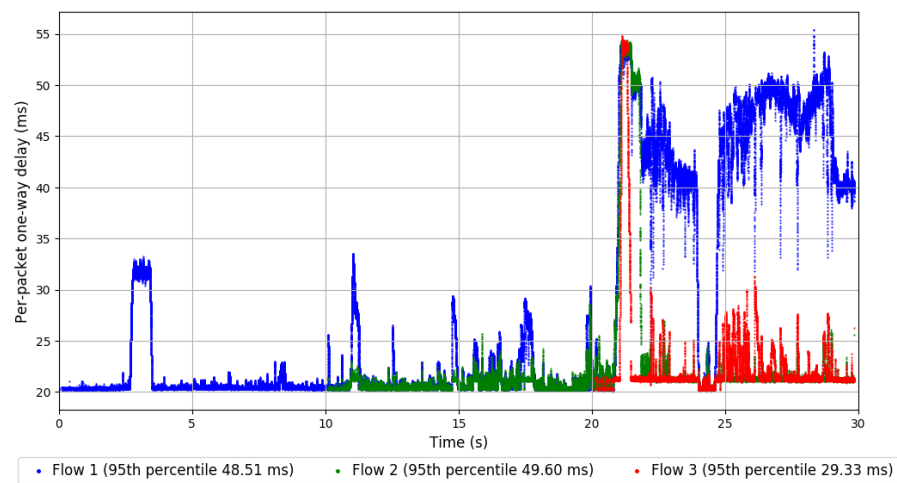
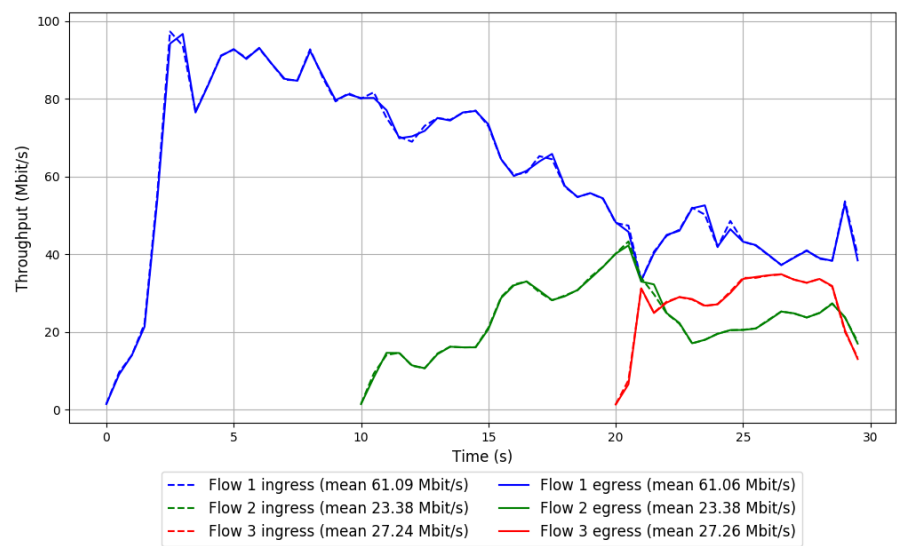
-- Flow 3:

Average throughput: 27.26 Mbit/s

95th percentile per-packet one-way delay: 29.329 ms

Loss rate: 0.21%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 11:55:40

End at: 2018-02-16 11:56:10

Local clock offset: -0.063 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2018-02-16 18:49:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 46.456 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 55.21 Mbit/s

95th percentile per-packet one-way delay: 33.547 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 52.542 ms

Loss rate: 0.20%

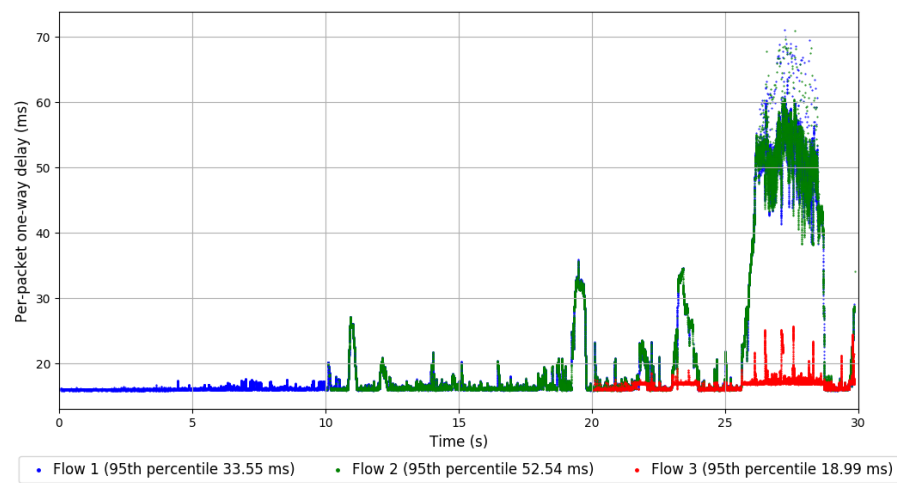
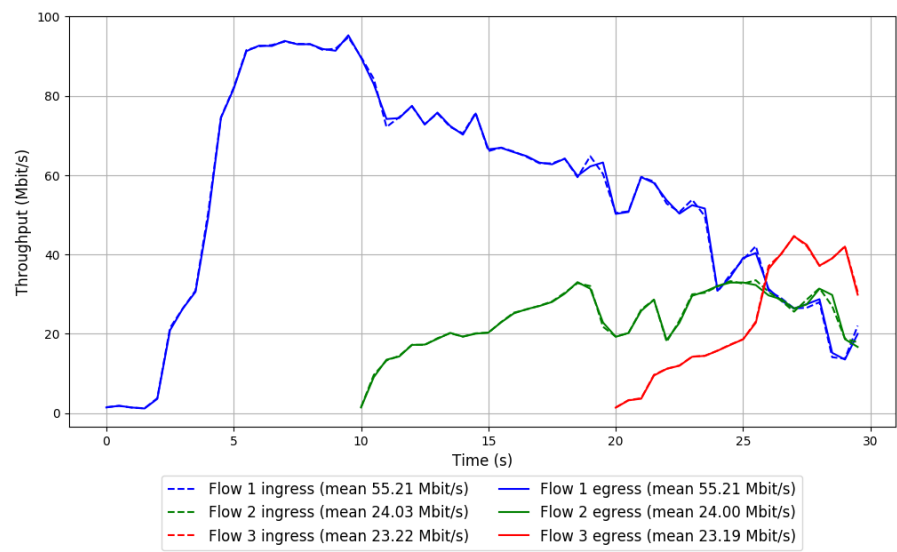
-- Flow 3:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 18.992 ms

Loss rate: 0.46%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 12:19:20

End at: 2018-02-16 12:19:50

Local clock offset: -7.383 ms

Remote clock offset: 3.563 ms

Below is generated by plot.py at 2018-02-16 18:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 22.692 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 21.804 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 22.898 ms

Loss rate: 0.18%

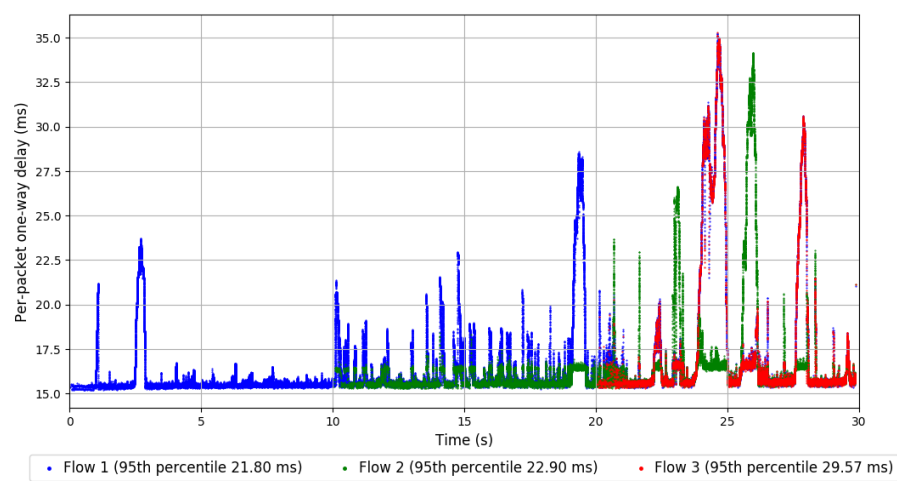
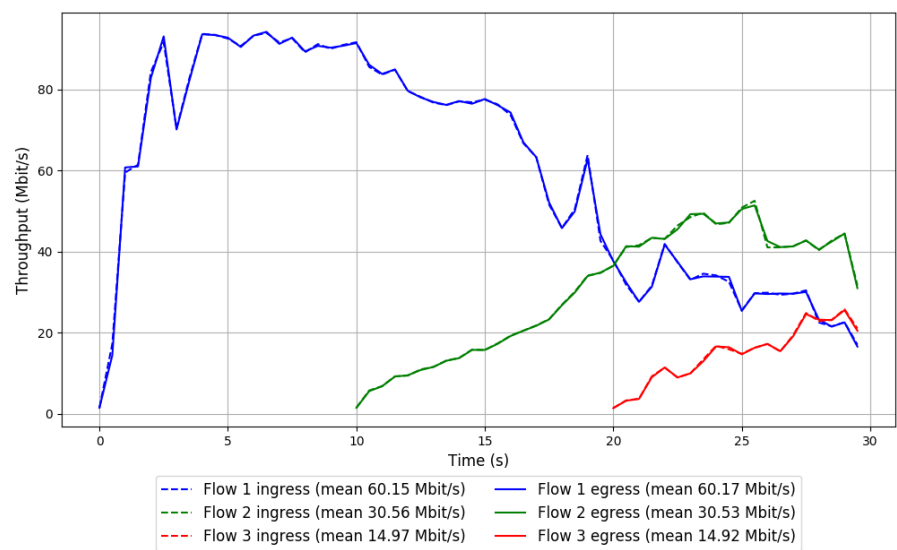
-- Flow 3:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 29.572 ms

Loss rate: 0.52%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 12:42:25

End at: 2018-02-16 12:42:55

Local clock offset: -4.087 ms

Remote clock offset: 5.272 ms

Below is generated by plot.py at 2018-02-16 18:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 32.660 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 22.432 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 41.319 ms

Loss rate: 0.09%

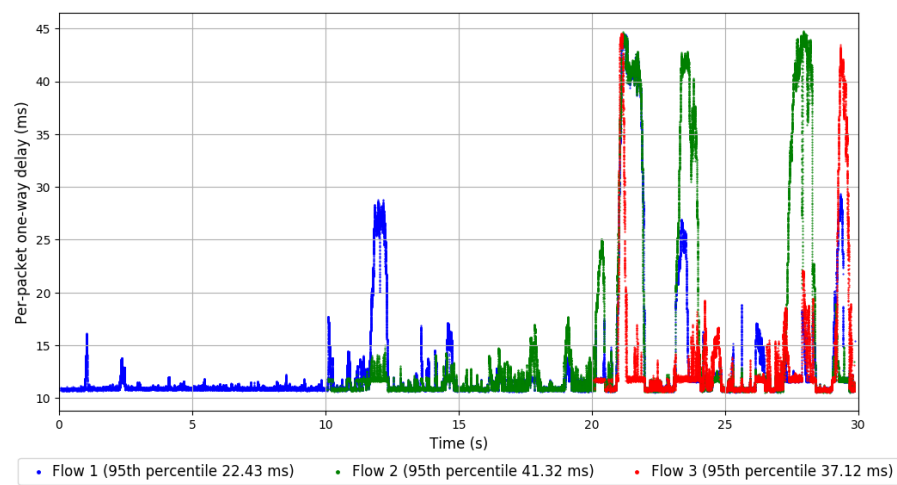
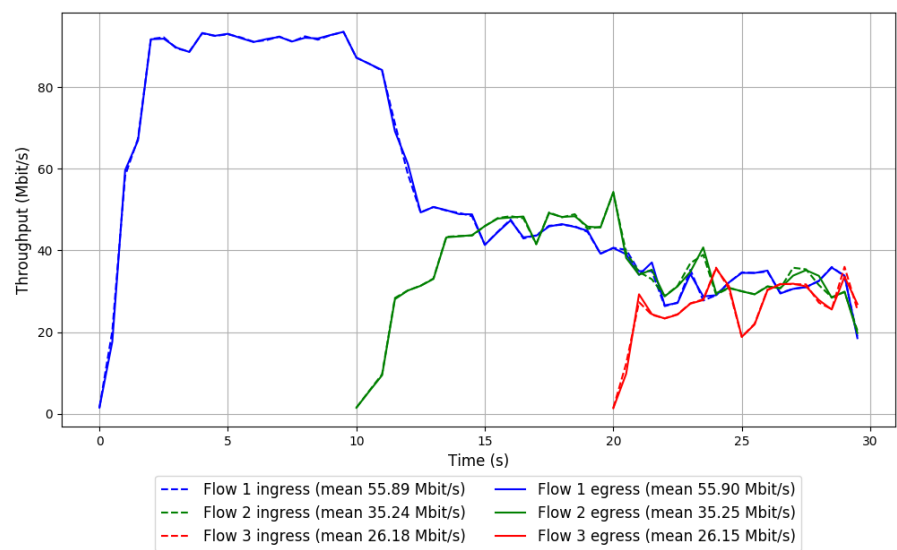
-- Flow 3:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 37.123 ms

Loss rate: 0.32%

Run 6: Report of Vivace-latency — Data Link

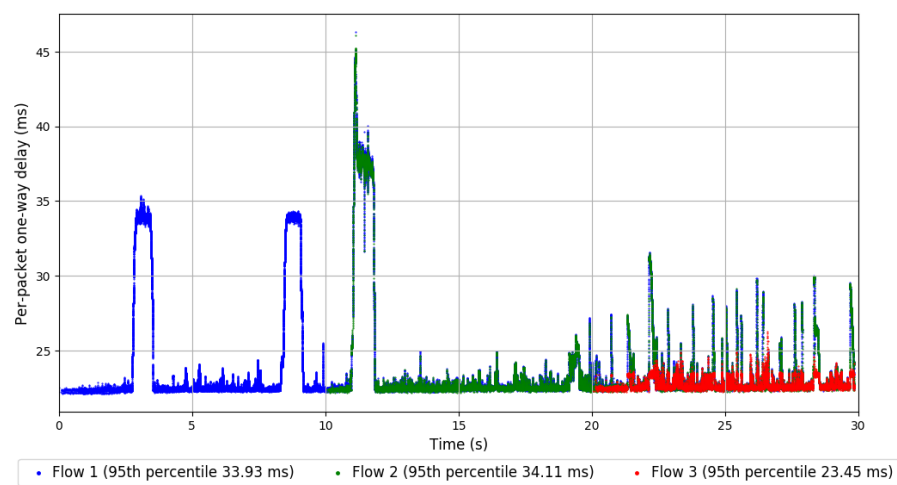
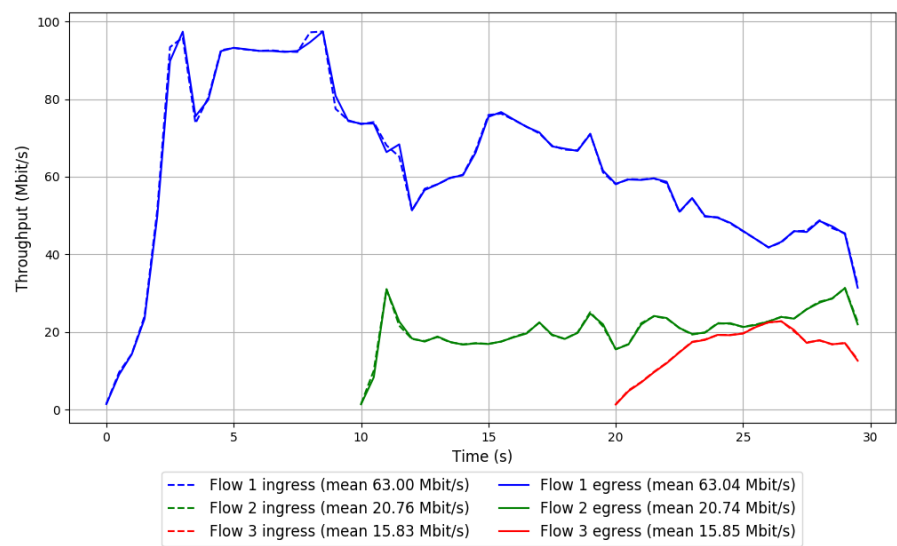


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 13:05:45
End at: 2018-02-16 13:06:15
Local clock offset: 3.71 ms
Remote clock offset: 15.311 ms

```
# Below is generated by plot.py at 2018-02-16 18:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 33.907 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 33.931 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 34.112 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 23.455 ms
Loss rate: 0.35%
```

Run 7: Report of Vivace-latency — Data Link

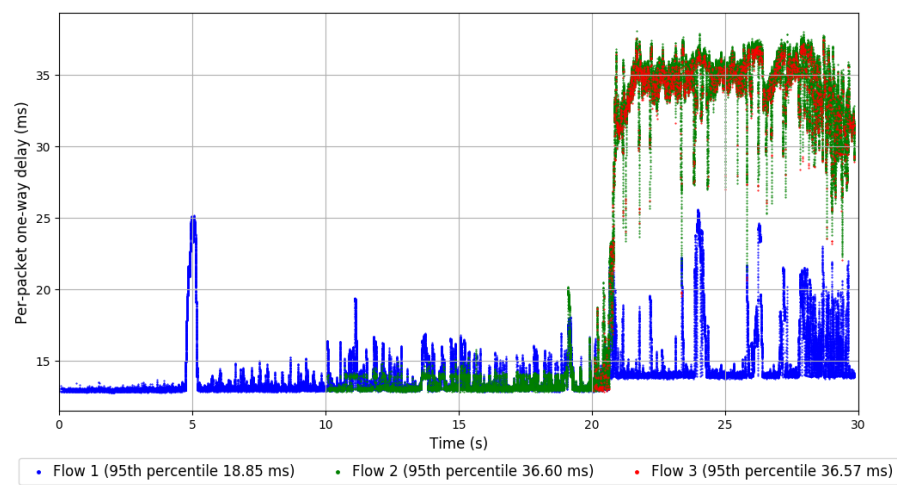
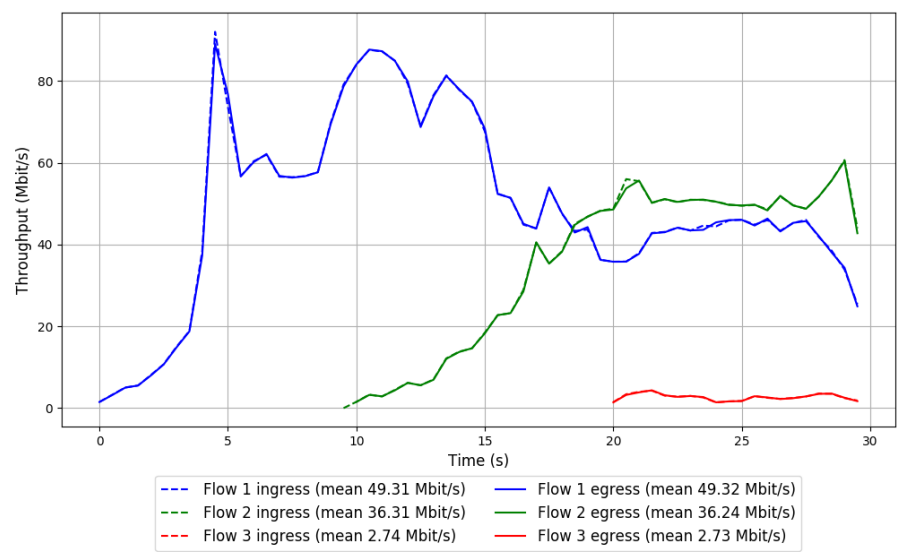


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 13:30:39
End at: 2018-02-16 13:31:09
Local clock offset: -2.742 ms
Remote clock offset: 22.271 ms

Below is generated by plot.py at 2018-02-16 18:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 35.685 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 36.605 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 36.570 ms
Loss rate: 0.48%

Run 8: Report of Vivace-latency — Data Link

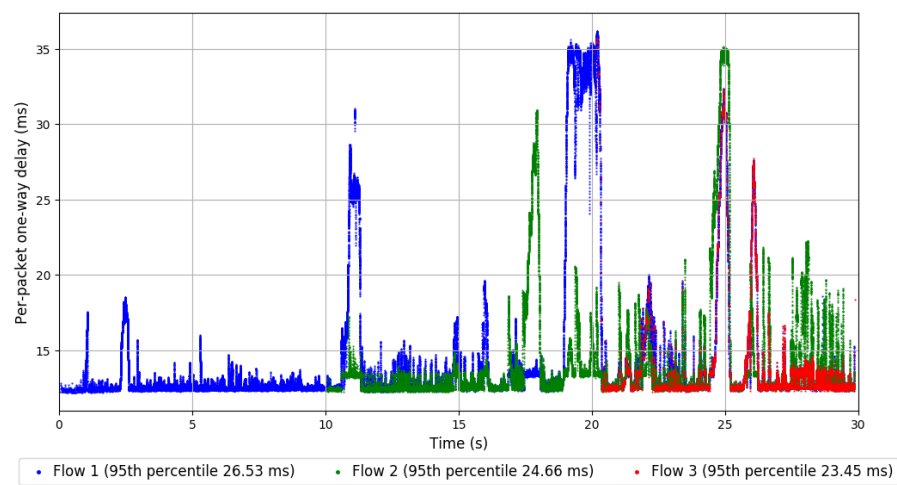
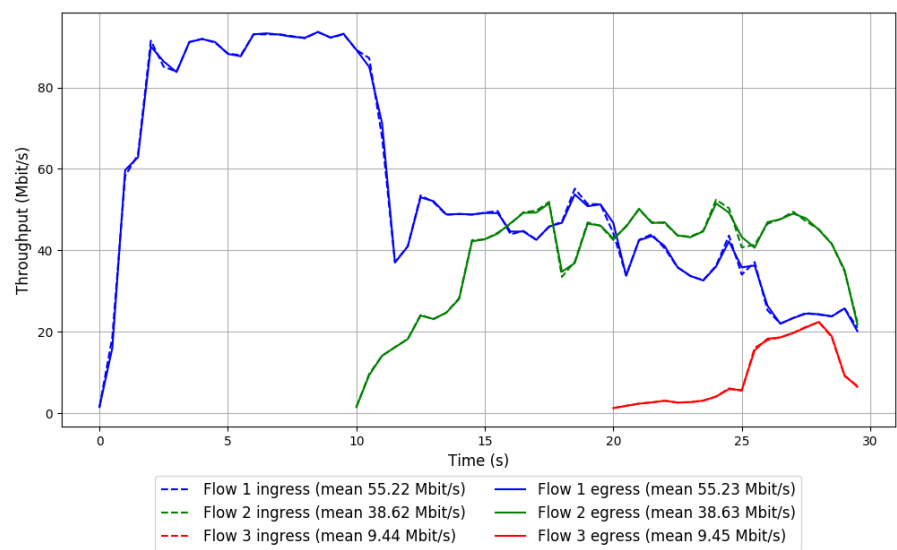


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 13:54:00
End at: 2018-02-16 13:54:30
Local clock offset: -3.357 ms
Remote clock offset: 25.223 ms

Below is generated by plot.py at 2018-02-16 18:49:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 25.914 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 26.527 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 23.447 ms
Loss rate: 0.22%

Run 9: Report of Vivace-latency — Data Link

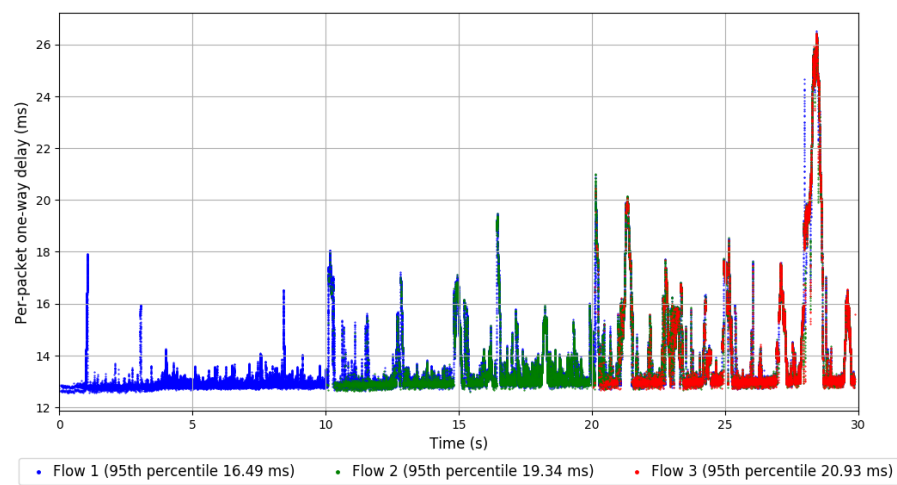
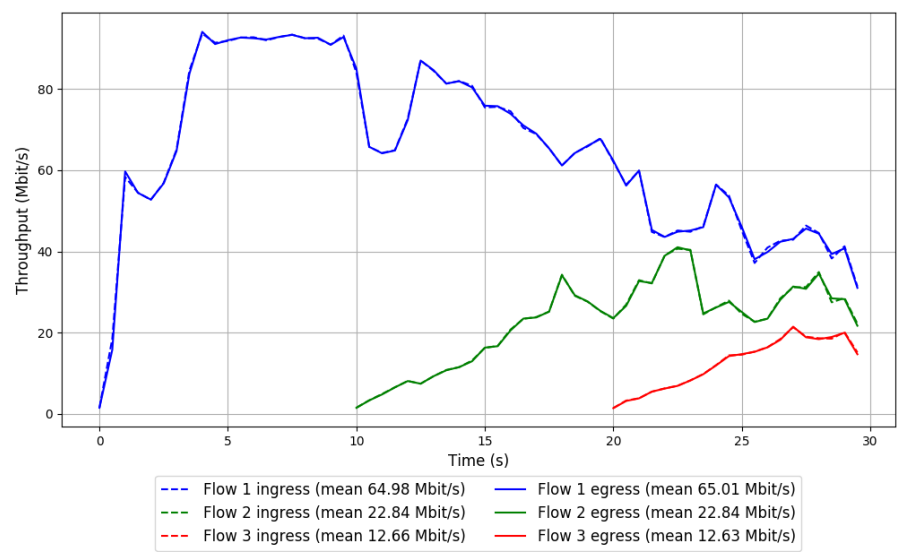


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 14:17:40
End at: 2018-02-16 14:18:10
Local clock offset: -4.265 ms
Remote clock offset: 28.169 ms

Below is generated by plot.py at 2018-02-16 18:50:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 17.126 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 16.492 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 22.84 Mbit/s
95th percentile per-packet one-way delay: 19.342 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 20.933 ms
Loss rate: 0.43%

Run 10: Report of Vivace-latency — Data Link

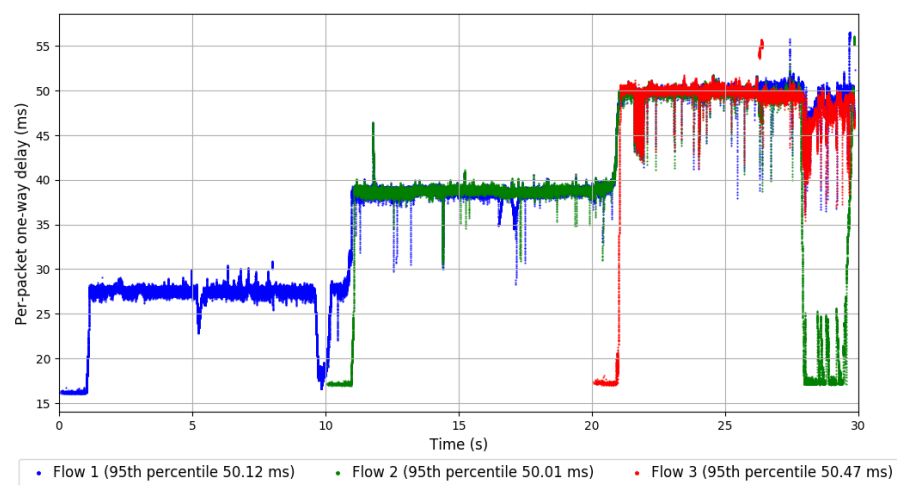
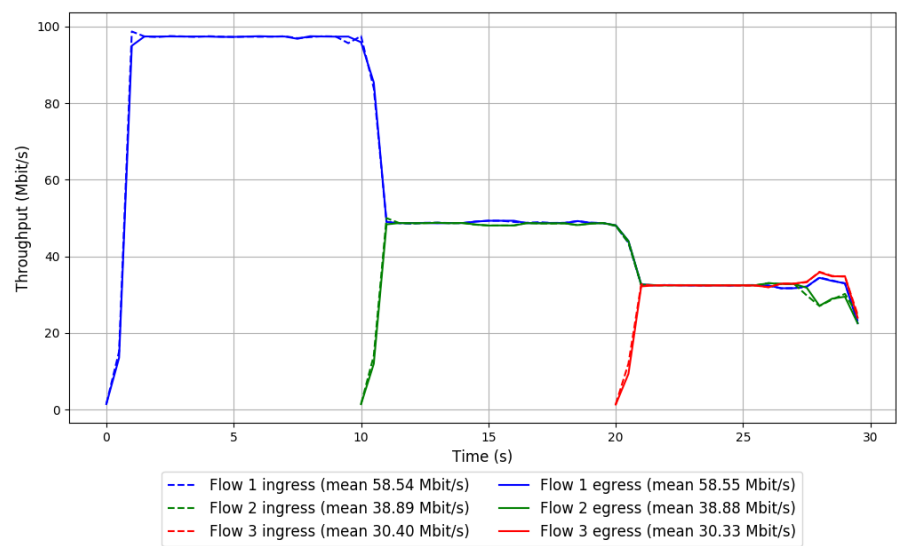


Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 10:46:53
End at: 2018-02-16 10:47:23
Local clock offset: -4.377 ms
Remote clock offset: -4.308 ms

Below is generated by plot.py at 2018-02-16 18:50:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 50.174 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 50.123 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 50.014 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 50.466 ms
Loss rate: 0.67%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 11:10:49

End at: 2018-02-16 11:11:20

Local clock offset: -8.498 ms

Remote clock offset: -5.49 ms

Below is generated by plot.py at 2018-02-16 18:51:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 56.174 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 56.118 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 56.185 ms

Loss rate: 0.28%

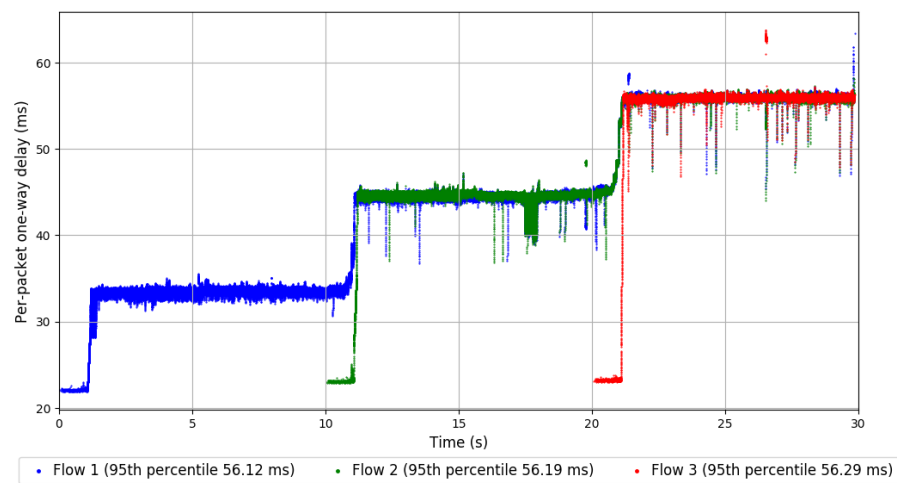
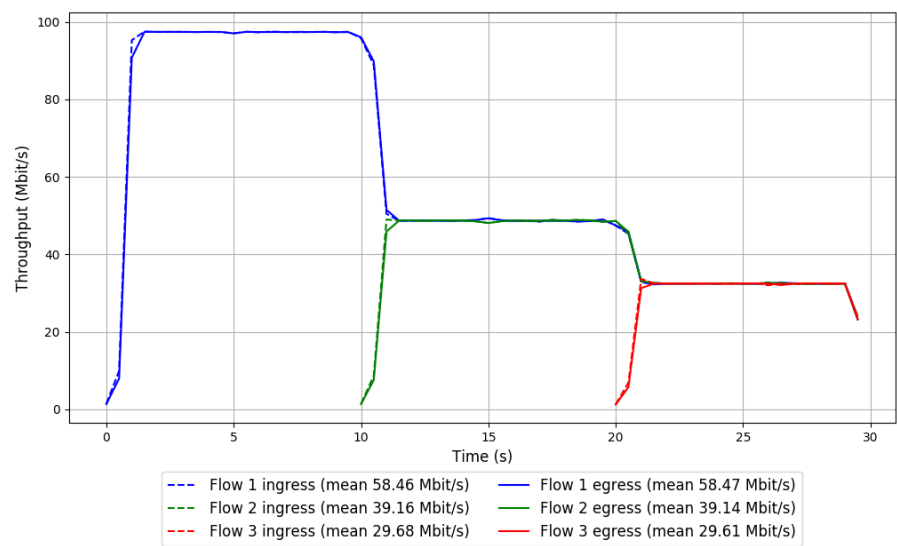
-- Flow 3:

Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 56.289 ms

Loss rate: 0.73%

Run 2: Report of Vivace-loss — Data Link

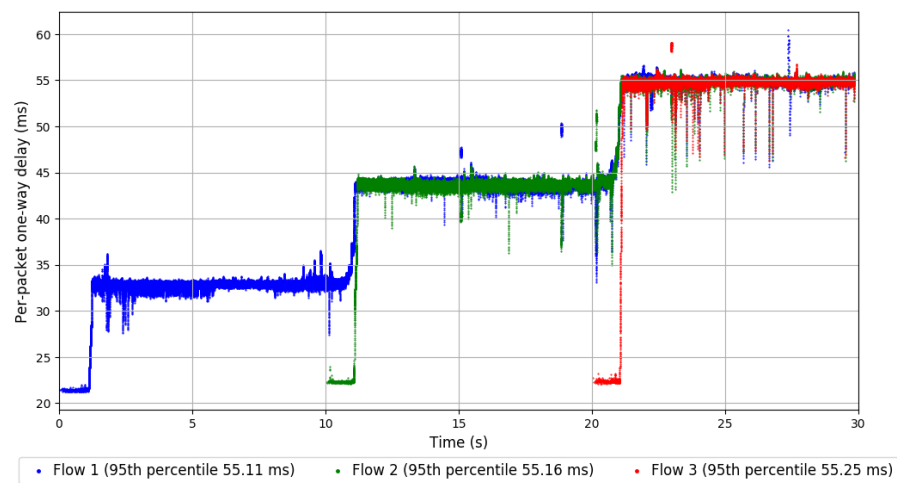
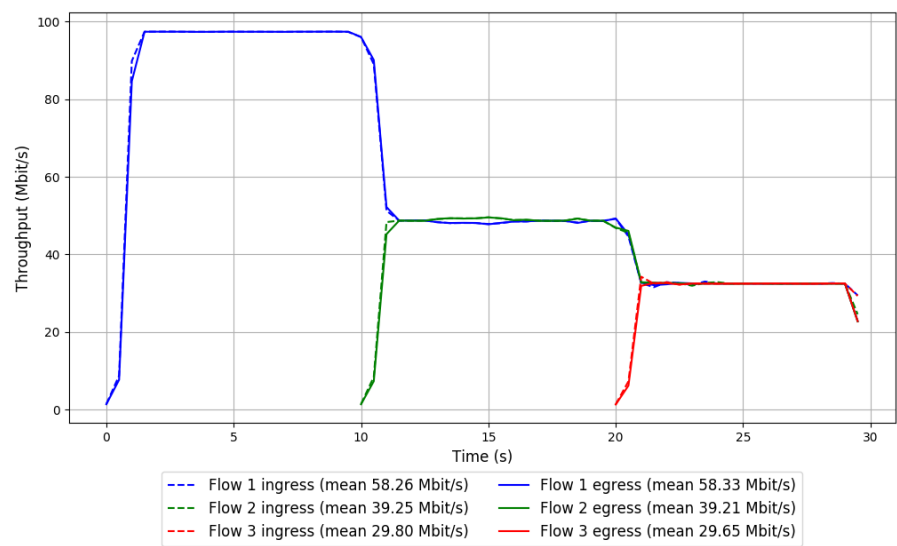


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 11:34:40
End at: 2018-02-16 11:35:10
Local clock offset: -4.495 ms
Remote clock offset: -2.847 ms

Below is generated by plot.py at 2018-02-16 18:51:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 55.152 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 55.106 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 55.164 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 55.247 ms
Loss rate: 1.70%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 11:58:20

End at: 2018-02-16 11:58:50

Local clock offset: 0.734 ms

Remote clock offset: 0.934 ms

Below is generated by plot.py at 2018-02-16 18:51:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 51.366 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 51.281 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 51.462 ms

Loss rate: 0.25%

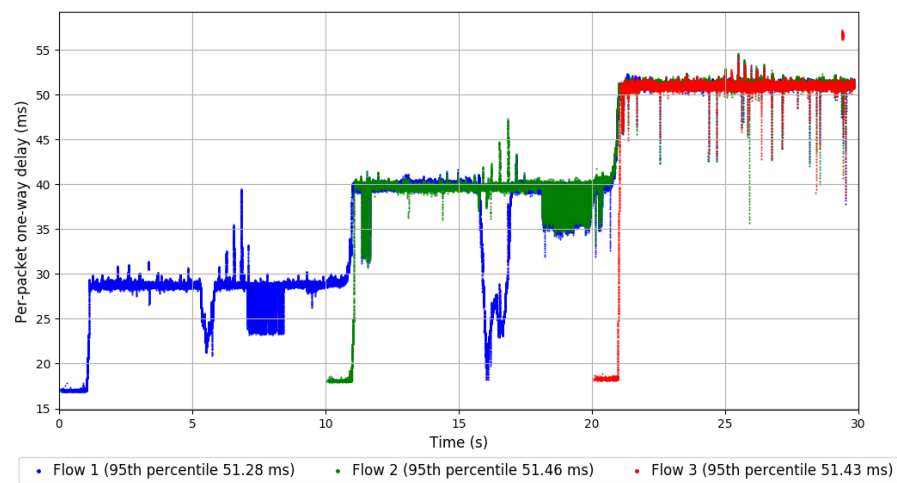
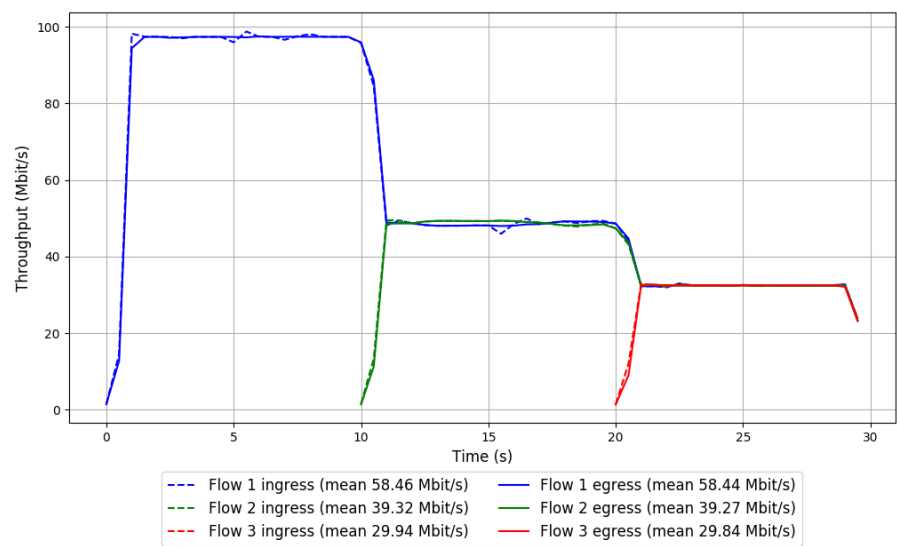
-- Flow 3:

Average throughput: 29.84 Mbit/s

95th percentile per-packet one-way delay: 51.429 ms

Loss rate: 0.66%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 12:21:59

End at: 2018-02-16 12:22:29

Local clock offset: -8.062 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2018-02-16 18:51:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 48.067 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 47.127 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 48.357 ms

Loss rate: 0.12%

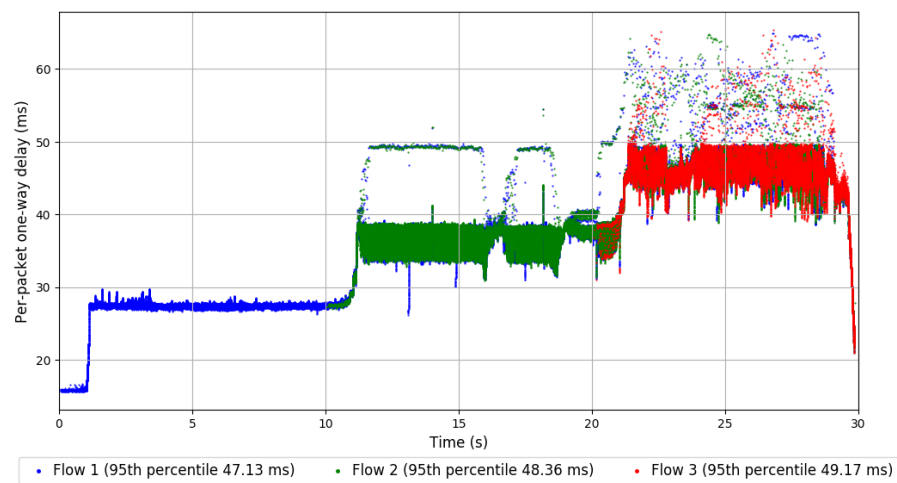
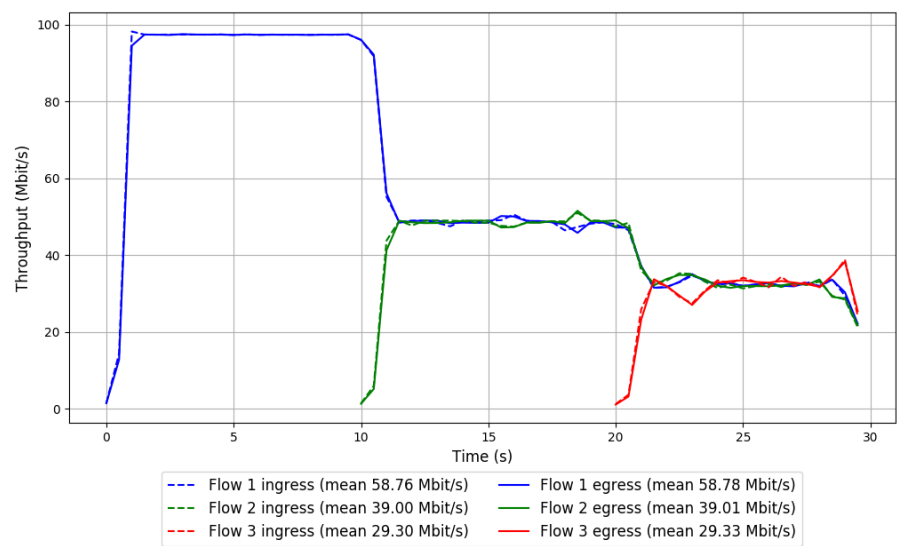
-- Flow 3:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 49.172 ms

Loss rate: 0.38%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 12:45:03

End at: 2018-02-16 12:45:33

Local clock offset: -0.765 ms

Remote clock offset: 6.411 ms

Below is generated by plot.py at 2018-02-16 18:51:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 56.525 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.44 Mbit/s

95th percentile per-packet one-way delay: 56.440 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 35.22 Mbit/s

95th percentile per-packet one-way delay: 56.752 ms

Loss rate: 0.24%

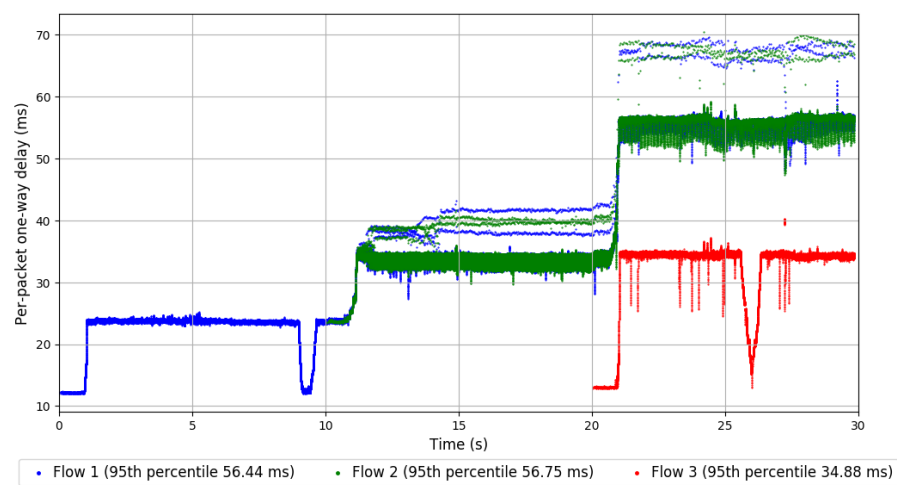
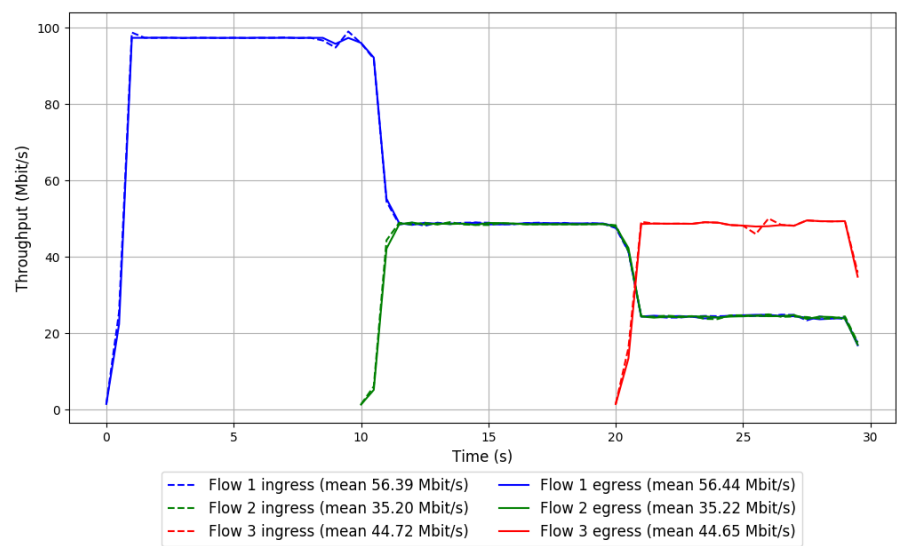
-- Flow 3:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 34.884 ms

Loss rate: 0.51%

Run 6: Report of Vivace-loss — Data Link

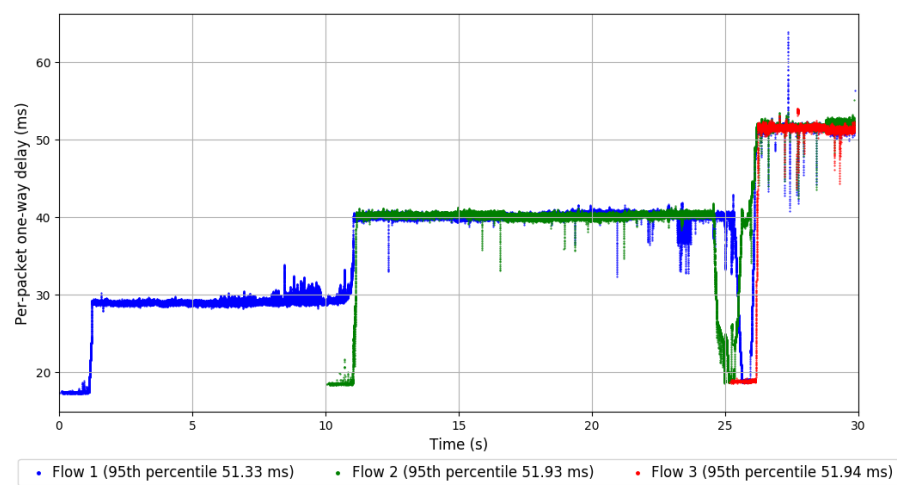
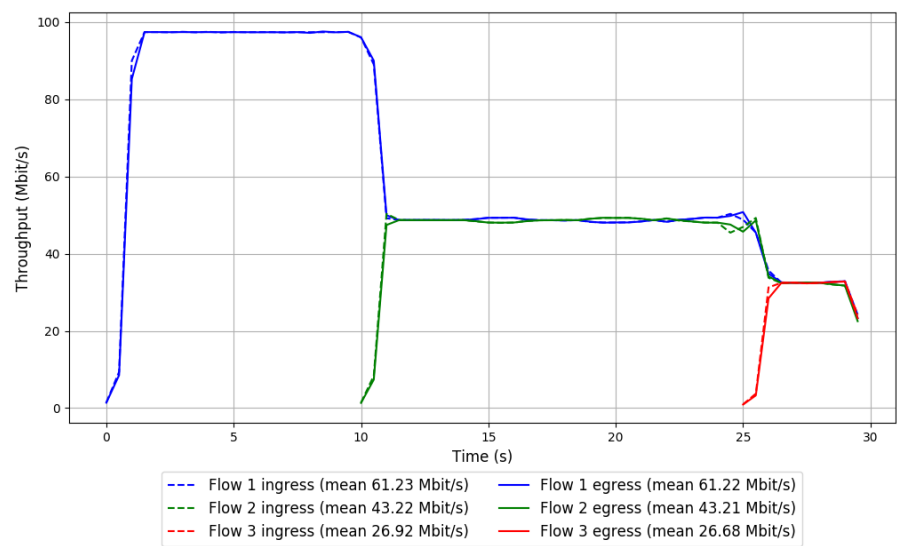


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 13:08:38
End at: 2018-02-16 13:09:08
Local clock offset: -6.506 ms
Remote clock offset: 12.673 ms

Below is generated by plot.py at 2018-02-16 18:51:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 51.717 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 51.331 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 51.933 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 1.68%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 13:33:23

End at: 2018-02-16 13:33:53

Local clock offset: -4.463 ms

Remote clock offset: 22.74 ms

Below is generated by plot.py at 2018-02-16 18:51:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 55.498 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 33.795 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 55.739 ms

Loss rate: 0.06%

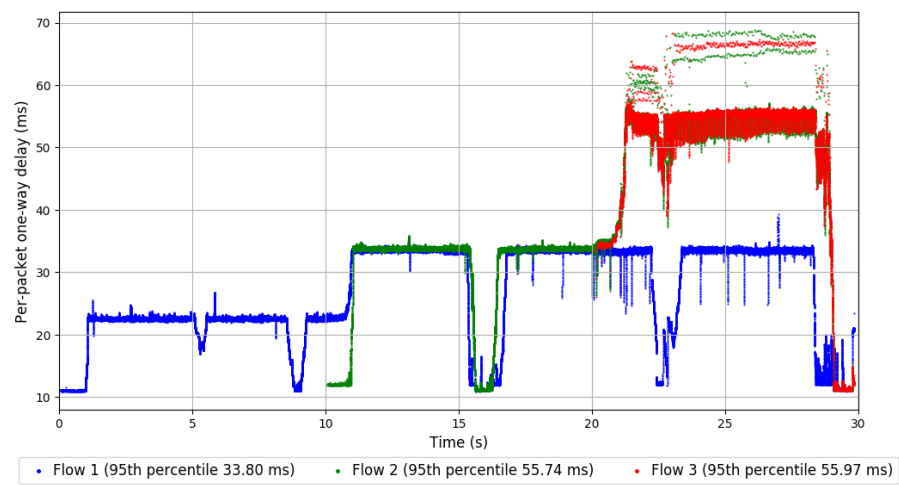
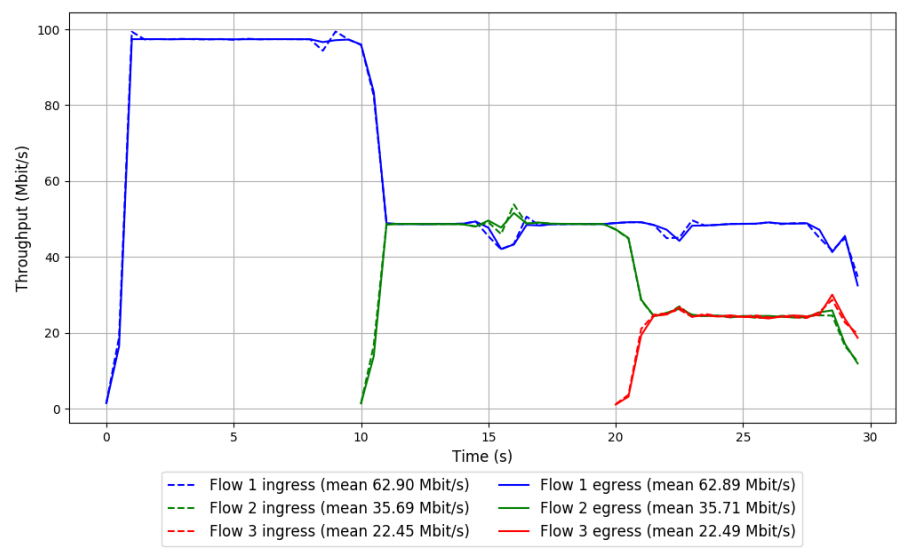
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 55.968 ms

Loss rate: 0.35%

Run 8: Report of Vivace-loss — Data Link

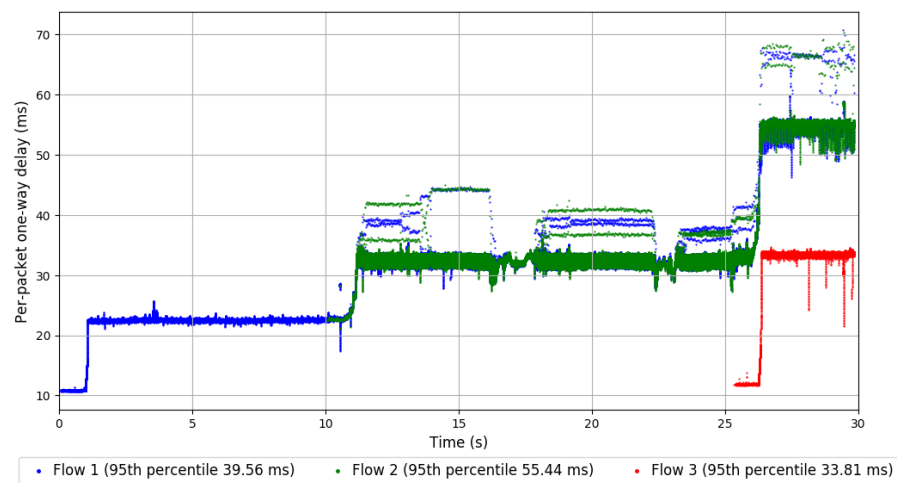
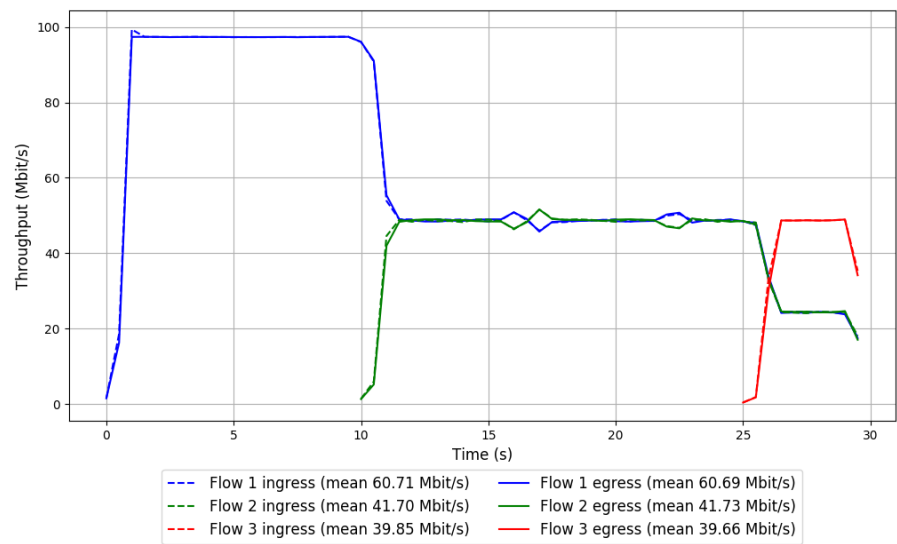


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 13:56:35
End at: 2018-02-16 13:57:05
Local clock offset: -4.676 ms
Remote clock offset: 26.033 ms

Below is generated by plot.py at 2018-02-16 18:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 54.213 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 39.562 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.73 Mbit/s
95th percentile per-packet one-way delay: 55.436 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 33.809 ms
Loss rate: 1.23%

Run 9: Report of Vivace-loss — Data Link

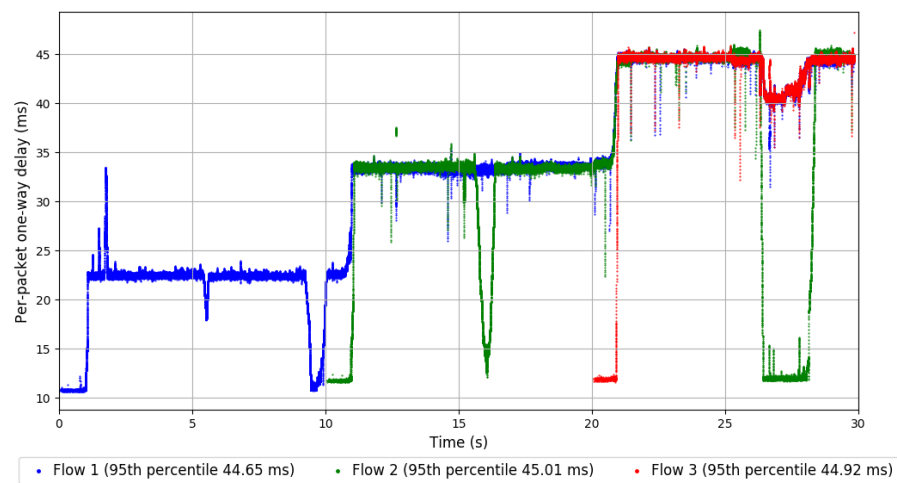
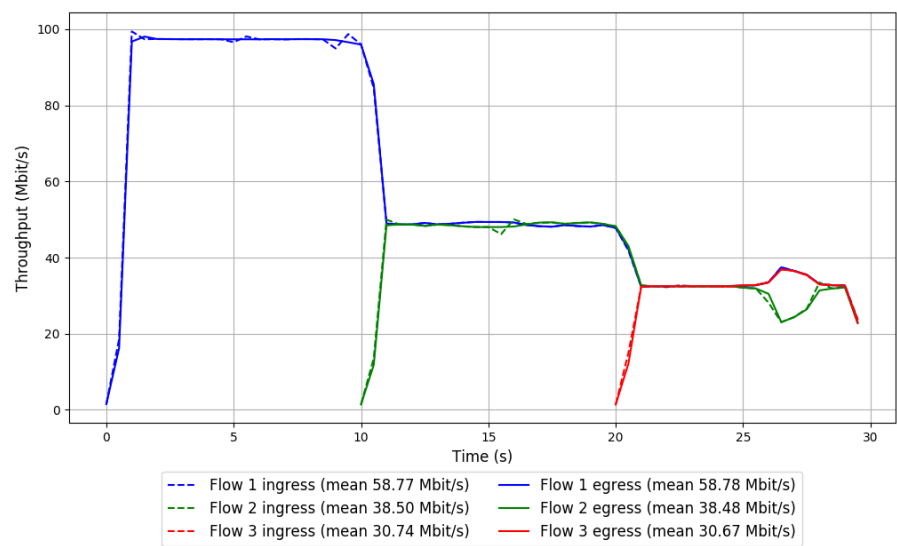


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 14:20:25
End at: 2018-02-16 14:20:55
Local clock offset: -5.648 ms
Remote clock offset: 29.702 ms

Below is generated by plot.py at 2018-02-16 18:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 44.831 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 44.645 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 45.007 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 44.925 ms
Loss rate: 0.61%

Run 10: Report of Vivace-loss — Data Link

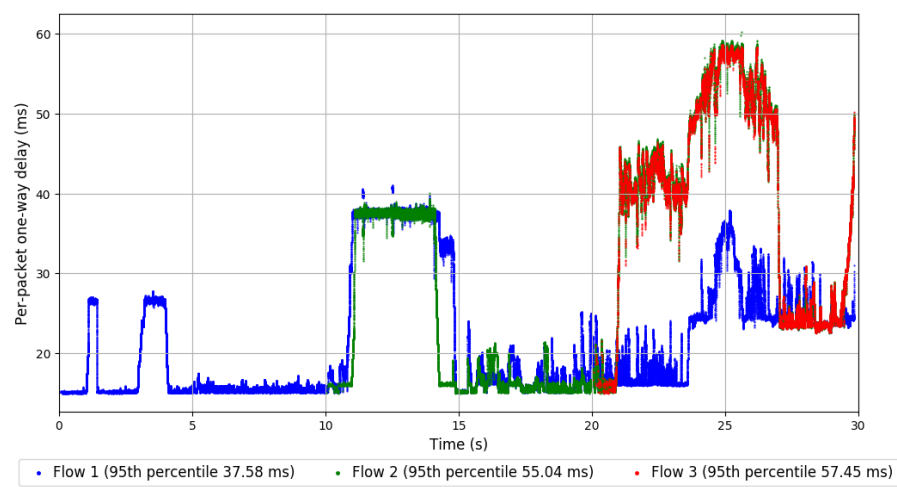
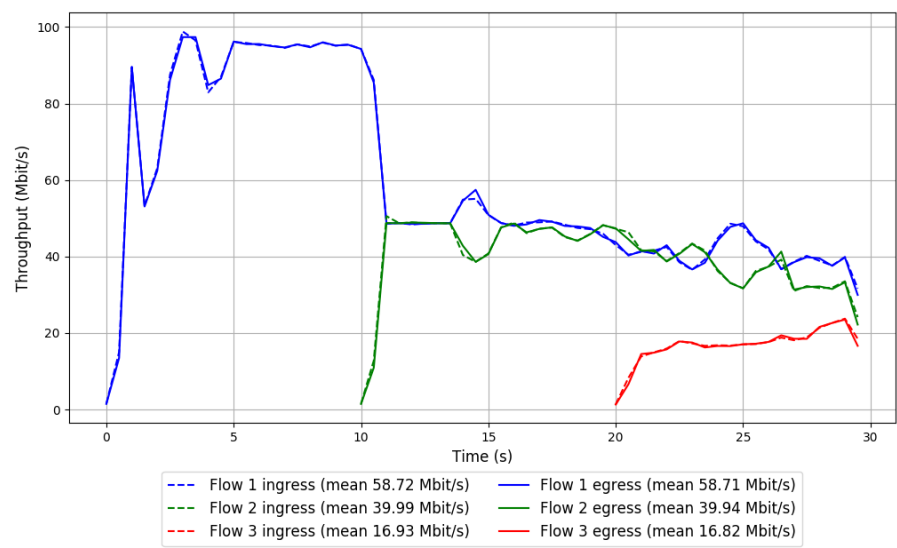


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 10:45:29
End at: 2018-02-16 10:45:59
Local clock offset: -6.58 ms
Remote clock offset: -5.434 ms

Below is generated by plot.py at 2018-02-16 18:52:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 50.035 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 37.575 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 55.040 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 57.455 ms
Loss rate: 0.94%

Run 1: Report of Vivace-LTE — Data Link

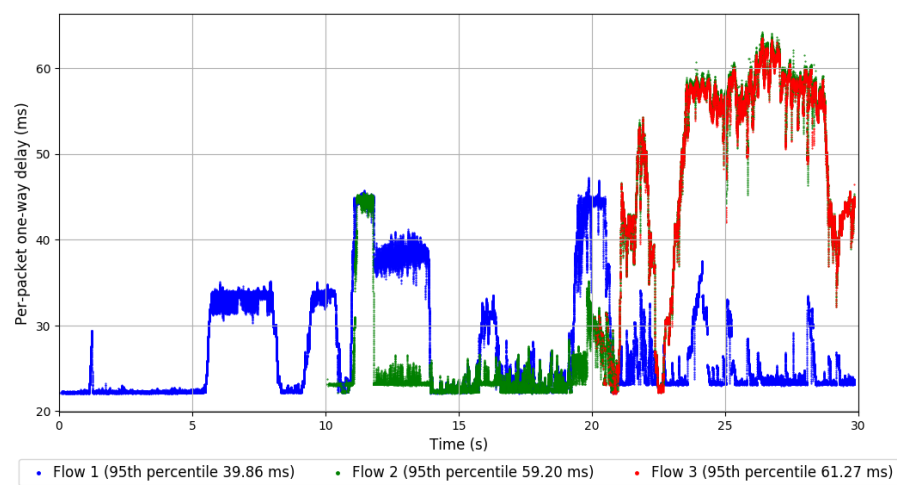
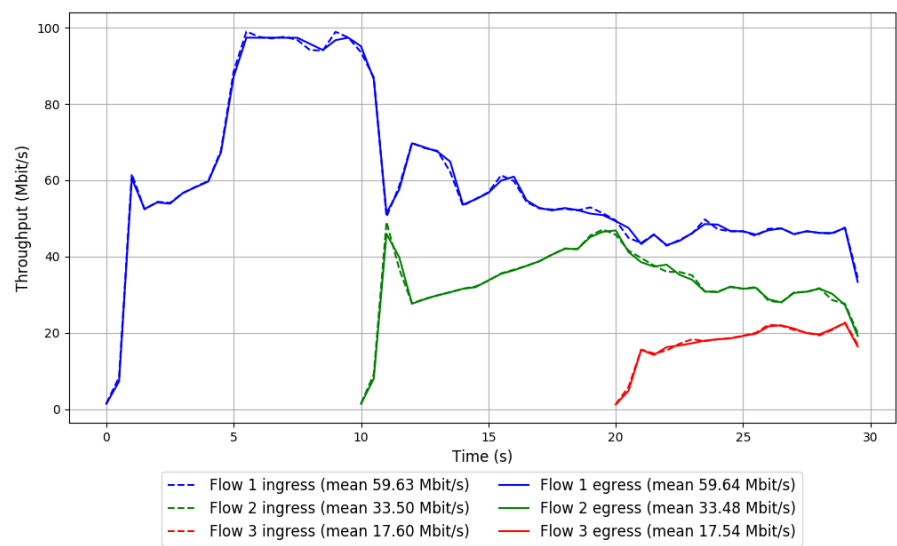


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 11:09:30
End at: 2018-02-16 11:10:00
Local clock offset: -7.873 ms
Remote clock offset: -5.159 ms

Below is generated by plot.py at 2018-02-16 18:52:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 57.595 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 39.863 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.75%

Run 2: Report of Vivace-LTE — Data Link

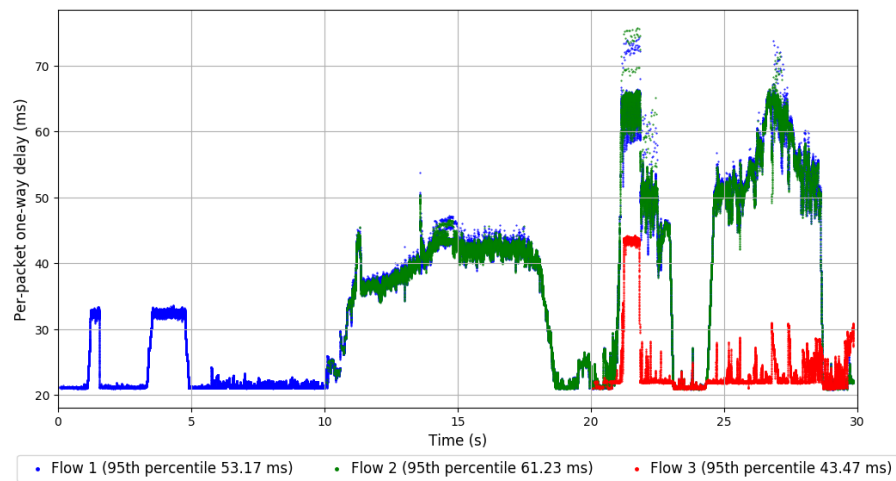
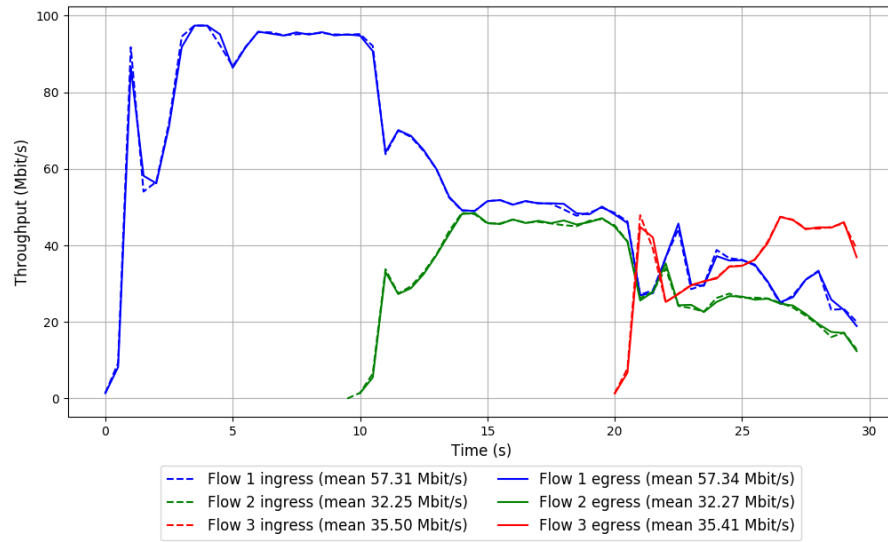


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 11:33:16
End at: 2018-02-16 11:33:46
Local clock offset: -5.645 ms
Remote clock offset: -3.389 ms

Below is generated by plot.py at 2018-02-16 18:52:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 54.539 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 53.167 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 61.226 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 43.466 ms
Loss rate: 0.58%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 11:56:57

End at: 2018-02-16 11:57:27

Local clock offset: 0.201 ms

Remote clock offset: 0.377 ms

Below is generated by plot.py at 2018-02-16 18:52:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.23 Mbit/s

95th percentile per-packet one-way delay: 54.884 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 54.197 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 36.26 Mbit/s

95th percentile per-packet one-way delay: 57.002 ms

Loss rate: 0.24%

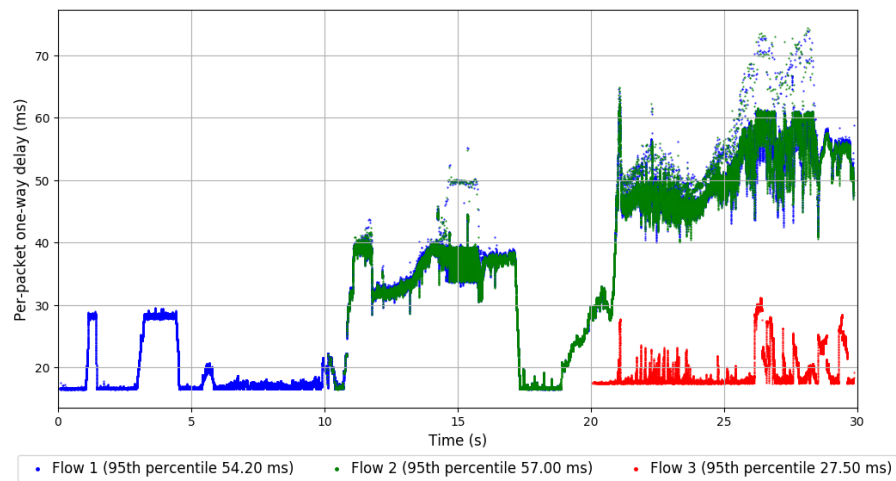
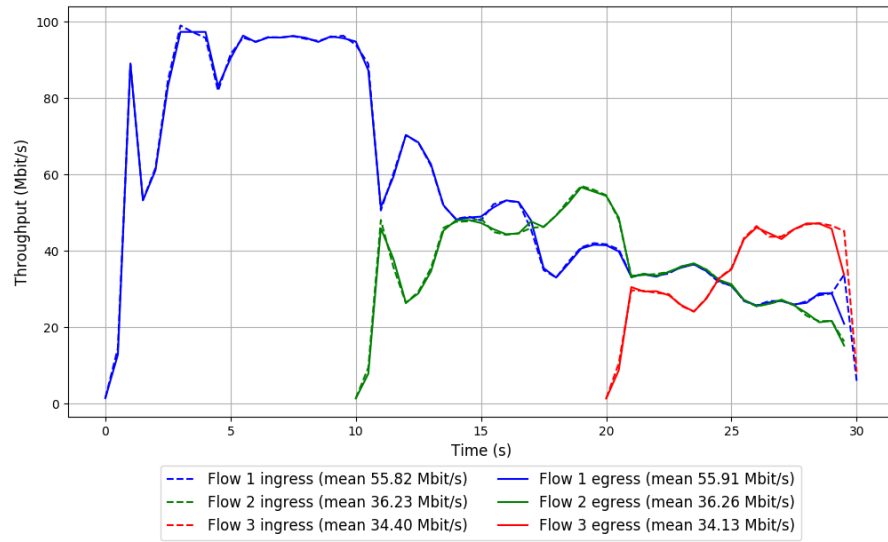
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 27.495 ms

Loss rate: 3.23%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 12:20:38

End at: 2018-02-16 12:21:08

Local clock offset: -6.5 ms

Remote clock offset: 3.793 ms

Below is generated by plot.py at 2018-02-16 18:52:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 51.063 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 50.406 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 52.654 ms

Loss rate: 0.22%

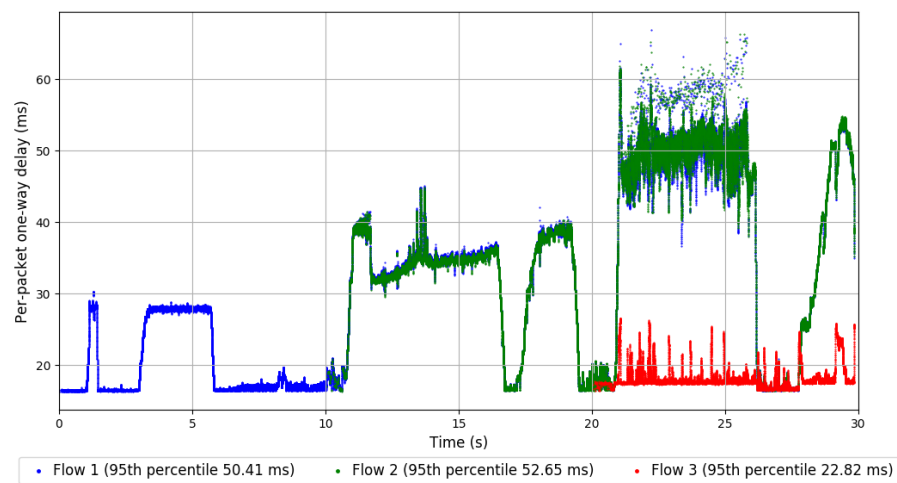
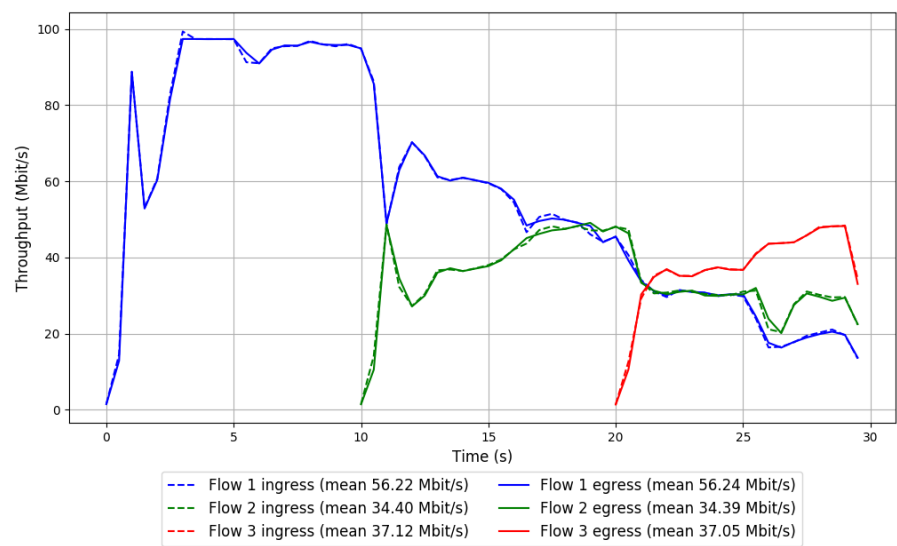
-- Flow 3:

Average throughput: 37.05 Mbit/s

95th percentile per-packet one-way delay: 22.823 ms

Loss rate: 0.43%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 12:43:45

End at: 2018-02-16 12:44:15

Local clock offset: -1.175 ms

Remote clock offset: 6.657 ms

Below is generated by plot.py at 2018-02-16 18:53:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 43.646 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 42.735 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 38.46 Mbit/s

95th percentile per-packet one-way delay: 44.904 ms

Loss rate: 0.17%

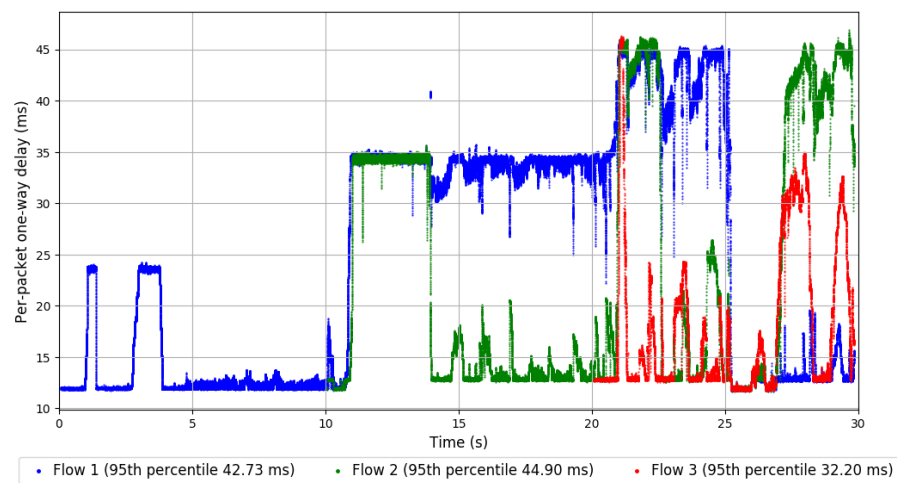
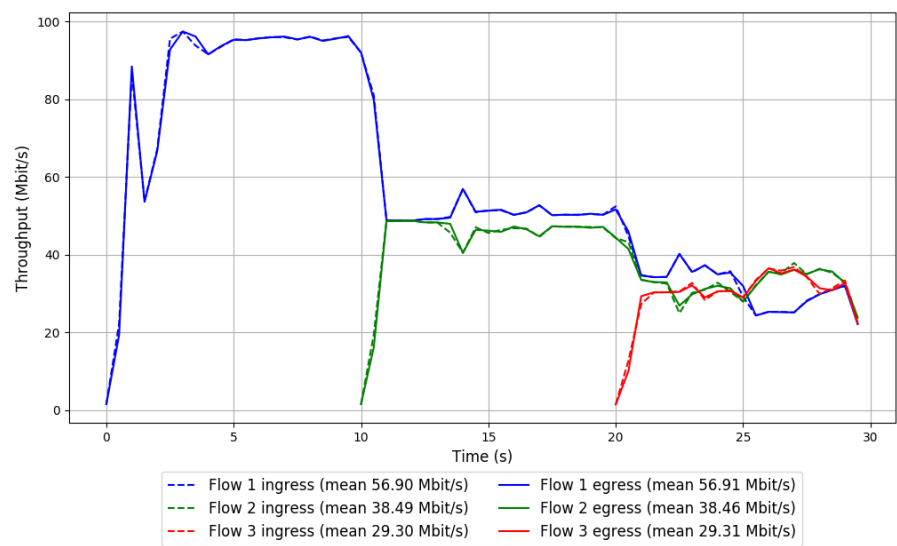
-- Flow 3:

Average throughput: 29.31 Mbit/s

95th percentile per-packet one-way delay: 32.200 ms

Loss rate: 0.30%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 13:07:07

End at: 2018-02-16 13:07:37

Local clock offset: 3.931 ms

Remote clock offset: 16.63 ms

Below is generated by plot.py at 2018-02-16 18:53:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.45 Mbit/s

95th percentile per-packet one-way delay: 54.456 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 55.919 ms

Loss rate: 0.14%

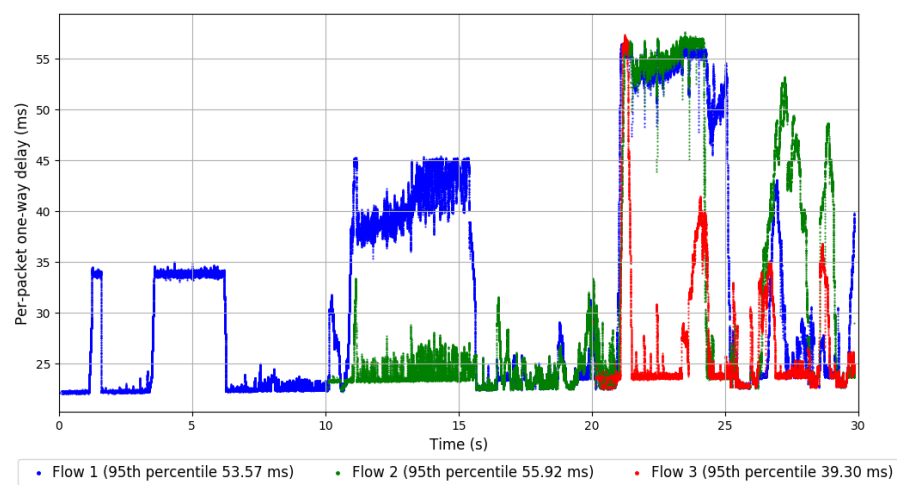
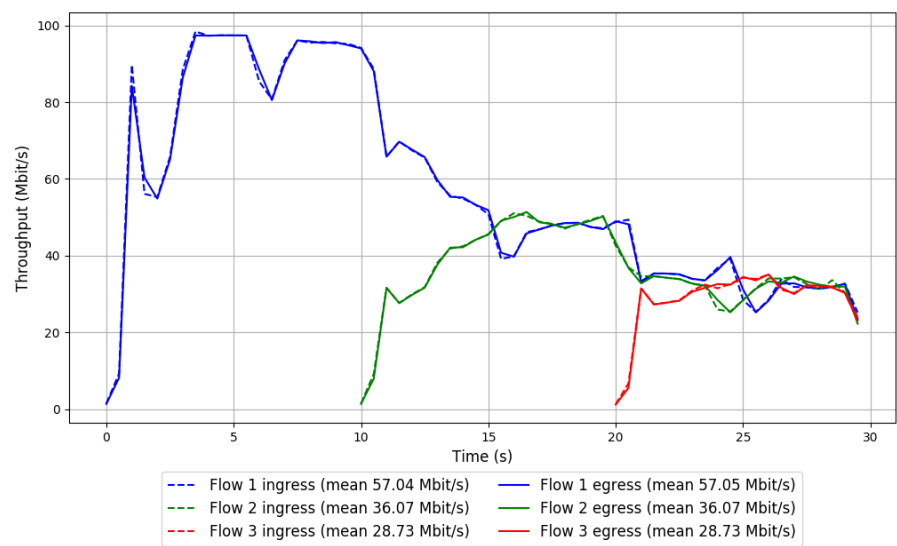
-- Flow 3:

Average throughput: 28.73 Mbit/s

95th percentile per-packet one-way delay: 39.298 ms

Loss rate: 0.40%

Run 7: Report of Vivace-LTE — Data Link

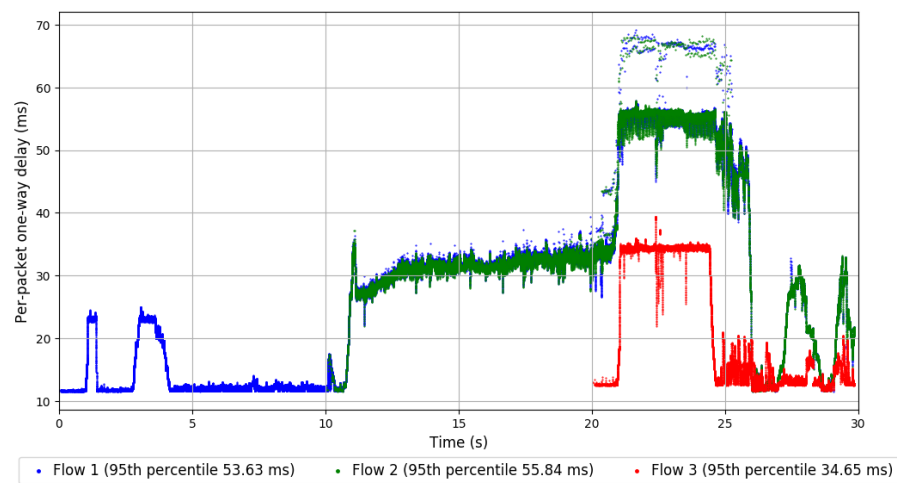
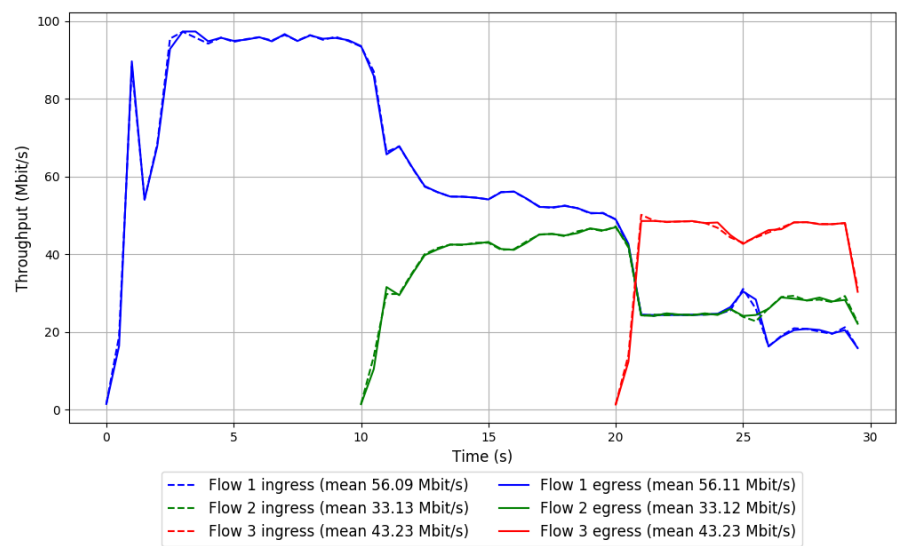


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 13:32:01
End at: 2018-02-16 13:32:31
Local clock offset: -4.526 ms
Remote clock offset: 21.924 ms

Below is generated by plot.py at 2018-02-16 18:53:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 55.081 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 53.635 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 55.838 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 34.654 ms
Loss rate: 0.25%

Run 8: Report of Vivace-LTE — Data Link

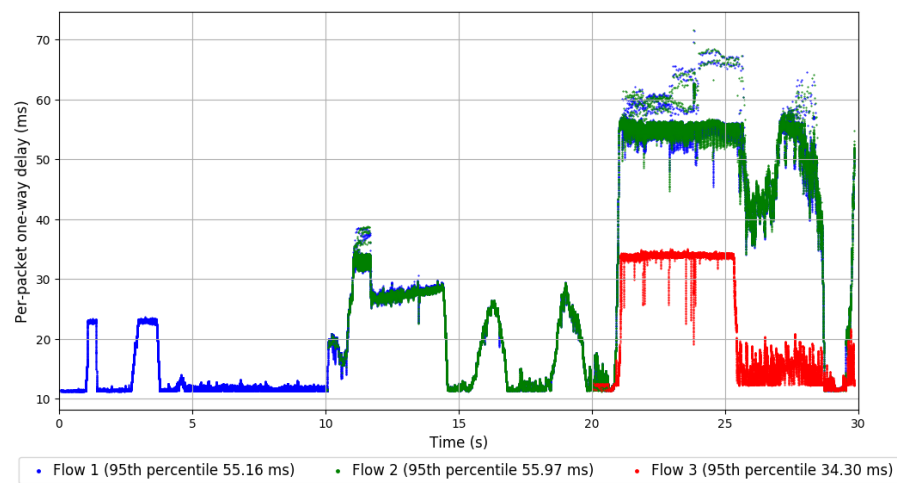
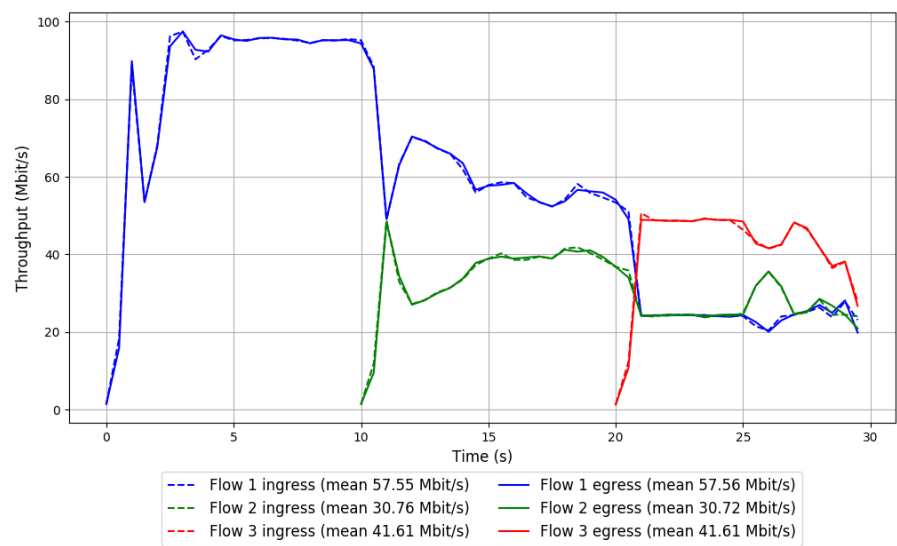


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 13:55:17
End at: 2018-02-16 13:55:47
Local clock offset: -4.891 ms
Remote clock offset: 24.964 ms

Below is generated by plot.py at 2018-02-16 18:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 55.511 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 55.157 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 55.970 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 34.302 ms
Loss rate: 0.21%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 14:19:00
End at: 2018-02-16 14:19:30
Local clock offset: -3.876 ms
Remote clock offset: 29.765 ms

Below is generated by plot.py at 2018-02-16 18:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 45.406 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 45.161 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 45.792 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 21.008 ms
Loss rate: 0.25%

Run 10: Report of Vivace-LTE — Data Link

