

Pantheon Report

Generated at 2018-02-16 19:19:38 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

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).

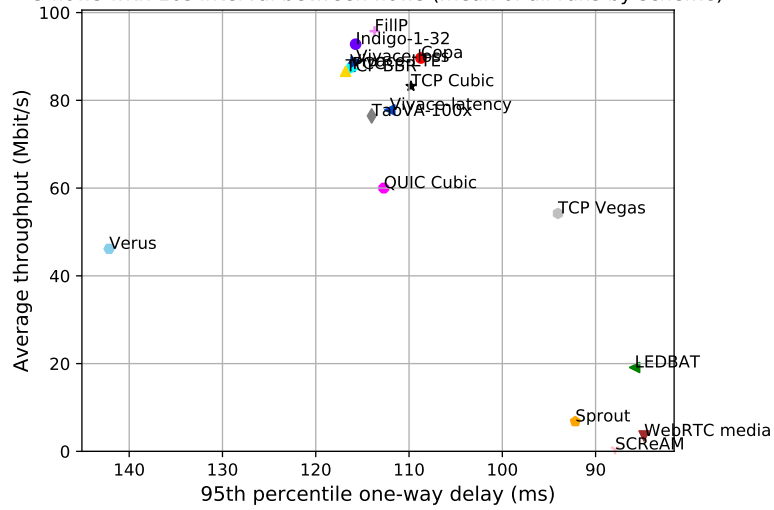
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

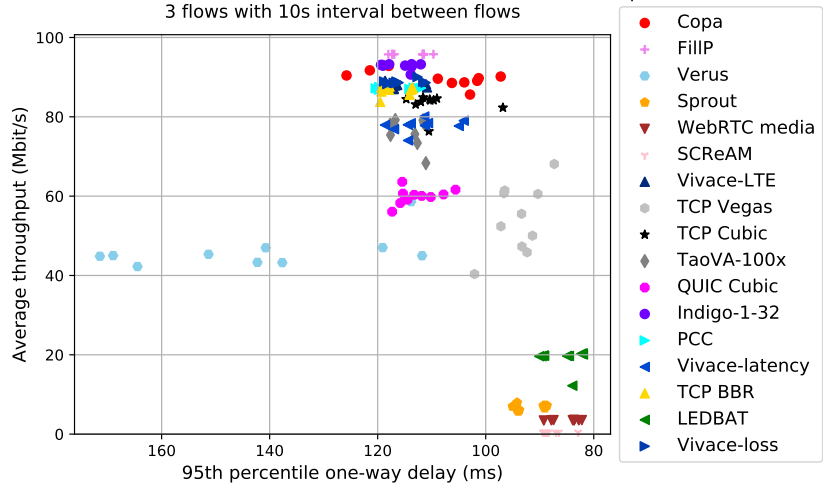
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia 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	54.03	36.09	25.75	115.86	116.68	116.38	7.09	10.51	12.93
TCP Cubic	10	52.60	36.21	19.59	108.19	110.78	109.85	0.28	0.78	0.87
LEDBAT	10	12.29	8.24	4.12	85.45	85.62	85.80	0.04	0.03	0.00
PCC	10	79.22	8.32	7.22	116.05	116.24	116.15	2.61	4.72	5.98
QUIC Cubic	10	40.39	22.41	14.53	113.31	109.59	107.49	0.74	0.64	2.26
SCReAM	10	0.22	0.22	0.22	87.41	87.45	86.87	0.00	0.00	0.00
WebRTC media	10	2.00	1.18	0.35	84.43	84.35	84.99	0.00	0.01	0.01
Sprout	10	3.83	3.22	2.56	92.09	92.31	91.02	0.00	0.00	0.00
TaoVA-100x	10	45.58	33.02	28.70	113.98	114.03	114.08	4.26	7.87	8.94
TCP Vegas	10	23.26	30.03	33.09	94.93	94.24	93.66	0.73	0.81	1.24
Verus	10	28.37	22.29	9.73	130.46	135.24	122.36	48.62	47.76	39.12
Copa	10	73.90	18.32	10.67	107.67	109.83	105.47	24.49	23.77	11.91
FillP	10	56.77	39.51	38.49	112.84	113.14	129.86	24.71	37.28	48.48
Indigo-1-32	10	61.28	25.85	45.00	115.33	115.23	114.92	18.03	39.26	65.84
Vivace-latency	10	67.62	11.68	7.40	111.96	110.70	112.03	0.15	0.33	0.70
Vivace-loss	10	82.60	7.13	4.43	115.67	115.83	115.64	2.88	3.75	4.16
Vivace-LTE	10	75.50	12.88	11.22	116.30	115.90	116.41	2.96	2.47	2.88

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 14:31:49

End at: 2018-02-16 14:32:19

Local clock offset: -4.042 ms

Remote clock offset: 2.023 ms

Below is generated by plot.py at 2018-02-16 18:55:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 117.940 ms

Loss rate: 6.97%

-- Flow 1:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 117.930 ms

Loss rate: 5.88%

-- Flow 2:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 117.815 ms

Loss rate: 8.82%

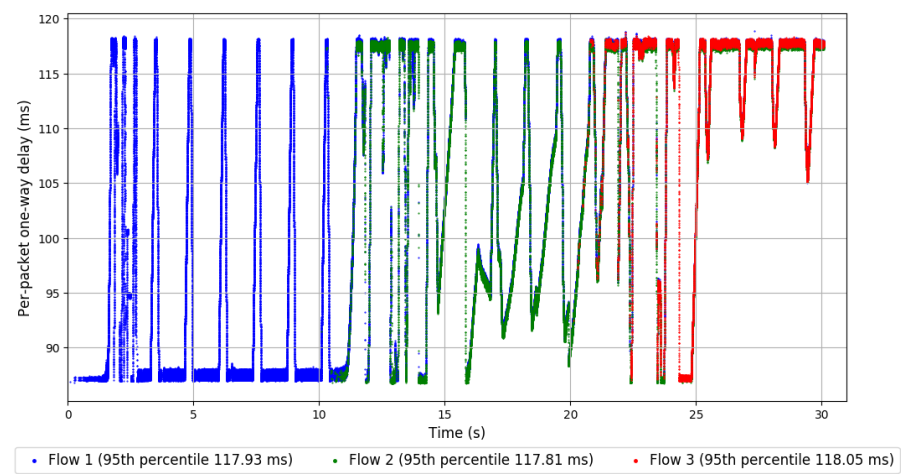
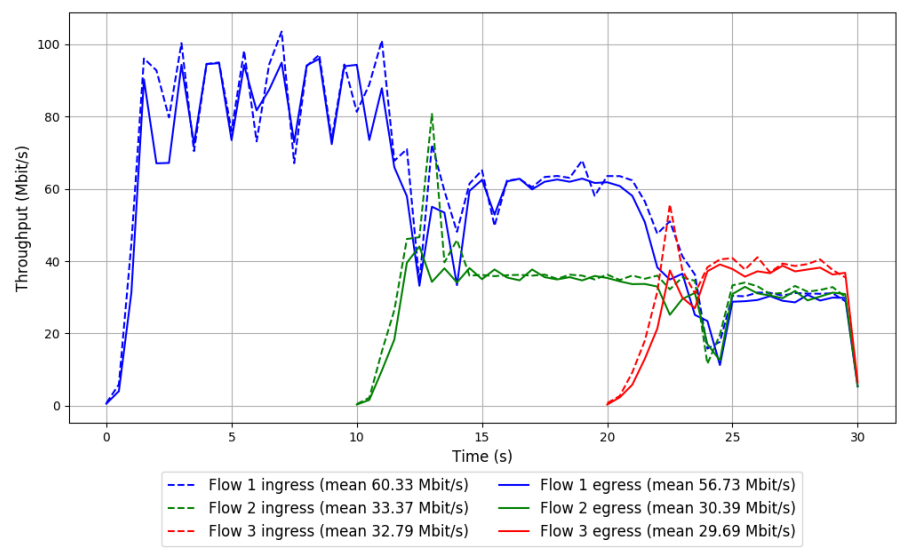
-- Flow 3:

Average throughput: 29.69 Mbit/s

95th percentile per-packet one-way delay: 118.054 ms

Loss rate: 9.22%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-16 14:55:45

End at: 2018-02-16 14:56:15

Local clock offset: -5.117 ms

Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-02-16 18:55:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 117.813 ms

Loss rate: 8.08%

-- Flow 1:

Average throughput: 55.75 Mbit/s

95th percentile per-packet one-way delay: 117.529 ms

Loss rate: 6.58%

-- Flow 2:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 117.922 ms

Loss rate: 9.64%

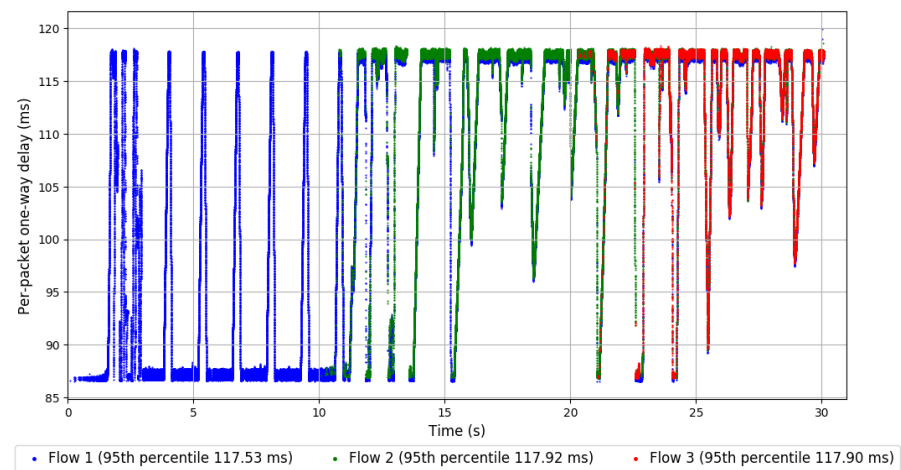
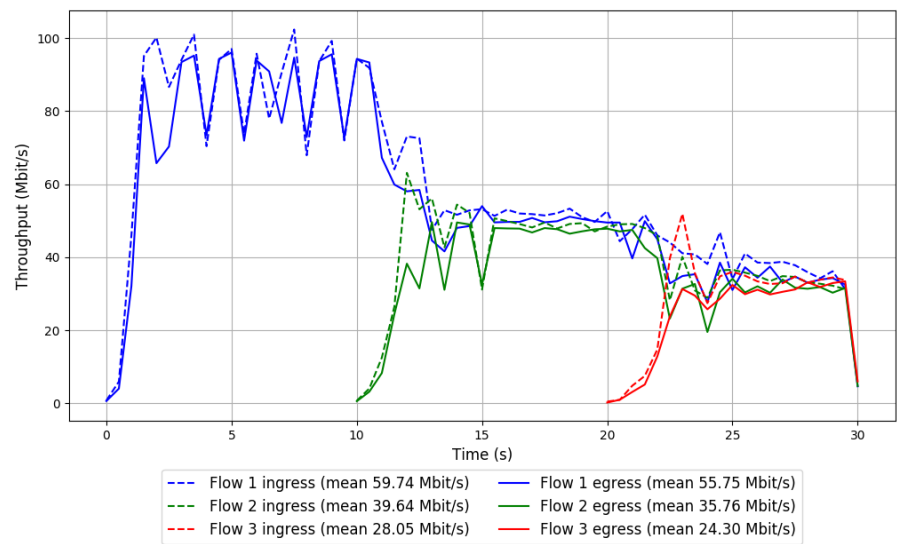
-- Flow 3:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 117.904 ms

Loss rate: 13.31%

Run 2: Report of TCP BBR — Data Link

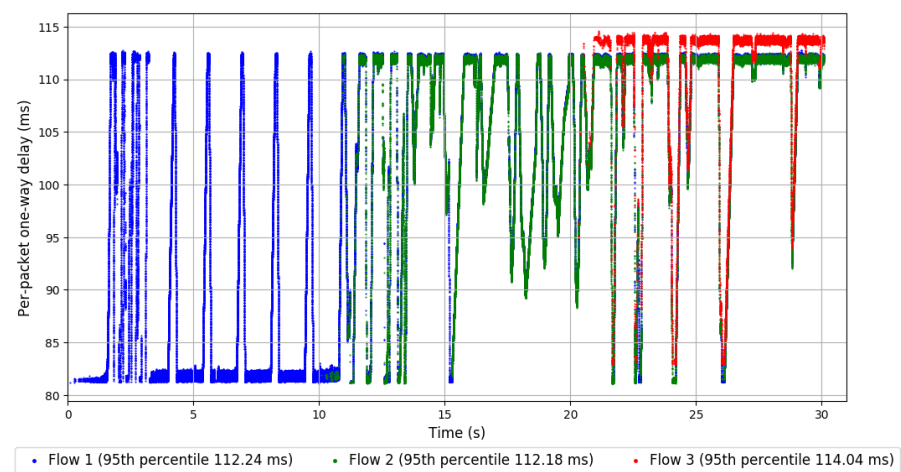
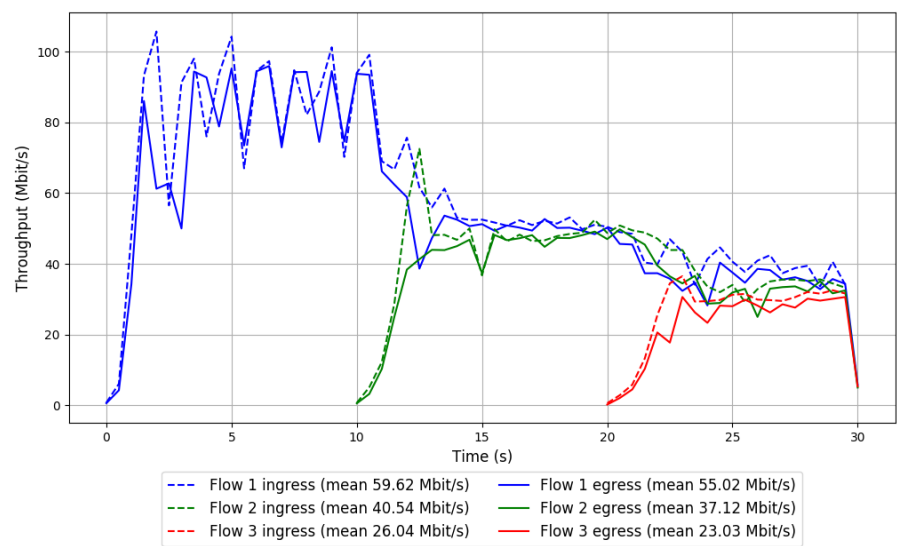


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 15:19:14
End at: 2018-02-16 15:19:44
Local clock offset: -7.031 ms
Remote clock offset: -3.594 ms

Below is generated by plot.py at 2018-02-16 18:55:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 113.592 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 7.62%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 112.180 ms
Loss rate: 8.30%
-- Flow 3:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 114.044 ms
Loss rate: 11.51%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-16 15:42:43

End at: 2018-02-16 15:43:13

Local clock offset: -5.08 ms

Remote clock offset: 4.136 ms

Below is generated by plot.py at 2018-02-16 18:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 119.331 ms

Loss rate: 10.06%

-- Flow 1:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 117.200 ms

Loss rate: 8.05%

-- Flow 2:

Average throughput: 37.64 Mbit/s

95th percentile per-packet one-way delay: 119.522 ms

Loss rate: 14.41%

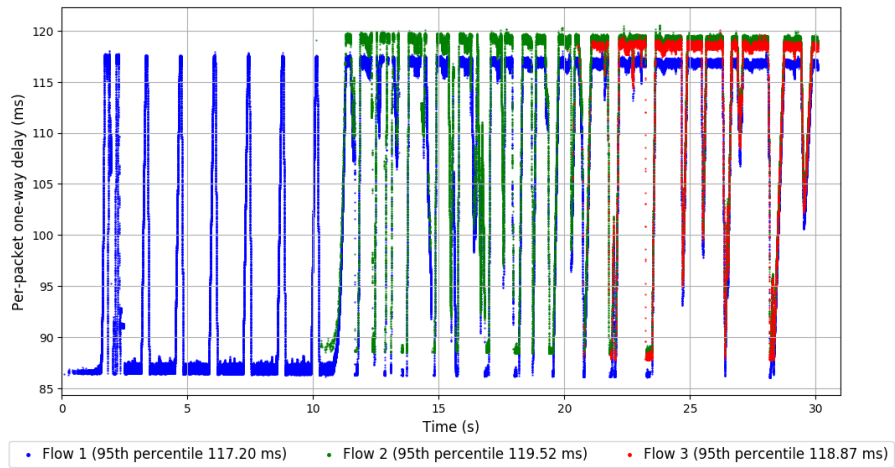
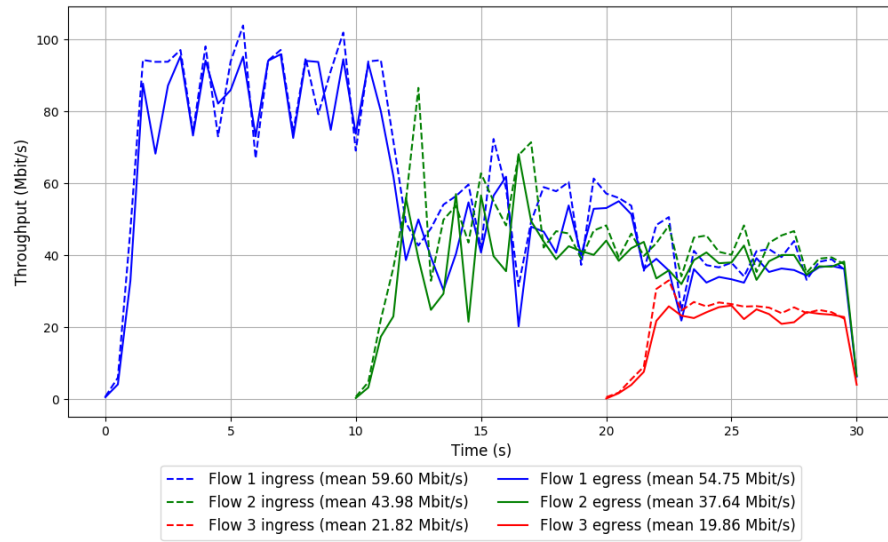
-- Flow 3:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 118.870 ms

Loss rate: 8.99%

Run 4: Report of TCP BBR — Data Link

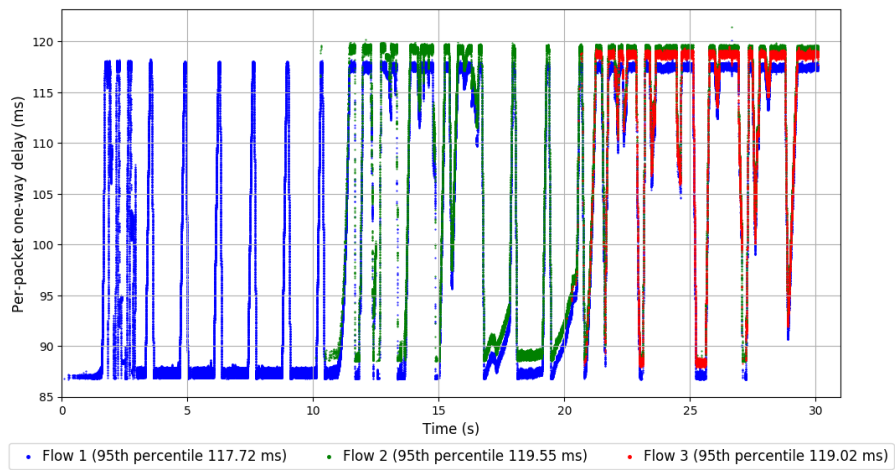
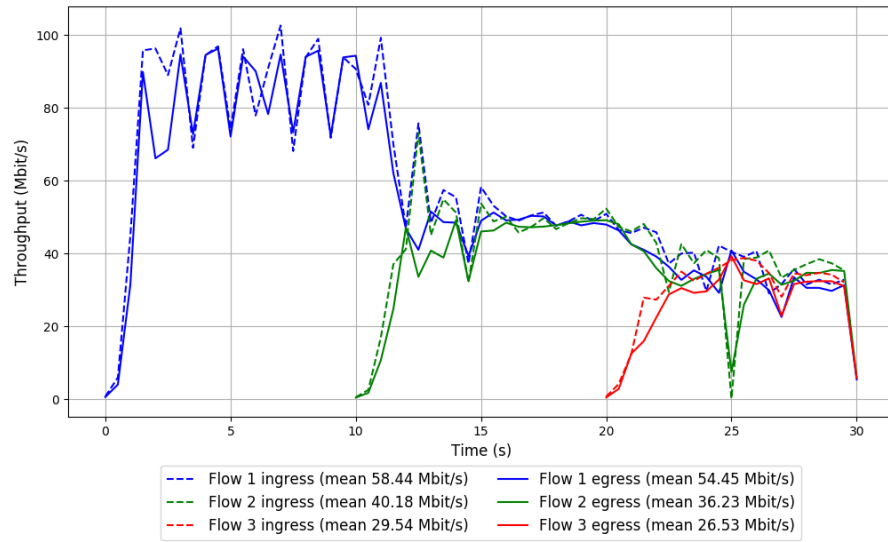


Run 5: Statistics of TCP BBR

Start at: 2018-02-16 16:06:18
End at: 2018-02-16 16:06:48
Local clock offset: -6.229 ms
Remote clock offset: 13.687 ms

Below is generated by plot.py at 2018-02-16 18:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 119.365 ms
Loss rate: 7.89%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 117.722 ms
Loss rate: 6.73%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 119.551 ms
Loss rate: 9.69%
-- Flow 3:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 119.019 ms
Loss rate: 9.97%

Run 5: Report of TCP BBR — Data Link

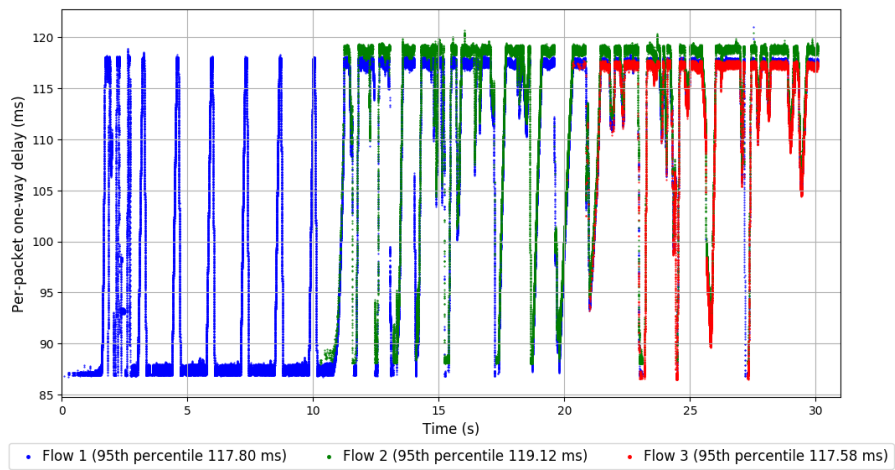
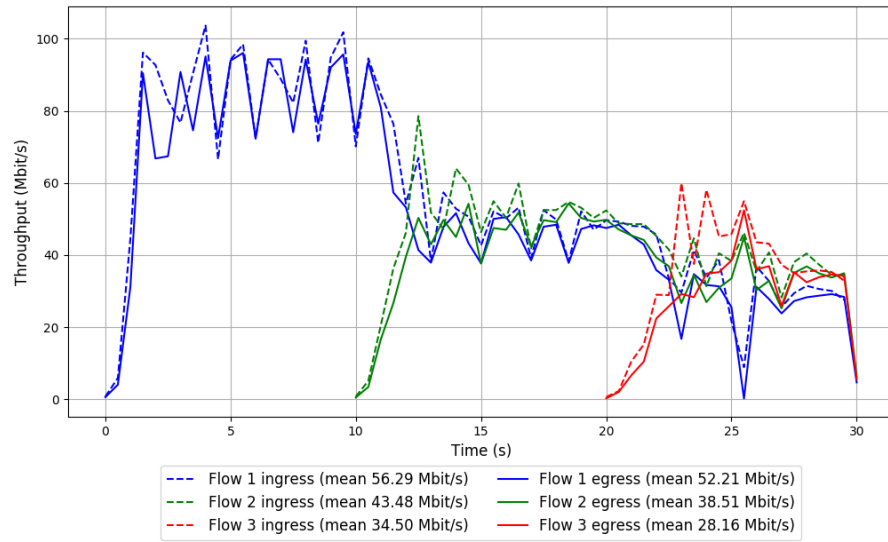


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 16:29:52
End at: 2018-02-16 16:30:22
Local clock offset: -7.329 ms
Remote clock offset: 17.961 ms

Below is generated by plot.py at 2018-02-16 18:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 118.949 ms
Loss rate: 9.73%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 117.801 ms
Loss rate: 7.15%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 119.117 ms
Loss rate: 11.36%
-- Flow 3:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 117.583 ms
Loss rate: 18.28%

Run 6: Report of TCP BBR — Data Link

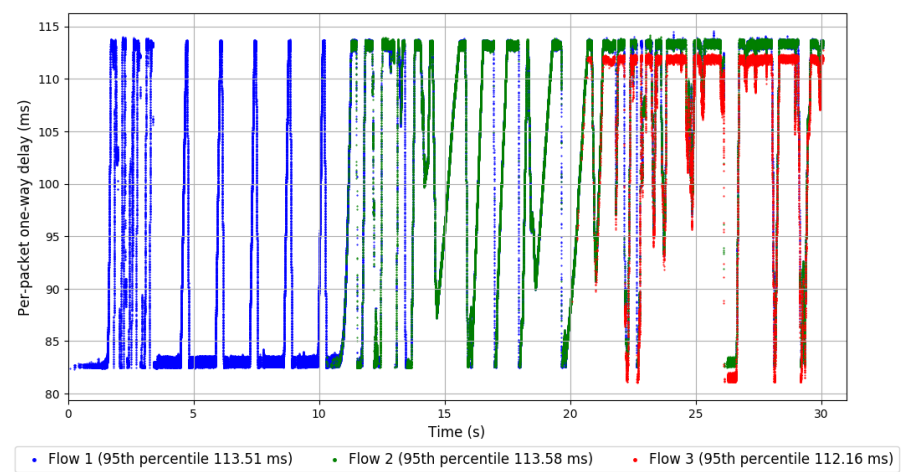
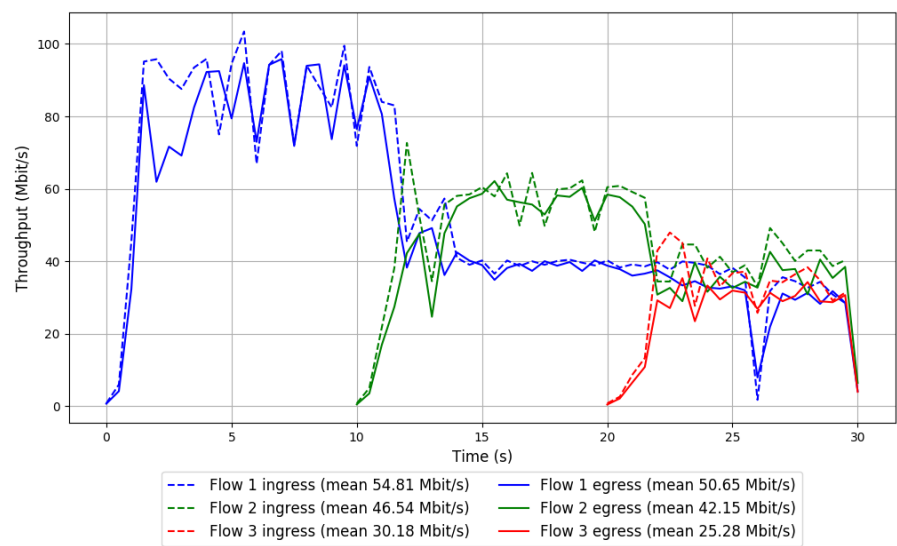


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 16:53:43
End at: 2018-02-16 16:54:13
Local clock offset: -5.784 ms
Remote clock offset: 13.157 ms

Below is generated by plot.py at 2018-02-16 18:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 113.537 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 113.513 ms
Loss rate: 7.50%
-- Flow 2:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 113.583 ms
Loss rate: 9.41%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 112.162 ms
Loss rate: 16.05%

Run 7: Report of TCP BBR — Data Link

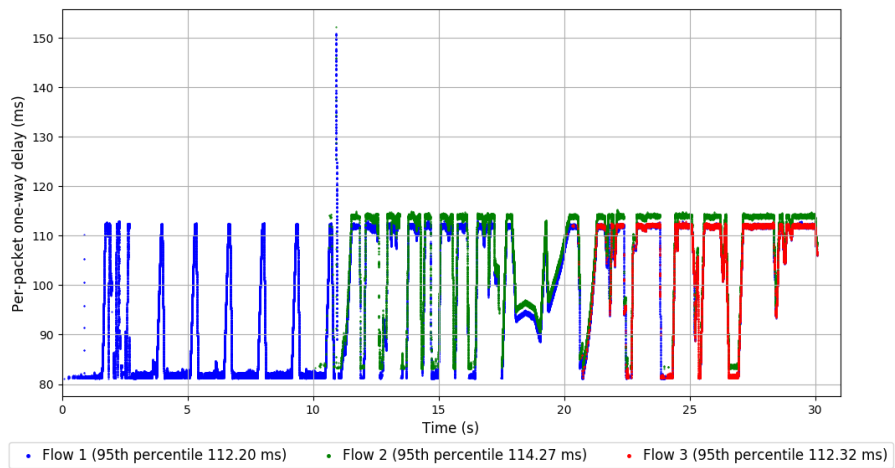
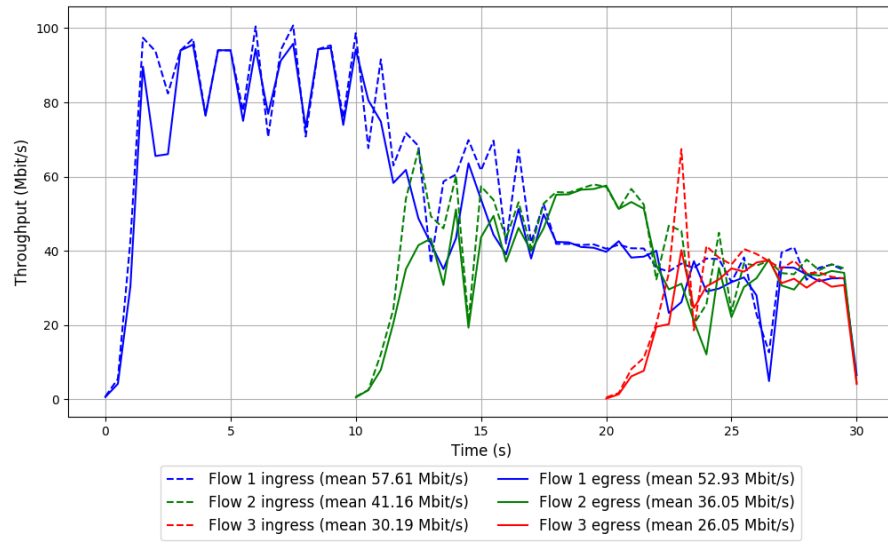


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 17:17:27
End at: 2018-02-16 17:17:57
Local clock offset: -6.189 ms
Remote clock offset: 11.363 ms

Below is generated by plot.py at 2018-02-16 18:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 114.091 ms
Loss rate: 9.88%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 8.05%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 114.269 ms
Loss rate: 12.30%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 112.320 ms
Loss rate: 13.73%

Run 8: Report of TCP BBR — Data Link

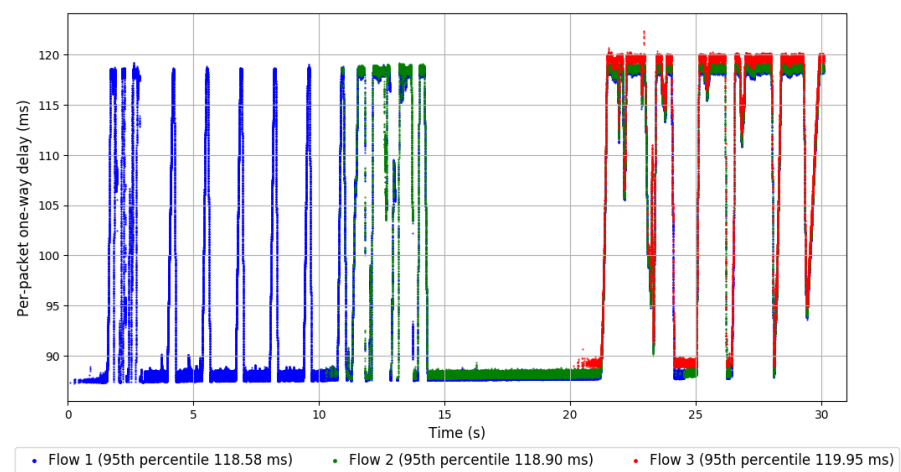
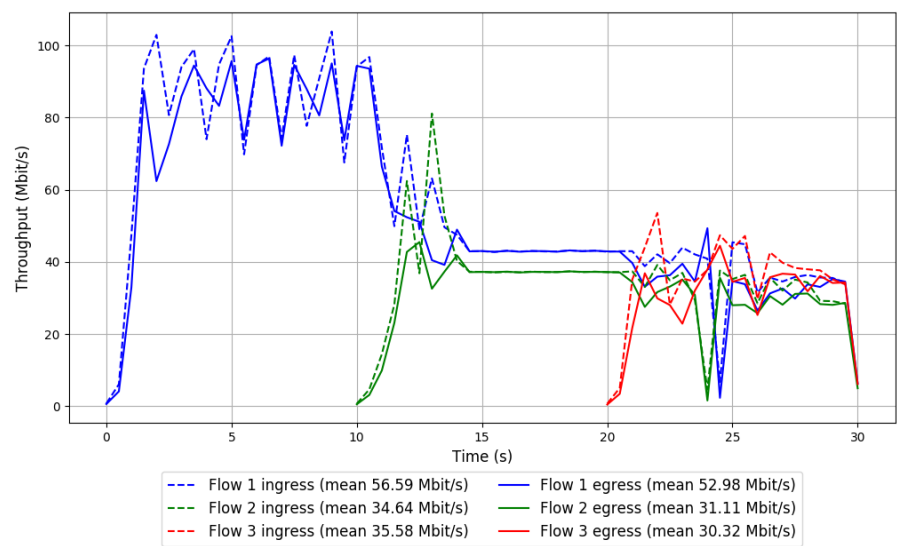


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 17:40:57
End at: 2018-02-16 17:41:27
Local clock offset: -6.248 ms
Remote clock offset: -1.958 ms

Below is generated by plot.py at 2018-02-16 18:56:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 119.546 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 118.576 ms
Loss rate: 6.29%
-- Flow 2:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 118.899 ms
Loss rate: 10.07%
-- Flow 3:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 119.950 ms
Loss rate: 14.55%

Run 9: Report of TCP BBR — Data Link

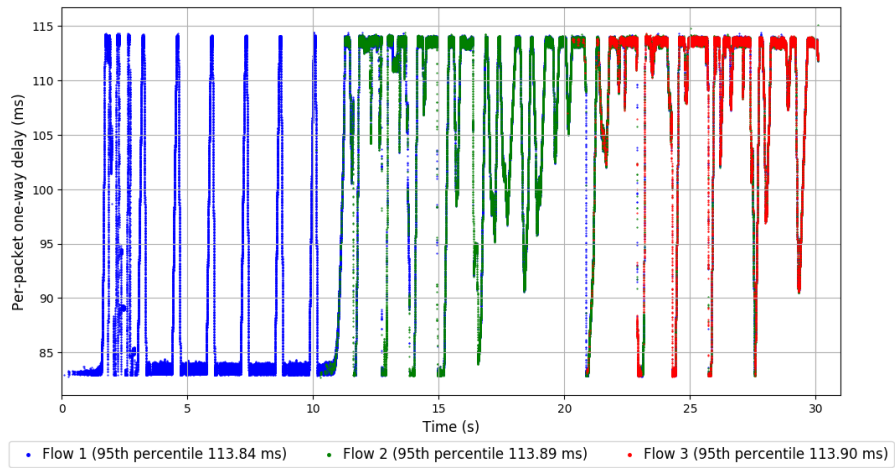
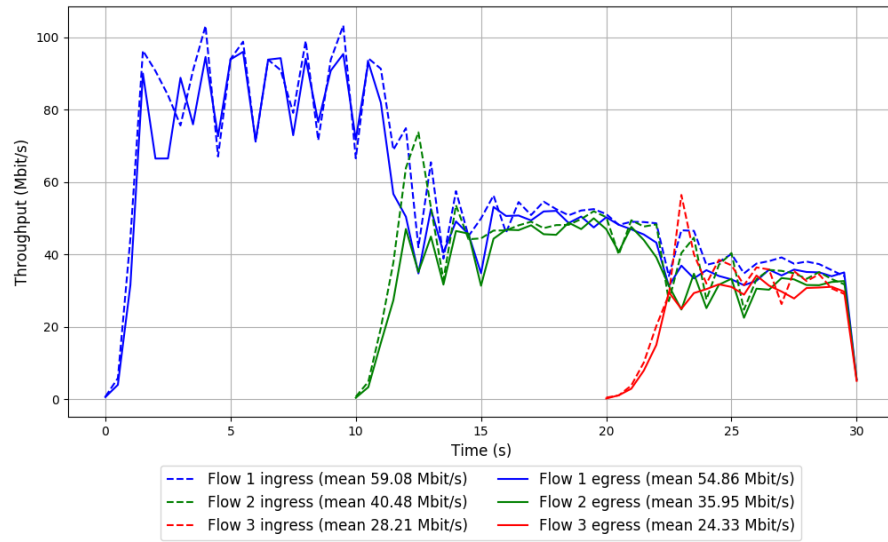


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 18:04:27
End at: 2018-02-16 18:04:57
Local clock offset: -2.155 ms
Remote clock offset: -10.107 ms

Below is generated by plot.py at 2018-02-16 18:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 113.870 ms
Loss rate: 8.87%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 113.845 ms
Loss rate: 7.07%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 113.893 ms
Loss rate: 11.14%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 13.74%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 14:53:05

End at: 2018-02-16 14:53:35

Local clock offset: -4.363 ms

Remote clock offset: -3.45 ms

Below is generated by plot.py at 2018-02-16 18:56:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.61 Mbit/s

95th percentile per-packet one-way delay: 109.032 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 107.312 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 109.889 ms

Loss rate: 0.72%

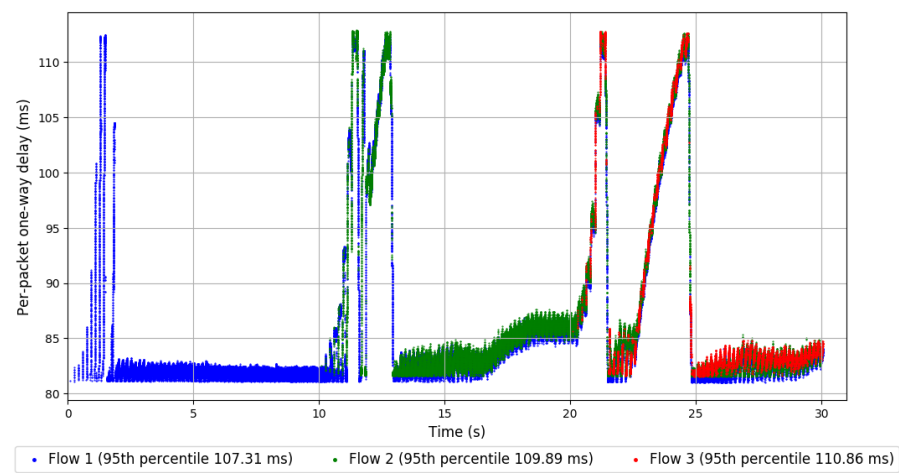
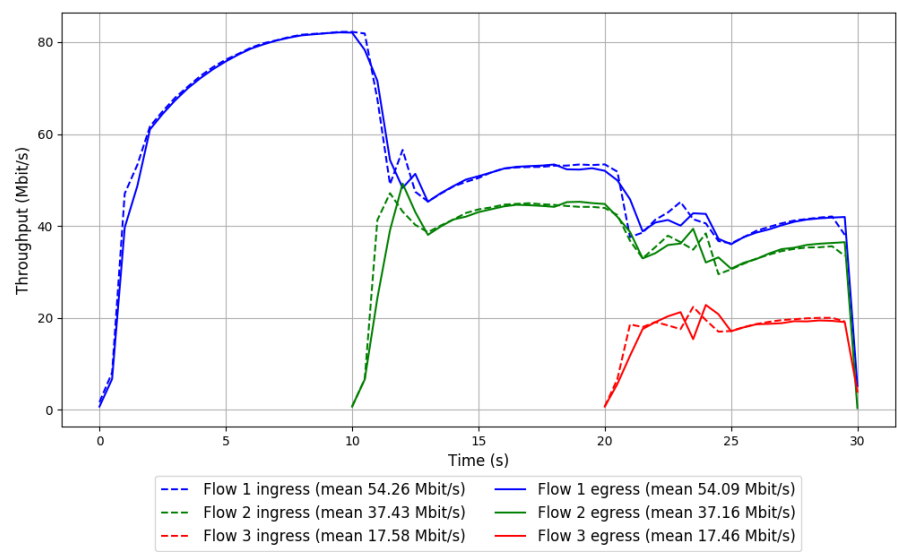
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 110.865 ms

Loss rate: 0.69%

Run 1: Report of TCP Cubic — Data Link

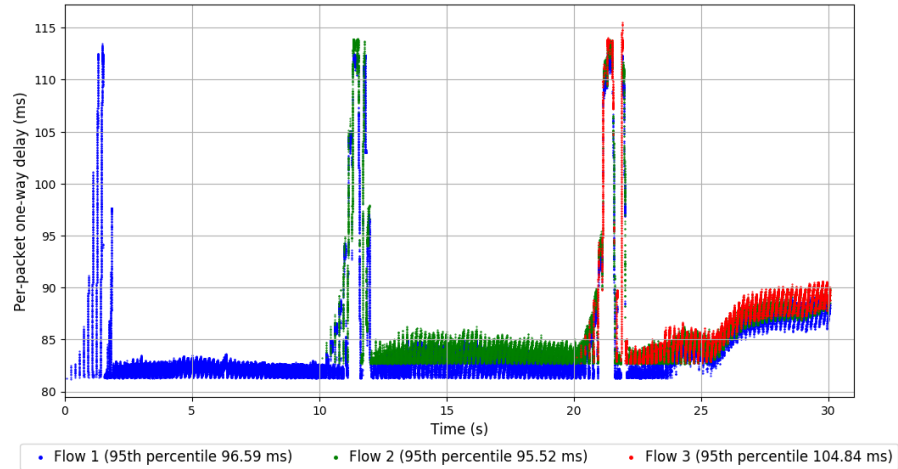
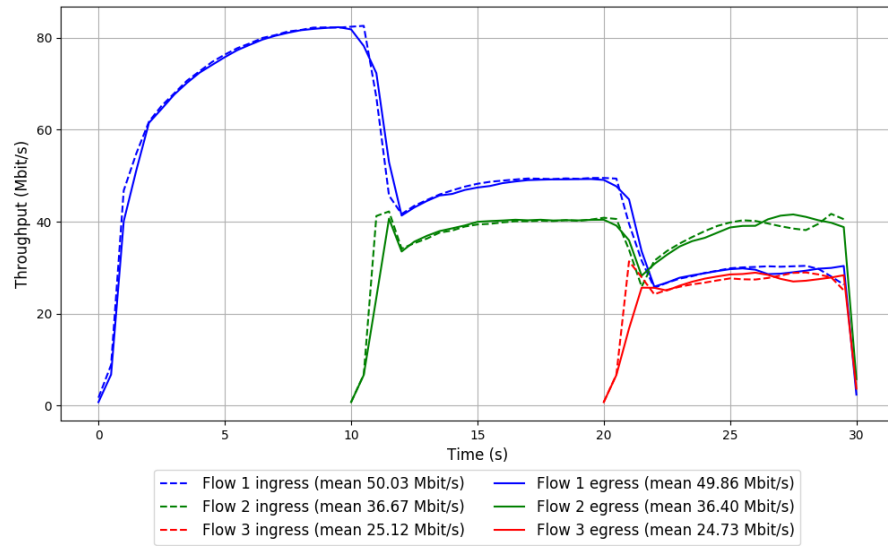


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 15:16:35
End at: 2018-02-16 15:17:05
Local clock offset: -6.975 ms
Remote clock offset: -3.524 ms

Below is generated by plot.py at 2018-02-16 18:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 96.814 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 96.591 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 95.516 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 104.842 ms
Loss rate: 1.50%

Run 2: Report of TCP Cubic — Data Link

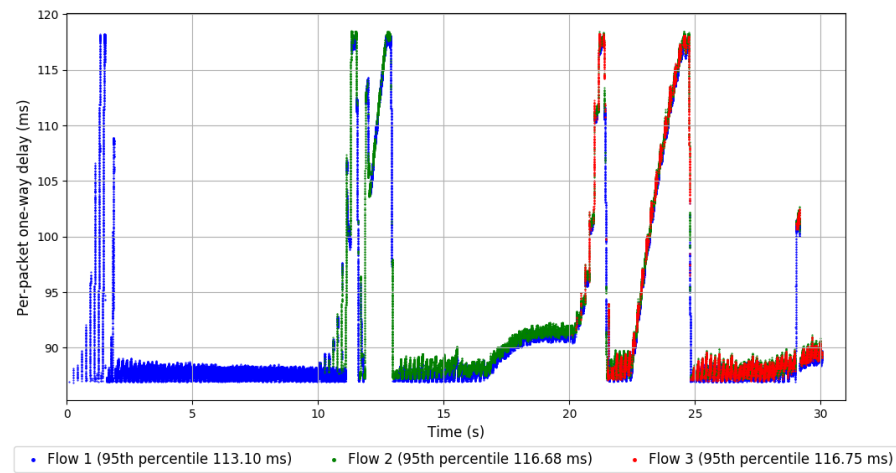
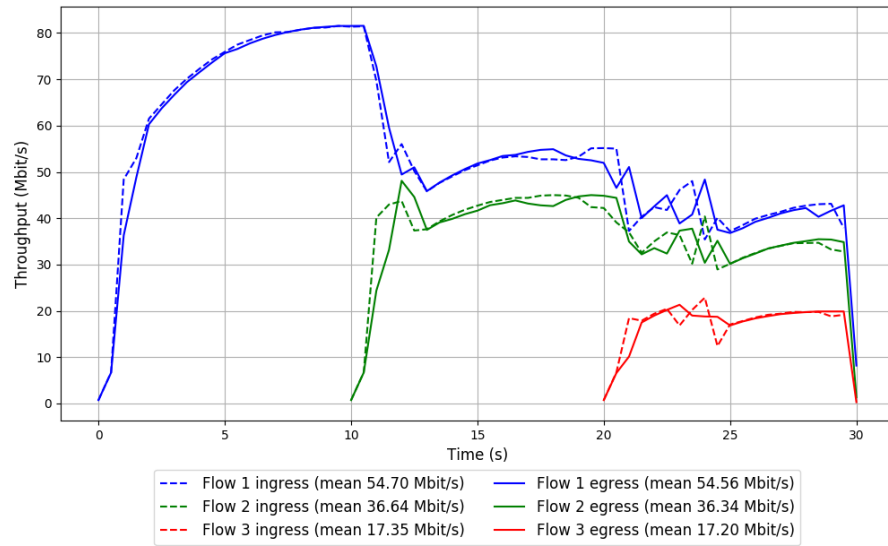


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 15:40:04
End at: 2018-02-16 15:40:34
Local clock offset: -5.201 ms
Remote clock offset: 2.087 ms

Below is generated by plot.py at 2018-02-16 18:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 114.706 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 113.097 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 116.679 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 116.752 ms
Loss rate: 0.86%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 16:03:39

End at: 2018-02-16 16:04:09

Local clock offset: -5.842 ms

Remote clock offset: 7.592 ms

Below is generated by plot.py at 2018-02-16 18:56:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 109.637 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 53.23 Mbit/s

95th percentile per-packet one-way delay: 106.945 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 37.86 Mbit/s

95th percentile per-packet one-way delay: 111.598 ms

Loss rate: 0.80%

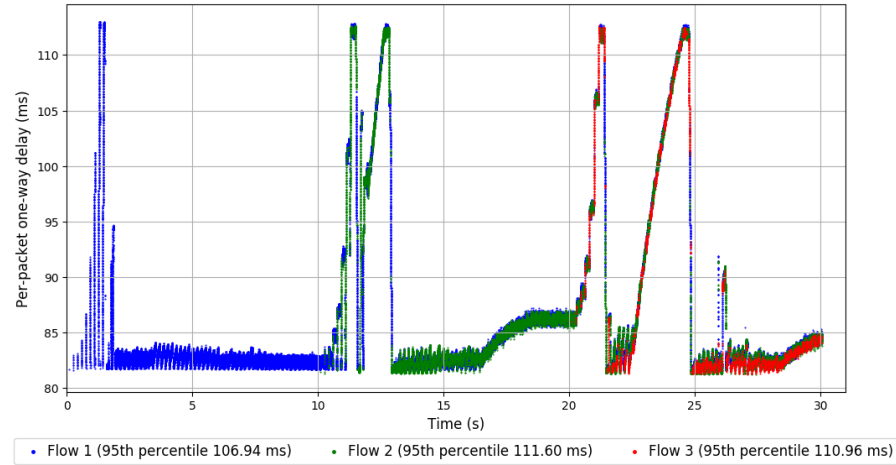
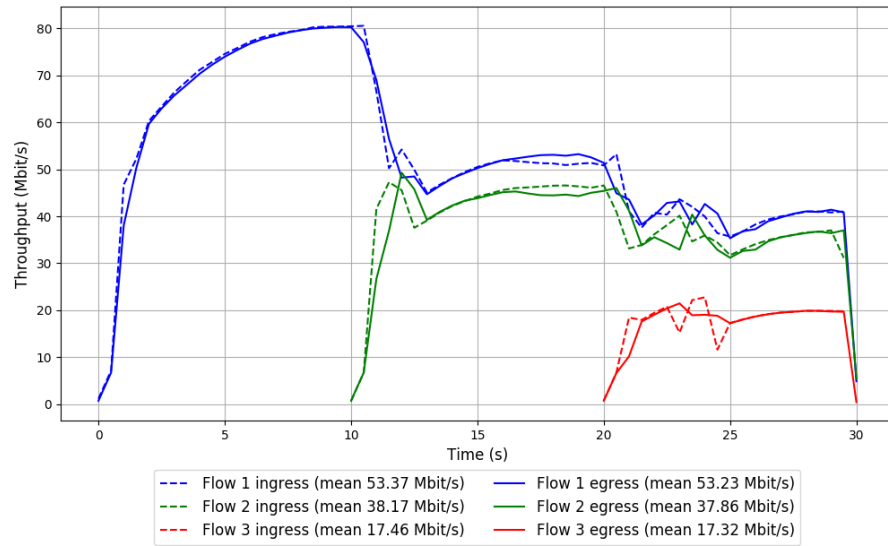
-- Flow 3:

Average throughput: 17.32 Mbit/s

95th percentile per-packet one-way delay: 110.961 ms

Loss rate: 0.82%

Run 4: Report of TCP Cubic — Data Link

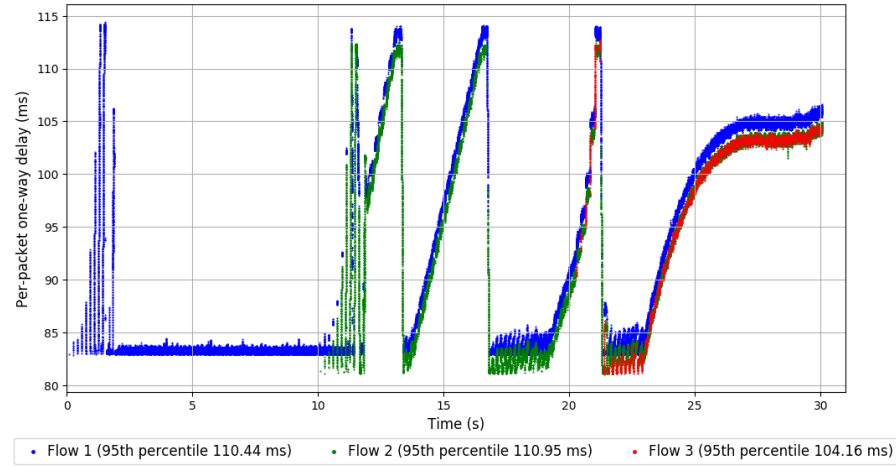
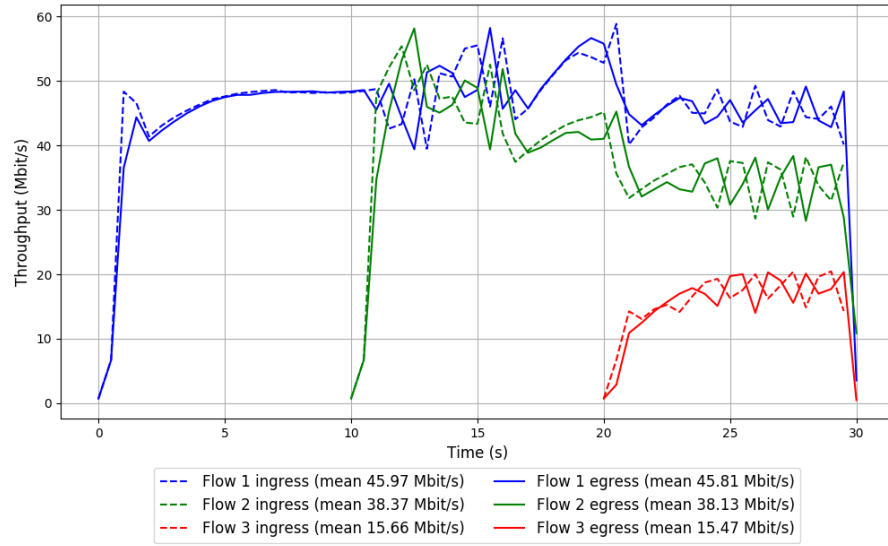


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 16:27:12
End at: 2018-02-16 16:27:42
Local clock offset: -7.275 ms
Remote clock offset: 11.821 ms

Below is generated by plot.py at 2018-02-16 18:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 110.521 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 110.444 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 110.955 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 104.156 ms
Loss rate: 1.06%

Run 5: Report of TCP Cubic — Data Link

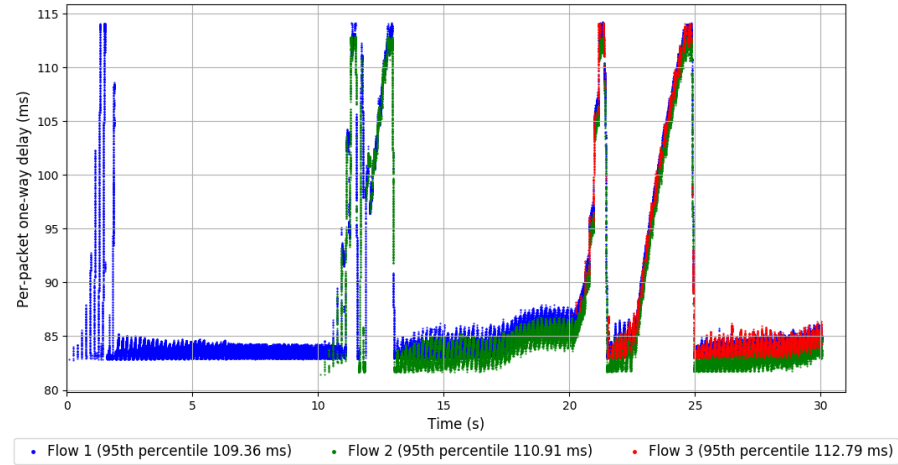
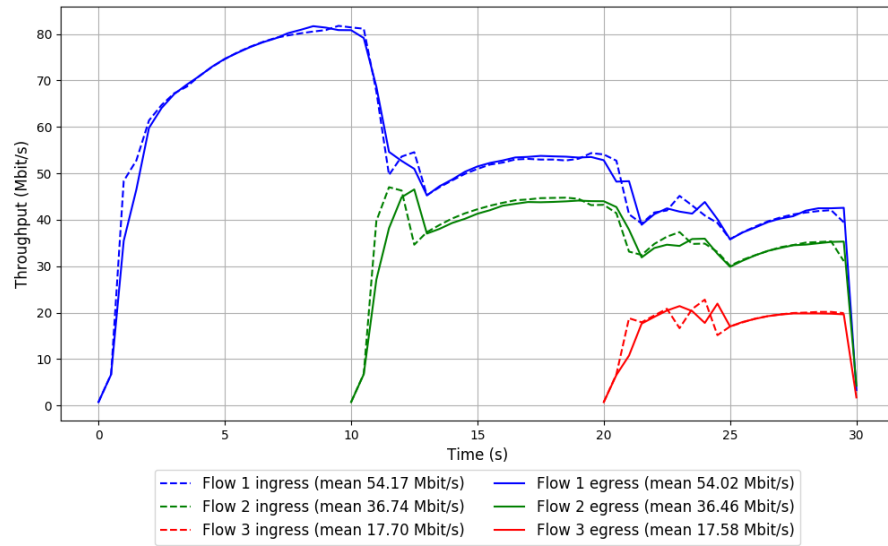


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 16:51:04
End at: 2018-02-16 16:51:34
Local clock offset: -5.902 ms
Remote clock offset: 14.146 ms

Below is generated by plot.py at 2018-02-16 18:56:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 110.268 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 109.364 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 110.913 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 112.786 ms
Loss rate: 0.75%

Run 6: Report of TCP Cubic — Data Link

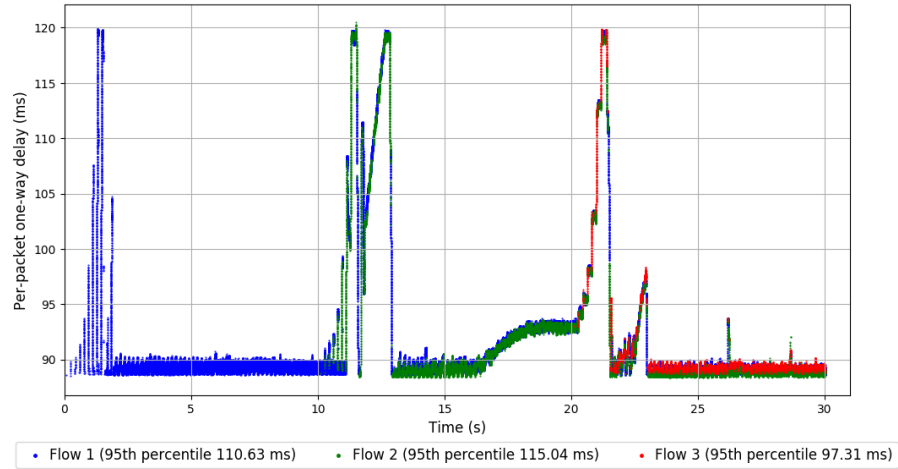
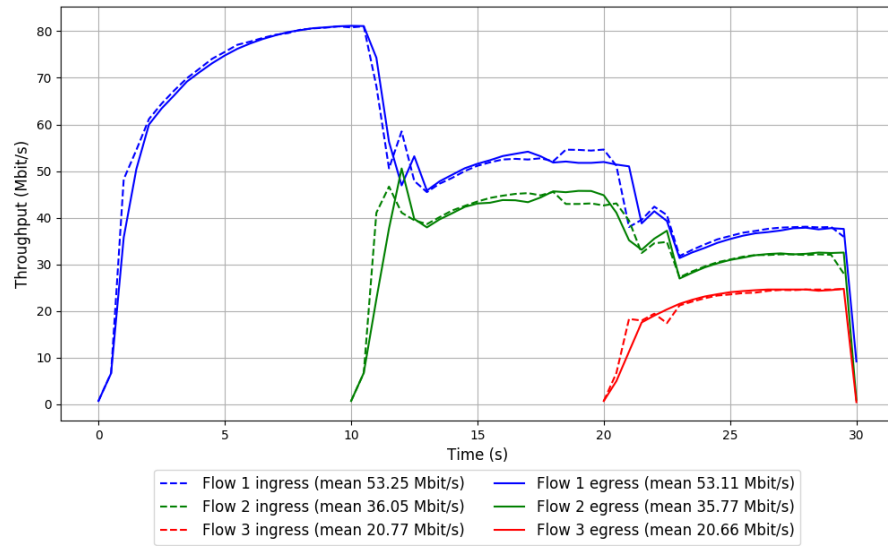


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 17:14:48
End at: 2018-02-16 17:15:18
Local clock offset: -6.15 ms
Remote clock offset: 17.004 ms

Below is generated by plot.py at 2018-02-16 18:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 112.003 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 53.11 Mbit/s
95th percentile per-packet one-way delay: 110.628 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 115.042 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 97.307 ms
Loss rate: 0.76%

Run 7: Report of TCP Cubic — Data Link

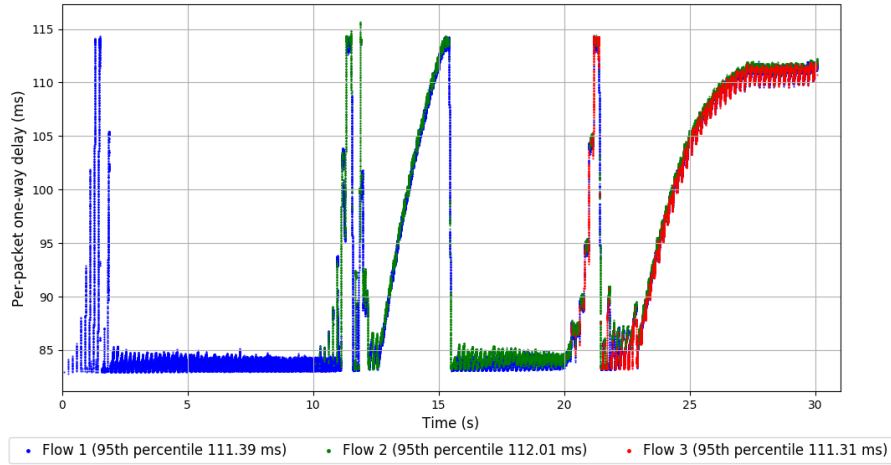
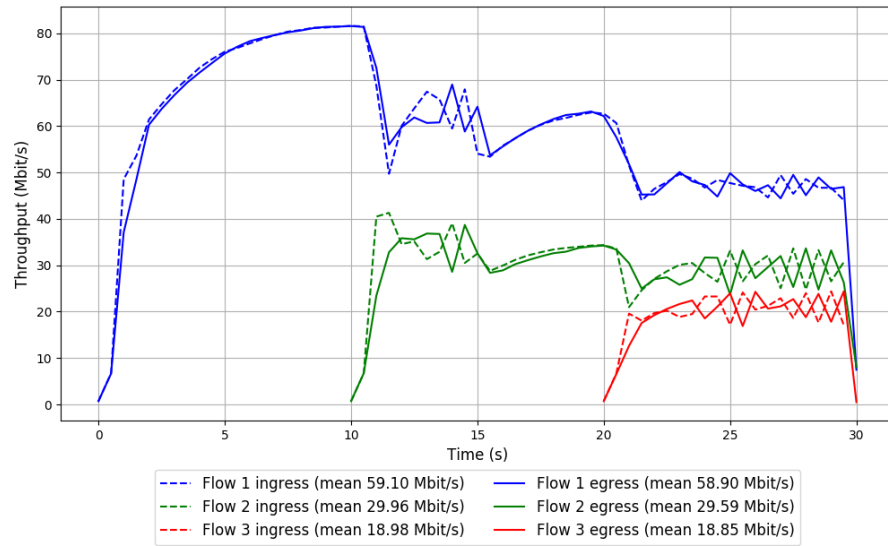


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 17:38:17
End at: 2018-02-16 17:38:47
Local clock offset: -6.464 ms
Remote clock offset: -6.015 ms

Below is generated by plot.py at 2018-02-16 18:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 111.584 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 111.388 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 112.014 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 0.42%

Run 8: Report of TCP Cubic — Data Link

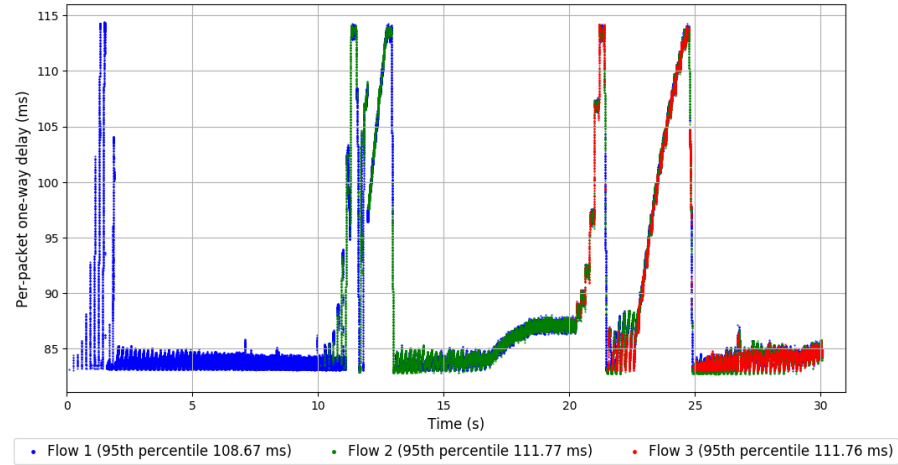
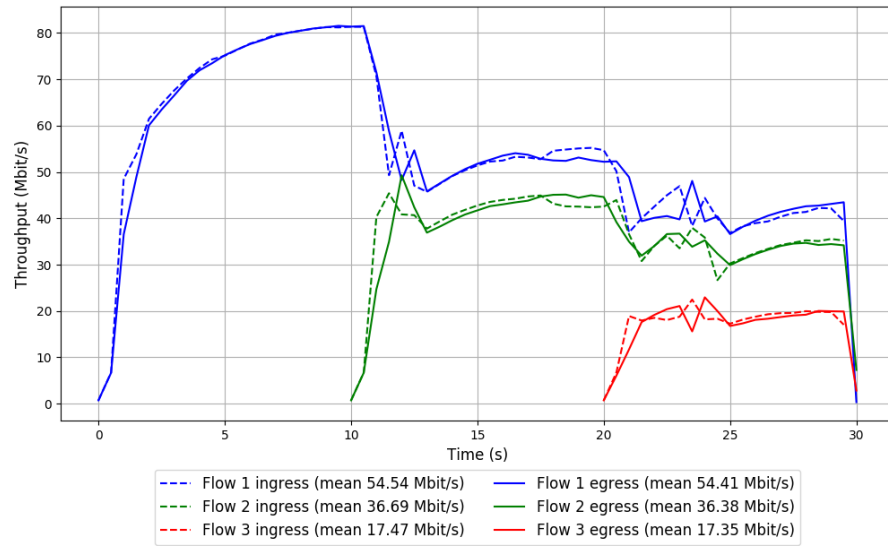


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 18:01:47
End at: 2018-02-16 18:02:17
Local clock offset: -2.372 ms
Remote clock offset: -11.347 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 110.386 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 108.669 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 111.768 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 111.760 ms
Loss rate: 0.70%

Run 9: Report of TCP Cubic — Data Link

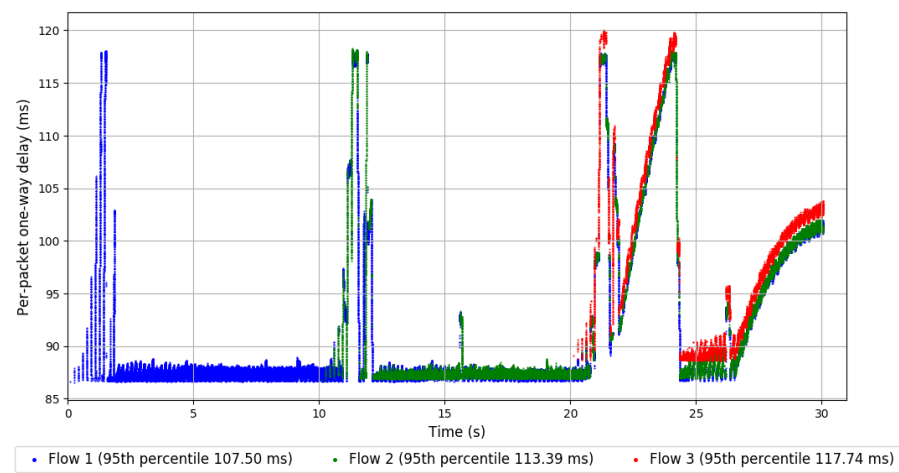
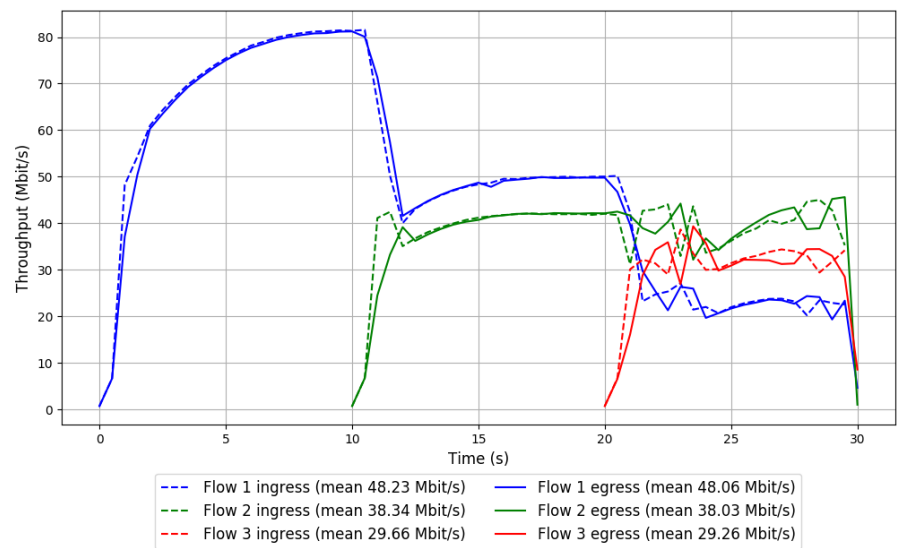


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 18:25:36
End at: 2018-02-16 18:26:06
Local clock offset: -3.99 ms
Remote clock offset: -3.417 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.12 Mbit/s
95th percentile per-packet one-way delay: 112.970 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 107.504 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 113.390 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 117.741 ms
Loss rate: 1.18%

Run 10: Report of TCP Cubic — Data Link

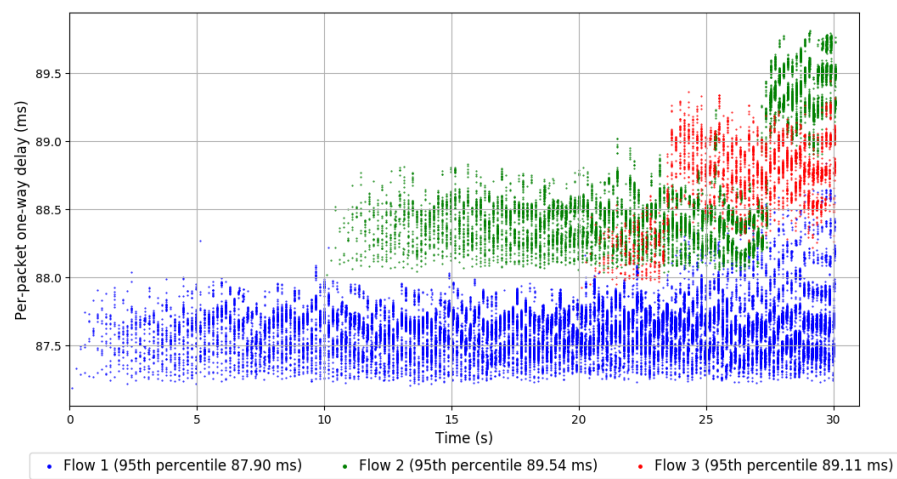
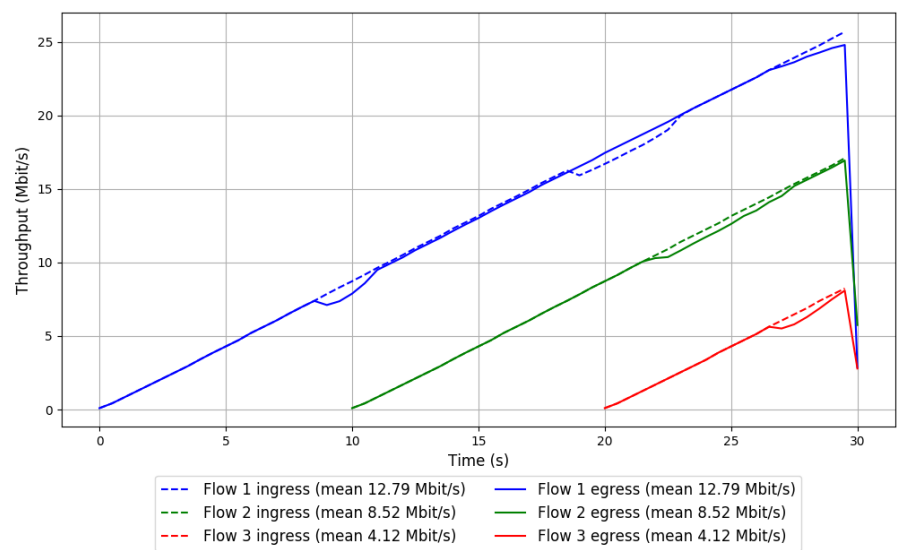


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 14:38:31
End at: 2018-02-16 14:39:01
Local clock offset: -3.601 ms
Remote clock offset: 2.927 ms

# Below is generated by plot.py at 2018-02-16 18:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 89.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 87.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 89.110 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

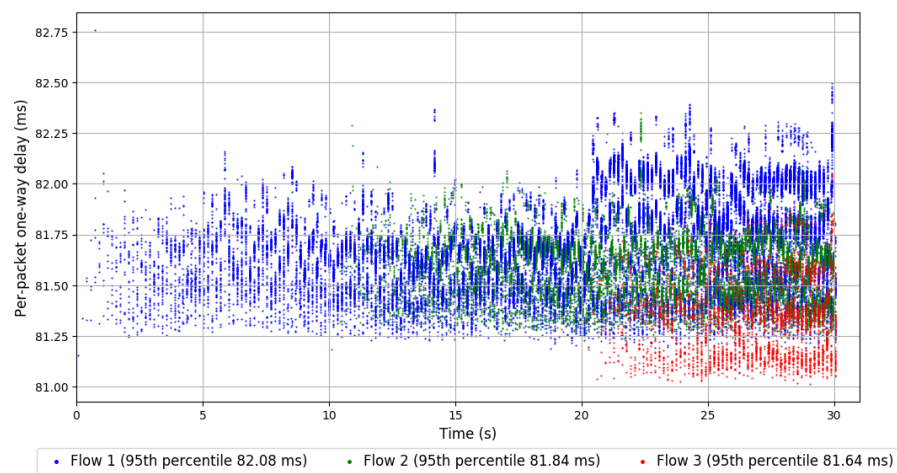
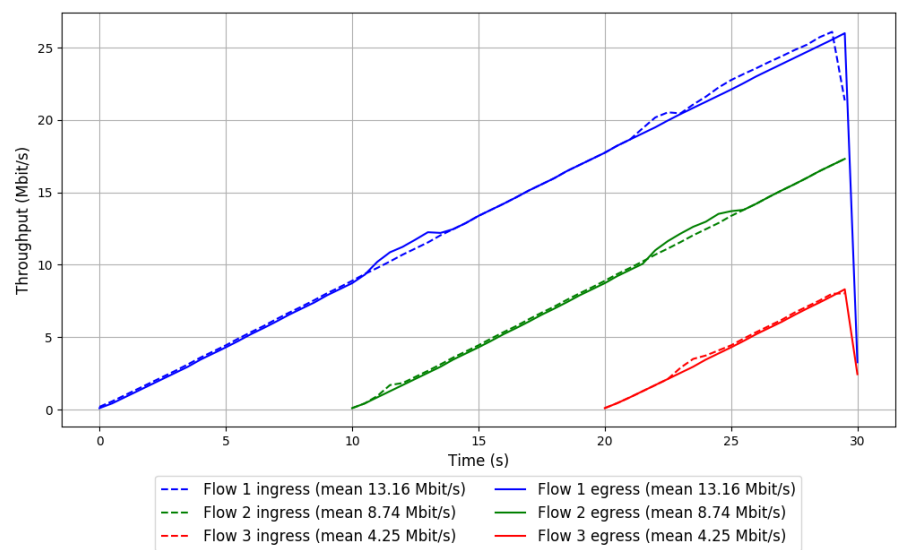


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 15:02:24
End at: 2018-02-16 15:02:54
Local clock offset: -6.129 ms
Remote clock offset: -3.354 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 82.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 82.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 81.841 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 81.644 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

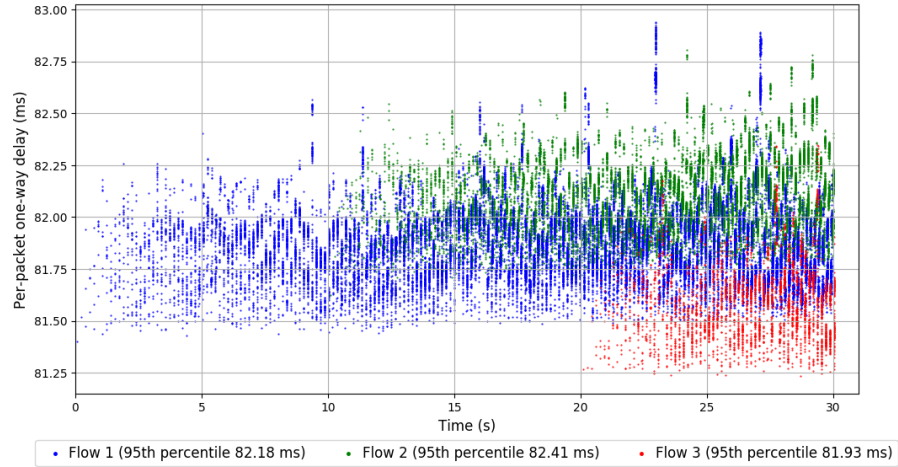
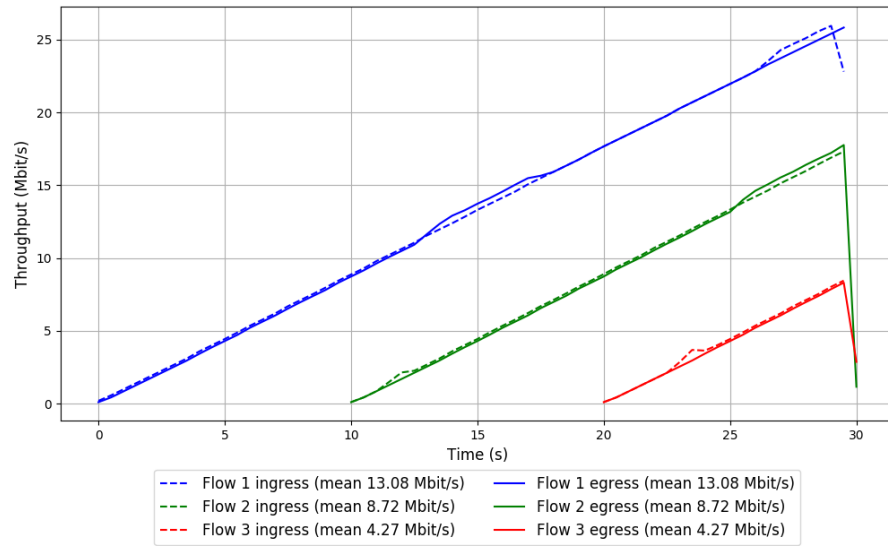


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 15:25:54
End at: 2018-02-16 15:26:24
Local clock offset: -6.781 ms
Remote clock offset: -3.569 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 82.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 82.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 82.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 81.926 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 15:49:25

End at: 2018-02-16 15:49:55

Local clock offset: -4.809 ms

Remote clock offset: 8.834 ms

Below is generated by plot.py at 2018-02-16 18:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 89.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 89.259 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 89.099 ms

Loss rate: 0.00%

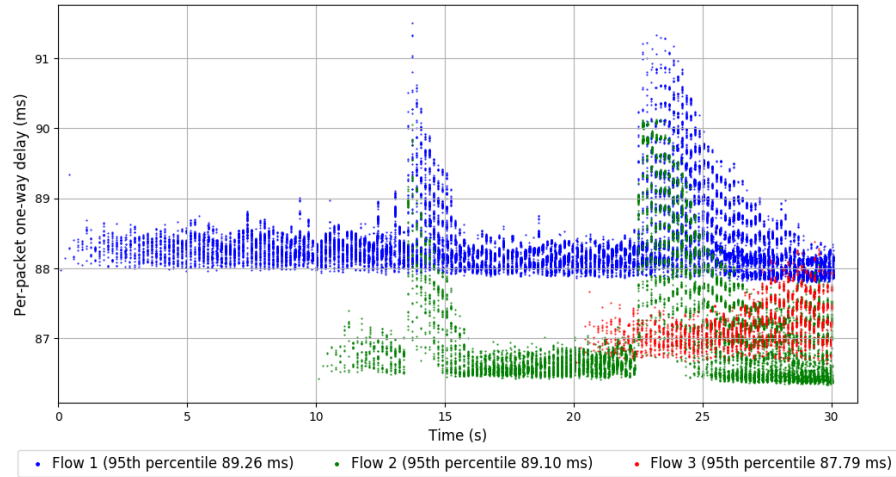
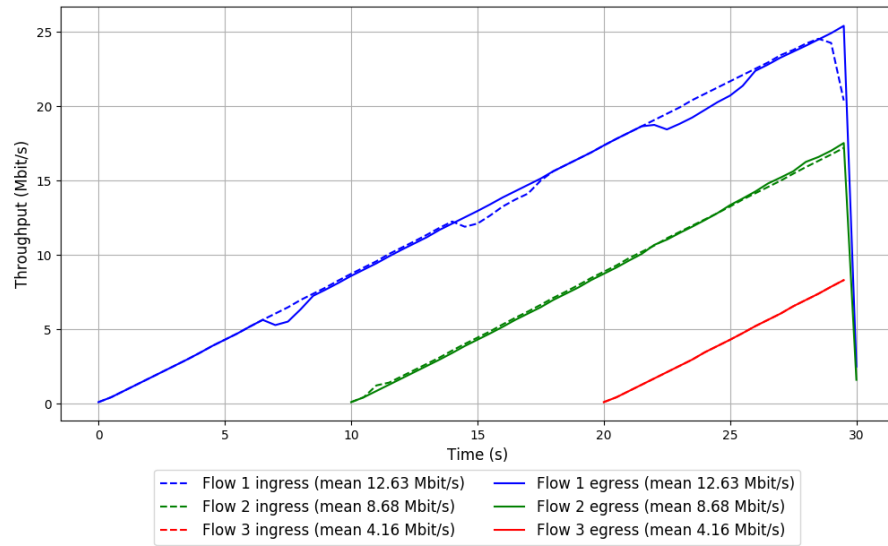
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 87.790 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 16:12:58

End at: 2018-02-16 16:13:28

Local clock offset: -6.765 ms

Remote clock offset: 9.176 ms

Below is generated by plot.py at 2018-02-16 18:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.71 Mbit/s

95th percentile per-packet one-way delay: 84.939 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 85.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 84.420 ms

Loss rate: 0.00%

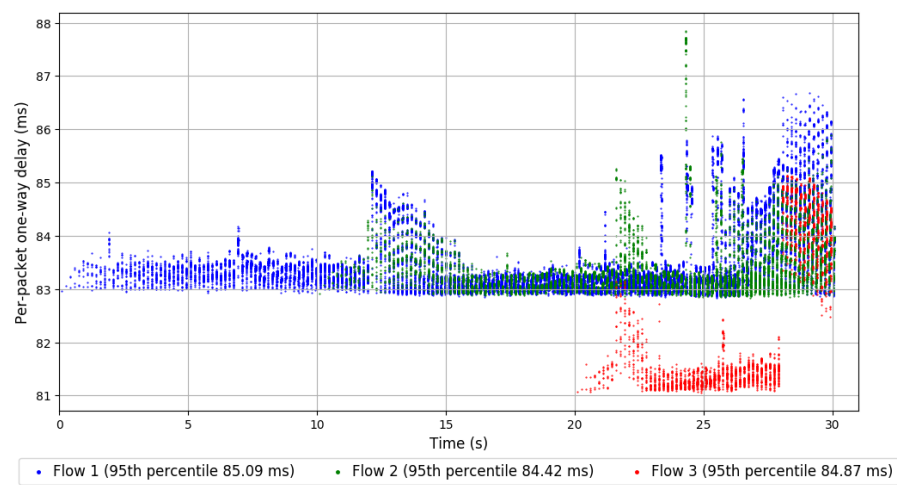
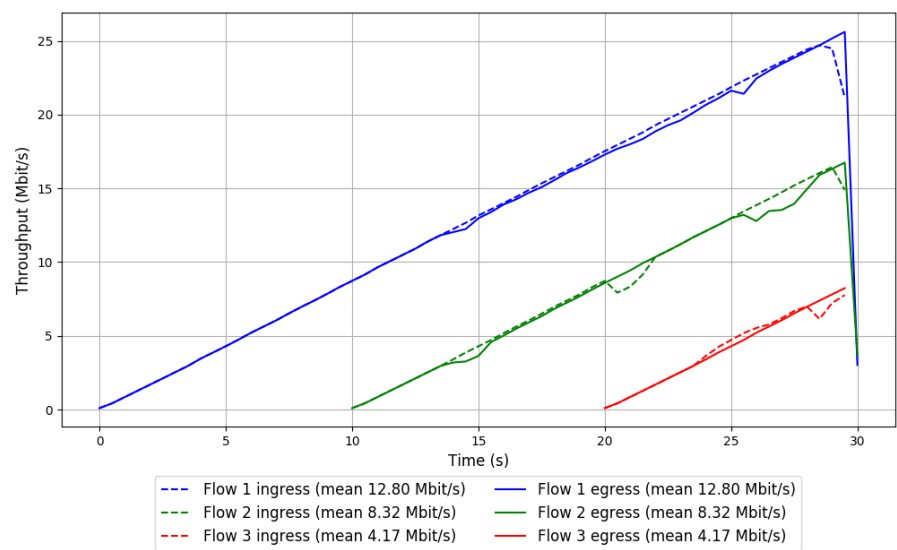
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 84.874 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

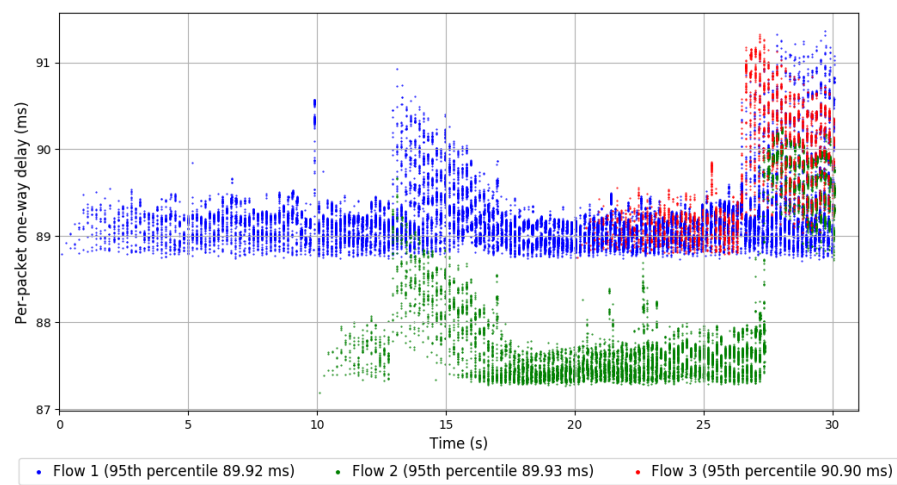
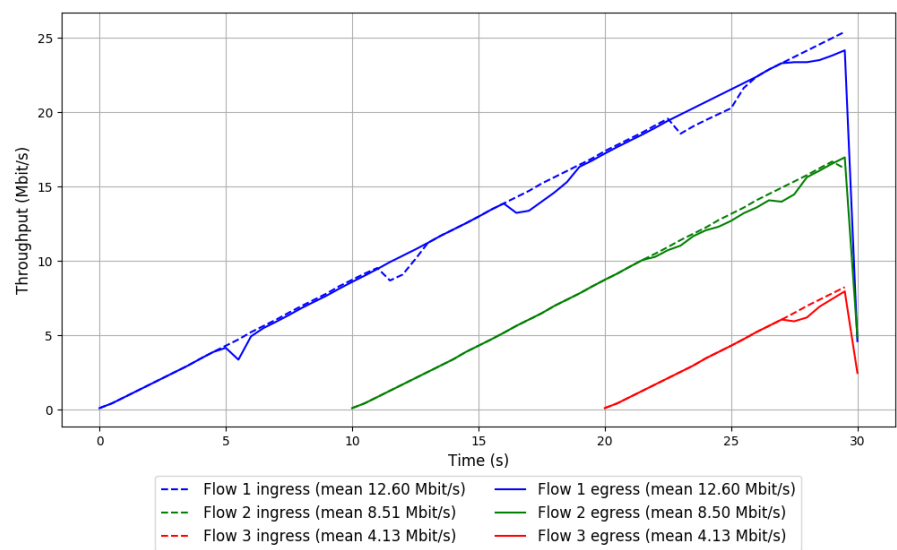


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 16:36:50
End at: 2018-02-16 16:37:20
Local clock offset: -6.756 ms
Remote clock offset: 19.096 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 90.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 89.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 89.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 90.899 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

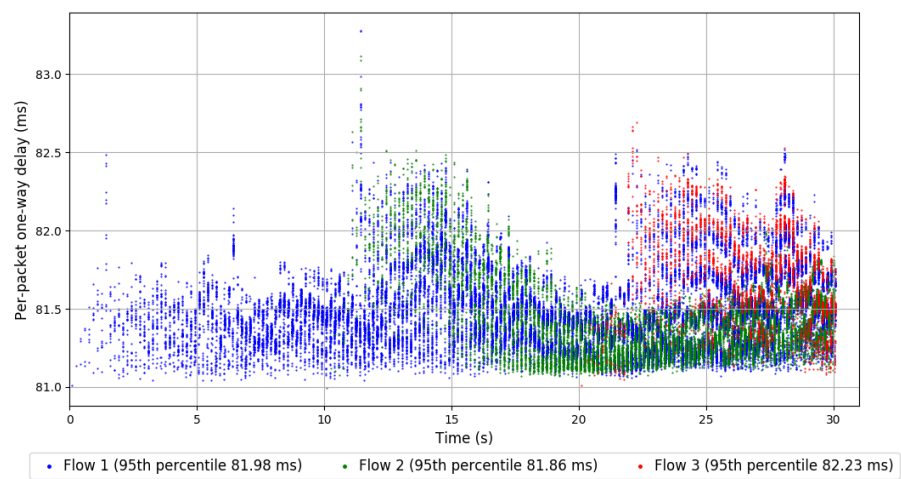
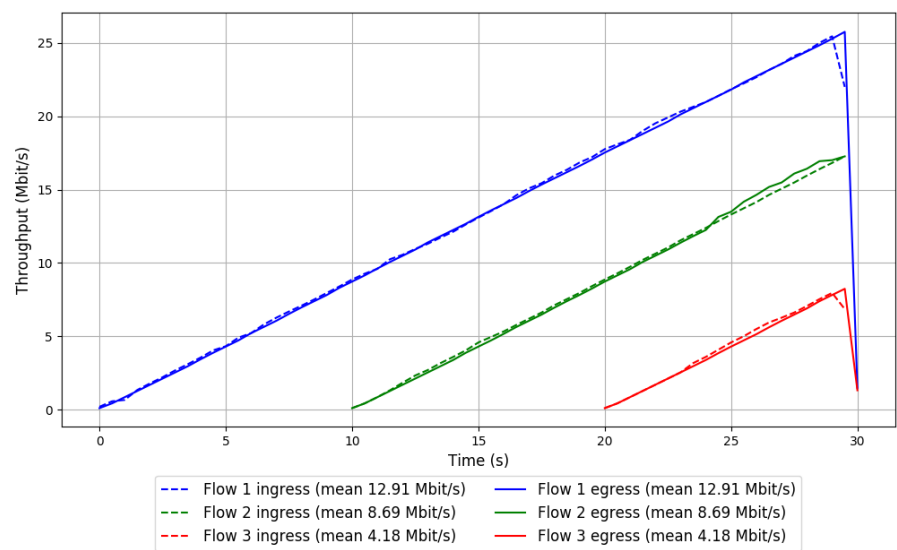


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 17:00:37
End at: 2018-02-16 17:01:07
Local clock offset: -5.675 ms
Remote clock offset: 11.935 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 82.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 81.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 81.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 82.234 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

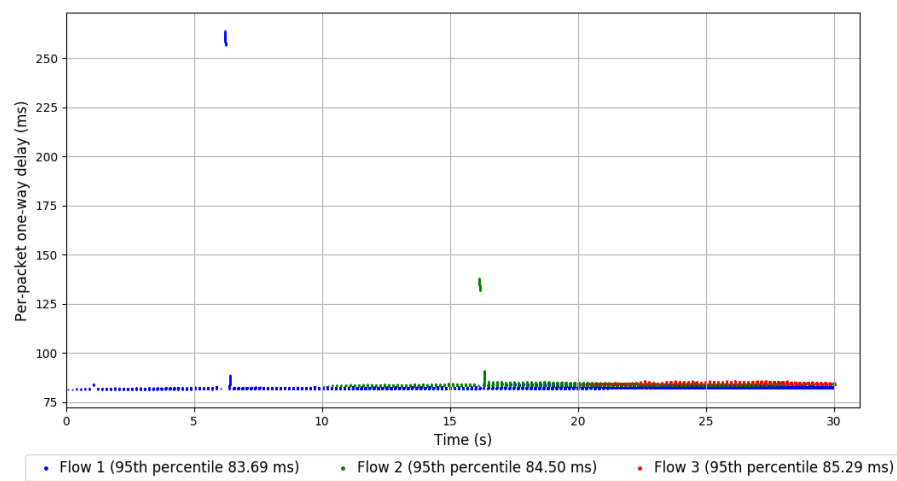
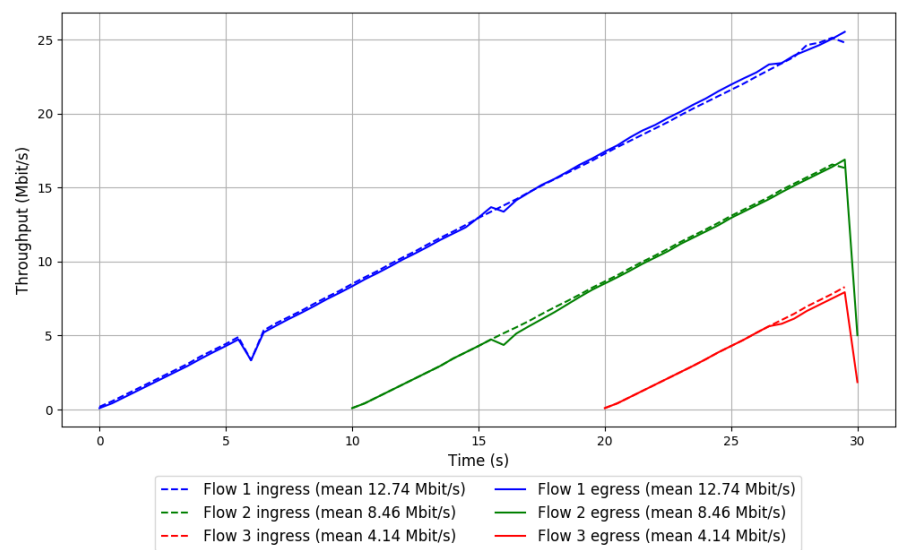


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 17:24:07
End at: 2018-02-16 17:24:37
Local clock offset: -6.311 ms
Remote clock offset: 10.402 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 84.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 83.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 84.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 85.292 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

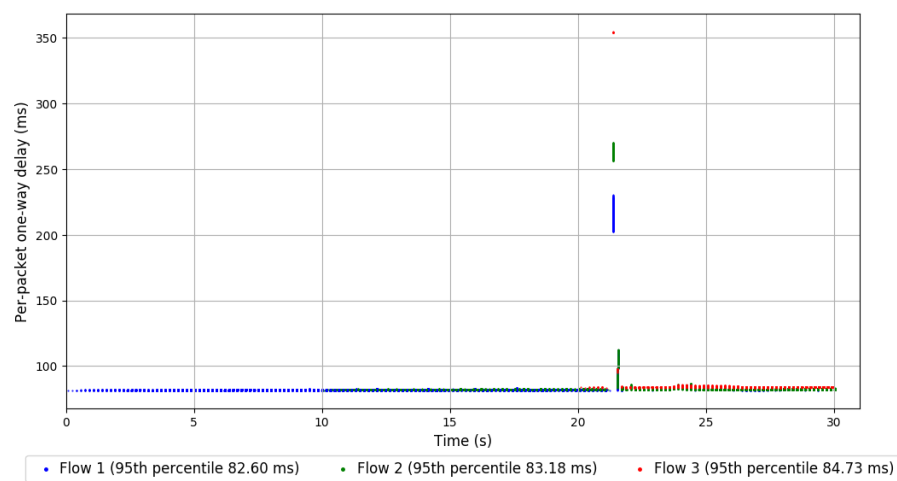
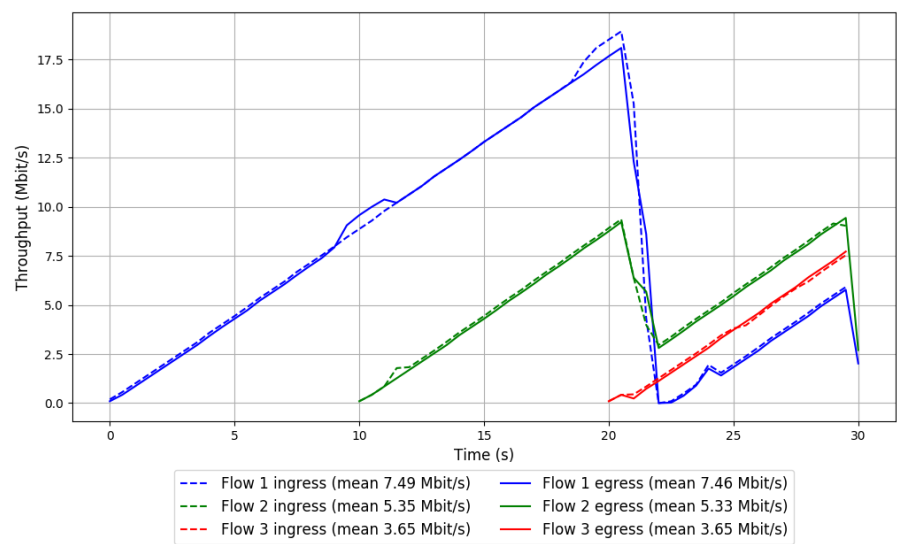


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 17:47:36
End at: 2018-02-16 17:48:06
Local clock offset: -4.379 ms
Remote clock offset: -10.755 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 83.971 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 82.596 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 83.177 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 84.733 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

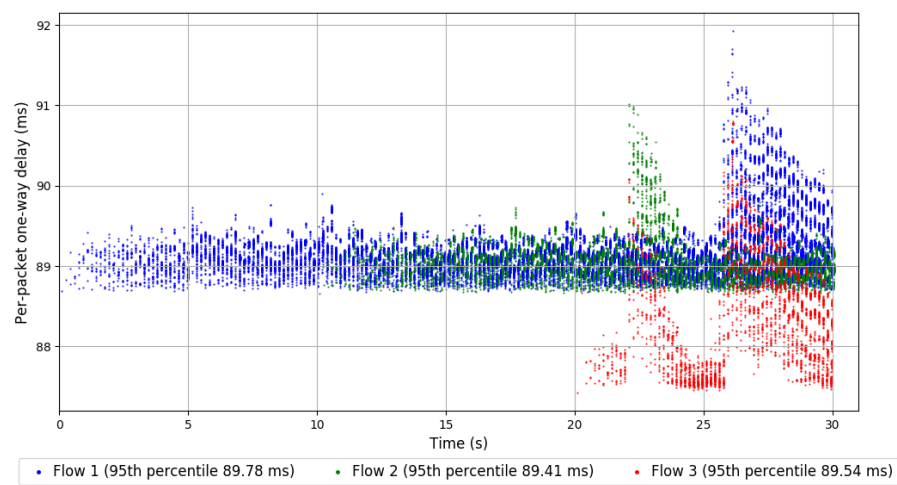
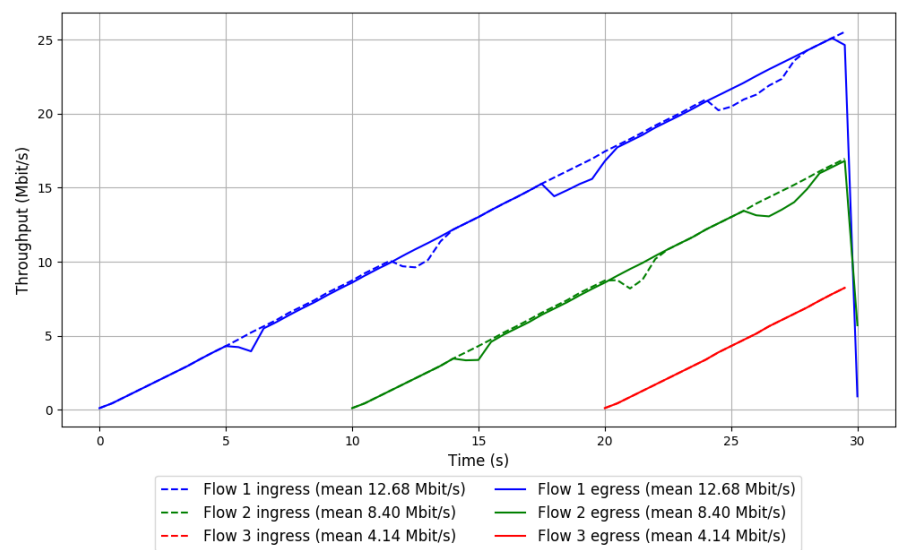


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 18:11:26
End at: 2018-02-16 18:11:56
Local clock offset: -1.623 ms
Remote clock offset: -2.842 ms

Below is generated by plot.py at 2018-02-16 18:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 89.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 89.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 89.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 89.540 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

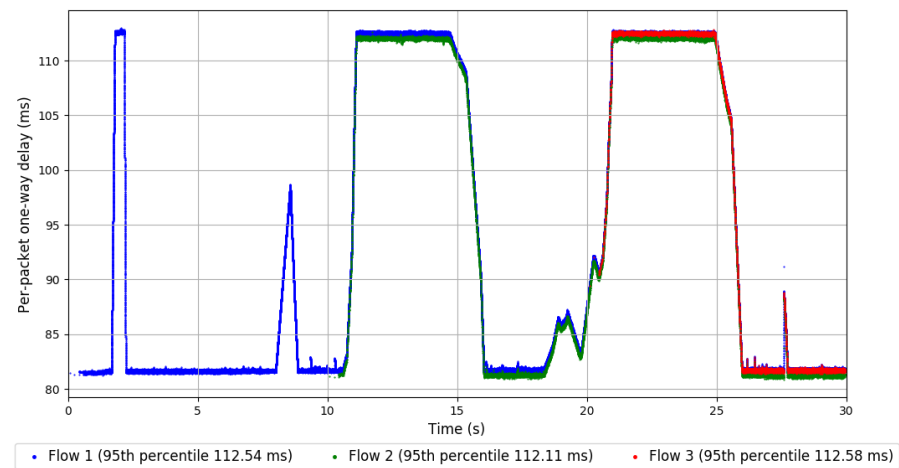
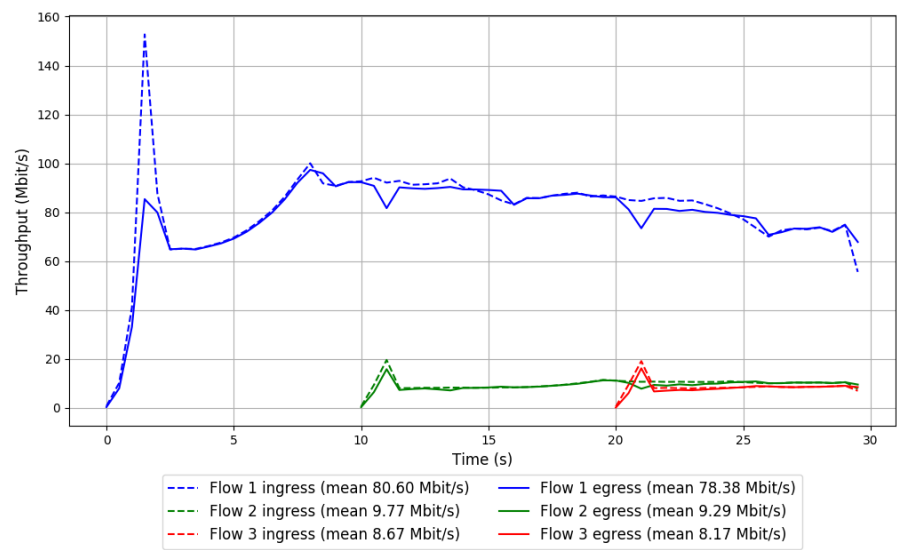


Run 1: Statistics of PCC

Start at: 2018-02-16 14:43:41
End at: 2018-02-16 14:44:11
Local clock offset: -3.354 ms
Remote clock offset: -3.568 ms

Below is generated by plot.py at 2018-02-16 18:58:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 112.538 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 112.542 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 112.115 ms
Loss rate: 4.88%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 112.576 ms
Loss rate: 5.87%

Run 1: Report of PCC — Data Link

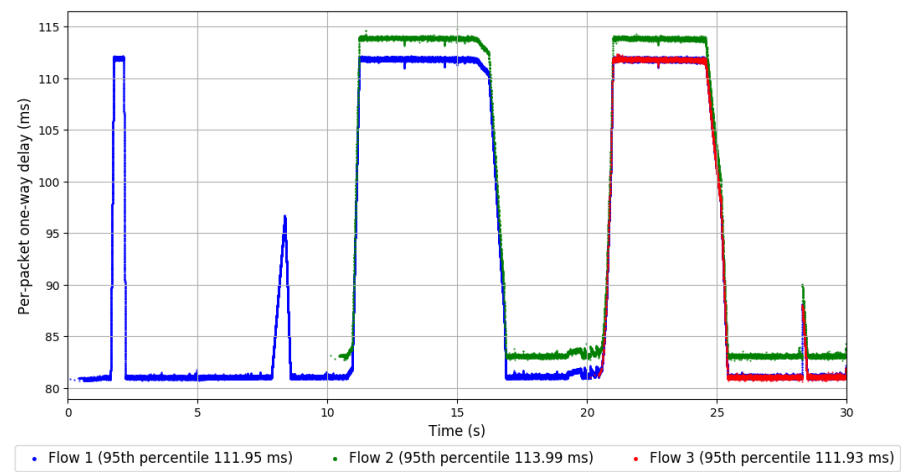
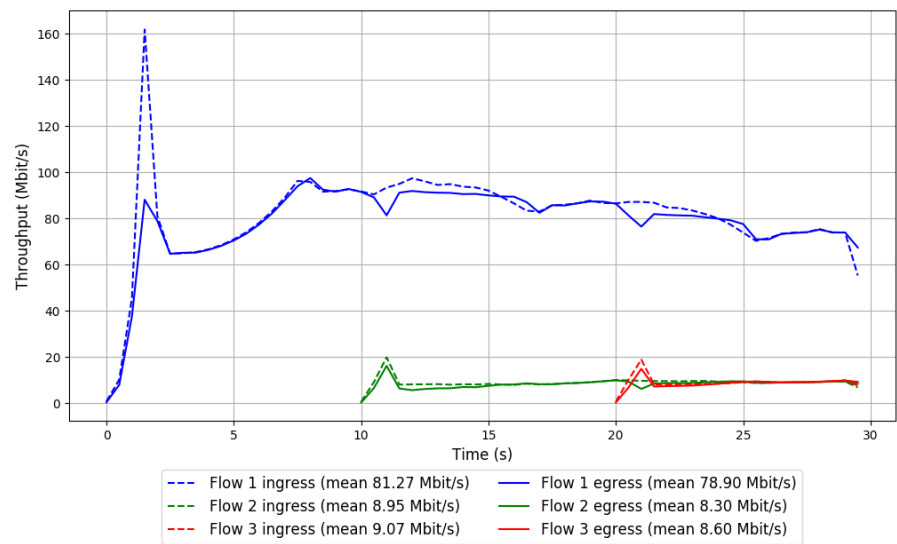


Run 2: Statistics of PCC

Start at: 2018-02-16 15:07:33
End at: 2018-02-16 15:08:03
Local clock offset: -6.532 ms
Remote clock offset: -3.473 ms

Below is generated by plot.py at 2018-02-16 18:58:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 111.951 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 113.989 ms
Loss rate: 7.24%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 111.934 ms
Loss rate: 5.14%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 15:31:03

End at: 2018-02-16 15:31:33

Local clock offset: -5.961 ms

Remote clock offset: 2.133 ms

Below is generated by plot.py at 2018-02-16 18:58:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.98 Mbit/s

95th percentile per-packet one-way delay: 118.161 ms

Loss rate: 2.43%

-- Flow 1:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 118.128 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 119.319 ms

Loss rate: 3.46%

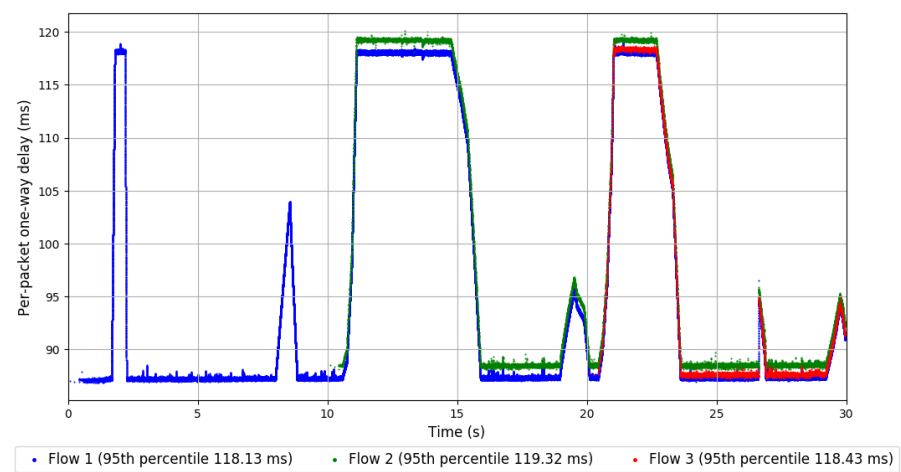
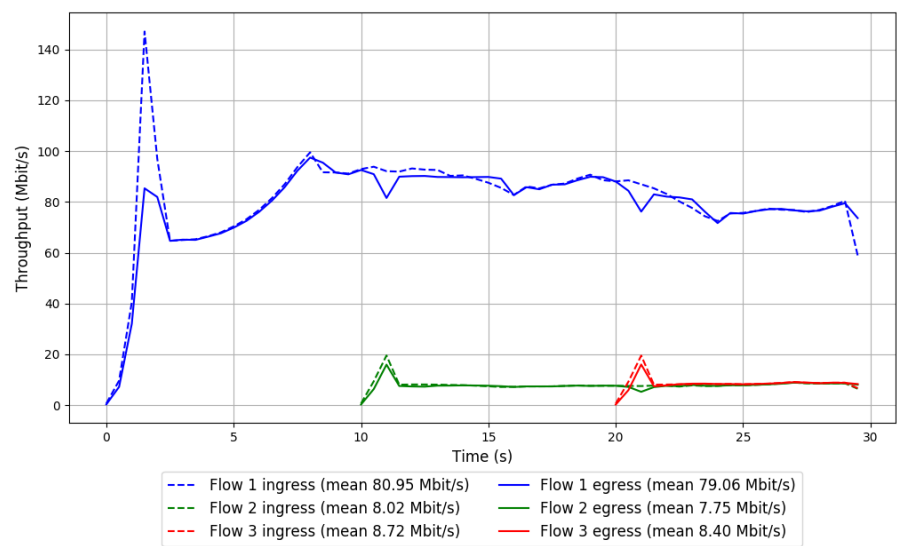
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 118.433 ms

Loss rate: 3.68%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-16 15:54:35

End at: 2018-02-16 15:55:05

Local clock offset: -4.624 ms

Remote clock offset: 5.245 ms

Below is generated by plot.py at 2018-02-16 18:58:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 112.521 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 2.45%

-- Flow 2:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 113.642 ms

Loss rate: 3.50%

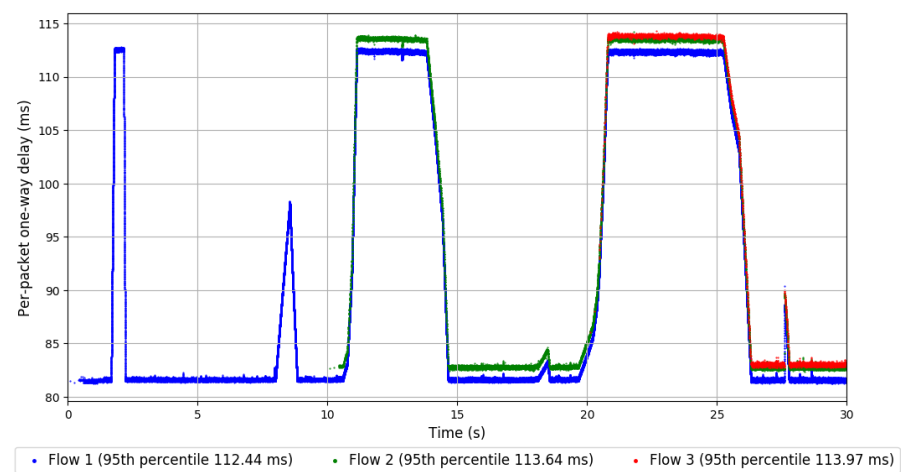
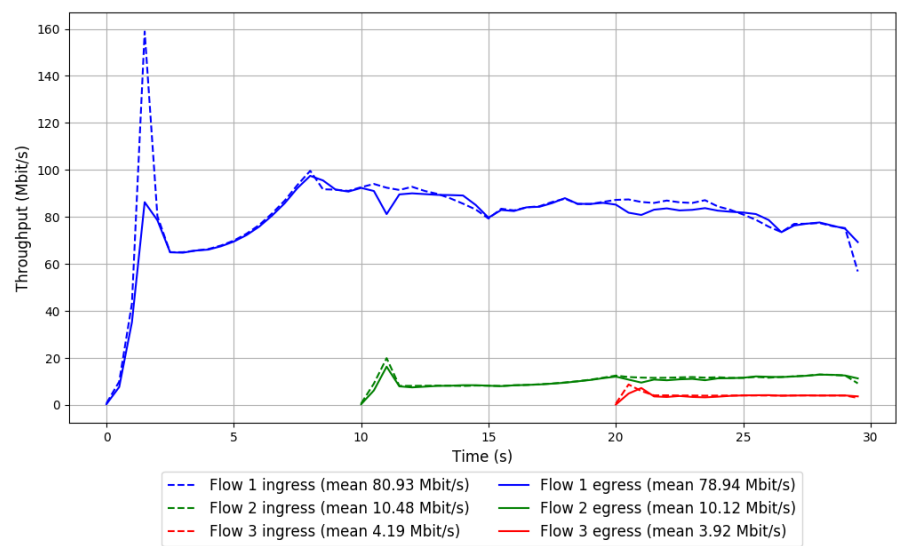
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 113.965 ms

Loss rate: 6.54%

Run 4: Report of PCC — Data Link

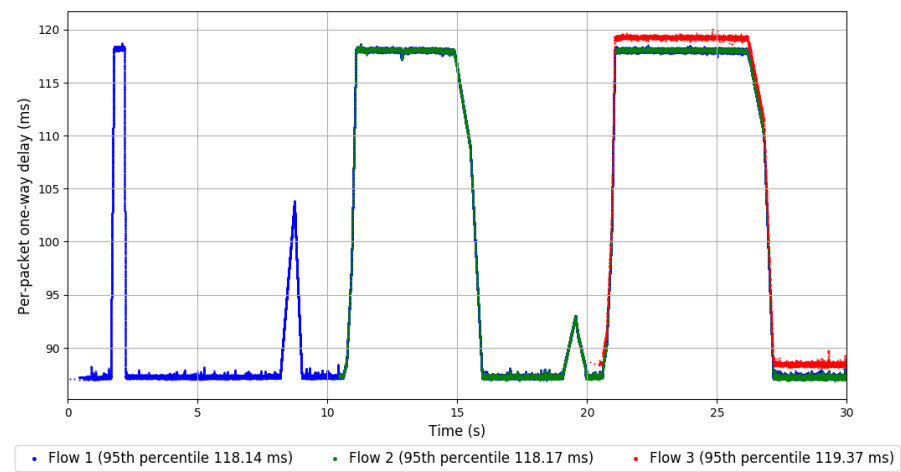
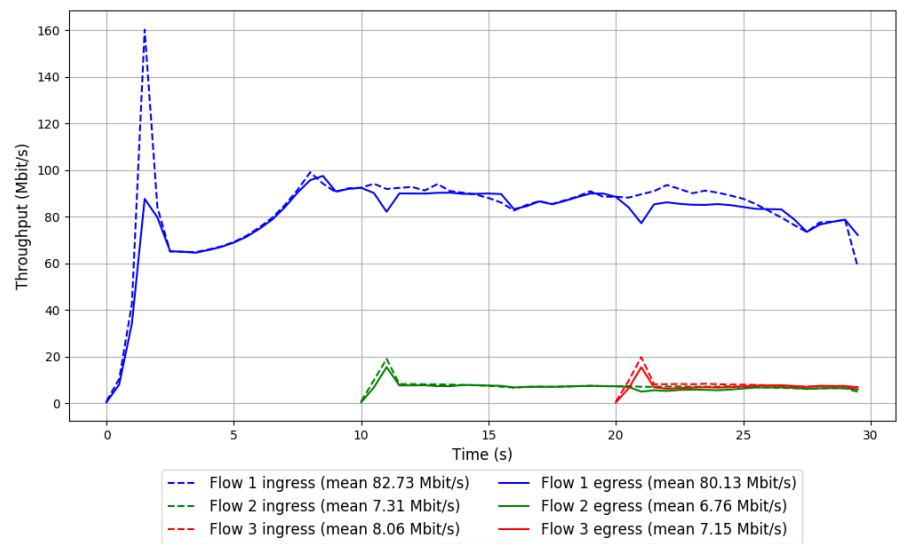


Run 5: Statistics of PCC

Start at: 2018-02-16 16:18:07
End at: 2018-02-16 16:18:37
Local clock offset: -7.073 ms
Remote clock offset: 15.774 ms

Below is generated by plot.py at 2018-02-16 18:59:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 118.159 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 118.135 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 118.168 ms
Loss rate: 7.42%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 119.370 ms
Loss rate: 11.25%

Run 5: Report of PCC — Data Link

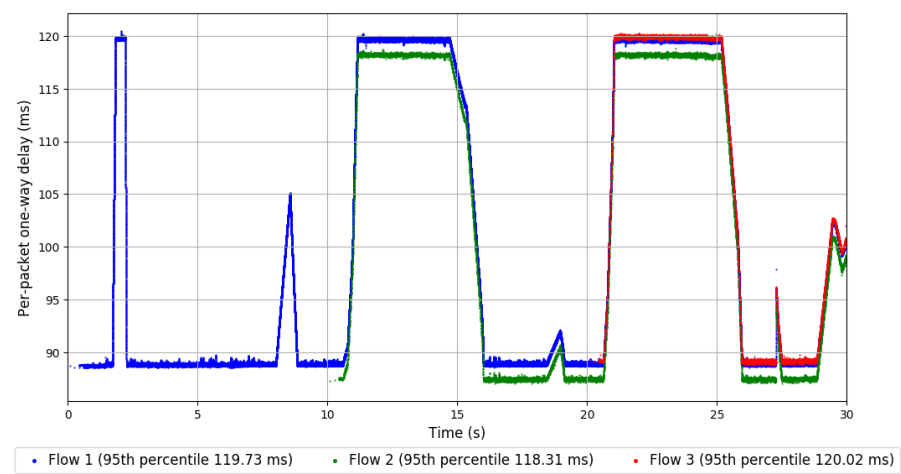
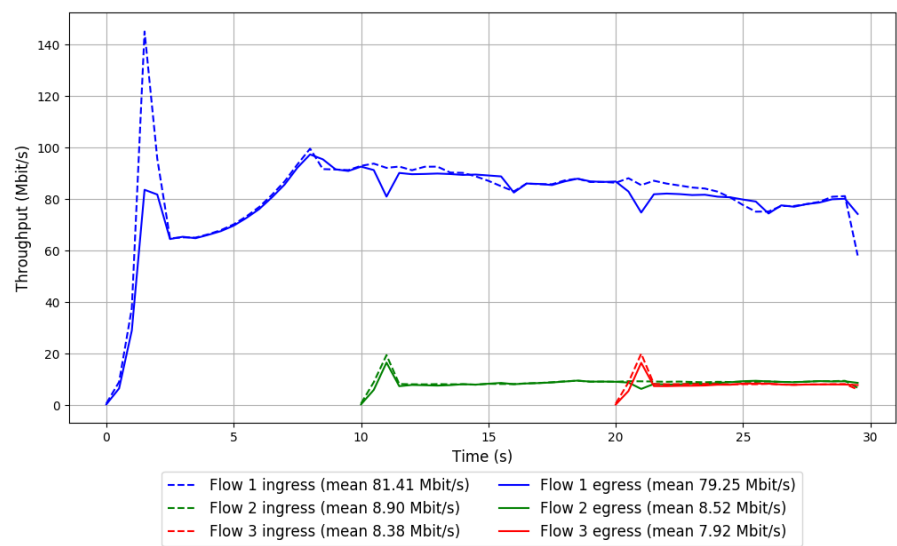


Run 6: Statistics of PCC

Start at: 2018-02-16 16:42:00
End at: 2018-02-16 16:42:30
Local clock offset: -6.251 ms
Remote clock offset: 19.885 ms

Below is generated by plot.py at 2018-02-16 18:59:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 119.745 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 119.734 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 118.311 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 120.019 ms
Loss rate: 5.40%

Run 6: Report of PCC — Data Link

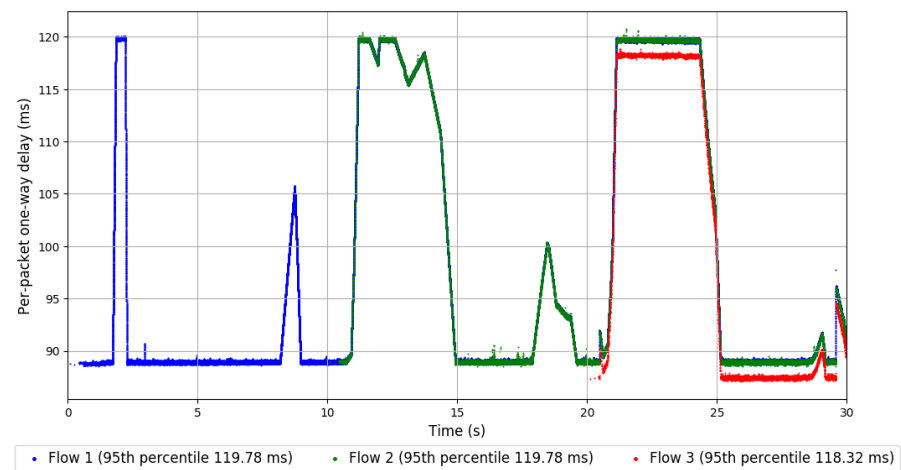
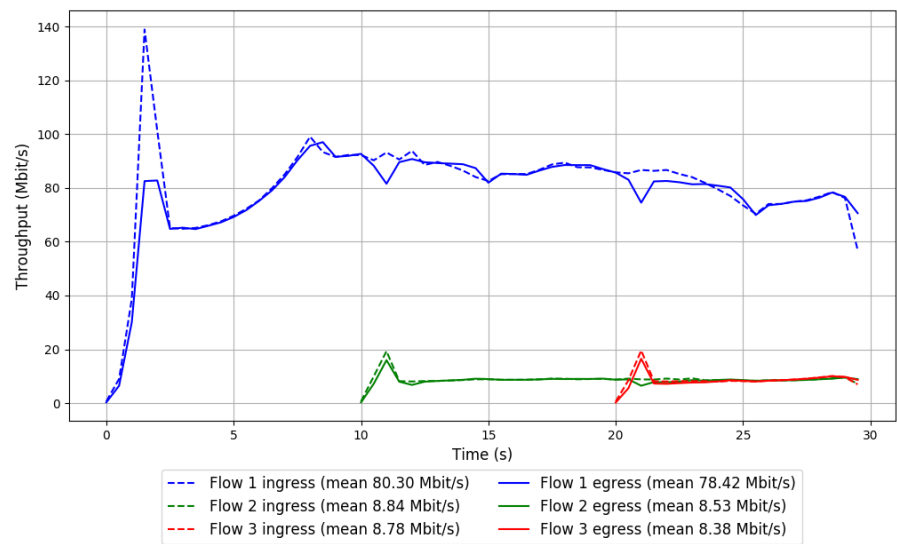


Run 7: Statistics of PCC

Start at: 2018-02-16 17:05:47
End at: 2018-02-16 17:06:17
Local clock offset: -5.609 ms
Remote clock offset: 17.256 ms

Below is generated by plot.py at 2018-02-16 18:59:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 119.773 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 119.775 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 119.780 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 118.324 ms
Loss rate: 4.58%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-16 17:29:16

End at: 2018-02-16 17:29:46

Local clock offset: -6.34 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2018-02-16 18:59:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 120.349 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 79.58 Mbit/s

95th percentile per-packet one-way delay: 120.348 ms

Loss rate: 3.01%

-- Flow 2:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 120.394 ms

Loss rate: 6.00%

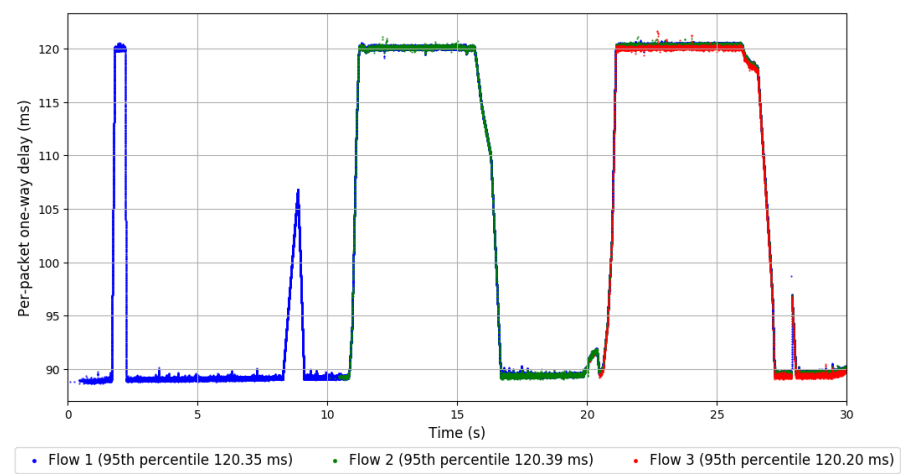
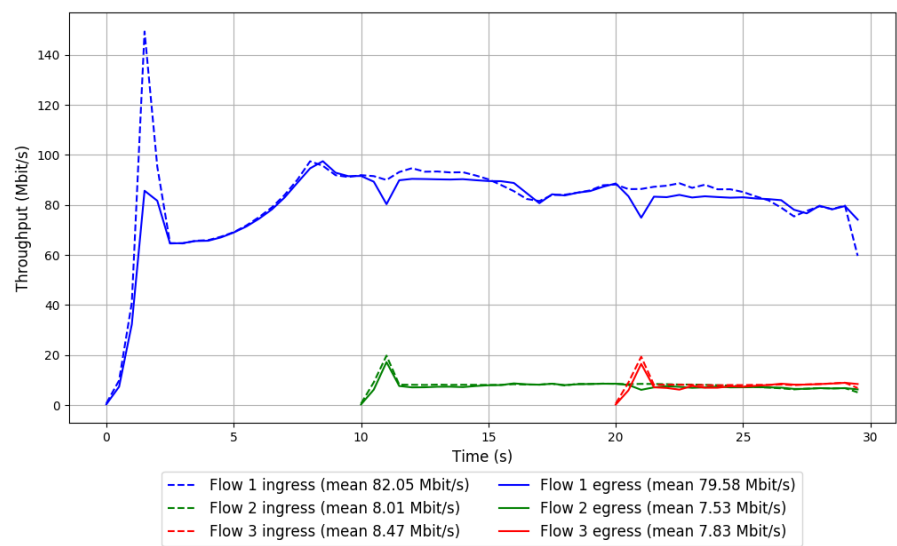
-- Flow 3:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 120.196 ms

Loss rate: 7.58%

Run 8: Report of PCC — Data Link

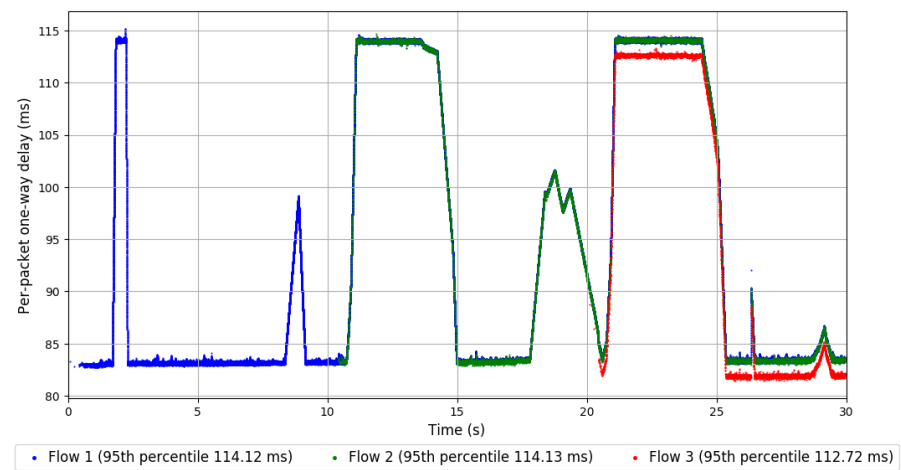
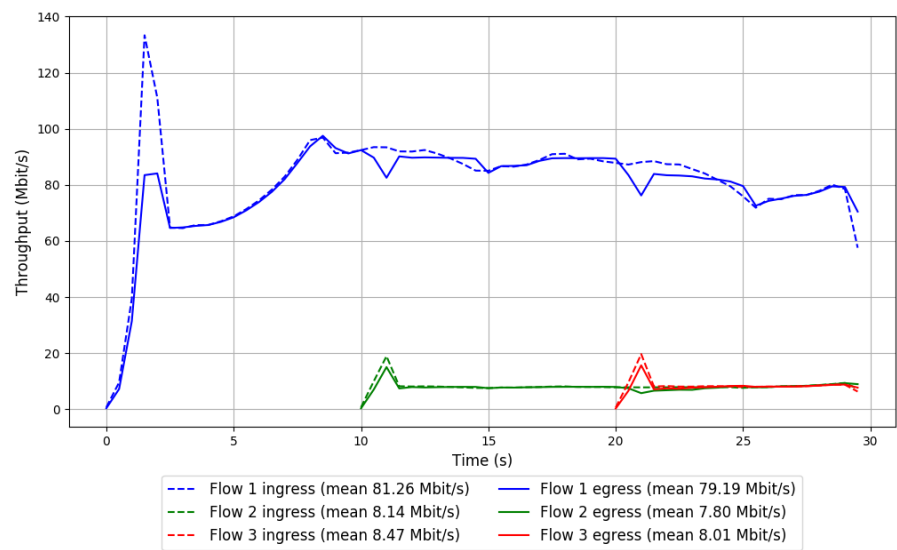


Run 9: Statistics of PCC

Start at: 2018-02-16 17:52:45
End at: 2018-02-16 17:53:15
Local clock offset: -3.397 ms
Remote clock offset: -12.76 ms

Below is generated by plot.py at 2018-02-16 18:59:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 114.116 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 114.118 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 114.132 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 5.43%

Run 9: Report of PCC — Data Link

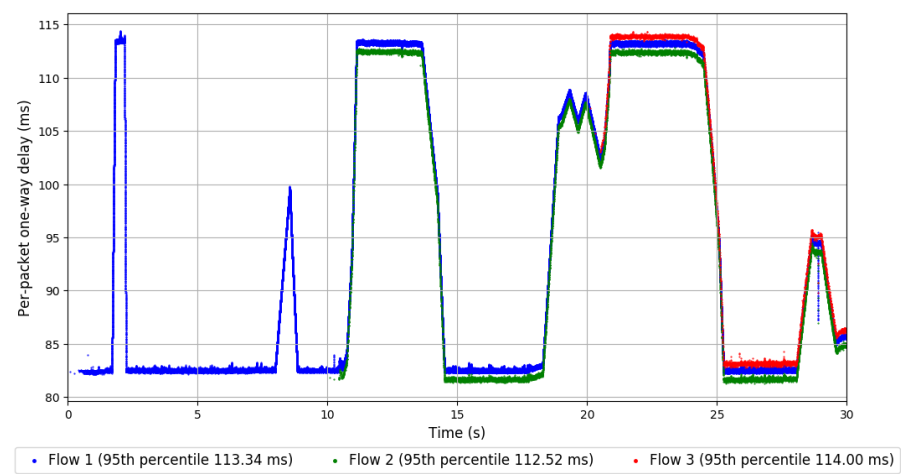
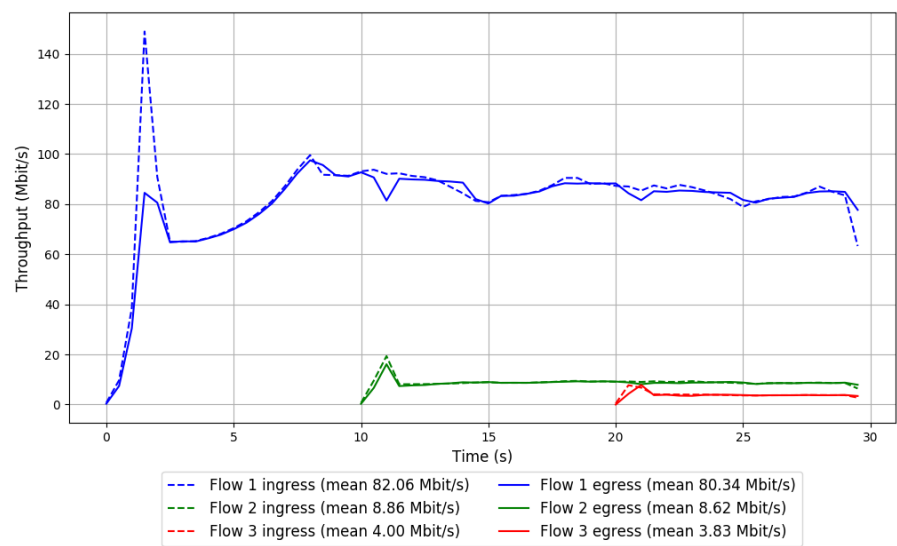


Run 10: Statistics of PCC

Start at: 2018-02-16 18:16:36
End at: 2018-02-16 18:17:06
Local clock offset: -2.246 ms
Remote clock offset: -8.309 ms

Below is generated by plot.py at 2018-02-16 18:59:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 113.339 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 113.336 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 112.518 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 114.005 ms
Loss rate: 4.37%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 14:33:09

End at: 2018-02-16 14:33:39

Local clock offset: -3.918 ms

Remote clock offset: 2.088 ms

Below is generated by plot.py at 2018-02-16 18:59:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: 115.450 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 115.329 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 115.730 ms

Loss rate: 0.45%

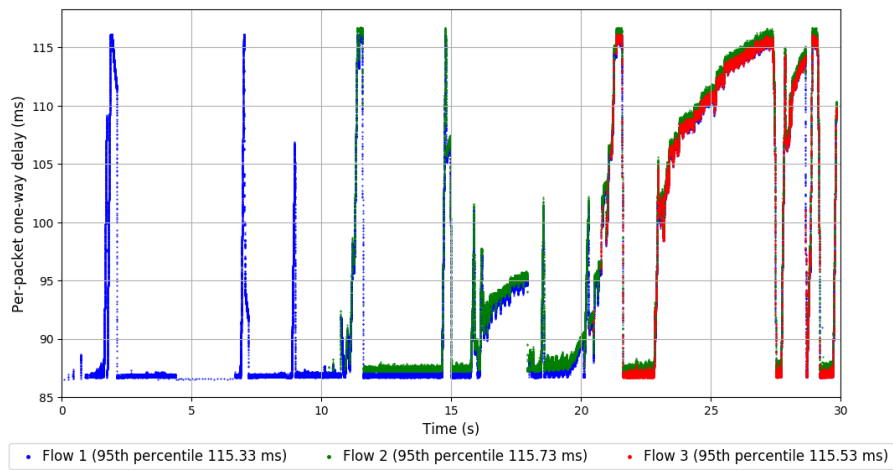
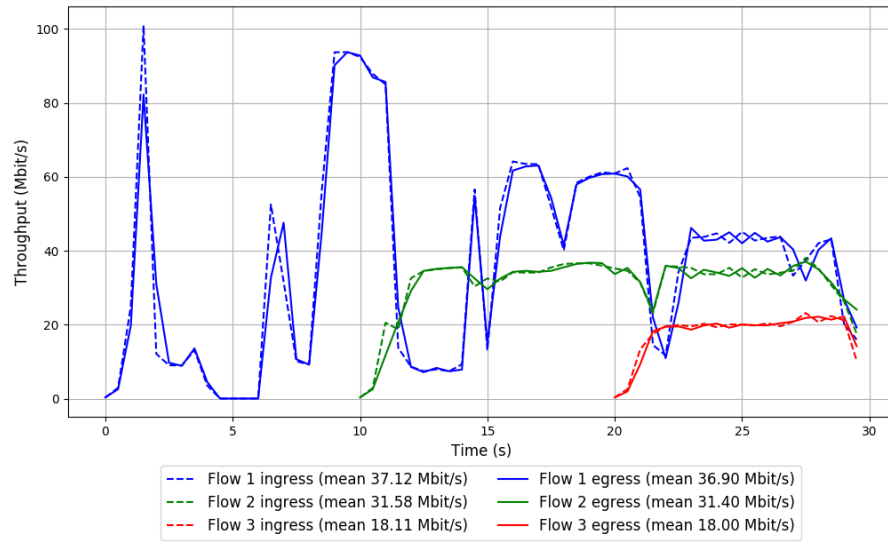
-- Flow 3:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 115.533 ms

Loss rate: 0.35%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 14:57:05

End at: 2018-02-16 14:57:35

Local clock offset: -5.321 ms

Remote clock offset: 2.252 ms

Below is generated by plot.py at 2018-02-16 18:59:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 115.820 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 115.852 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 115.275 ms

Loss rate: 1.09%

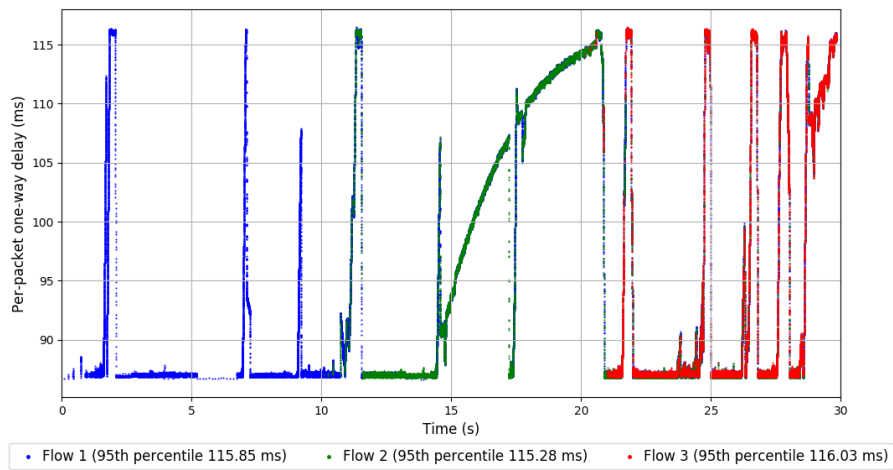
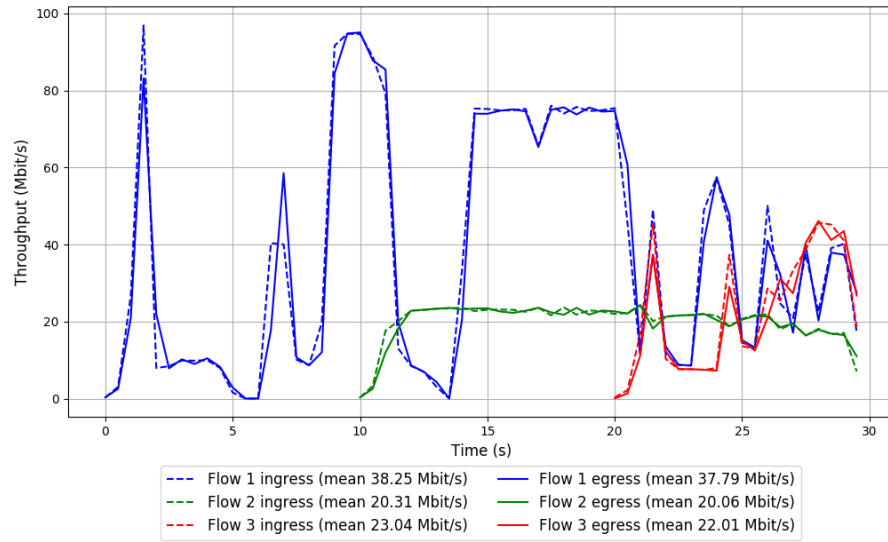
-- Flow 3:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 116.033 ms

Loss rate: 4.42%

Run 2: Report of QUIC Cubic — Data Link

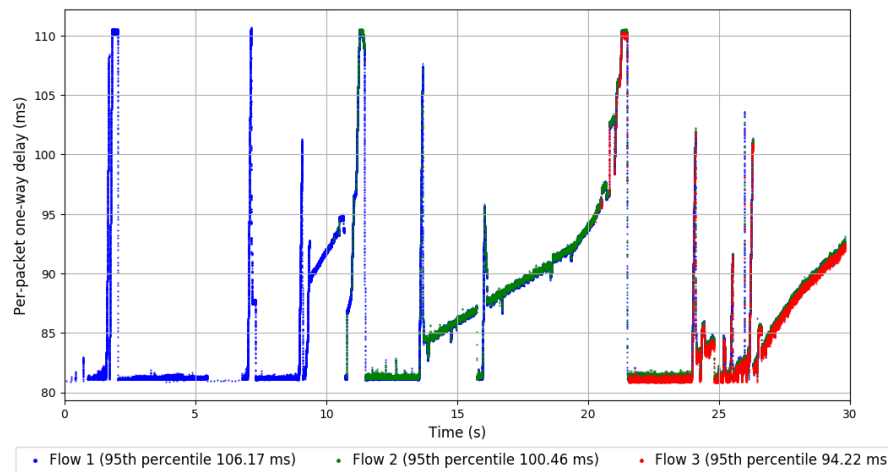
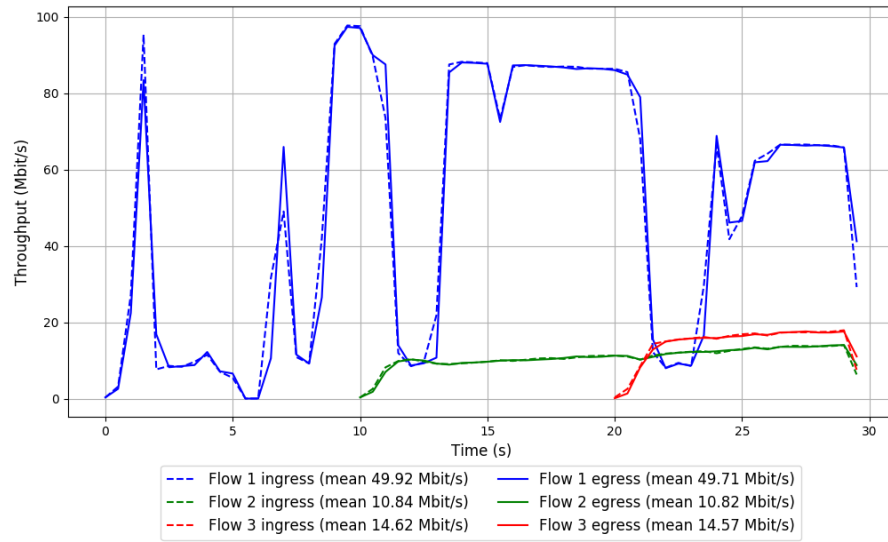


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 15:20:33
End at: 2018-02-16 15:21:03
Local clock offset: -7.078 ms
Remote clock offset: -3.649 ms

Below is generated by plot.py at 2018-02-16 19:00:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 105.590 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 106.172 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 100.462 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 94.223 ms
Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link

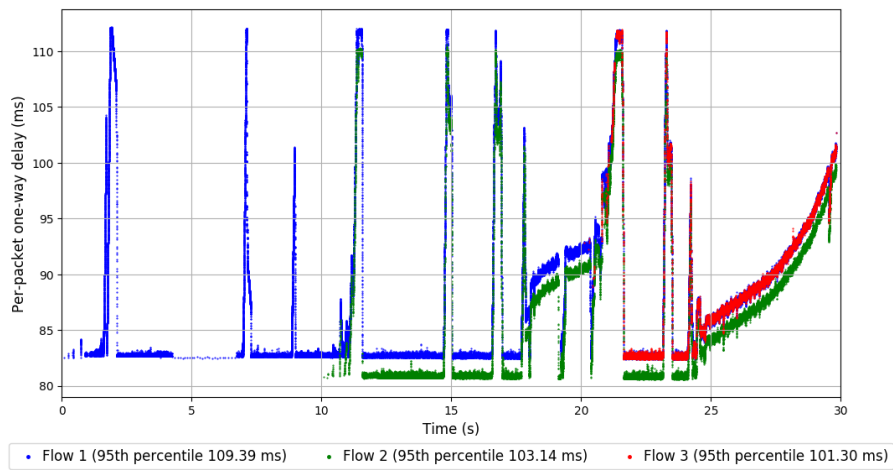
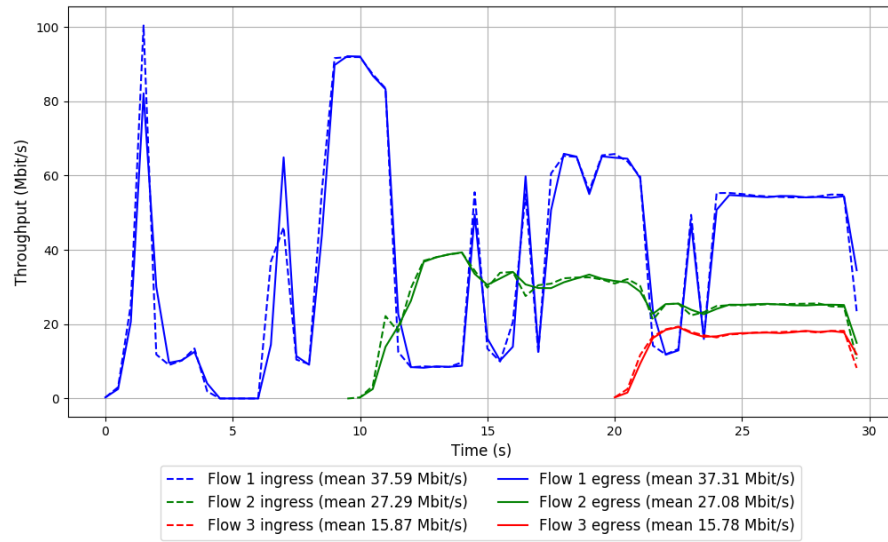


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 15:44:02
End at: 2018-02-16 15:44:32
Local clock offset: -5.024 ms
Remote clock offset: -0.474 ms

Below is generated by plot.py at 2018-02-16 19:00:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 107.811 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 109.391 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 103.145 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 101.299 ms
Loss rate: 0.43%

Run 4: Report of QUIC Cubic — Data Link

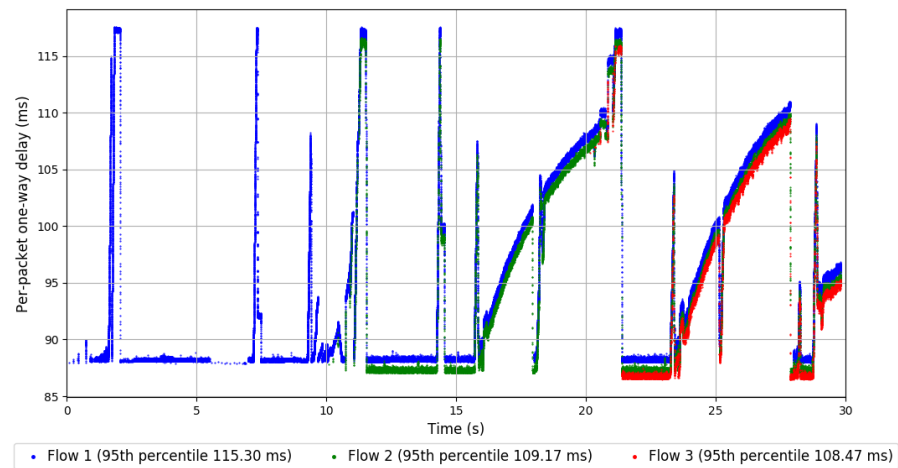
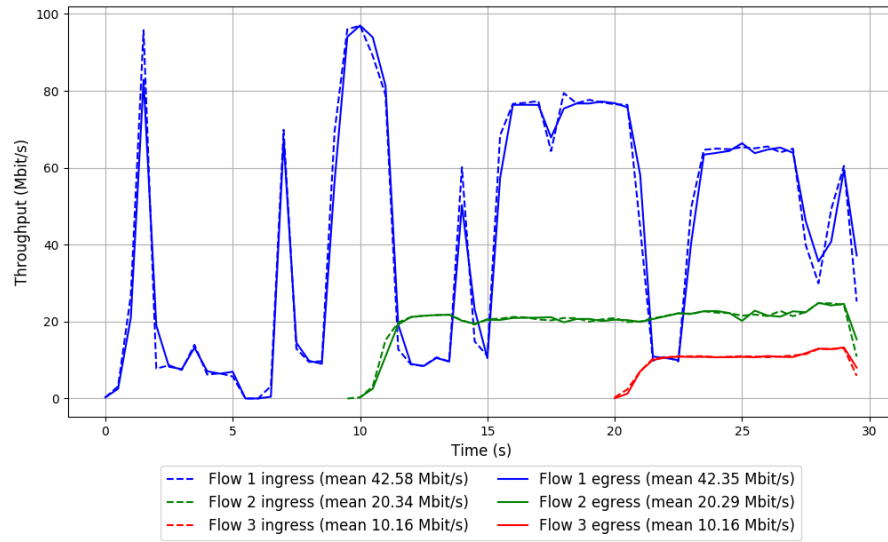


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 16:07:37
End at: 2018-02-16 16:08:07
Local clock offset: -6.384 ms
Remote clock offset: 13.957 ms

Below is generated by plot.py at 2018-02-16 19:00:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 114.476 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 115.295 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 109.172 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 108.467 ms
Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link

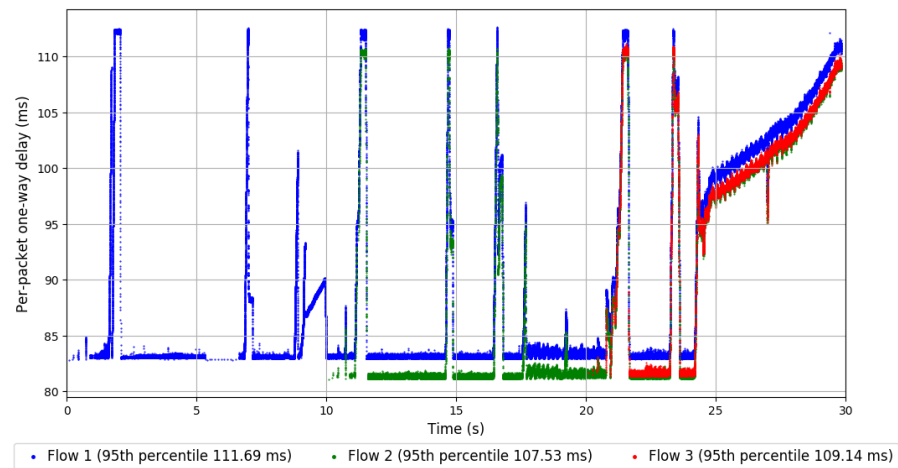
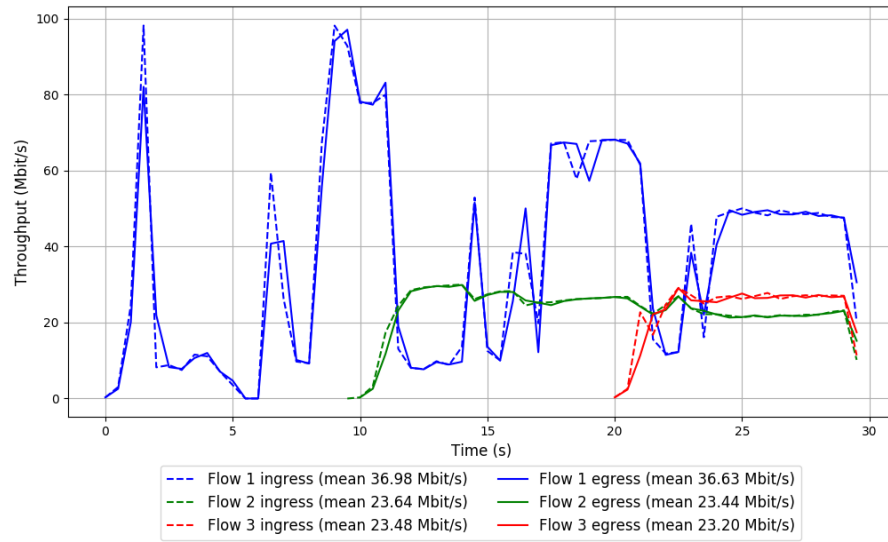


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 16:31:12
End at: 2018-02-16 16:31:42
Local clock offset: -7.34 ms
Remote clock offset: 12.557 ms

Below is generated by plot.py at 2018-02-16 19:00:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 110.170 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 111.691 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 107.535 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 109.143 ms
Loss rate: 0.89%

Run 6: Report of QUIC Cubic — Data Link

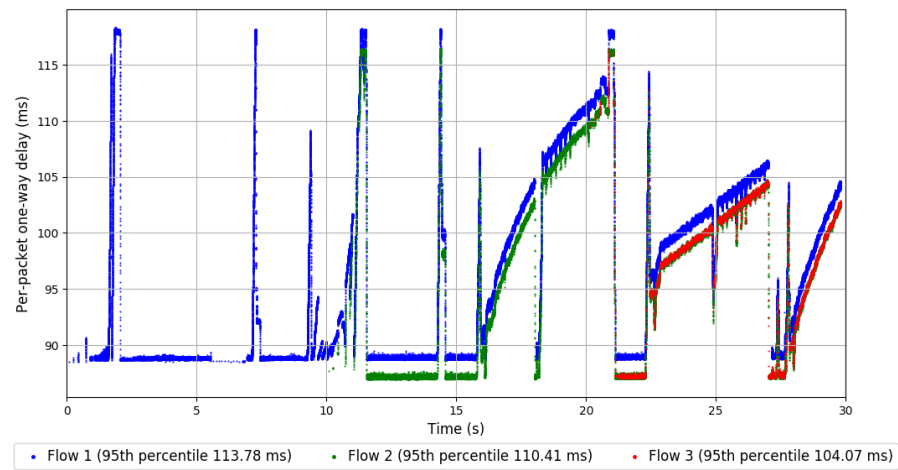
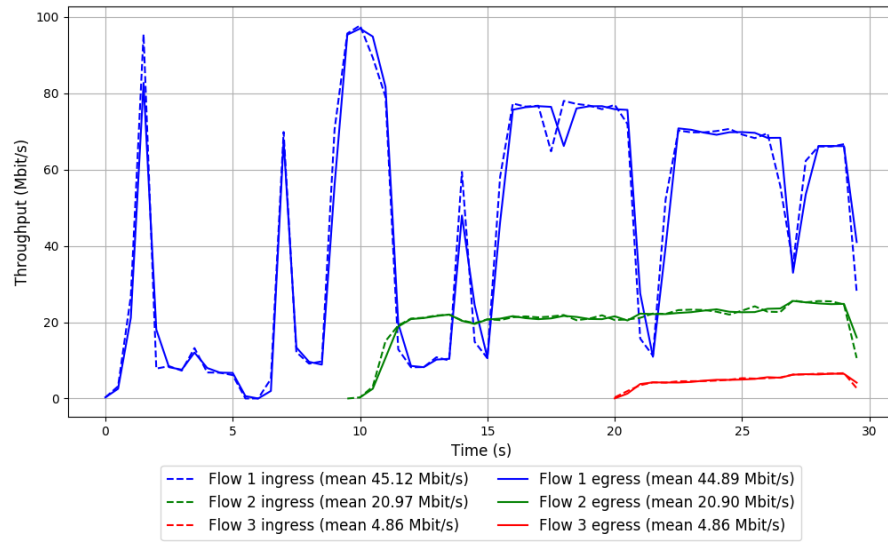


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 16:55:03
End at: 2018-02-16 16:55:33
Local clock offset: -5.751 ms
Remote clock offset: 18.516 ms

Below is generated by plot.py at 2018-02-16 19:01:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 113.245 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 44.89 Mbit/s
95th percentile per-packet one-way delay: 113.779 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 110.407 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 104.066 ms
Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link

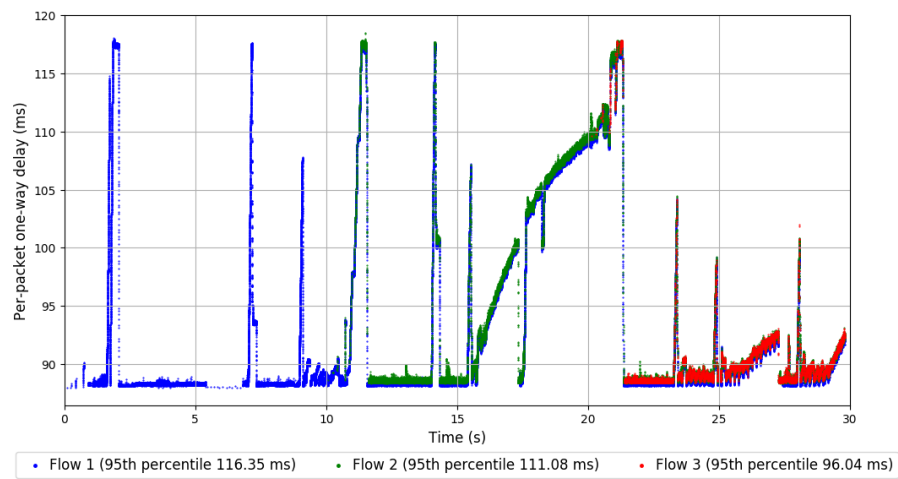
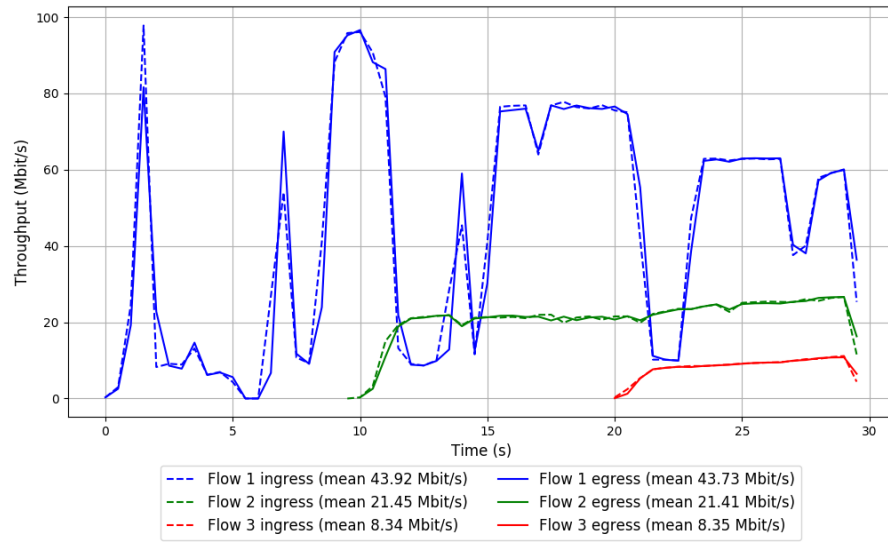


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 17:18:46
End at: 2018-02-16 17:19:16
Local clock offset: -6.266 ms
Remote clock offset: 17.056 ms

Below is generated by plot.py at 2018-02-16 19:01:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 116.346 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 111.084 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 96.037 ms
Loss rate: 0.14%

Run 8: Report of QUIC Cubic — Data Link

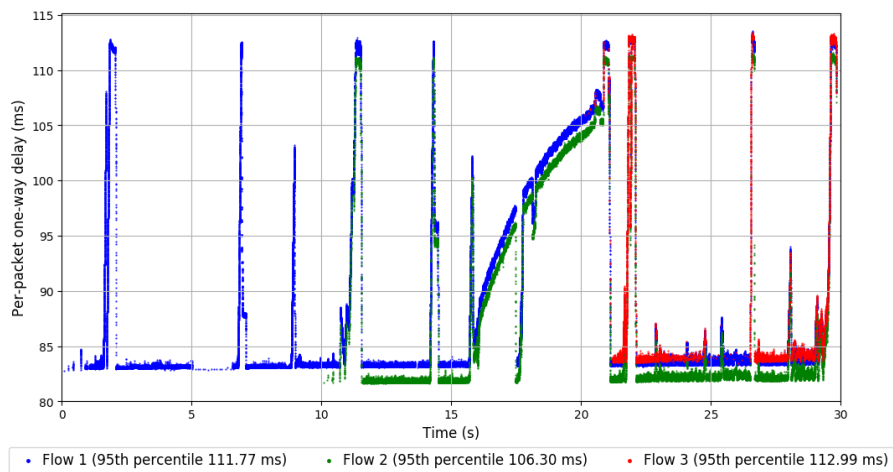
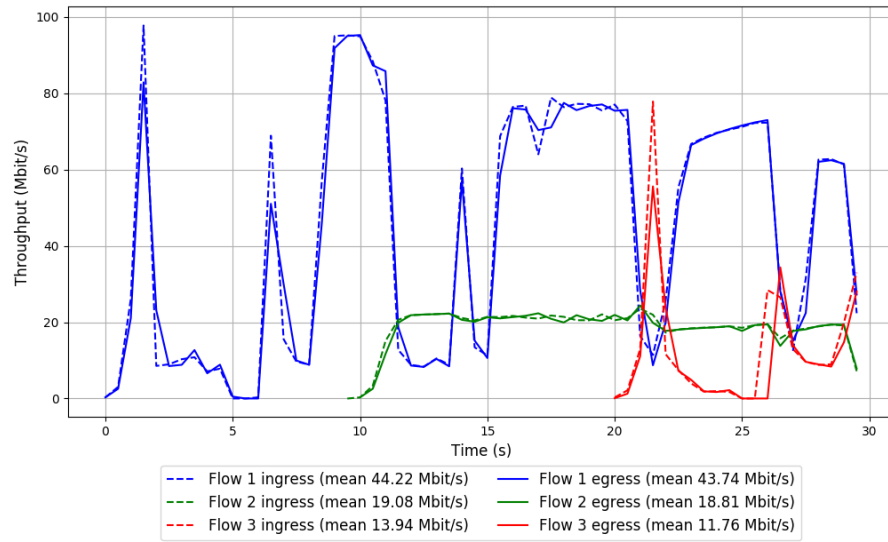


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 17:42:16
End at: 2018-02-16 17:42:46
Local clock offset: -5.748 ms
Remote clock offset: -8.344 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 111.858 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 106.299 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 15.63%

Run 9: Report of QUIC Cubic — Data Link

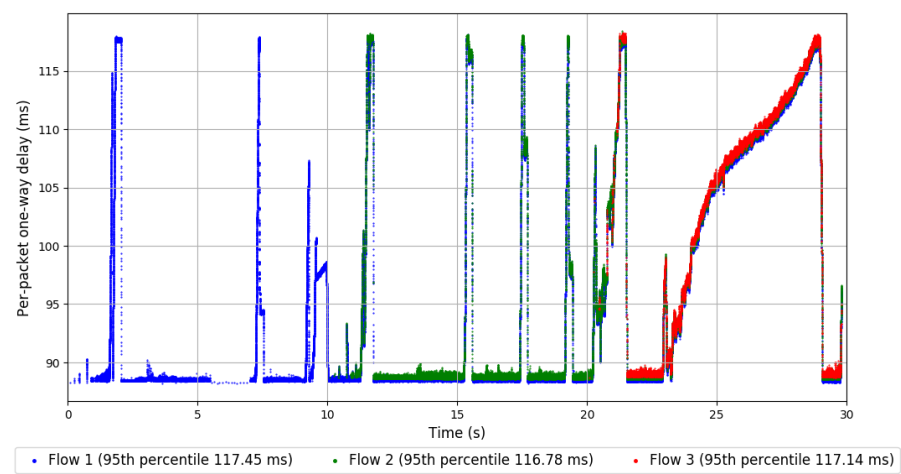
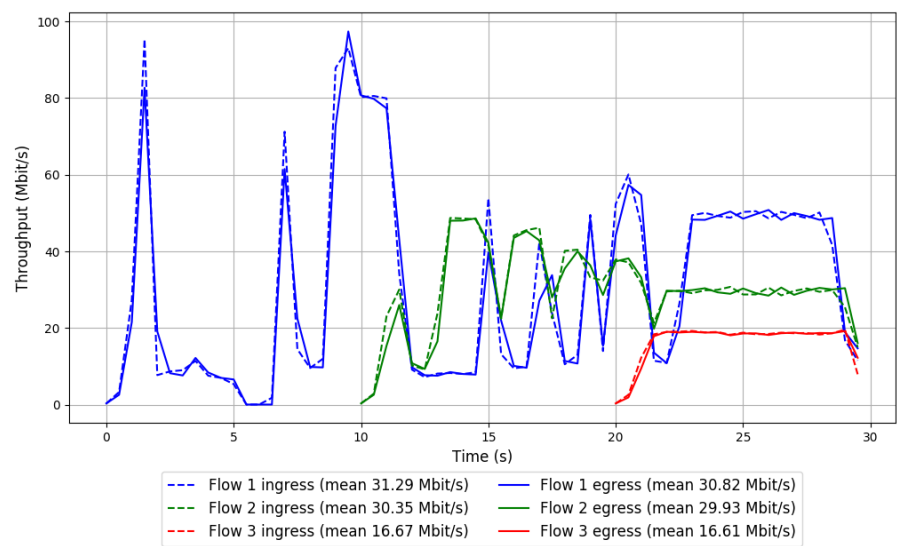


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 18:05:46
End at: 2018-02-16 18:06:16
Local clock offset: -2.056 ms
Remote clock offset: -3.938 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 117.318 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 117.447 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 116.781 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 117.135 ms
Loss rate: 0.27%

Run 10: Report of QUIC Cubic — Data Link

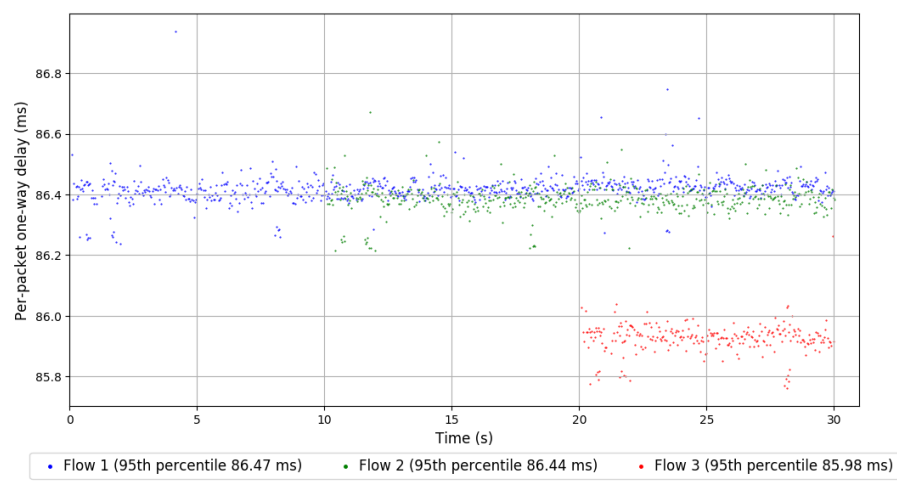
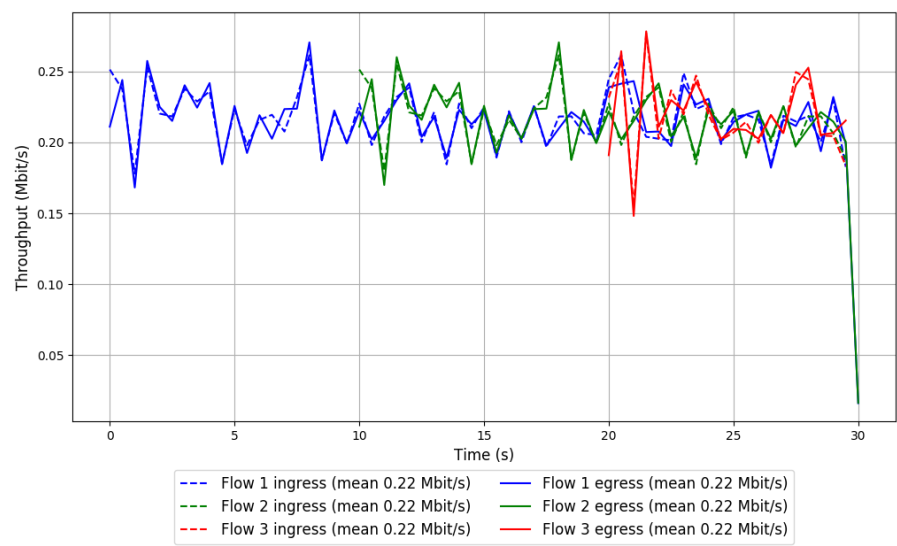


```
Run 1: Statistics of SReAM

Start at: 2018-02-16 14:42:27
End at: 2018-02-16 14:42:57
Local clock offset: -3.416 ms
Remote clock offset: 1.301 ms

# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.984 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

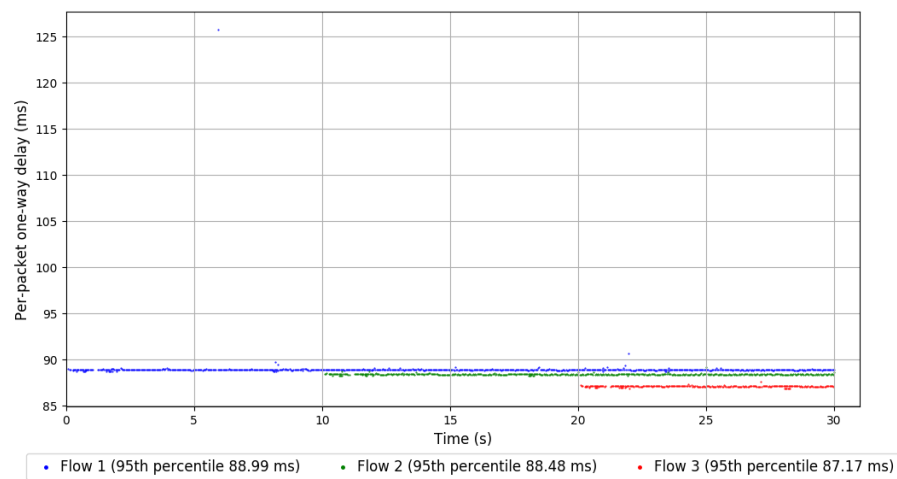
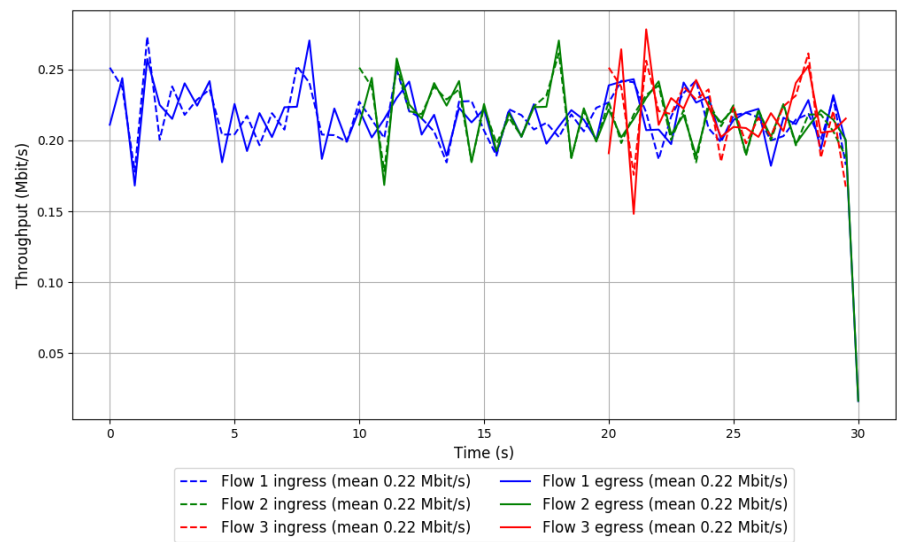


```
Run 2: Statistics of SReAM

Start at: 2018-02-16 15:06:20
End at: 2018-02-16 15:06:50
Local clock offset: -6.434 ms
Remote clock offset: 2.294 ms

# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.173 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

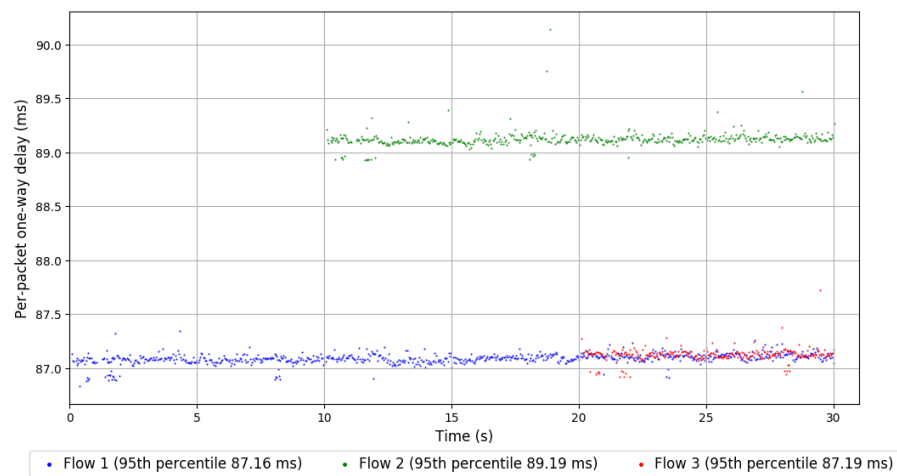
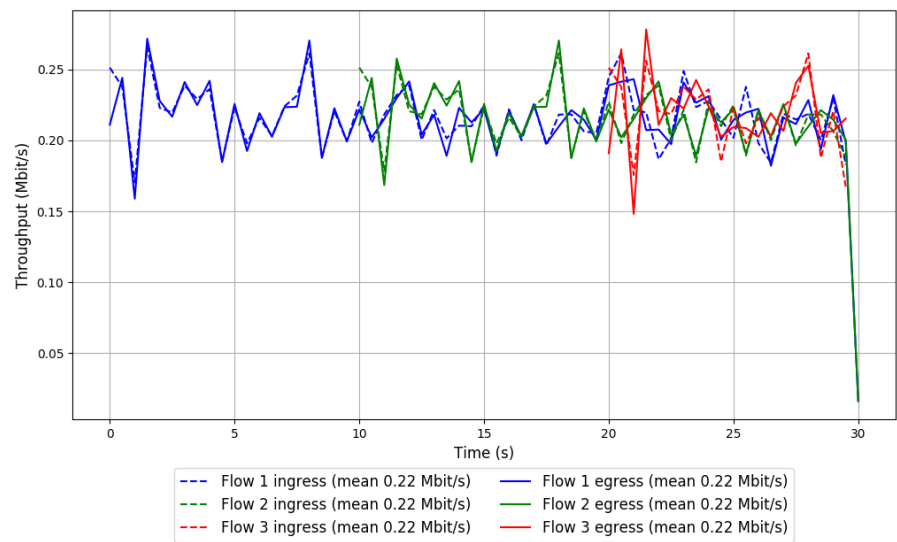


Run 3: Statistics of SReAM

Start at: 2018-02-16 15:29:50
End at: 2018-02-16 15:30:20
Local clock offset: -6.056 ms
Remote clock offset: 2.136 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 89.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.186 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

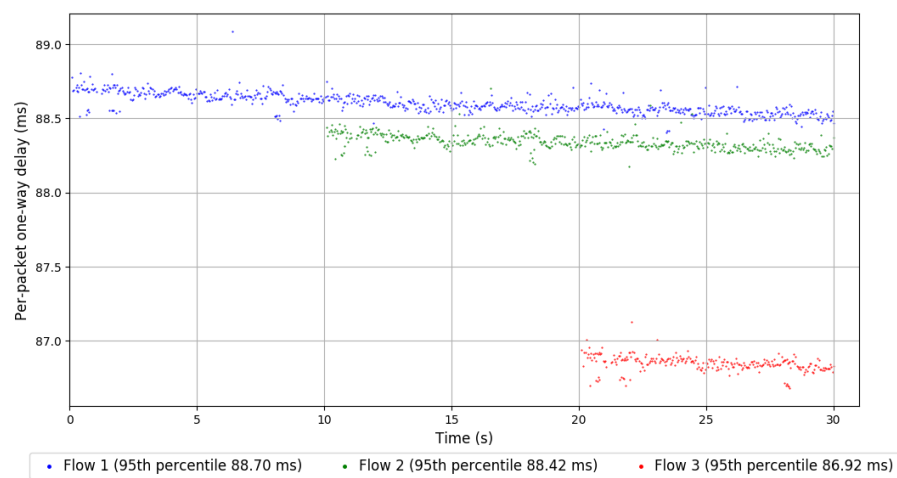
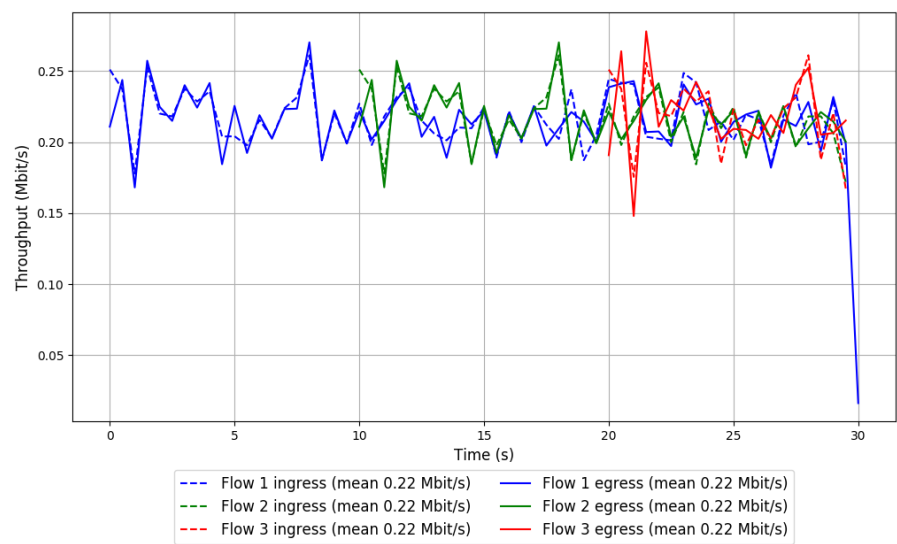


Run 4: Statistics of SReAM

Start at: 2018-02-16 15:53:22
End at: 2018-02-16 15:53:52
Local clock offset: -4.743 ms
Remote clock offset: 10.495 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.921 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

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

End at: 2018-02-16 16:17:24

Local clock offset: -6.948 ms

Remote clock offset: 9.862 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 82.898 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.849 ms

Loss rate: 0.00%

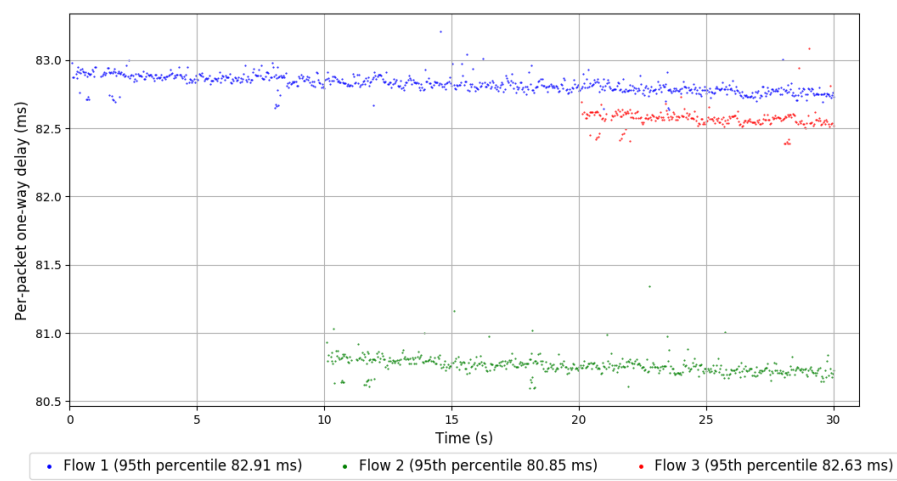
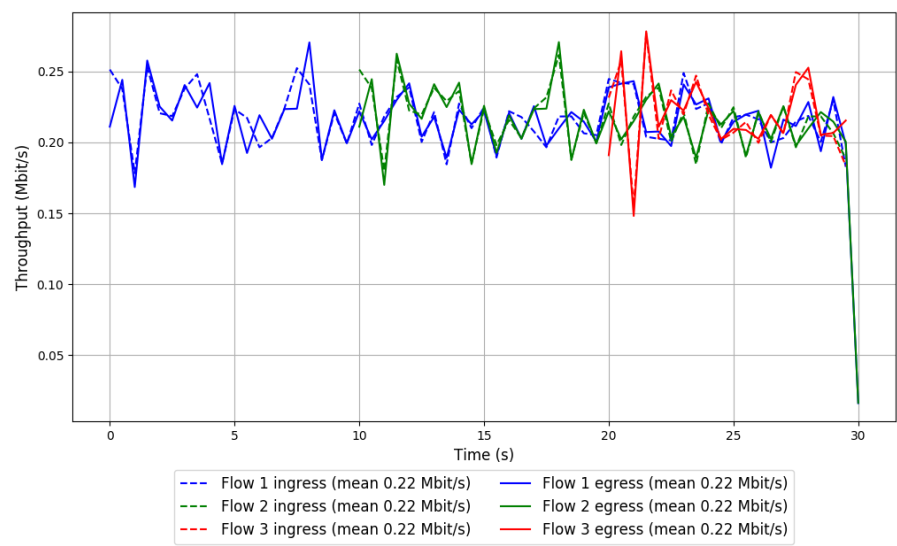
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.626 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-16 16:40:46

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

Local clock offset: -6.308 ms

Remote clock offset: 19.67 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.011 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.00%

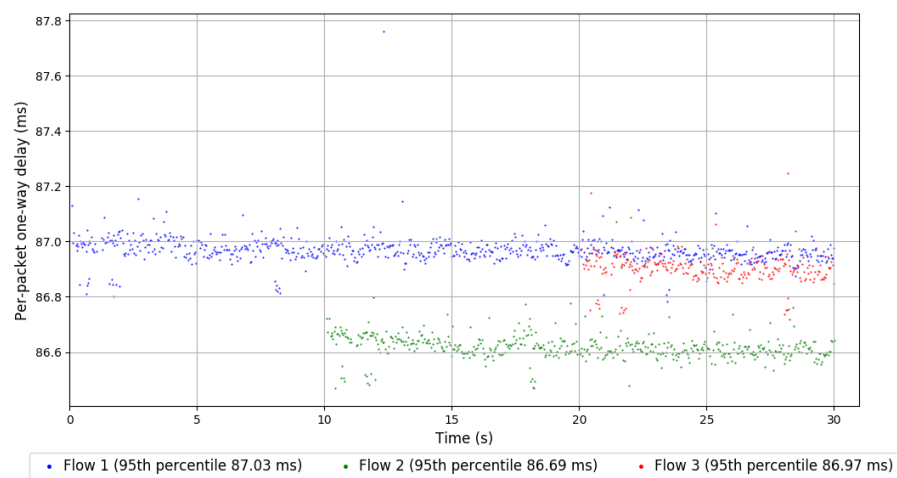
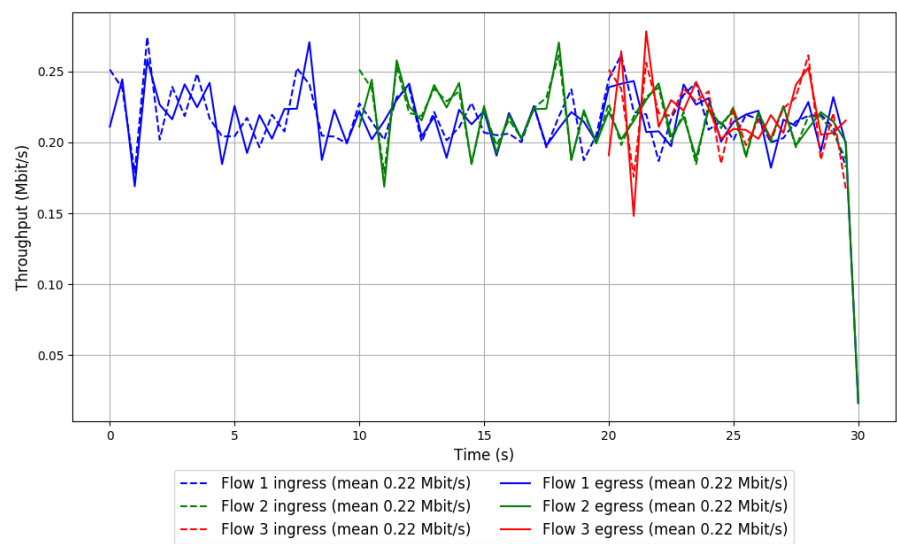
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.970 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

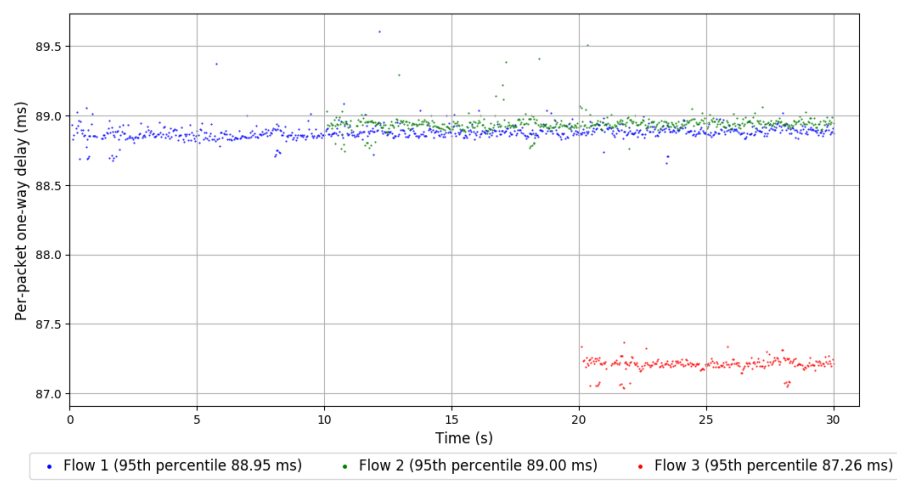
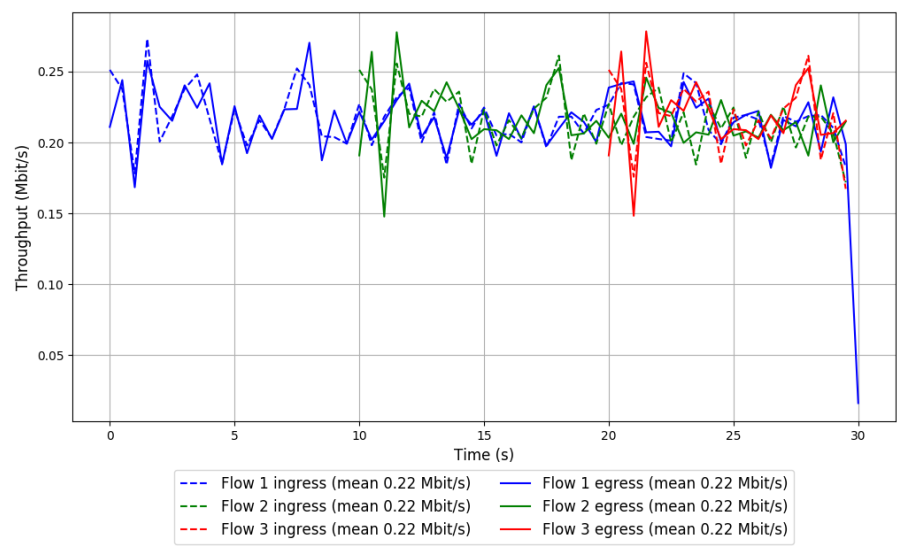


Run 7: Statistics of SReAM

Start at: 2018-02-16 17:04:33
End at: 2018-02-16 17:05:03
Local clock offset: -5.691 ms
Remote clock offset: 17.344 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.264 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-02-16 17:28:03

End at: 2018-02-16 17:28:33

Local clock offset: -6.355 ms

Remote clock offset: 9.482 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 89.429 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.947 ms

Loss rate: 0.00%

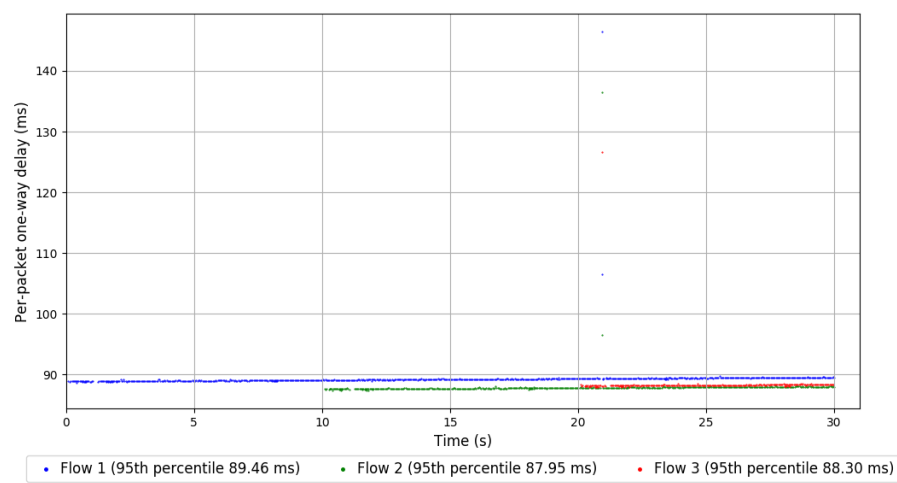
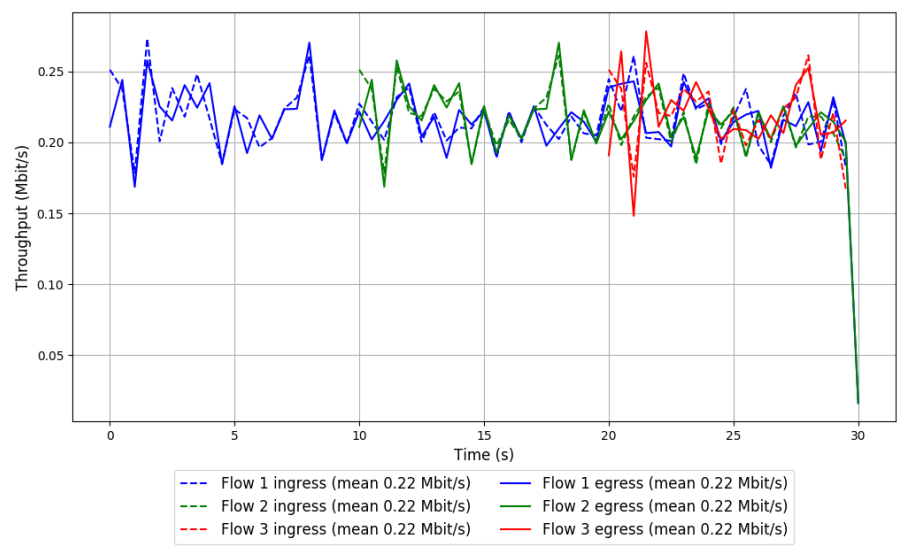
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.304 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

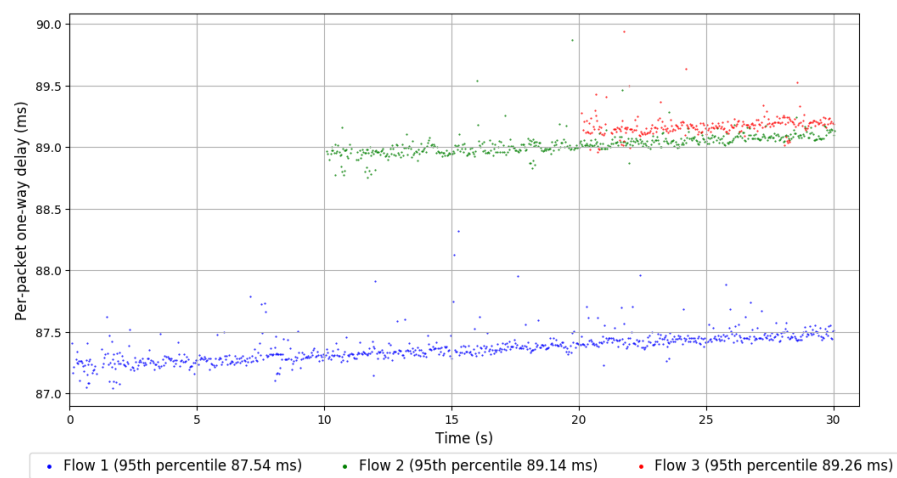
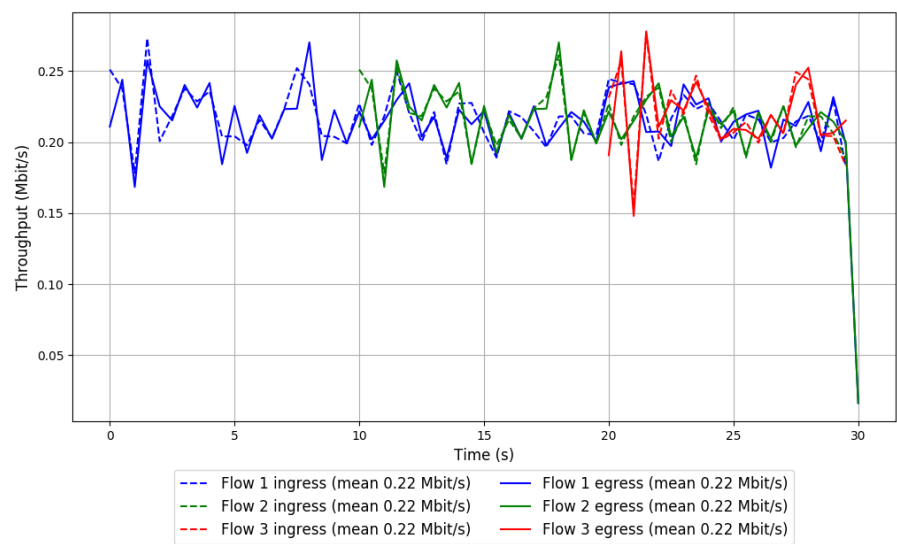


Run 9: Statistics of SReAM

Start at: 2018-02-16 17:51:31
End at: 2018-02-16 17:52:01
Local clock offset: -3.587 ms
Remote clock offset: -6.617 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 89.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.256 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

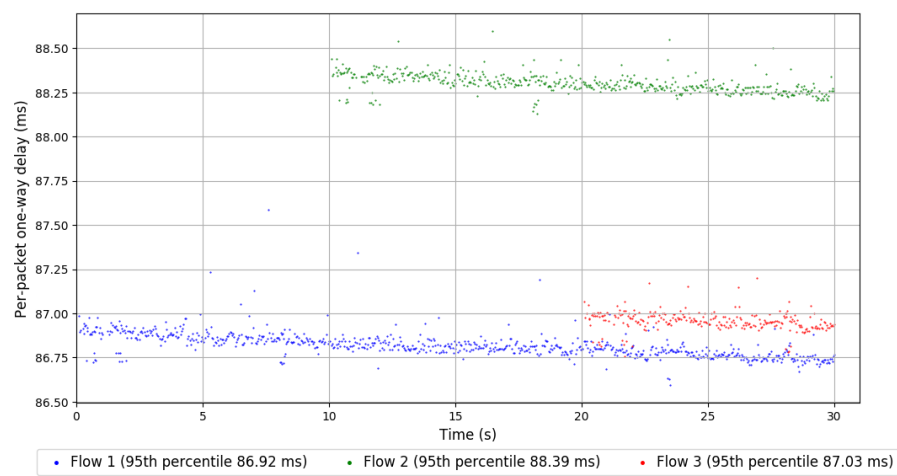
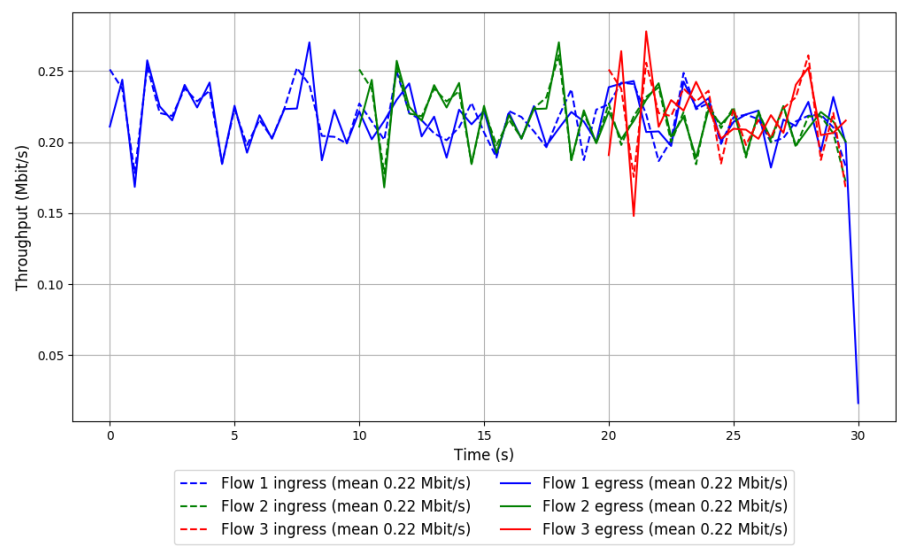


Run 10: Statistics of SCReAM

Start at: 2018-02-16 18:15:23
End at: 2018-02-16 18:15:53
Local clock offset: -1.9 ms
Remote clock offset: -2.699 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

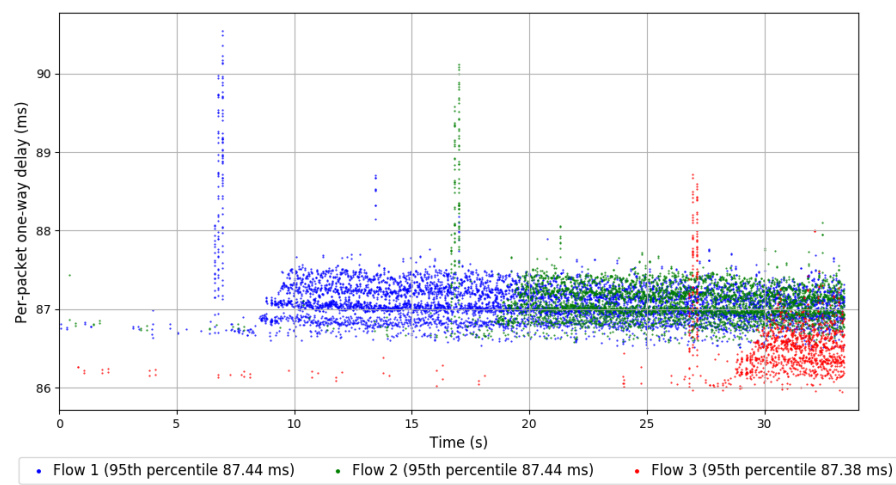
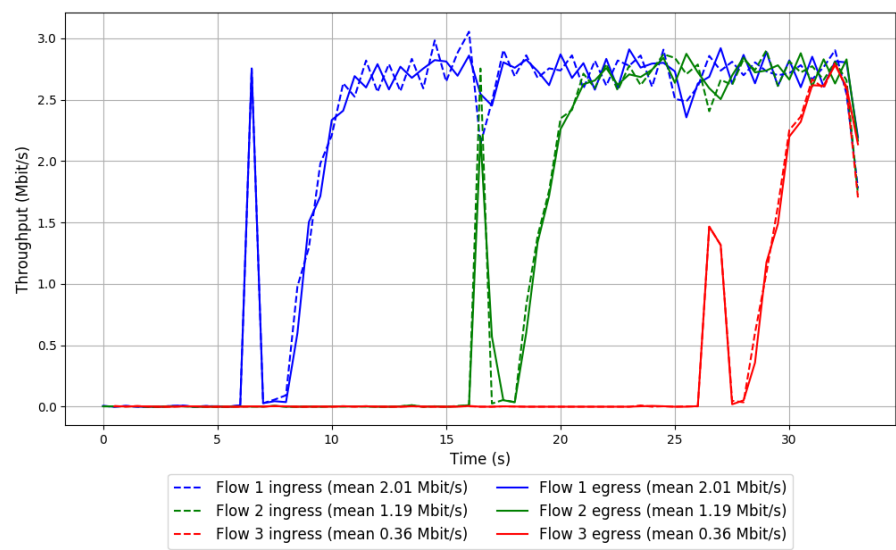


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 14:51:51
End at: 2018-02-16 14:52:21
Local clock offset: -3.992 ms
Remote clock offset: 2.245 ms

# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 87.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 87.439 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 87.375 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

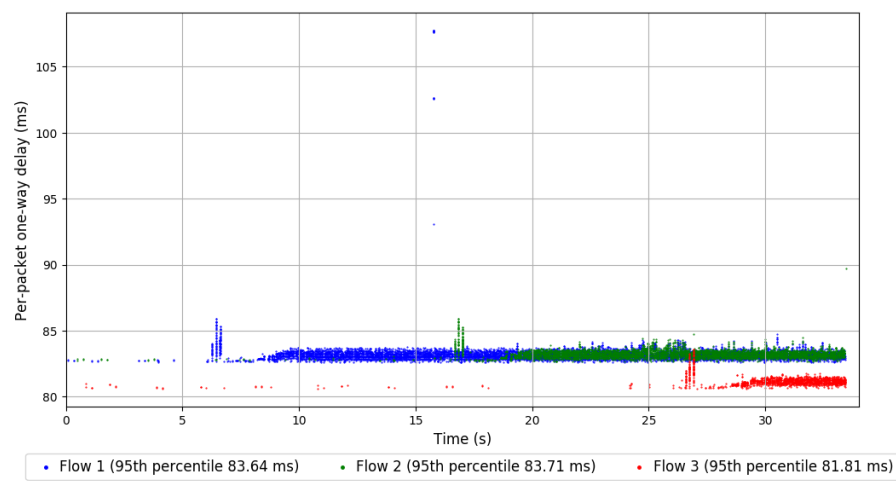
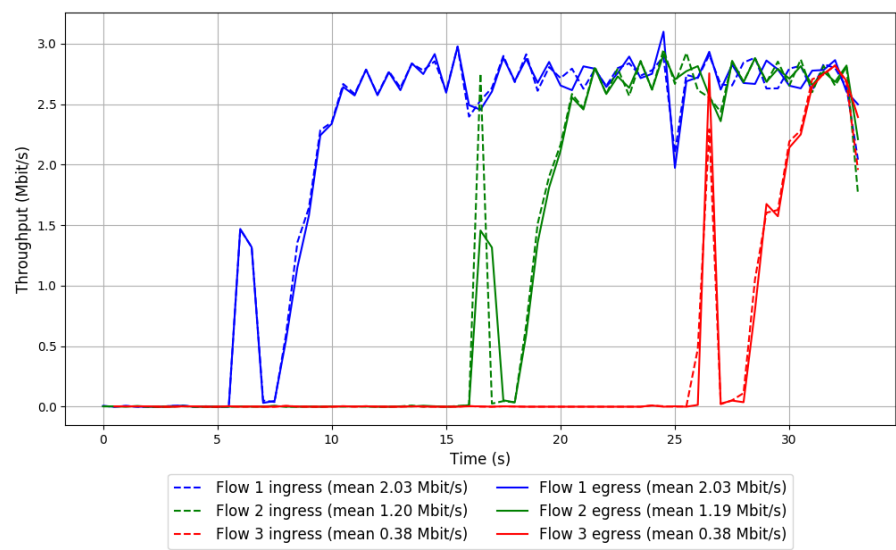


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 15:15:21
End at: 2018-02-16 15:15:51
Local clock offset: -6.978 ms
Remote clock offset: -3.471 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 83.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 83.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 83.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 81.808 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

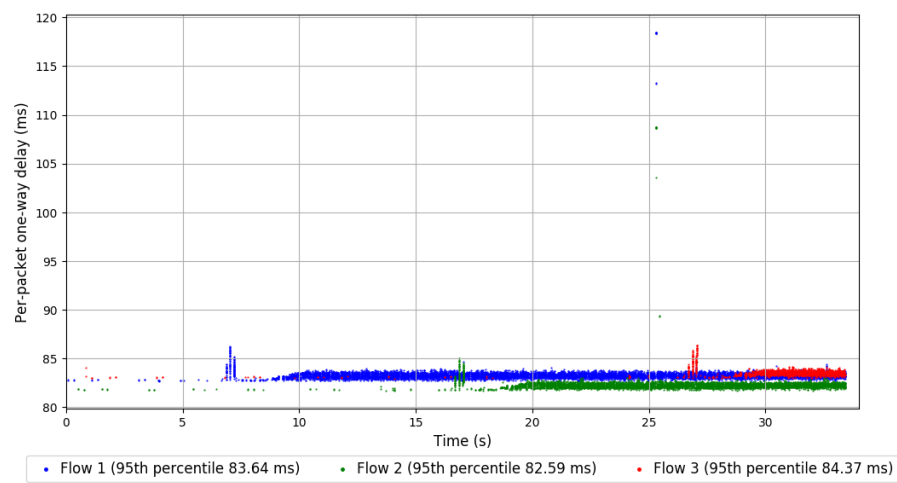
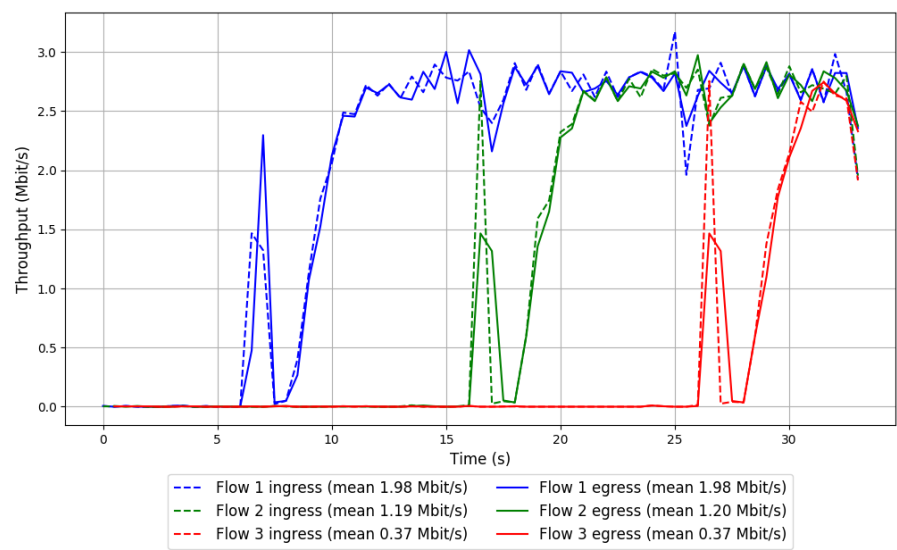


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 15:38:50
End at: 2018-02-16 15:39:20
Local clock offset: -5.288 ms
Remote clock offset: -3.545 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 83.683 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 83.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 82.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 84.370 ms
Loss rate: 0.08%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

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

Local clock offset: -5.697 ms

Remote clock offset: 7.282 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 82.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 82.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 82.024 ms

Loss rate: 0.00%

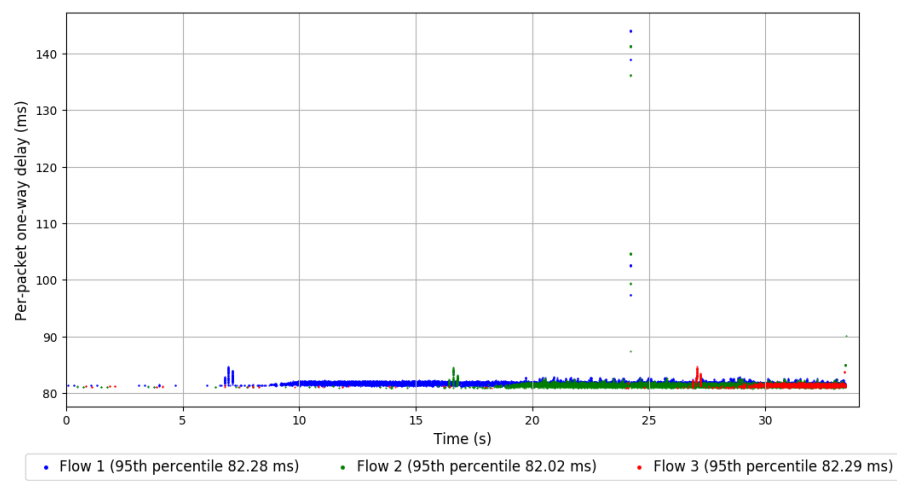
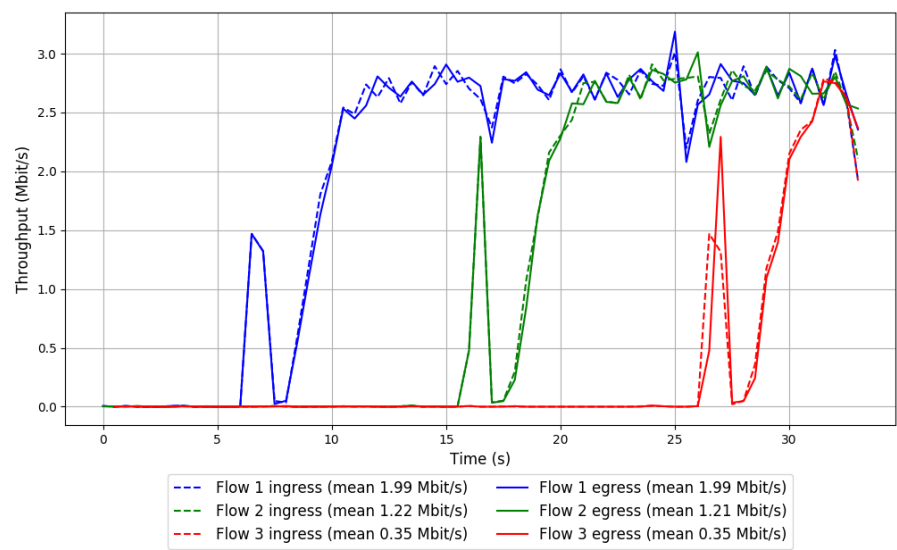
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 82.286 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 16:25:58

End at: 2018-02-16 16:26:28

Local clock offset: -7.245 ms

Remote clock offset: 11.71 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 83.639 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 83.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 83.720 ms

Loss rate: 0.02%

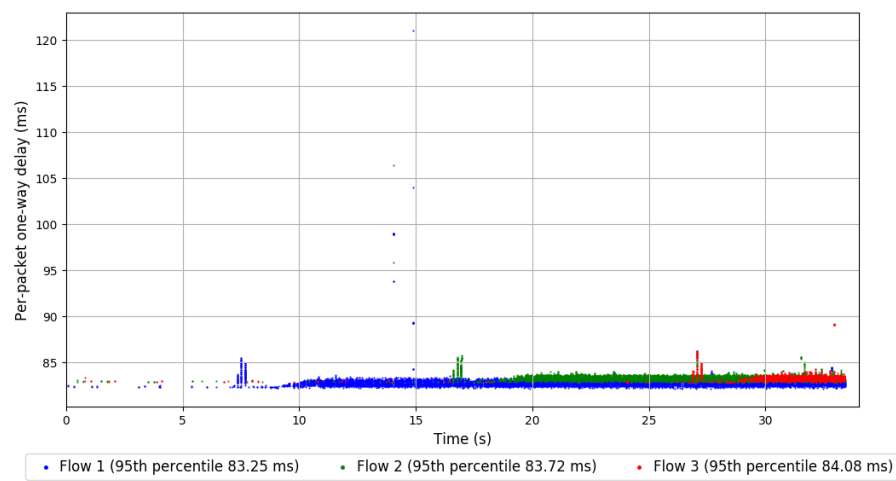
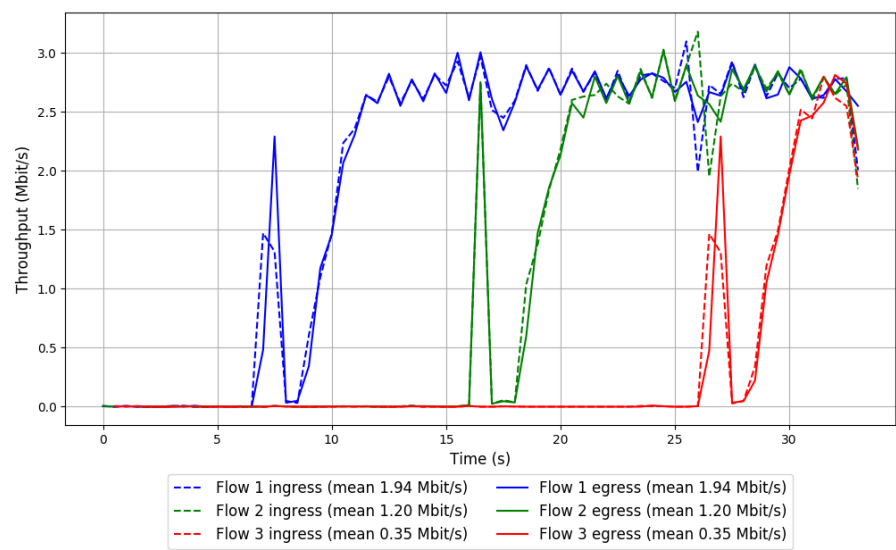
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.076 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

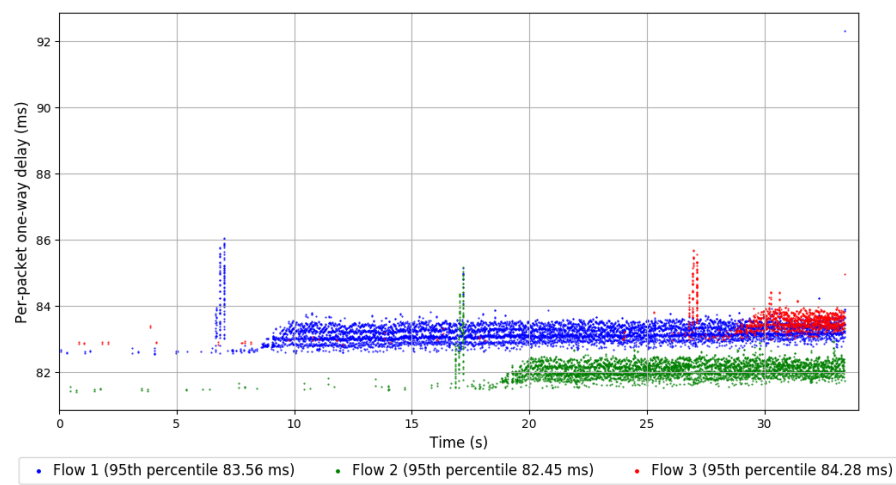
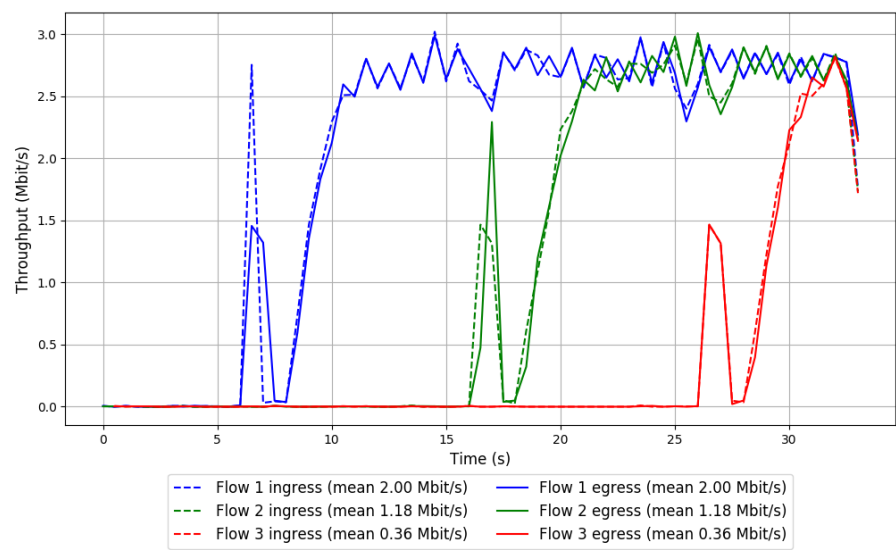


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 16:49:50
End at: 2018-02-16 16:50:20
Local clock offset: -5.874 ms
Remote clock offset: 14.668 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 83.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 83.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 82.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 84.284 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

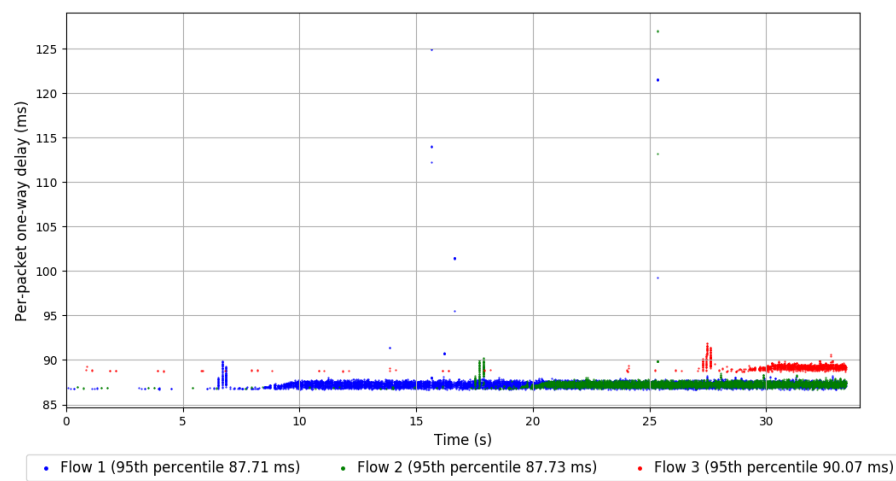
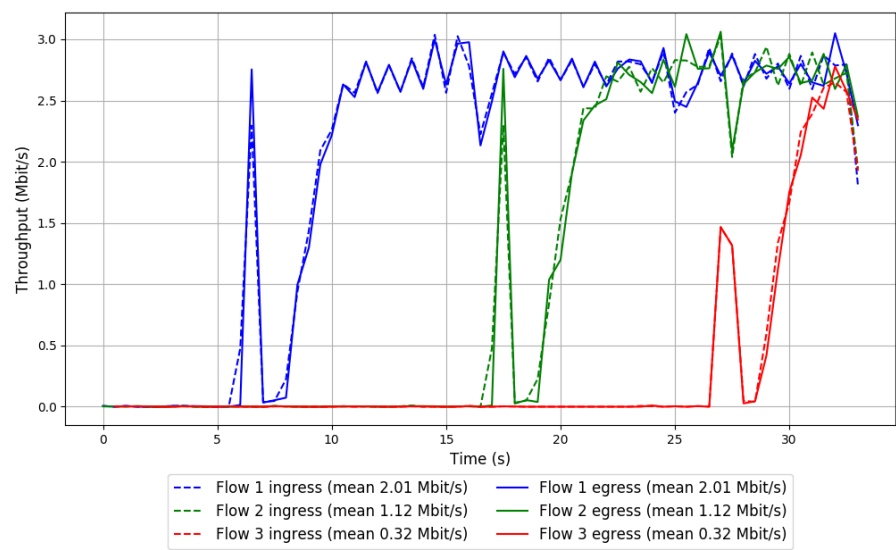


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 17:13:34
End at: 2018-02-16 17:14:04
Local clock offset: -6.059 ms
Remote clock offset: 17.007 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 89.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 87.728 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 90.069 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

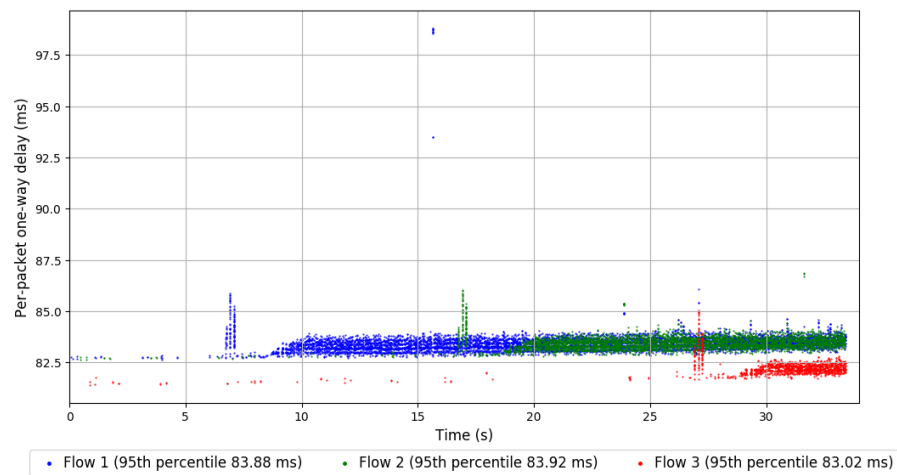
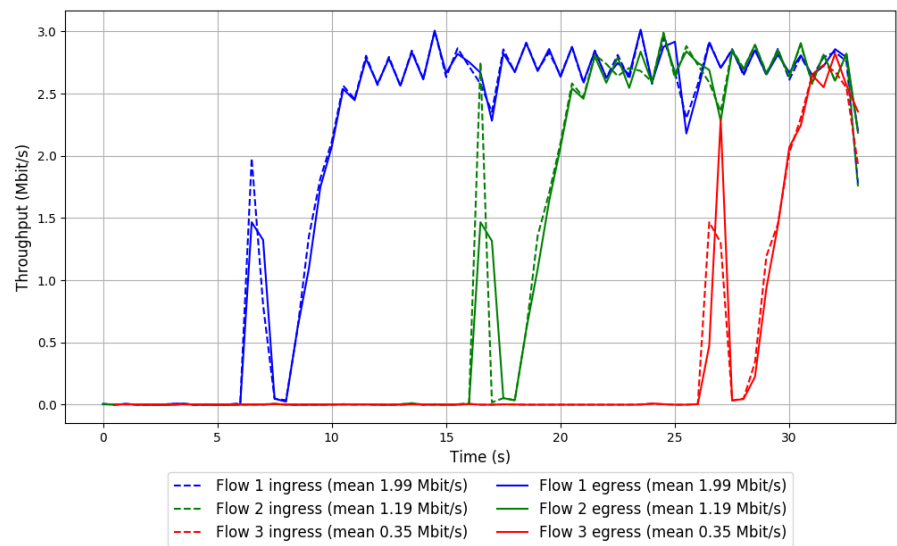


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 17:37:04
End at: 2018-02-16 17:37:34
Local clock offset: -6.385 ms
Remote clock offset: -5.256 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 83.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 83.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 83.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 83.023 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

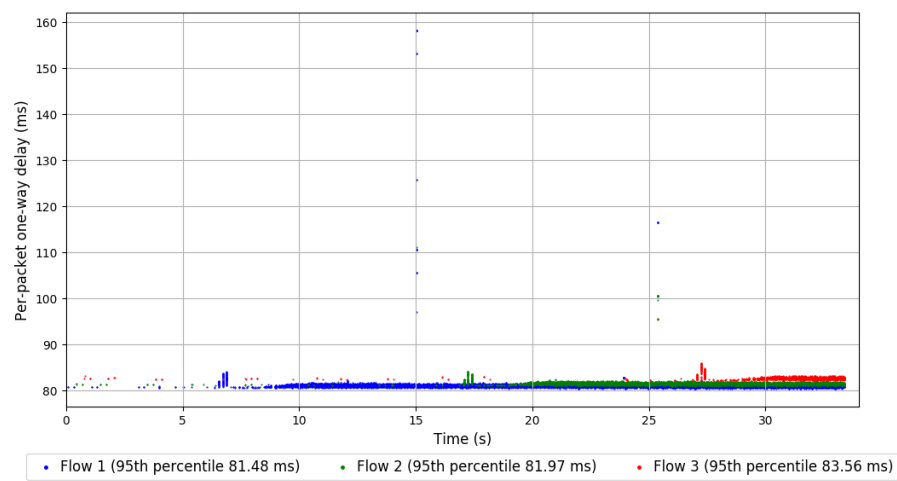
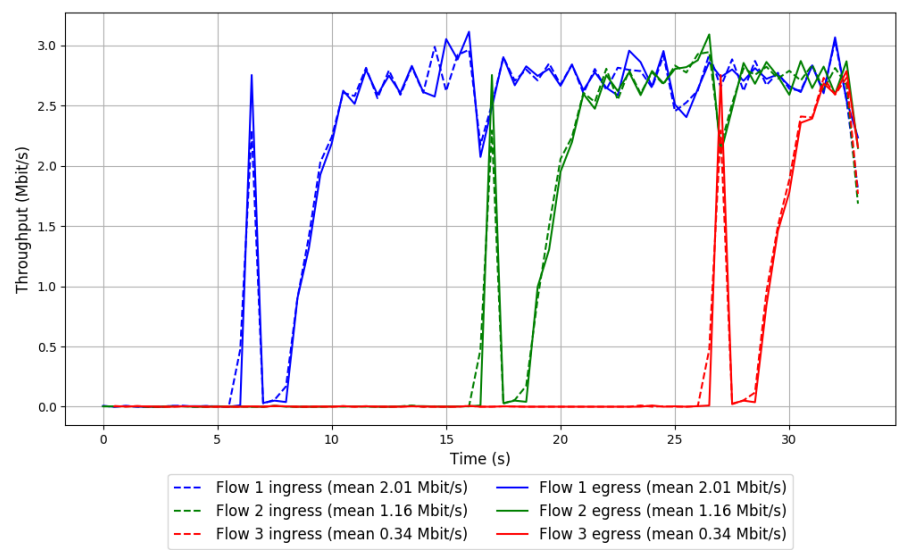


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 18:00:33
End at: 2018-02-16 18:01:03
Local clock offset: -2.481 ms
Remote clock offset: -12.195 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 82.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 81.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 81.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 83.555 ms
Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link

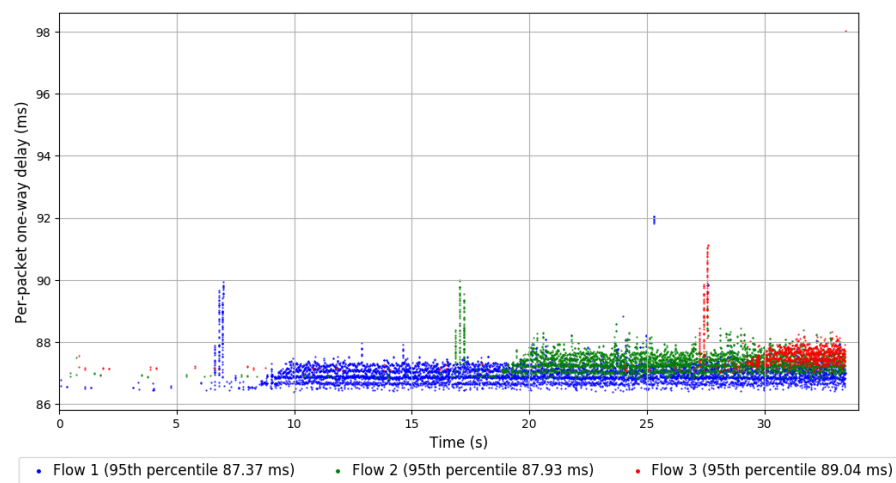
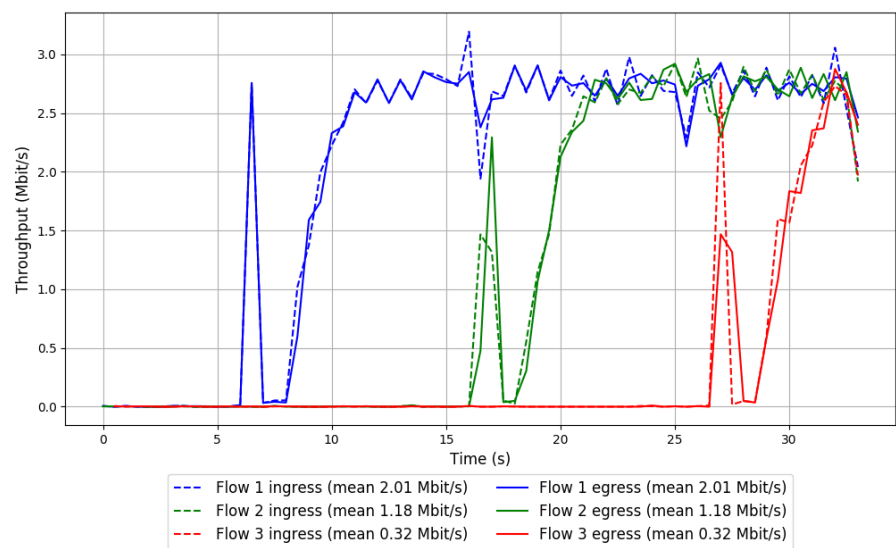


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 18:24:22
End at: 2018-02-16 18:24:52
Local clock offset: -3.871 ms
Remote clock offset: -3.249 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 87.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 87.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 89.041 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-16 14:44:58

End at: 2018-02-16 14:45:28

Local clock offset: -3.296 ms

Remote clock offset: 3.042 ms

Below is generated by plot.py at 2018-02-16 19:01:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 95.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 95.367 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 94.599 ms

Loss rate: 0.00%

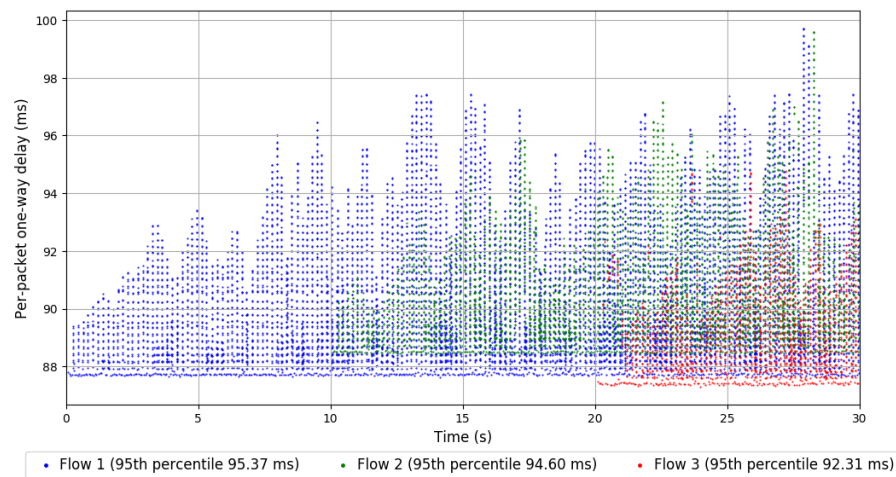
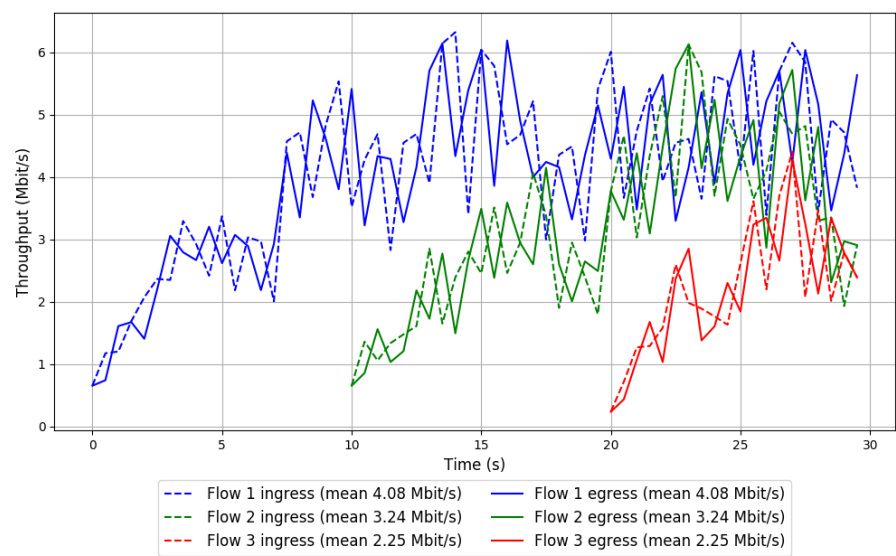
-- Flow 3:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 92.312 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

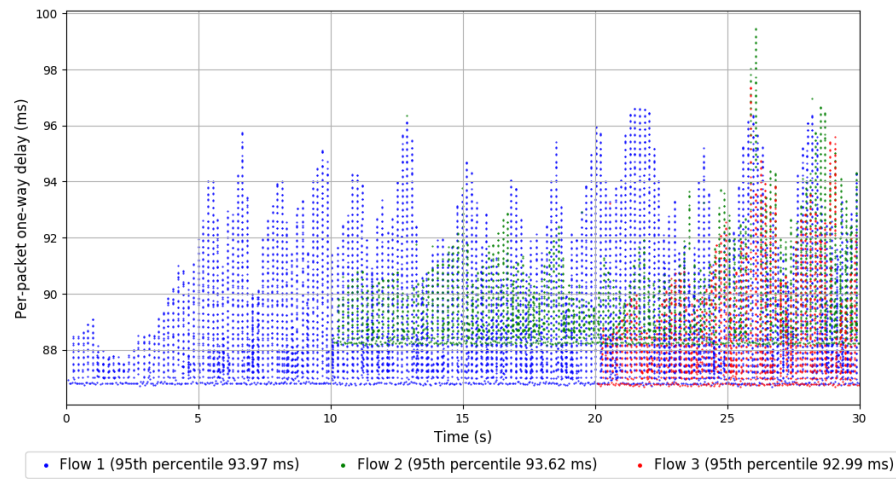
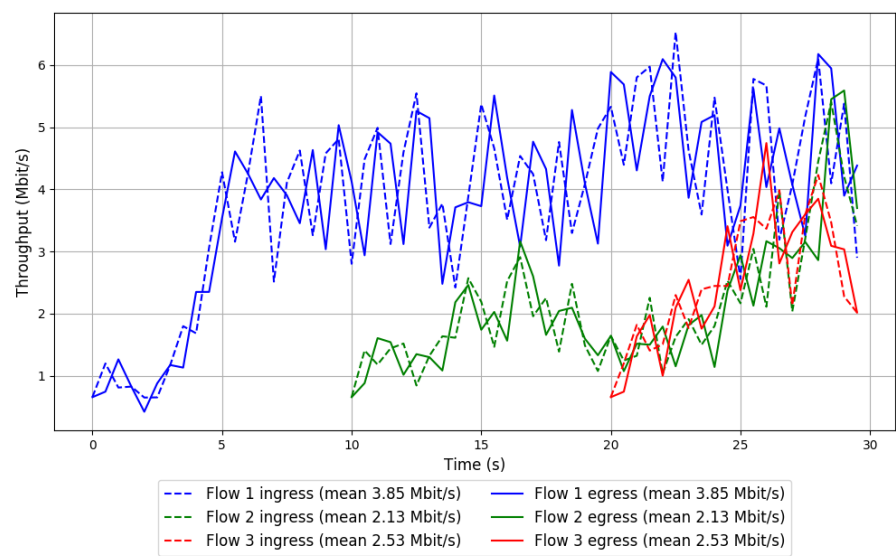


Run 2: Statistics of Sprout

Start at: 2018-02-16 15:08:51
End at: 2018-02-16 15:09:21
Local clock offset: -6.596 ms
Remote clock offset: 2.258 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 93.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 93.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 93.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 92.992 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

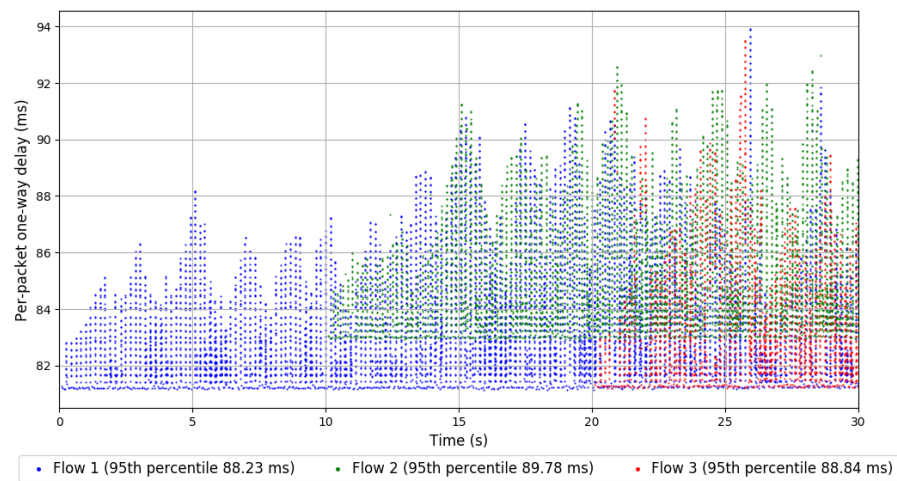
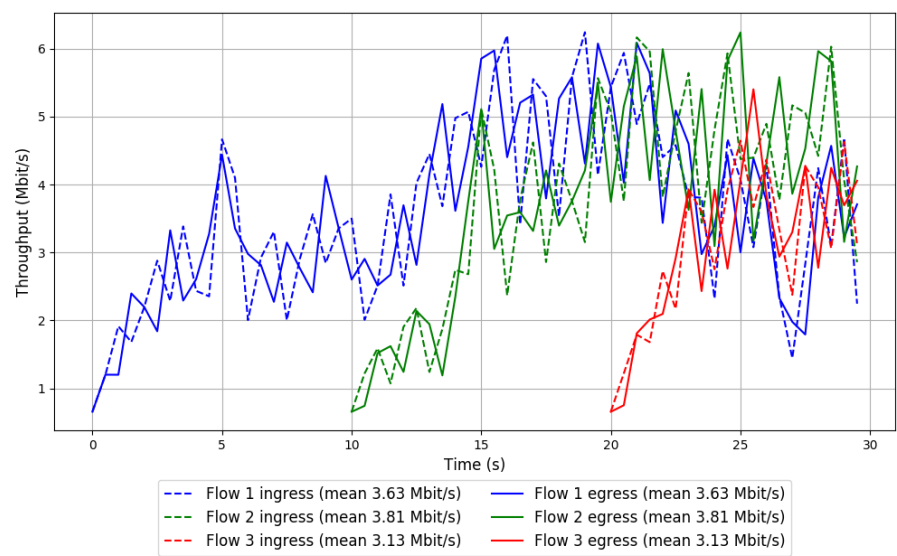


Run 3: Statistics of Sprout

Start at: 2018-02-16 15:32:20
End at: 2018-02-16 15:32:50
Local clock offset: -5.822 ms
Remote clock offset: -3.595 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 89.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 88.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 89.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 88.836 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

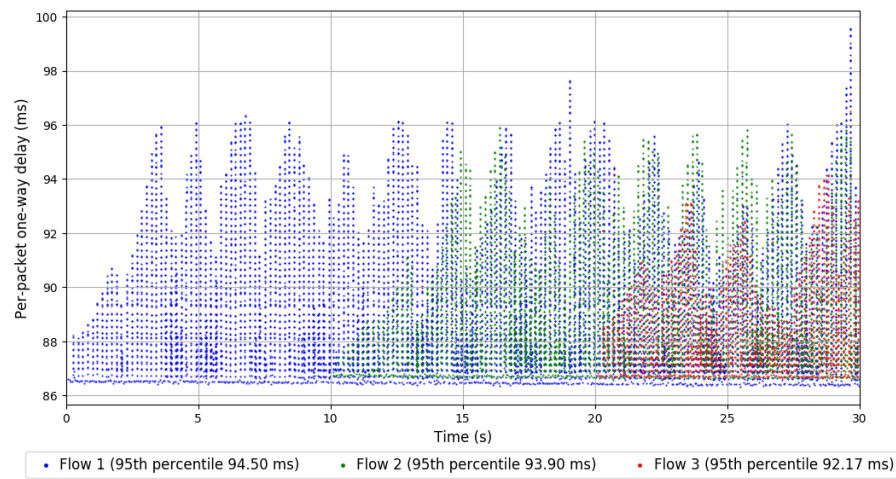
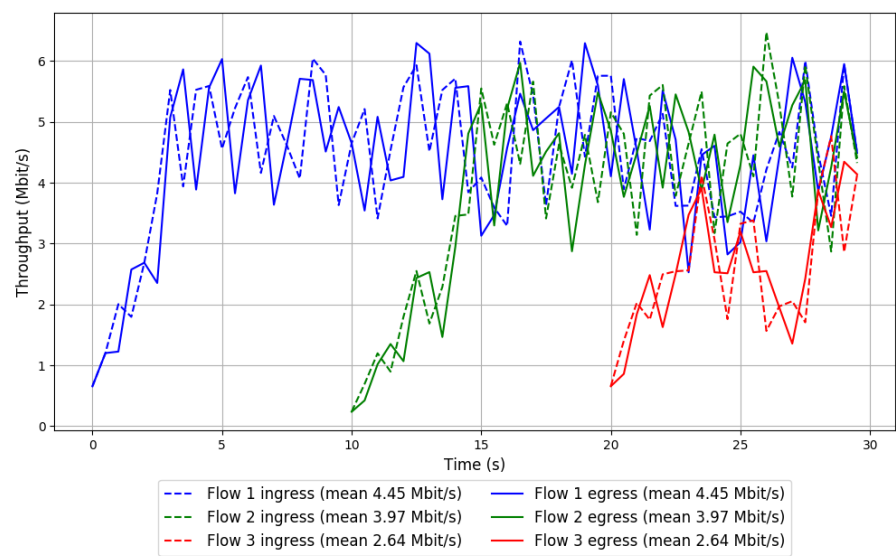


Run 4: Statistics of Sprout

Start at: 2018-02-16 15:55:53
End at: 2018-02-16 15:56:23
Local clock offset: -4.686 ms
Remote clock offset: 11.297 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 94.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 94.495 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 93.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 92.175 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

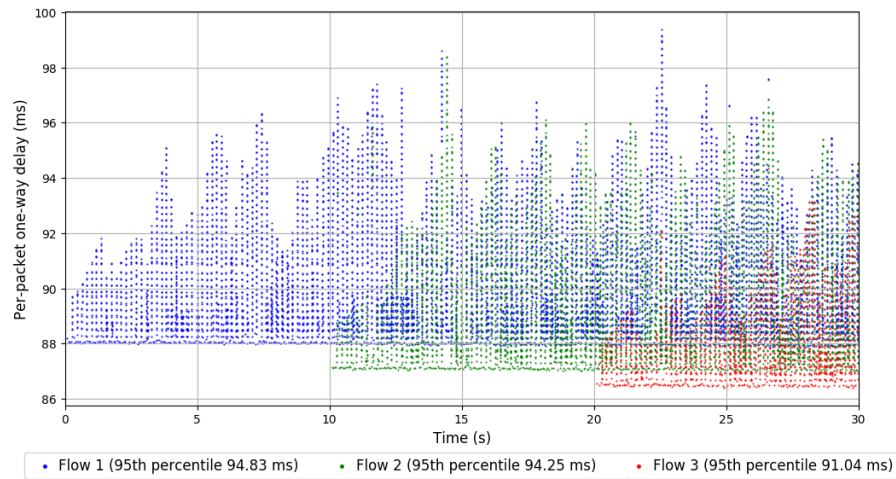
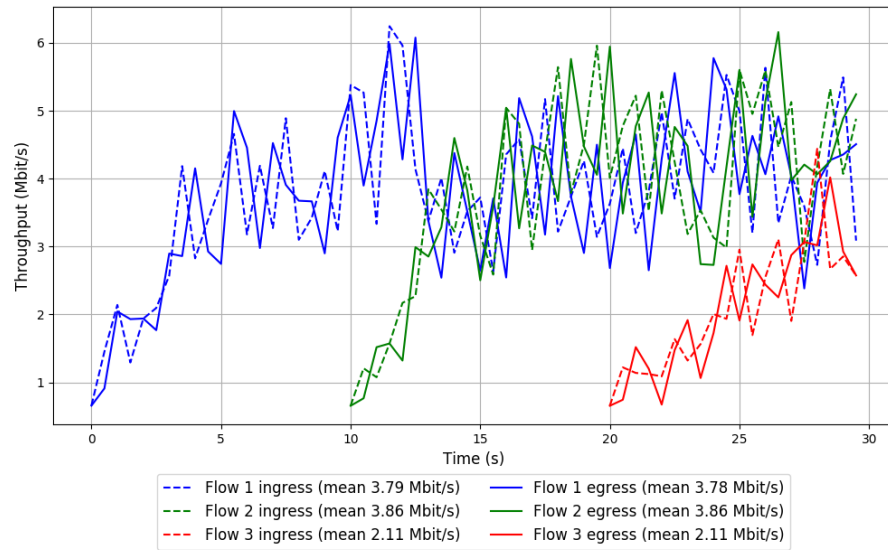


Run 5: Statistics of Sprout

Start at: 2018-02-16 16:19:25
End at: 2018-02-16 16:19:55
Local clock offset: -7.14 ms
Remote clock offset: 16.184 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 94.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 94.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 94.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 91.043 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

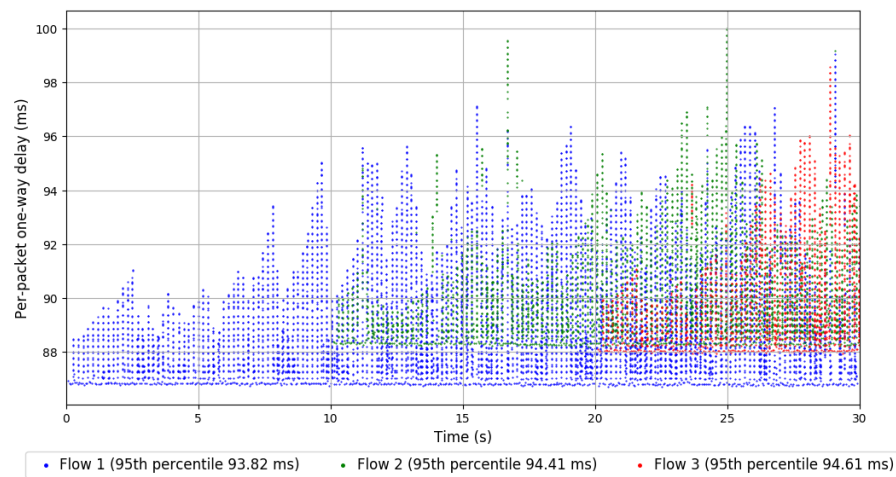
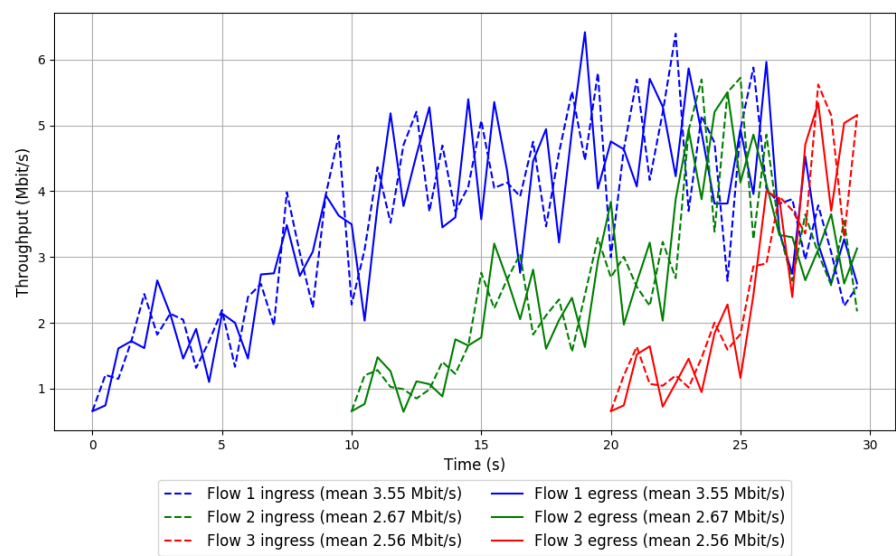


Run 6: Statistics of Sprout

Start at: 2018-02-16 16:43:17
End at: 2018-02-16 16:43:47
Local clock offset: -6.209 ms
Remote clock offset: 20.095 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 94.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 93.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 94.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 94.605 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

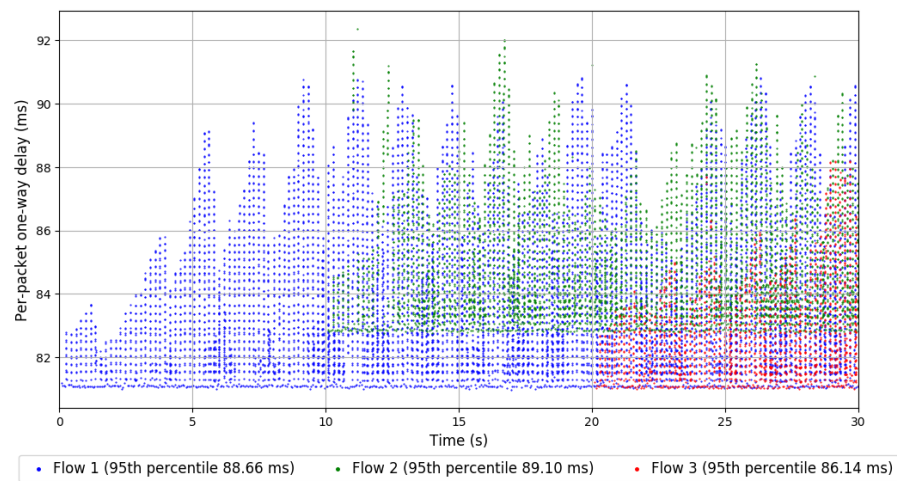
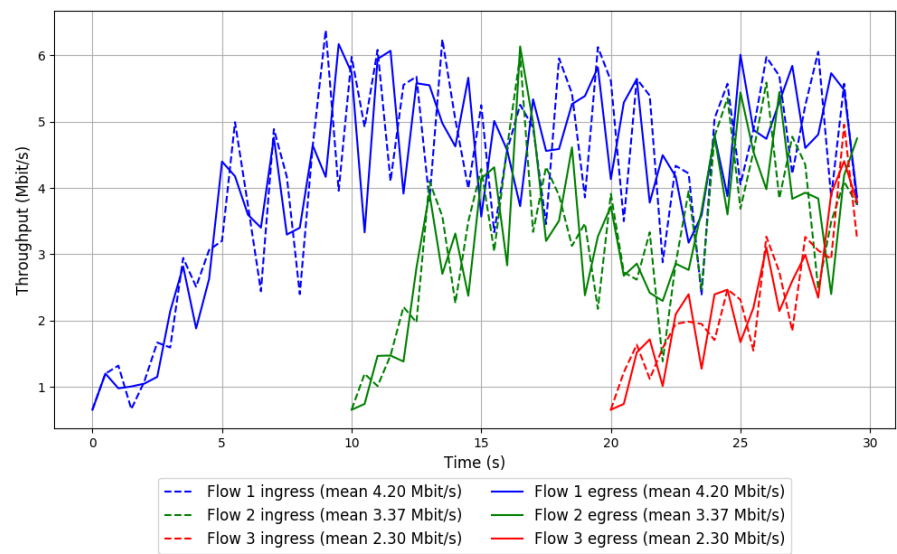


Run 7: Statistics of Sprout

Start at: 2018-02-16 17:07:04
End at: 2018-02-16 17:07:34
Local clock offset: -5.657 ms
Remote clock offset: 11.511 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 88.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 88.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 89.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 86.141 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

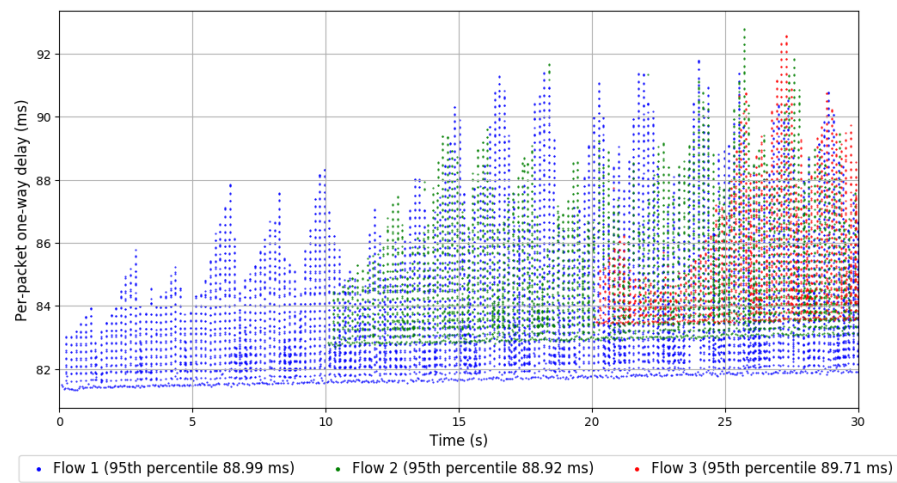
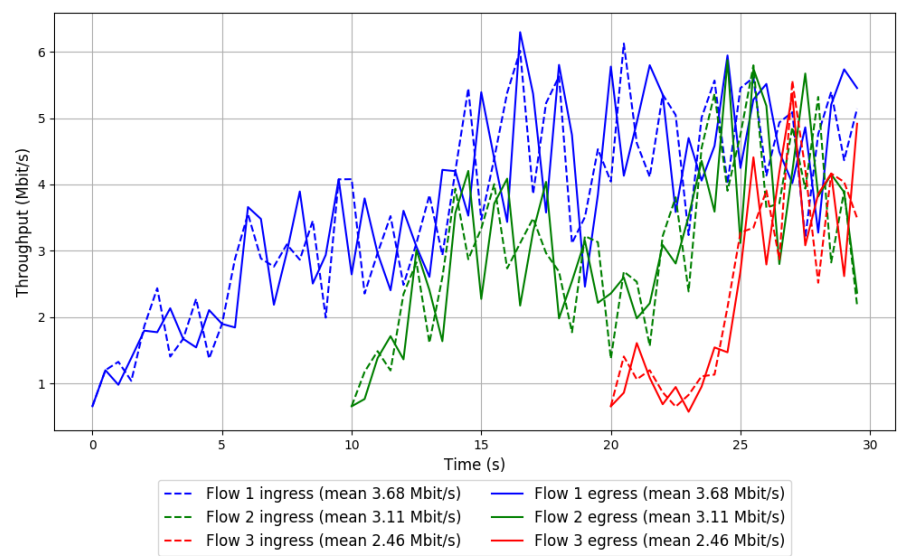


Run 8: Statistics of Sprout

Start at: 2018-02-16 17:30:34
End at: 2018-02-16 17:31:04
Local clock offset: -6.352 ms
Remote clock offset: 0.582 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 89.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 88.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 88.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 89.709 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

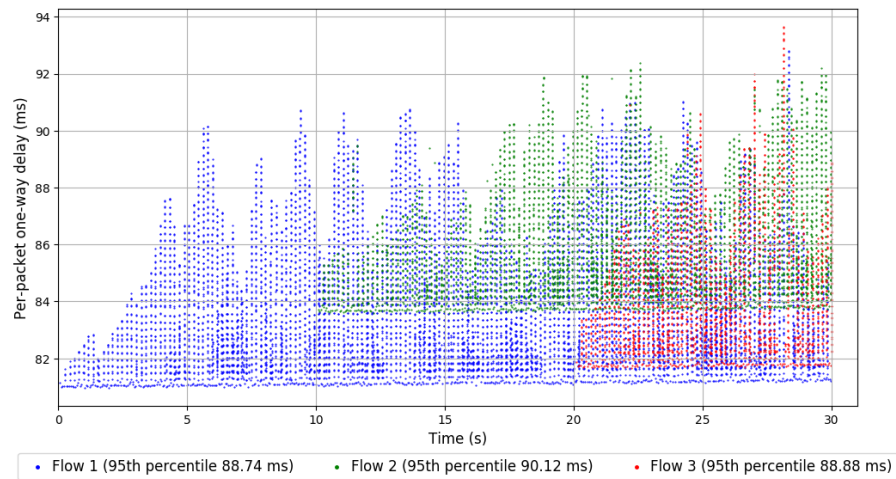
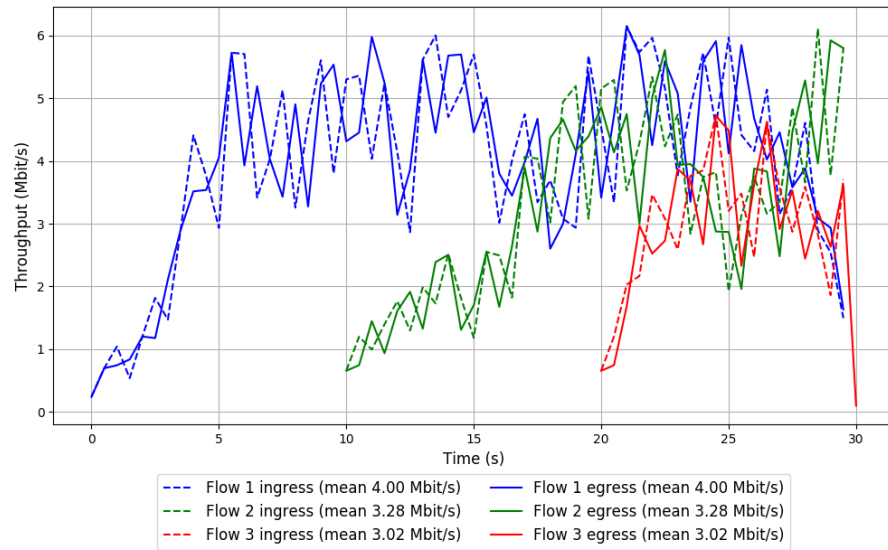


Run 9: Statistics of Sprout

Start at: 2018-02-16 17:54:02
End at: 2018-02-16 17:54:32
Local clock offset: -3.201 ms
Remote clock offset: -13.233 ms

Below is generated by plot.py at 2018-02-16 19:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 89.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 88.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 90.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 88.875 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

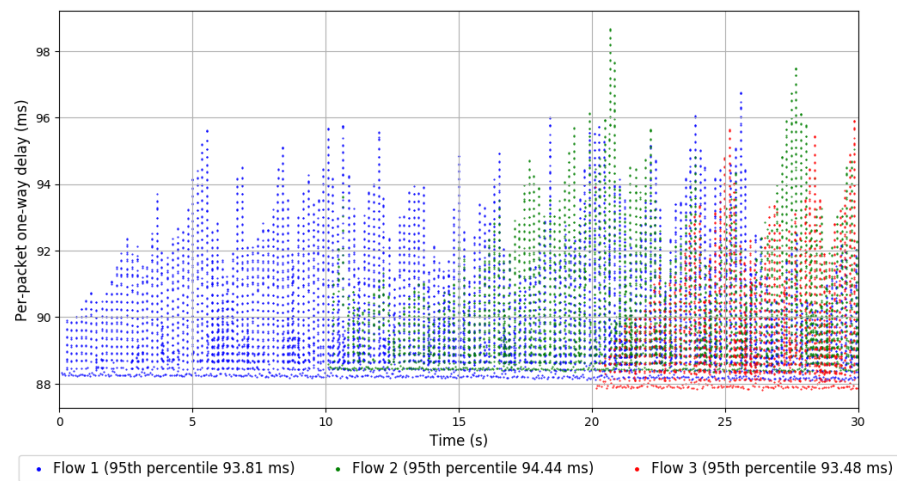
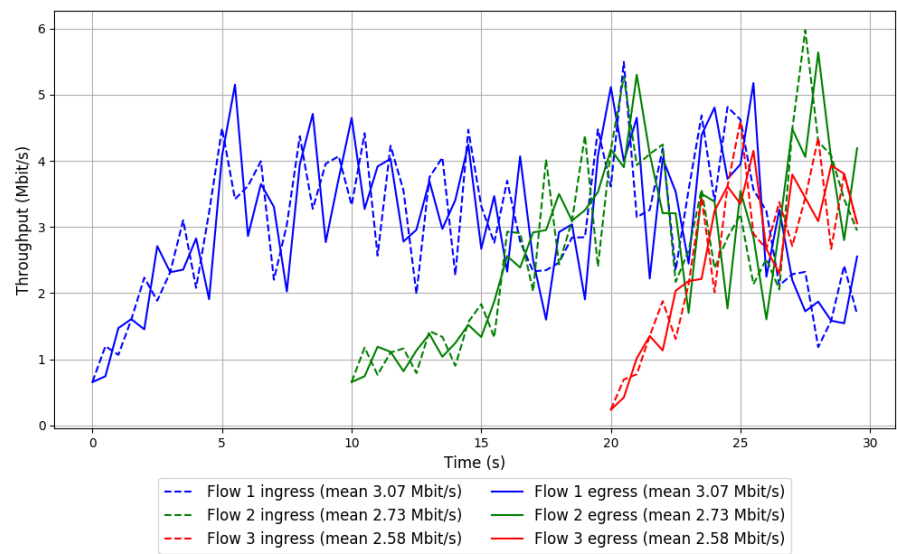


Run 10: Statistics of Sprout

Start at: 2018-02-16 18:17:53
End at: 2018-02-16 18:18:23
Local clock offset: -2.614 ms
Remote clock offset: -2.684 ms

```
# Below is generated by plot.py at 2018-02-16 19:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 93.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 93.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 94.440 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 93.478 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

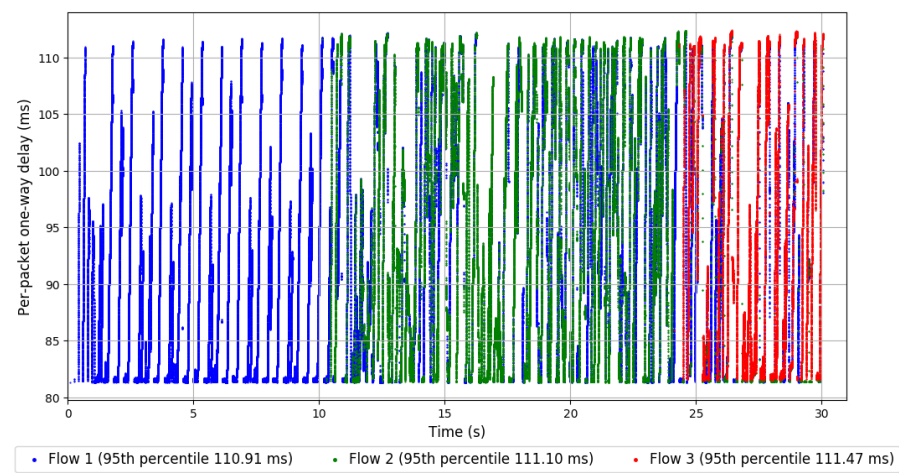
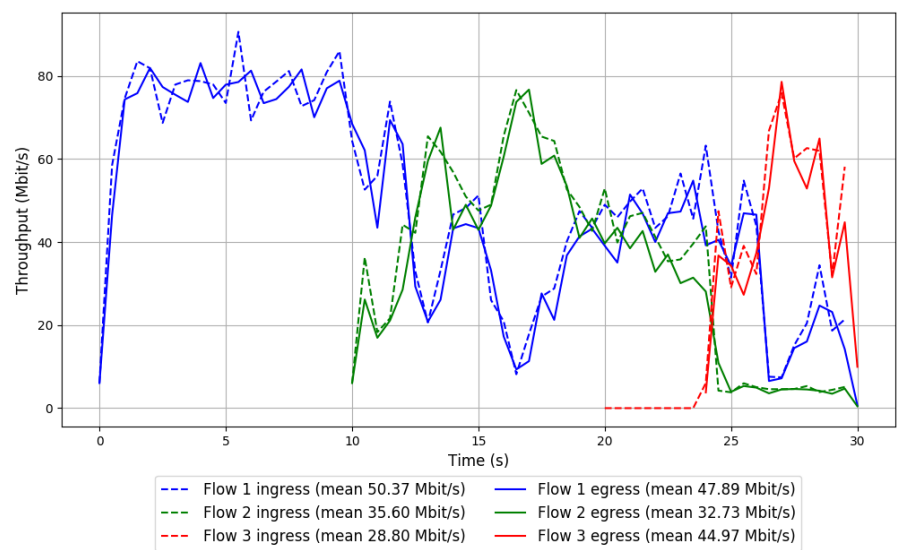


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 14:41:06
End at: 2018-02-16 14:41:36
Local clock offset: -3.489 ms
Remote clock offset: -3.474 ms

# Below is generated by plot.py at 2018-02-16 19:03:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 110.908 ms
Loss rate: 4.88%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 8.13%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 111.473 ms
Loss rate: 6.47%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 15:04:59

End at: 2018-02-16 15:05:29

Local clock offset: -6.305 ms

Remote clock offset: 2.319 ms

Below is generated by plot.py at 2018-02-16 19:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 117.023 ms

Loss rate: 5.68%

-- Flow 1:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 117.621 ms

Loss rate: 3.95%

-- Flow 2:

Average throughput: 35.14 Mbit/s

95th percentile per-packet one-way delay: 116.731 ms

Loss rate: 7.88%

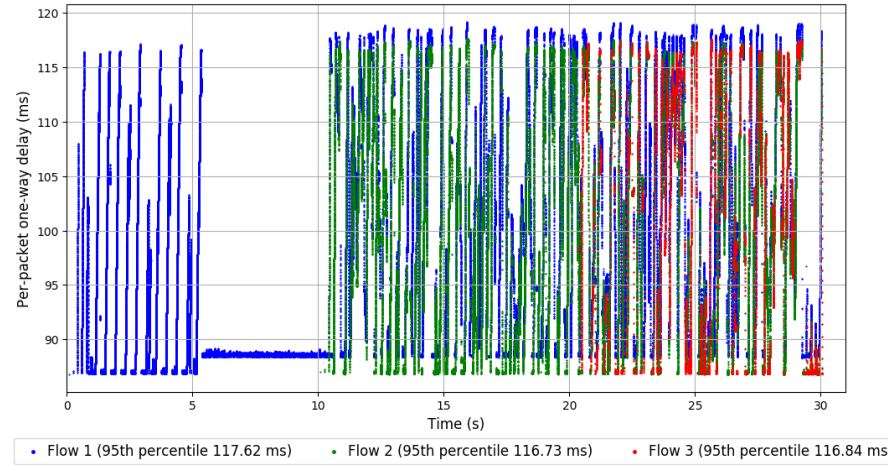
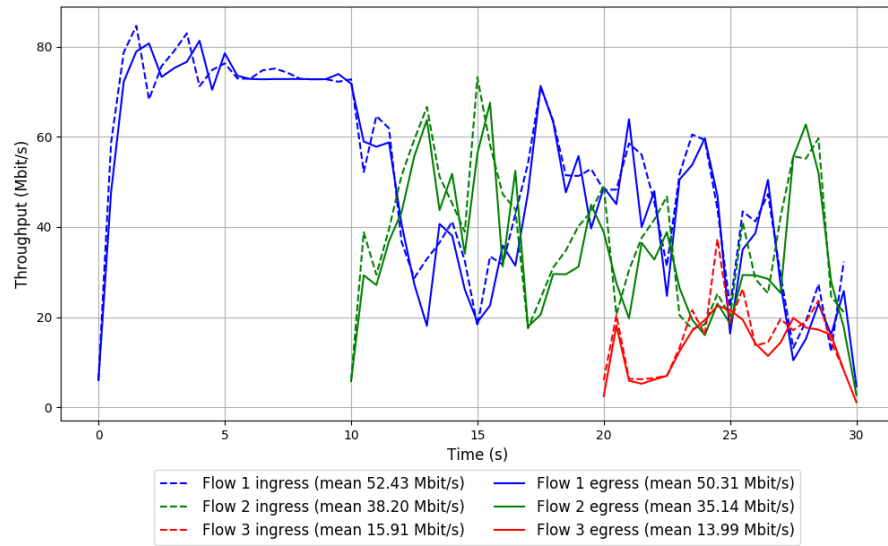
-- Flow 3:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 116.842 ms

Loss rate: 12.32%

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

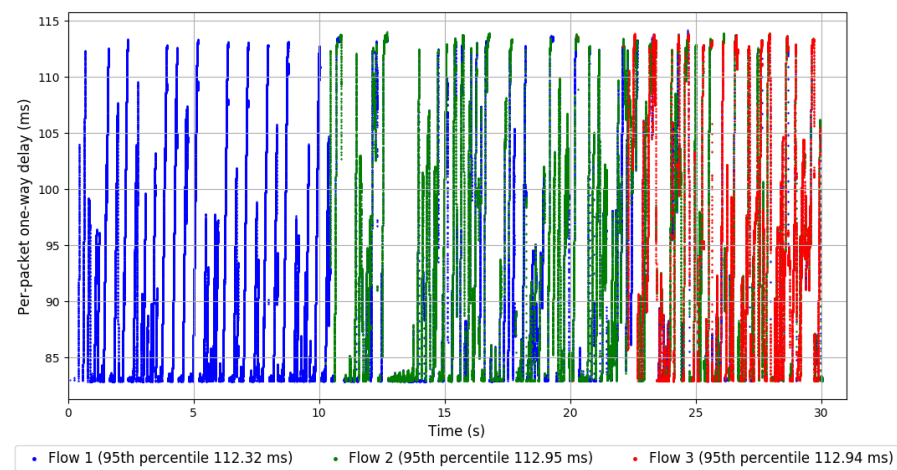
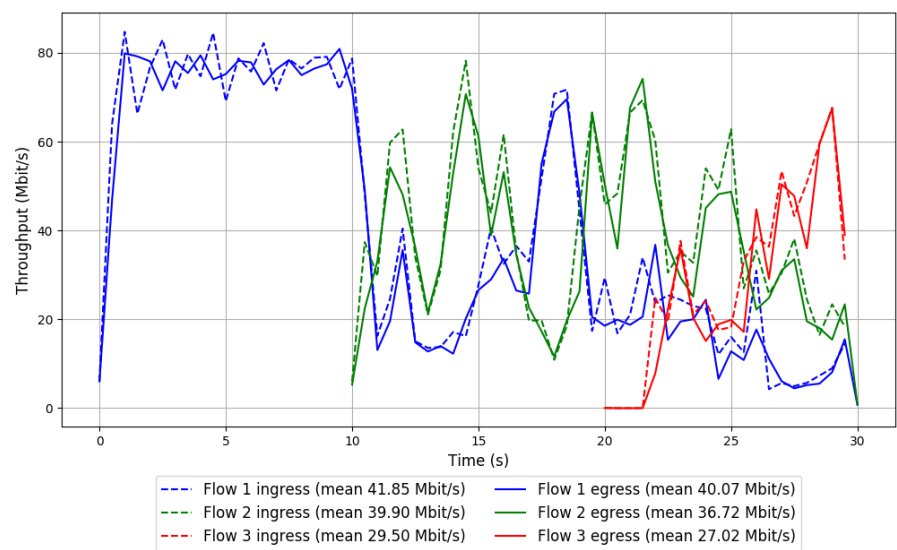


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 15:28:29
End at: 2018-02-16 15:28:59
Local clock offset: -6.265 ms
Remote clock offset: -3.533 ms

Below is generated by plot.py at 2018-02-16 19:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 112.648 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 112.320 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 112.946 ms
Loss rate: 7.98%
-- Flow 3:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 112.936 ms
Loss rate: 8.21%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 15:52:01

End at: 2018-02-16 15:52:31

Local clock offset: -4.717 ms

Remote clock offset: 4.359 ms

Below is generated by plot.py at 2018-02-16 19:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.33 Mbit/s

95th percentile per-packet one-way delay: 111.081 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 111.991 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 110.725 ms

Loss rate: 5.49%

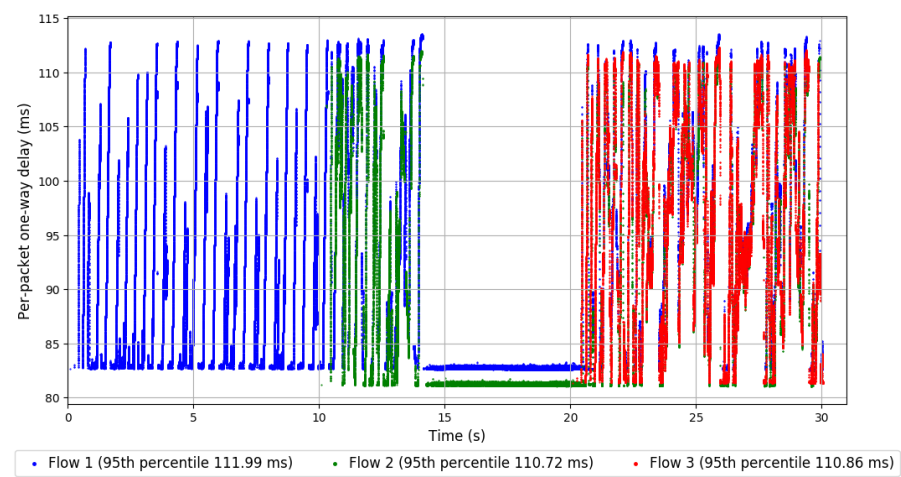
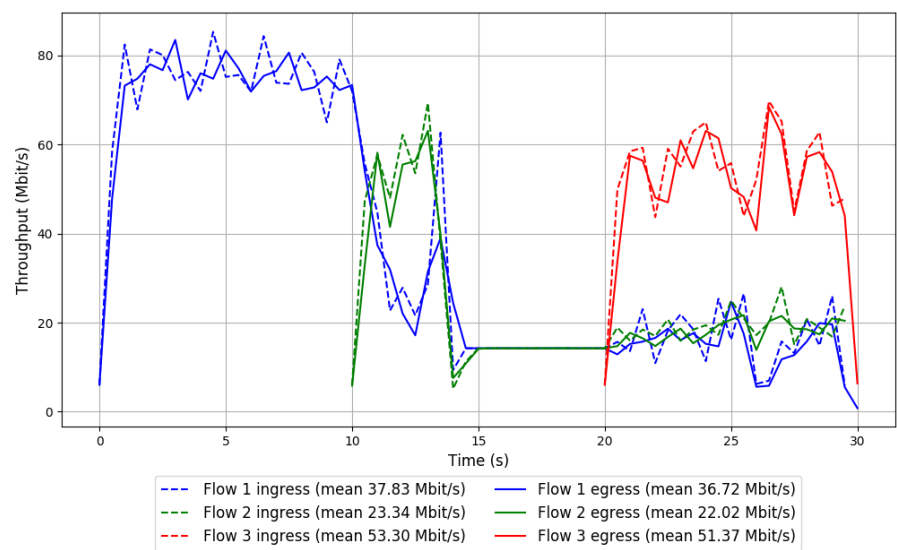
-- Flow 3:

Average throughput: 51.37 Mbit/s

95th percentile per-packet one-way delay: 110.864 ms

Loss rate: 3.61%

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

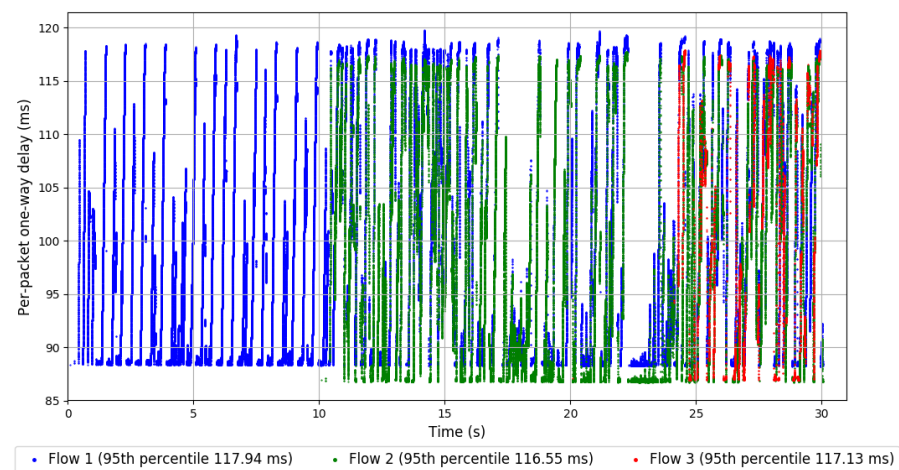
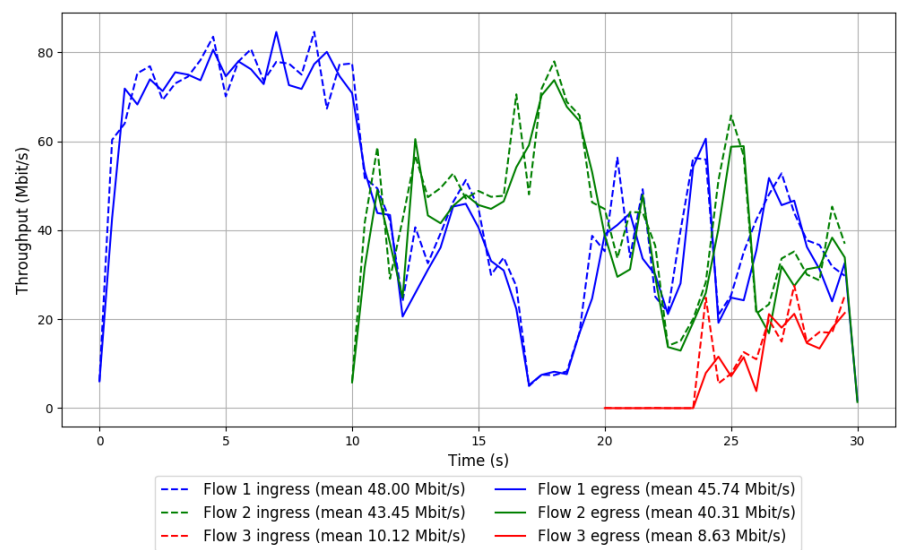


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 16:15:33
End at: 2018-02-16 16:16:03
Local clock offset: -6.917 ms
Remote clock offset: 15.259 ms

Below is generated by plot.py at 2018-02-16 19:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 117.625 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 45.74 Mbit/s
95th percentile per-packet one-way delay: 117.940 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 116.554 ms
Loss rate: 7.23%
-- Flow 3:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 117.132 ms
Loss rate: 14.41%

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

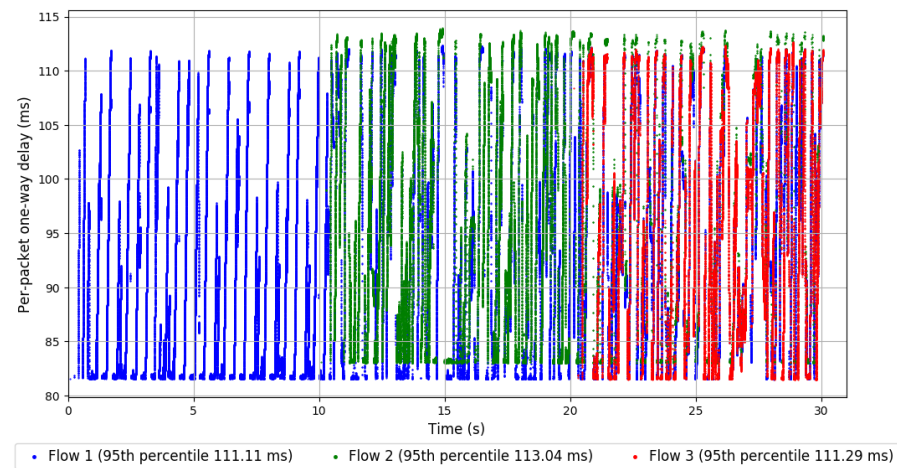
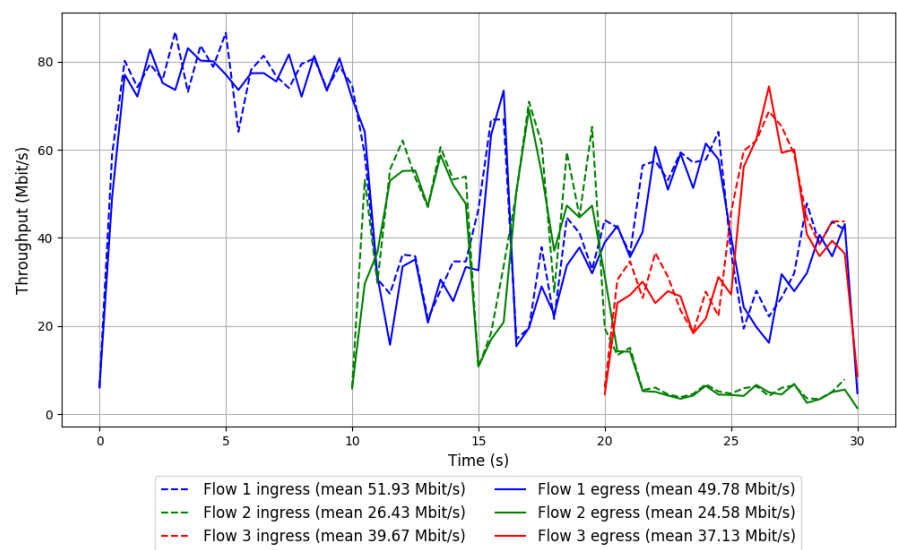


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 16:39:25
End at: 2018-02-16 16:39:55
Local clock offset: -6.446 ms
Remote clock offset: 13.816 ms

Below is generated by plot.py at 2018-02-16 19:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 111.486 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 4.05%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 113.041 ms
Loss rate: 6.86%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 6.36%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 17:03:12

End at: 2018-02-16 17:03:42

Local clock offset: -5.636 ms

Remote clock offset: 17.38 ms

Below is generated by plot.py at 2018-02-16 19:03:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 116.737 ms

Loss rate: 6.30%

-- Flow 1:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 116.314 ms

Loss rate: 4.75%

-- Flow 2:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 117.063 ms

Loss rate: 7.97%

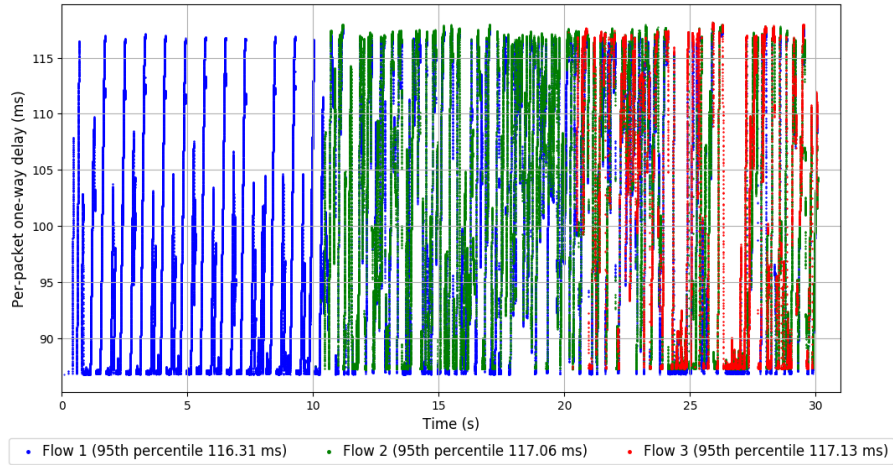
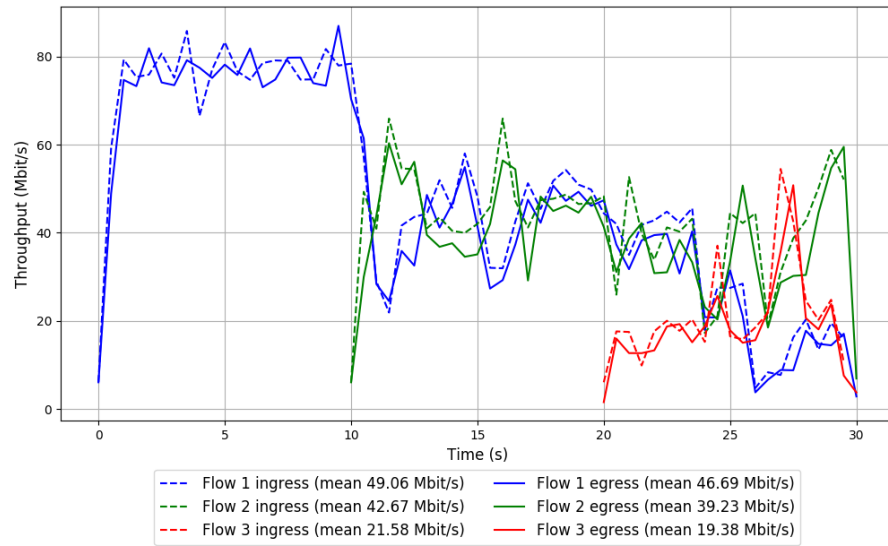
-- Flow 3:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 117.132 ms

Loss rate: 10.30%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 17:26:42

End at: 2018-02-16 17:27:12

Local clock offset: -6.332 ms

Remote clock offset: 5.7 ms

Below is generated by plot.py at 2018-02-16 19:03:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 113.104 ms

Loss rate: 5.42%

-- Flow 1:

Average throughput: 47.30 Mbit/s

95th percentile per-packet one-way delay: 112.634 ms

Loss rate: 4.05%

-- Flow 2:

Average throughput: 38.74 Mbit/s

95th percentile per-packet one-way delay: 113.681 ms

Loss rate: 7.13%

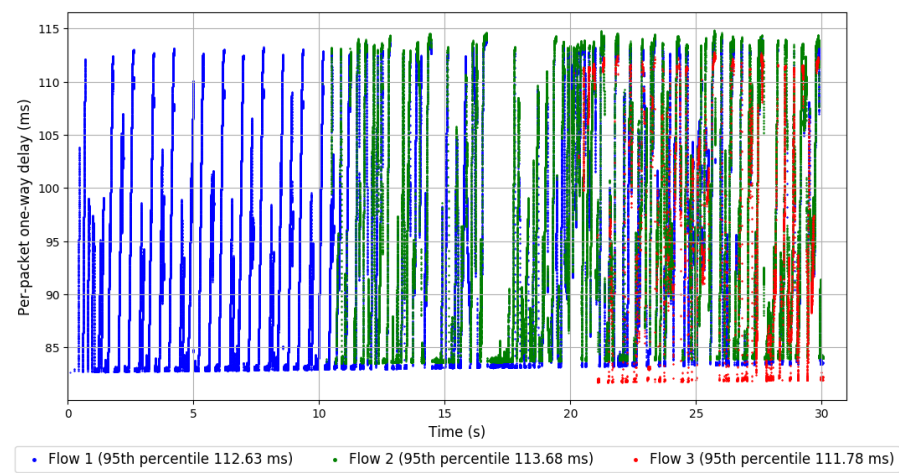
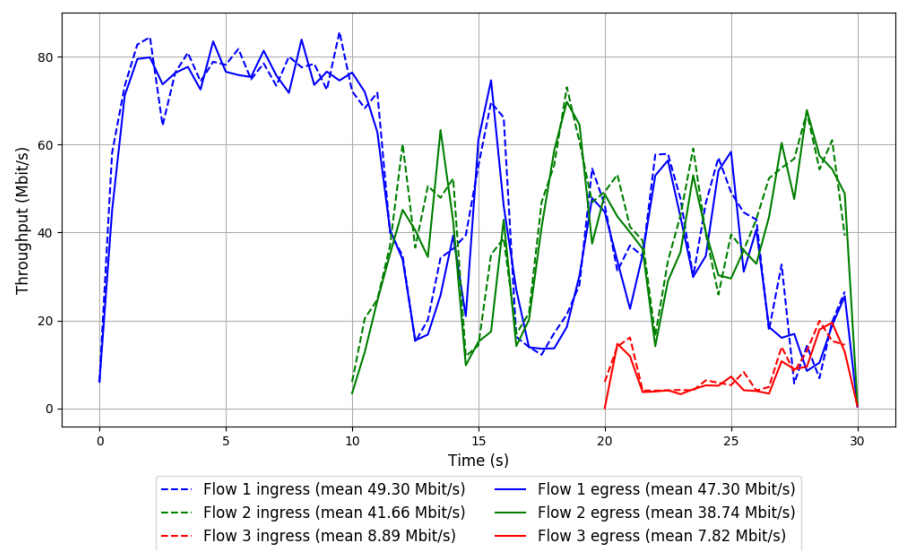
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 111.785 ms

Loss rate: 12.26%

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

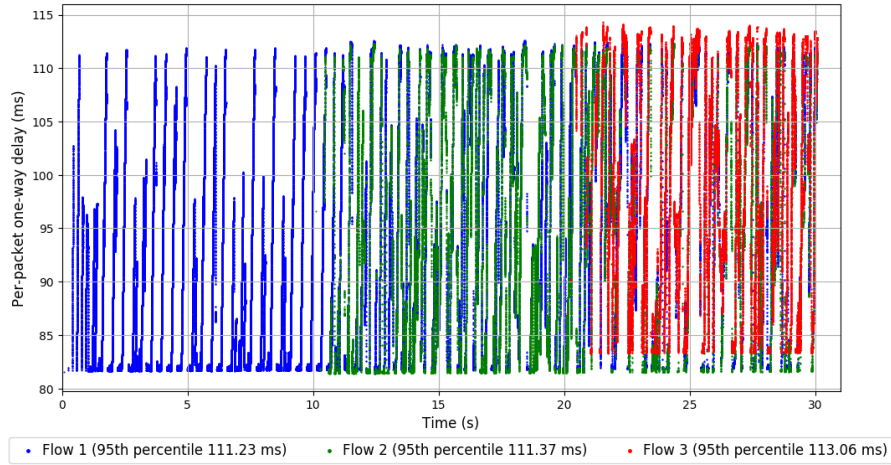
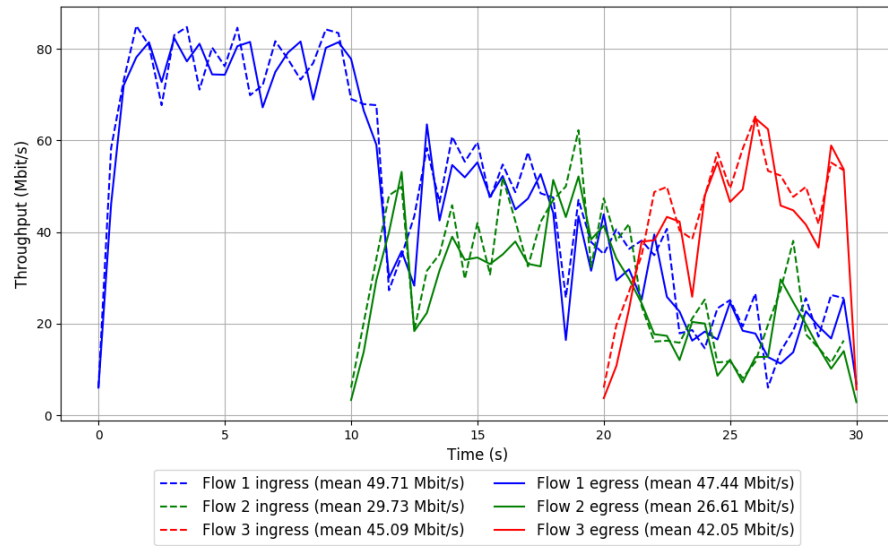


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 17:50:10
End at: 2018-02-16 17:50:40
Local clock offset: -3.802 ms
Remote clock offset: -11.899 ms

Below is generated by plot.py at 2018-02-16 19:04:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 111.623 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 111.228 ms
Loss rate: 4.47%
-- Flow 2:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 111.371 ms
Loss rate: 10.40%
-- Flow 3:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 113.059 ms
Loss rate: 6.49%

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

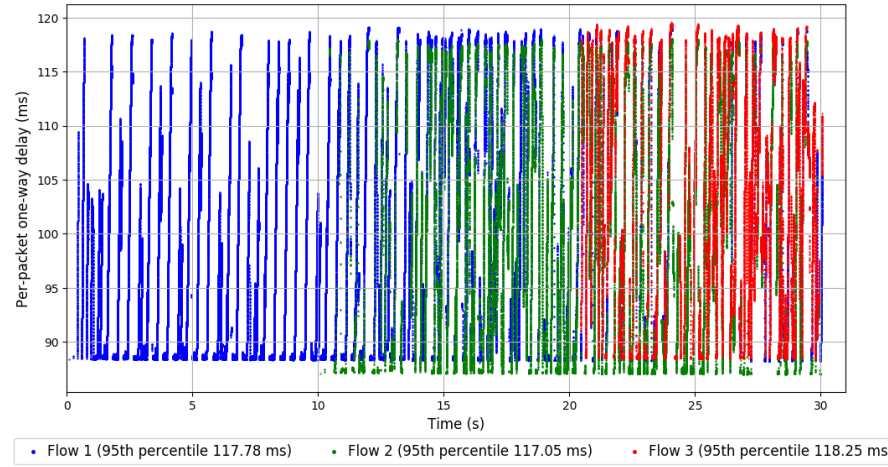
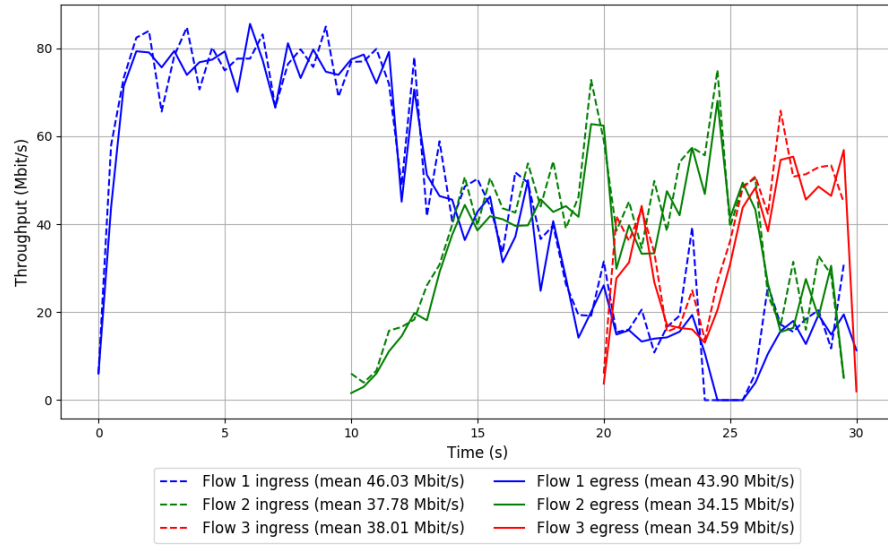


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 18:14:01
End at: 2018-02-16 18:14:31
Local clock offset: -1.439 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 117.684 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 117.779 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 117.051 ms
Loss rate: 9.60%
-- Flow 3:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 118.253 ms
Loss rate: 9.00%

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

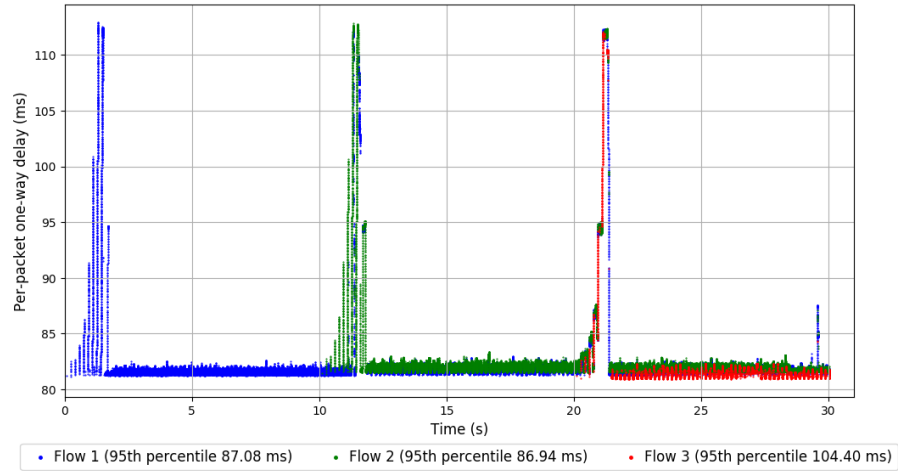
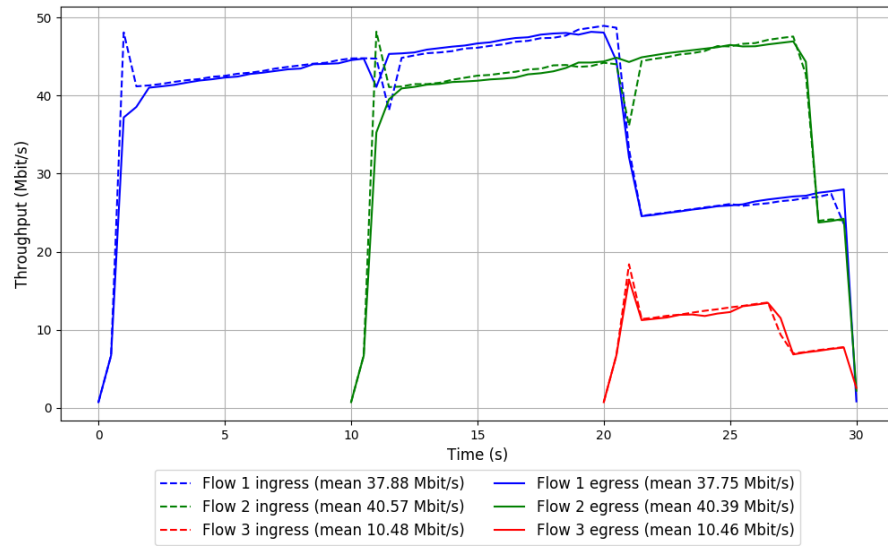


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 14:46:12
End at: 2018-02-16 14:46:42
Local clock offset: -3.246 ms
Remote clock offset: -3.558 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 87.309 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 104.396 ms
Loss rate: 0.20%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 15:10:05

End at: 2018-02-16 15:10:35

Local clock offset: -6.69 ms

Remote clock offset: 2.208 ms

Below is generated by plot.py at 2018-02-16 19:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.40 Mbit/s

95th percentile per-packet one-way delay: 97.186 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 18.11 Mbit/s

95th percentile per-packet one-way delay: 99.131 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 96.481 ms

Loss rate: 0.60%

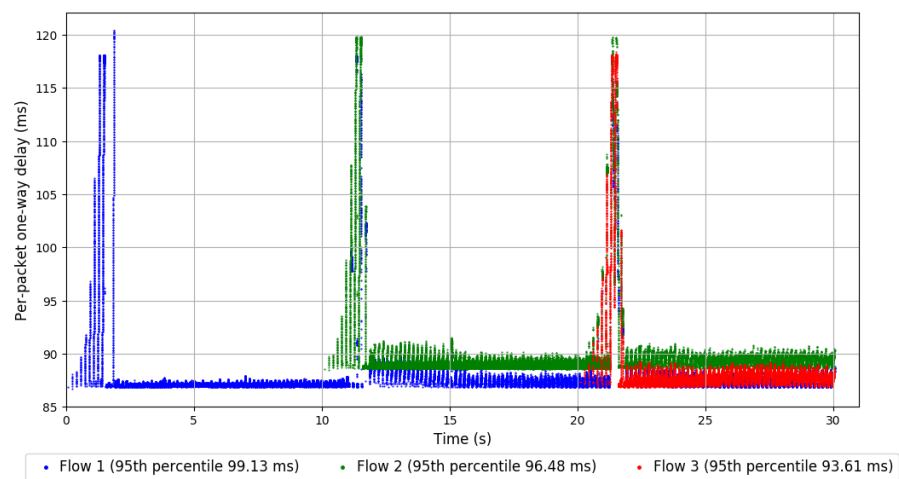
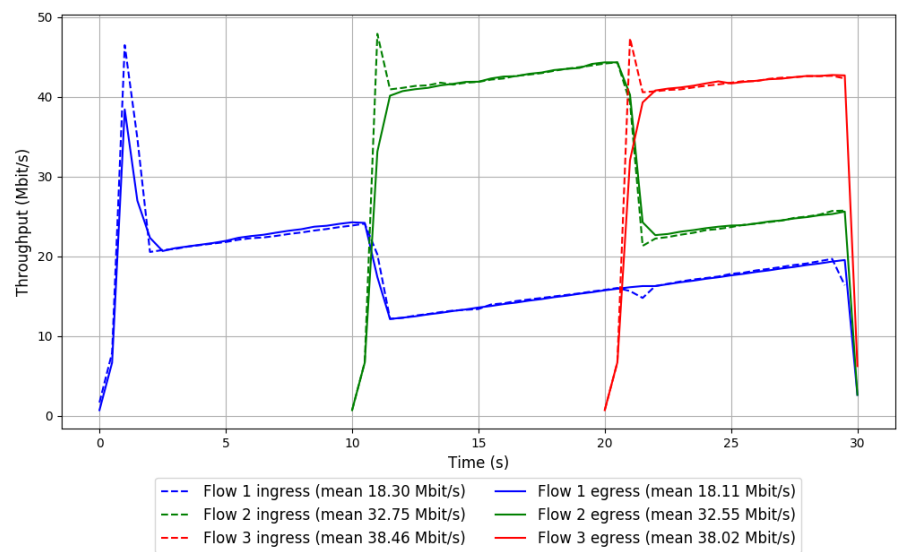
-- Flow 3:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 93.605 ms

Loss rate: 1.14%

Run 2: Report of TCP Vegas — Data Link

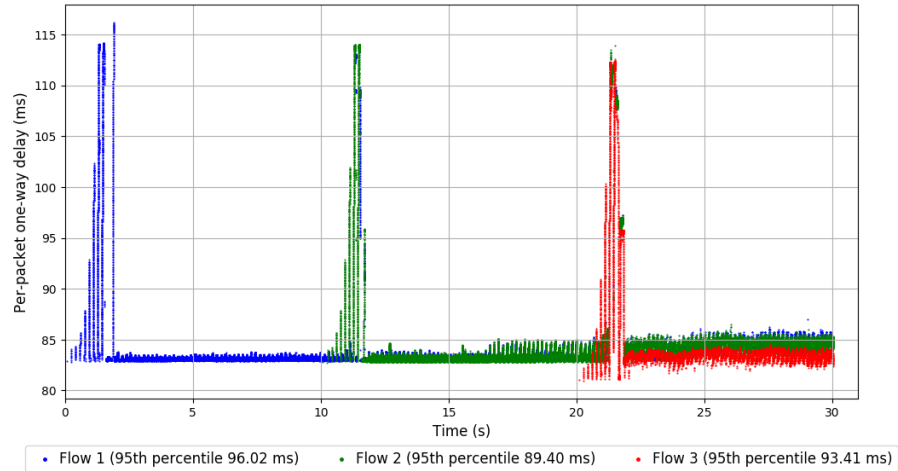
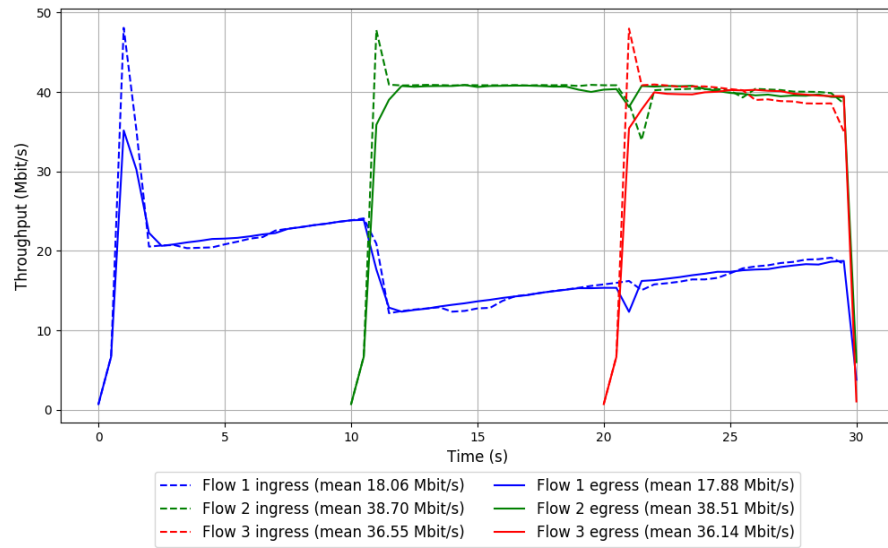


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 15:33:34
End at: 2018-02-16 15:34:04
Local clock offset: -5.756 ms
Remote clock offset: -3.615 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 93.363 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 96.019 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 89.404 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 93.414 ms
Loss rate: 1.09%

Run 3: Report of TCP Vegas — Data Link

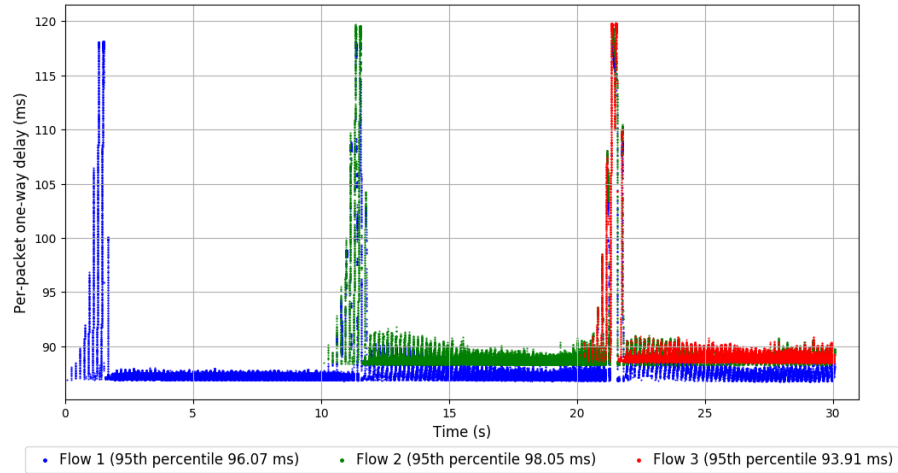
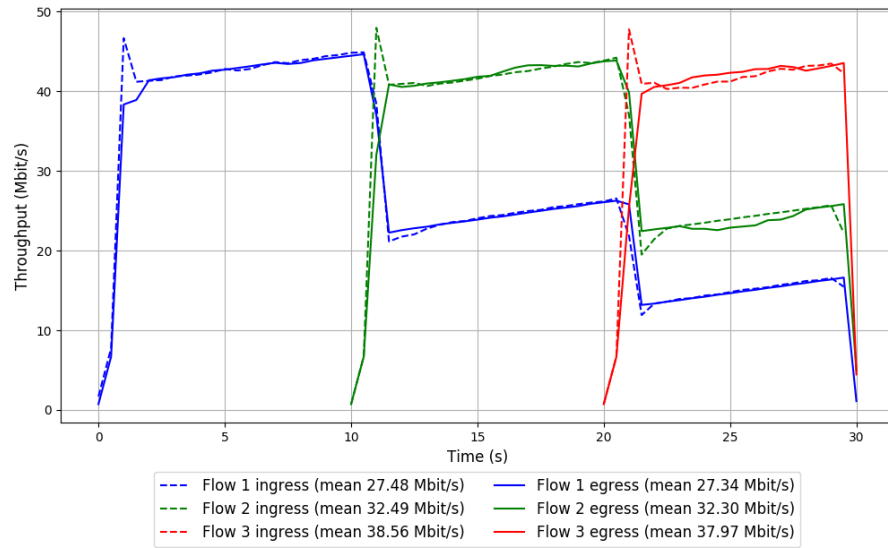


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 15:57:07
End at: 2018-02-16 15:57:37
Local clock offset: -4.565 ms
Remote clock offset: 11.746 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 96.474 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 96.066 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 98.046 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 93.914 ms
Loss rate: 1.52%

Run 4: Report of TCP Vegas — Data Link

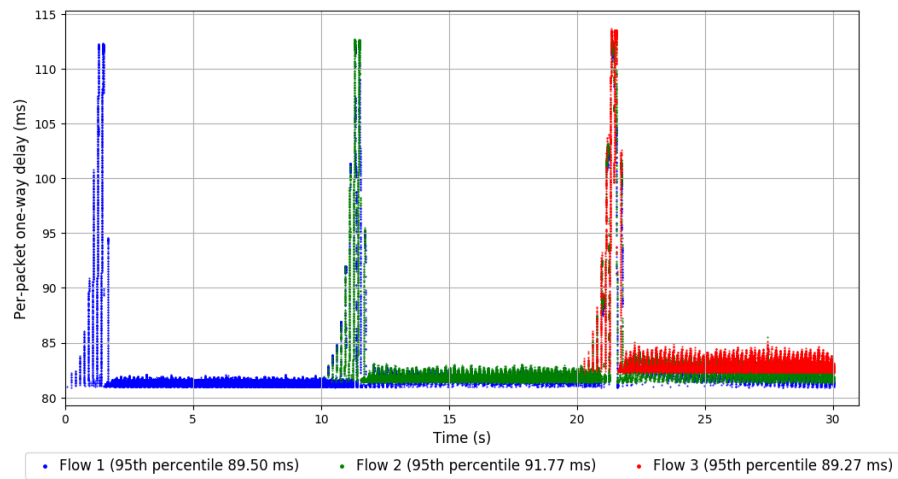
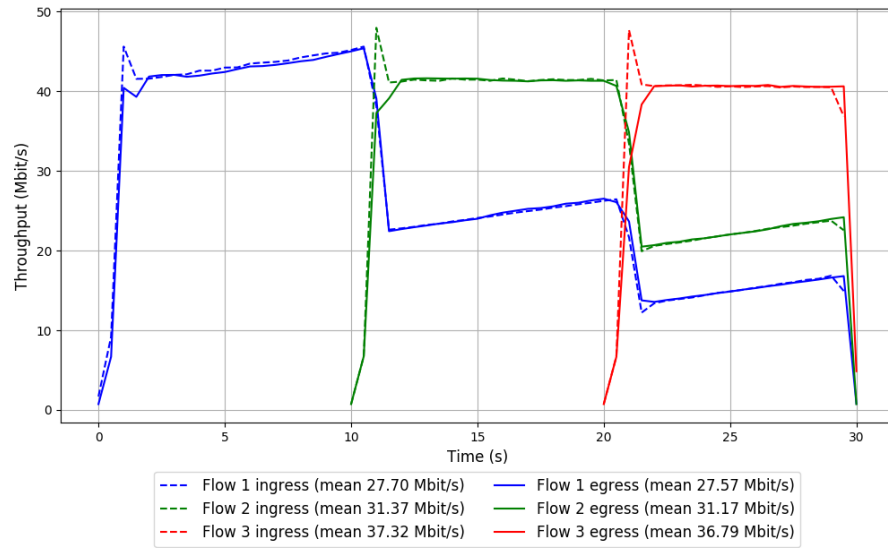


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 16:20:39
End at: 2018-02-16 16:21:09
Local clock offset: -7.129 ms
Remote clock offset: 10.705 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 90.343 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 89.498 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 91.772 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 89.270 ms
Loss rate: 1.42%

Run 5: Report of TCP Vegas — Data Link

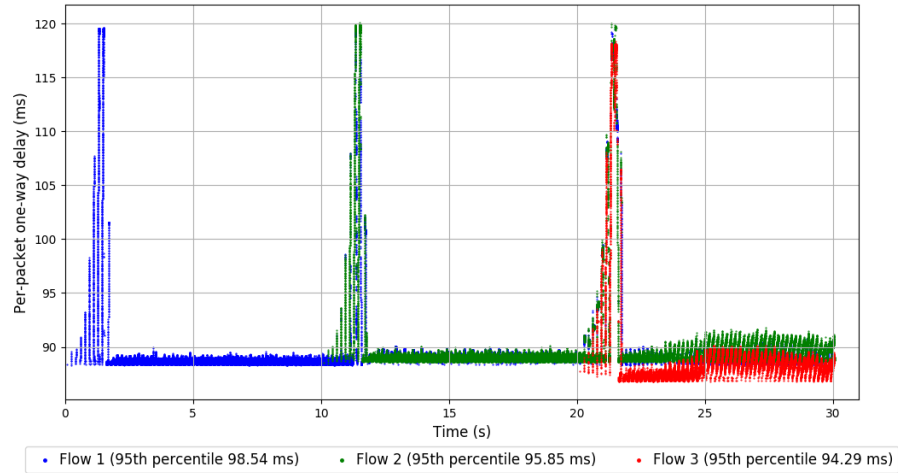
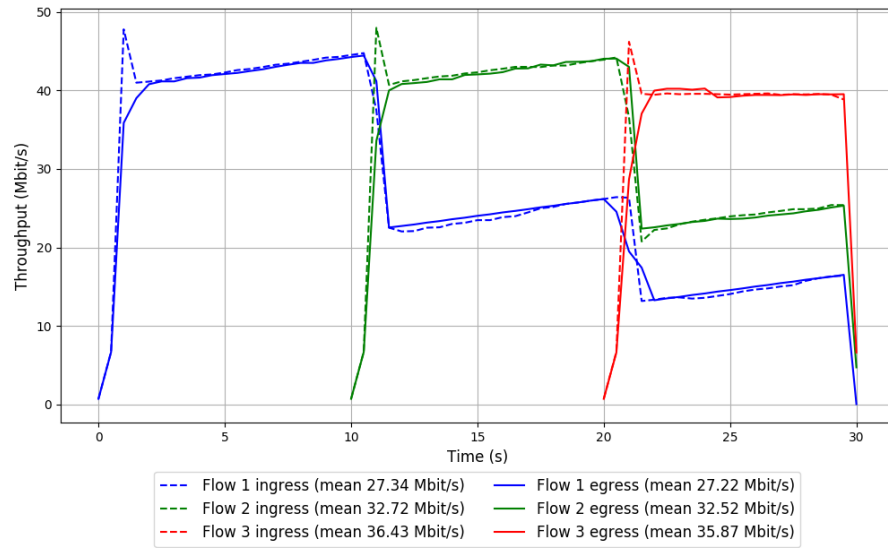


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 16:44:31
End at: 2018-02-16 16:45:01
Local clock offset: -6.102 ms
Remote clock offset: 20.239 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 96.635 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 98.543 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 95.847 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 94.289 ms
Loss rate: 1.54%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 17:08:18

End at: 2018-02-16 17:08:48

Local clock offset: -5.779 ms

Remote clock offset: 11.4 ms

Below is generated by plot.py at 2018-02-16 19:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 91.336 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 96.360 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 88.719 ms

Loss rate: 0.60%

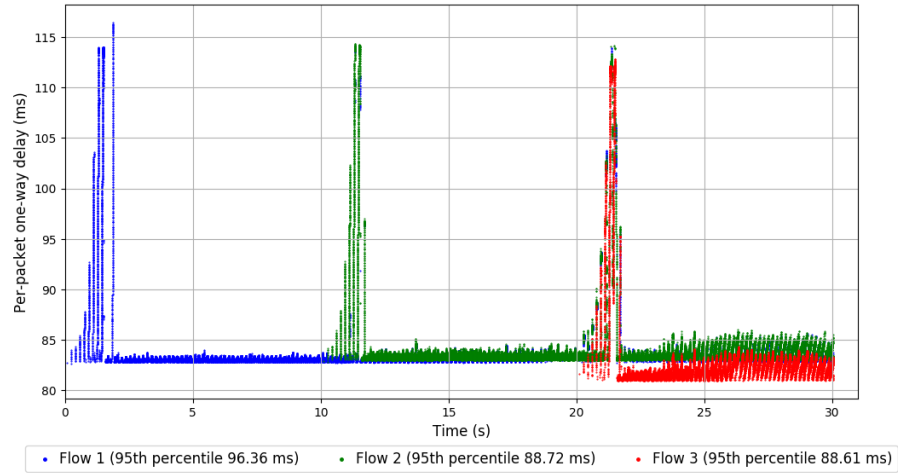
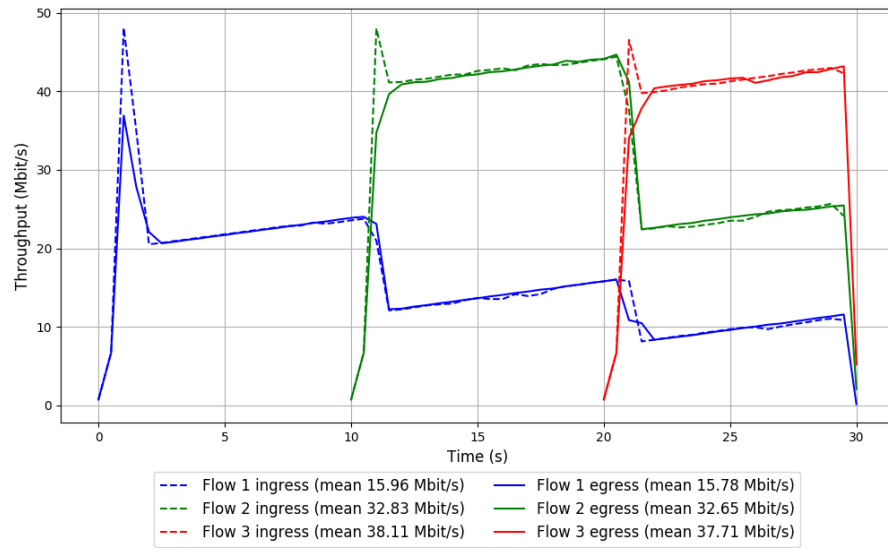
-- Flow 3:

Average throughput: 37.71 Mbit/s

95th percentile per-packet one-way delay: 88.607 ms

Loss rate: 1.07%

Run 7: Report of TCP Vegas — Data Link

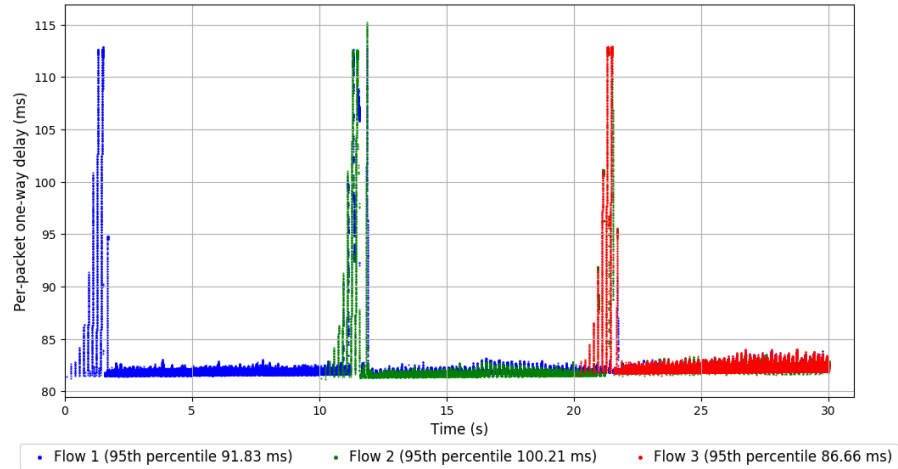
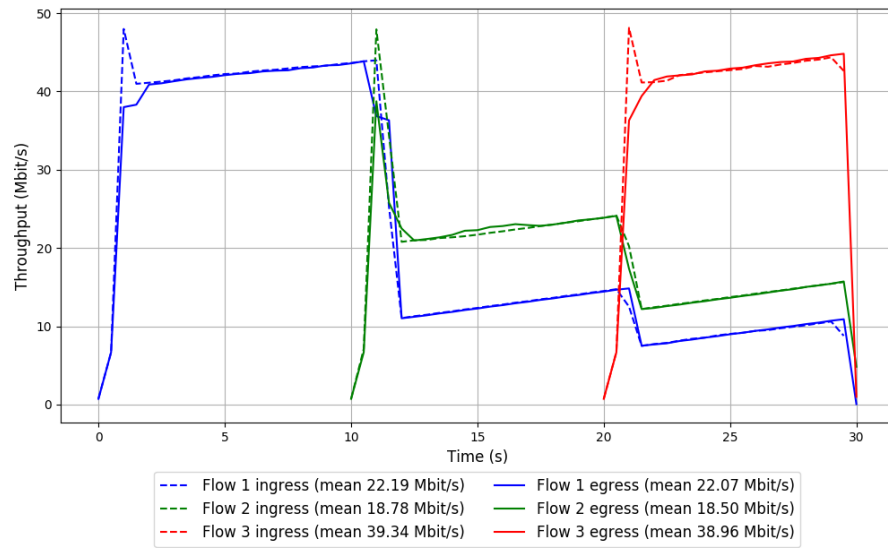


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 17:31:48
End at: 2018-02-16 17:32:18
Local clock offset: -6.365 ms
Remote clock offset: -0.807 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 93.291 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 91.828 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 100.213 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 0.95%

Run 8: Report of TCP Vegas — Data Link

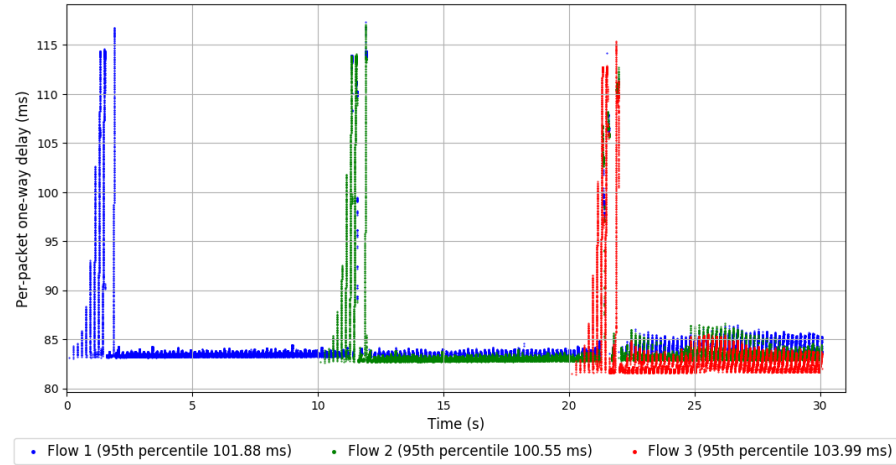
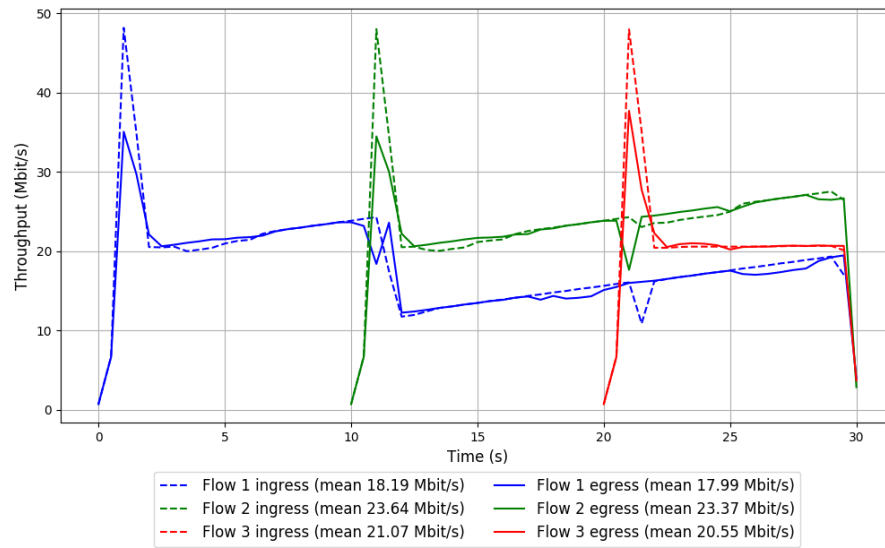


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 17:55:16
End at: 2018-02-16 17:55:46
Local clock offset: -3.077 ms
Remote clock offset: -13.695 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 102.074 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 101.877 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 100.545 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 103.988 ms
Loss rate: 2.49%

Run 9: Report of TCP Vegas — Data Link

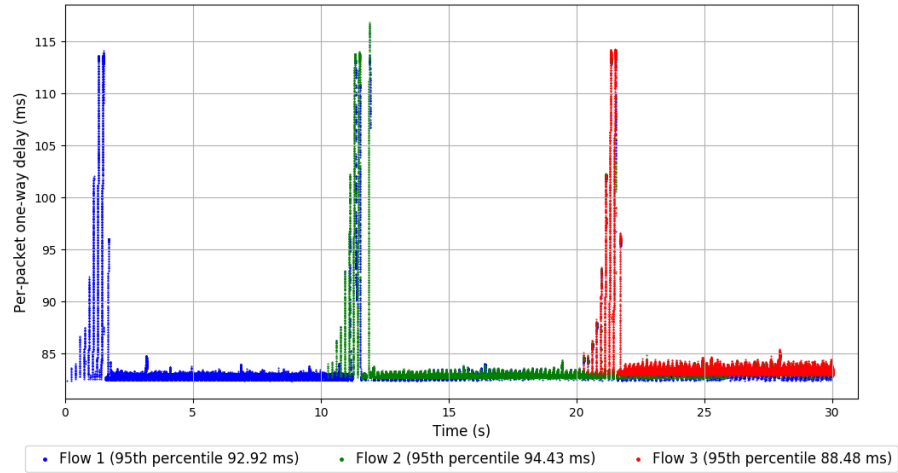
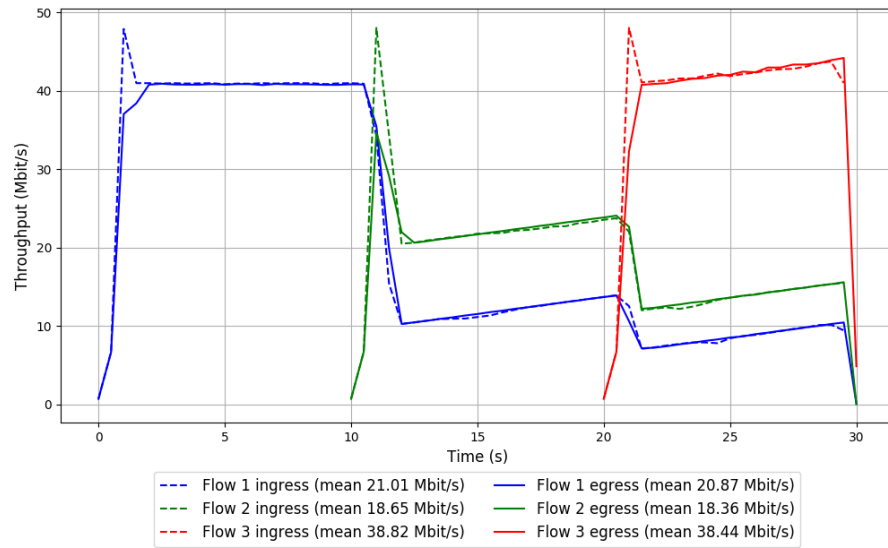


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 18:19:07
End at: 2018-02-16 18:19:37
Local clock offset: -2.991 ms
Remote clock offset: -8.486 ms

Below is generated by plot.py at 2018-02-16 19:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 92.342 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 92.918 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 94.429 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 88.478 ms
Loss rate: 0.97%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-16 14:47:42

End at: 2018-02-16 14:48:12

Local clock offset: -3.255 ms

Remote clock offset: 2.159 ms

Below is generated by plot.py at 2018-02-16 19:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.25 Mbit/s

95th percentile per-packet one-way delay: 164.463 ms

Loss rate: 76.68%

-- Flow 1:

Average throughput: 17.18 Mbit/s

95th percentile per-packet one-way delay: 117.642 ms

Loss rate: 21.05%

-- Flow 2:

Average throughput: 37.75 Mbit/s

95th percentile per-packet one-way delay: 166.715 ms

Loss rate: 84.27%

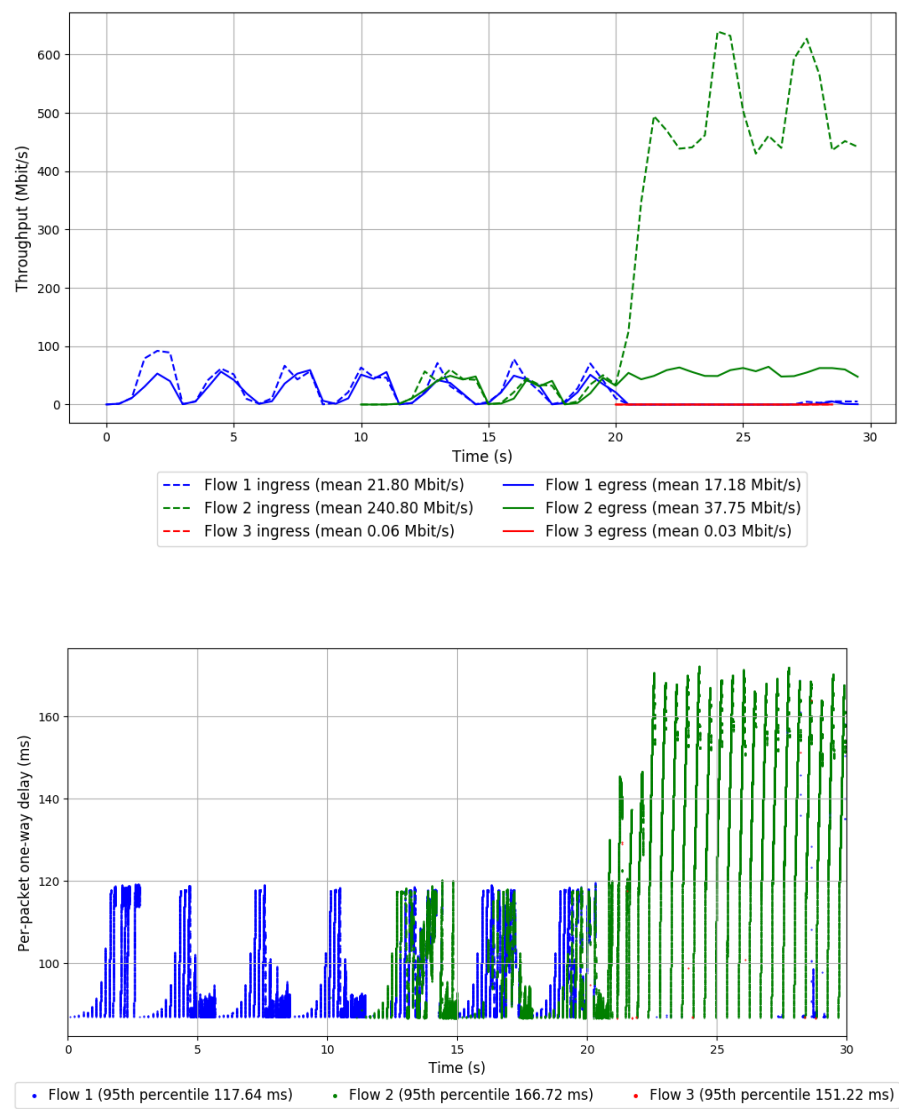
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 151.218 ms

Loss rate: 58.70%

Run 1: Report of Verus — Data Link

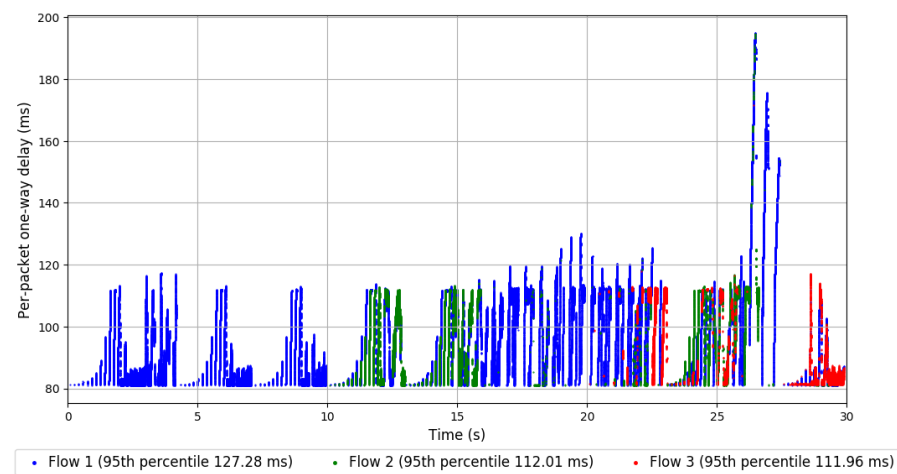
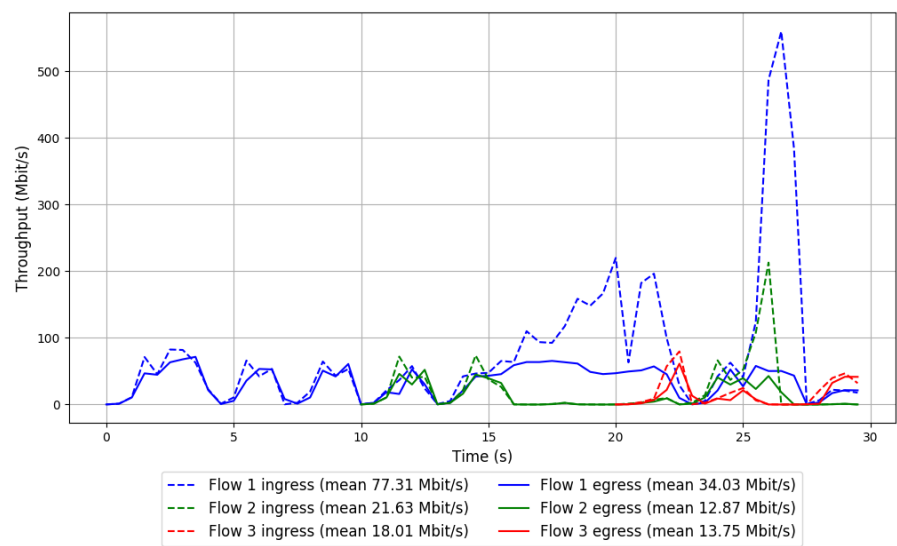


Run 2: Statistics of Verus

Start at: 2018-02-16 15:11:21
End at: 2018-02-16 15:11:51
Local clock offset: -6.739 ms
Remote clock offset: -3.425 ms

Below is generated by plot.py at 2018-02-16 19:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 119.077 ms
Loss rate: 51.74%
-- Flow 1:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 127.280 ms
Loss rate: 55.97%
-- Flow 2:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 112.007 ms
Loss rate: 40.48%
-- Flow 3:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 111.960 ms
Loss rate: 23.61%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-16 15:34:51

End at: 2018-02-16 15:35:21

Local clock offset: -5.581 ms

Remote clock offset: 2.019 ms

Below is generated by plot.py at 2018-02-16 19:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.30 Mbit/s

95th percentile per-packet one-way delay: 142.265 ms

Loss rate: 58.42%

-- Flow 1:

Average throughput: 21.83 Mbit/s

95th percentile per-packet one-way delay: 117.469 ms

Loss rate: 19.35%

-- Flow 2:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 153.275 ms

Loss rate: 73.49%

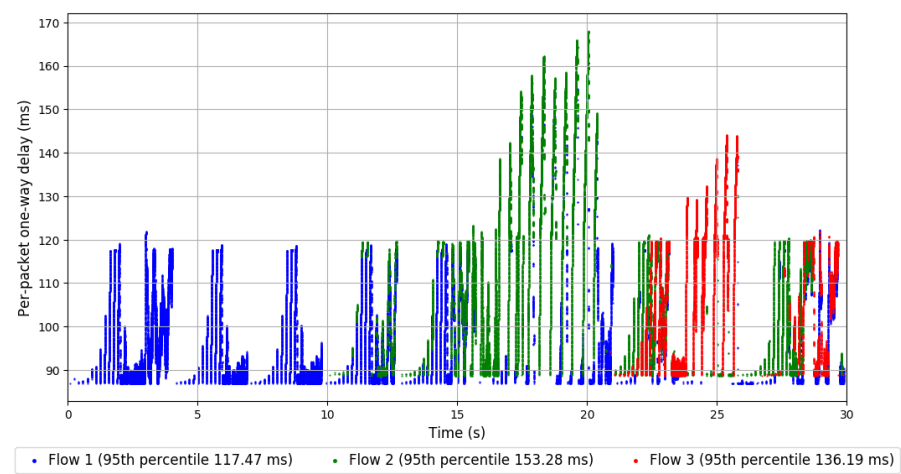
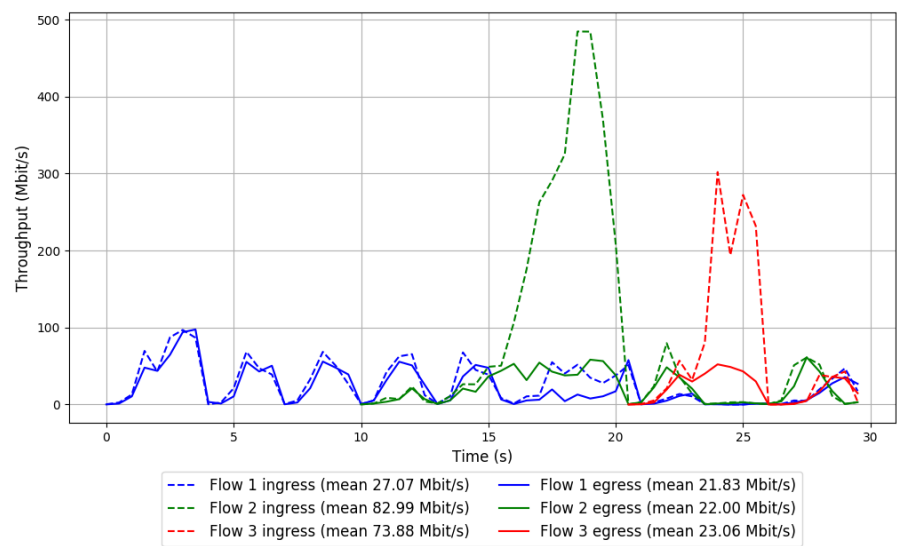
-- Flow 3:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 68.80%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 15:58:25

End at: 2018-02-16 15:58:55

Local clock offset: -4.653 ms

Remote clock offset: 6.305 ms

Below is generated by plot.py at 2018-02-16 19:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 111.779 ms

Loss rate: 31.60%

-- Flow 1:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 111.657 ms

Loss rate: 38.24%

-- Flow 2:

Average throughput: 15.58 Mbit/s

95th percentile per-packet one-way delay: 111.153 ms

Loss rate: 18.25%

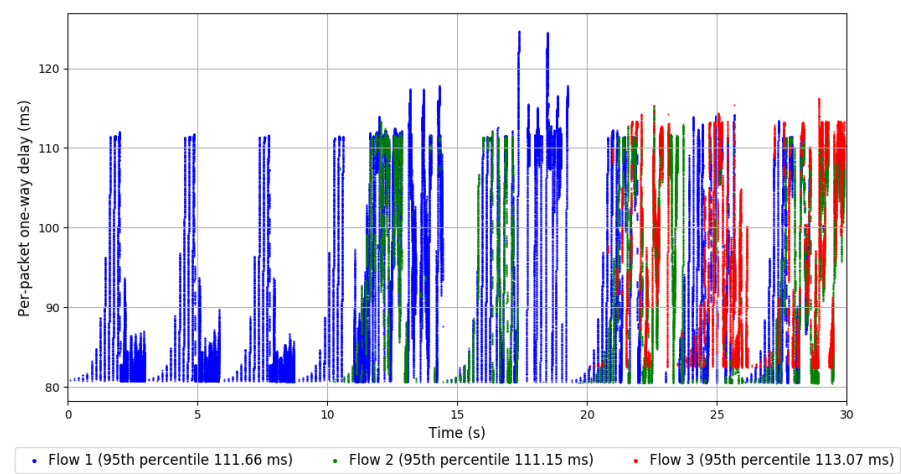
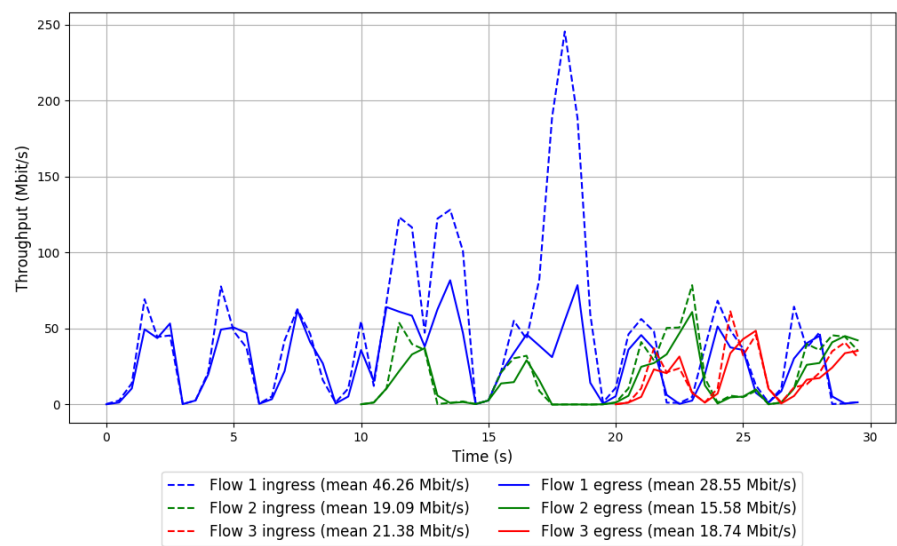
-- Flow 3:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 113.069 ms

Loss rate: 12.07%

Run 4: Report of Verus — Data Link

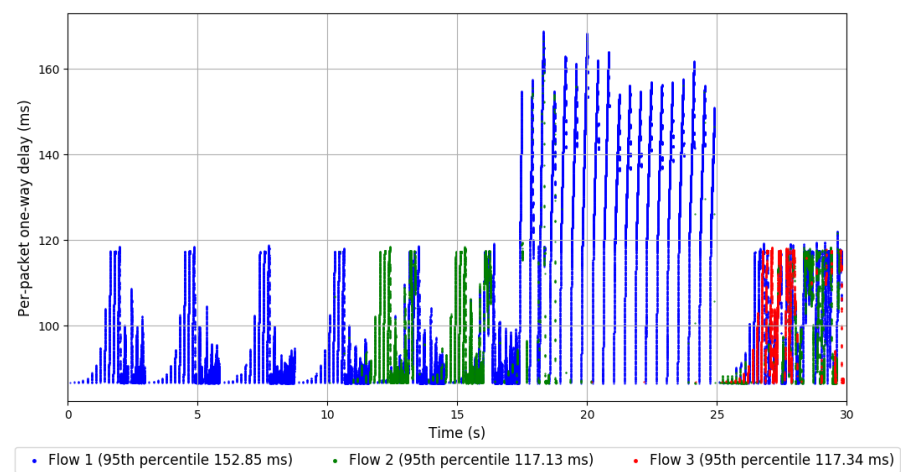
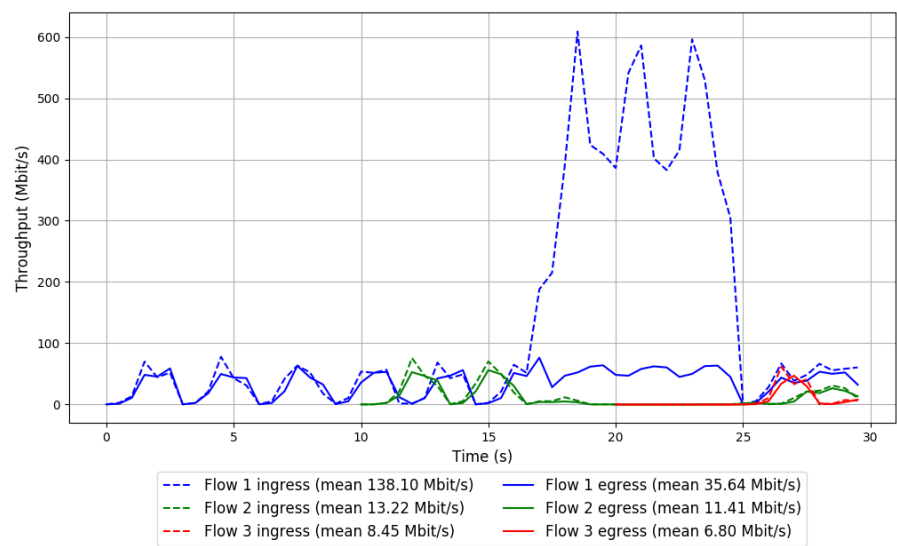


Run 5: Statistics of Verus

Start at: 2018-02-16 16:21:56
End at: 2018-02-16 16:22:26
Local clock offset: -7.159 ms
Remote clock offset: 16.581 ms

Below is generated by plot.py at 2018-02-16 19:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 151.315 ms
Loss rate: 69.65%
-- Flow 1:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 152.853 ms
Loss rate: 74.19%
-- Flow 2:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 117.133 ms
Loss rate: 13.57%
-- Flow 3:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 117.338 ms
Loss rate: 19.56%

Run 5: Report of Verus — Data Link

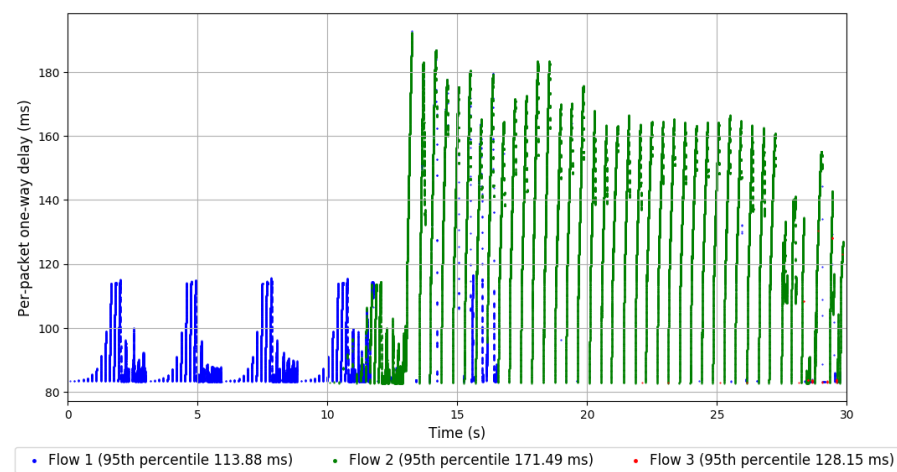
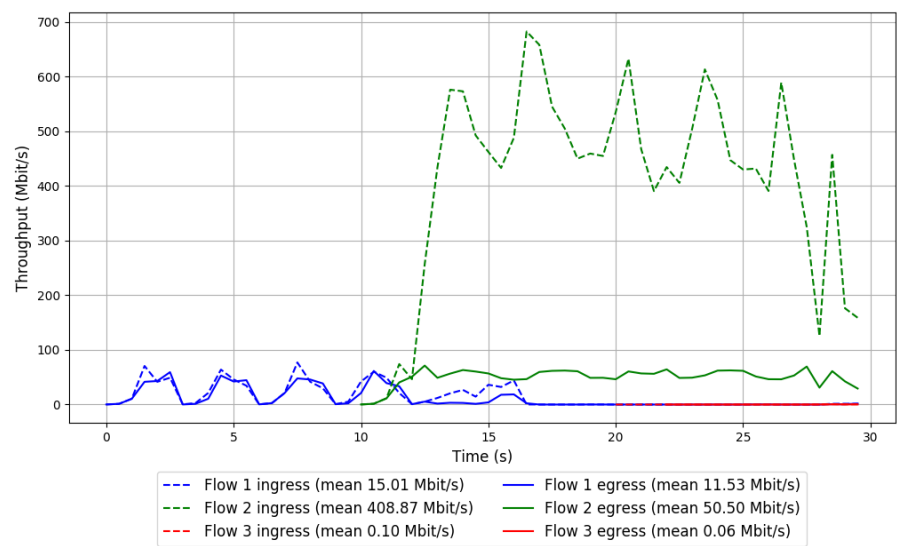


Run 6: Statistics of Verus

Start at: 2018-02-16 16:45:49
End at: 2018-02-16 16:46:19
Local clock offset: -6.037 ms
Remote clock offset: 14.775 ms

Below is generated by plot.py at 2018-02-16 19:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 168.981 ms
Loss rate: 84.25%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 113.884 ms
Loss rate: 23.24%
-- Flow 2:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 171.488 ms
Loss rate: 87.62%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 128.150 ms
Loss rate: 53.01%

Run 6: Report of Verus — Data Link

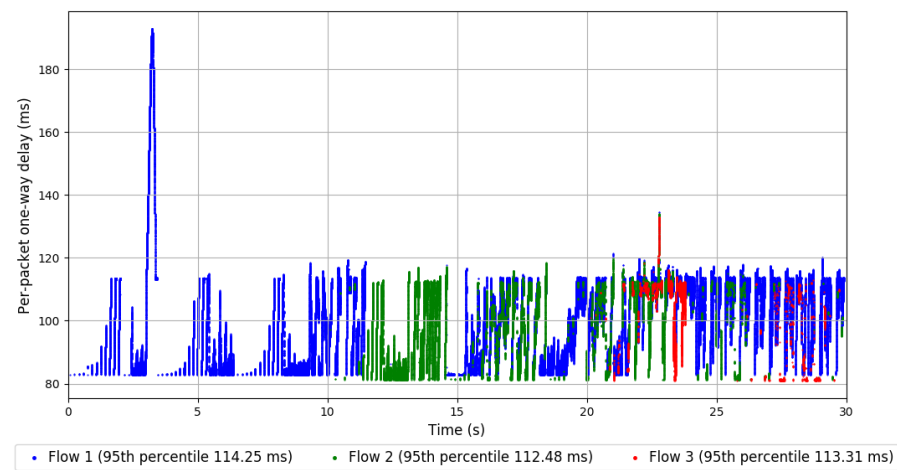
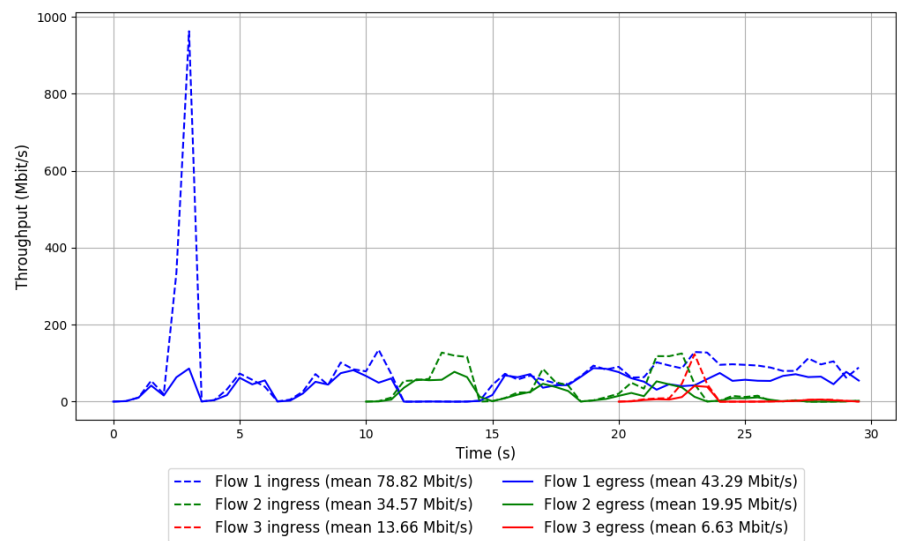


Run 7: Statistics of Verus

Start at: 2018-02-16 17:09:34
End at: 2018-02-16 17:10:04
Local clock offset: -5.84 ms
Remote clock offset: 11.426 ms

Below is generated by plot.py at 2018-02-16 19:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 113.810 ms
Loss rate: 44.69%
-- Flow 1:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 114.255 ms
Loss rate: 45.02%
-- Flow 2:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 112.483 ms
Loss rate: 42.29%
-- Flow 3:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 113.309 ms
Loss rate: 51.42%

Run 7: Report of Verus — Data Link

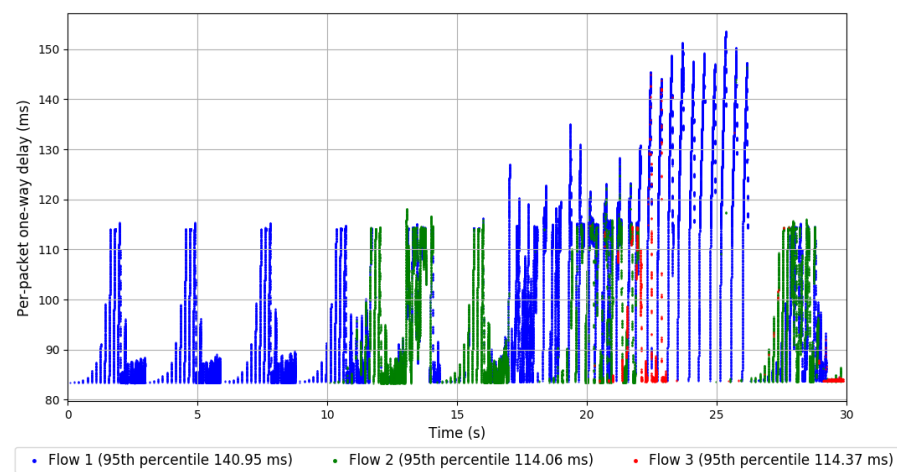
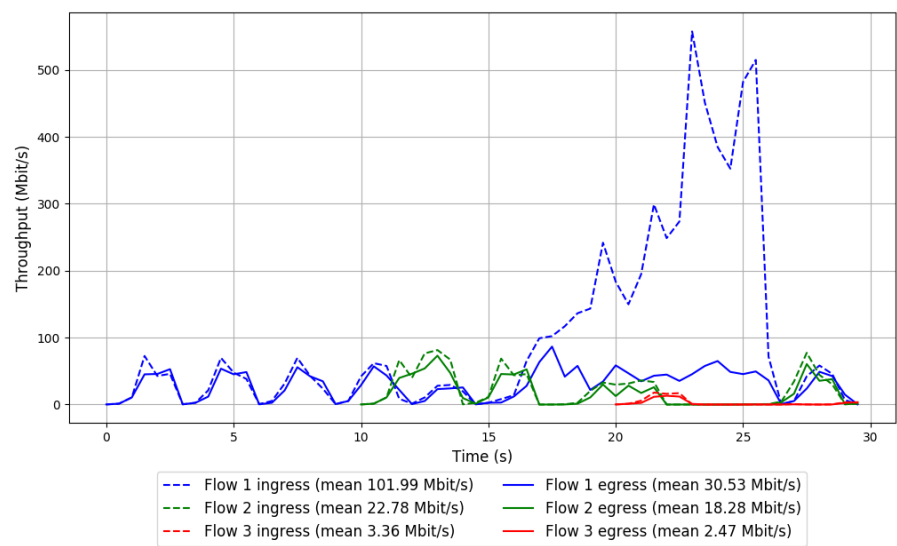


Run 8: Statistics of Verus

Start at: 2018-02-16 17:33:04
End at: 2018-02-16 17:33:34
Local clock offset: -6.484 ms
Remote clock offset: -2.001 ms

Below is generated by plot.py at 2018-02-16 19:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 137.657 ms
Loss rate: 63.22%
-- Flow 1:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 140.947 ms
Loss rate: 70.06%
-- Flow 2:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 114.061 ms
Loss rate: 19.77%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 114.369 ms
Loss rate: 26.59%

Run 8: Report of Verus — Data Link

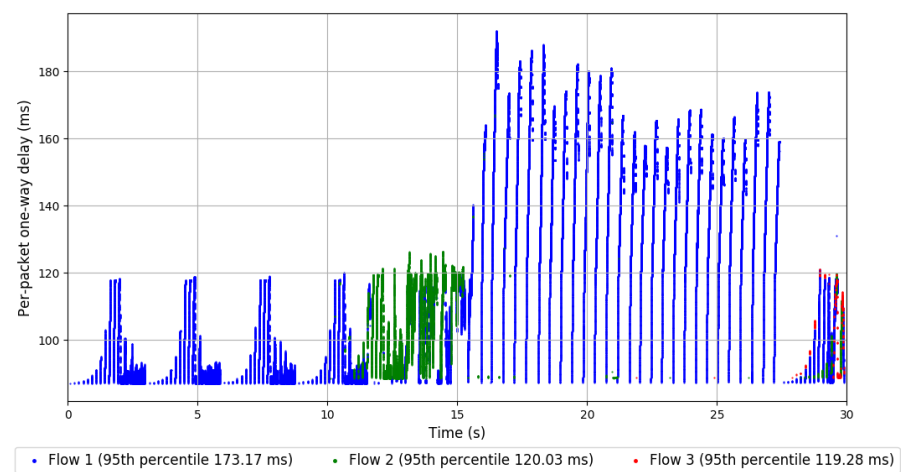
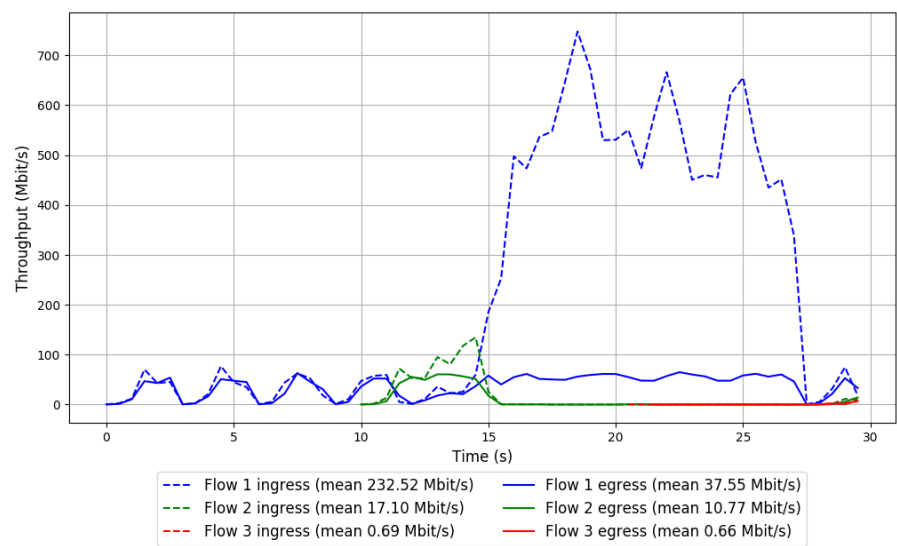


Run 9: Statistics of Verus

Start at: 2018-02-16 17:56:32
End at: 2018-02-16 17:57:02
Local clock offset: -2.927 ms
Remote clock offset: -8.579 ms

Below is generated by plot.py at 2018-02-16 19:06:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 171.425 ms
Loss rate: 81.62%
-- Flow 1:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 173.168 ms
Loss rate: 83.85%
-- Flow 2:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 120.035 ms
Loss rate: 36.94%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 119.279 ms
Loss rate: 14.50%

Run 9: Report of Verus — Data Link

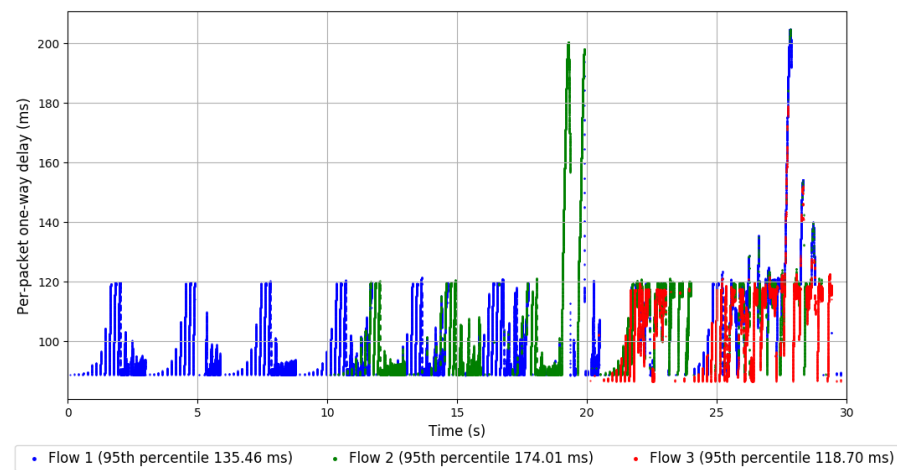
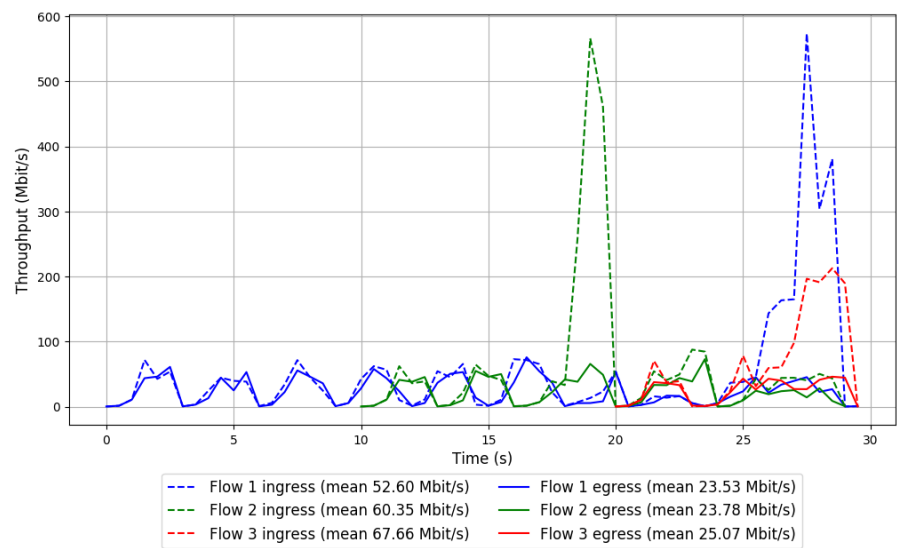


Run 10: Statistics of Verus

Start at: 2018-02-16 18:20:23
End at: 2018-02-16 18:20:53
Local clock offset: -3.2 ms
Remote clock offset: -2.914 ms

Below is generated by plot.py at 2018-02-16 19:06:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 140.735 ms
Loss rate: 58.71%
-- Flow 1:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 135.463 ms
Loss rate: 55.27%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 174.014 ms
Loss rate: 60.94%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 118.696 ms
Loss rate: 62.95%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 14:35:47

End at: 2018-02-16 14:36:17

Local clock offset: -3.83 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-02-16 19:07:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 108.864 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 107.916 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 112.767 ms

Loss rate: 0.11%

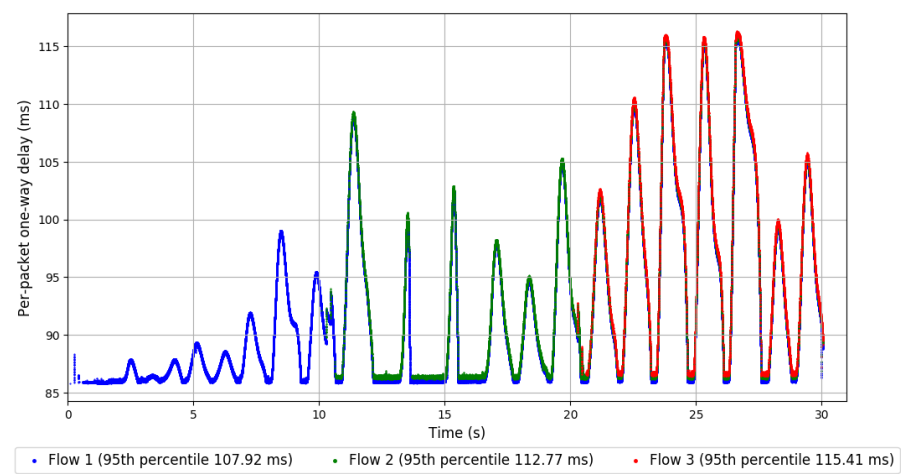
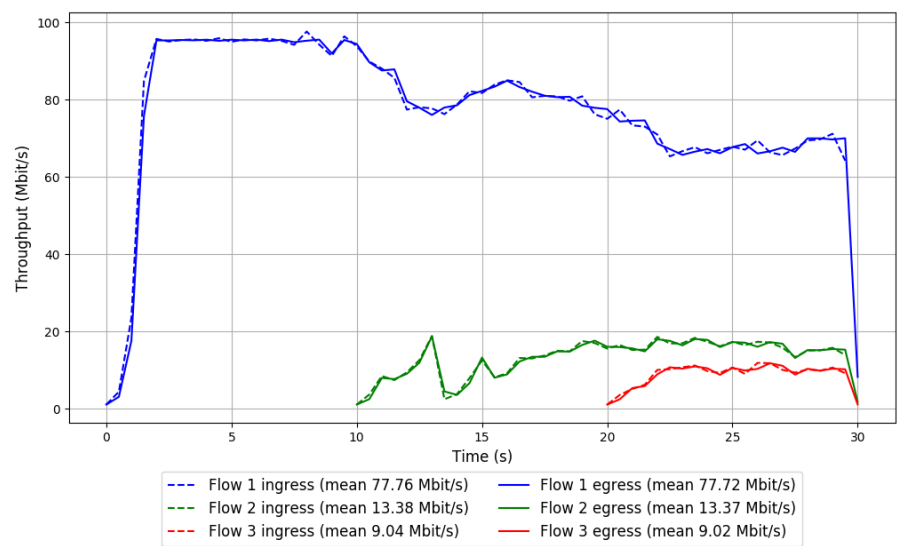
-- Flow 3:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 115.409 ms

Loss rate: 0.27%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-16 14:59:42

End at: 2018-02-16 15:00:12

Local clock offset: -5.755 ms

Remote clock offset: 2.297 ms

Below is generated by plot.py at 2018-02-16 19:07:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 102.901 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.60 Mbit/s

95th percentile per-packet one-way delay: 102.818 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 103.076 ms

Loss rate: 0.00%

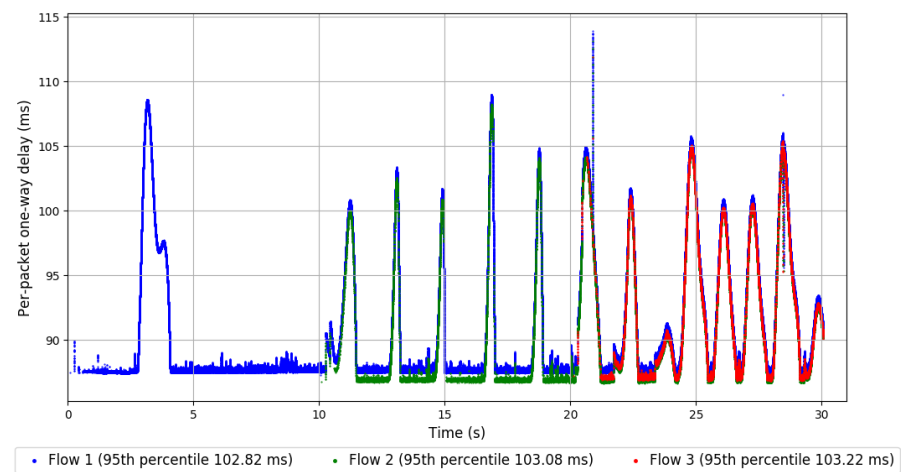
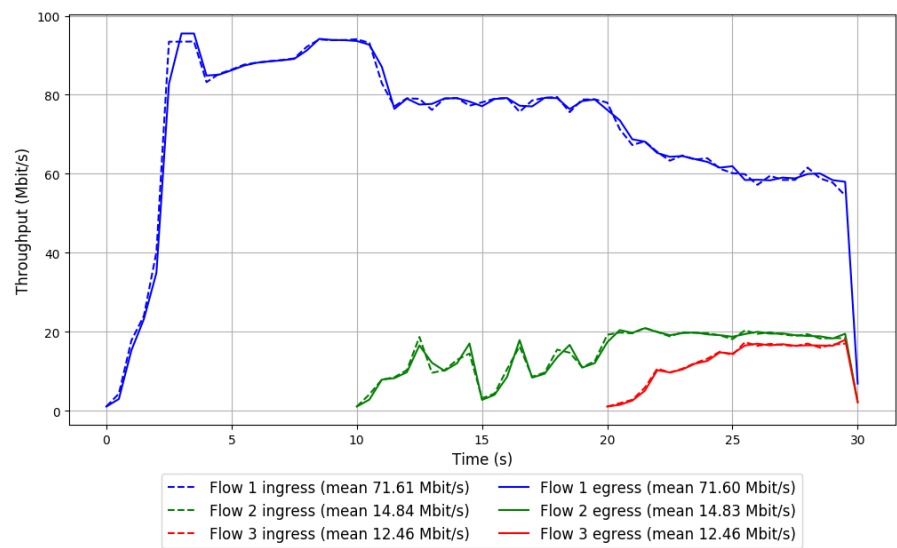
-- Flow 3:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 103.225 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

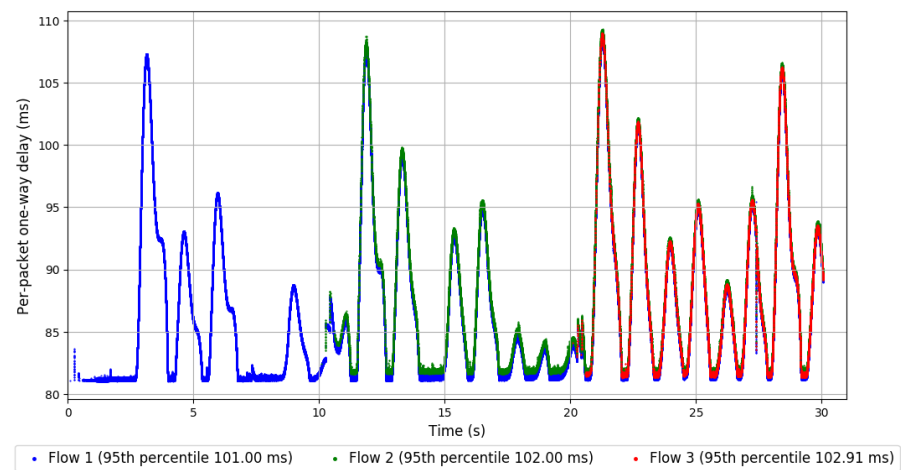
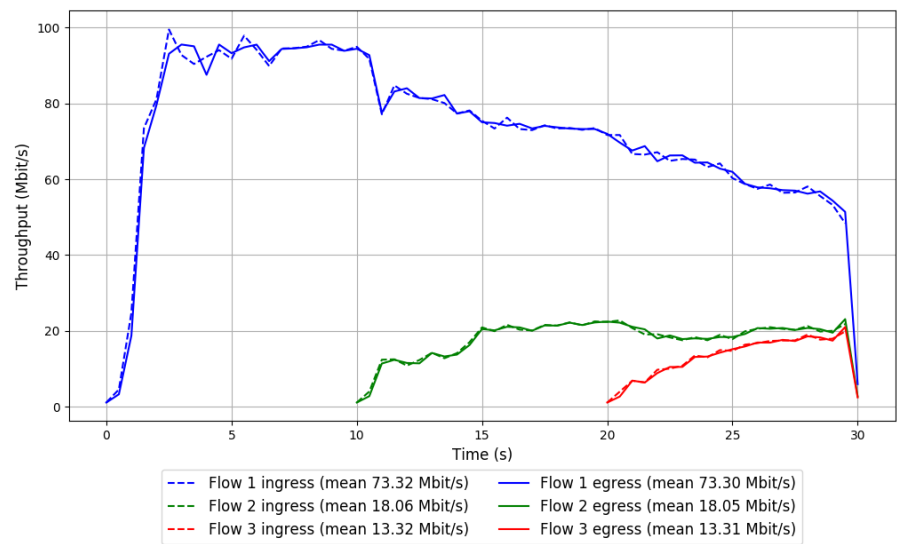


Run 3: Statistics of Copa

Start at: 2018-02-16 15:23:11
End at: 2018-02-16 15:23:41
Local clock offset: -7.209 ms
Remote clock offset: -3.591 ms

Below is generated by plot.py at 2018-02-16 19:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 101.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 101.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 101.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 102.907 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 15:46:40

End at: 2018-02-16 15:47:10

Local clock offset: -4.966 ms

Remote clock offset: 7.272 ms

Below is generated by plot.py at 2018-02-16 19:08:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 106.258 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 105.543 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 108.345 ms

Loss rate: 0.01%

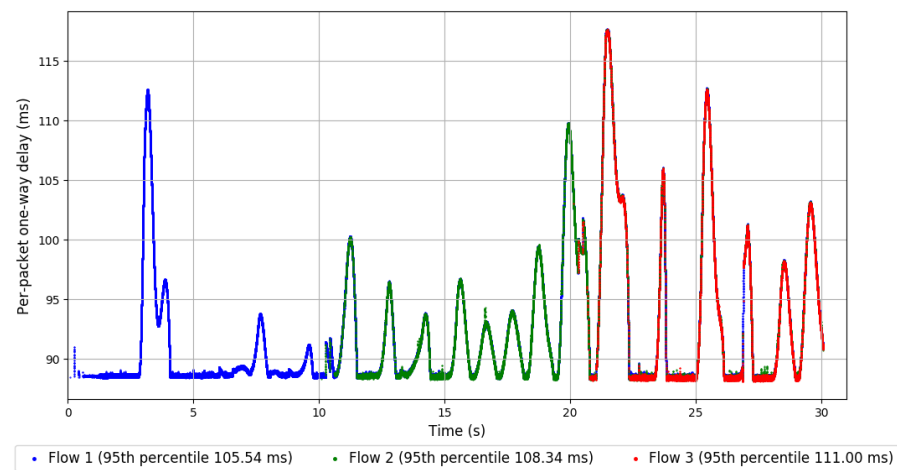
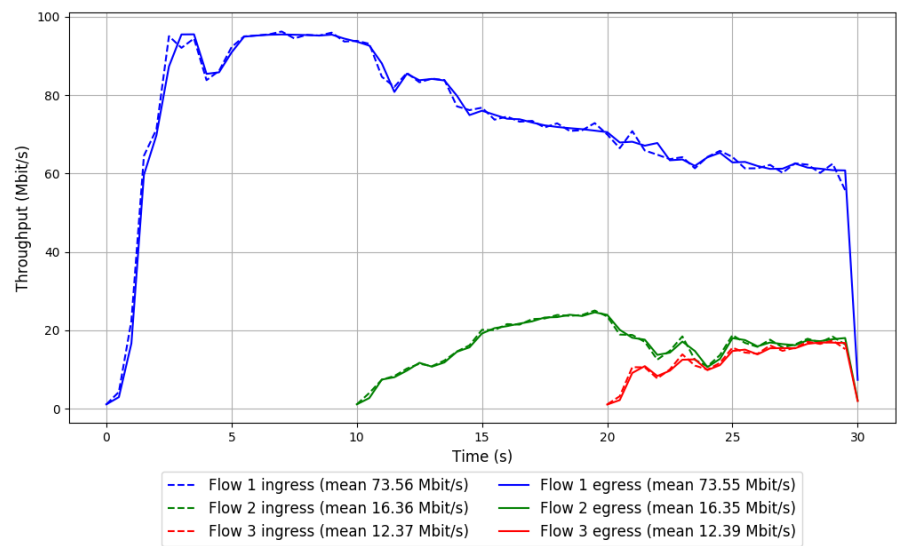
-- Flow 3:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 111.004 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-16 16:10:15

End at: 2018-02-16 16:10:45

Local clock offset: -6.568 ms

Remote clock offset: 8.791 ms

Below is generated by plot.py at 2018-02-16 19:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 97.225 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 97.376 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 97.245 ms

Loss rate: 0.00%

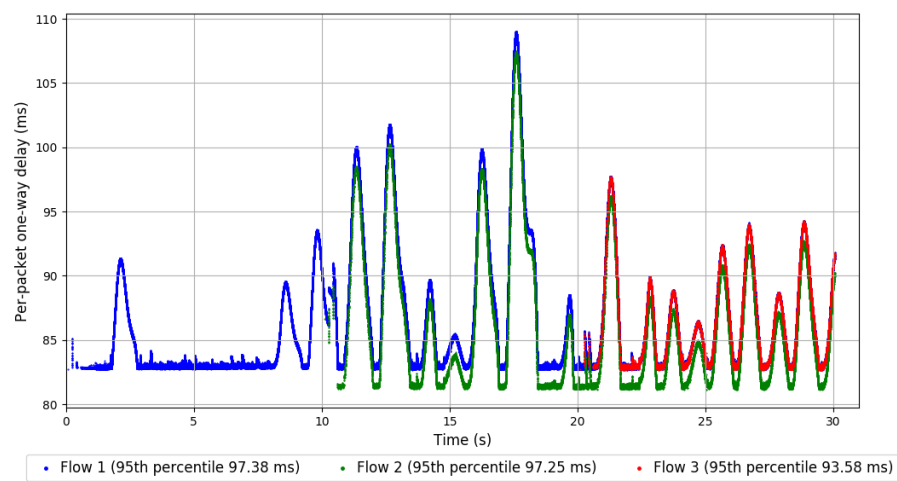
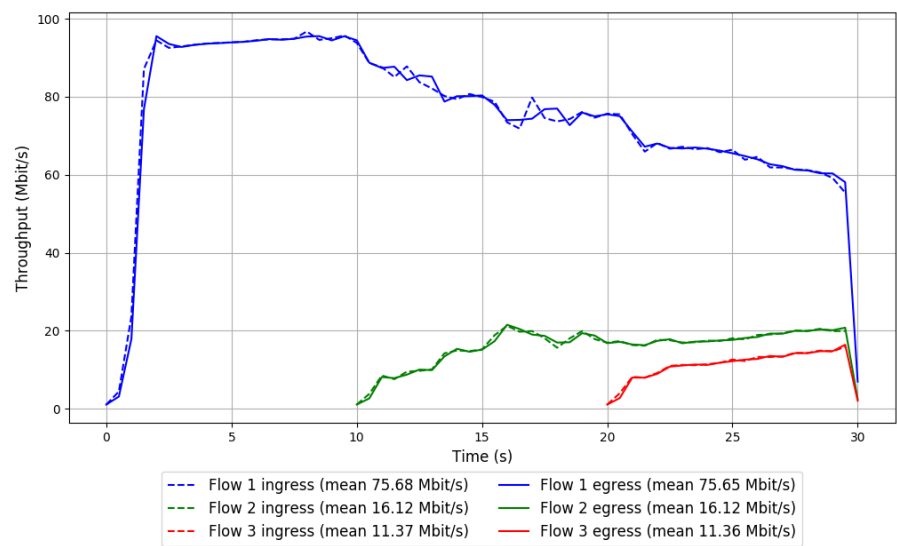
-- Flow 3:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 93.577 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

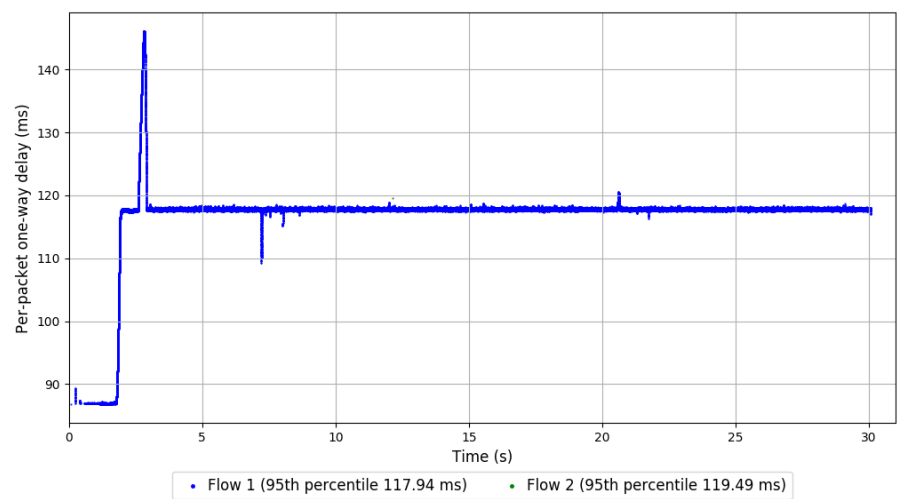
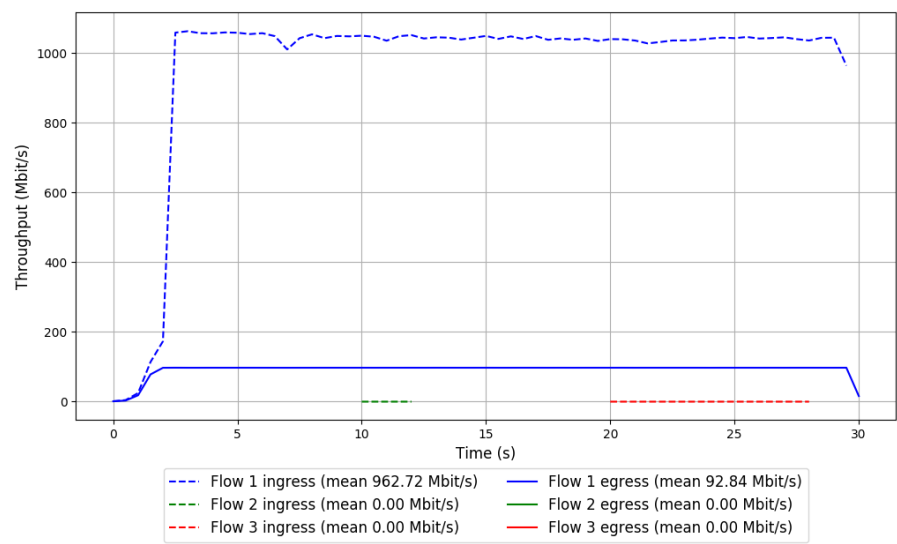


Run 6: Statistics of Copa

Start at: 2018-02-16 16:33:50
End at: 2018-02-16 16:34:20
Local clock offset: -7.112 ms
Remote clock offset: 18.536 ms

Below is generated by plot.py at 2018-02-16 19:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 117.941 ms
Loss rate: 90.35%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 117.941 ms
Loss rate: 90.35%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 119.486 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link

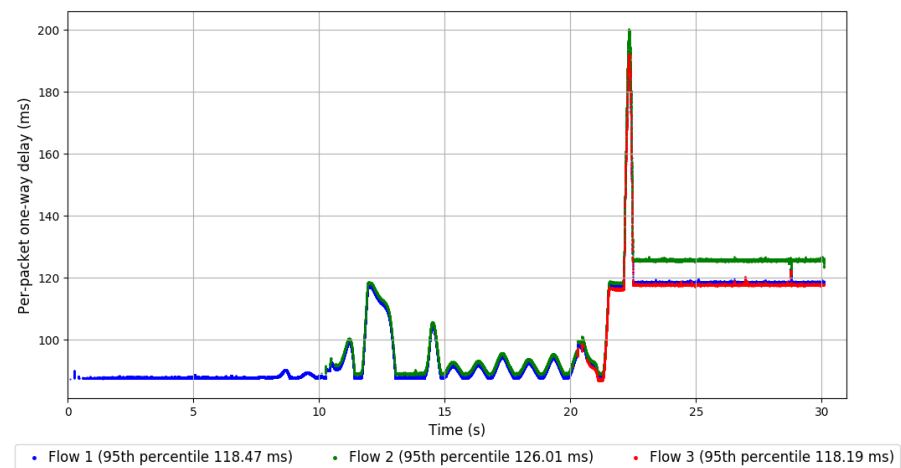
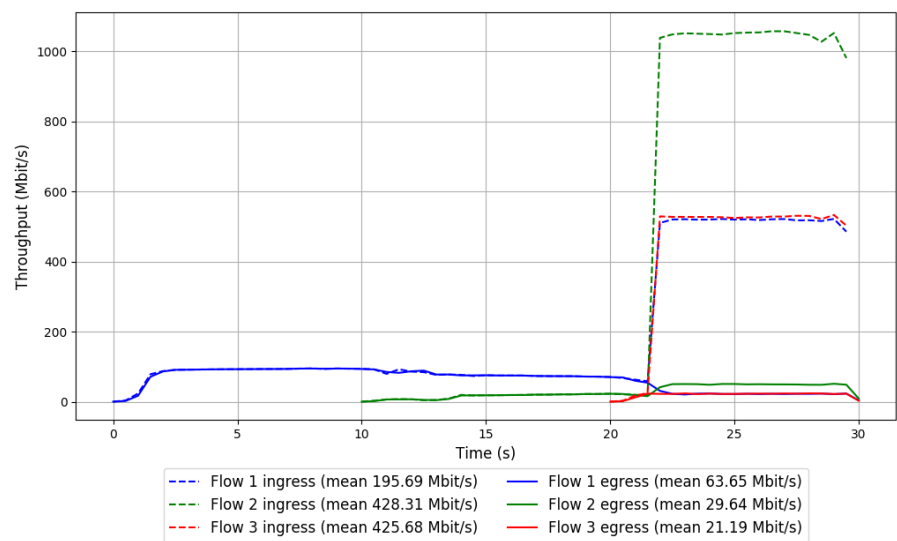


Run 7: Statistics of Copa

Start at: 2018-02-16 16:57:41
End at: 2018-02-16 16:58:11
Local clock offset: -5.72 ms
Remote clock offset: 18.083 ms

Below is generated by plot.py at 2018-02-16 19:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 125.767 ms
Loss rate: 85.45%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 118.471 ms
Loss rate: 67.44%
-- Flow 2:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 126.006 ms
Loss rate: 93.07%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 118.188 ms
Loss rate: 95.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-16 17:21:24

End at: 2018-02-16 17:21:54

Local clock offset: -6.259 ms

Remote clock offset: 17.14 ms

Below is generated by plot.py at 2018-02-16 19:15:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.68 Mbit/s

95th percentile per-packet one-way delay: 103.961 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 104.290 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.44 Mbit/s

95th percentile per-packet one-way delay: 104.664 ms

Loss rate: 0.00%

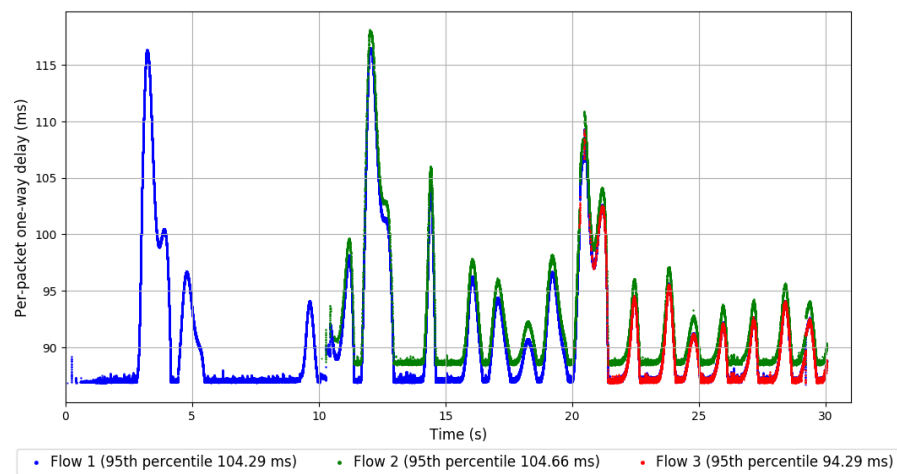
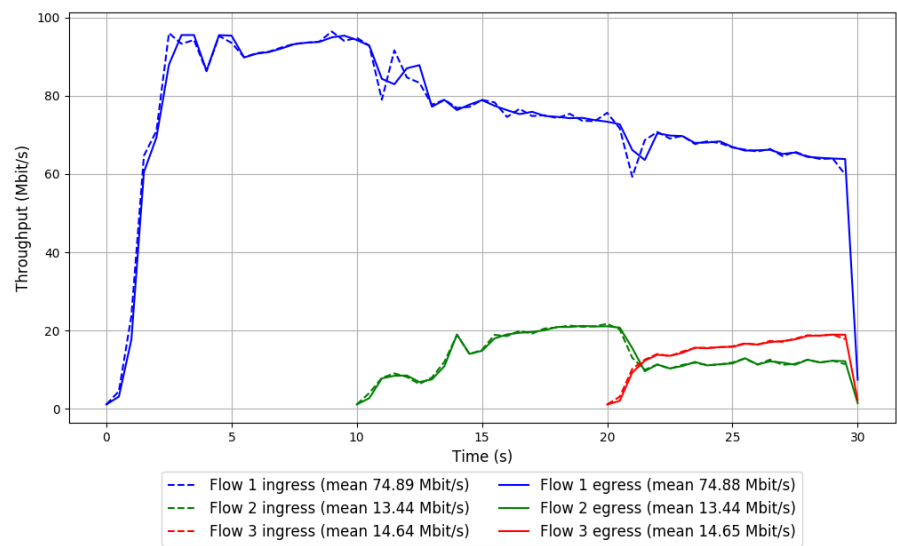
-- Flow 3:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 94.291 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

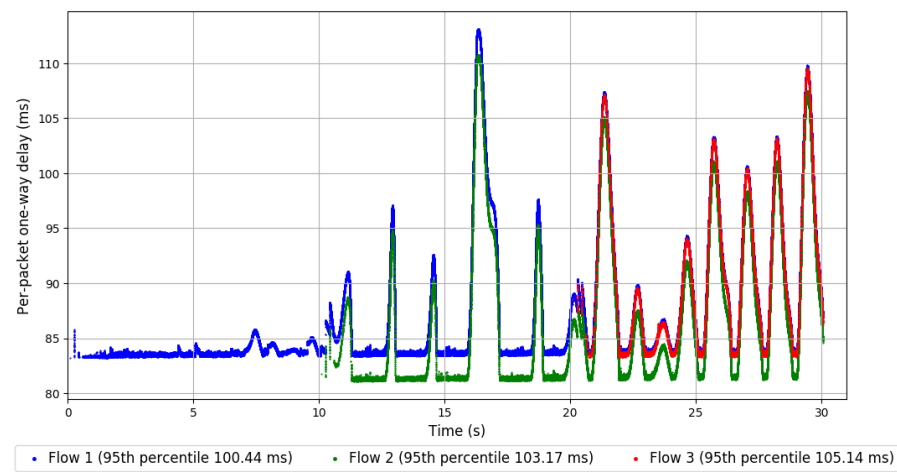
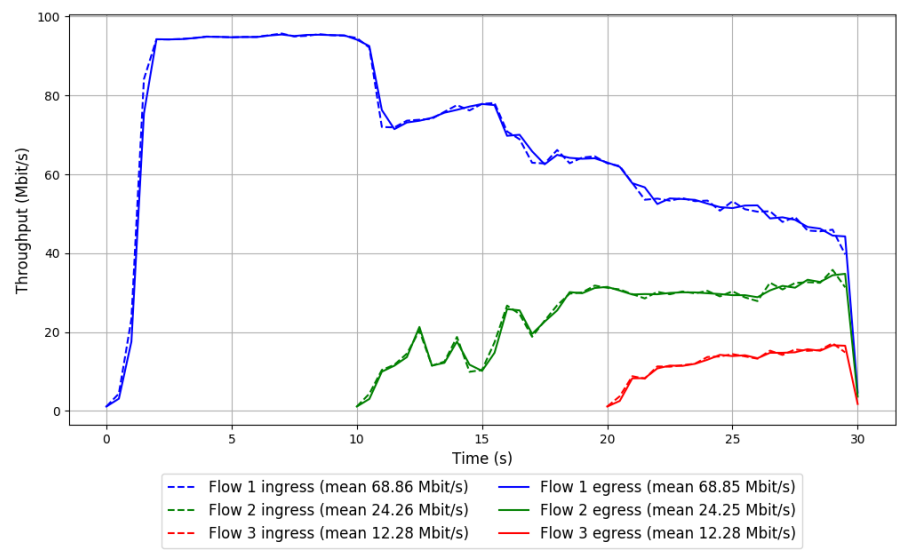


Run 9: Statistics of Copa

Start at: 2018-02-16 17:44:53
End at: 2018-02-16 17:45:23
Local clock offset: -4.924 ms
Remote clock offset: -9.565 ms

Below is generated by plot.py at 2018-02-16 19:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 101.574 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 100.439 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 103.172 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 105.139 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

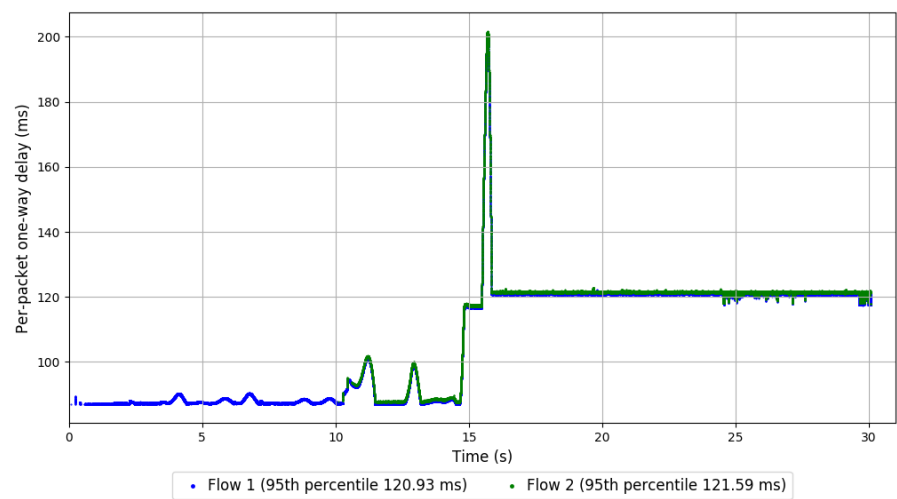
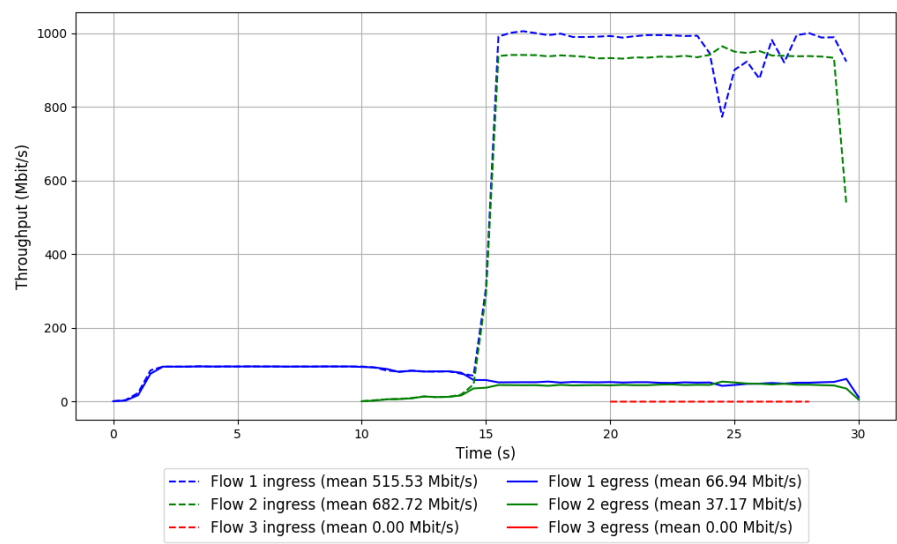


Run 10: Statistics of Copa

Start at: 2018-02-16 18:08:24
End at: 2018-02-16 18:08:54
Local clock offset: -1.816 ms
Remote clock offset: -3.292 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 121.457 ms
Loss rate: 90.54%
-- Flow 1:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 120.929 ms
Loss rate: 87.00%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 121.586 ms
Loss rate: 94.55%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 10: Report of Copa — Data Link

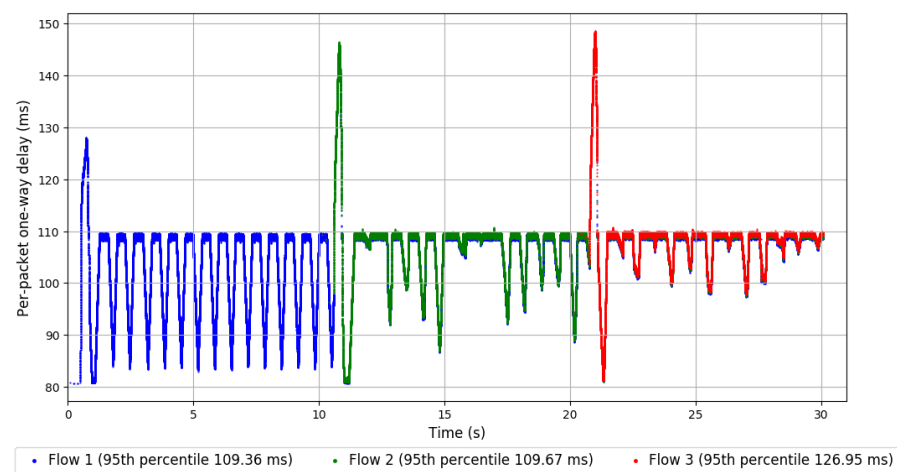
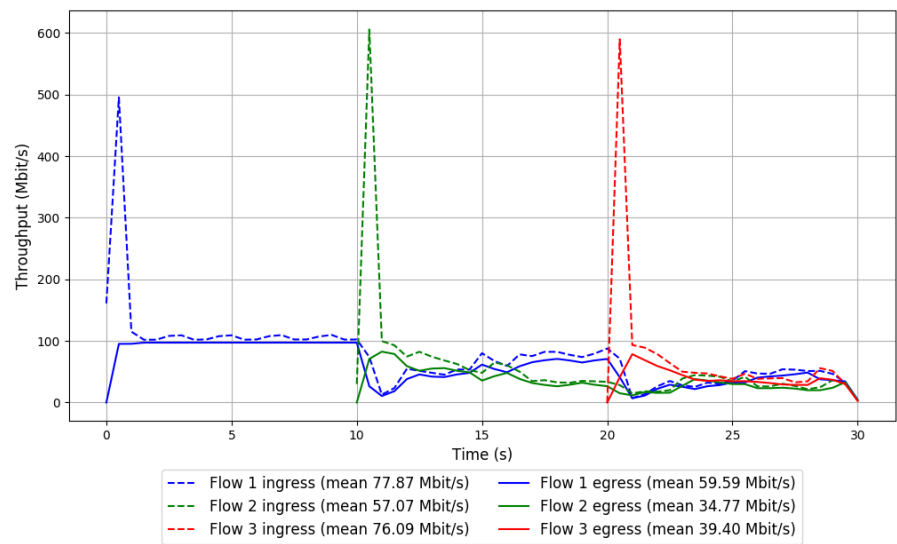


Run 1: Statistics of FillP

Start at: 2018-02-16 14:50:30
End at: 2018-02-16 14:51:00
Local clock offset: -3.425 ms
Remote clock offset: -3.491 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 109.681 ms
Loss rate: 32.04%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 109.357 ms
Loss rate: 23.40%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 109.672 ms
Loss rate: 39.07%
-- Flow 3:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 126.950 ms
Loss rate: 48.14%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-16 15:14:00

End at: 2018-02-16 15:14:30

Local clock offset: -6.931 ms

Remote clock offset: 2.22 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 117.291 ms

Loss rate: 32.39%

-- Flow 1:

Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 117.180 ms

Loss rate: 25.08%

-- Flow 2:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 116.002 ms

Loss rate: 35.34%

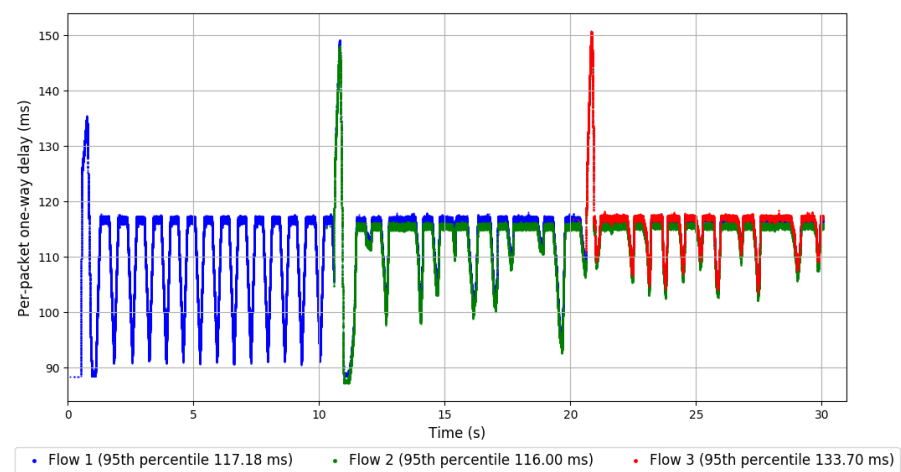
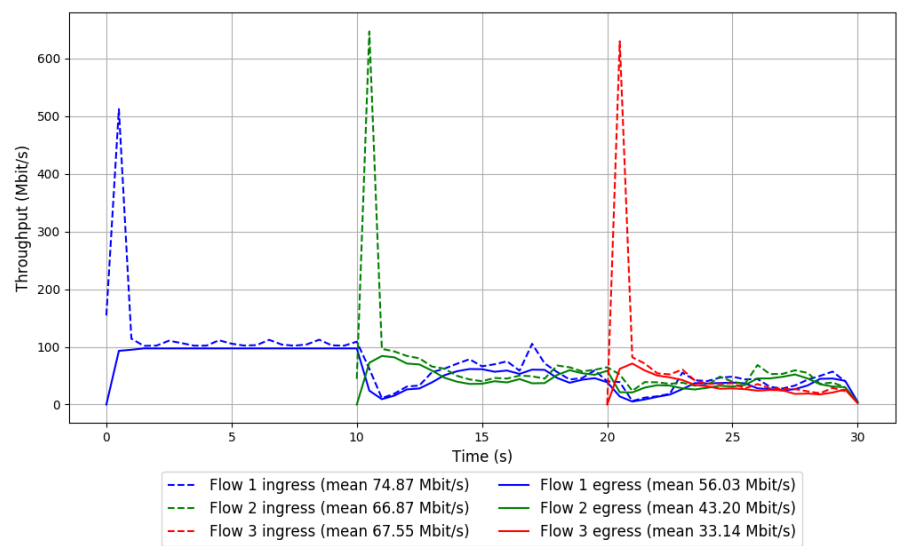
-- Flow 3:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 133.699 ms

Loss rate: 50.93%

Run 2: Report of FillP — Data Link

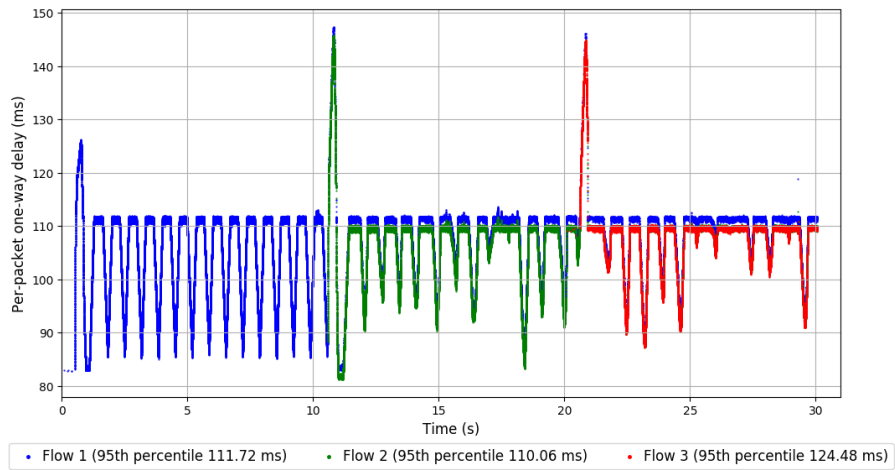
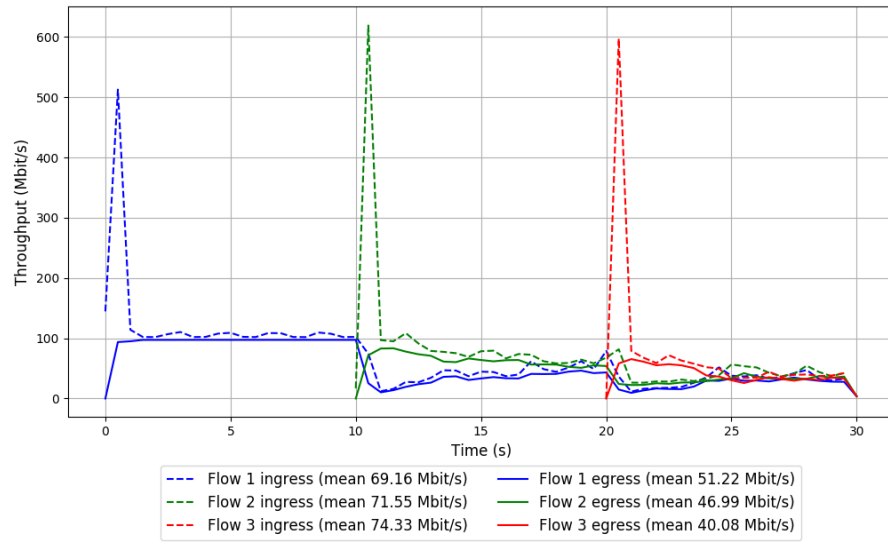


Run 3: Statistics of FillP

Start at: 2018-02-16 15:37:30
End at: 2018-02-16 15:38:00
Local clock offset: -5.363 ms
Remote clock offset: -3.647 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 111.704 ms
Loss rate: 32.25%
-- Flow 1:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 111.725 ms
Loss rate: 25.88%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 110.057 ms
Loss rate: 34.33%
-- Flow 3:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 124.484 ms
Loss rate: 46.07%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 16:01:04

End at: 2018-02-16 16:01:34

Local clock offset: -5.299 ms

Remote clock offset: 6.994 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 111.561 ms

Loss rate: 32.56%

-- Flow 1:

Average throughput: 59.79 Mbit/s

95th percentile per-packet one-way delay: 111.090 ms

Loss rate: 23.73%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 111.722 ms

Loss rate: 39.84%

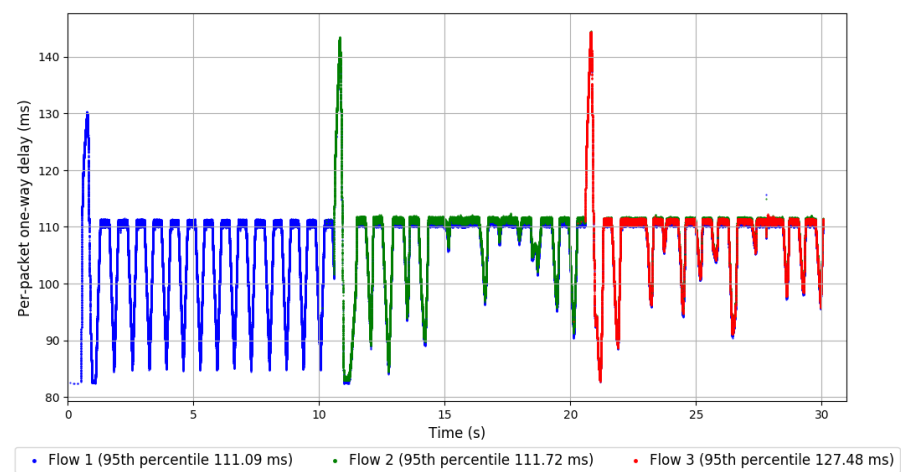
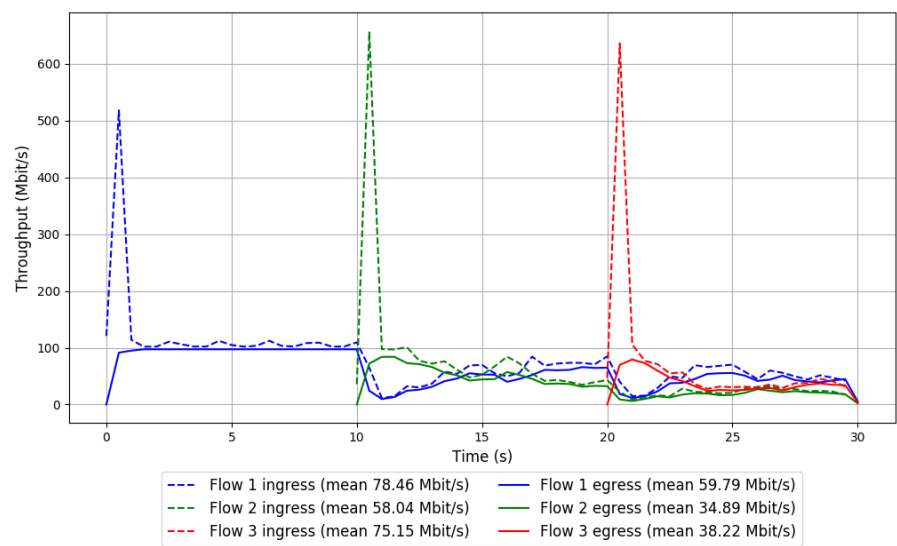
-- Flow 3:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 127.483 ms

Loss rate: 49.05%

Run 4: Report of FillP — Data Link

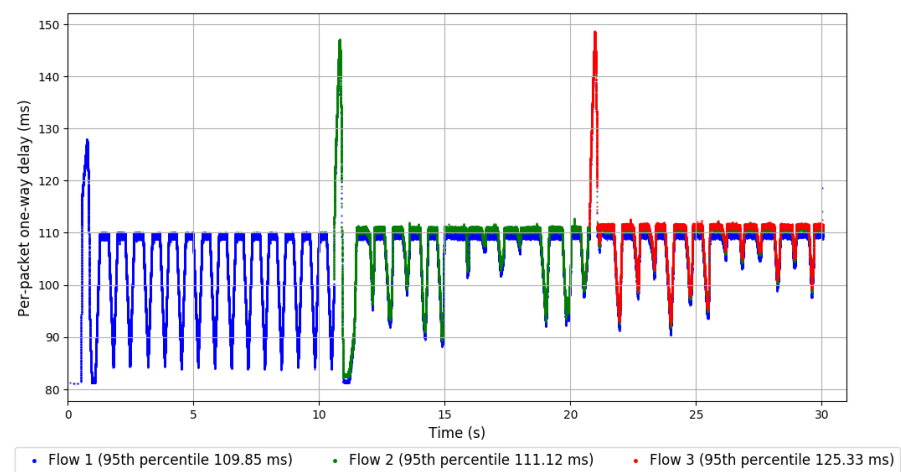
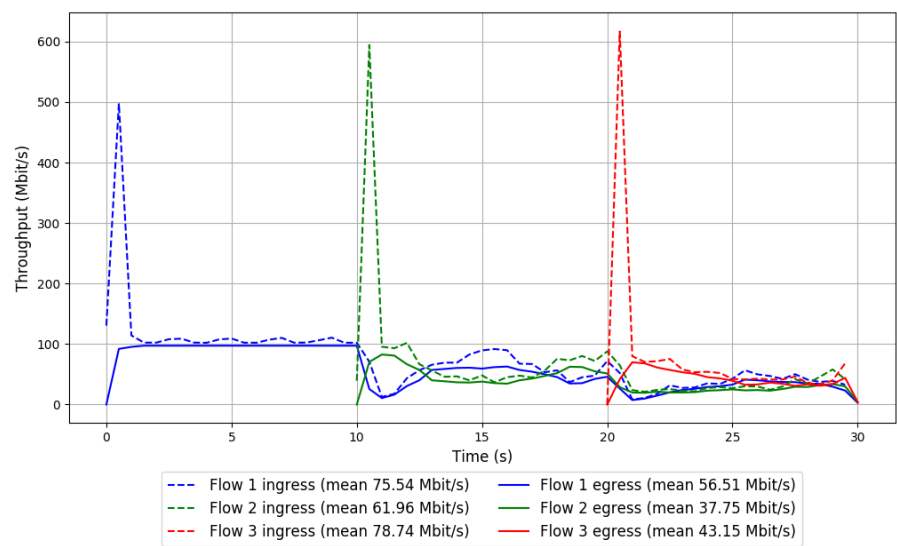


Run 5: Statistics of FillP

Start at: 2018-02-16 16:24:37
End at: 2018-02-16 16:25:07
Local clock offset: -7.222 ms
Remote clock offset: 11.429 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 111.499 ms
Loss rate: 32.97%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 109.854 ms
Loss rate: 25.12%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 111.125 ms
Loss rate: 39.07%
-- Flow 3:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 125.333 ms
Loss rate: 46.03%

Run 5: Report of FillP — Data Link

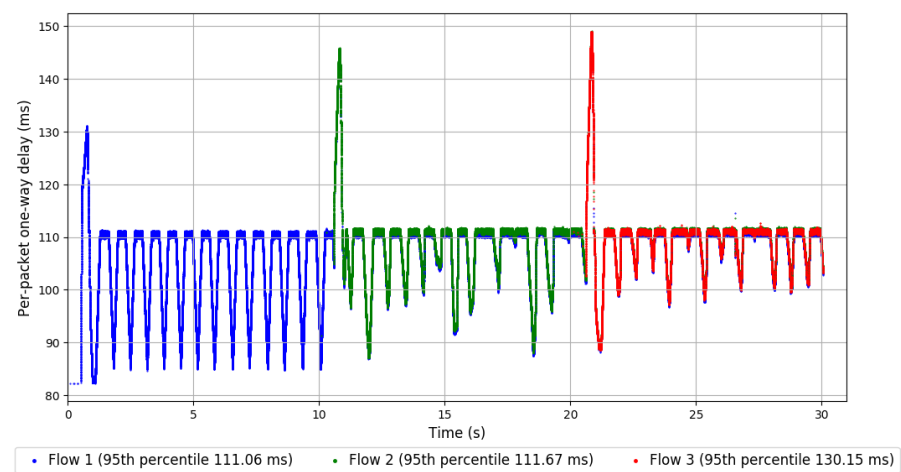
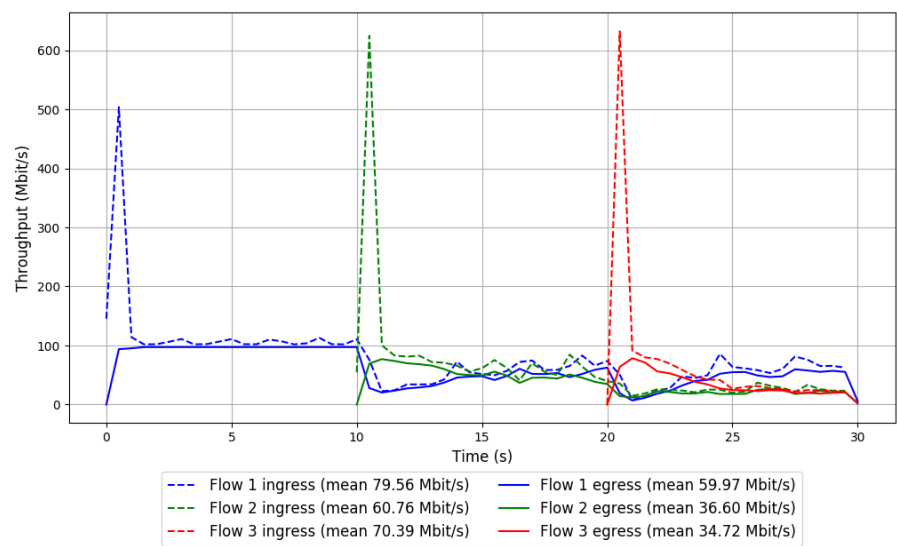


Run 6: Statistics of FillP

Start at: 2018-02-16 16:48:30
End at: 2018-02-16 16:49:00
Local clock offset: -5.933 ms
Remote clock offset: 15.057 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 111.518 ms
Loss rate: 33.10%
-- Flow 1:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 111.060 ms
Loss rate: 24.57%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 111.670 ms
Loss rate: 39.73%
-- Flow 3:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 130.151 ms
Loss rate: 50.71%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-16 17:12:14

End at: 2018-02-16 17:12:44

Local clock offset: -6.009 ms

Remote clock offset: 11.34 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 111.473 ms

Loss rate: 31.60%

-- Flow 1:

Average throughput: 55.54 Mbit/s

95th percentile per-packet one-way delay: 110.169 ms

Loss rate: 24.15%

-- Flow 2:

Average throughput: 41.22 Mbit/s

95th percentile per-packet one-way delay: 110.241 ms

Loss rate: 35.11%

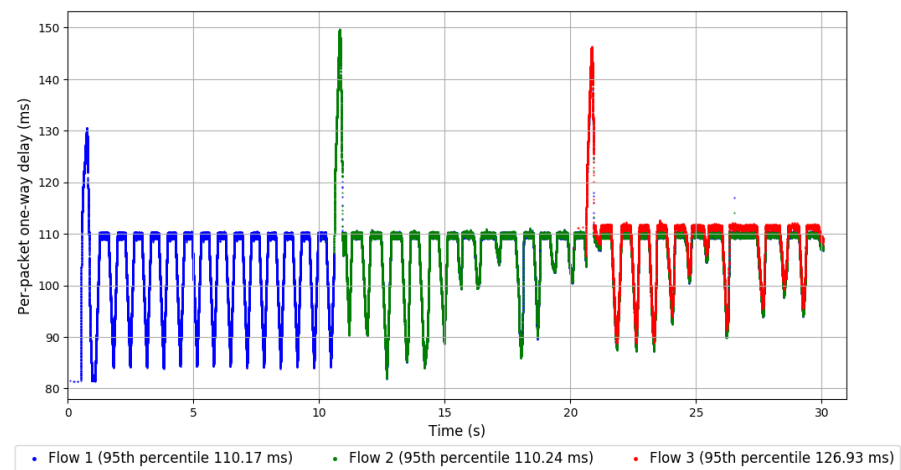
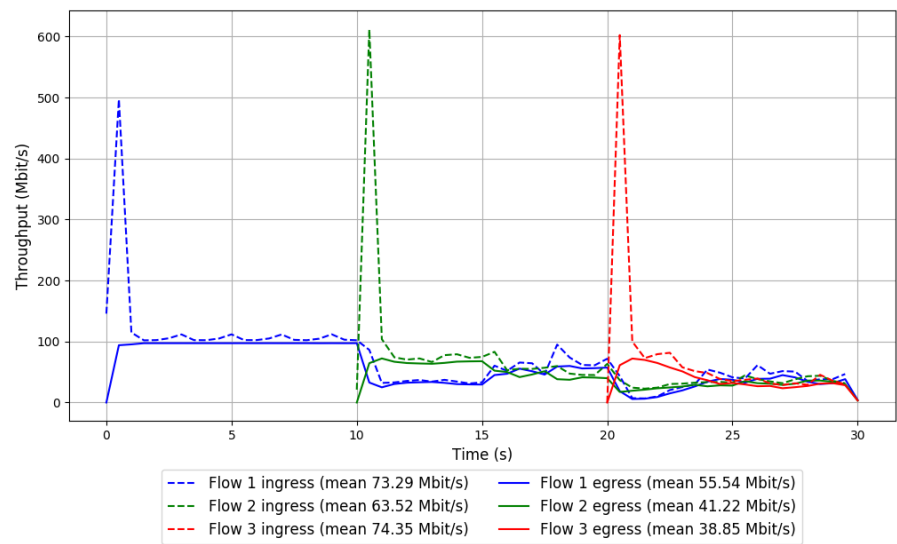
-- Flow 3:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 126.934 ms

Loss rate: 47.74%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-16 17:35:44

End at: 2018-02-16 17:36:14

Local clock offset: -6.401 ms

Remote clock offset: 1.436 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 118.017 ms

Loss rate: 32.03%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 116.017 ms

Loss rate: 24.60%

-- Flow 2:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 116.665 ms

Loss rate: 35.64%

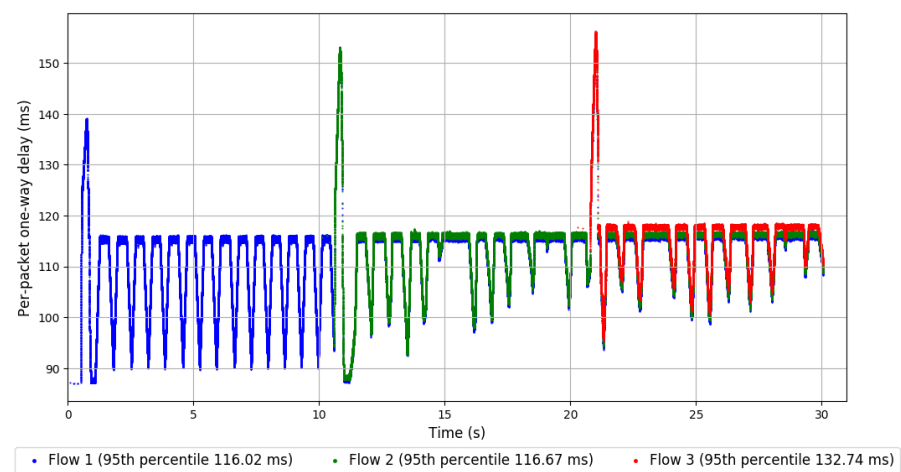
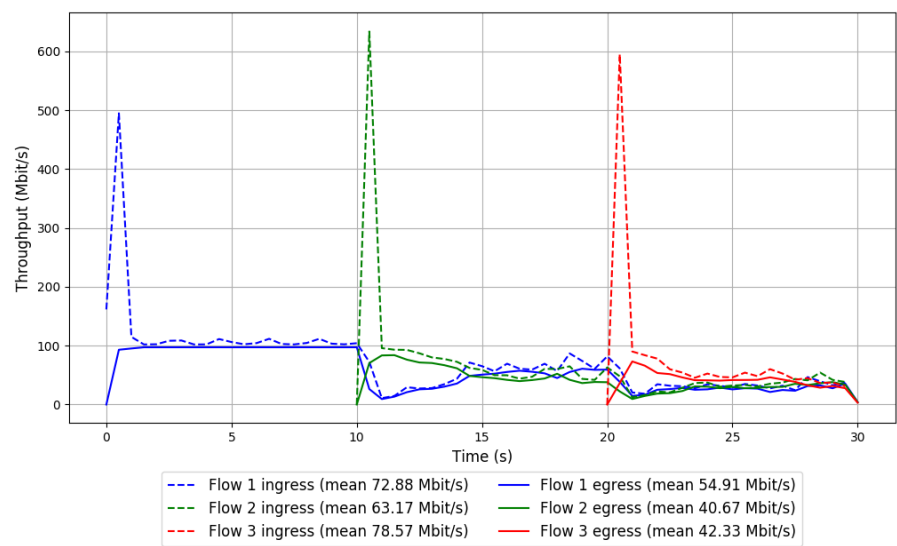
-- Flow 3:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 132.738 ms

Loss rate: 46.99%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-16 17:59:13

End at: 2018-02-16 17:59:43

Local clock offset: -2.647 ms

Remote clock offset: -7.58 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 116.919 ms

Loss rate: 33.62%

-- Flow 1:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 116.860 ms

Loss rate: 25.49%

-- Flow 2:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 116.773 ms

Loss rate: 37.07%

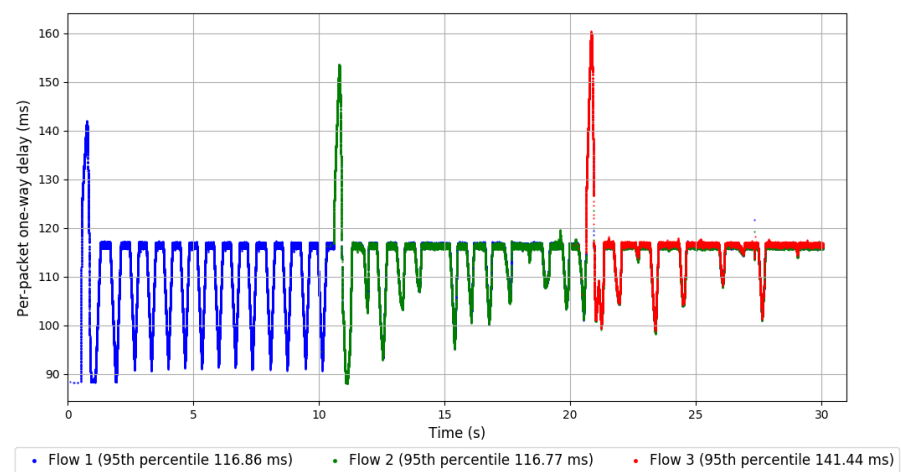
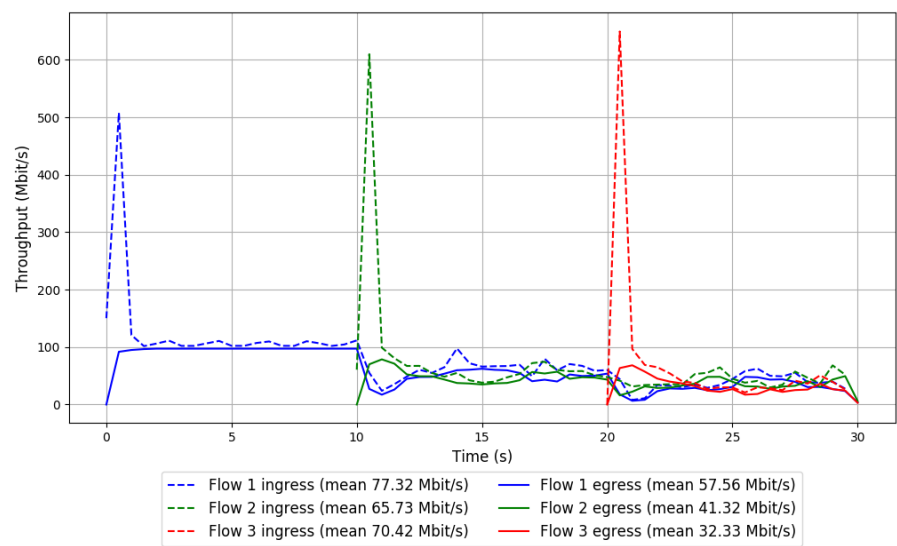
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 141.445 ms

Loss rate: 54.09%

Run 9: Report of FillP — Data Link

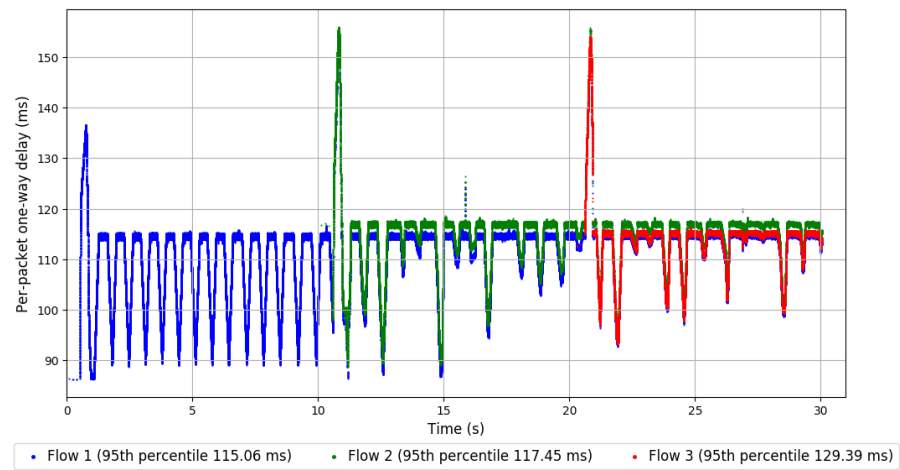
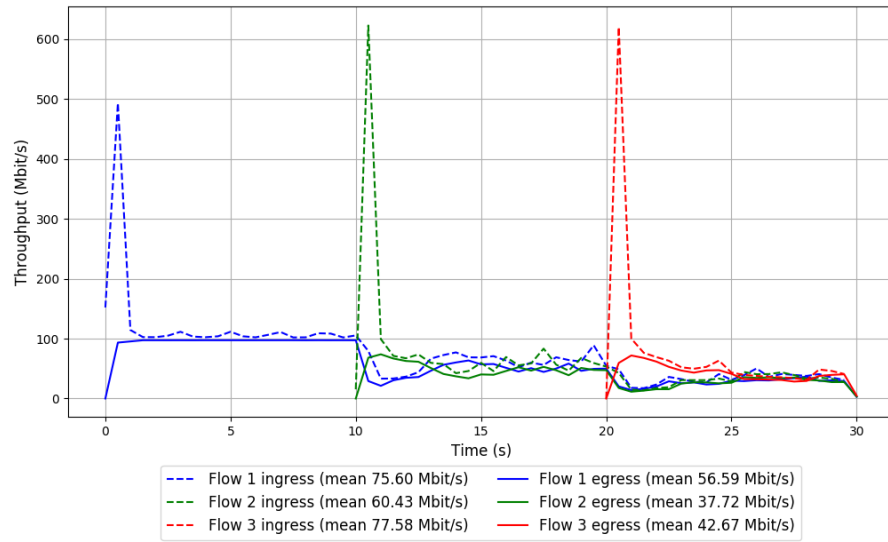


Run 10: Statistics of FillP

Start at: 2018-02-16 18:23:02
End at: 2018-02-16 18:23:32
Local clock offset: -3.761 ms
Remote clock offset: -3.178 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 117.304 ms
Loss rate: 32.25%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 115.065 ms
Loss rate: 25.08%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 117.454 ms
Loss rate: 37.59%
-- Flow 3:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 129.393 ms
Loss rate: 45.00%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 14:49:07

End at: 2018-02-16 14:49:37

Local clock offset: -3.14 ms

Remote clock offset: 2.126 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 117.864 ms

Loss rate: 39.85%

-- Flow 1:

Average throughput: 58.53 Mbit/s

95th percentile per-packet one-way delay: 117.869 ms

Loss rate: 21.83%

-- Flow 2:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 117.665 ms

Loss rate: 45.82%

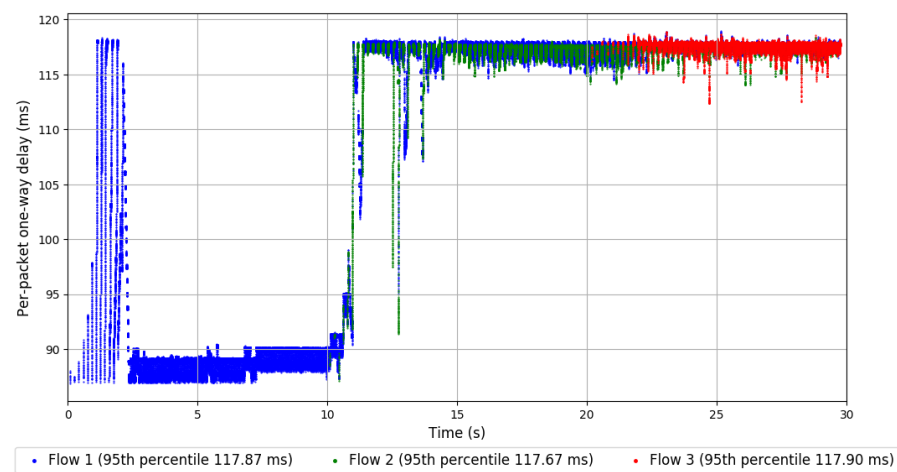
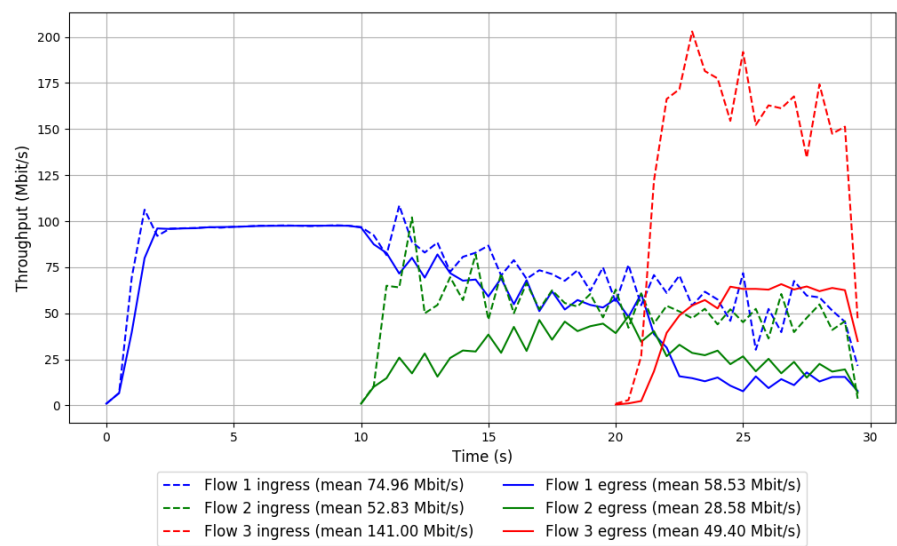
-- Flow 3:

Average throughput: 49.40 Mbit/s

95th percentile per-packet one-way delay: 117.897 ms

Loss rate: 64.96%

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

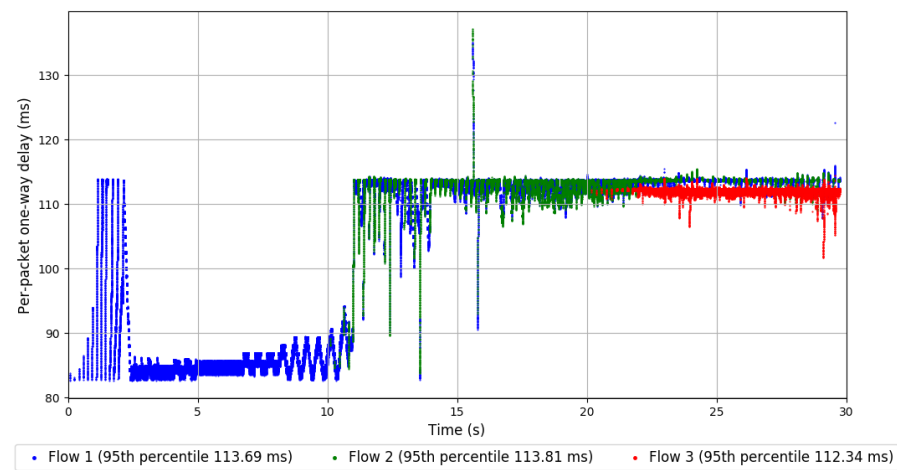
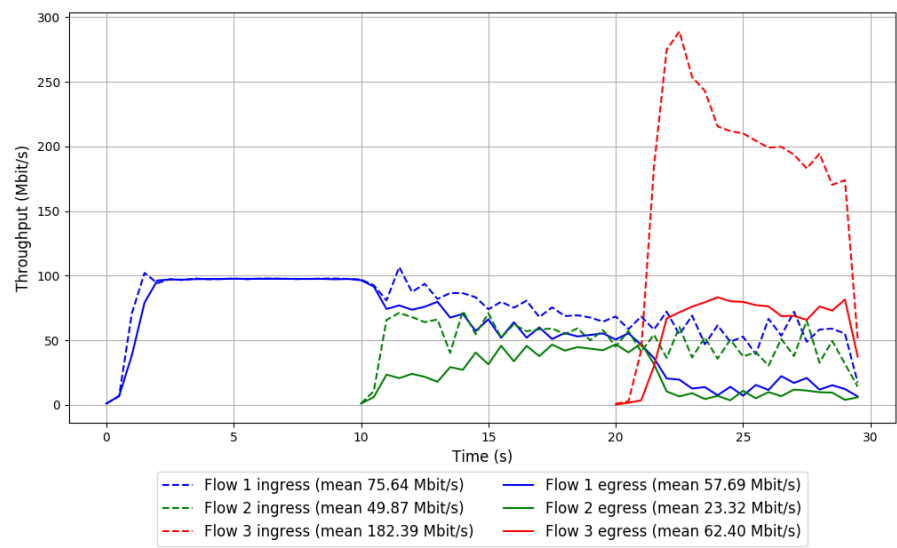


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 15:12:39
End at: 2018-02-16 15:13:09
Local clock offset: -6.813 ms
Remote clock offset: -3.565 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 113.710 ms
Loss rate: 44.29%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 113.693 ms
Loss rate: 23.66%
-- Flow 2:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 113.809 ms
Loss rate: 53.18%
-- Flow 3:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 112.339 ms
Loss rate: 65.79%

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

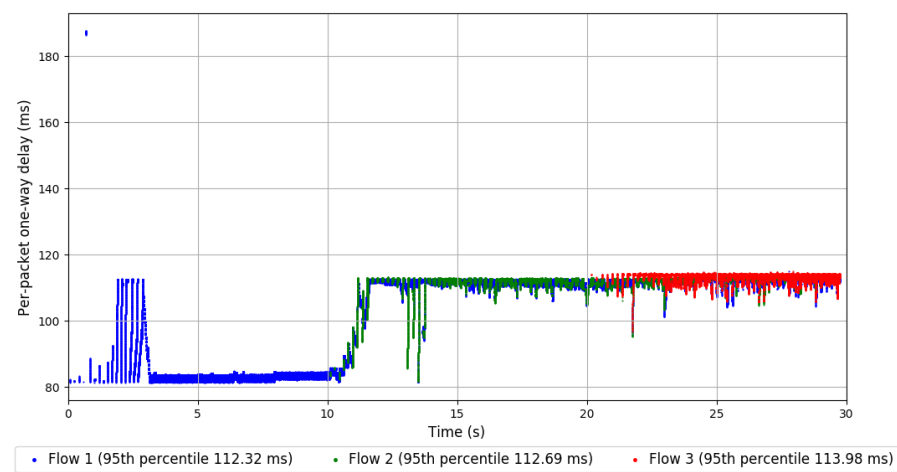
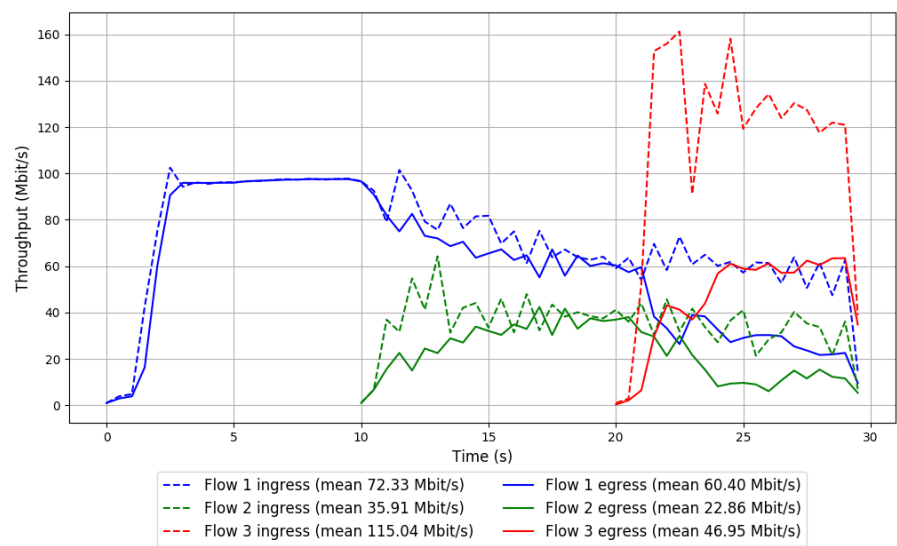


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 15:36:09
End at: 2018-02-16 15:36:39
Local clock offset: -5.461 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 113.877 ms
Loss rate: 31.87%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 112.323 ms
Loss rate: 16.41%
-- Flow 2:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 112.692 ms
Loss rate: 36.24%
-- Flow 3:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 113.983 ms
Loss rate: 59.19%

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

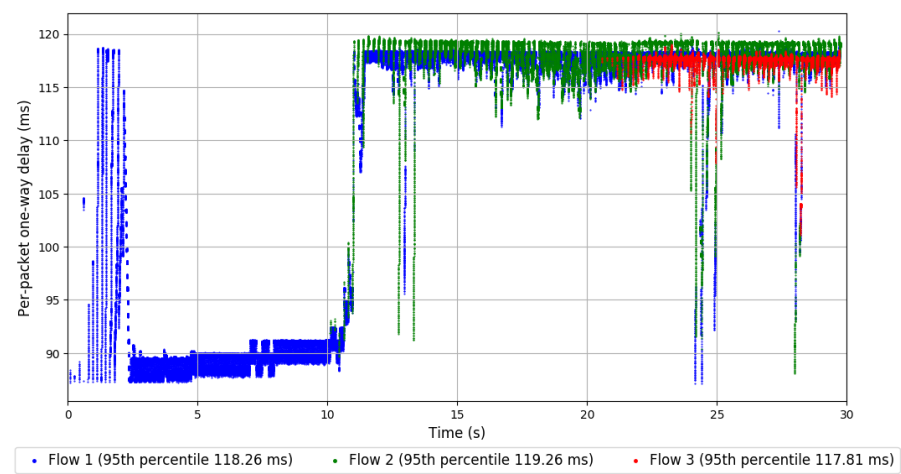
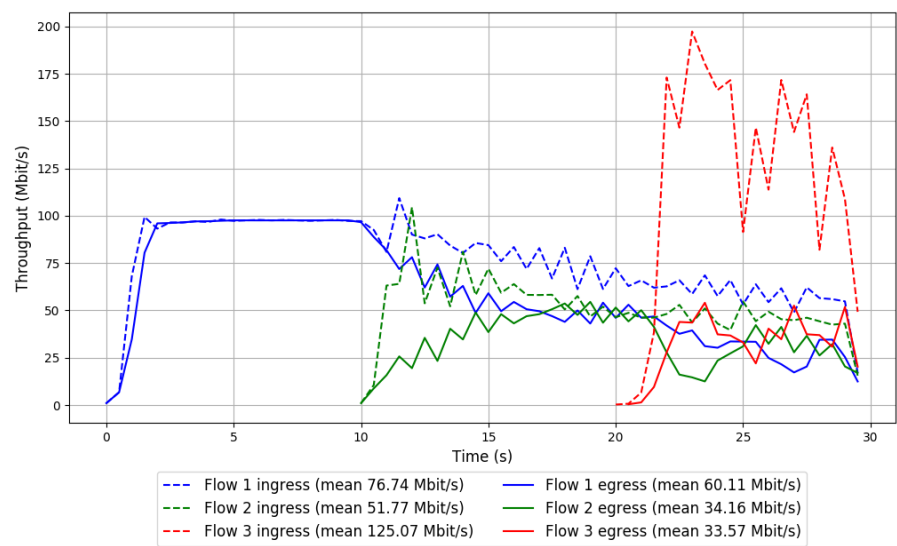


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 15:59:43
End at: 2018-02-16 16:00:13
Local clock offset: -5.105 ms
Remote clock offset: 12.279 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 119.103 ms
Loss rate: 37.73%
-- Flow 1:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 118.260 ms
Loss rate: 21.59%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 119.258 ms
Loss rate: 33.92%
-- Flow 3:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 117.807 ms
Loss rate: 73.16%

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

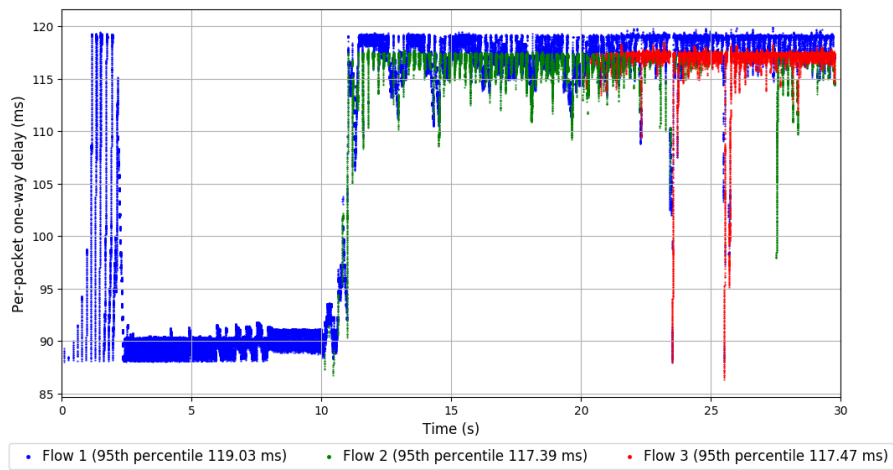
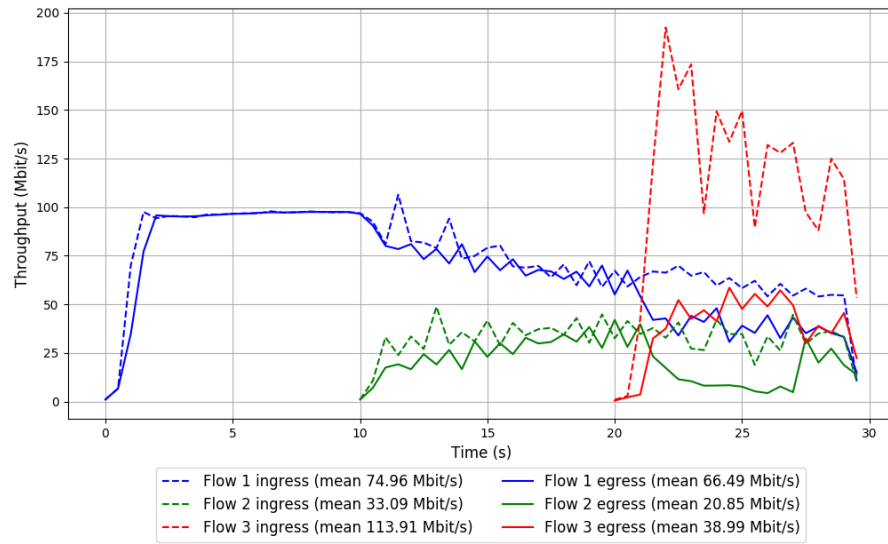


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 16:23:15
End at: 2018-02-16 16:23:45
Local clock offset: -7.216 ms
Remote clock offset: 16.832 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 119.014 ms
Loss rate: 30.45%
-- Flow 1:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 119.034 ms
Loss rate: 11.21%
-- Flow 2:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 117.385 ms
Loss rate: 36.91%
-- Flow 3:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 117.473 ms
Loss rate: 65.76%

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

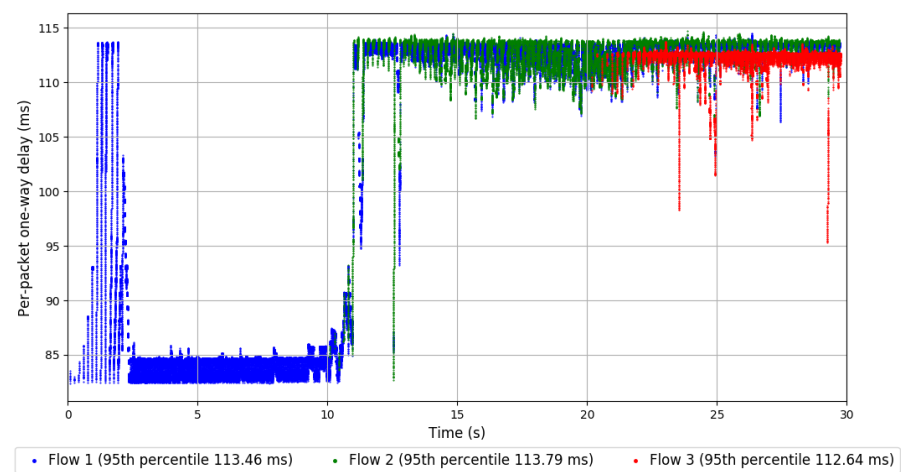
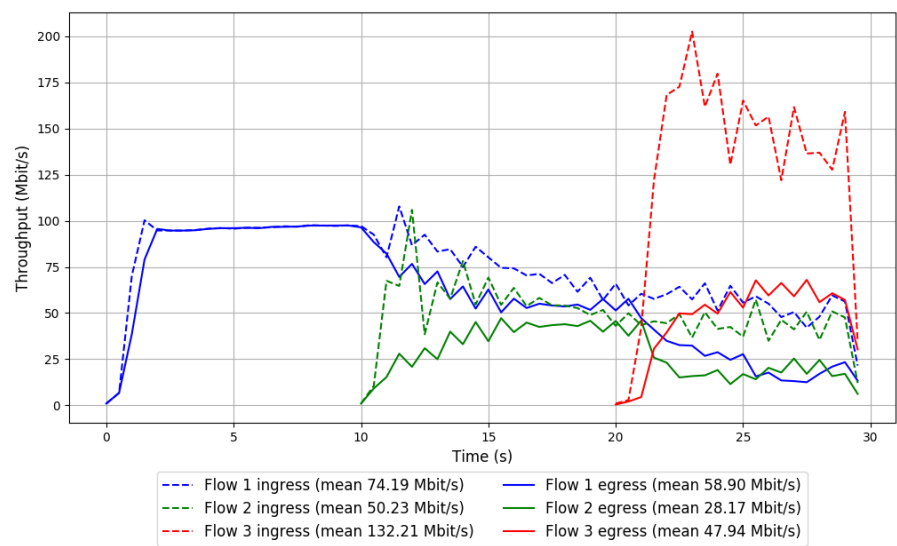


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 16:47:09
End at: 2018-02-16 16:47:39
Local clock offset: -5.989 ms
Remote clock offset: 14.909 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 113.655 ms
Loss rate: 37.99%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 113.458 ms
Loss rate: 20.53%
-- Flow 2:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 113.794 ms
Loss rate: 43.85%
-- Flow 3:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 112.640 ms
Loss rate: 63.73%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 17:10:53

End at: 2018-02-16 17:11:23

Local clock offset: -5.92 ms

Remote clock offset: 17.02 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 119.377 ms

Loss rate: 37.30%

-- Flow 1:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 119.394 ms

Loss rate: 15.08%

-- Flow 2:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 118.269 ms

Loss rate: 37.00%

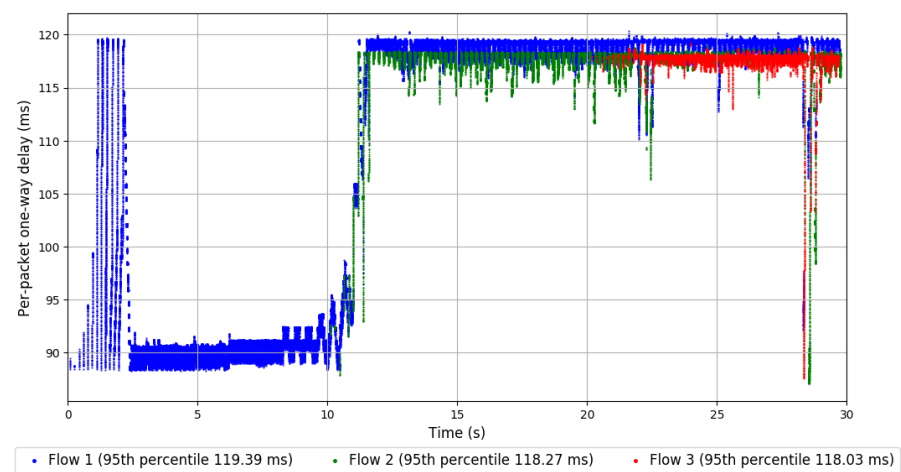
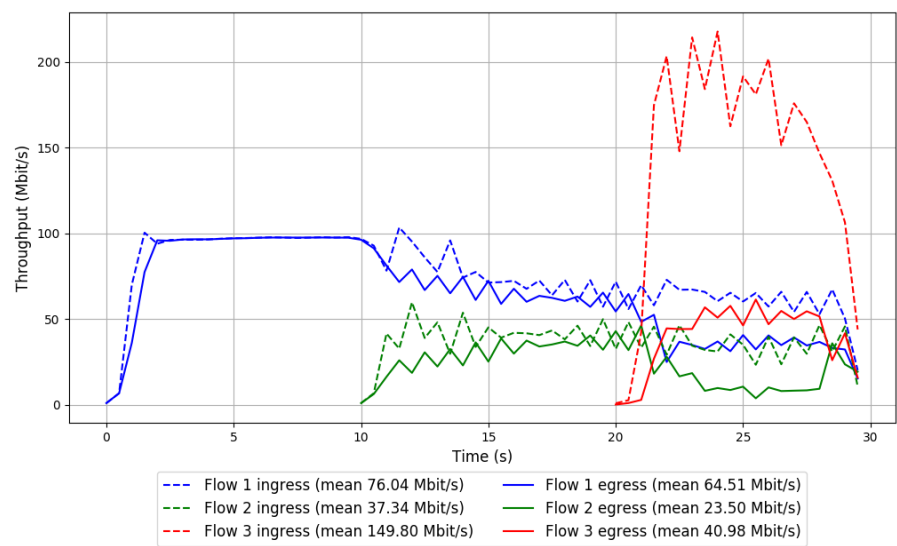
-- Flow 3:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 118.027 ms

Loss rate: 72.64%

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

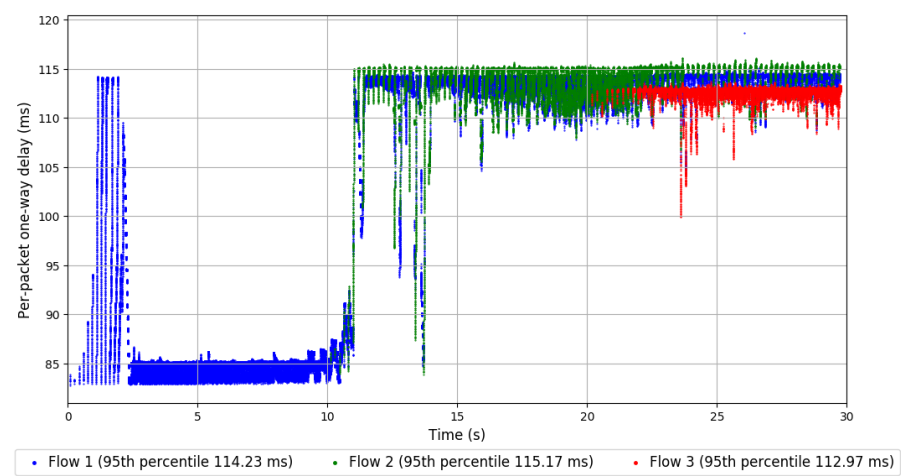
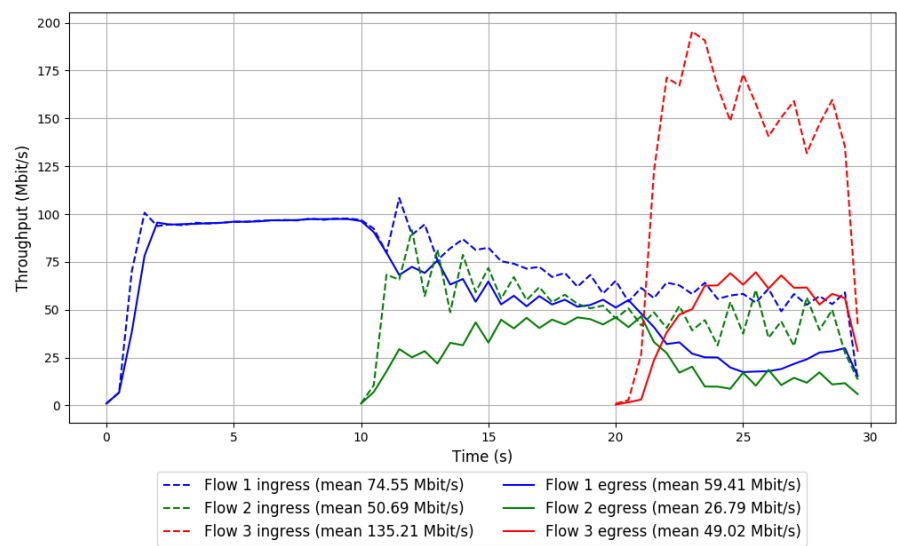


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 17:34:22
End at: 2018-02-16 17:34:52
Local clock offset: -6.402 ms
Remote clock offset: -3.177 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 114.916 ms
Loss rate: 38.68%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 114.228 ms
Loss rate: 20.22%
-- Flow 2:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 115.169 ms
Loss rate: 47.07%
-- Flow 3:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 112.968 ms
Loss rate: 63.74%

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

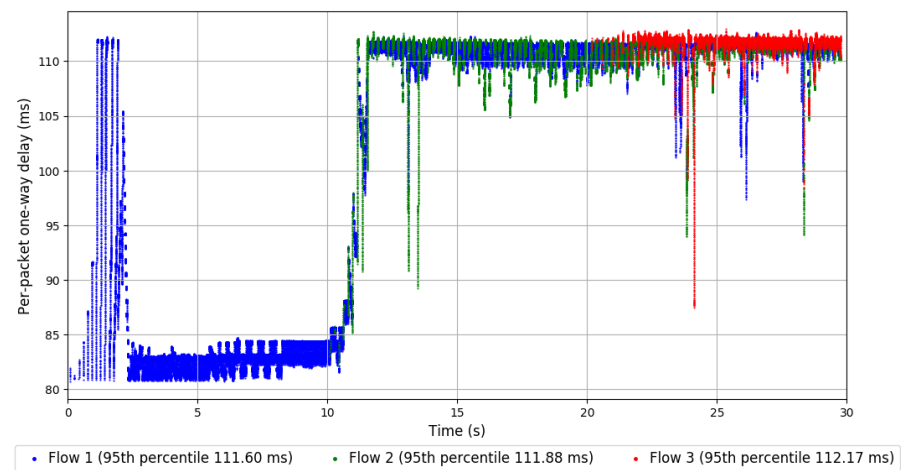
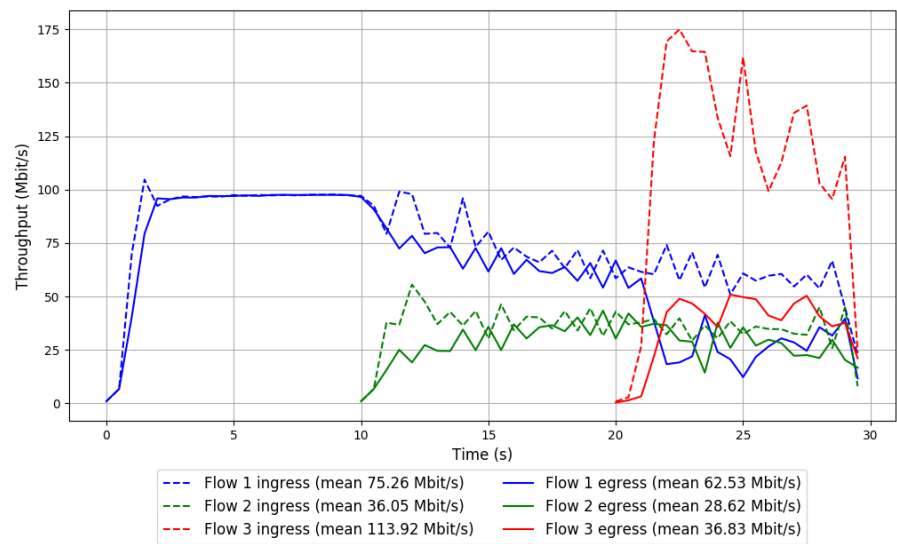


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 17:57:52
End at: 2018-02-16 17:58:22
Local clock offset: -2.759 ms
Remote clock offset: -14.493 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 112.017 ms
Loss rate: 31.25%
-- Flow 1:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 111.601 ms
Loss rate: 16.83%
-- Flow 2:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 111.881 ms
Loss rate: 20.52%
-- Flow 3:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 112.173 ms
Loss rate: 67.67%

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

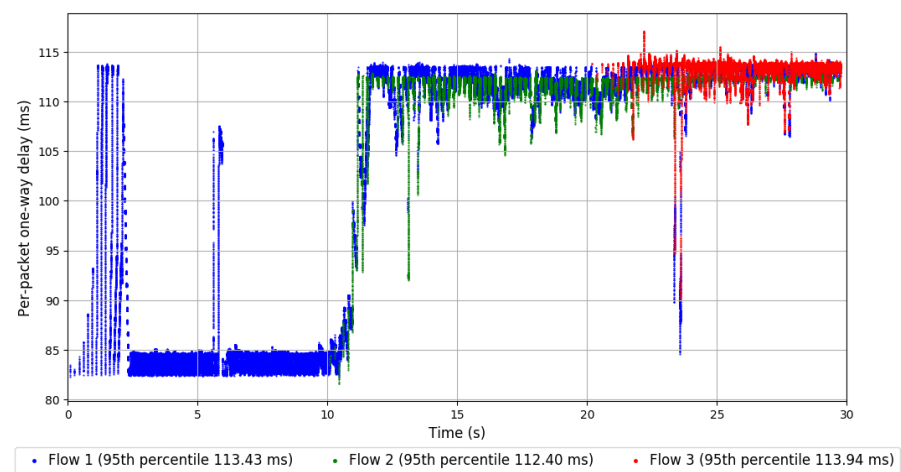
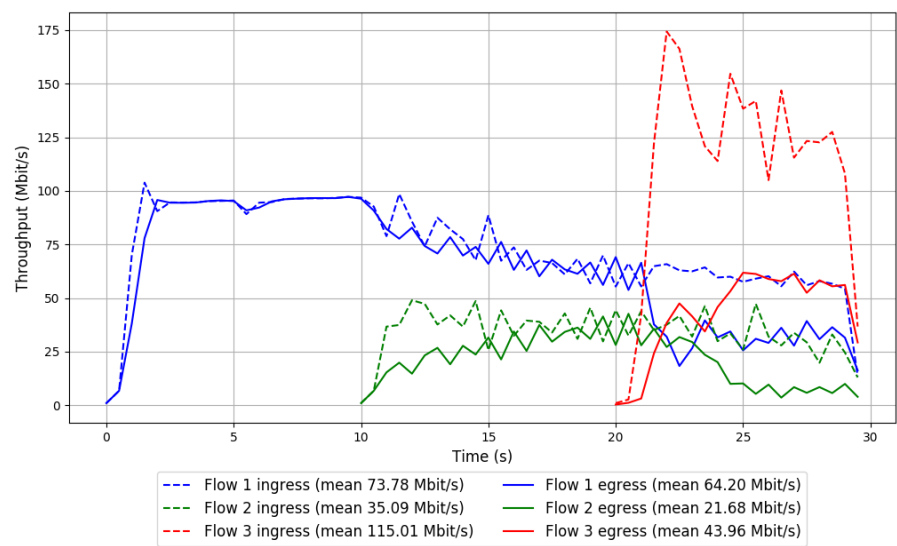


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 18:21:41
End at: 2018-02-16 18:22:11
Local clock offset: -3.522 ms
Remote clock offset: -8.718 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 113.731 ms
Loss rate: 30.79%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 113.434 ms
Loss rate: 12.90%
-- Flow 2:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 112.397 ms
Loss rate: 38.11%
-- Flow 3:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 113.943 ms
Loss rate: 61.77%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 14:39:46

End at: 2018-02-16 14:40:16

Local clock offset: -3.59 ms

Remote clock offset: 2.081 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 113.879 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 69.31 Mbit/s

95th percentile per-packet one-way delay: 113.724 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 114.342 ms

Loss rate: 0.42%

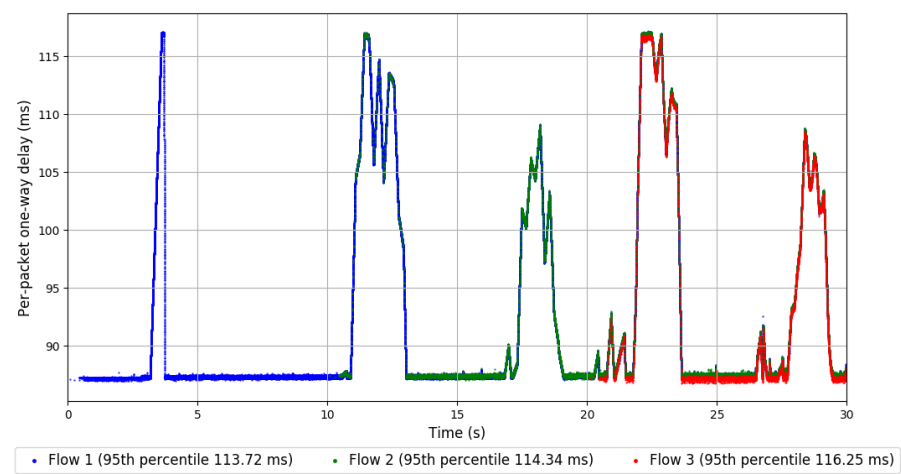
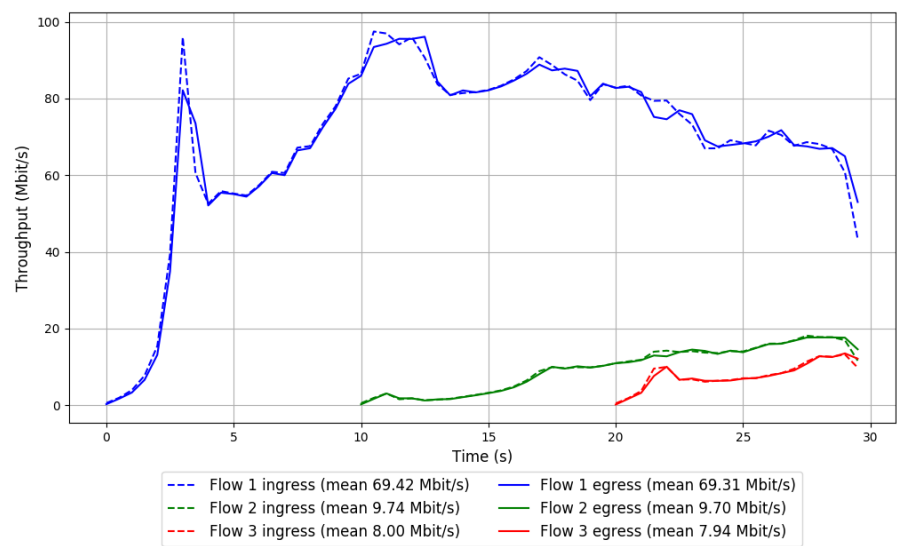
-- Flow 3:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 116.255 ms

Loss rate: 0.85%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 15:03:39

End at: 2018-02-16 15:04:09

Local clock offset: -6.225 ms

Remote clock offset: 2.217 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 114.383 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 114.386 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 21.85 Mbit/s

95th percentile per-packet one-way delay: 114.272 ms

Loss rate: 0.09%

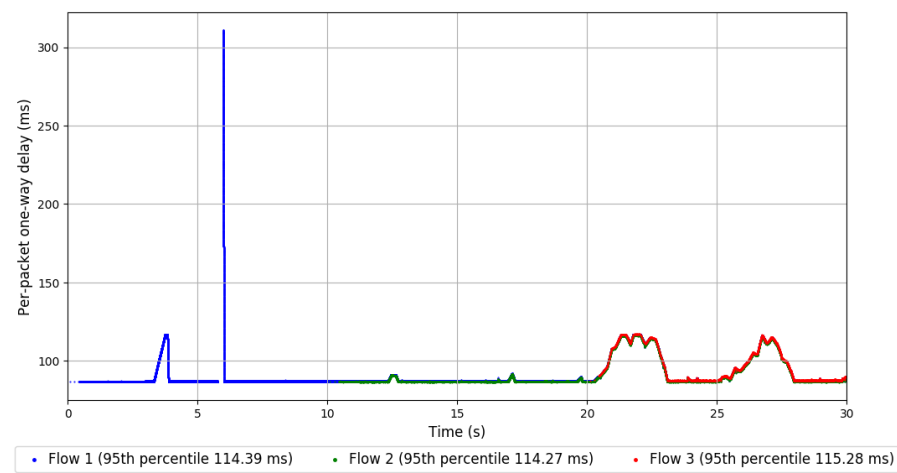
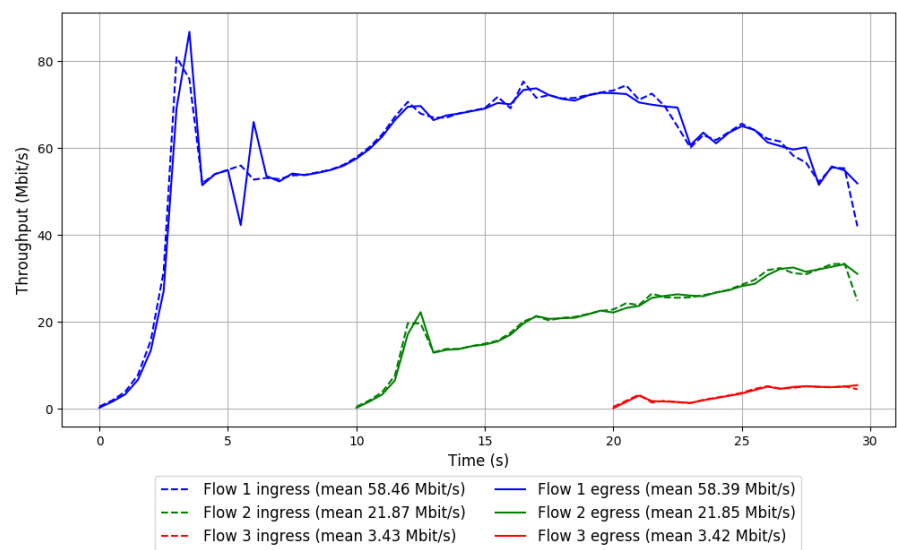
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 115.285 ms

Loss rate: 0.25%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 15:27:09

End at: 2018-02-16 15:27:39

Local clock offset: -6.508 ms

Remote clock offset: 2.048 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 116.977 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 64.92 Mbit/s

95th percentile per-packet one-way delay: 116.846 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 116.999 ms

Loss rate: 0.98%

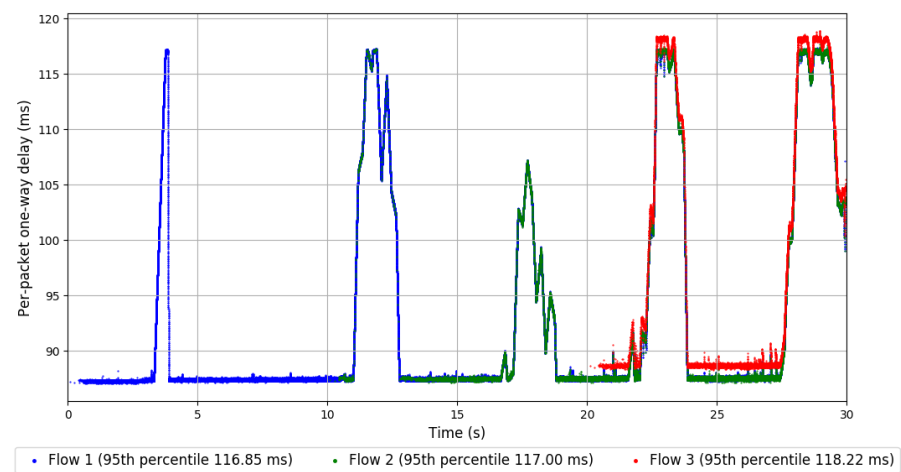
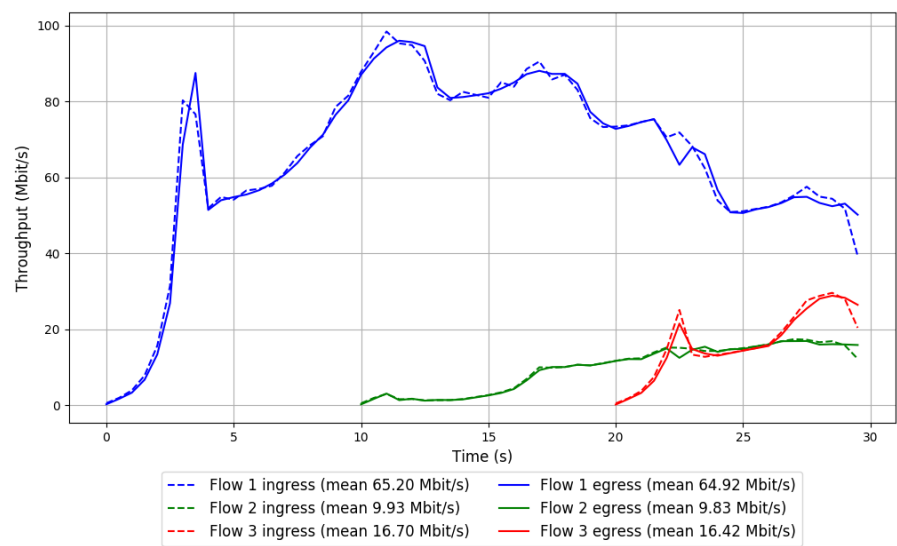
-- Flow 3:

Average throughput: 16.42 Mbit/s

95th percentile per-packet one-way delay: 118.224 ms

Loss rate: 1.54%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 15:50:40

End at: 2018-02-16 15:51:10

Local clock offset: -4.818 ms

Remote clock offset: 9.281 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.03 Mbit/s

95th percentile per-packet one-way delay: 104.068 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 70.78 Mbit/s

95th percentile per-packet one-way delay: 102.101 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 109.290 ms

Loss rate: 0.29%

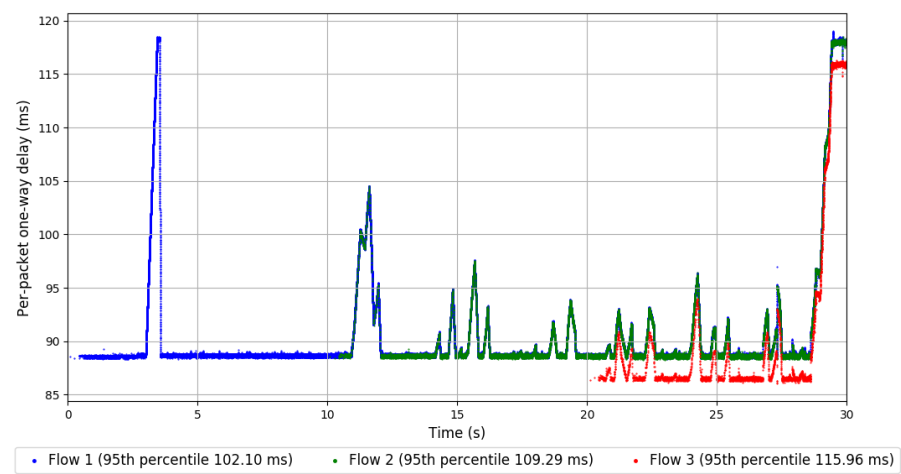
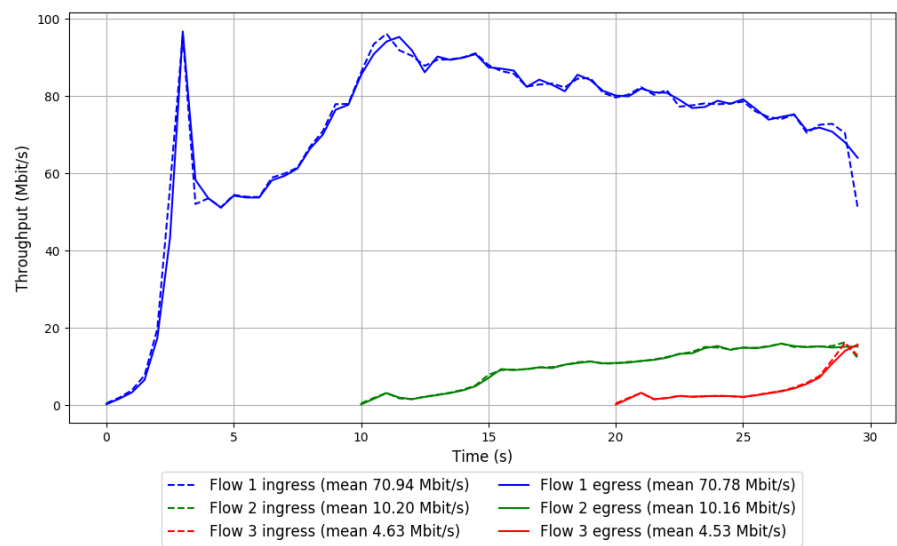
-- Flow 3:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 115.961 ms

Loss rate: 1.92%

Run 4: Report of Vivace-latency — Data Link

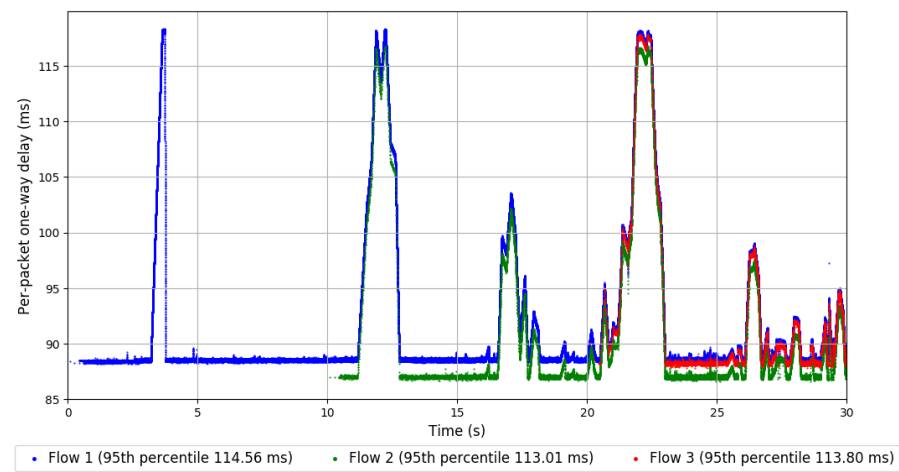
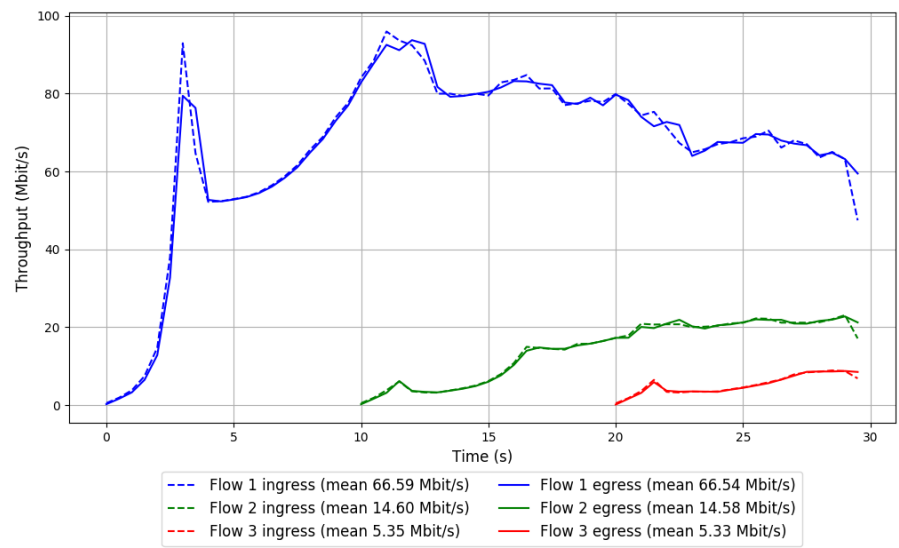


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 16:14:13
End at: 2018-02-16 16:14:43
Local clock offset: -6.858 ms
Remote clock offset: 15.064 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 114.422 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 114.558 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 113.010 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 113.802 ms
Loss rate: 0.35%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 16:38:05

End at: 2018-02-16 16:38:35

Local clock offset: -6.555 ms

Remote clock offset: 13.58 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 104.988 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 71.12 Mbit/s

95th percentile per-packet one-way delay: 105.649 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 99.284 ms

Loss rate: 0.03%

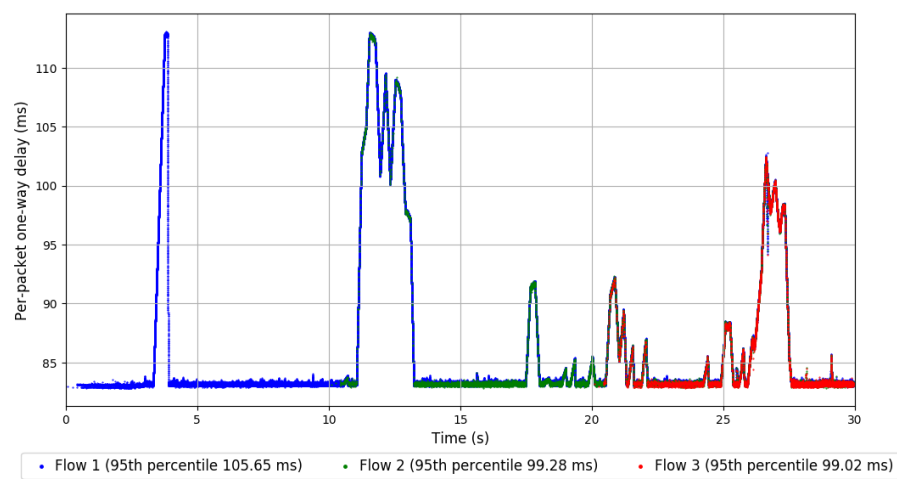
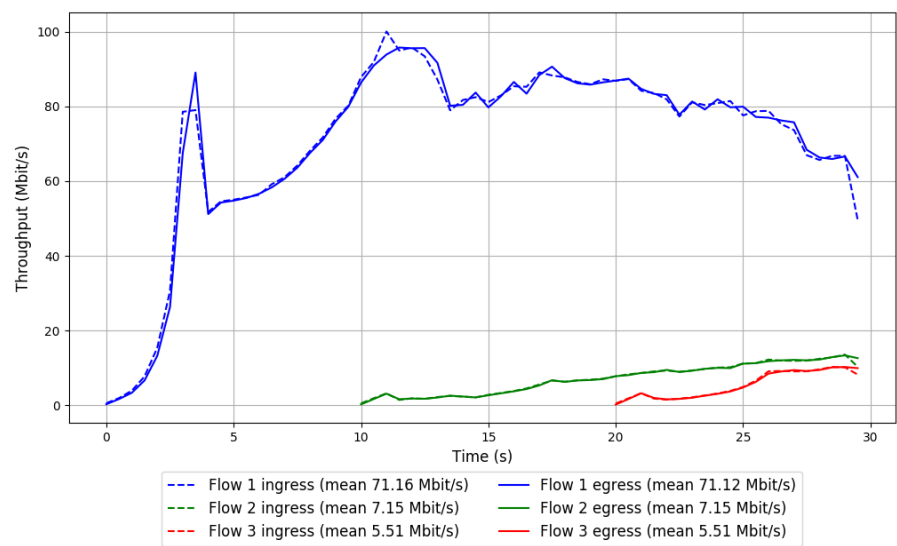
-- Flow 3:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 99.015 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

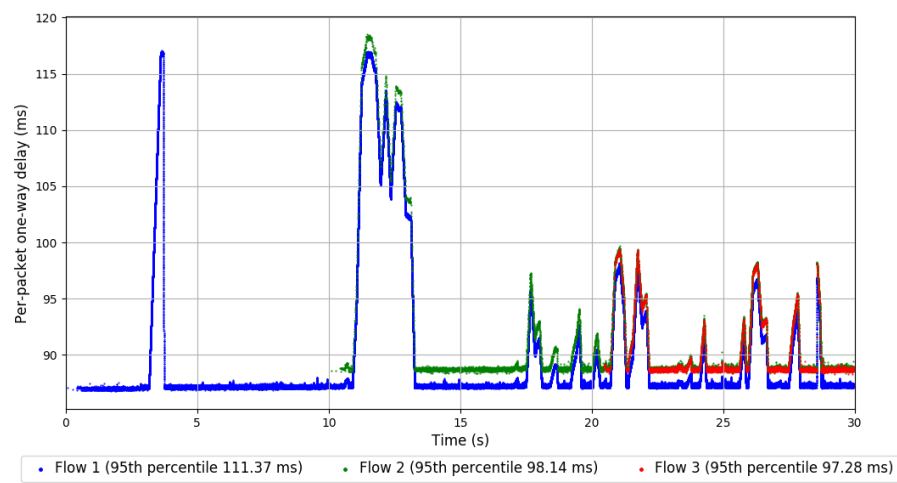
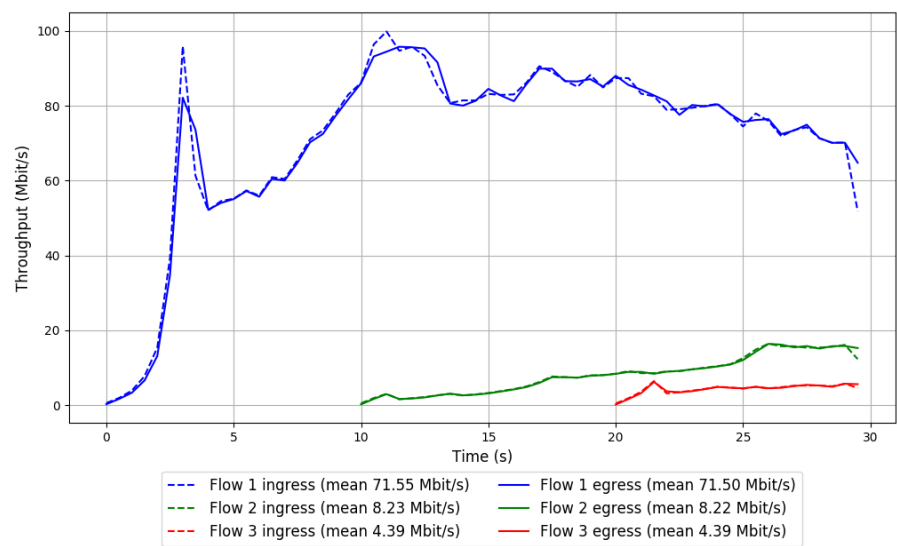


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 17:01:52
End at: 2018-02-16 17:02:22
Local clock offset: -5.719 ms
Remote clock offset: 17.463 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 110.690 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 111.369 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 98.145 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 97.280 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 17:25:22

End at: 2018-02-16 17:25:52

Local clock offset: -6.306 ms

Remote clock offset: 13.51 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 118.645 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 67.73 Mbit/s

95th percentile per-packet one-way delay: 118.604 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 117.799 ms

Loss rate: 0.75%

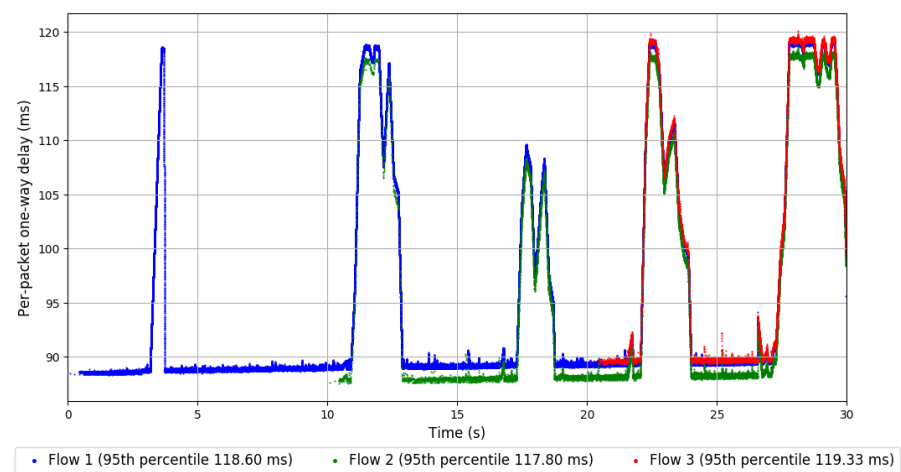
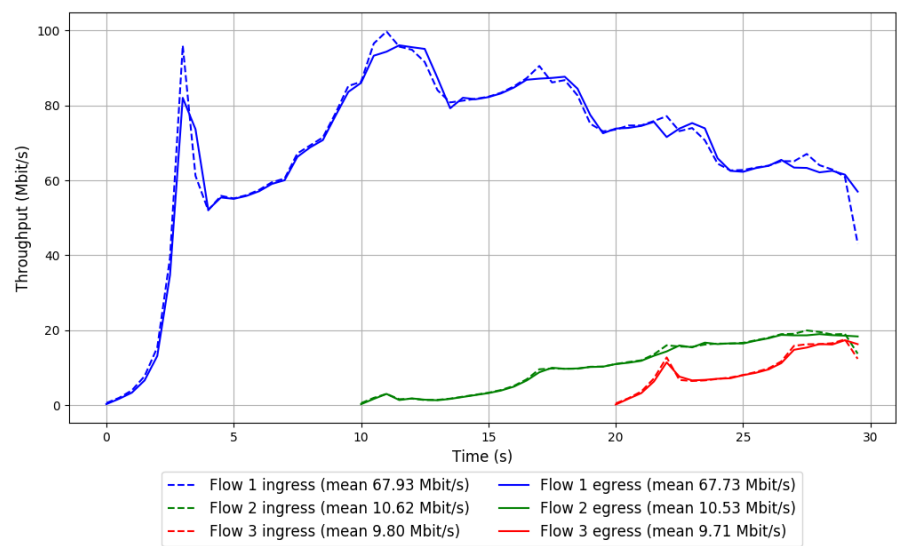
-- Flow 3:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 119.333 ms

Loss rate: 0.81%

Run 8: Report of Vivace-latency — Data Link

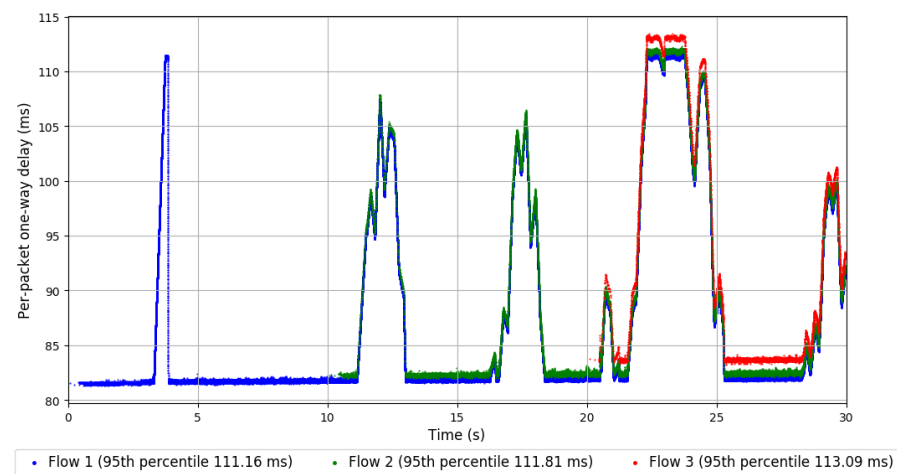
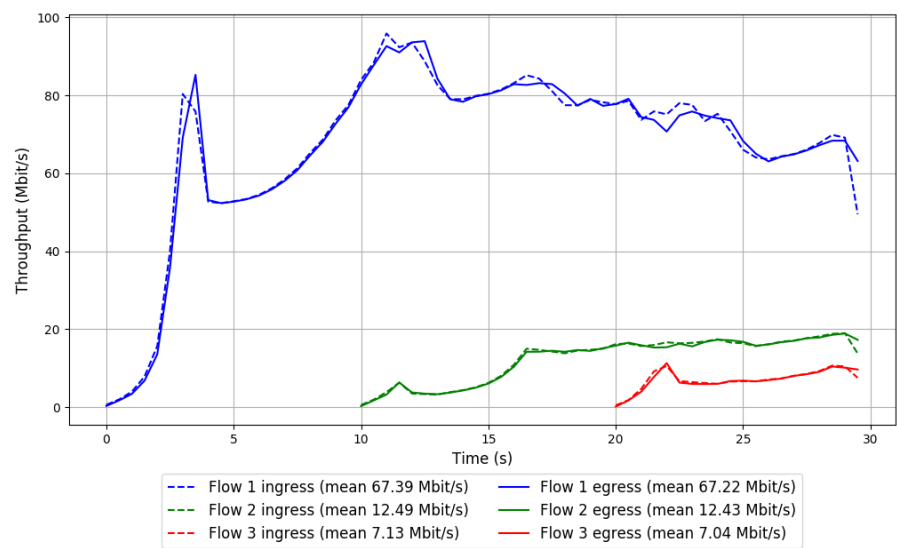


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 17:48:50
End at: 2018-02-16 17:49:20
Local clock offset: -4.058 ms
Remote clock offset: -11.252 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 111.262 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 111.163 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 111.806 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 113.089 ms
Loss rate: 1.11%

Run 9: Report of Vivace-latency — Data Link

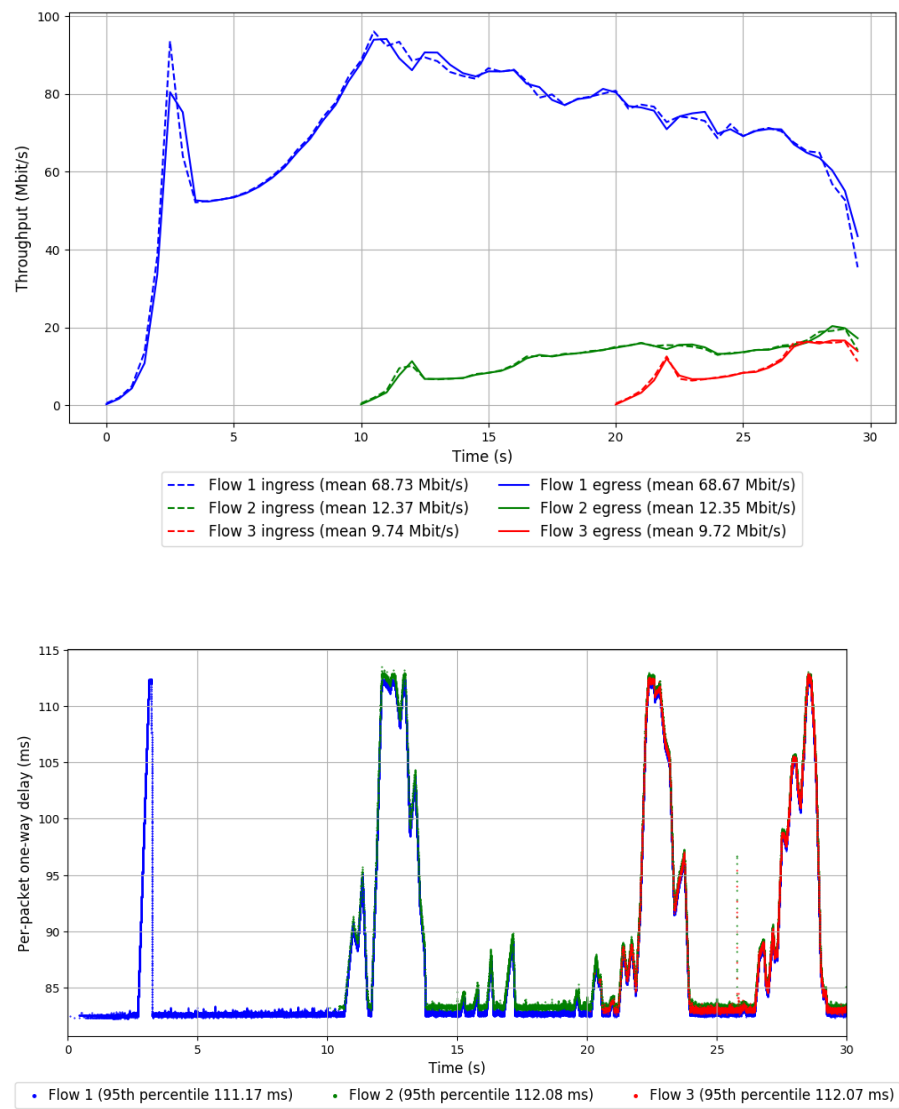


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 18:12:41
End at: 2018-02-16 18:13:11
Local clock offset: -1.569 ms
Remote clock offset: -8.441 ms

Below is generated by plot.py at 2018-02-16 19:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 111.373 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 111.168 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 112.085 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 112.072 ms
Loss rate: 0.15%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 14:34:26

End at: 2018-02-16 14:34:56

Local clock offset: -3.856 ms

Remote clock offset: 1.174 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 116.118 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 80.66 Mbit/s

95th percentile per-packet one-way delay: 116.121 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 116.099 ms

Loss rate: 2.90%

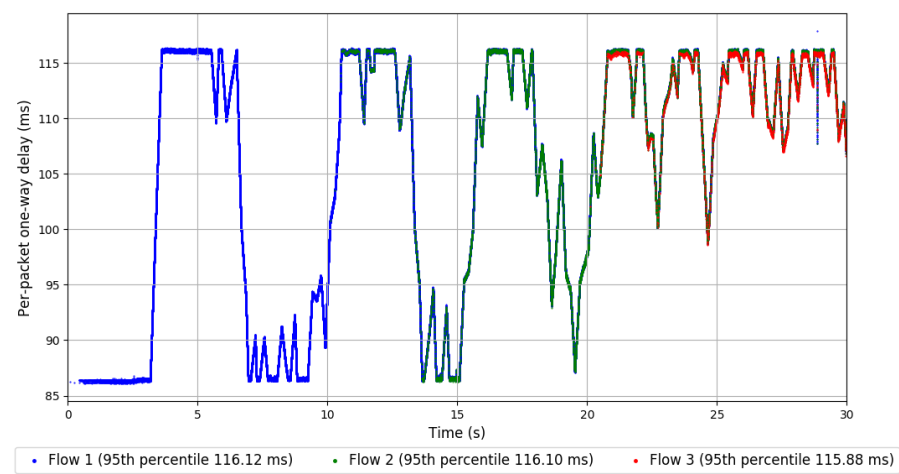
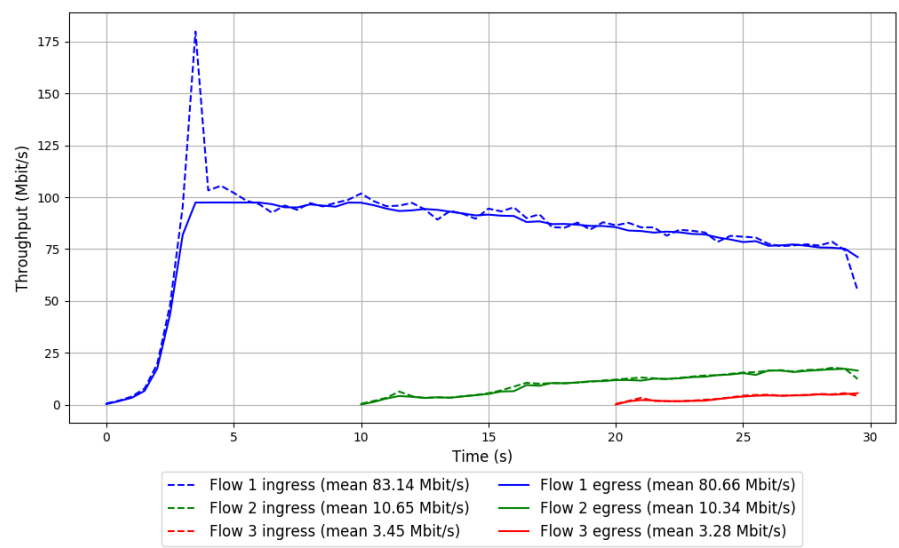
-- Flow 3:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 115.884 ms

Loss rate: 4.90%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 14:58:22

End at: 2018-02-16 14:58:52

Local clock offset: -5.601 ms

Remote clock offset: 2.307 ms

Below is generated by plot.py at 2018-02-16 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 116.707 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 116.709 ms

Loss rate: 2.87%

-- Flow 2:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 116.681 ms

Loss rate: 3.44%

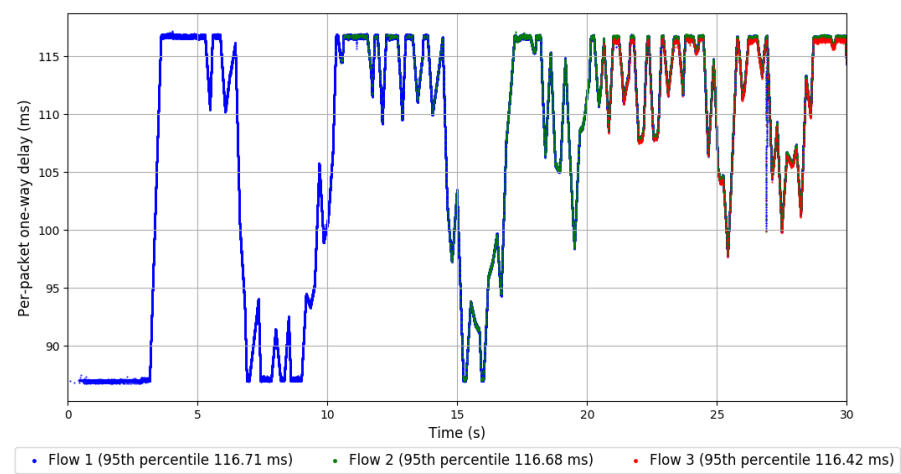
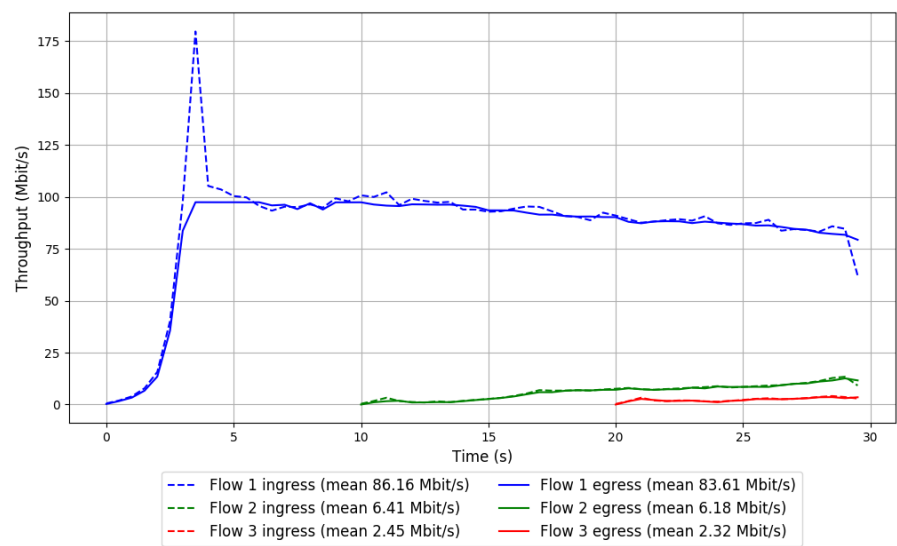
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 116.416 ms

Loss rate: 5.63%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 15:21:51

End at: 2018-02-16 15:22:21

Local clock offset: -7.123 ms

Remote clock offset: 2.15 ms

Below is generated by plot.py at 2018-02-16 19:17:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.90 Mbit/s

95th percentile per-packet one-way delay: 116.523 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 116.506 ms

Loss rate: 2.84%

-- Flow 2:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 118.481 ms

Loss rate: 4.54%

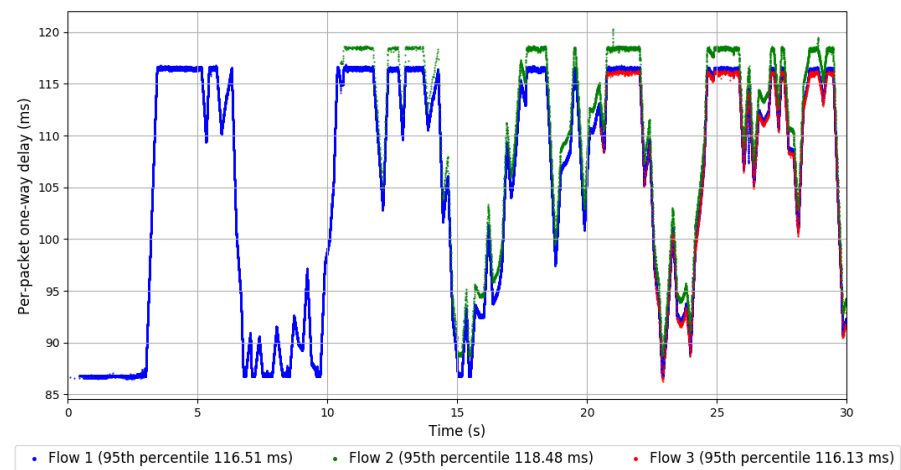
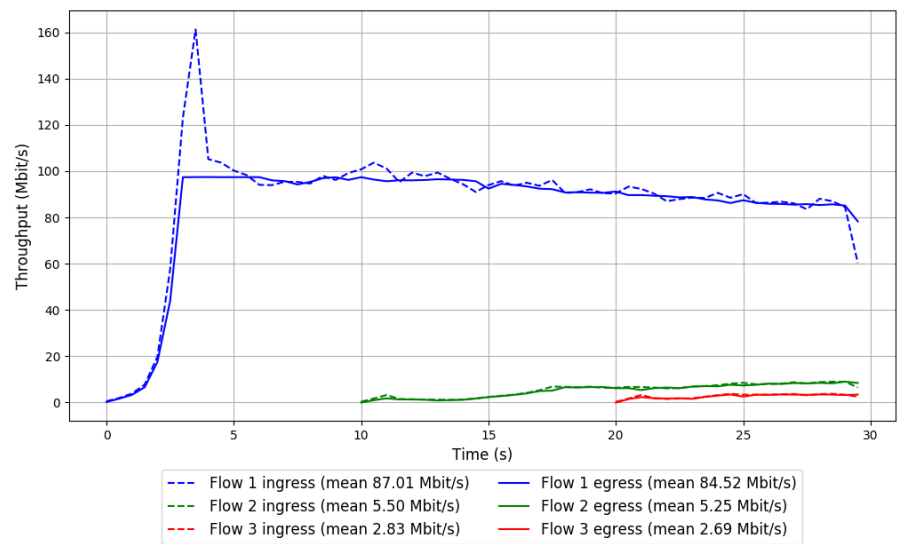
-- Flow 3:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 116.126 ms

Loss rate: 5.02%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 15:45:19

End at: 2018-02-16 15:45:49

Local clock offset: -5.013 ms

Remote clock offset: 6.264 ms

Below is generated by plot.py at 2018-02-16 19:17:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.58 Mbit/s

95th percentile per-packet one-way delay: 117.035 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 117.036 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 116.837 ms

Loss rate: 2.96%

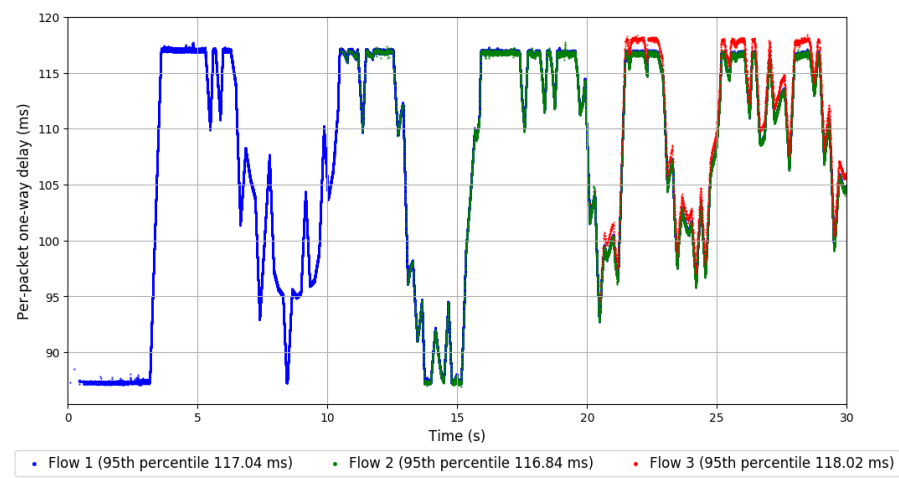
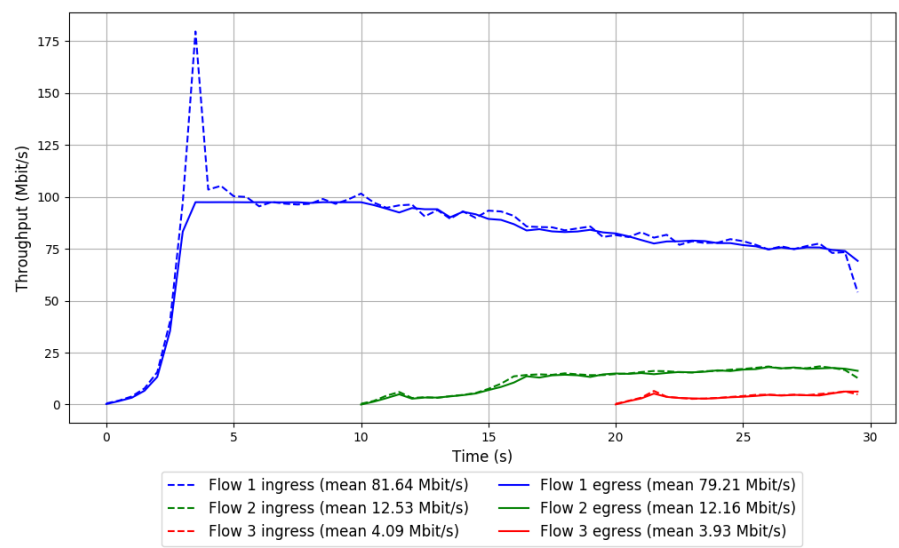
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 118.022 ms

Loss rate: 3.90%

Run 4: Report of Vivace-loss — Data Link

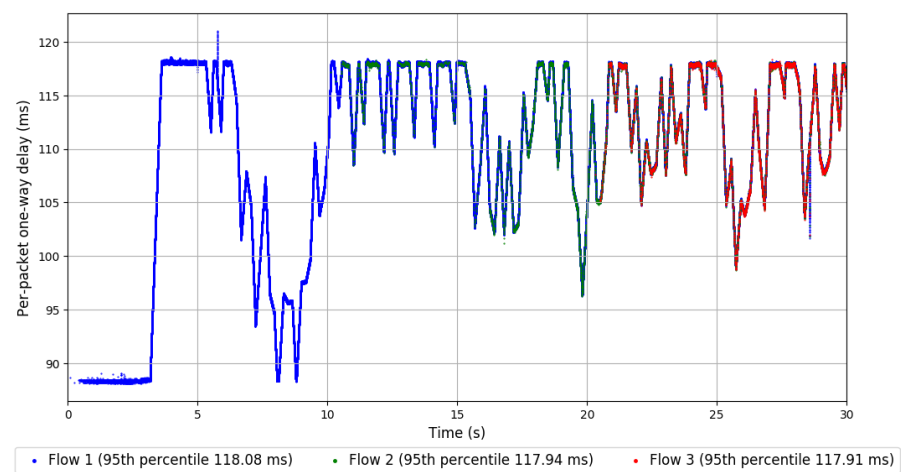
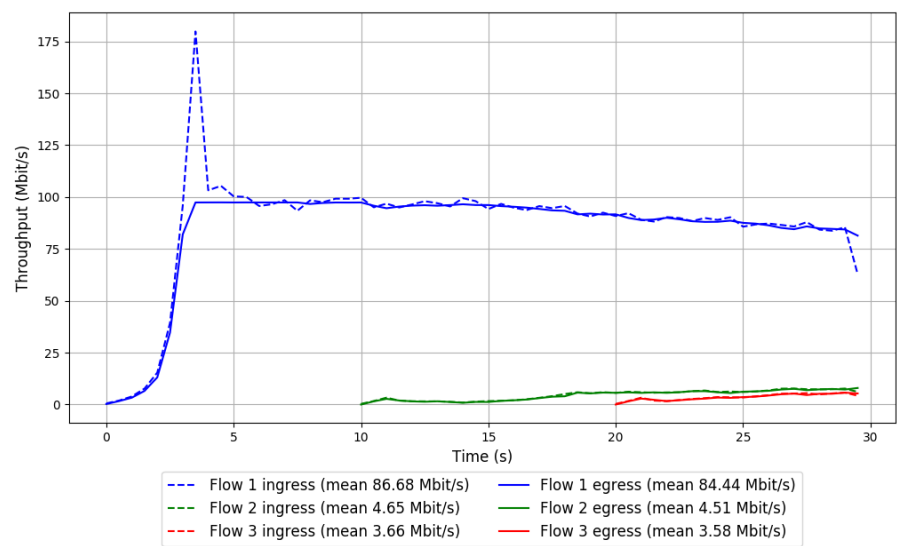


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 16:08:54
End at: 2018-02-16 16:09:25
Local clock offset: -6.46 ms
Remote clock offset: 14.169 ms

Below is generated by plot.py at 2018-02-16 19:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 118.072 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 118.076 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 117.943 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 117.908 ms
Loss rate: 2.20%

Run 5: Report of Vivace-loss — Data Link

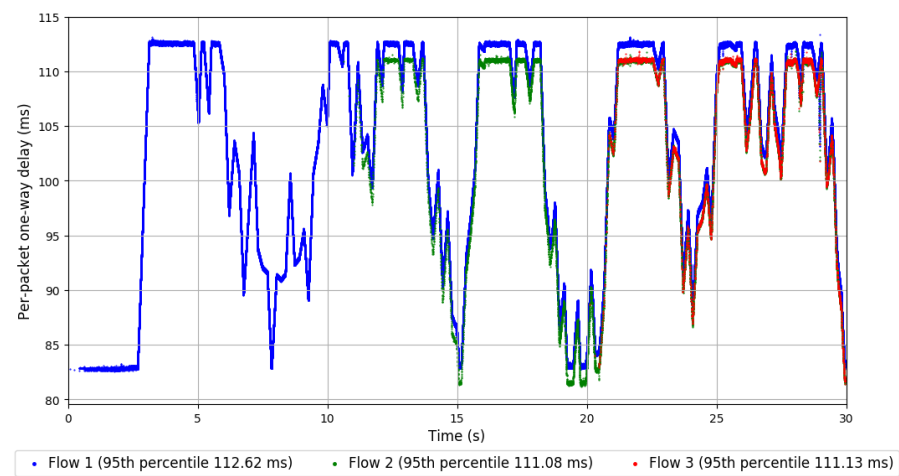
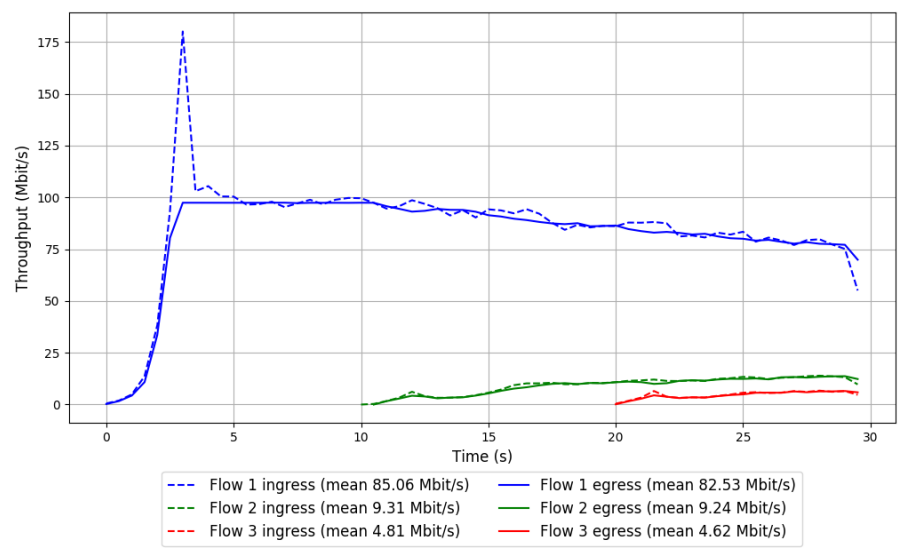


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 16:32:29
End at: 2018-02-16 16:32:59
Local clock offset: -7.309 ms
Remote clock offset: 12.753 ms

Below is generated by plot.py at 2018-02-16 19:17:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 112.613 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 112.619 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 111.083 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 111.129 ms
Loss rate: 4.04%

Run 6: Report of Vivace-loss — Data Link

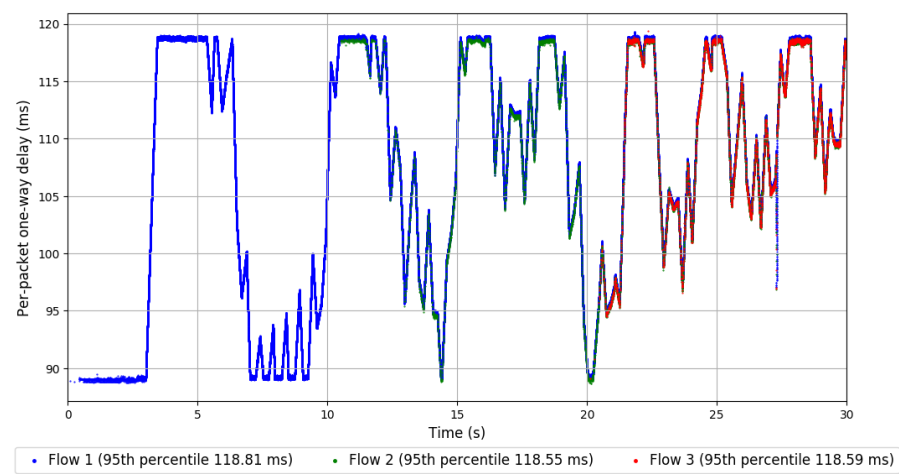
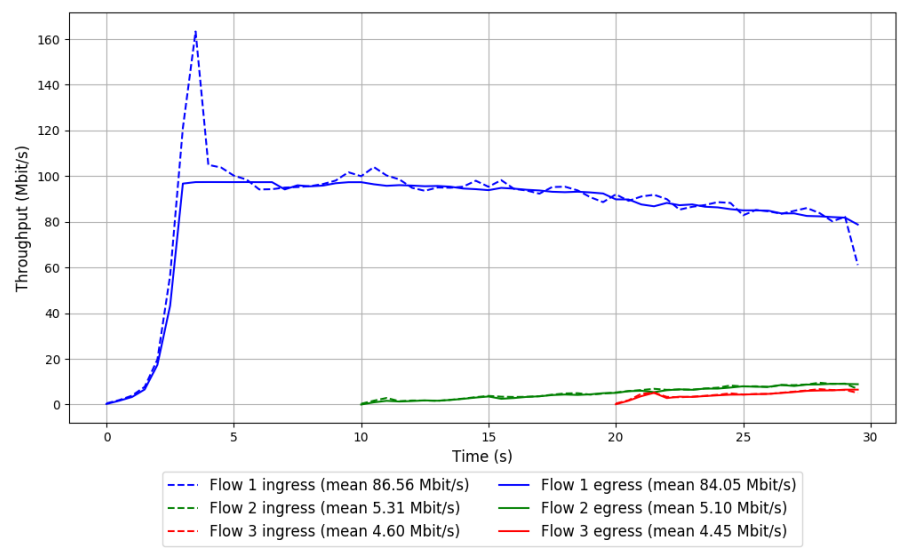


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 16:56:20
End at: 2018-02-16 16:56:50
Local clock offset: -5.735 ms
Remote clock offset: 18.223 ms

Below is generated by plot.py at 2018-02-16 19:17:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 118.807 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 118.811 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 118.552 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 118.587 ms
Loss rate: 2.90%

Run 7: Report of Vivace-loss — Data Link

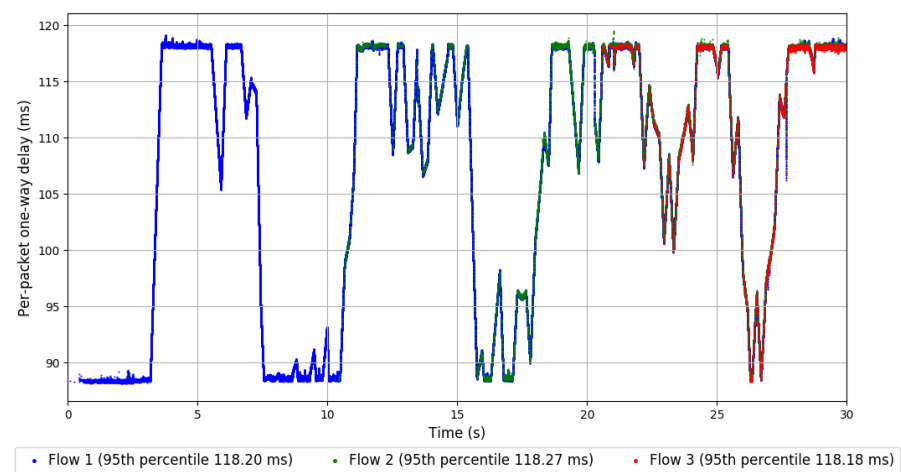
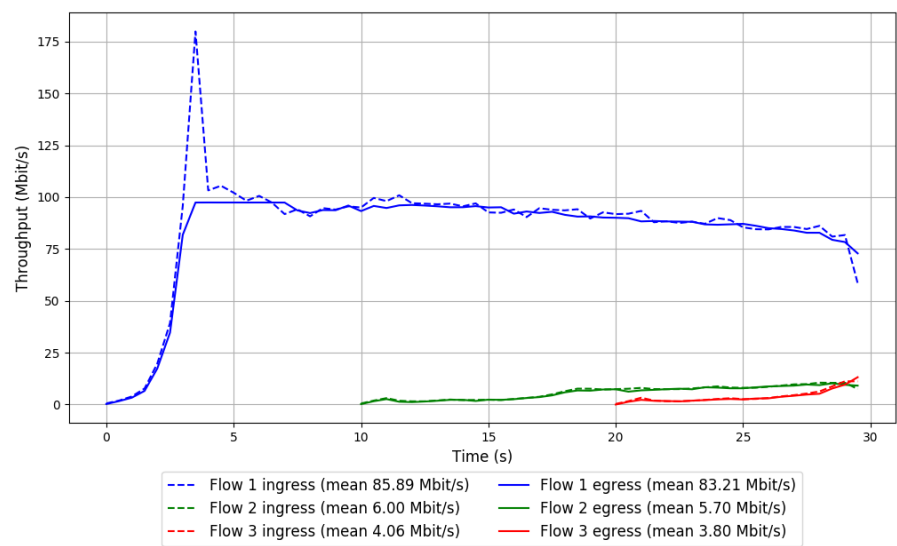


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 17:20:04
End at: 2018-02-16 17:20:34
Local clock offset: -6.227 ms
Remote clock offset: 17.158 ms

Below is generated by plot.py at 2018-02-16 19:18:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 118.206 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 118.203 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 118.269 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 118.179 ms
Loss rate: 6.48%

Run 8: Report of Vivace-loss — Data Link

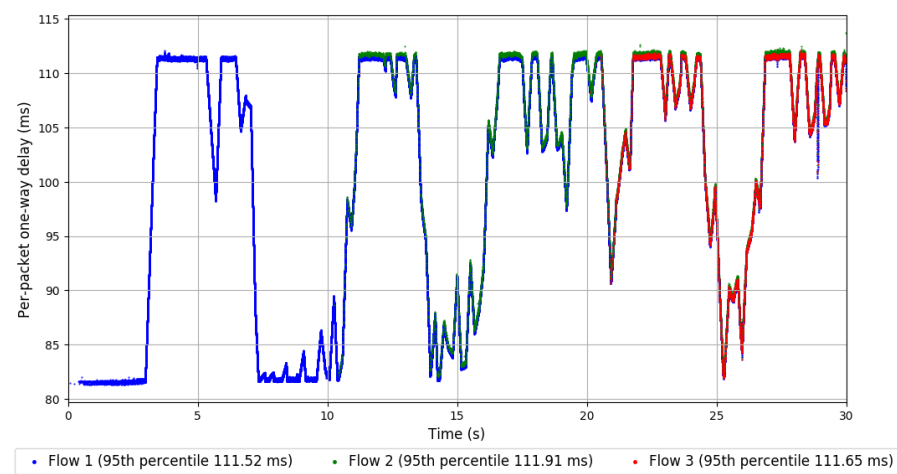
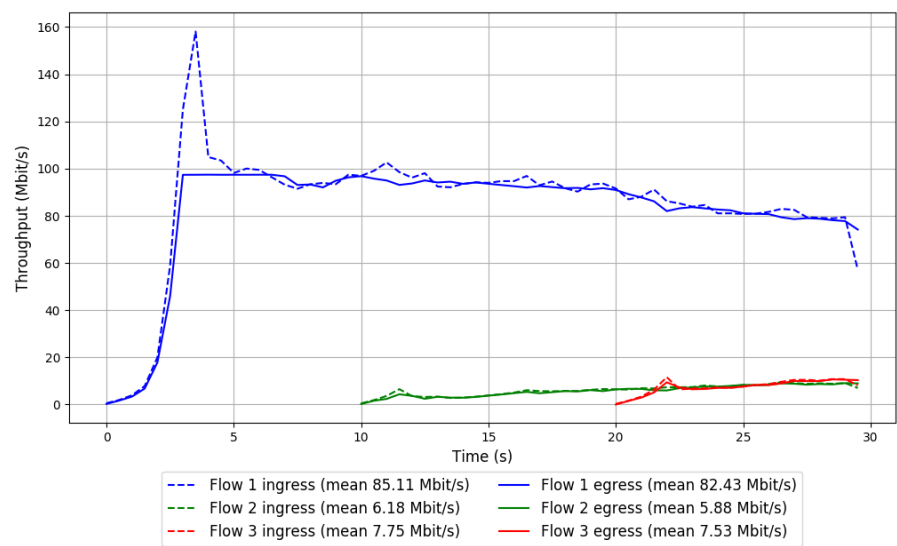


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 17:43:33
End at: 2018-02-16 17:44:03
Local clock offset: -5.274 ms
Remote clock offset: -8.882 ms

Below is generated by plot.py at 2018-02-16 19:18:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 111.524 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 111.907 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 111.650 ms
Loss rate: 2.87%

Run 9: Report of Vivace-loss — Data Link

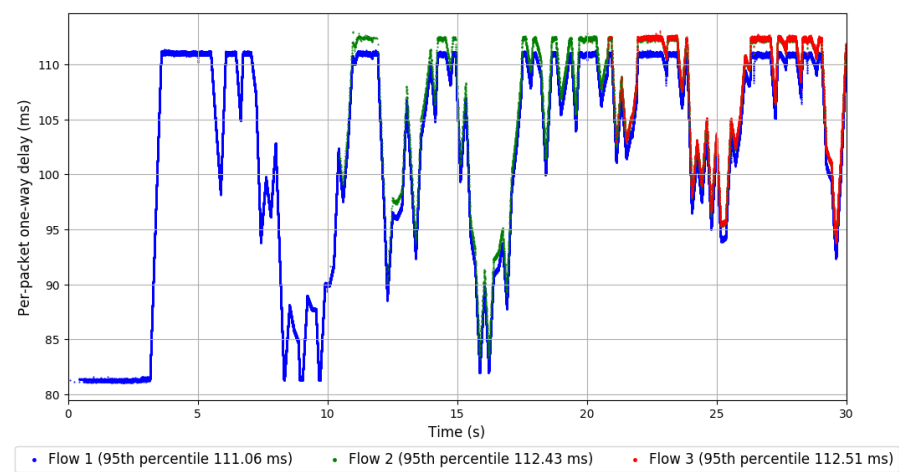
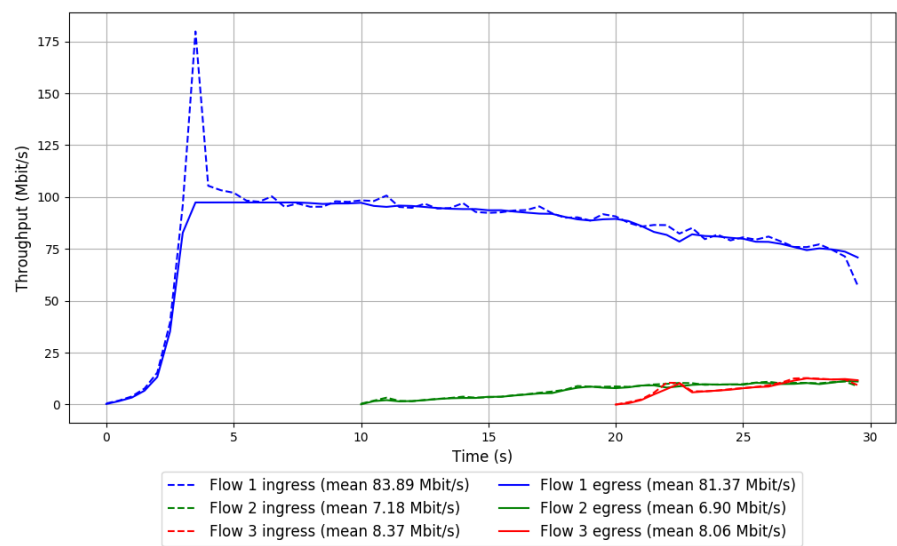


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 18:07:03
End at: 2018-02-16 18:07:33
Local clock offset: -1.953 ms
Remote clock offset: -9.203 ms

Below is generated by plot.py at 2018-02-16 19:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 111.116 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 111.058 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 112.512 ms
Loss rate: 3.61%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 14:37:10

End at: 2018-02-16 14:37:40

Local clock offset: -3.715 ms

Remote clock offset: 2.106 ms

Below is generated by plot.py at 2018-02-16 19:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 116.760 ms

Loss rate: 2.77%

-- Flow 1:

Average throughput: 74.51 Mbit/s

95th percentile per-packet one-way delay: 116.761 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 116.491 ms

Loss rate: 2.06%

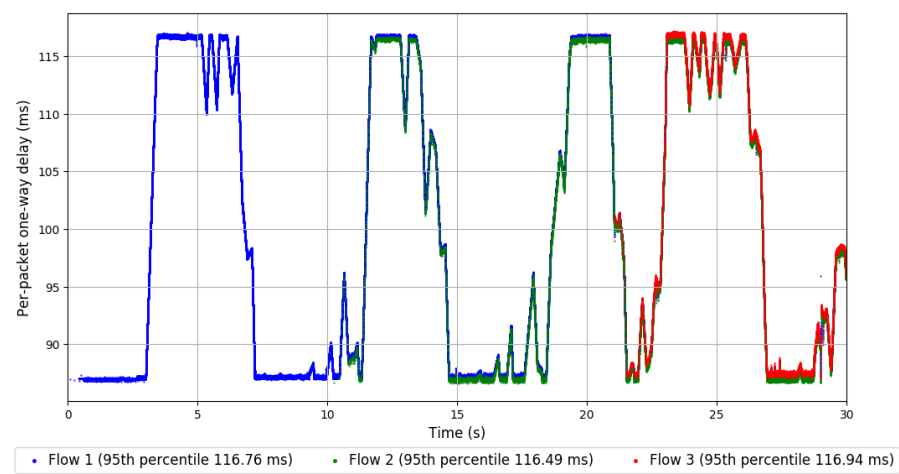
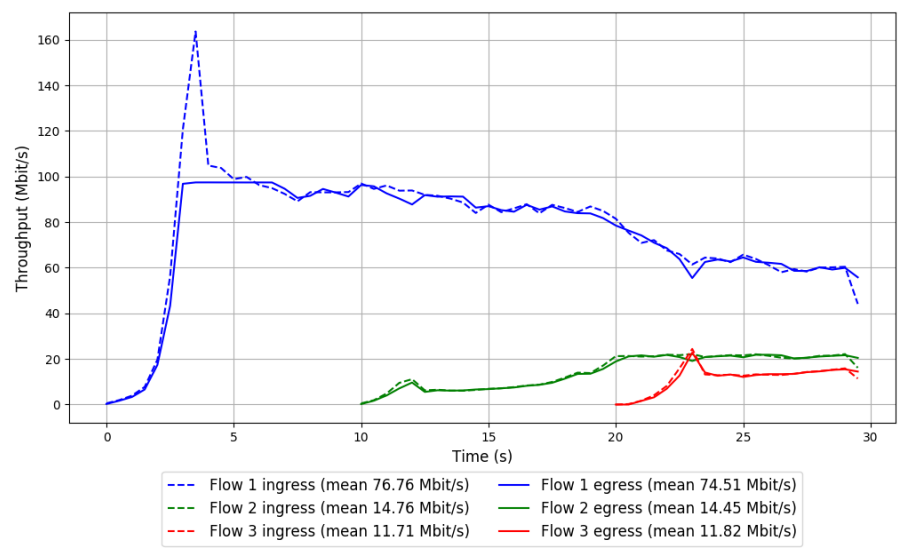
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 116.938 ms

Loss rate: 1.90%

Run 1: Report of Vivace-LTE — Data Link

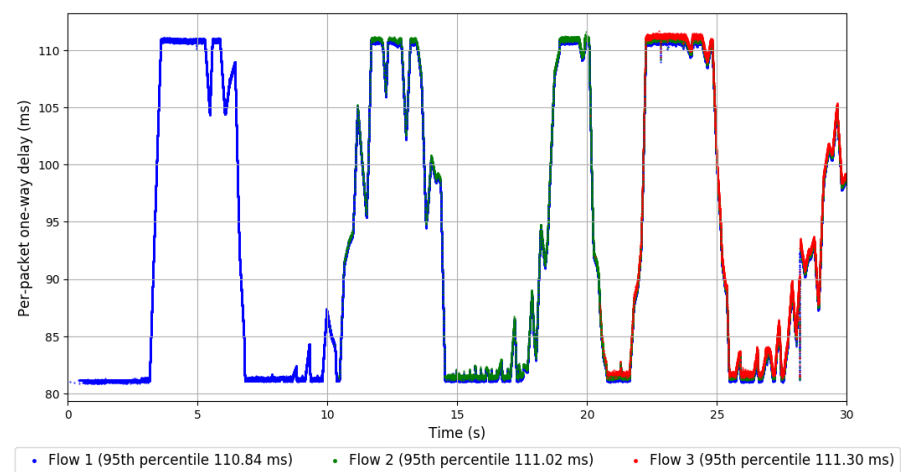
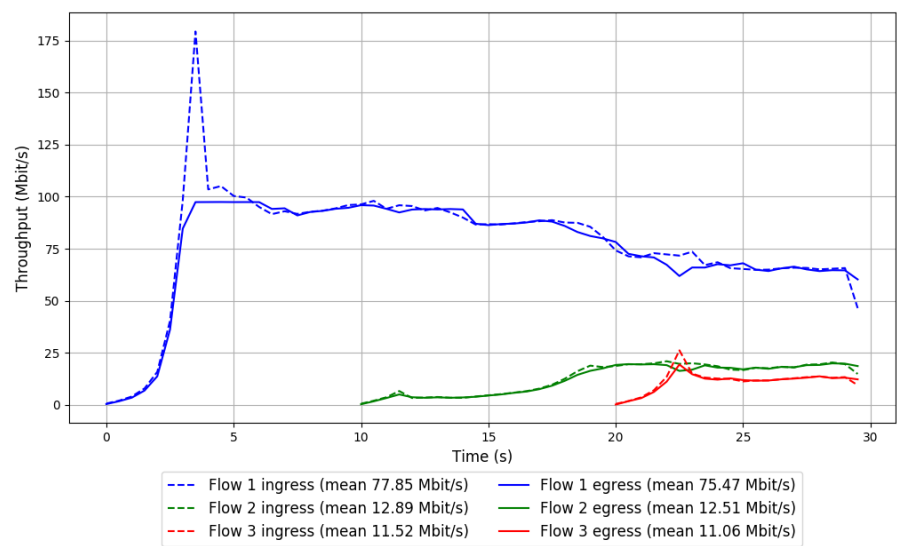


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 15:01:04
End at: 2018-02-16 15:01:34
Local clock offset: -5.988 ms
Remote clock offset: -3.379 ms

Below is generated by plot.py at 2018-02-16 19:19:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 110.879 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 110.841 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 111.022 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 111.301 ms
Loss rate: 4.08%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 15:24:34

End at: 2018-02-16 15:25:04

Local clock offset: -6.986 ms

Remote clock offset: 2.105 ms

Below is generated by plot.py at 2018-02-16 19:19:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 118.618 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 79.26 Mbit/s

95th percentile per-packet one-way delay: 118.627 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 118.348 ms

Loss rate: 1.73%

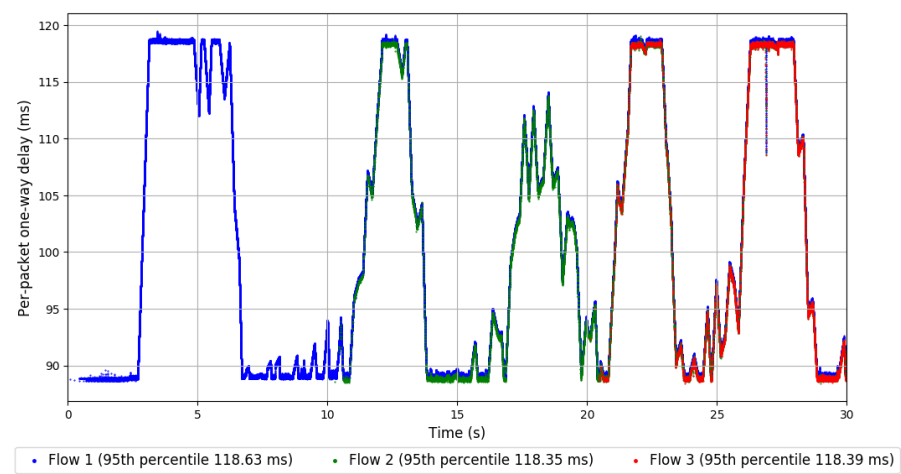
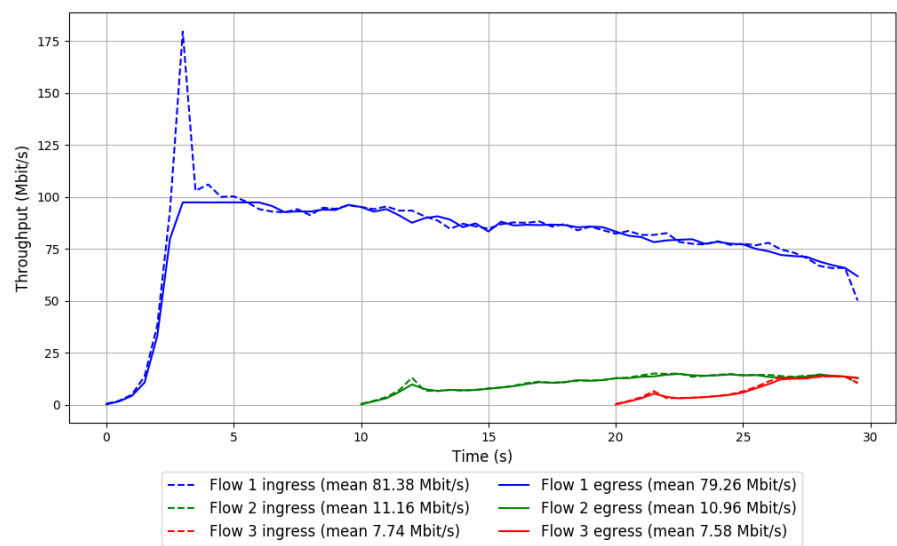
-- Flow 3:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 118.387 ms

Loss rate: 2.10%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 15:48:03

End at: 2018-02-16 15:48:33

Local clock offset: -4.836 ms

Remote clock offset: 8.068 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 118.502 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 75.08 Mbit/s

95th percentile per-packet one-way delay: 118.519 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 116.395 ms

Loss rate: 1.93%

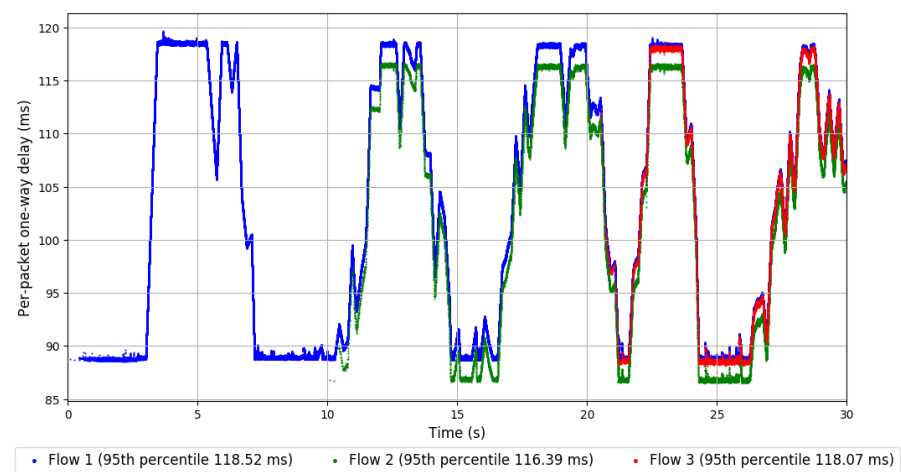
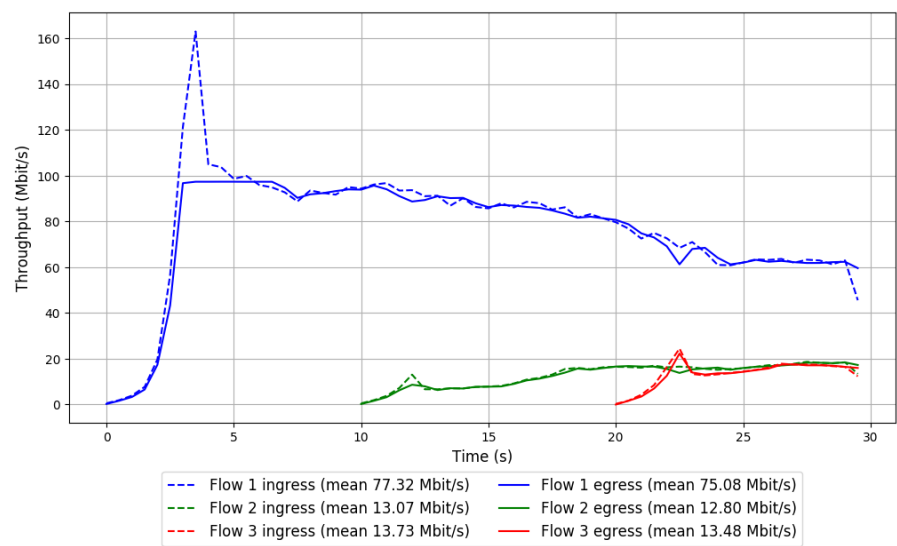
-- Flow 3:

Average throughput: 13.48 Mbit/s

95th percentile per-packet one-way delay: 118.069 ms

Loss rate: 1.84%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

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

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

Local clock offset: -6.659 ms

Remote clock offset: 8.972 ms

Below is generated by plot.py at 2018-02-16 19:19:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 111.048 ms

Loss rate: 3.45%

-- Flow 1:

Average throughput: 74.56 Mbit/s

95th percentile per-packet one-way delay: 110.961 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 111.202 ms

Loss rate: 3.65%

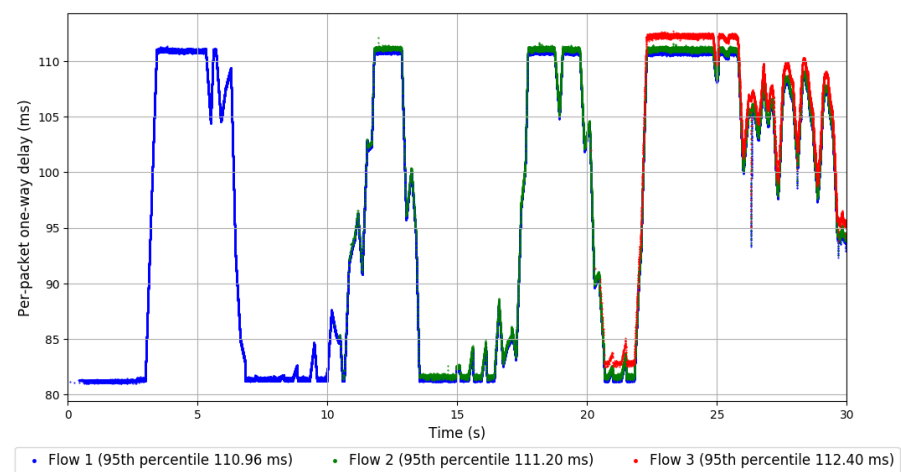
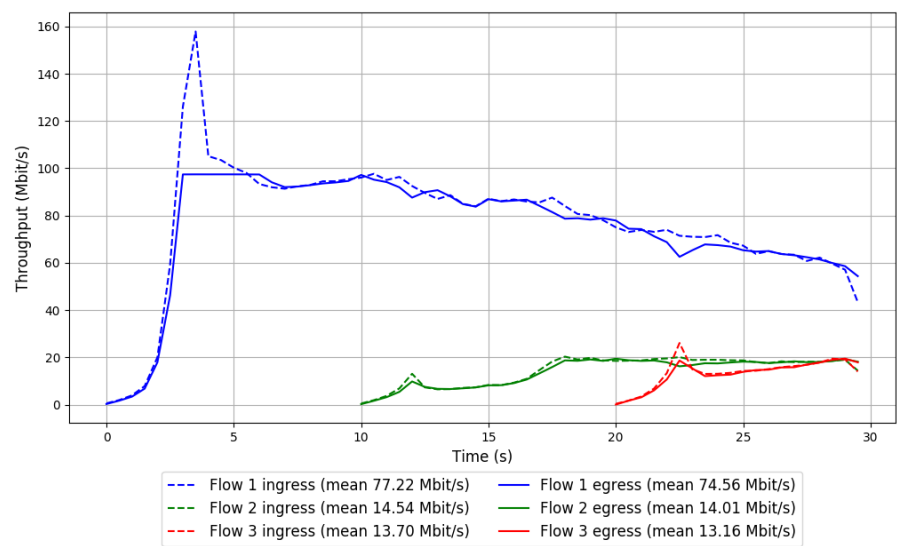
-- Flow 3:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 112.401 ms

Loss rate: 3.97%

Run 5: Report of Vivace-LTE — Data Link

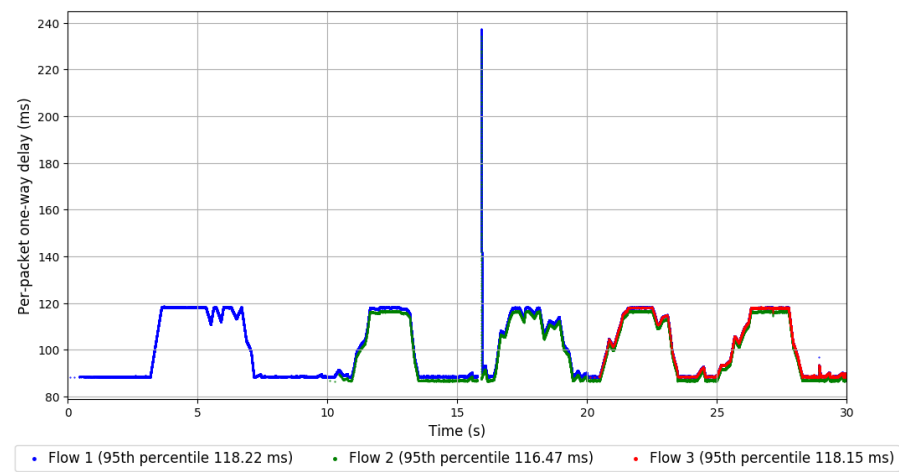
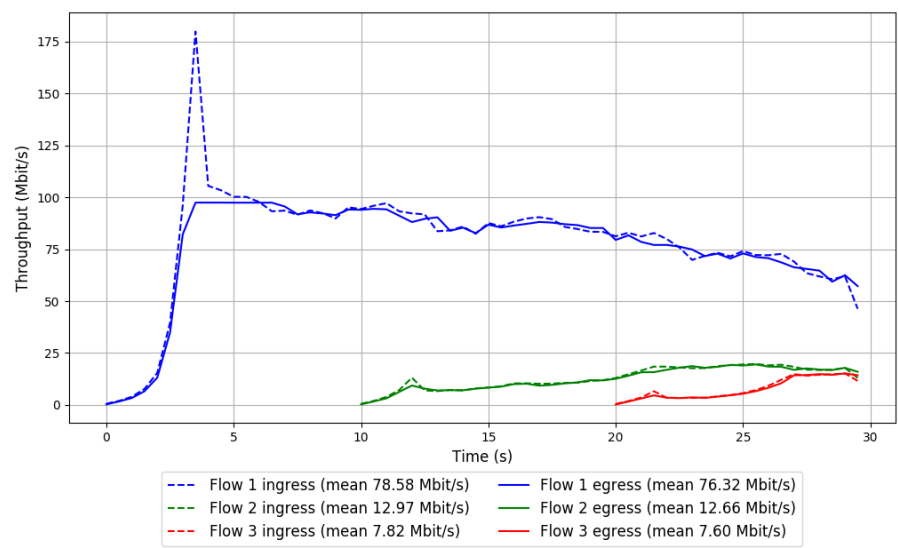


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 16:35:29
End at: 2018-02-16 16:35:59
Local clock offset: -6.815 ms
Remote clock offset: 18.926 ms

Below is generated by plot.py at 2018-02-16 19:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 118.210 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 118.219 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 116.466 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 118.151 ms
Loss rate: 2.77%

Run 6: Report of Vivace-LTE — Data Link

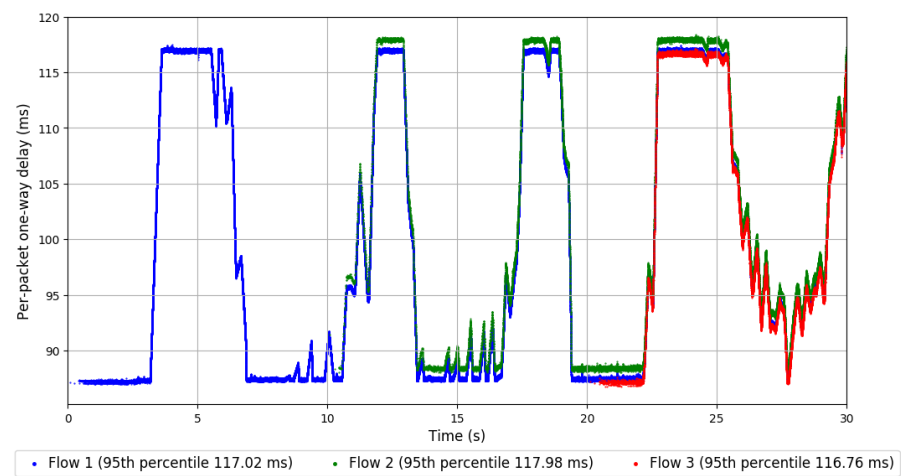
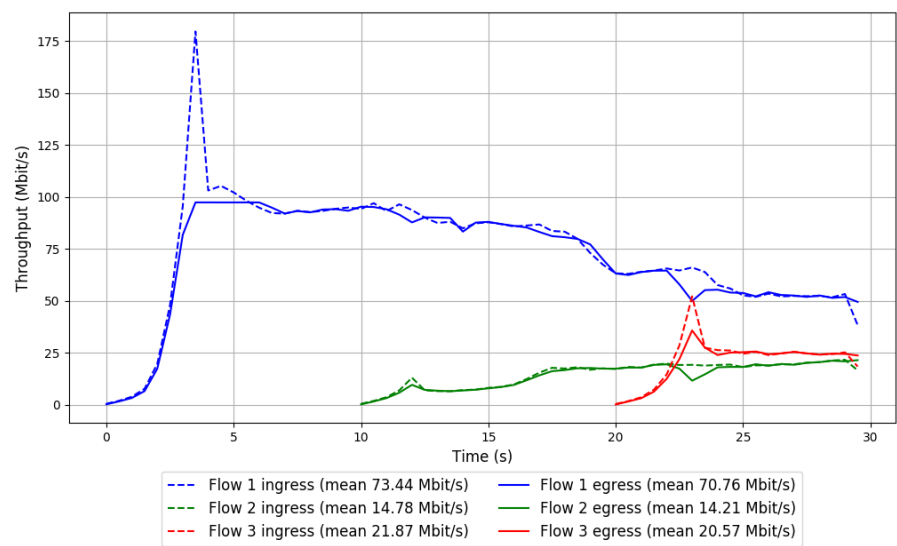


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 16:59:16
End at: 2018-02-16 16:59:46
Local clock offset: -5.687 ms
Remote clock offset: 17.743 ms

Below is generated by plot.py at 2018-02-16 19:19:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 117.056 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 117.023 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 117.984 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 116.763 ms
Loss rate: 5.65%

Run 7: Report of Vivace-LTE — Data Link

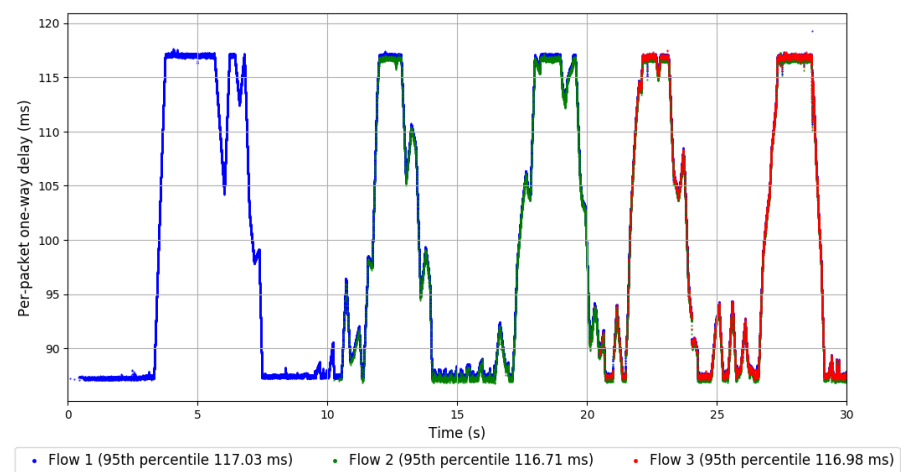
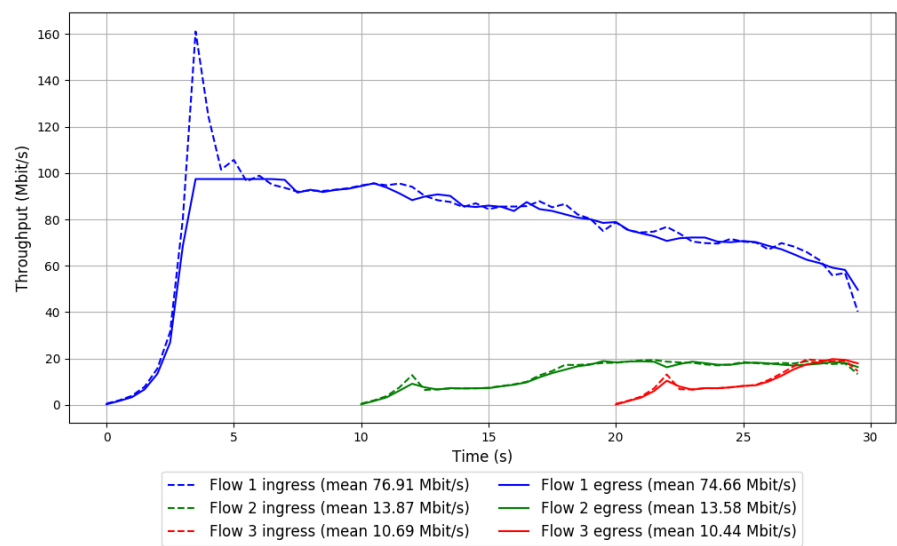


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 17:22:47
End at: 2018-02-16 17:23:17
Local clock offset: -6.278 ms
Remote clock offset: 17.269 ms

Below is generated by plot.py at 2018-02-16 19:19:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 117.022 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 117.032 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 116.714 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 116.985 ms
Loss rate: 2.40%

Run 8: Report of Vivace-LTE — Data Link

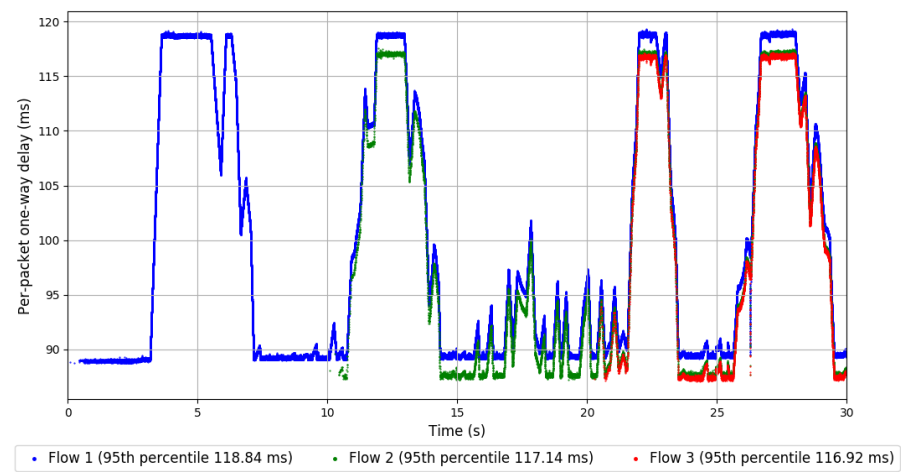
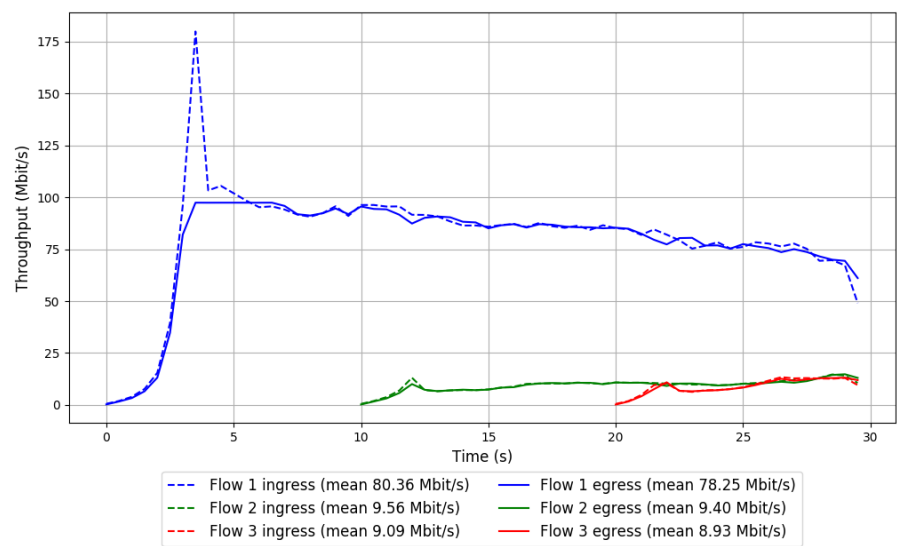


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 17:46:16
End at: 2018-02-16 17:46:46
Local clock offset: -4.681 ms
Remote clock offset: -4.561 ms

Below is generated by plot.py at 2018-02-16 19:19:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 118.826 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 118.837 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 117.143 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 116.922 ms
Loss rate: 1.85%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 18:10:06
End at: 2018-02-16 18:10:36
Local clock offset: -1.772 ms
Remote clock offset: -2.985 ms

Below is generated by plot.py at 2018-02-16 19:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 116.382 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 116.219 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 117.265 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 118.215 ms
Loss rate: 2.22%

Run 10: Report of Vivace-LTE — Data Link

