

Pantheon Report

Generated at 2018-02-20 18:29:19 (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).

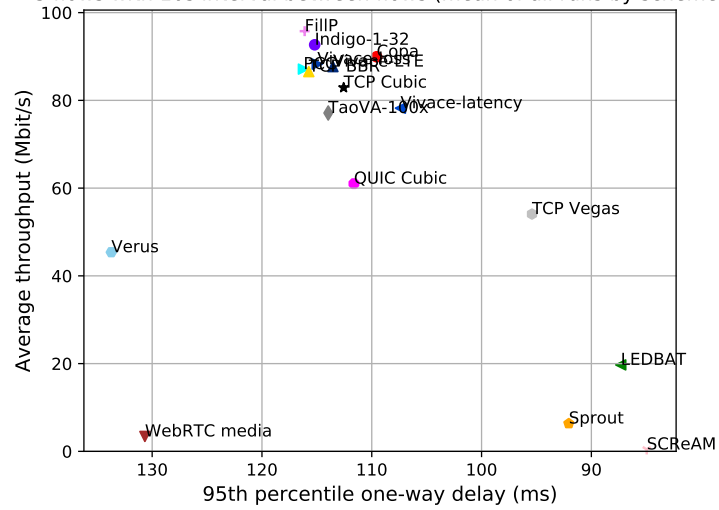
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

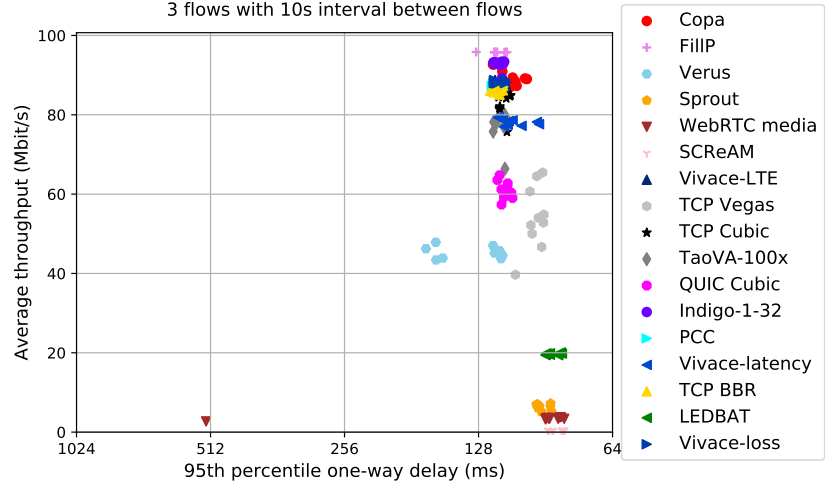
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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



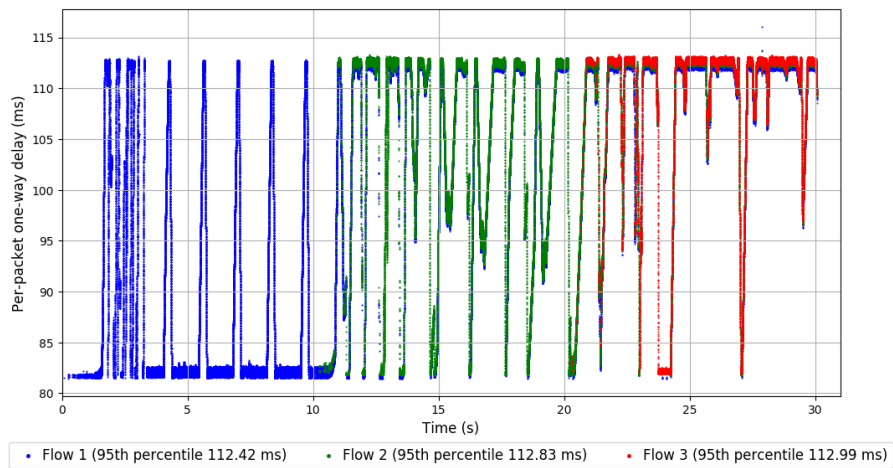
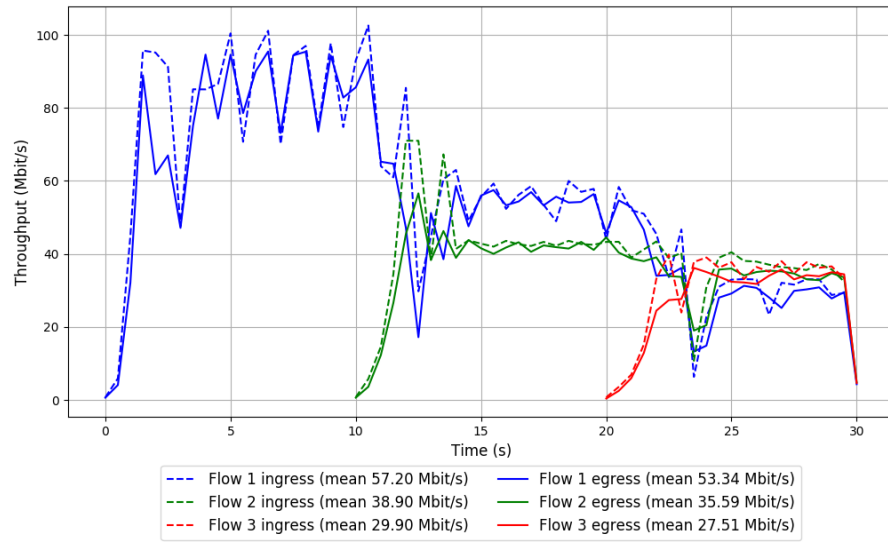
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.81	35.31	24.77	115.68	115.03	115.81	7.02	9.36	12.49
TCP Cubic	10	52.18	35.65	21.01	110.36	113.99	113.99	0.31	0.83	0.85
LEDBAT	10	12.81	8.37	4.06	87.26	87.07	87.57	0.00	0.00	0.02
PCC	10	79.07	8.47	7.35	116.22	115.62	115.88	2.62	4.88	4.69
QUIC Cubic	10	41.63	22.02	14.69	112.02	107.58	108.26	0.74	0.84	2.29
SCReAM	10	0.22	0.22	0.22	84.61	84.78	84.06	0.01	0.00	0.00
WebRTC media	10	1.97	1.15	0.30	127.10	140.20	123.54	0.00	0.01	0.01
Sprout	10	3.48	3.20	2.25	91.83	92.12	91.07	0.00	0.00	0.00
TaoVA-100x	10	48.20	33.42	20.33	113.75	114.25	114.10	4.18	8.14	10.83
TCP Vegas	10	23.44	29.58	33.01	94.90	96.09	94.16	0.73	0.80	1.35
Verus	10	27.71	18.59	17.73	130.28	127.49	120.31	36.74	38.52	28.04
Copa	10	80.05	11.15	9.26	108.90	108.03	105.77	36.18	17.22	0.09
FillP	10	54.48	42.55	39.32	114.10	117.79	127.52	25.34	36.43	48.45
Indigo-1-32	10	62.52	24.52	43.39	114.40	114.82	114.94	16.32	34.85	61.43
Vivace-latency	10	67.52	12.58	7.09	107.14	107.42	105.49	0.18	0.31	0.43
Vivace-loss	10	82.58	6.41	4.35	114.95	115.14	115.08	2.83	3.96	4.17
Vivace-LTE	10	73.88	15.70	10.28	113.43	113.41	113.43	3.06	2.30	2.72

Run 1: Statistics of TCP BBR

Start at: 2018-02-20 13:50:59
End at: 2018-02-20 13:51:29
Local clock offset: -12.131 ms
Remote clock offset: -3.526 ms

Below is generated by plot.py at 2018-02-20 18:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 112.784 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 112.831 ms
Loss rate: 8.38%
-- Flow 3:
Average throughput: 27.51 Mbit/s
95th percentile per-packet one-way delay: 112.992 ms
Loss rate: 8.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-20 14:14:48

End at: 2018-02-20 14:15:18

Local clock offset: -15.73 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-02-20 18:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 117.064 ms

Loss rate: 8.19%

-- Flow 1:

Average throughput: 56.02 Mbit/s

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

Loss rate: 6.29%

-- Flow 2:

Average throughput: 35.78 Mbit/s

95th percentile per-packet one-way delay: 117.058 ms

Loss rate: 8.99%

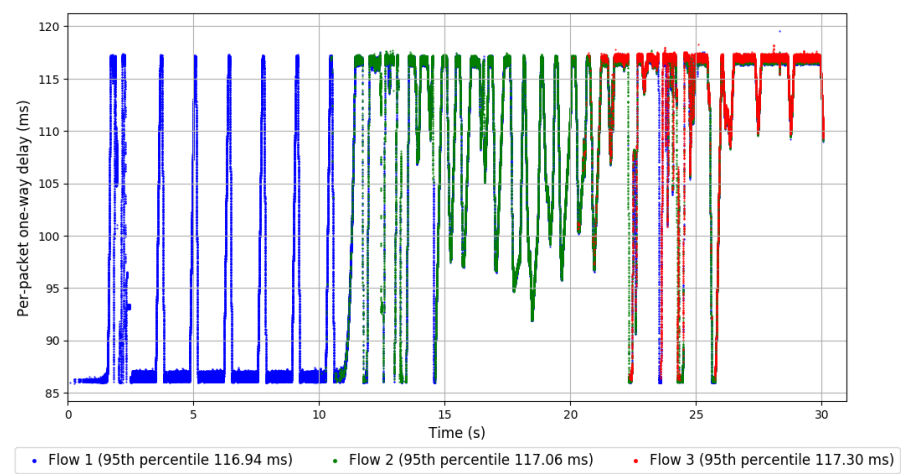
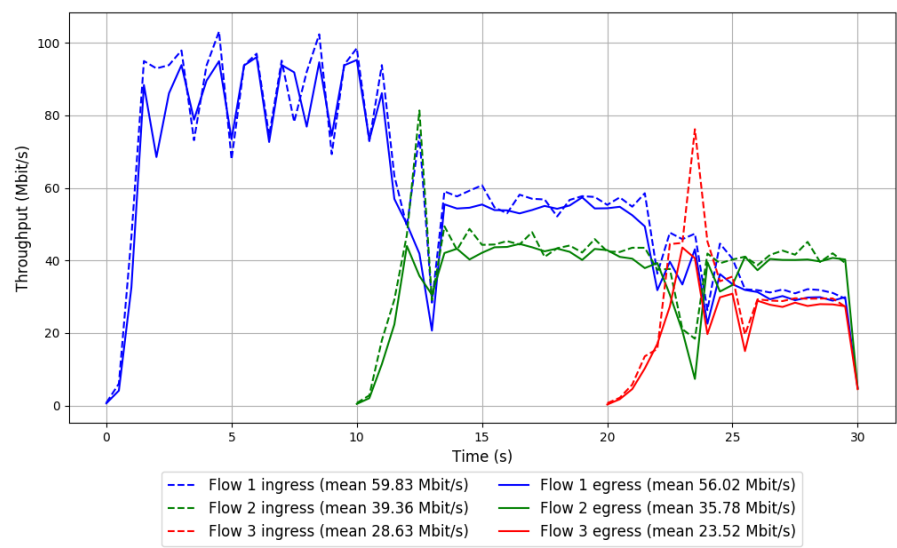
-- Flow 3:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 117.297 ms

Loss rate: 17.92%

Run 2: Report of TCP BBR — Data Link

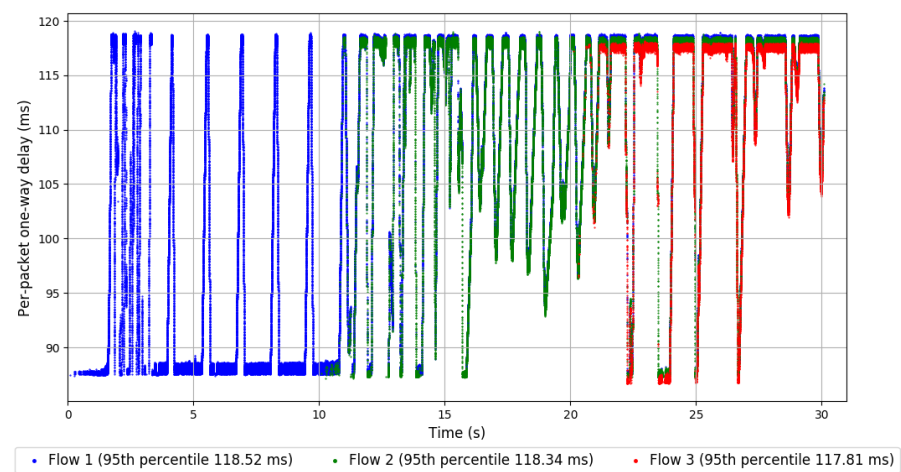
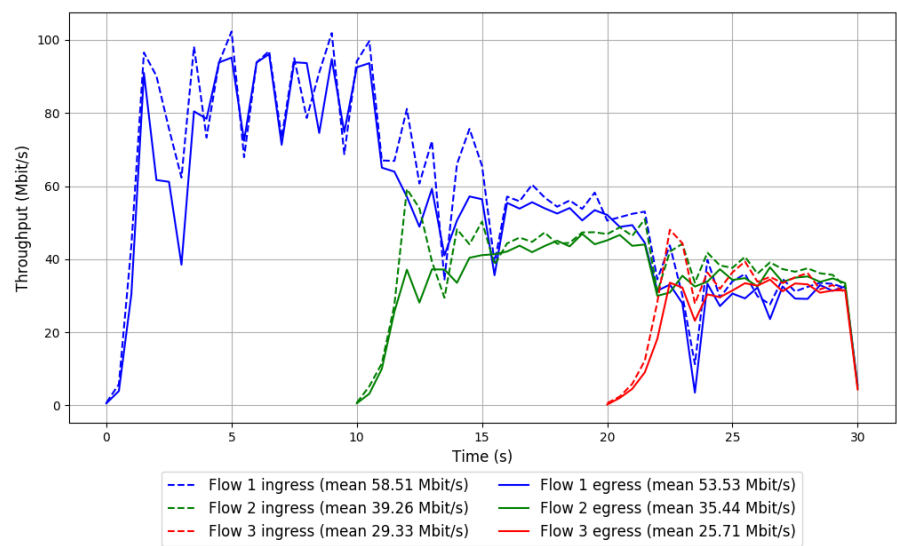


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 14:38:21
End at: 2018-02-20 14:38:51
Local clock offset: -14.762 ms
Remote clock offset: 1.174 ms

Below is generated by plot.py at 2018-02-20 18:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 118.453 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 118.516 ms
Loss rate: 8.42%
-- Flow 2:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 118.339 ms
Loss rate: 9.62%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 117.806 ms
Loss rate: 12.38%

Run 3: Report of TCP BBR — Data Link

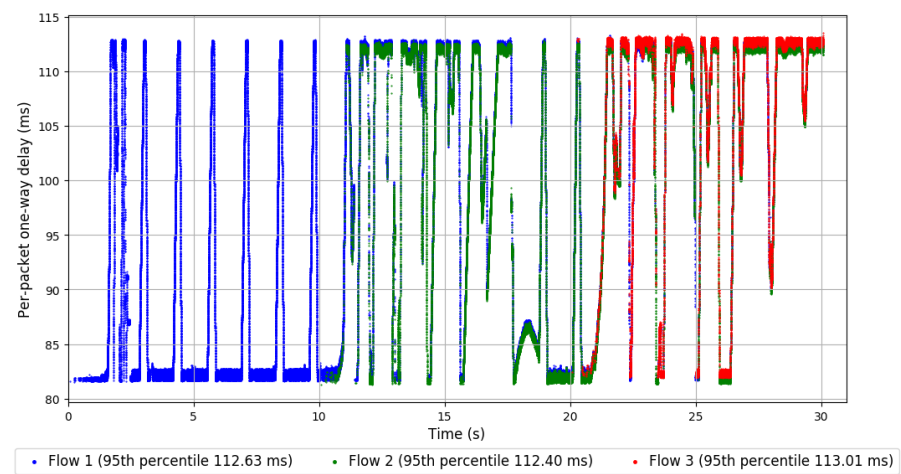
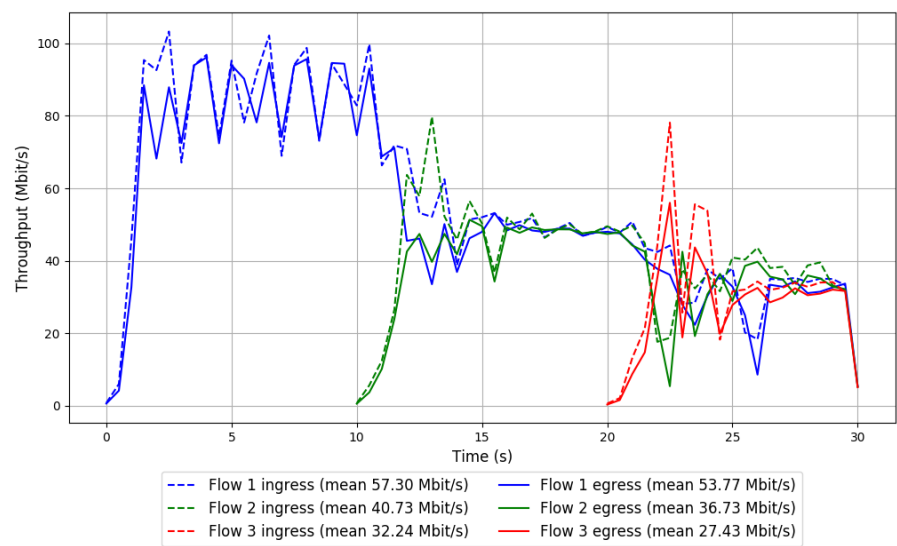


Run 4: Statistics of TCP BBR

Start at: 2018-02-20 15:01:50
End at: 2018-02-20 15:02:20
Local clock offset: -13.515 ms
Remote clock offset: -4.327 ms

Below is generated by plot.py at 2018-02-20 18:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 112.403 ms
Loss rate: 9.69%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 113.010 ms
Loss rate: 14.65%

Run 4: Report of TCP BBR — Data Link

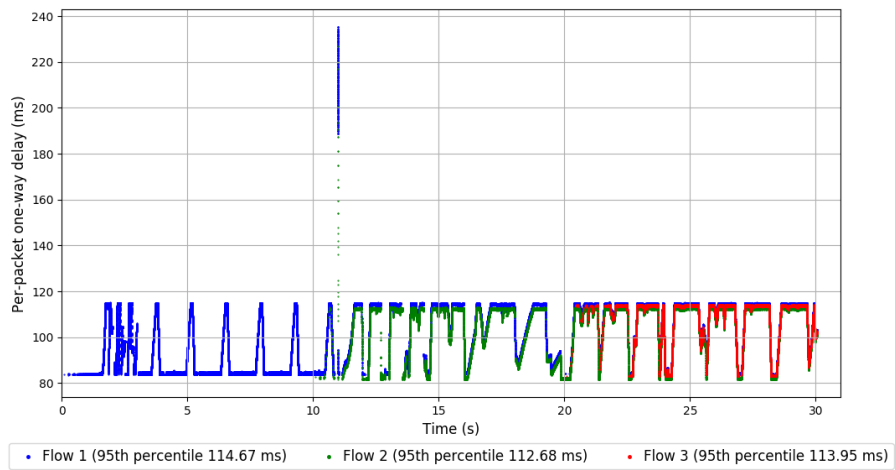
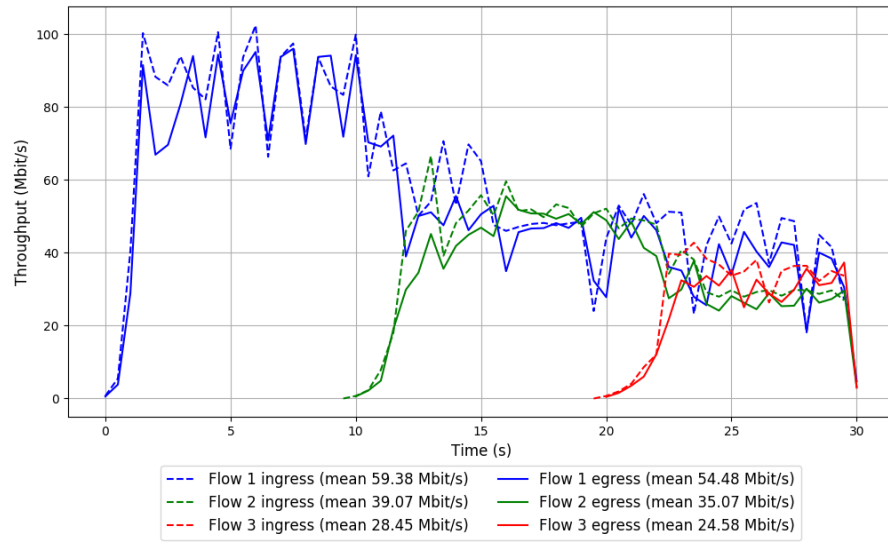


Run 5: Statistics of TCP BBR

Start at: 2018-02-20 15:25:37
End at: 2018-02-20 15:26:07
Local clock offset: -12.028 ms
Remote clock offset: -4.631 ms

Below is generated by plot.py at 2018-02-20 18:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 114.612 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 114.673 ms
Loss rate: 8.21%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 10.17%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 113.951 ms
Loss rate: 13.44%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-20 15:49:07

End at: 2018-02-20 15:49:37

Local clock offset: -3.671 ms

Remote clock offset: -4.11 ms

Below is generated by plot.py at 2018-02-20 18:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 114.766 ms

Loss rate: 8.85%

-- Flow 1:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 114.678 ms

Loss rate: 7.97%

-- Flow 2:

Average throughput: 36.25 Mbit/s

95th percentile per-packet one-way delay: 113.580 ms

Loss rate: 9.18%

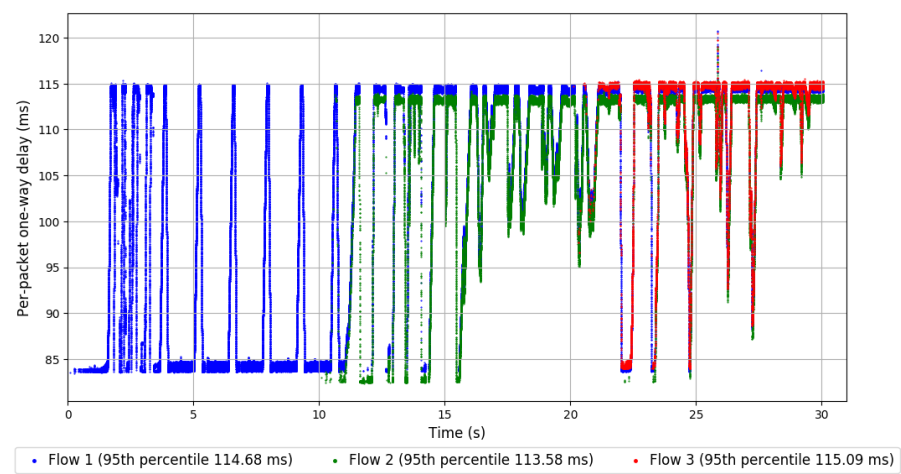
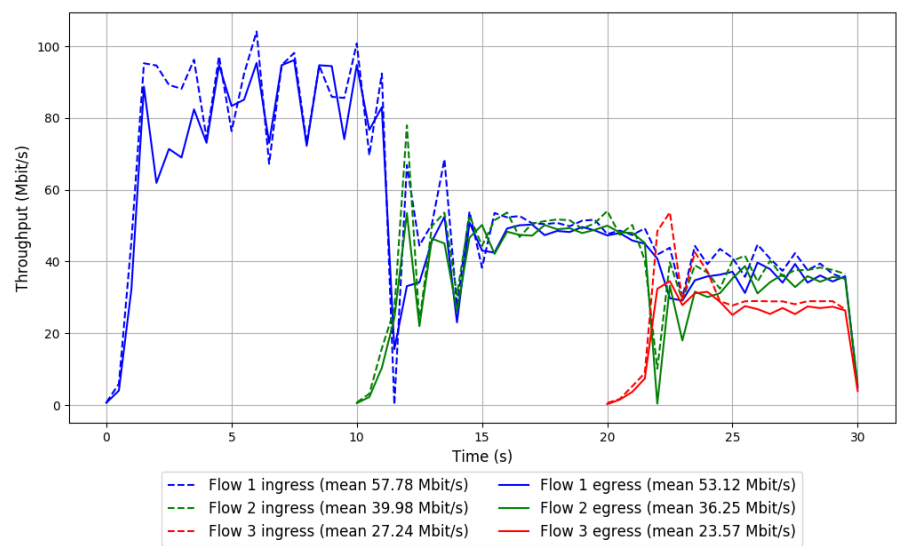
-- Flow 3:

Average throughput: 23.57 Mbit/s

95th percentile per-packet one-way delay: 115.094 ms

Loss rate: 13.48%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-20 16:12:59

End at: 2018-02-20 16:13:29

Local clock offset: -3.817 ms

Remote clock offset: 1.167 ms

Below is generated by plot.py at 2018-02-20 18:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 117.702 ms

Loss rate: 6.85%

-- Flow 1:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 117.625 ms

Loss rate: 5.85%

-- Flow 2:

Average throughput: 37.45 Mbit/s

95th percentile per-packet one-way delay: 117.427 ms

Loss rate: 9.50%

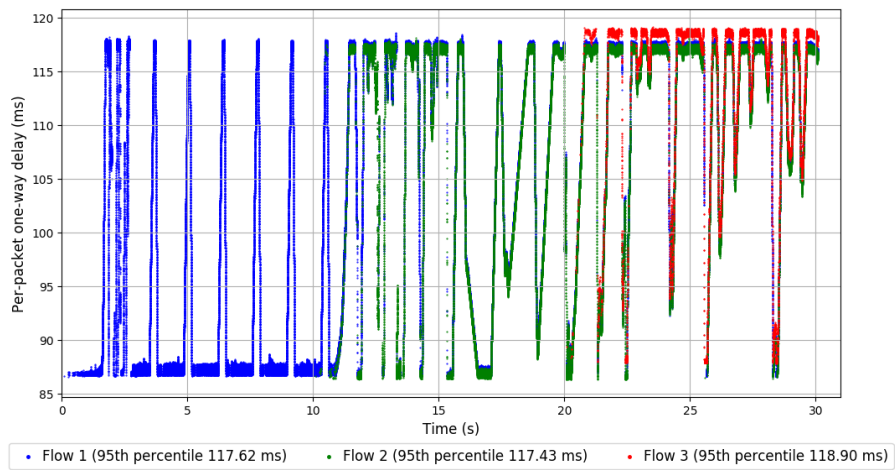
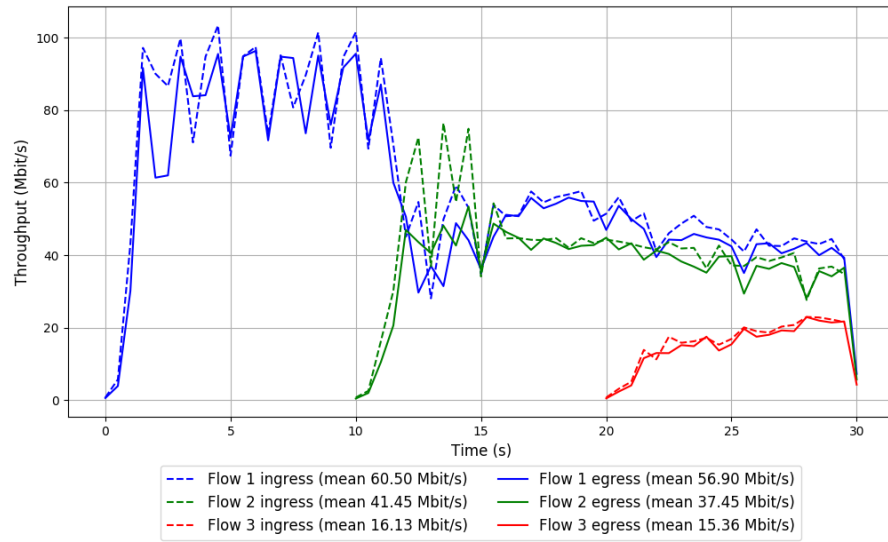
-- Flow 3:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 118.899 ms

Loss rate: 4.49%

Run 7: Report of TCP BBR — Data Link

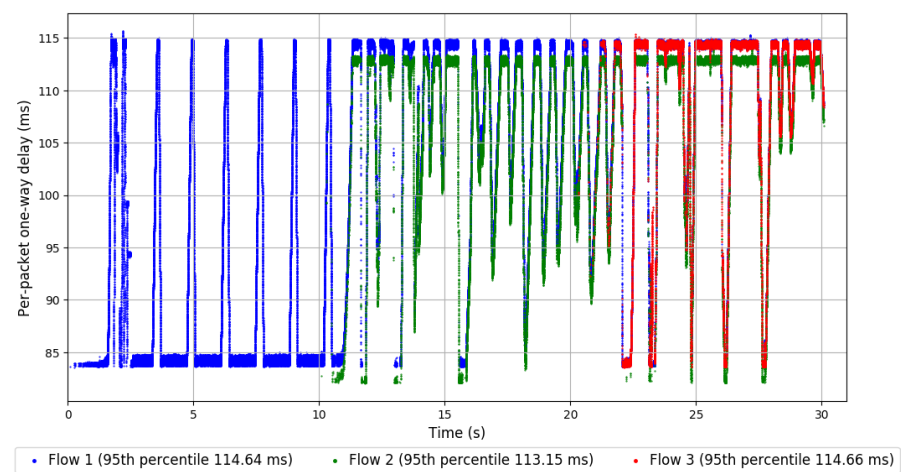
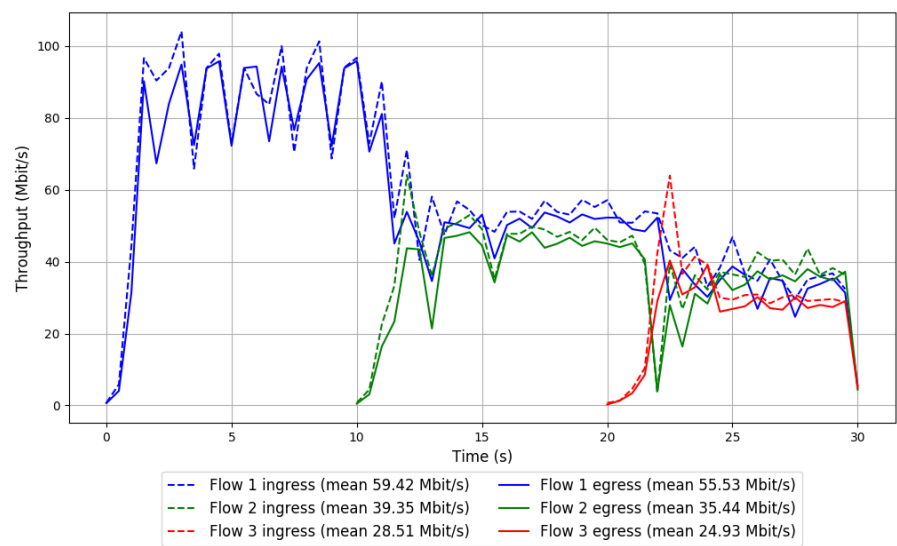


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 16:36:32
End at: 2018-02-20 16:37:02
Local clock offset: -4.859 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-02-20 18:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 114.602 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 114.639 ms
Loss rate: 6.48%
-- Flow 2:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 113.153 ms
Loss rate: 9.82%
-- Flow 3:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 114.658 ms
Loss rate: 12.54%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-20 17:00:18

End at: 2018-02-20 17:00:48

Local clock offset: -1.196 ms

Remote clock offset: 4.368 ms

Below is generated by plot.py at 2018-02-20 18:05:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 120.541 ms

Loss rate: 9.80%

-- Flow 1:

Average throughput: 52.50 Mbit/s

95th percentile per-packet one-way delay: 120.606 ms

Loss rate: 8.32%

-- Flow 2:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 118.667 ms

Loss rate: 10.51%

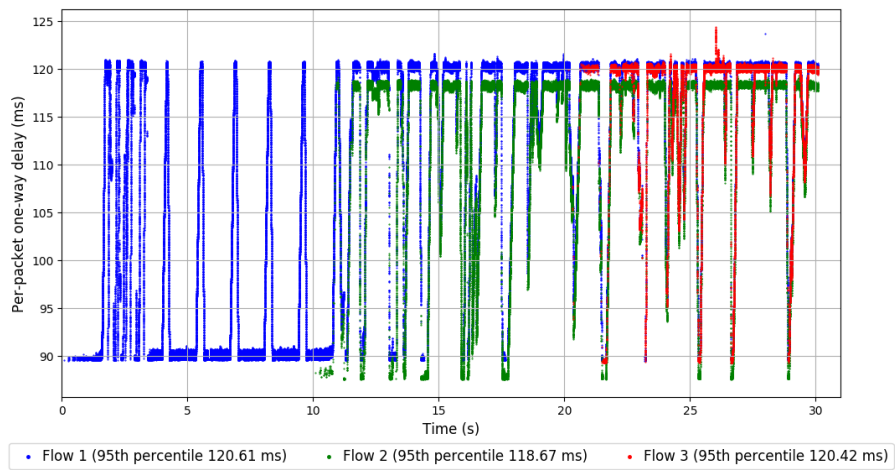
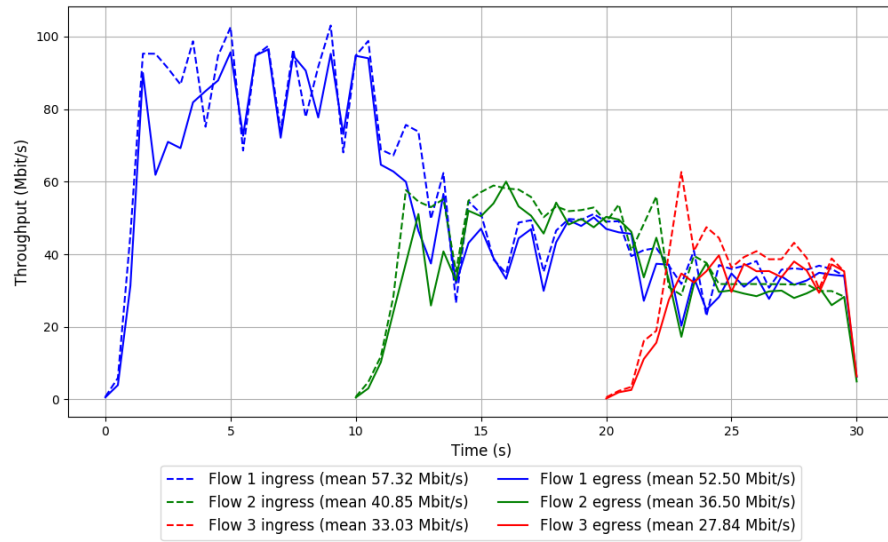
-- Flow 3:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 120.425 ms

Loss rate: 15.72%

Run 9: Report of TCP BBR — Data Link

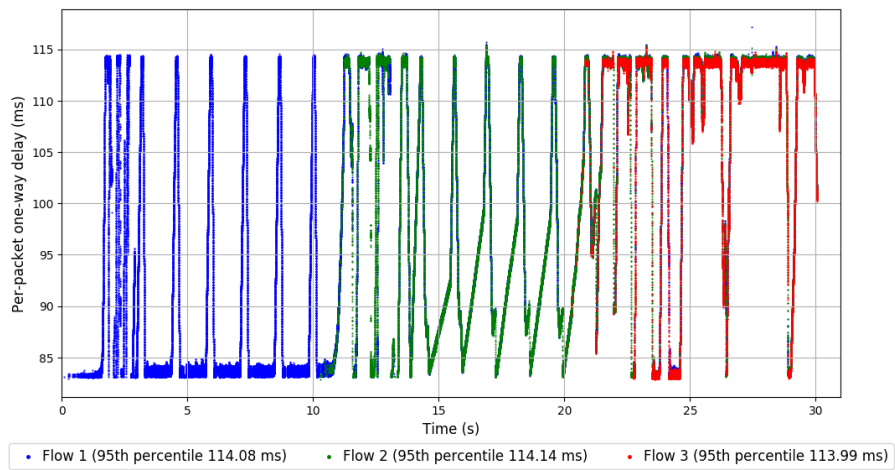
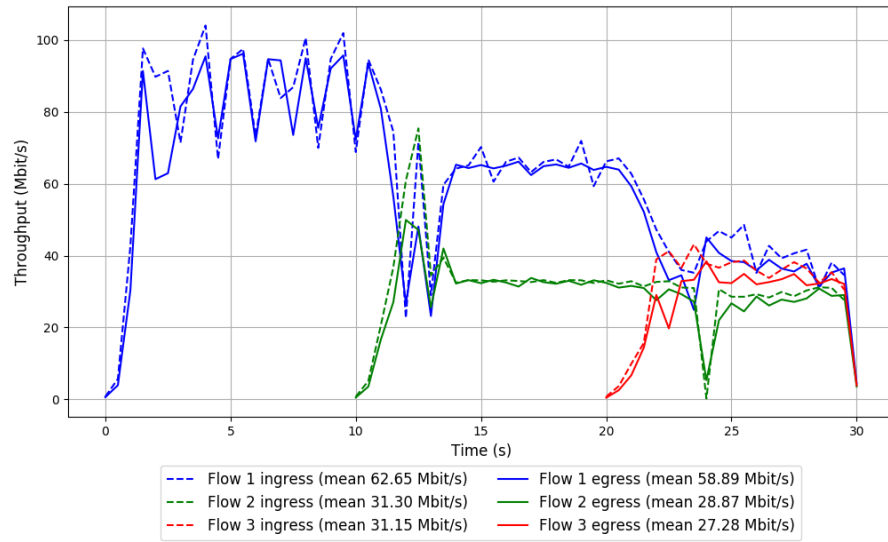


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 17:23:52
End at: 2018-02-20 17:24:22
Local clock offset: 1.932 ms
Remote clock offset: -1.282 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 114.090 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 114.083 ms
Loss rate: 5.96%
-- Flow 2:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 114.140 ms
Loss rate: 7.74%
-- Flow 3:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 113.990 ms
Loss rate: 12.29%

Run 10: Report of TCP BBR — Data Link

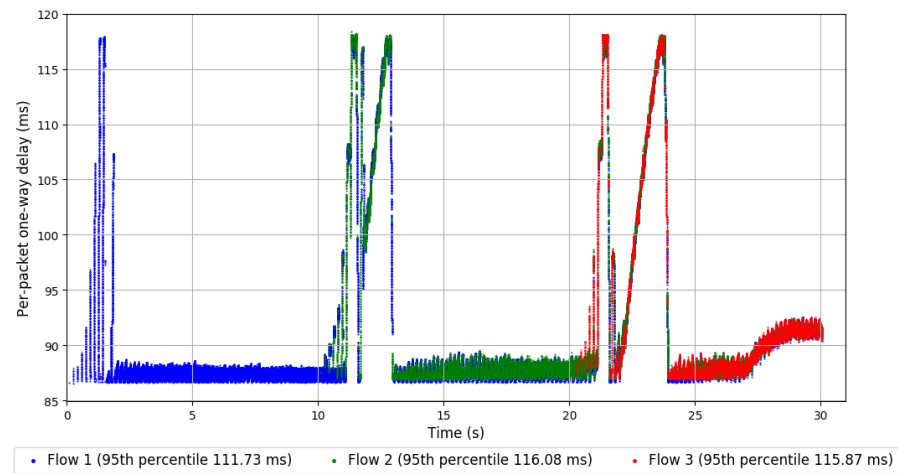
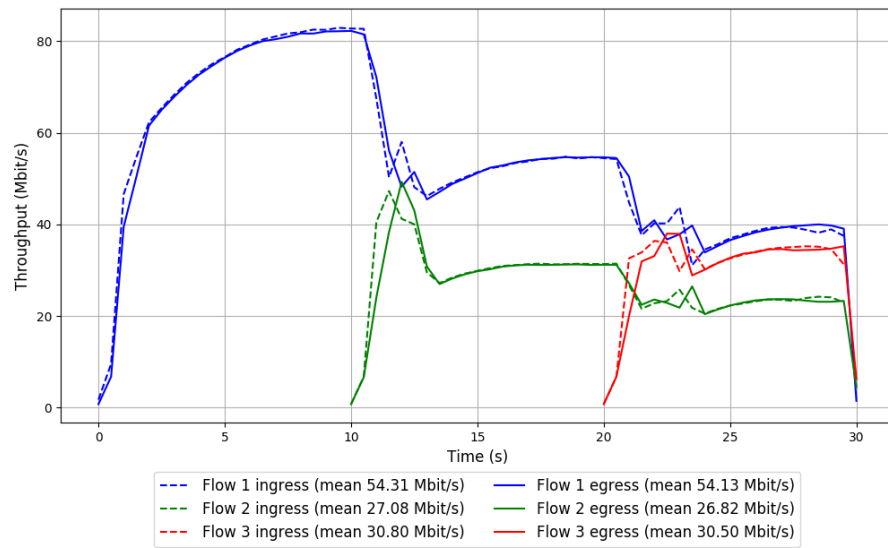


Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 13:44:30
End at: 2018-02-20 13:45:00
Local clock offset: -11.123 ms
Remote clock offset: 1.481 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 114.619 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 116.084 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 115.873 ms
Loss rate: 0.95%

Run 1: Report of TCP Cubic — Data Link

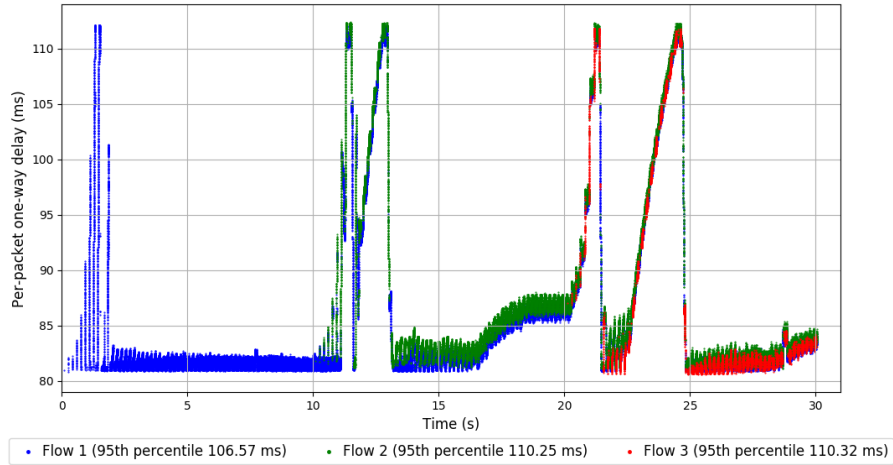
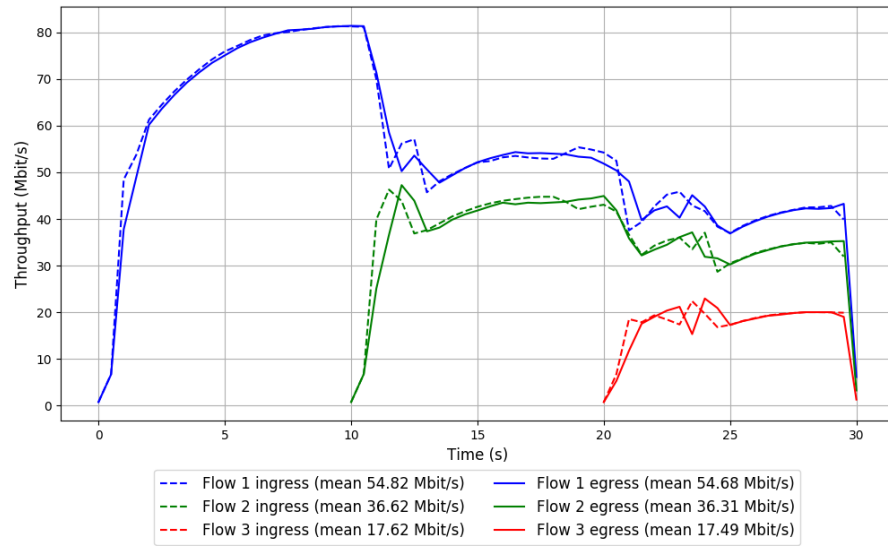


Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 14:08:19
End at: 2018-02-20 14:08:49
Local clock offset: -15.174 ms
Remote clock offset: -4.544 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 108.831 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 106.568 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 110.247 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 110.318 ms
Loss rate: 0.78%

Run 2: Report of TCP Cubic — Data Link

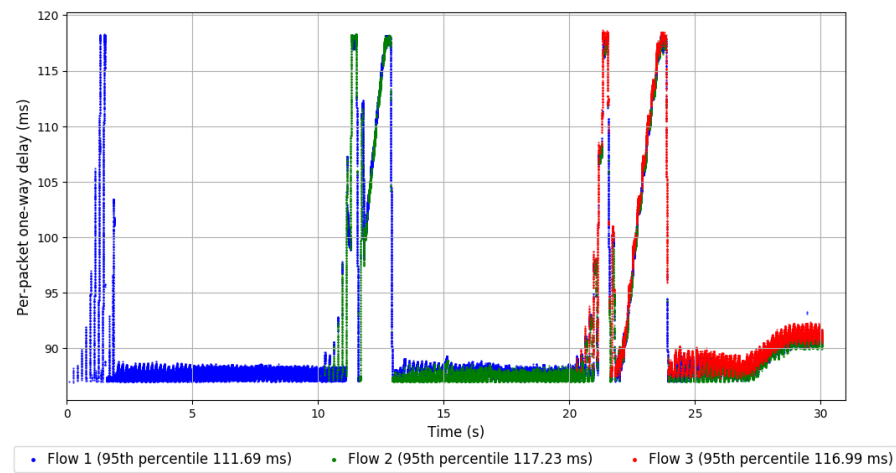
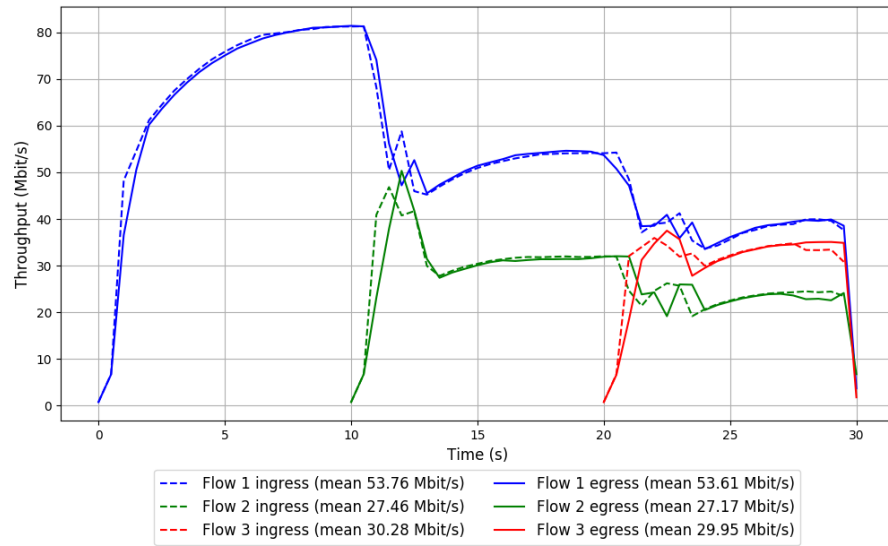


Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 14:31:51
End at: 2018-02-20 14:32:21
Local clock offset: -14.997 ms
Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.65 Mbit/s
95th percentile per-packet one-way delay: 114.864 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 111.685 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 117.228 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 116.989 ms
Loss rate: 1.06%

Run 3: Report of TCP Cubic — Data Link

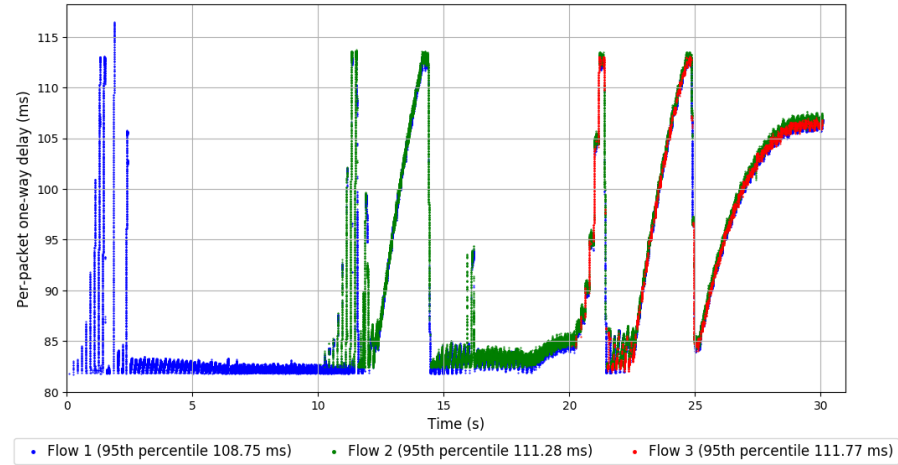
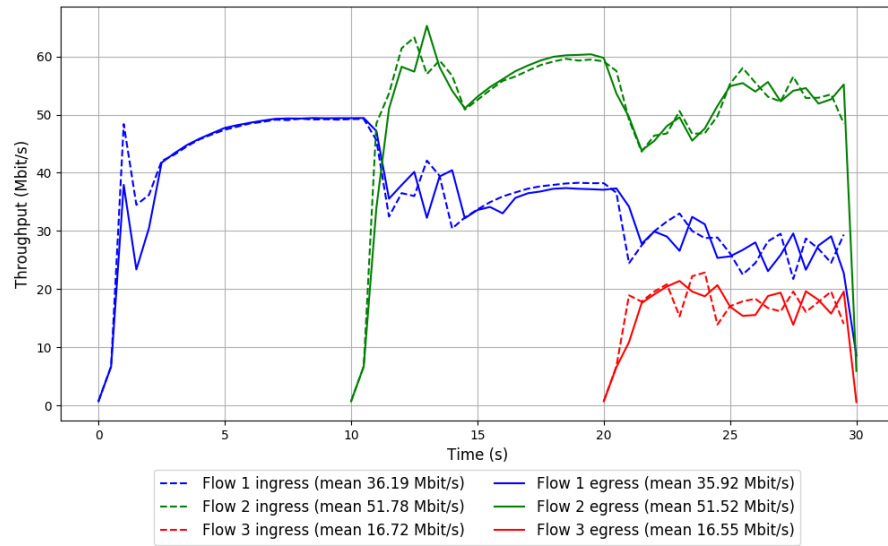


Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 14:55:21
End at: 2018-02-20 14:55:51
Local clock offset: -14.827 ms
Remote clock offset: -3.494 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.71 Mbit/s
95th percentile per-packet one-way delay: 110.511 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 108.751 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 111.285 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 111.770 ms
Loss rate: 0.81%

Run 4: Report of TCP Cubic — Data Link

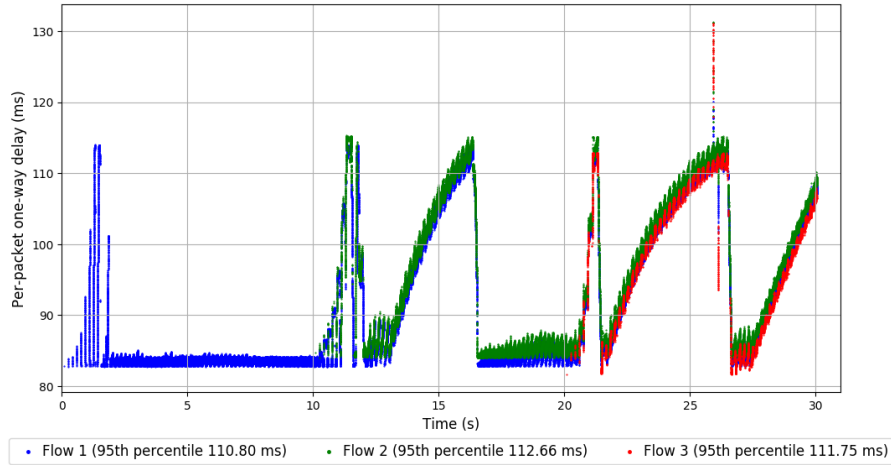
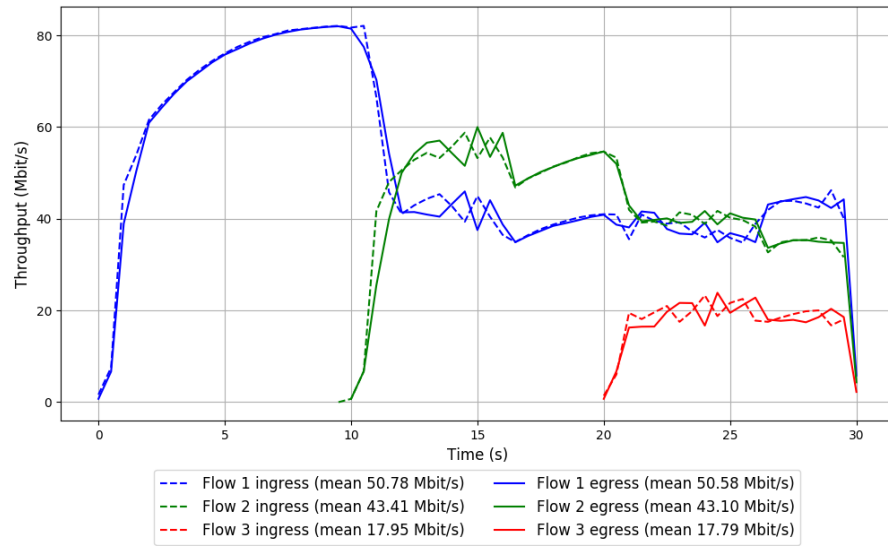


Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 15:19:08
End at: 2018-02-20 15:19:38
Local clock offset: -12.22 ms
Remote clock offset: -3.615 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 111.797 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 50.58 Mbit/s
95th percentile per-packet one-way delay: 110.796 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 111.752 ms
Loss rate: 0.66%

Run 5: Report of TCP Cubic — Data Link

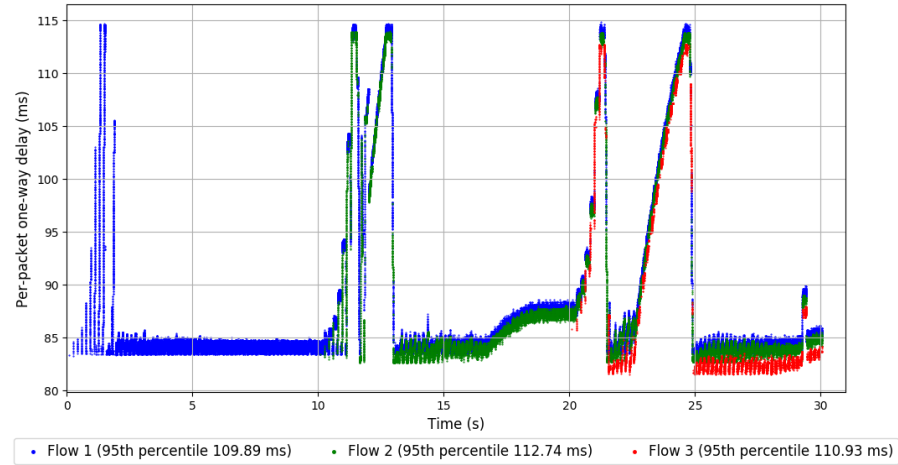
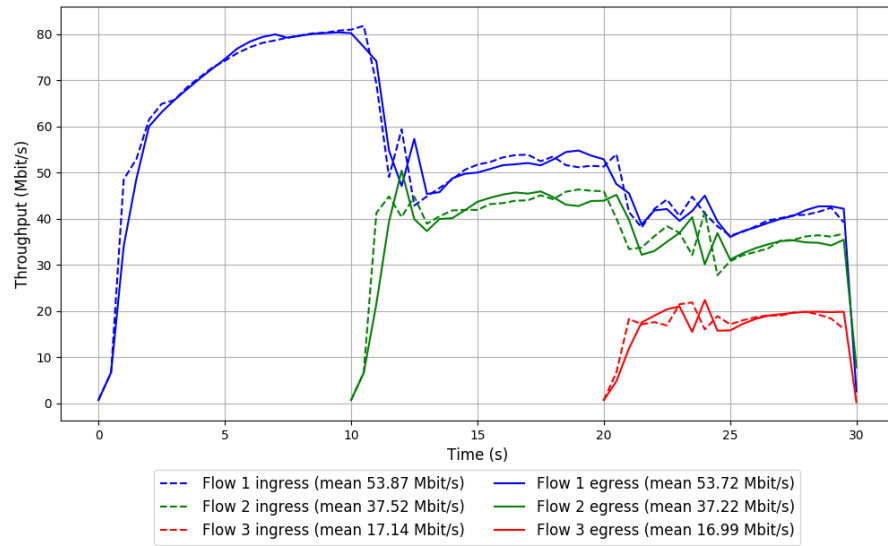


Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 15:42:36
End at: 2018-02-20 15:43:06
Local clock offset: -5.325 ms
Remote clock offset: -4.885 ms

Below is generated by plot.py at 2018-02-20 18:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 110.926 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: 109.894 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 112.737 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 0.87%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 16:06:29

End at: 2018-02-20 16:06:59

Local clock offset: -2.076 ms

Remote clock offset: 1.866 ms

Below is generated by plot.py at 2018-02-20 18:06:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 115.308 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 112.743 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 36.25 Mbit/s

95th percentile per-packet one-way delay: 116.385 ms

Loss rate: 0.80%

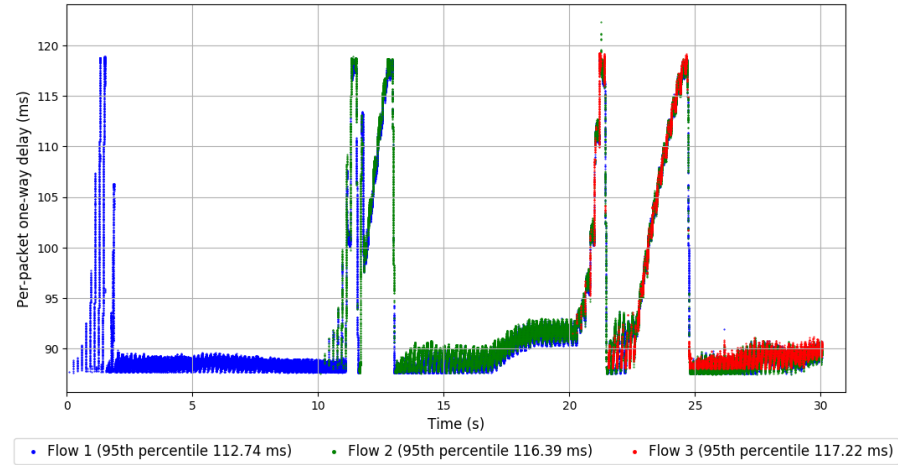
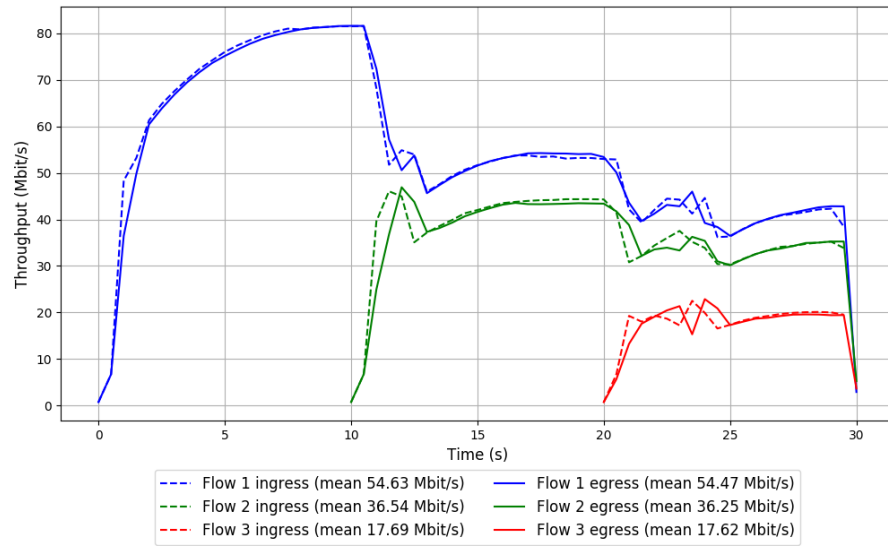
-- Flow 3:

Average throughput: 17.62 Mbit/s

95th percentile per-packet one-way delay: 117.218 ms

Loss rate: 0.44%

Run 7: Report of TCP Cubic — Data Link

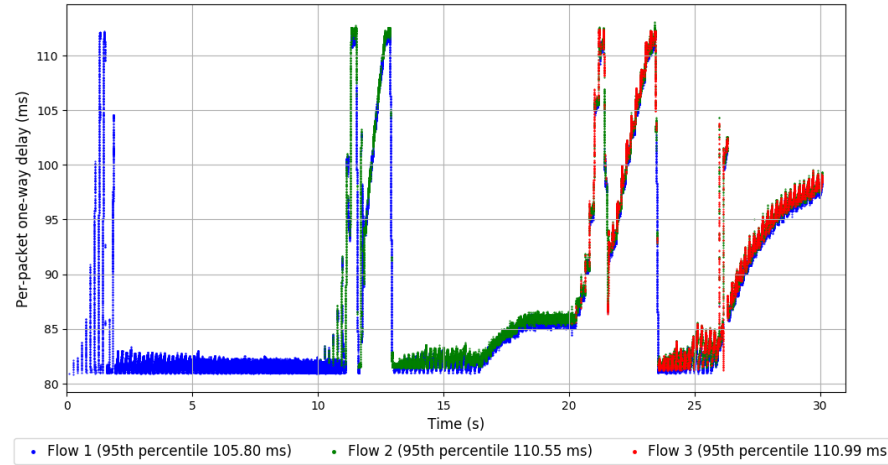
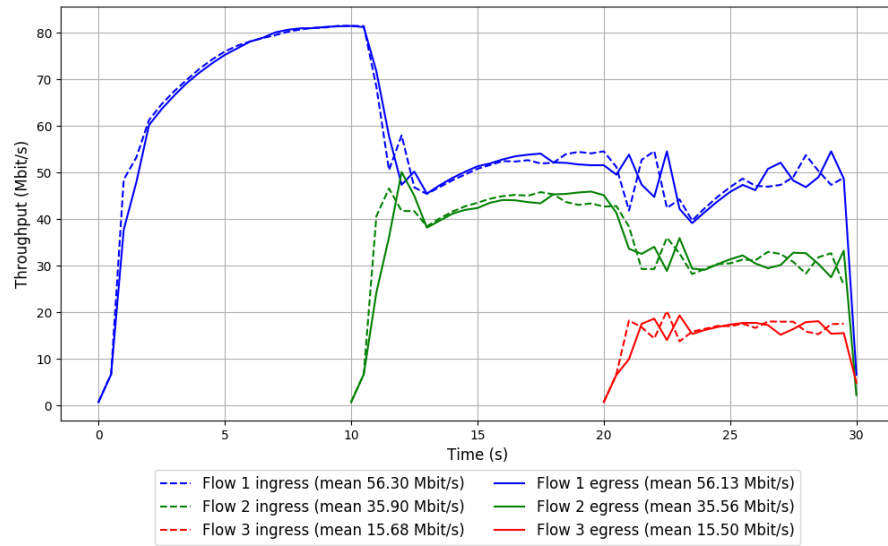


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 16:30:01
End at: 2018-02-20 16:30:31
Local clock offset: -4.872 ms
Remote clock offset: -3.591 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 108.454 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 105.799 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: 110.548 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.98%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 16:53:49

End at: 2018-02-20 16:54:19

Local clock offset: -1.805 ms

Remote clock offset: 3.259 ms

Below is generated by plot.py at 2018-02-20 18:06:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 115.744 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 59.08 Mbit/s

95th percentile per-packet one-way delay: 115.748 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 116.517 ms

Loss rate: 1.18%

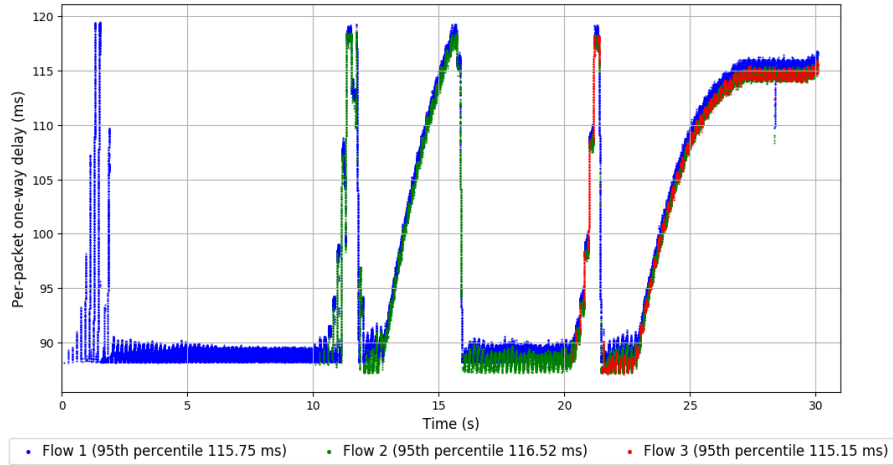
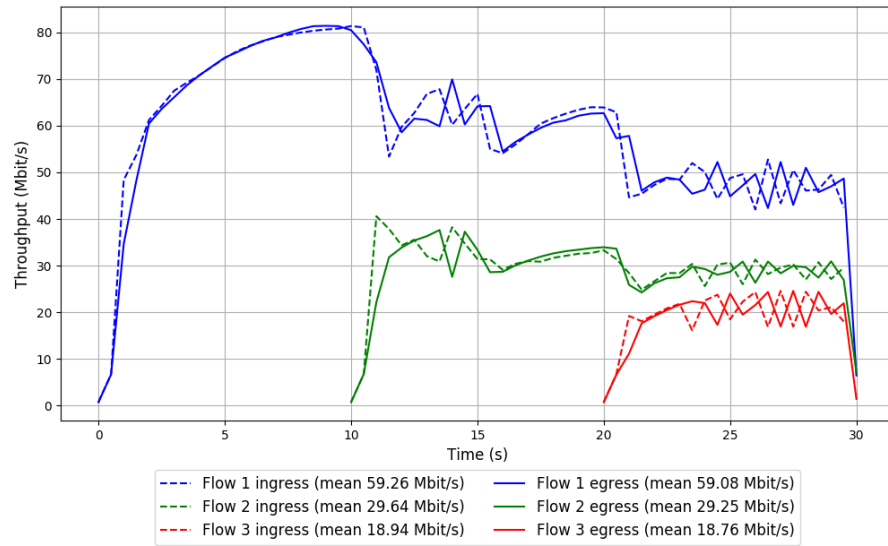
-- Flow 3:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 115.150 ms

Loss rate: 0.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 17:17:22

End at: 2018-02-20 17:17:52

Local clock offset: 0.747 ms

Remote clock offset: 5.028 ms

Below is generated by plot.py at 2018-02-20 18:06:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 114.560 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 49.52 Mbit/s

95th percentile per-packet one-way delay: 109.919 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 33.34 Mbit/s

95th percentile per-packet one-way delay: 116.256 ms

Loss rate: 0.87%

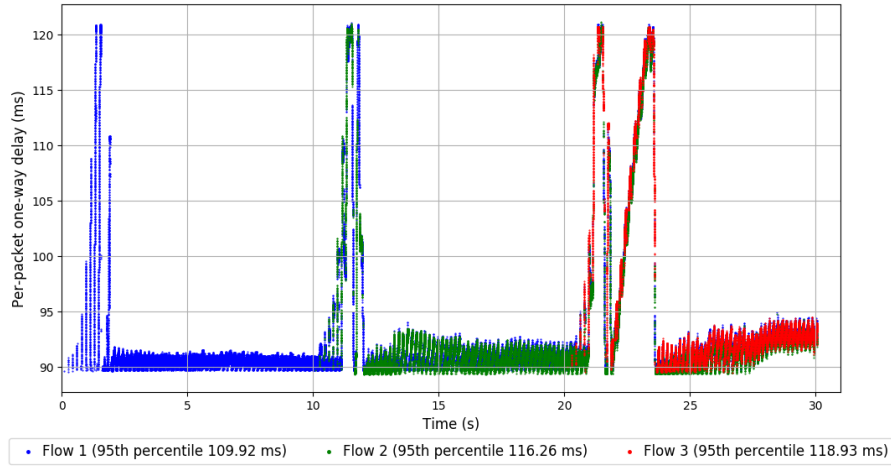
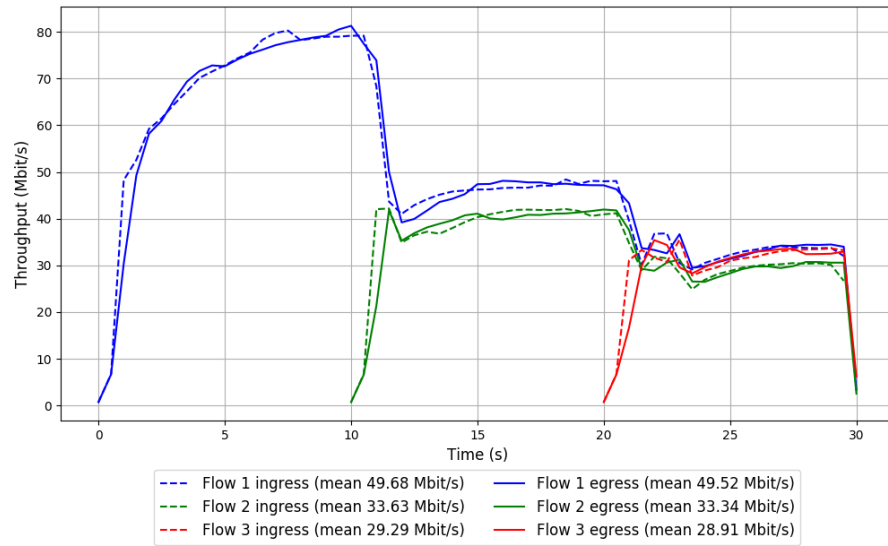
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 118.928 ms

Loss rate: 1.28%

Run 10: Report of TCP Cubic — Data Link

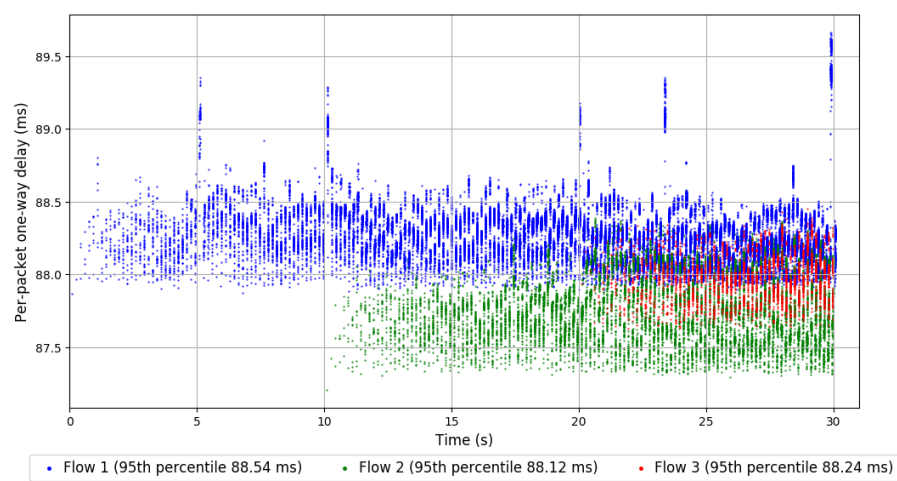
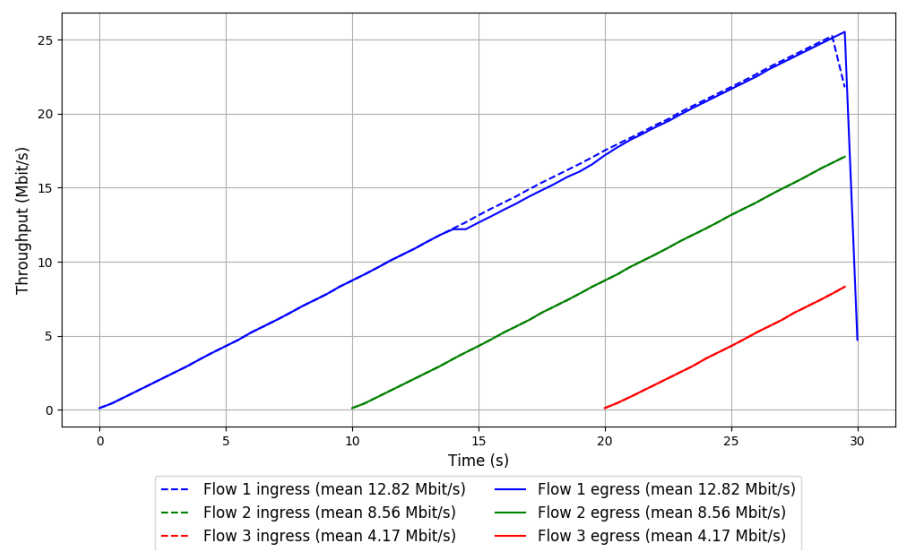


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 13:47:02
End at: 2018-02-20 13:47:32
Local clock offset: -11.09 ms
Remote clock offset: 2.287 ms

# Below is generated by plot.py at 2018-02-20 18:06:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 88.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 88.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 88.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 88.243 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

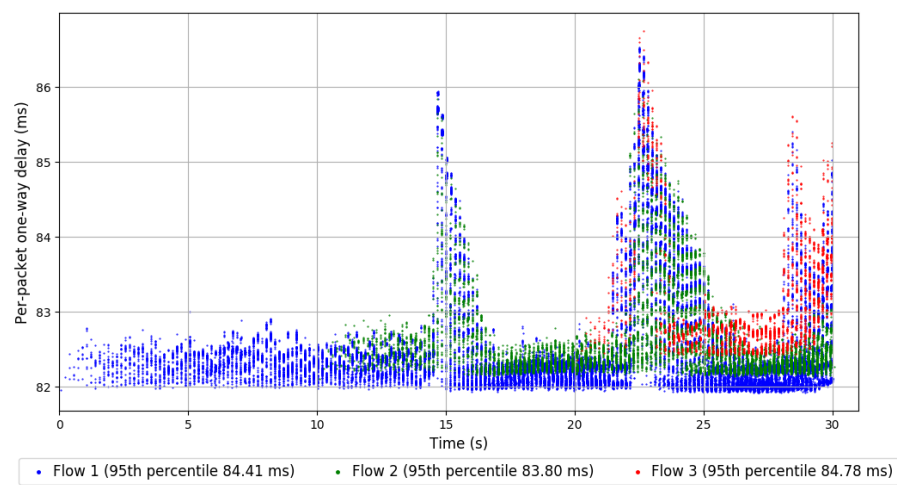
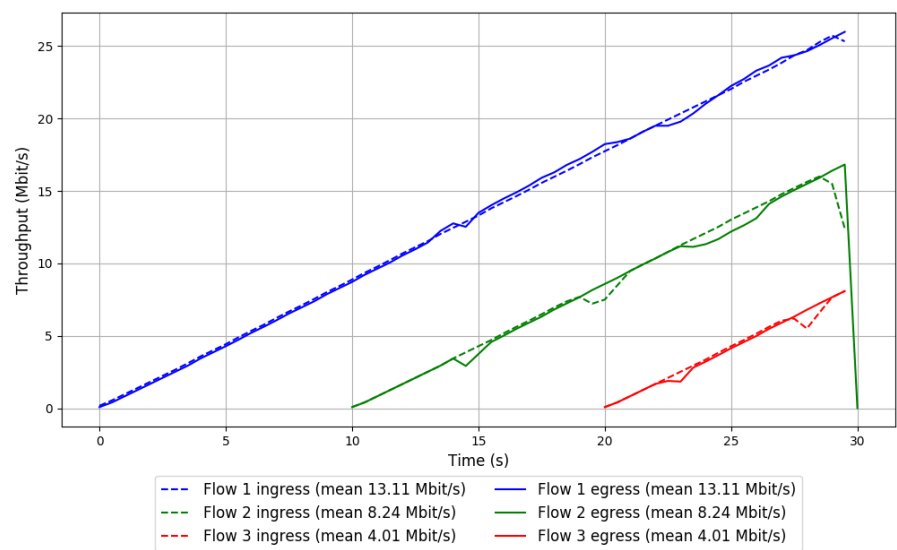


Run 2: Statistics of LEDBAT

Start at: 2018-02-20 14:10:51
End at: 2018-02-20 14:11:21
Local clock offset: -15.418 ms
Remote clock offset: -3.728 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 84.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 83.800 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 84.782 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

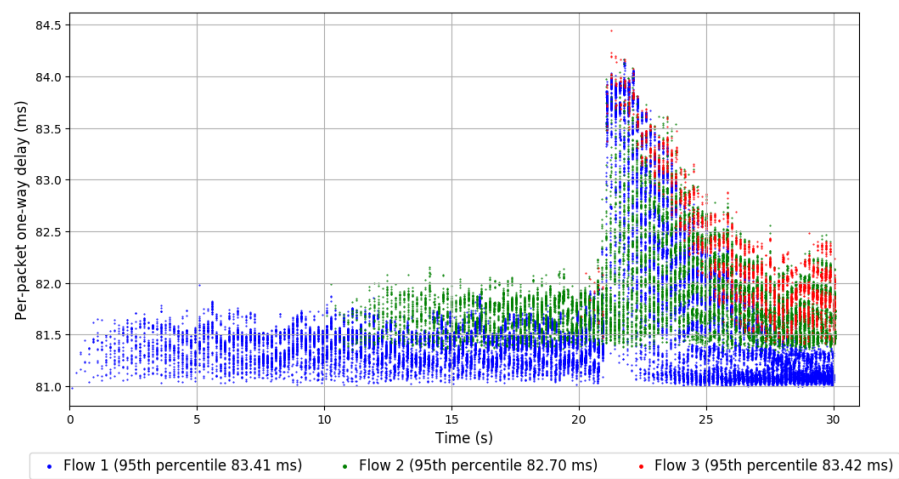
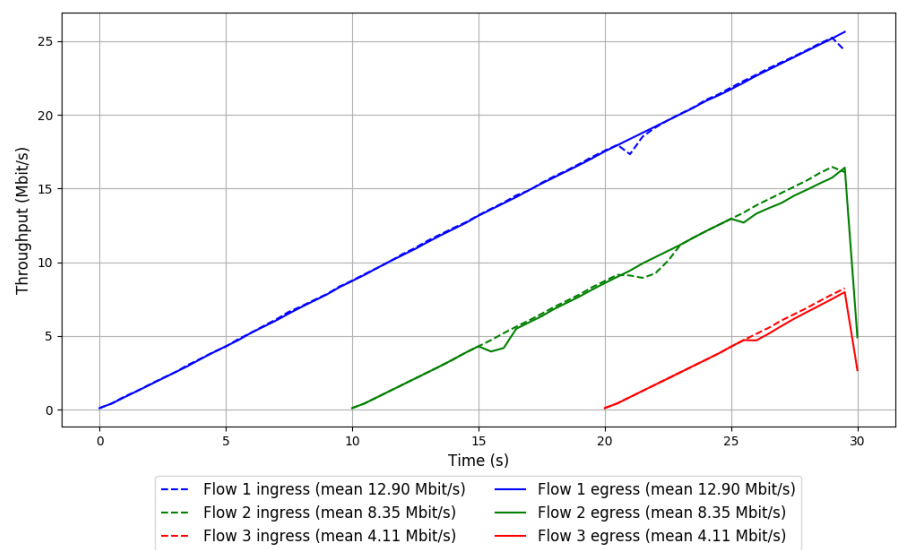


Run 3: Statistics of LEDBAT

Start at: 2018-02-20 14:34:23
End at: 2018-02-20 14:34:53
Local clock offset: -14.814 ms
Remote clock offset: -4.431 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 83.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 83.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 82.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 83.416 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

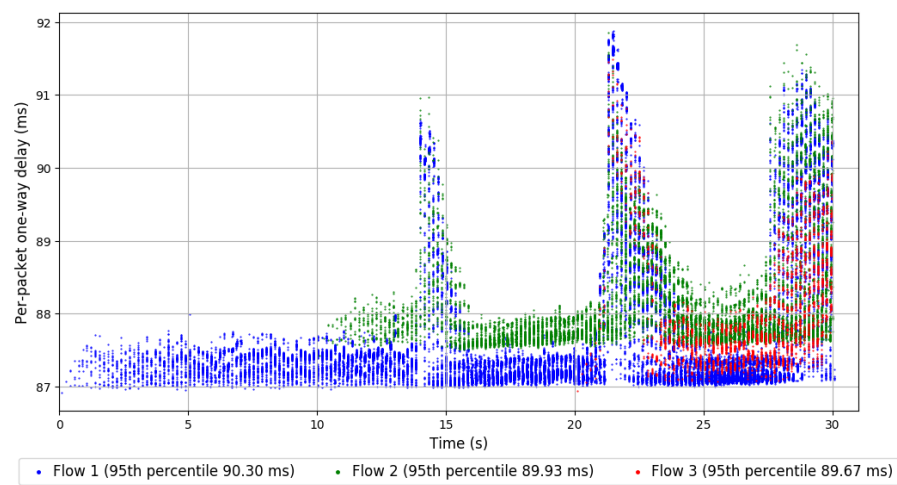
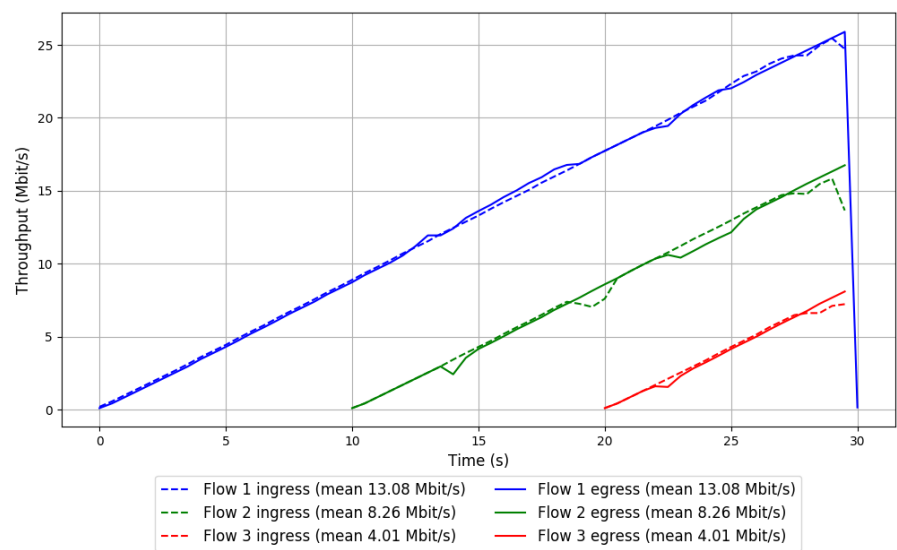


Run 4: Statistics of LEDBAT

Start at: 2018-02-20 14:57:53
End at: 2018-02-20 14:58:23
Local clock offset: -14.443 ms
Remote clock offset: 1.397 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 90.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 90.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 89.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 89.670 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

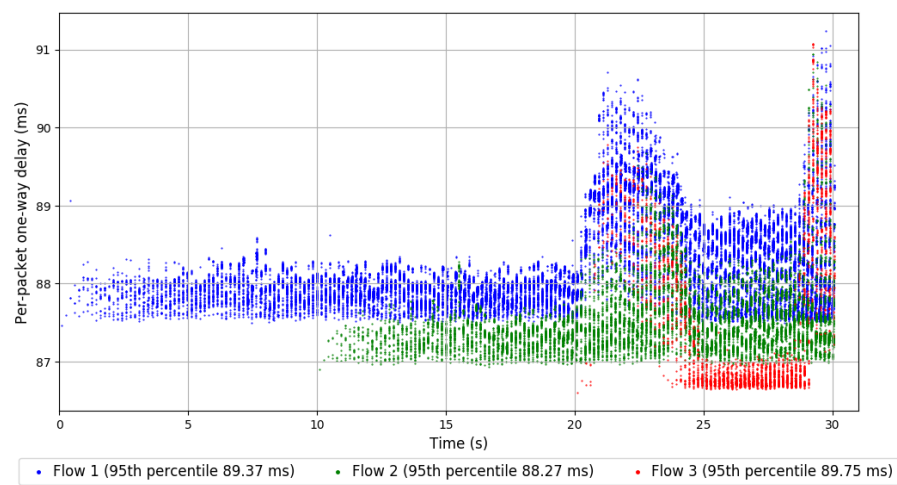
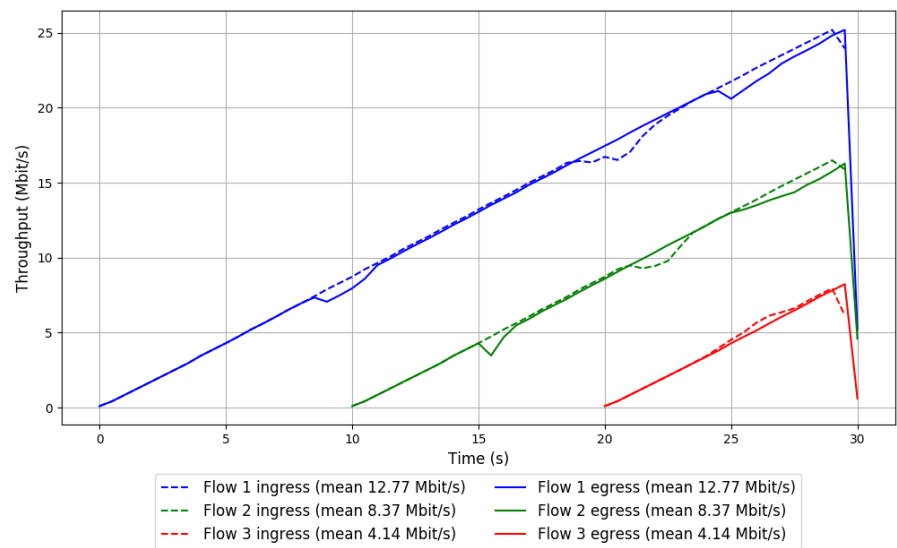


Run 5: Statistics of LEDBAT

Start at: 2018-02-20 15:21:40
End at: 2018-02-20 15:22:10
Local clock offset: -12.036 ms
Remote clock offset: 1.155 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 89.286 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 89.372 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 88.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 89.749 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

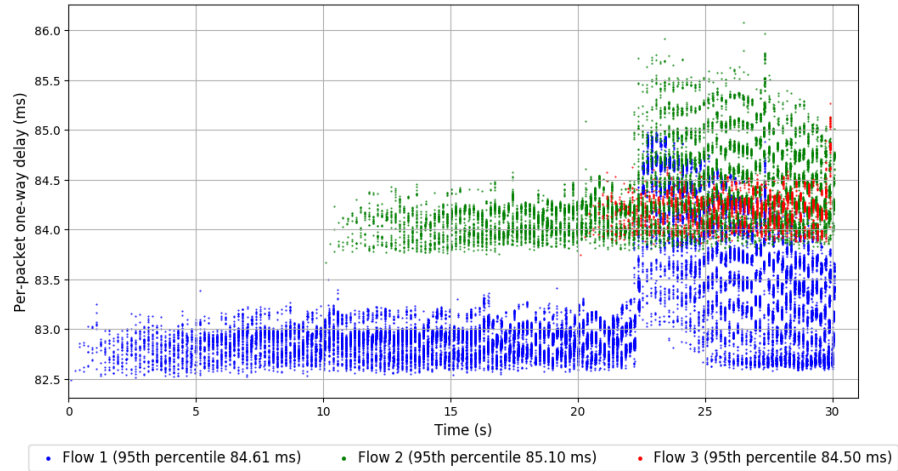
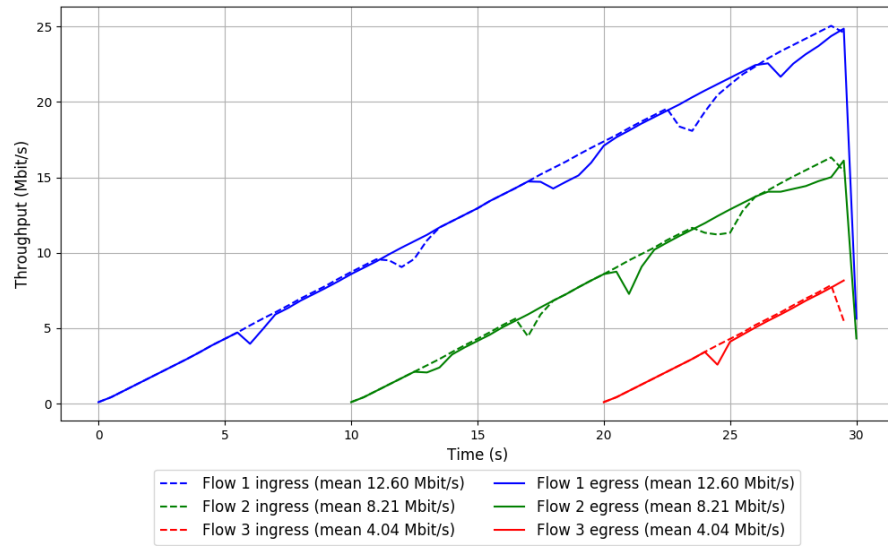


Run 6: Statistics of LEDBAT

Start at: 2018-02-20 15:45:09
End at: 2018-02-20 15:45:39
Local clock offset: -4.651 ms
Remote clock offset: -4.118 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 84.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 84.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 85.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 84.496 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

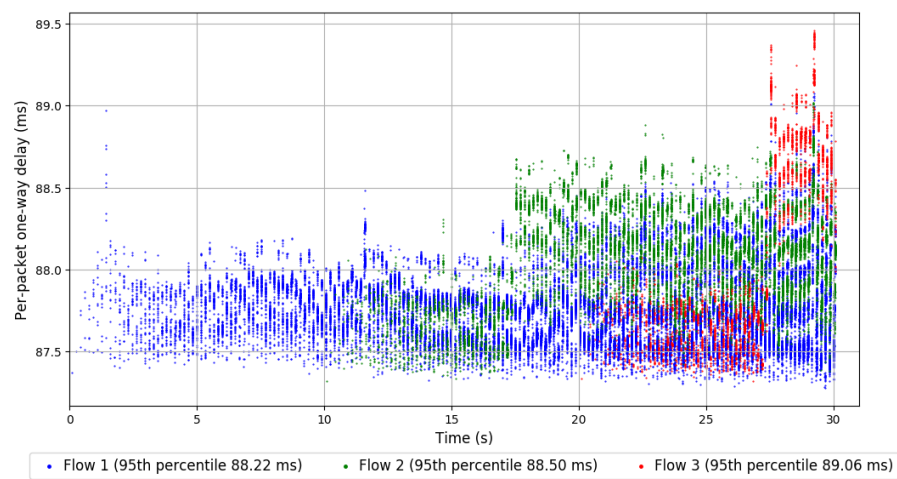
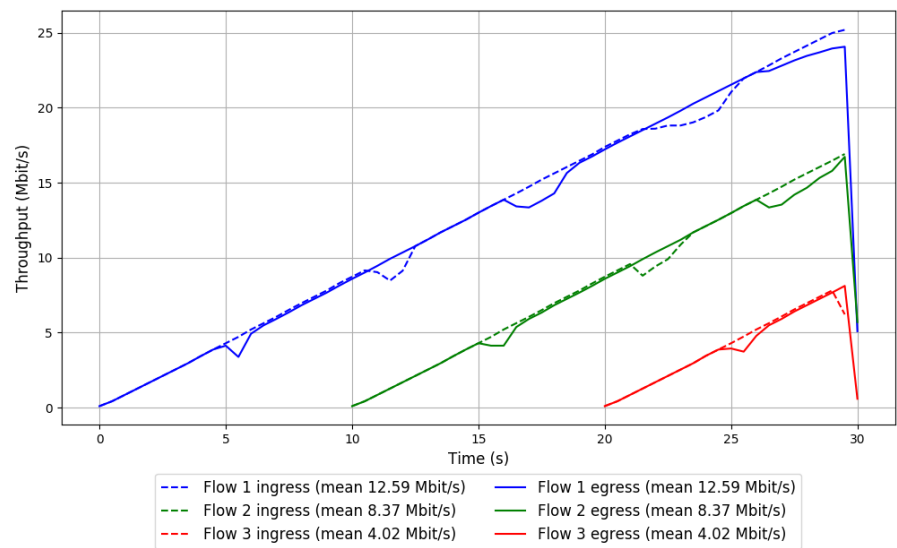


Run 7: Statistics of LEDBAT

Start at: 2018-02-20 16:09:01
End at: 2018-02-20 16:09:31
Local clock offset: -3.023 ms
Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 88.479 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 88.222 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 88.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 89.063 ms
Loss rate: 0.20%

Run 7: Report of LEDBAT — Data Link

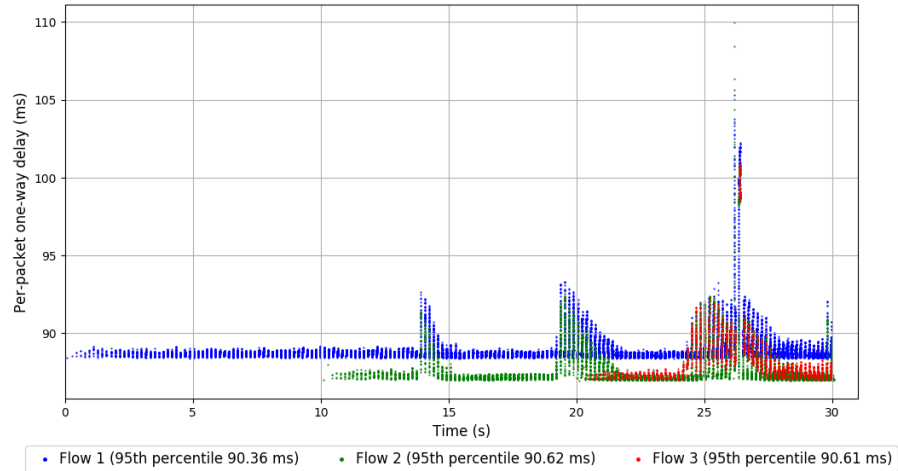
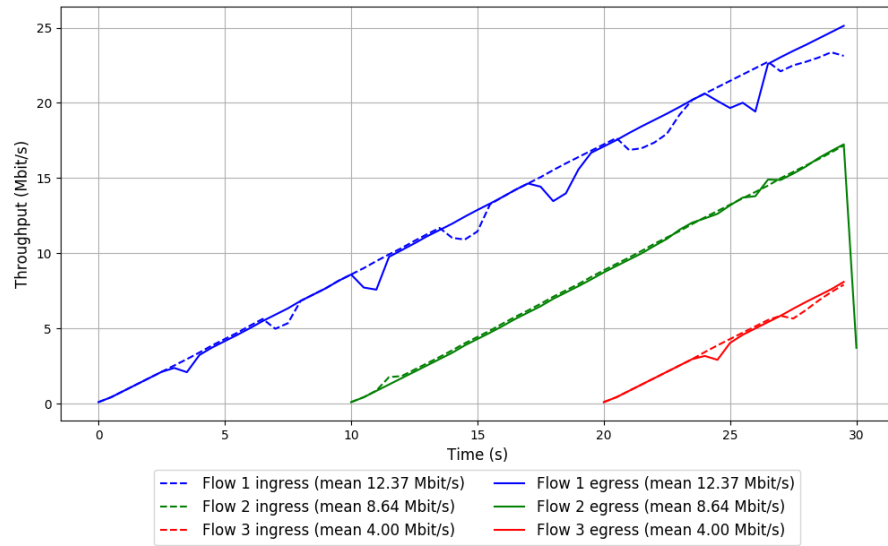


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 16:32:33
End at: 2018-02-20 16:33:03
Local clock offset: -4.867 ms
Remote clock offset: 2.31 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 90.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 90.358 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 90.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 90.612 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-20 16:56:21

End at: 2018-02-20 16:56:51

Local clock offset: -1.586 ms

Remote clock offset: 3.36 ms

Below is generated by plot.py at 2018-02-20 18:06:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 90.459 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 90.283 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 90.537 ms

Loss rate: 0.00%

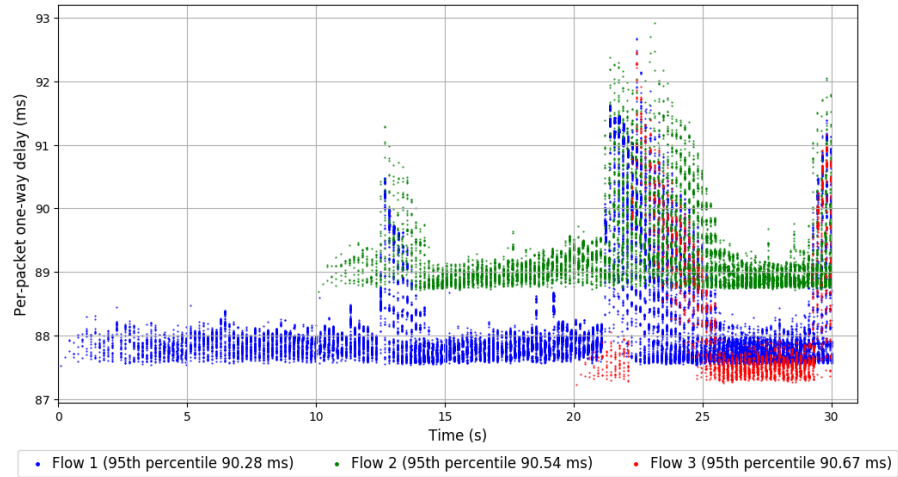
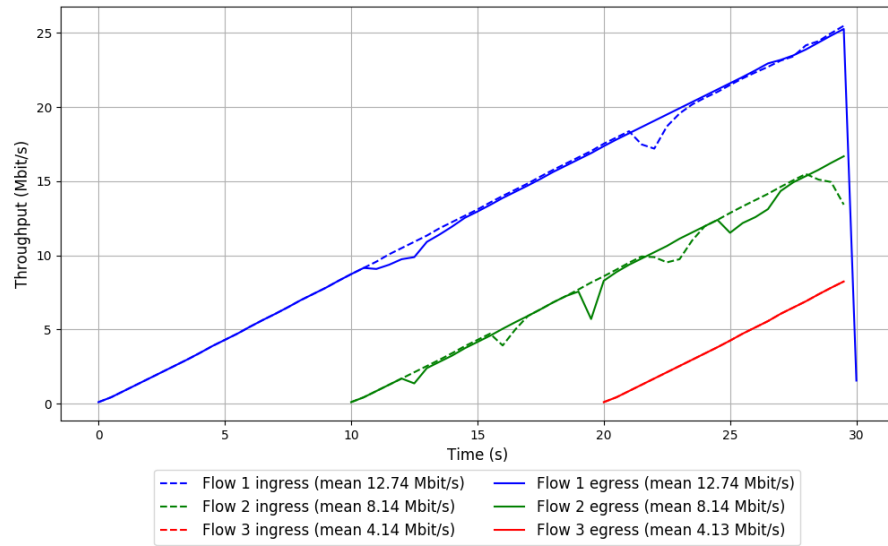
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 90.672 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

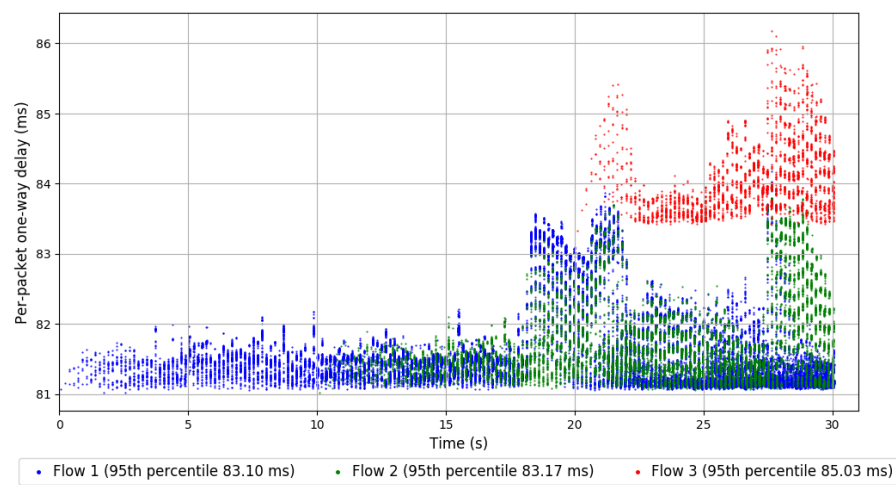
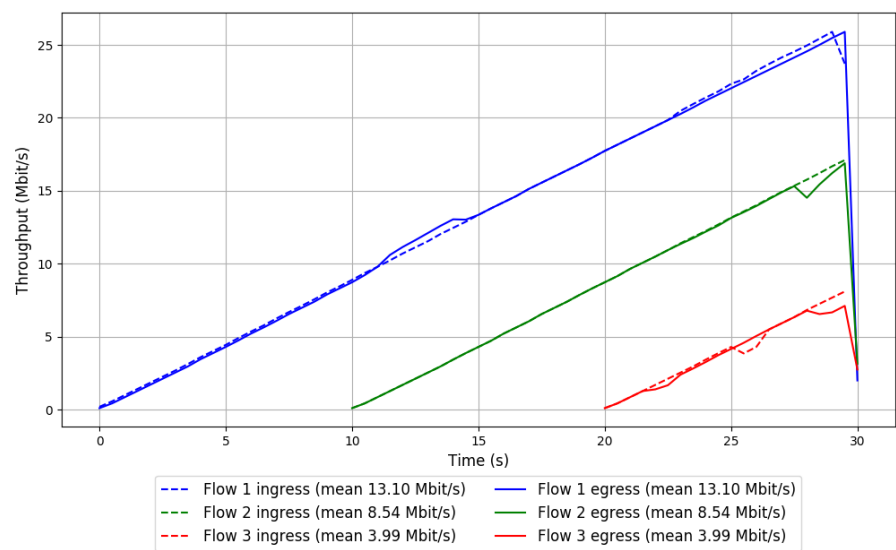


Run 10: Statistics of LEDBAT

Start at: 2018-02-20 17:19:54
End at: 2018-02-20 17:20:24
Local clock offset: 1.334 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-02-20 18:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.10 Mbit/s
95th percentile per-packet one-way delay: 83.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 83.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 83.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 85.034 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

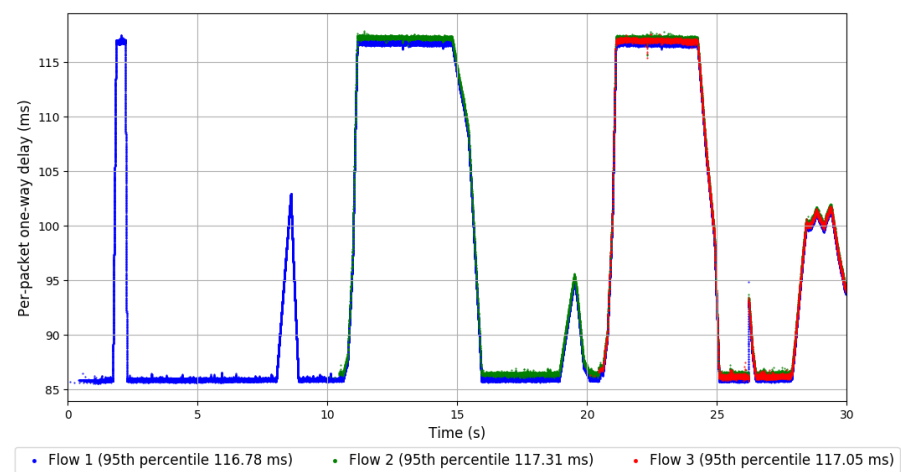
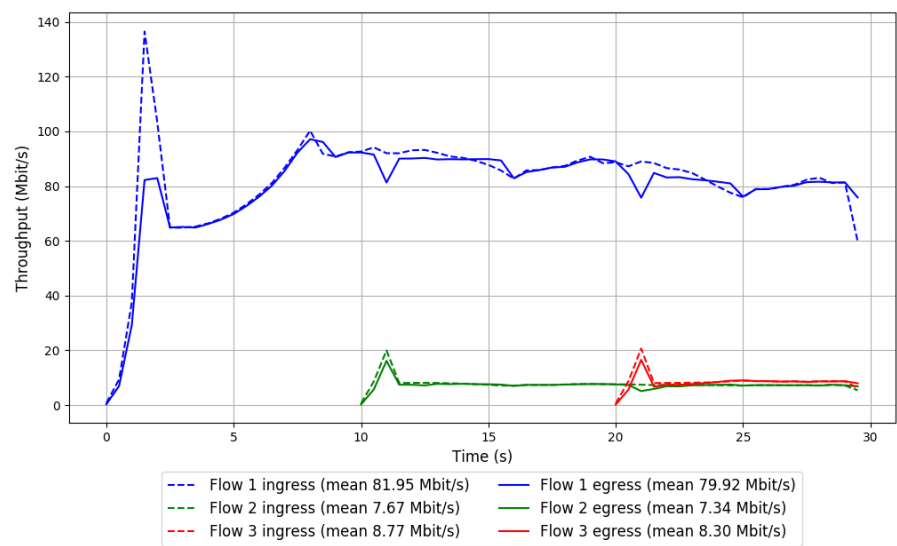


Run 1: Statistics of PCC

Start at: 2018-02-20 14:00:25
End at: 2018-02-20 14:00:55
Local clock offset: -14.299 ms
Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-02-20 18:07:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 116.825 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 116.780 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 117.308 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 117.048 ms
Loss rate: 5.24%

Run 1: Report of PCC — Data Link

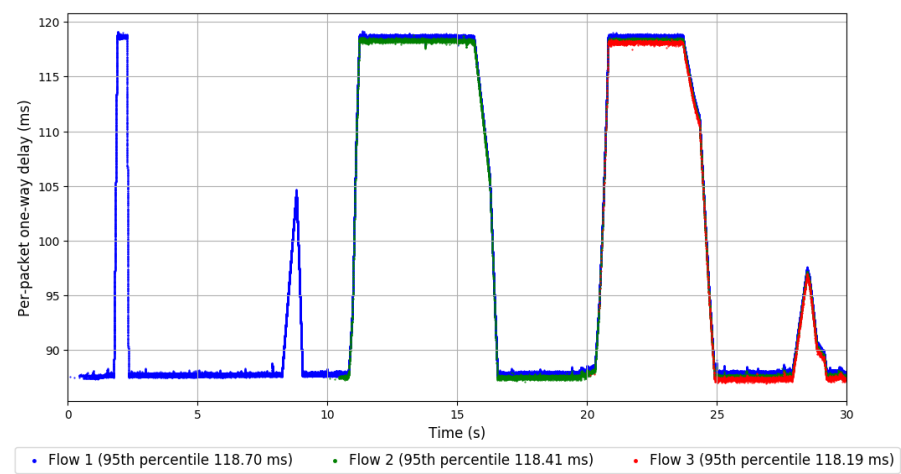
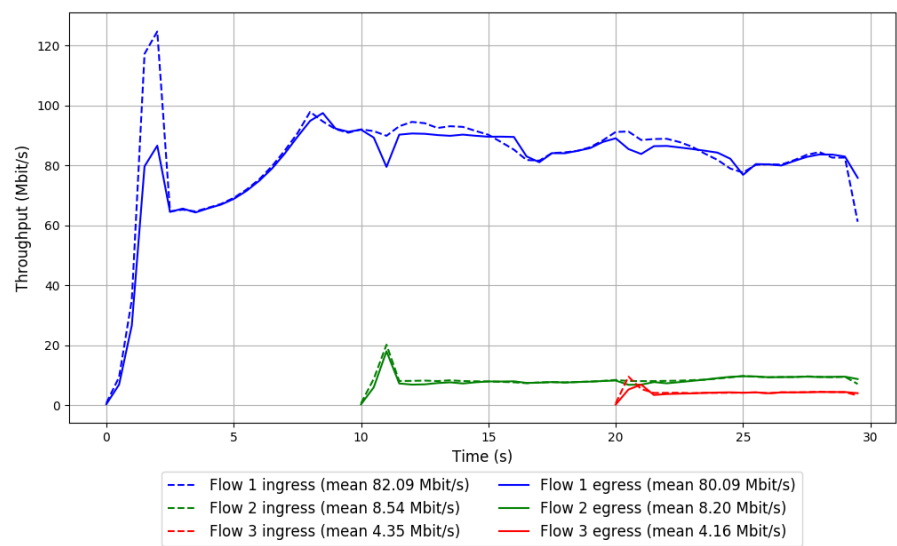


Run 2: Statistics of PCC

Start at: 2018-02-20 14:23:59
End at: 2018-02-20 14:24:29
Local clock offset: -15.857 ms
Remote clock offset: 1.185 ms

Below is generated by plot.py at 2018-02-20 18:07:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 118.694 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 118.699 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 118.405 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 118.191 ms
Loss rate: 4.42%

Run 2: Report of PCC — Data Link

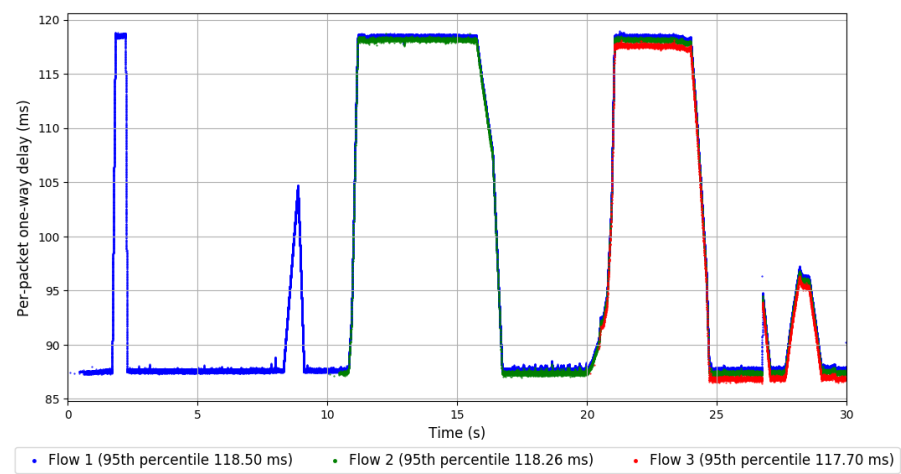
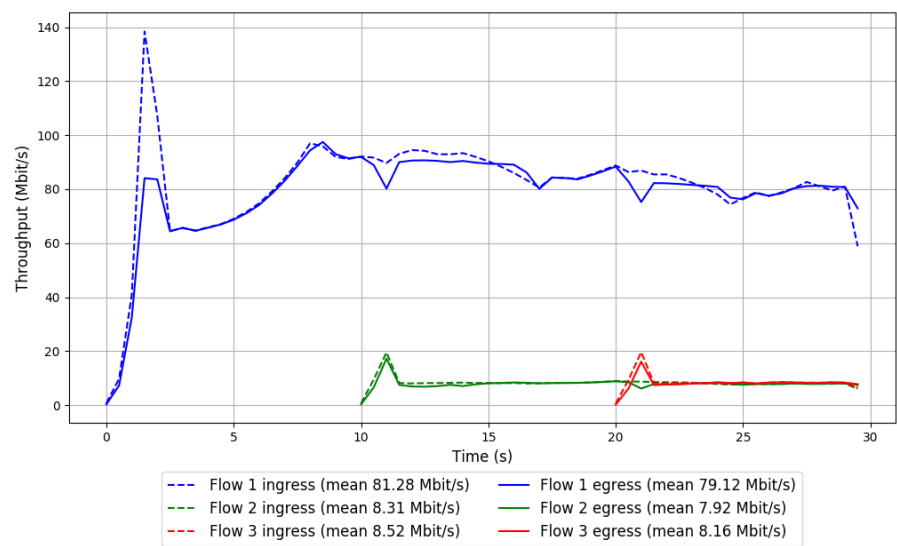


Run 3: Statistics of PCC

Start at: 2018-02-20 14:47:30
End at: 2018-02-20 14:48:01
Local clock offset: -14.667 ms
Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-02-20 18:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 118.493 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 118.500 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 118.262 ms
Loss rate: 4.74%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 117.700 ms
Loss rate: 4.24%

Run 3: Report of PCC — Data Link

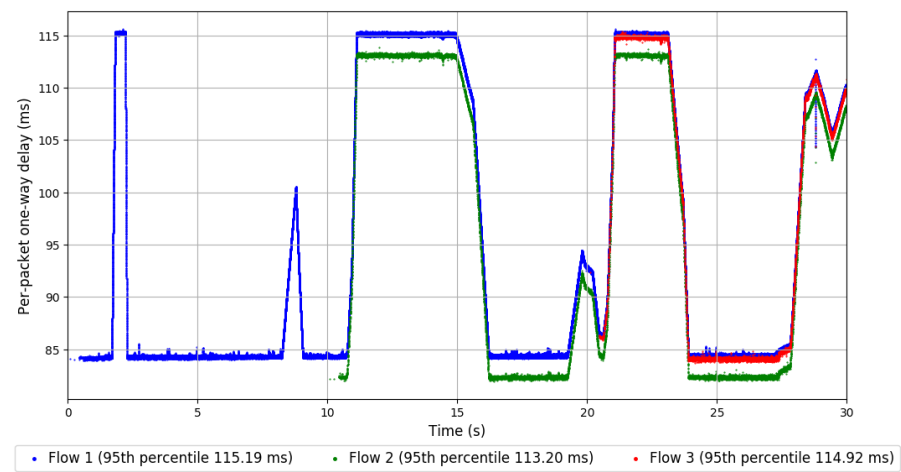
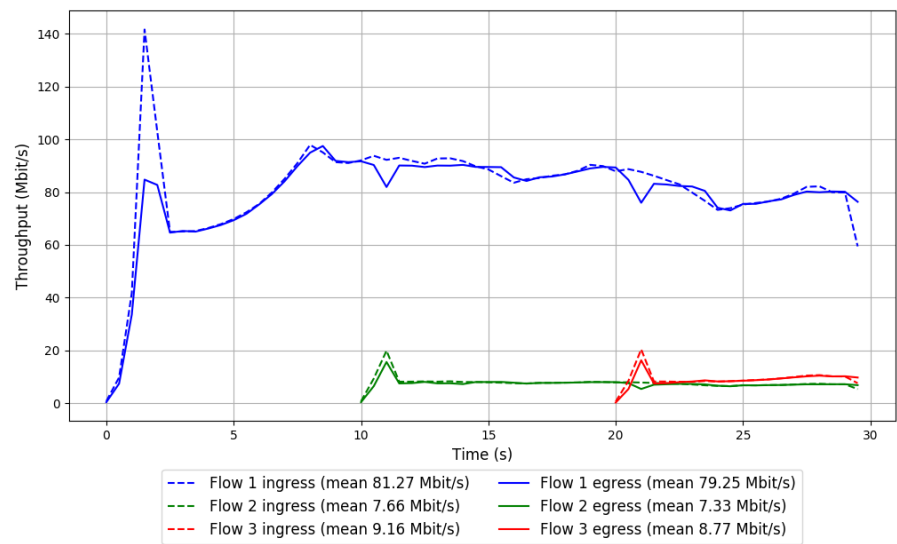


Run 4: Statistics of PCC

Start at: 2018-02-20 15:11:18
End at: 2018-02-20 15:11:48
Local clock offset: -12.522 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2018-02-20 18:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 115.185 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 115.192 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 114.915 ms
Loss rate: 4.07%

Run 4: Report of PCC — Data Link

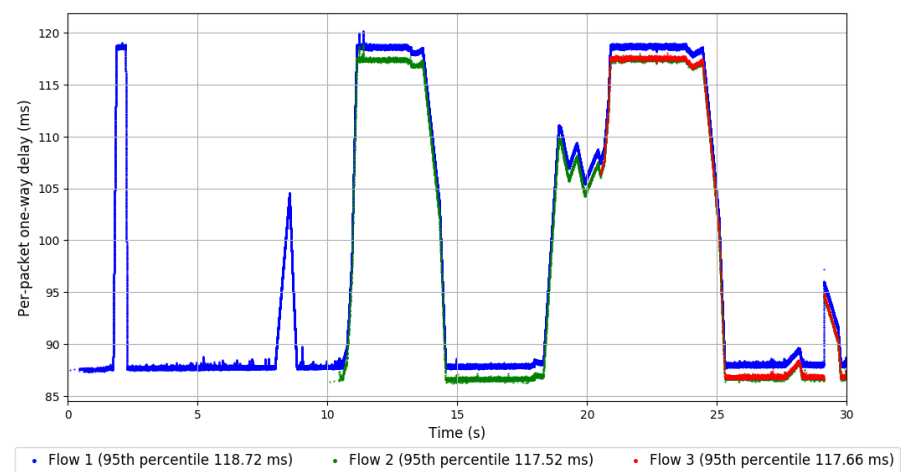
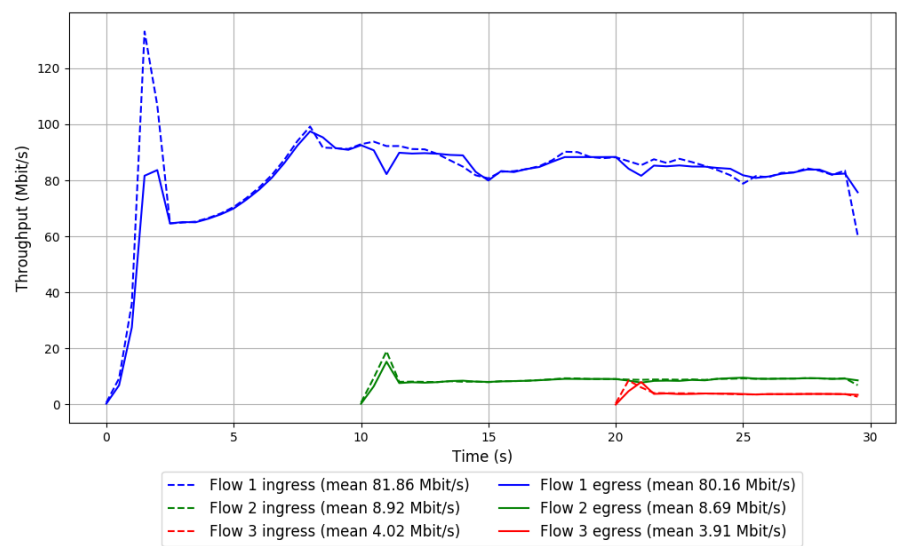


Run 5: Statistics of PCC

Start at: 2018-02-20 15:34:45
End at: 2018-02-20 15:35:15
Local clock offset: -8.741 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-02-20 18:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 118.708 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 118.716 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 117.517 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 117.662 ms
Loss rate: 2.96%

Run 5: Report of PCC — Data Link

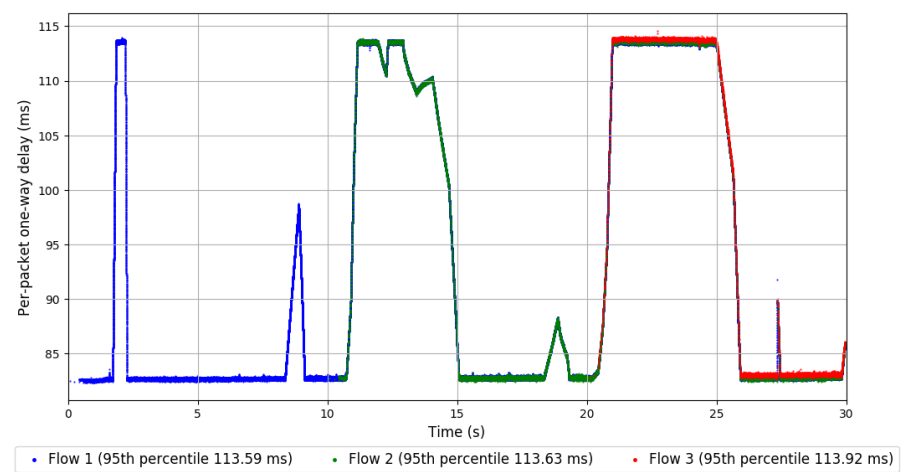
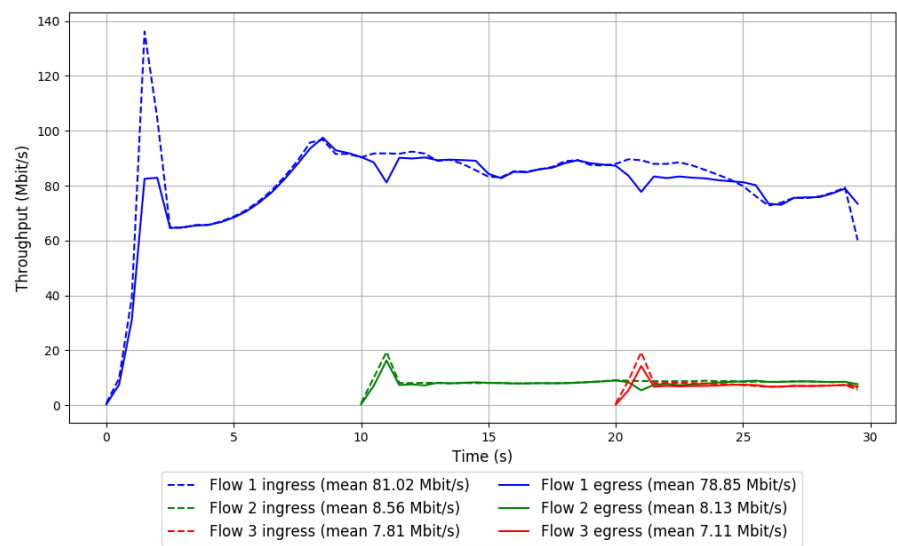


Run 6: Statistics of PCC

Start at: 2018-02-20 15:58:36
End at: 2018-02-20 15:59:06
Local clock offset: -2.085 ms
Remote clock offset: -4.127 ms

Below is generated by plot.py at 2018-02-20 18:07:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 113.613 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 78.85 Mbit/s
95th percentile per-packet one-way delay: 113.594 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 113.629 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 113.923 ms
Loss rate: 8.94%

Run 6: Report of PCC — Data Link

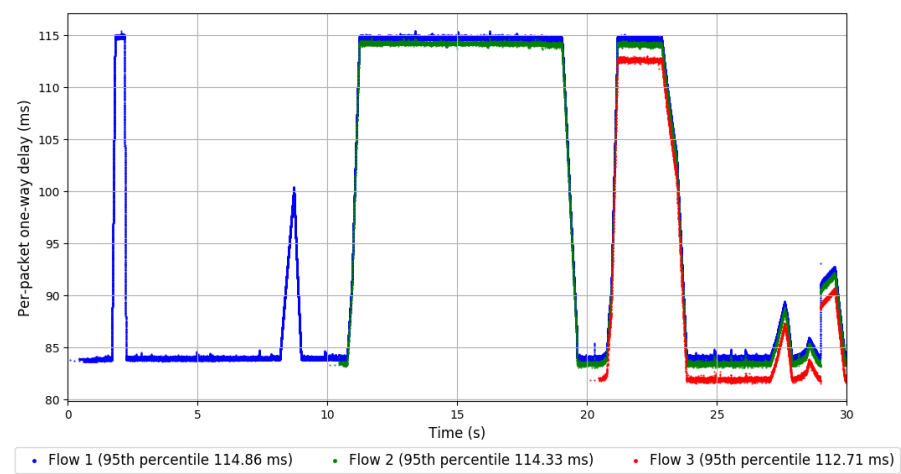
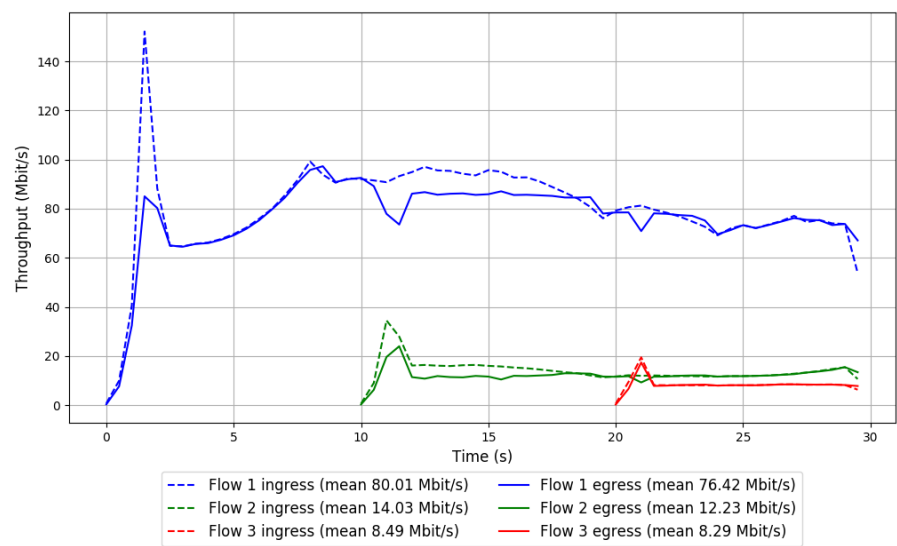


Run 7: Statistics of PCC

Start at: 2018-02-20 16:22:08
End at: 2018-02-20 16:22:38
Local clock offset: -4.717 ms
Remote clock offset: -3.221 ms

Below is generated by plot.py at 2018-02-20 18:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 114.847 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 114.855 ms
Loss rate: 4.48%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 114.326 ms
Loss rate: 12.81%
-- Flow 3:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 112.706 ms
Loss rate: 2.35%

Run 7: Report of PCC — Data Link

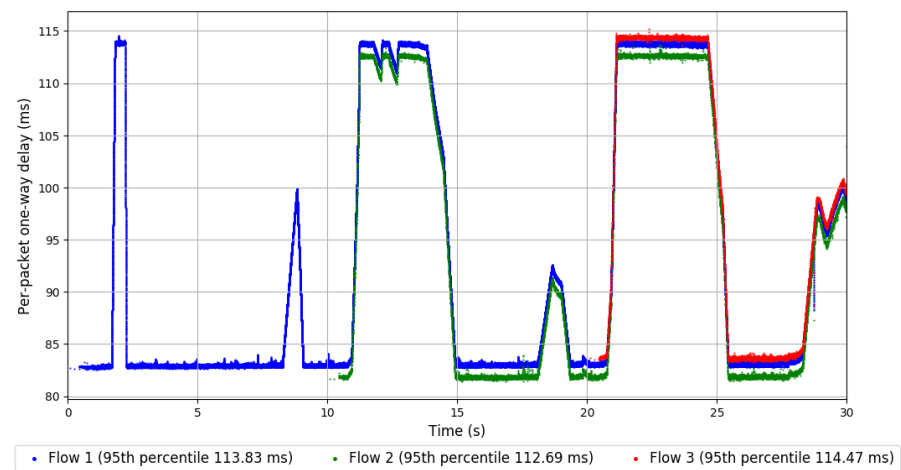
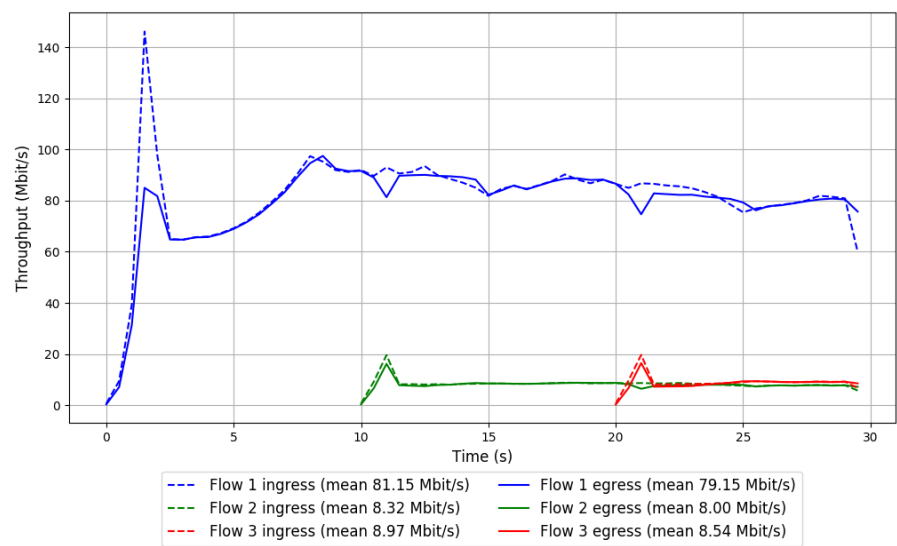


Run 8: Statistics of PCC

Start at: 2018-02-20 16:45:57
End at: 2018-02-20 16:46:27
Local clock offset: -2.906 ms
Remote clock offset: -2.781 ms

Below is generated by plot.py at 2018-02-20 18:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 113.840 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 113.827 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 112.693 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 114.470 ms
Loss rate: 4.69%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-20 17:09:27

End at: 2018-02-20 17:09:57

Local clock offset: -0.503 ms

Remote clock offset: 3.959 ms

Below is generated by plot.py at 2018-02-20 18:08:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 119.517 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 119.524 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 8.18 Mbit/s

95th percentile per-packet one-way delay: 118.132 ms

Loss rate: 4.75%

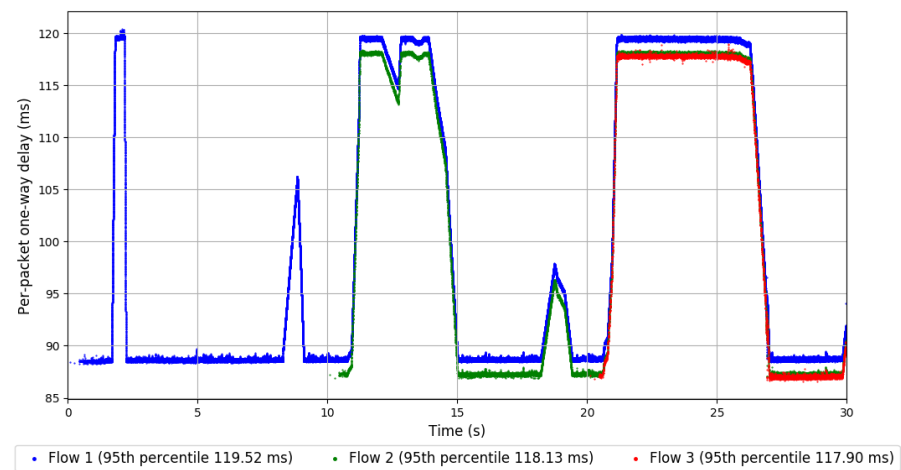
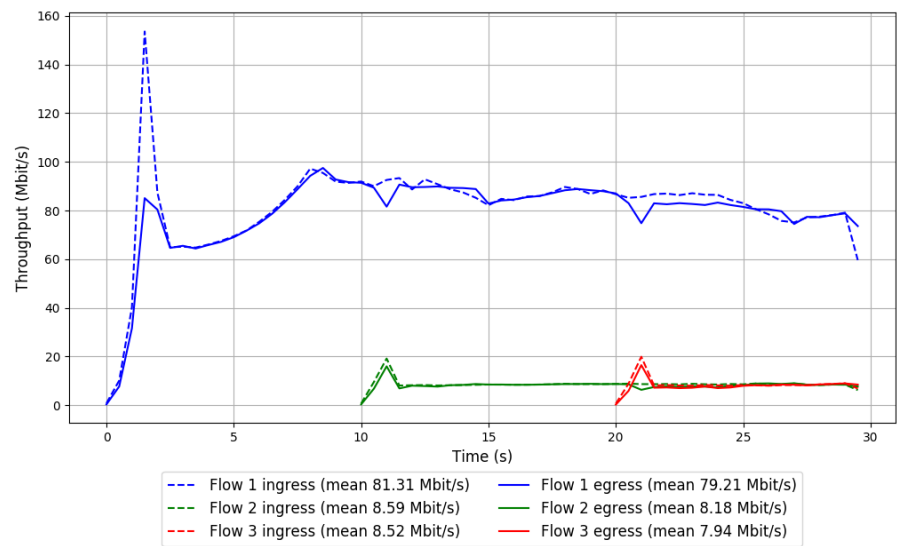
-- Flow 3:

Average throughput: 7.94 Mbit/s

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

Loss rate: 6.81%

Run 9: Report of PCC — Data Link

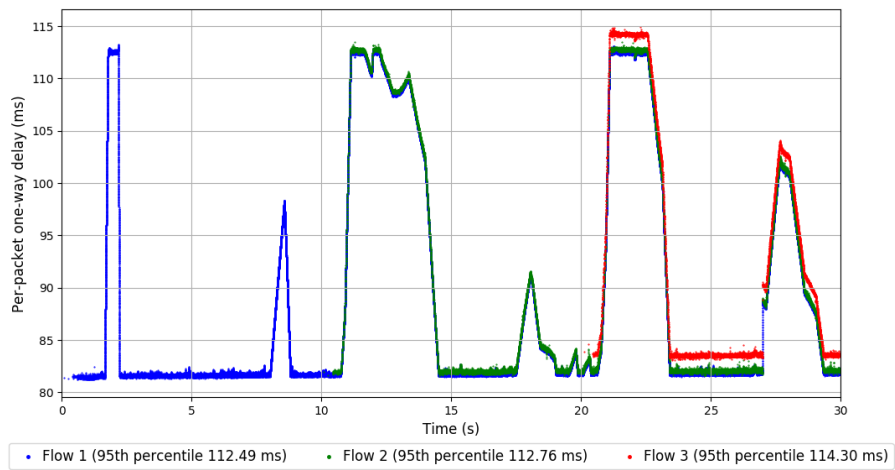
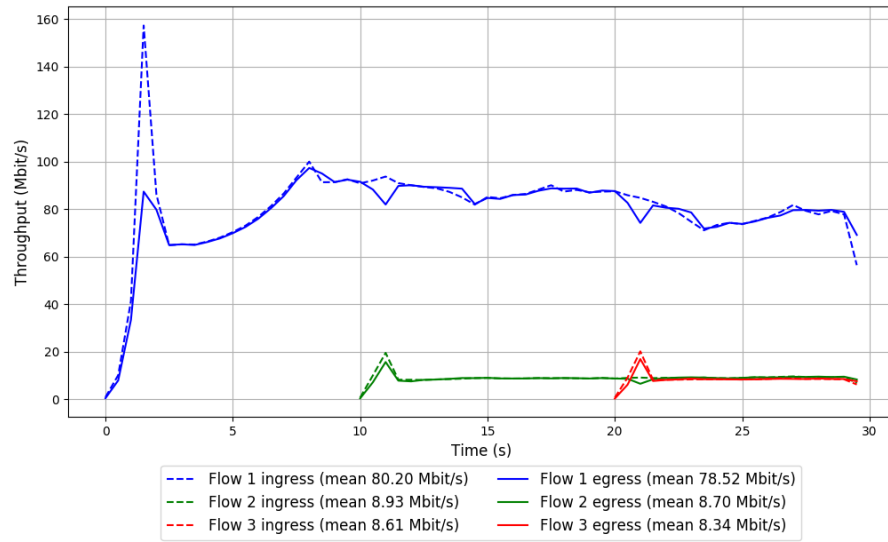


Run 10: Statistics of PCC

Start at: 2018-02-20 17:33:05
End at: 2018-02-20 17:33:35
Local clock offset: 3.051 ms
Remote clock offset: -1.457 ms

Below is generated by plot.py at 2018-02-20 18:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 112.516 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 112.491 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 112.756 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 114.303 ms
Loss rate: 3.14%

Run 10: Report of PCC — Data Link

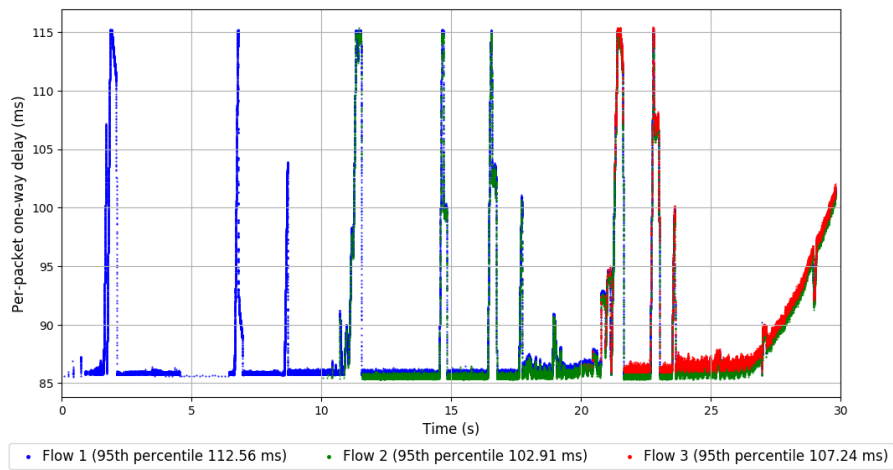
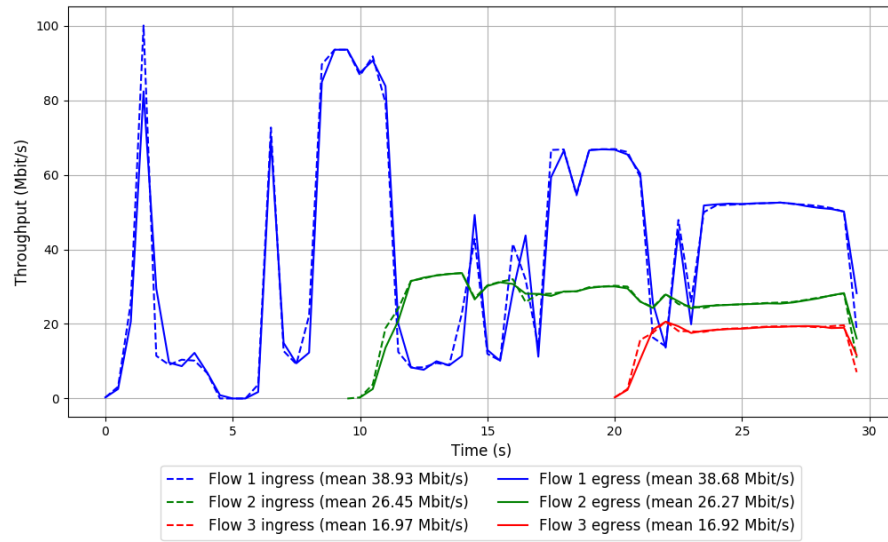


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 13:57:50
End at: 2018-02-20 13:58:20
Local clock offset: -13.853 ms
Remote clock offset: 0.445 ms

Below is generated by plot.py at 2018-02-20 18:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 110.229 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 112.555 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 102.911 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 107.243 ms
Loss rate: 0.17%

Run 1: Report of QUIC Cubic — Data Link

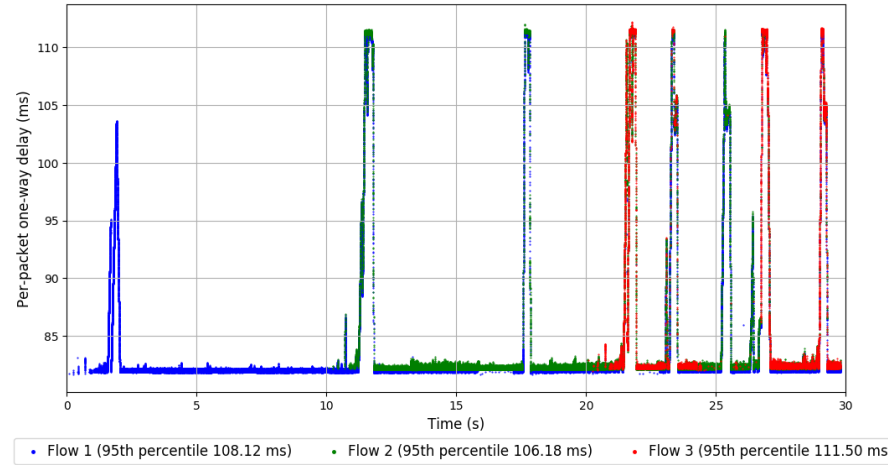
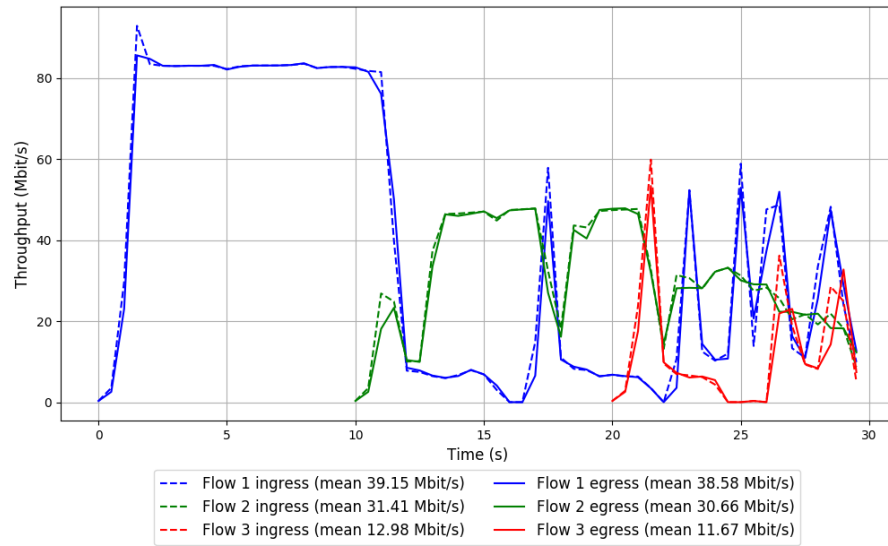


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 14:21:24
End at: 2018-02-20 14:21:54
Local clock offset: -16.11 ms
Remote clock offset: -3.525 ms

Below is generated by plot.py at 2018-02-20 18:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 110.063 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 108.120 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 106.181 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 111.502 ms
Loss rate: 10.11%

Run 2: Report of QUIC Cubic — Data Link

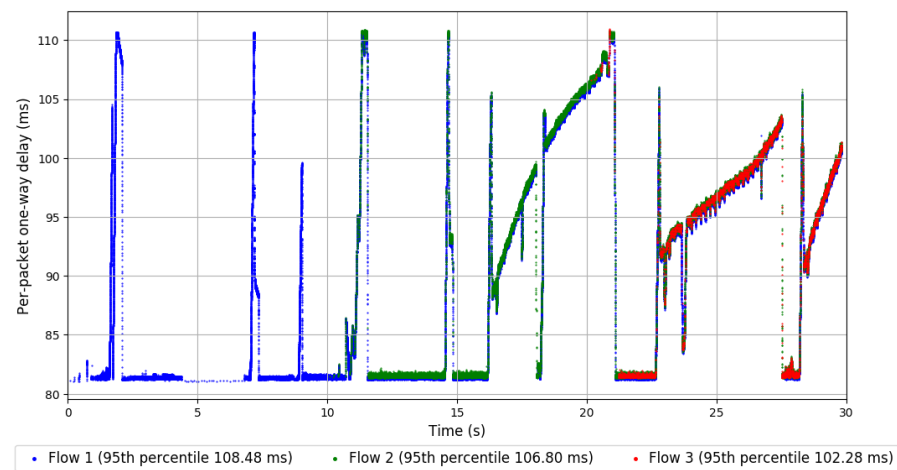
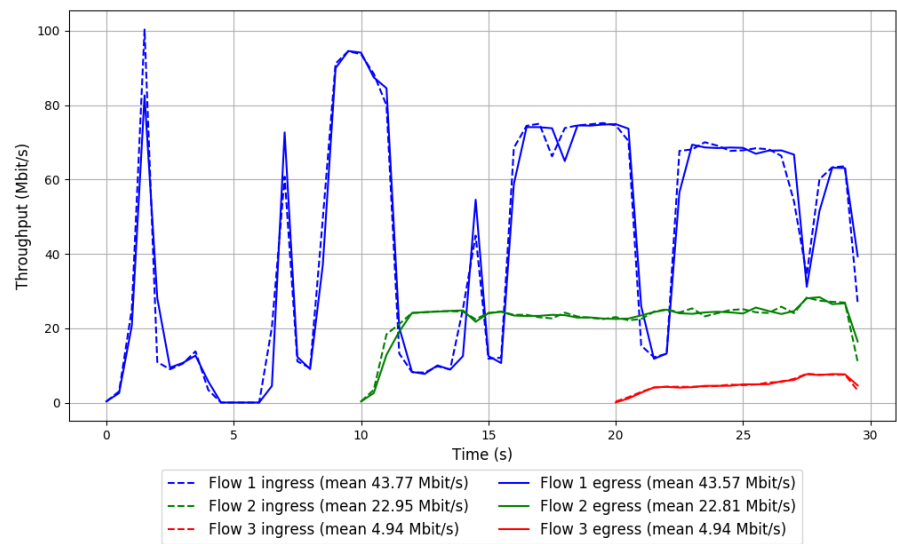


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 14:44:57
End at: 2018-02-20 14:45:27
Local clock offset: -14.665 ms
Remote clock offset: -4.546 ms

Below is generated by plot.py at 2018-02-20 18:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 108.011 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 108.481 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 106.800 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 102.276 ms
Loss rate: 0.21%

Run 3: Report of QUIC Cubic — Data Link

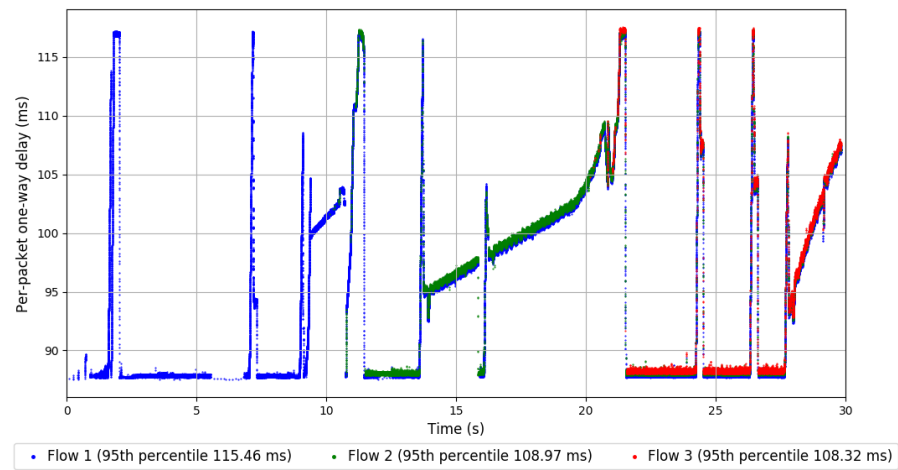
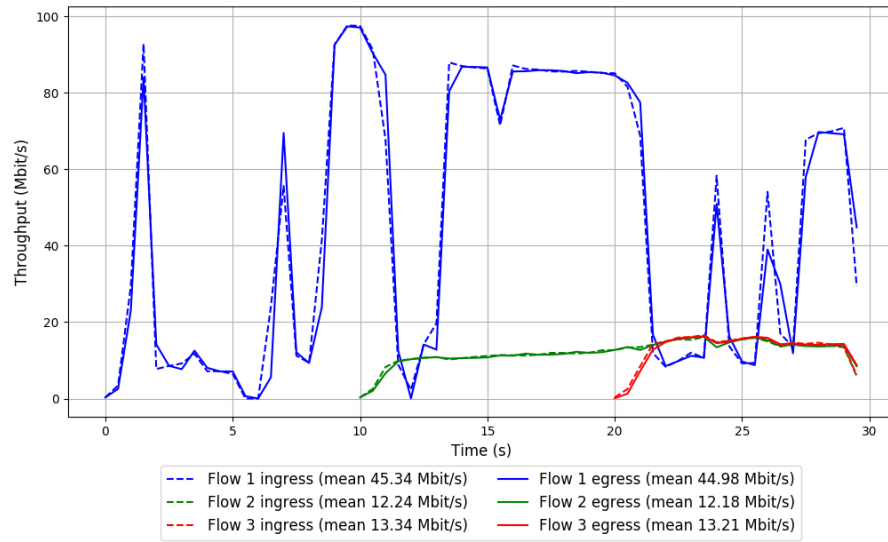


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 15:08:44
End at: 2018-02-20 15:09:14
Local clock offset: -12.787 ms
Remote clock offset: 2.229 ms

```
# Below is generated by plot.py at 2018-02-20 18:08:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 113.633 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 115.461 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 108.971 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 108.322 ms
Loss rate: 0.99%
```

Run 4: Report of QUIC Cubic — Data Link

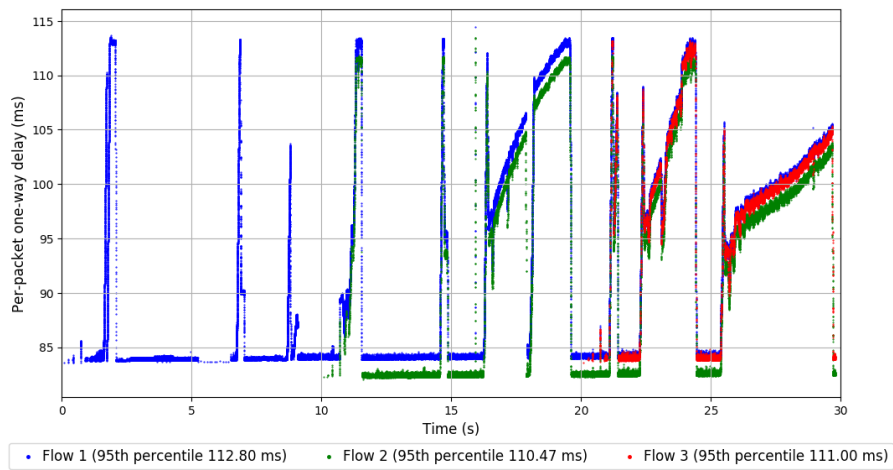
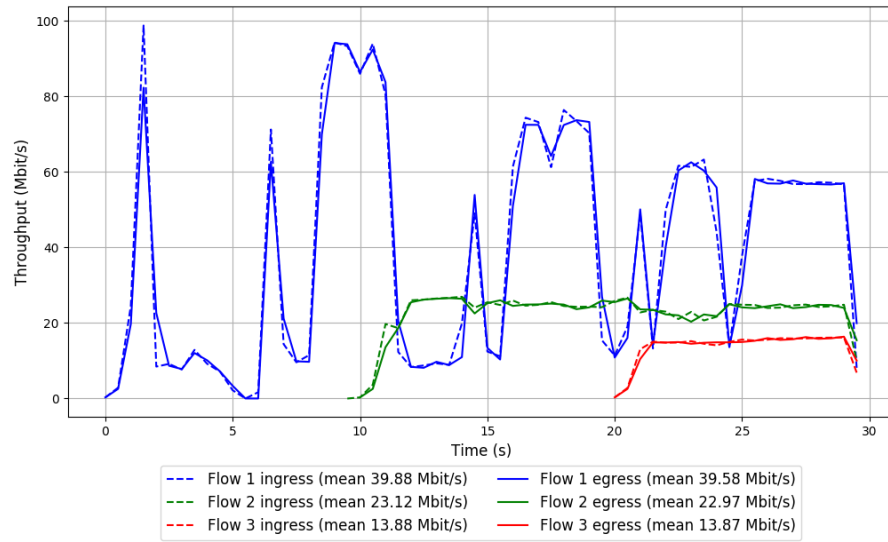


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 15:32:12
End at: 2018-02-20 15:32:42
Local clock offset: -10.322 ms
Remote clock offset: -4.029 ms

Below is generated by plot.py at 2018-02-20 18:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 112.248 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 112.803 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 110.474 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 13.87 Mbit/s
95th percentile per-packet one-way delay: 110.998 ms
Loss rate: 0.09%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 15:56:02

End at: 2018-02-20 15:56:32

Local clock offset: -2.417 ms

Remote clock offset: 1.509 ms

Below is generated by plot.py at 2018-02-20 18:09:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.77 Mbit/s

95th percentile per-packet one-way delay: 114.817 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 40.66 Mbit/s

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

Loss rate: 0.46%

-- Flow 2:

Average throughput: 27.47 Mbit/s

95th percentile per-packet one-way delay: 108.218 ms

Loss rate: 0.42%

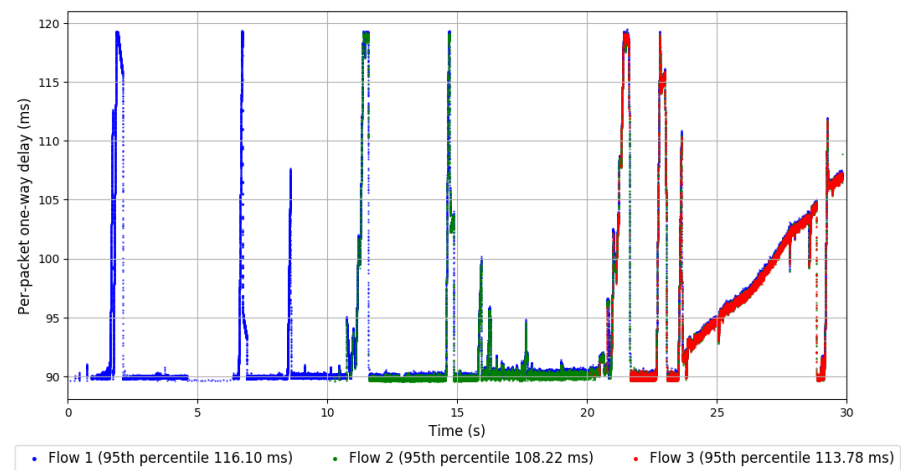
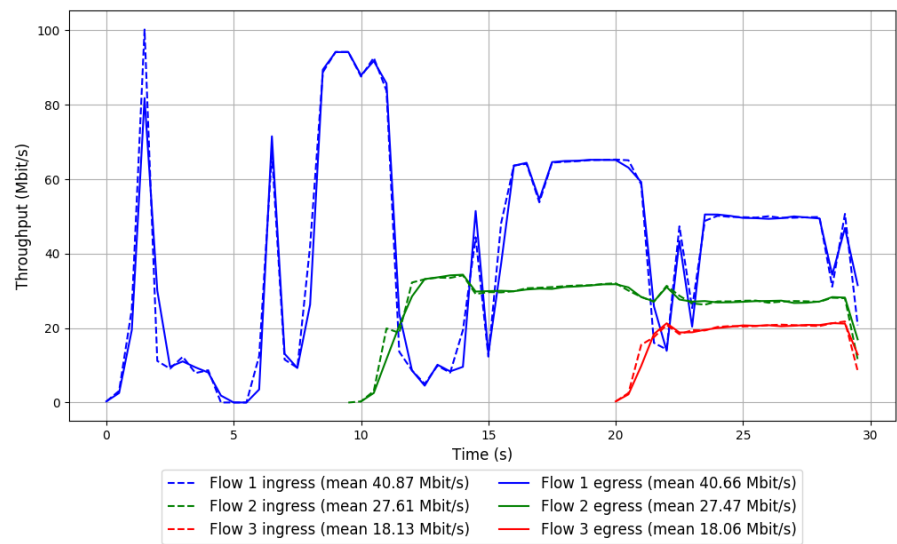
-- Flow 3:

Average throughput: 18.06 Mbit/s

95th percentile per-packet one-way delay: 113.775 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 16:19:34

End at: 2018-02-20 16:20:04

Local clock offset: -4.622 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2018-02-20 18:09:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 113.723 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 114.777 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 12.50 Mbit/s

95th percentile per-packet one-way delay: 107.320 ms

Loss rate: 0.14%

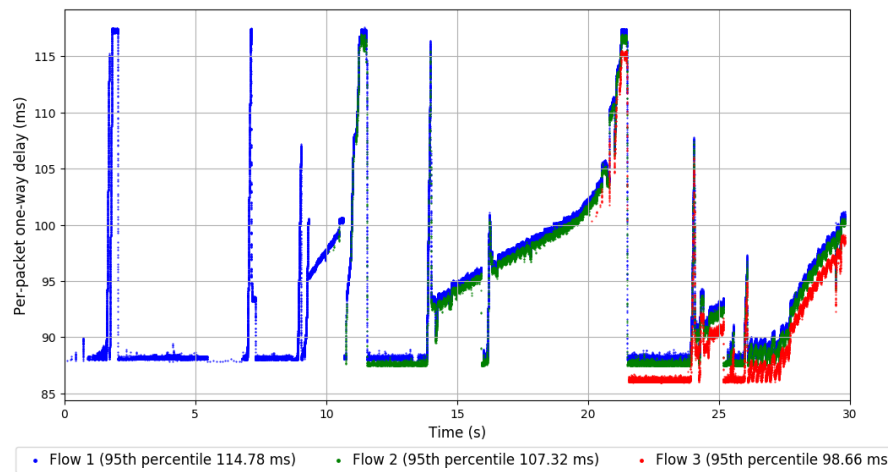
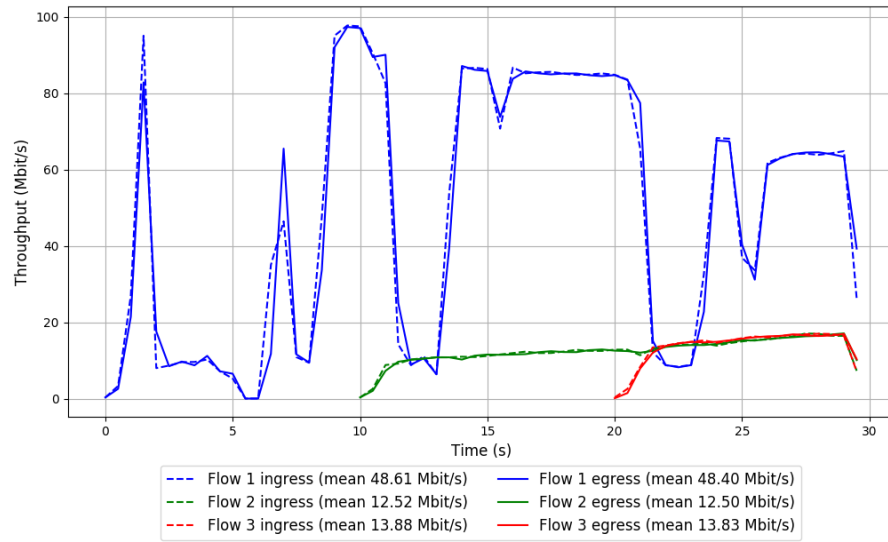
-- Flow 3:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 98.655 ms

Loss rate: 0.34%

Run 7: Report of QUIC Cubic — Data Link

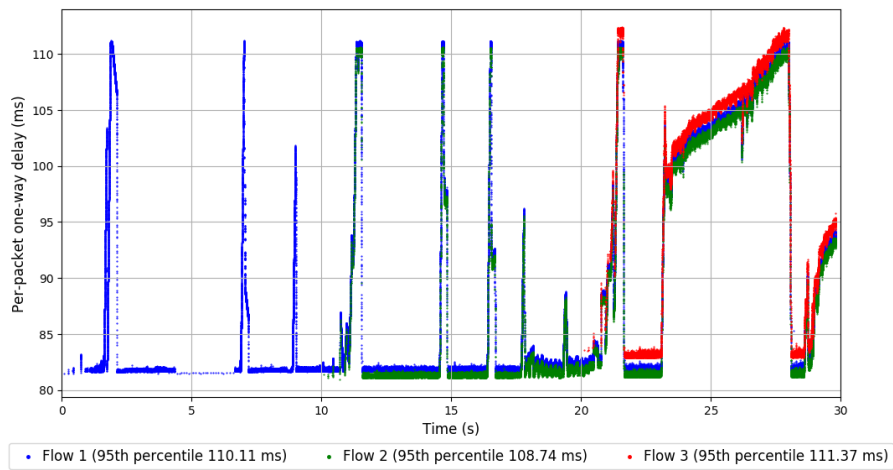
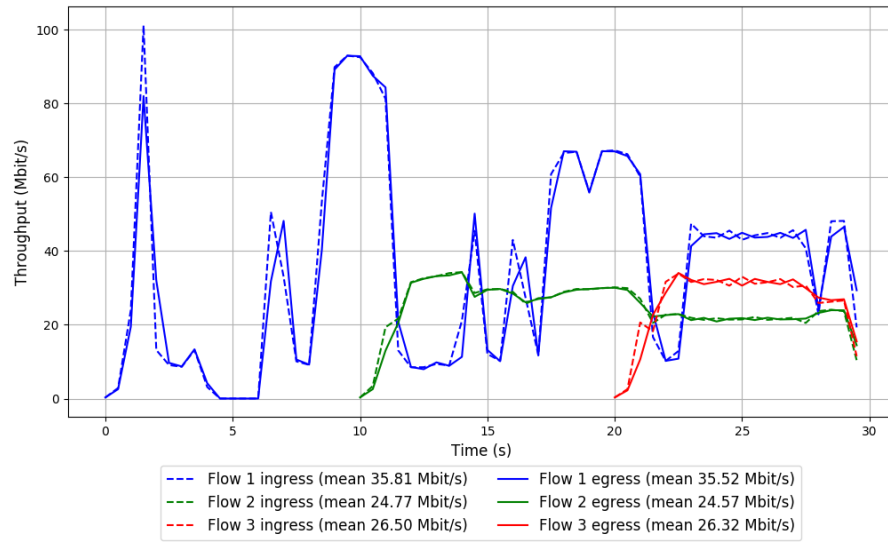


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 16:43:24
End at: 2018-02-20 16:43:54
Local clock offset: -3.409 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-02-20 18:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 110.084 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 110.113 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 108.742 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 111.368 ms
Loss rate: 0.56%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 17:06:54

End at: 2018-02-20 17:07:24

Local clock offset: -0.697 ms

Remote clock offset: -1.87 ms

Below is generated by plot.py at 2018-02-20 18:09:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 107.366 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 46.79 Mbit/s

95th percentile per-packet one-way delay: 108.006 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 103.974 ms

Loss rate: 0.17%

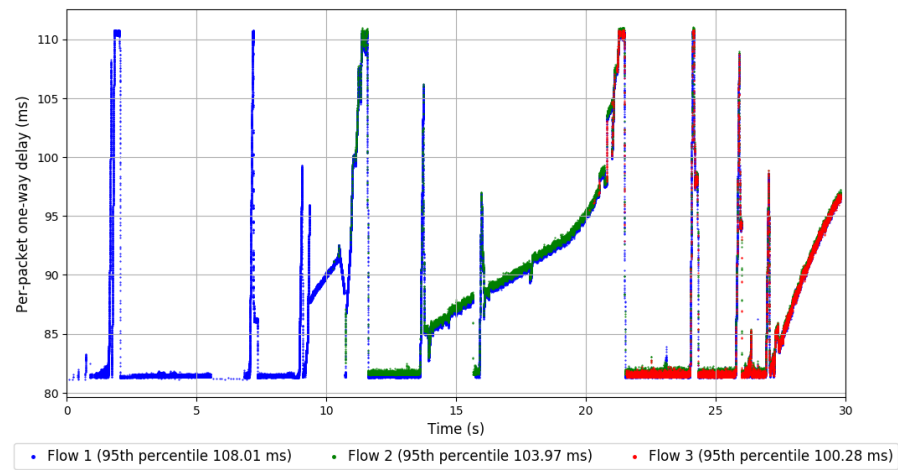
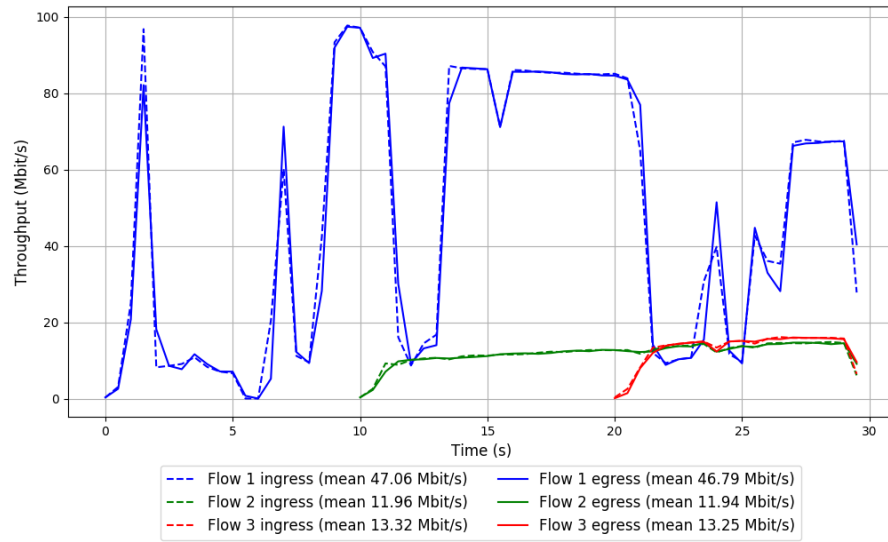
-- Flow 3:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 100.275 ms

Loss rate: 0.49%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 17:30:31

End at: 2018-02-20 17:31:01

Local clock offset: 2.779 ms

Remote clock offset: 4.364 ms

Below is generated by plot.py at 2018-02-20 18:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 116.086 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 113.746 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 112.245 ms

Loss rate: 2.41%

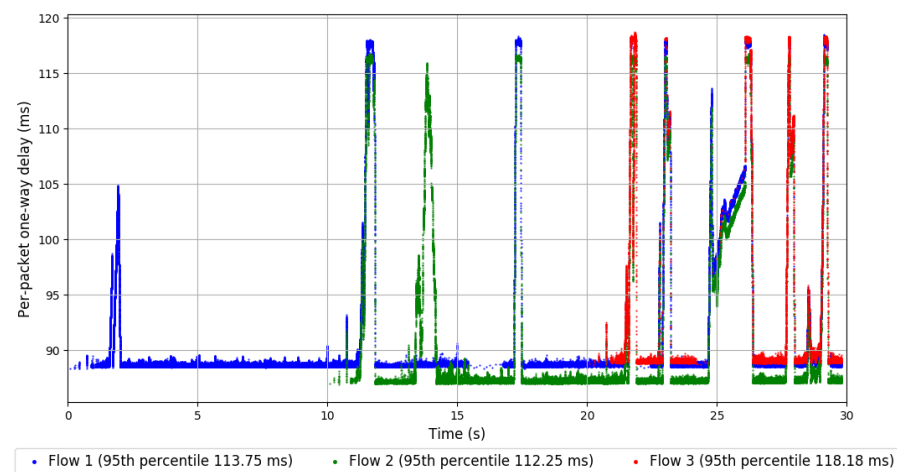
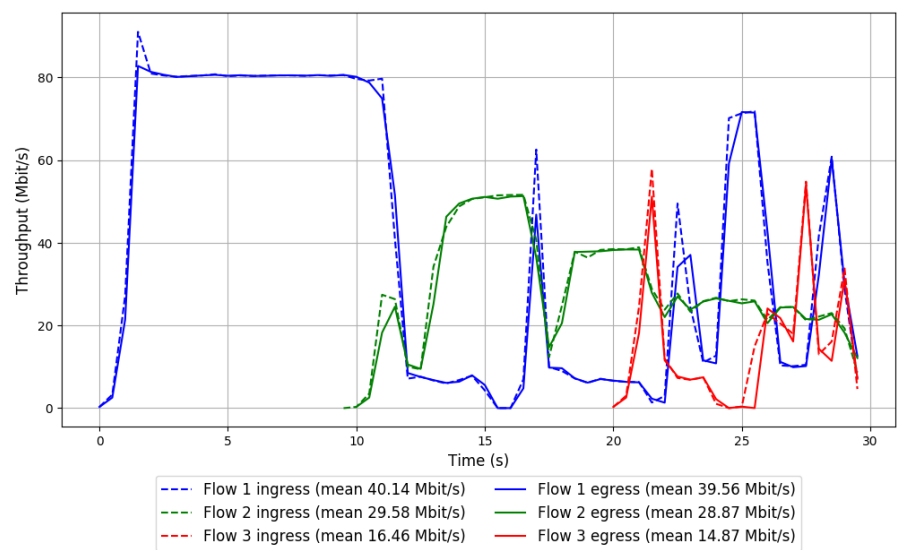
-- Flow 3:

Average throughput: 14.87 Mbit/s

95th percentile per-packet one-way delay: 118.182 ms

Loss rate: 9.66%

Run 10: Report of QUIC Cubic — Data Link

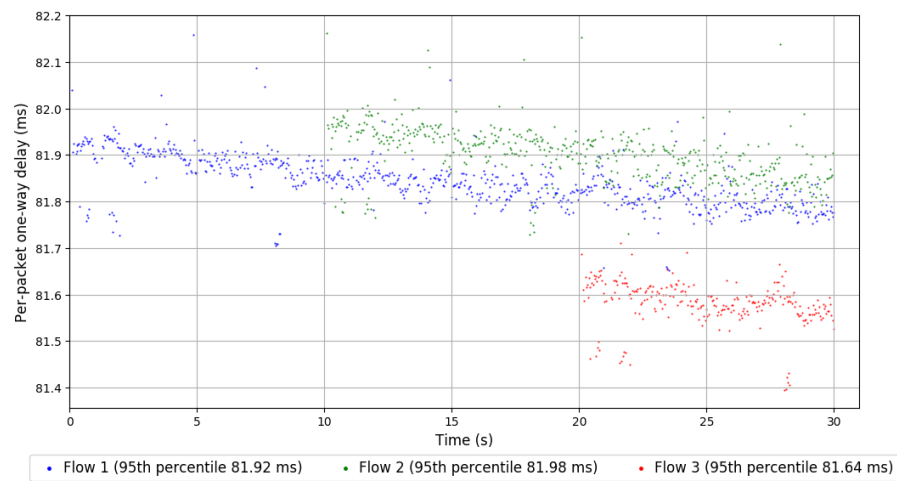
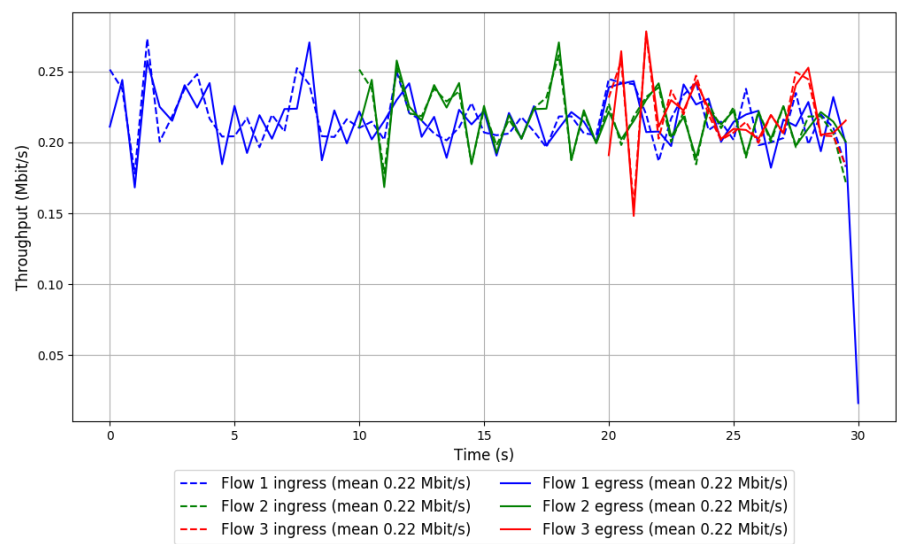


```
Run 1: Statistics of SReAM

Start at: 2018-02-20 13:52:19
End at: 2018-02-20 13:52:49
Local clock offset: -12.547 ms
Remote clock offset: -3.482 ms

# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.642 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

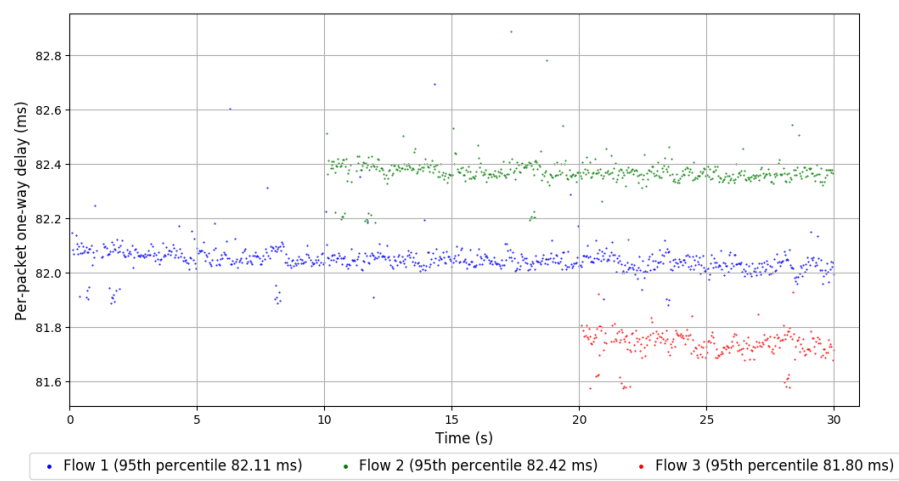
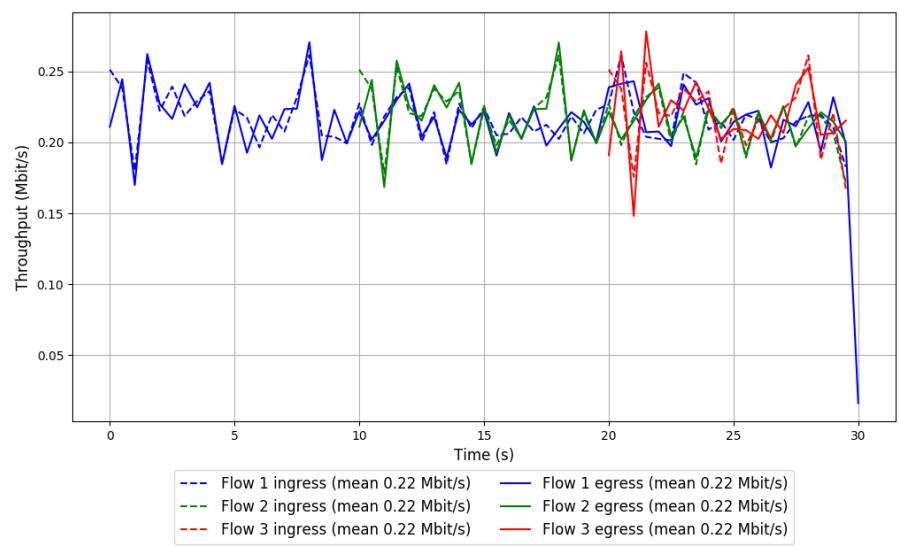


Run 2: Statistics of SReAM

Start at: 2018-02-20 14:16:07
End at: 2018-02-20 14:16:37
Local clock offset: -15.764 ms
Remote clock offset: -3.602 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 82.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.801 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

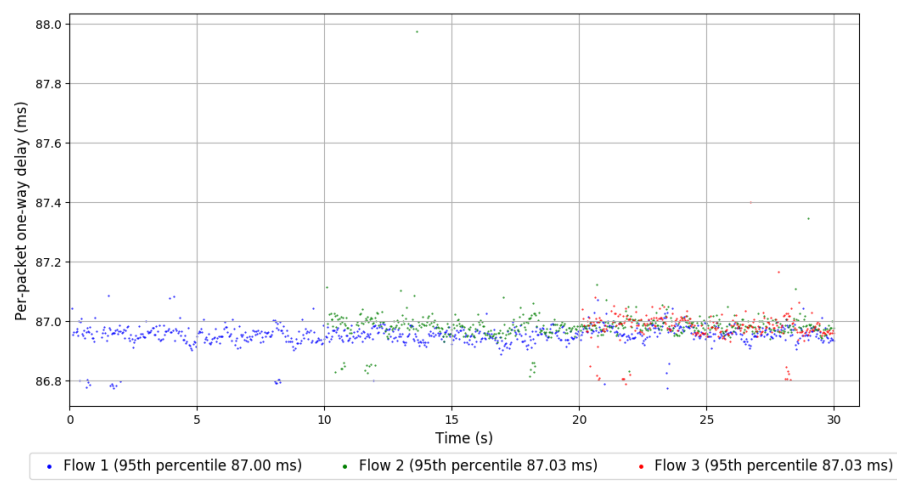
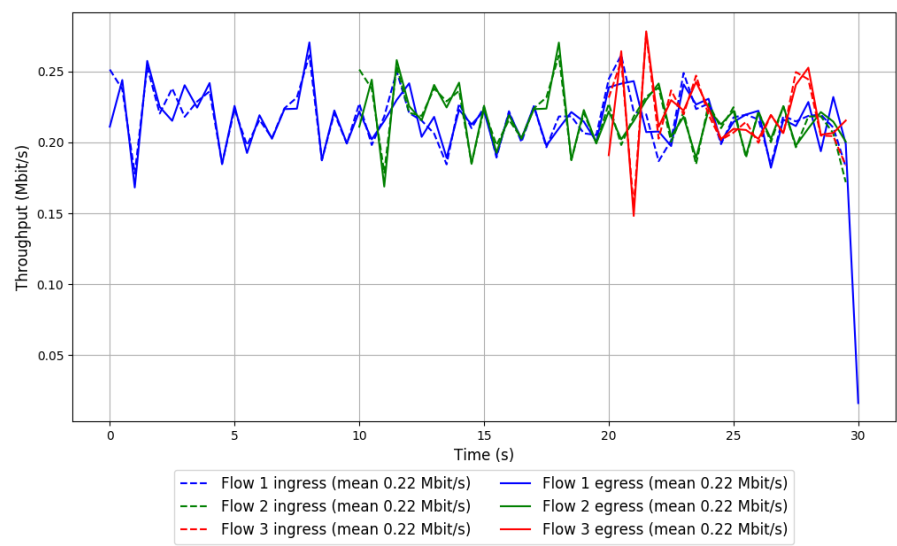


Run 3: Statistics of SReAM

Start at: 2018-02-20 14:39:40
End at: 2018-02-20 14:40:10
Local clock offset: -14.699 ms
Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.028 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 3: Report of SCReAM — Data Link

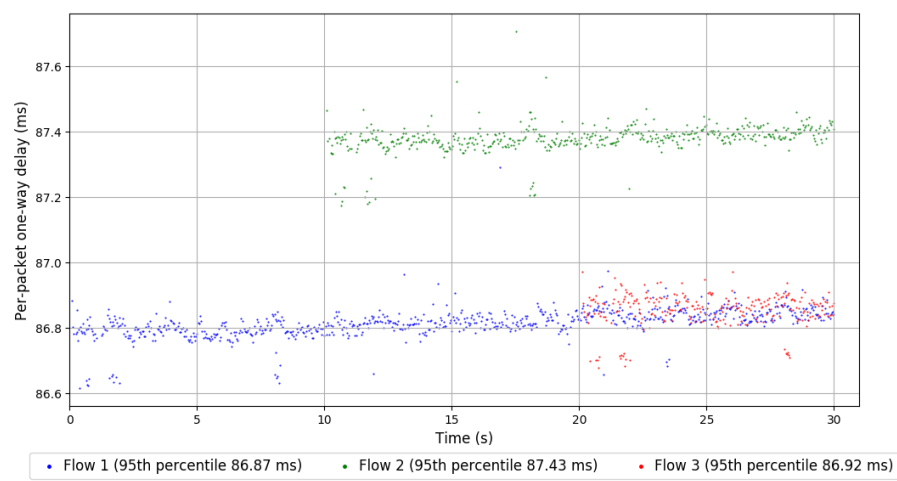
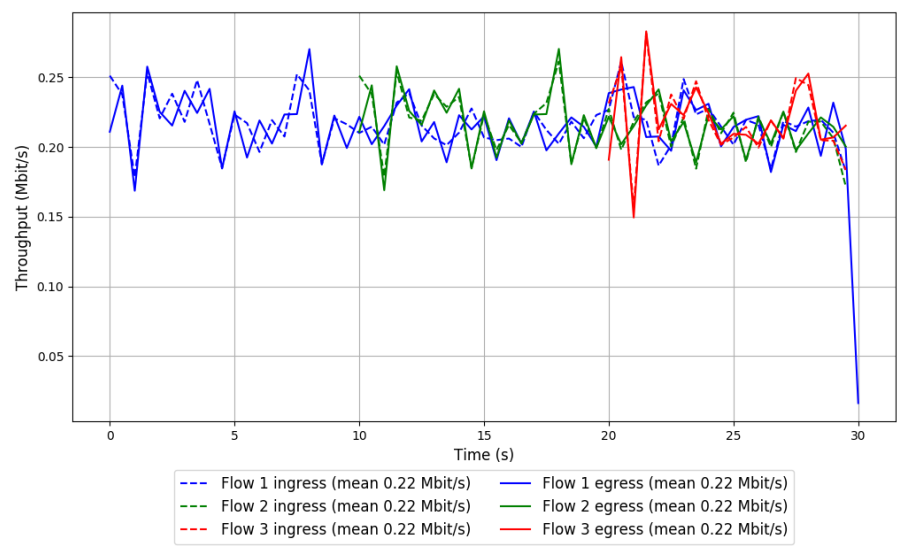


Run 4: Statistics of SReAM

Start at: 2018-02-20 15:03:09
End at: 2018-02-20 15:03:39
Local clock offset: -13.366 ms
Remote clock offset: 1.335 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

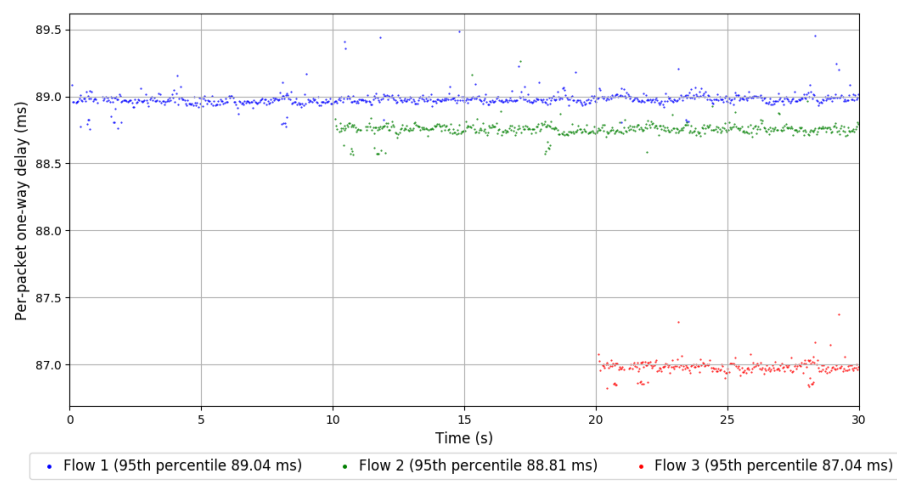
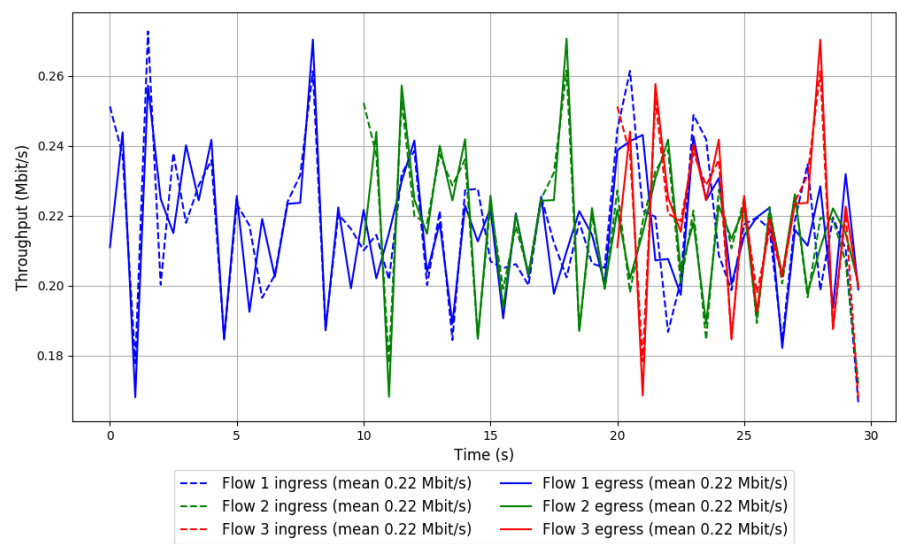


Run 5: Statistics of SReAM

Start at: 2018-02-20 15:26:56
End at: 2018-02-20 15:27:26
Local clock offset: -11.908 ms
Remote clock offset: 0.983 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 89.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.037 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-20 15:50:27

End at: 2018-02-20 15:50:57

Local clock offset: -3.416 ms

Remote clock offset: 1.551 ms

Below is generated by plot.py at 2018-02-20 18:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 89.523 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.541 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.791 ms

Loss rate: 0.00%

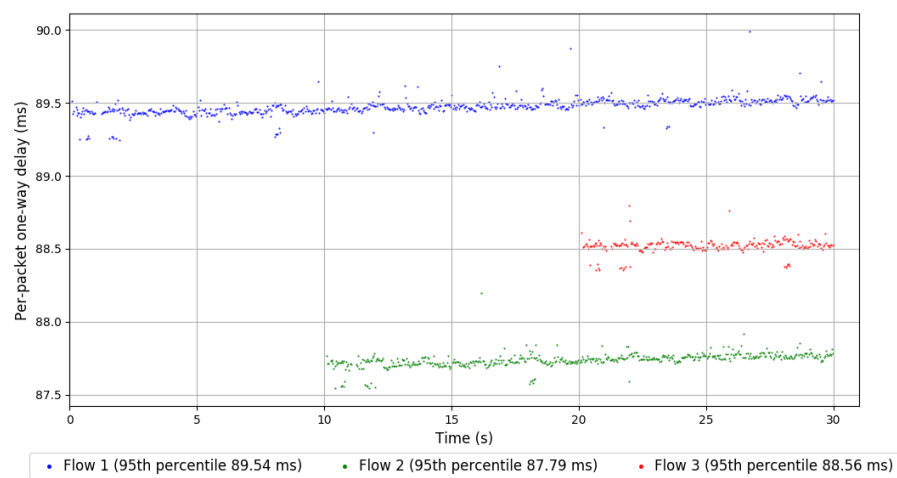
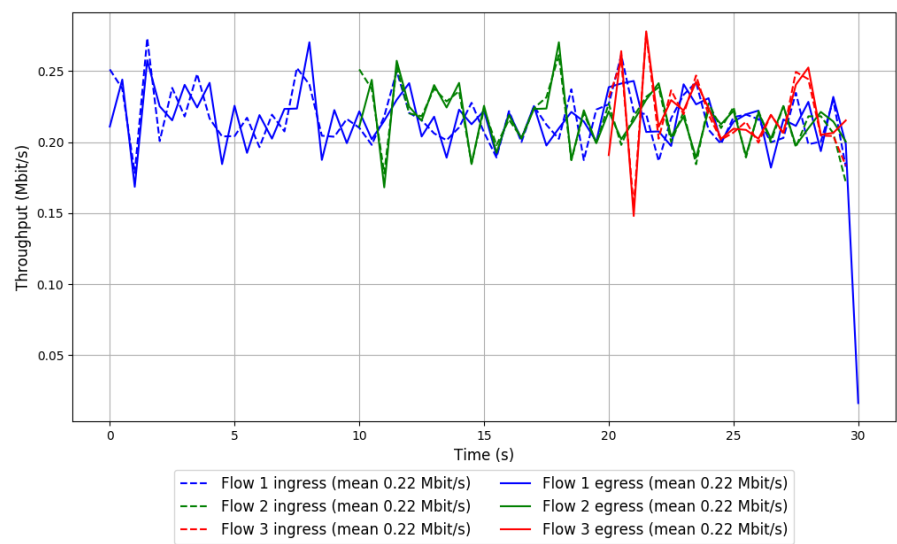
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.564 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

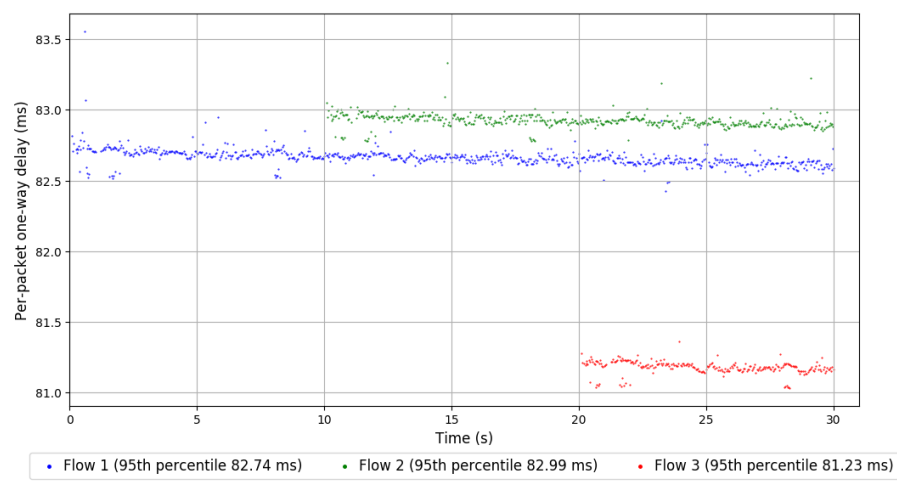
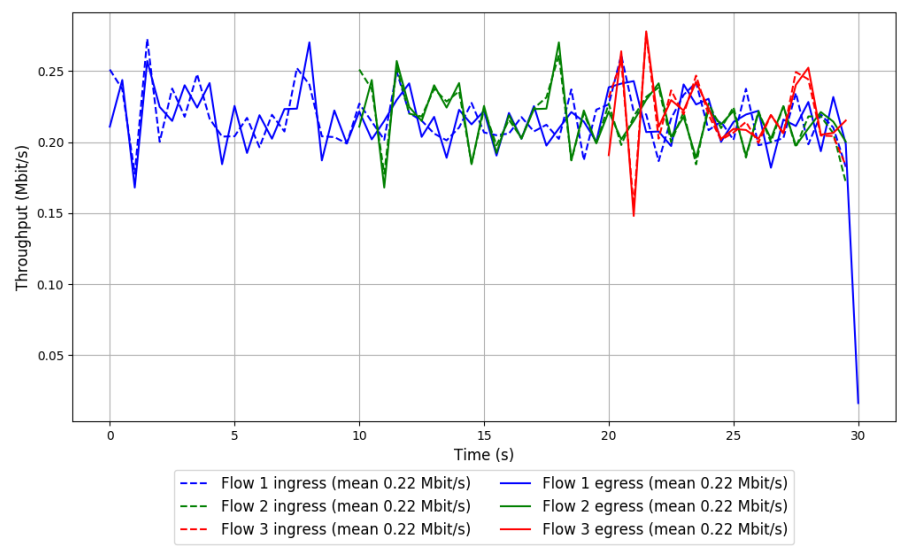


Run 7: Statistics of SReAM

Start at: 2018-02-20 16:14:18
End at: 2018-02-20 16:14:48
Local clock offset: -4.039 ms
Remote clock offset: -4.343 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.235 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

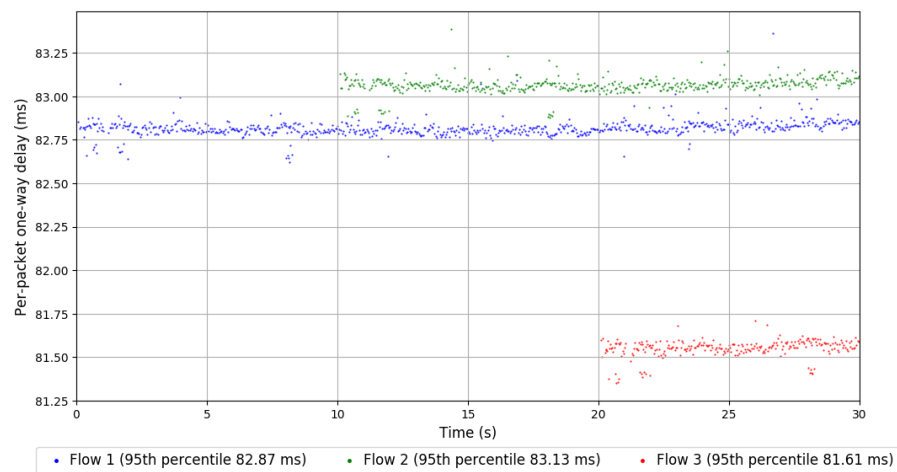
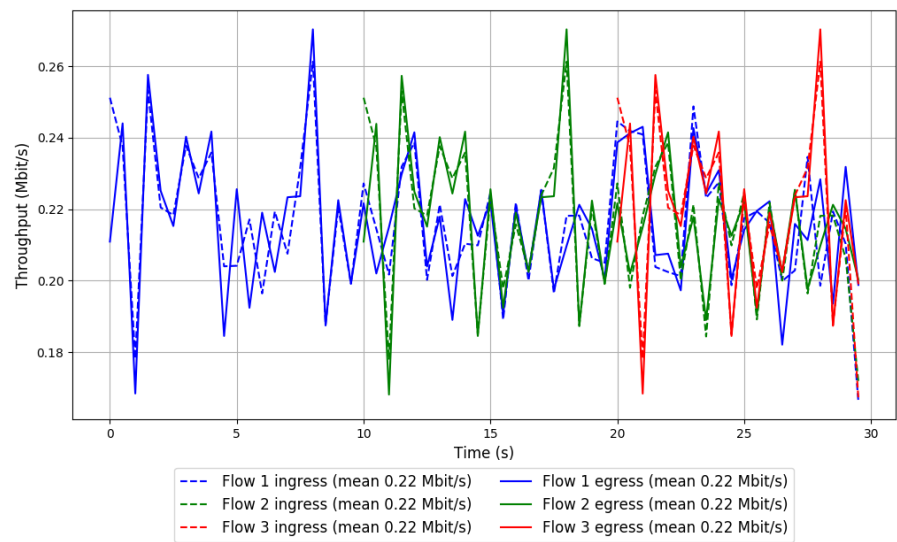


Run 8: Statistics of SReAM

Start at: 2018-02-20 16:37:51
End at: 2018-02-20 16:38:21
Local clock offset: -4.813 ms
Remote clock offset: -3.134 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.873 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.606 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

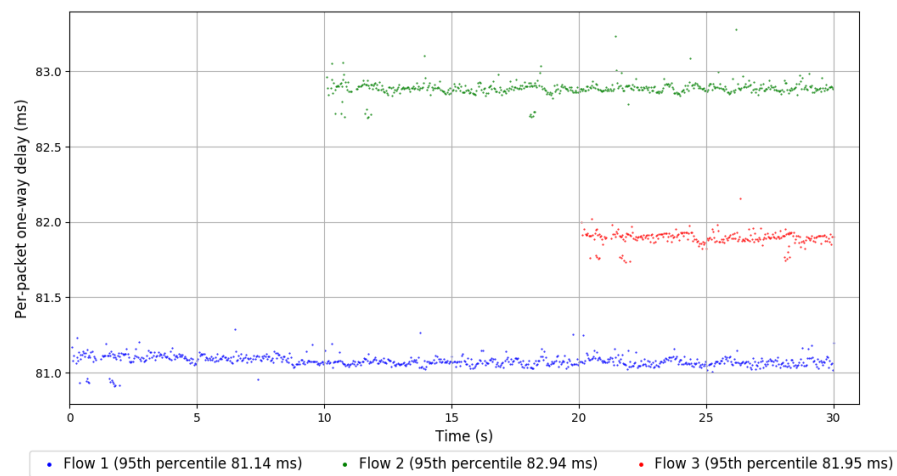
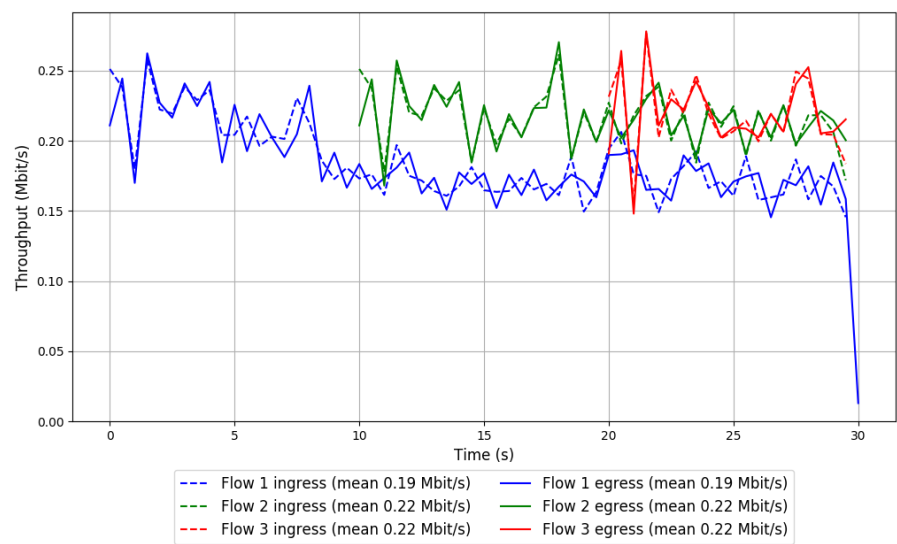


Run 9: Statistics of SReAM

Start at: 2018-02-20 17:01:38
End at: 2018-02-20 17:02:08
Local clock offset: -1.081 ms
Remote clock offset: -2.039 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 82.915 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 81.136 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.943 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.950 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

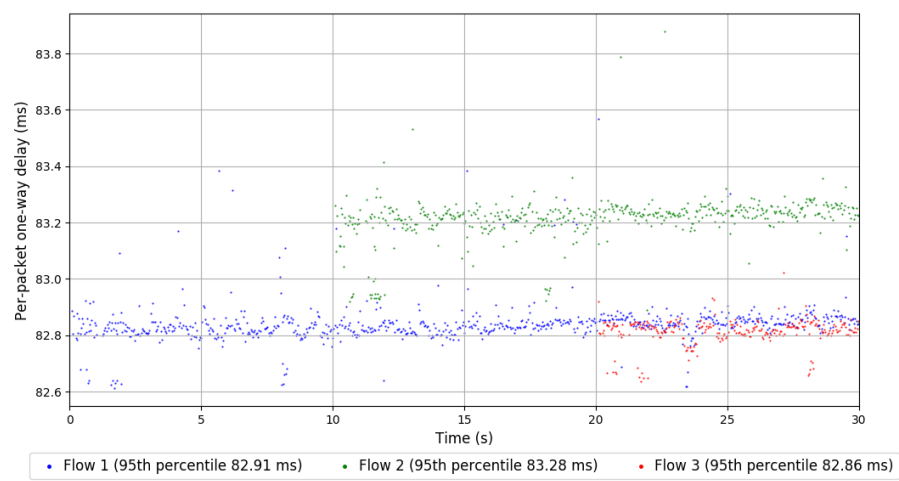
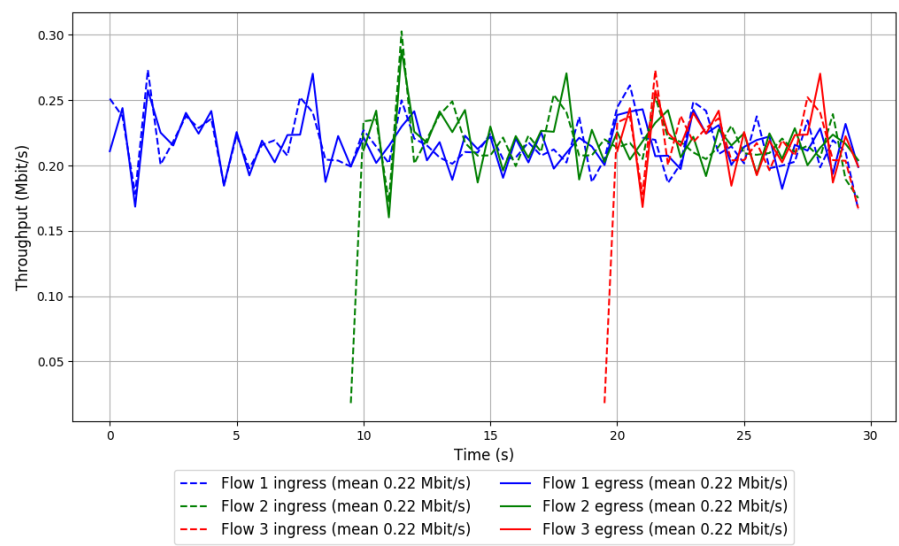


Run 10: Statistics of SReAM

Start at: 2018-02-20 17:25:11
End at: 2018-02-20 17:25:41
Local clock offset: 2.119 ms
Remote clock offset: -1.376 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.856 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

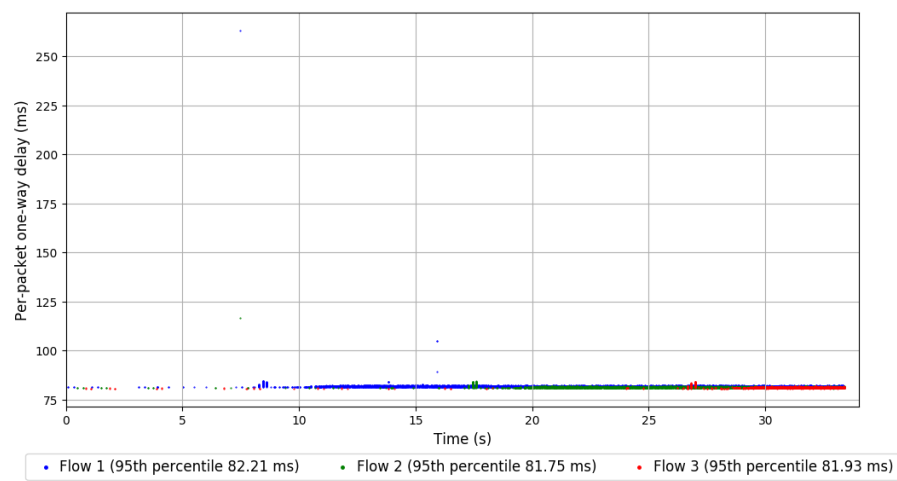
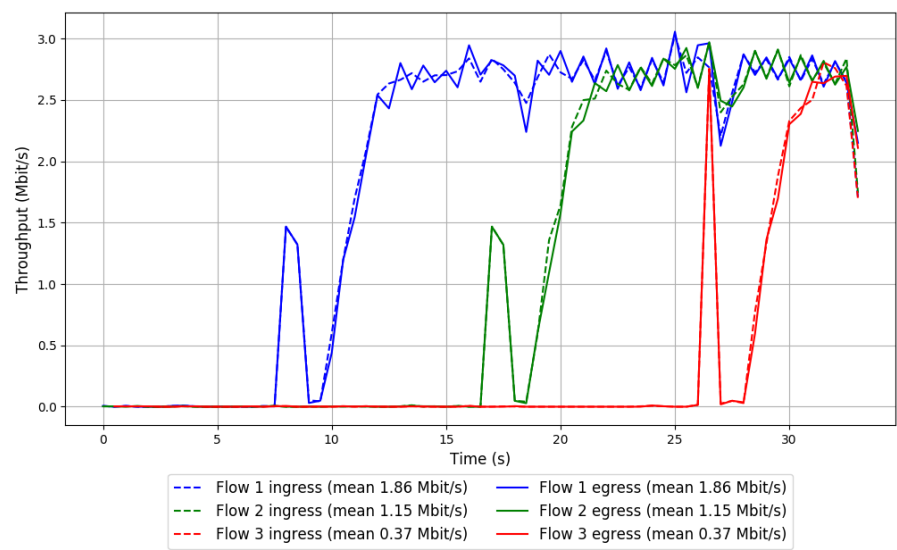


Run 1: Statistics of WebRTC media

Start at: 2018-02-20 13:41:56
End at: 2018-02-20 13:42:26
Local clock offset: -11.25 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 82.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 82.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 81.750 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 81.926 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

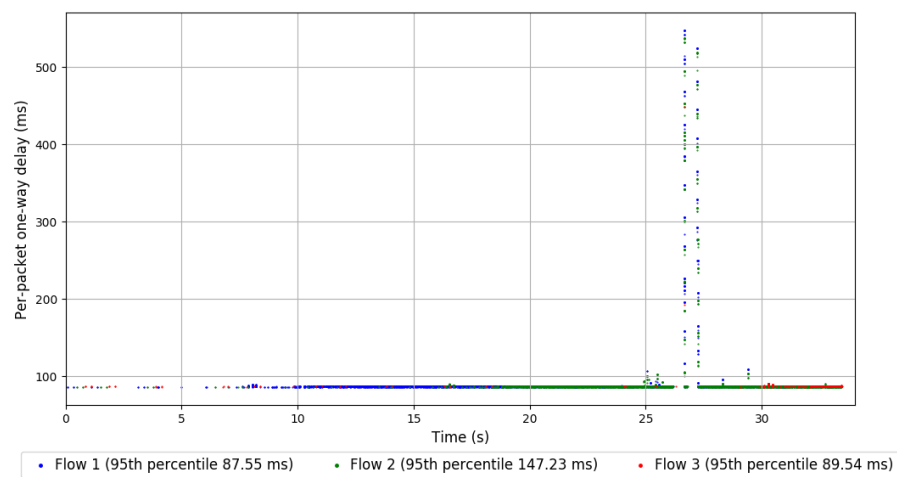
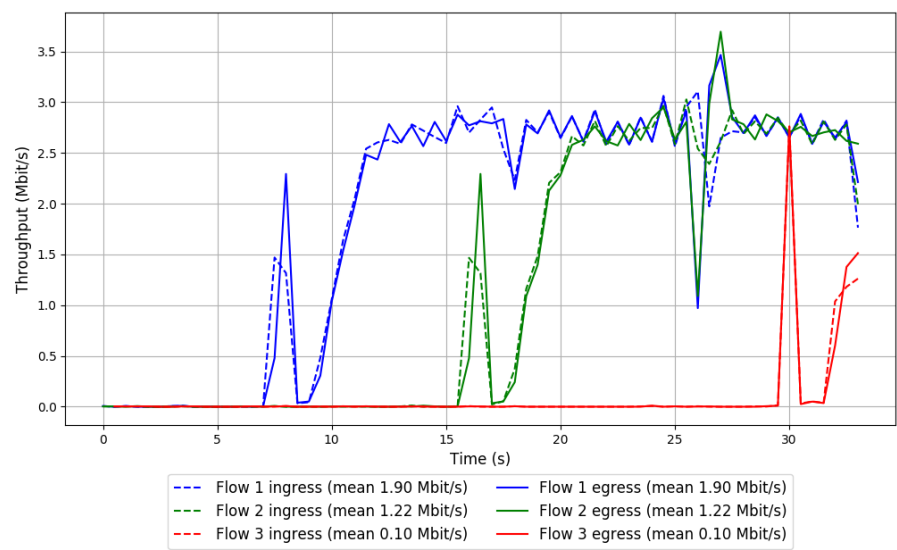


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 14:05:47
End at: 2018-02-20 14:06:17
Local clock offset: -14.976 ms
Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 90.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 87.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 147.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 89.543 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

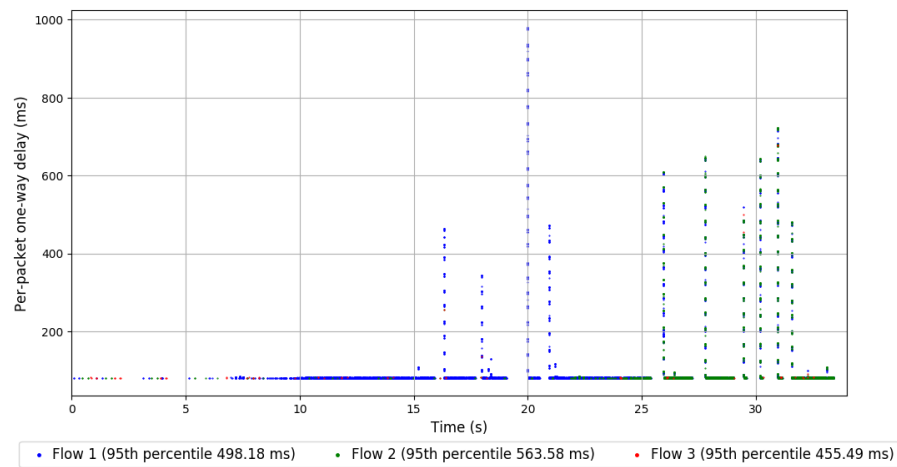
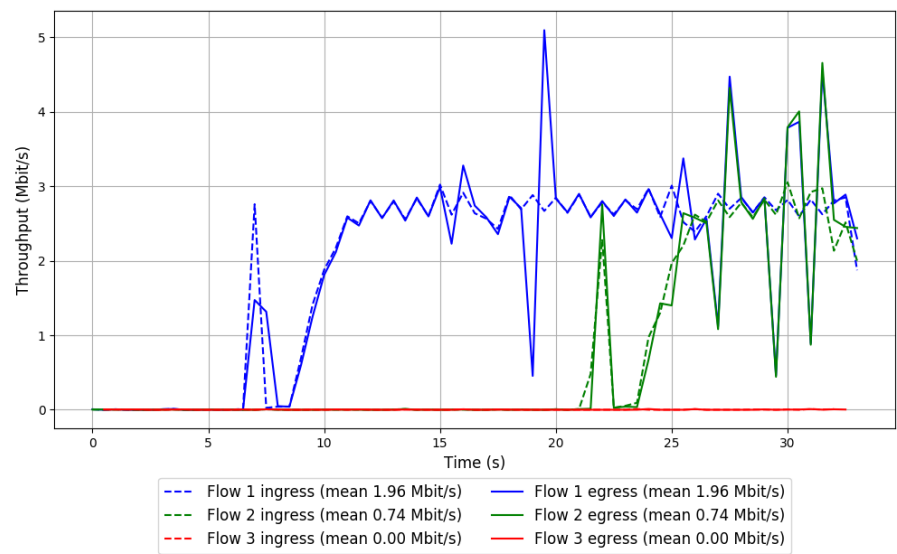


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 14:29:20
End at: 2018-02-20 14:29:50
Local clock offset: -15.09 ms
Remote clock offset: -4.519 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 523.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 498.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 563.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 455.492 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

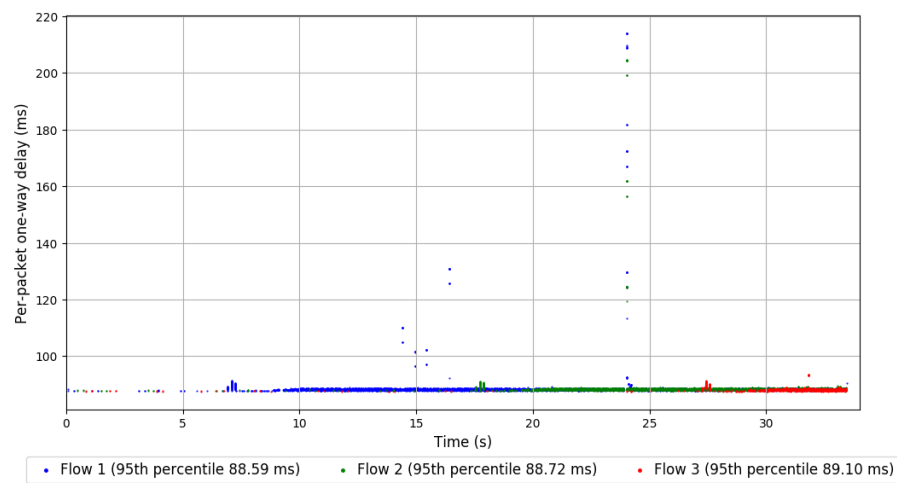
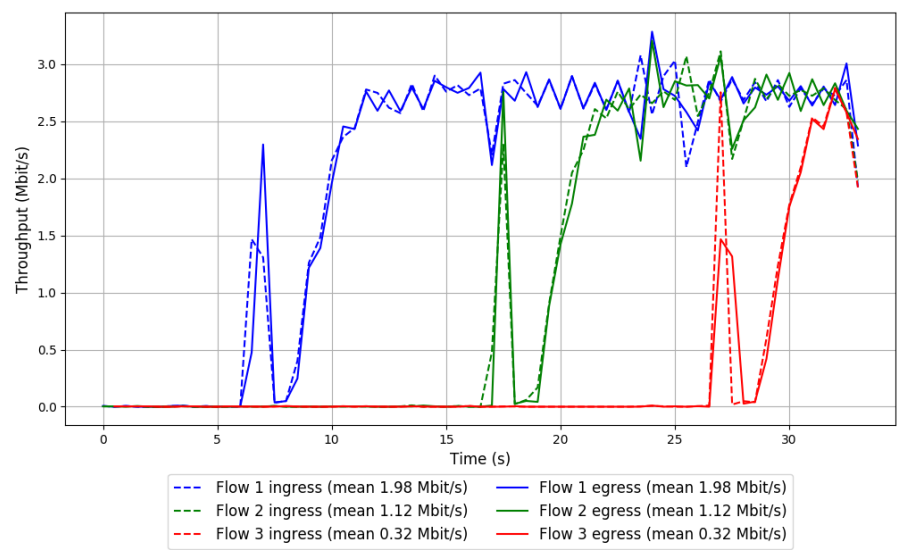


Run 4: Statistics of WebRTC media

Start at: 2018-02-20 14:52:50
End at: 2018-02-20 14:53:20
Local clock offset: -14.743 ms
Remote clock offset: 2.07 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 88.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 88.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 88.716 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 89.102 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

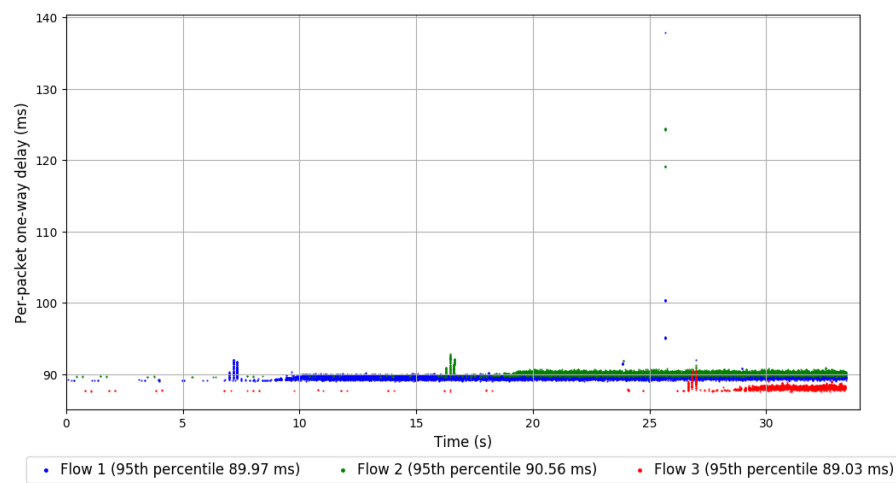
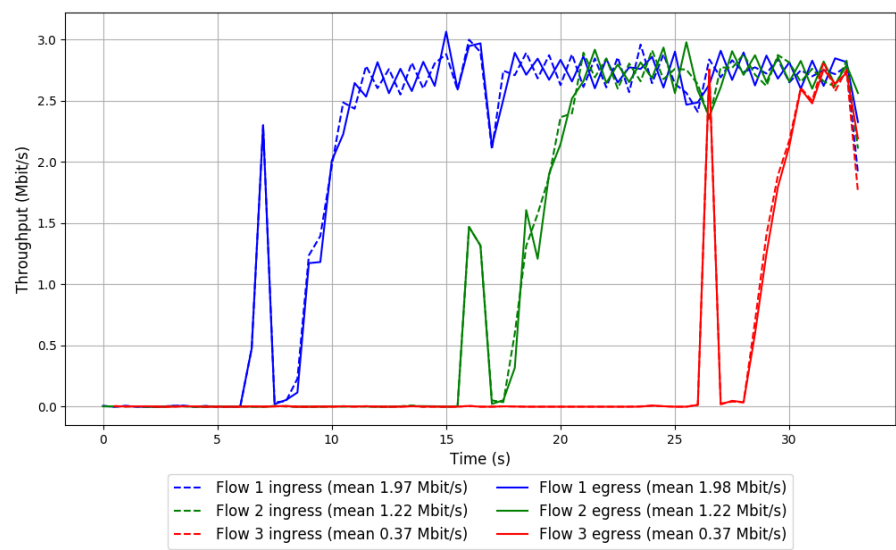


Run 5: Statistics of WebRTC media

Start at: 2018-02-20 15:16:36
End at: 2018-02-20 15:17:06
Local clock offset: -12.246 ms
Remote clock offset: 2.106 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 90.434 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 89.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 90.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 89.031 ms
Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

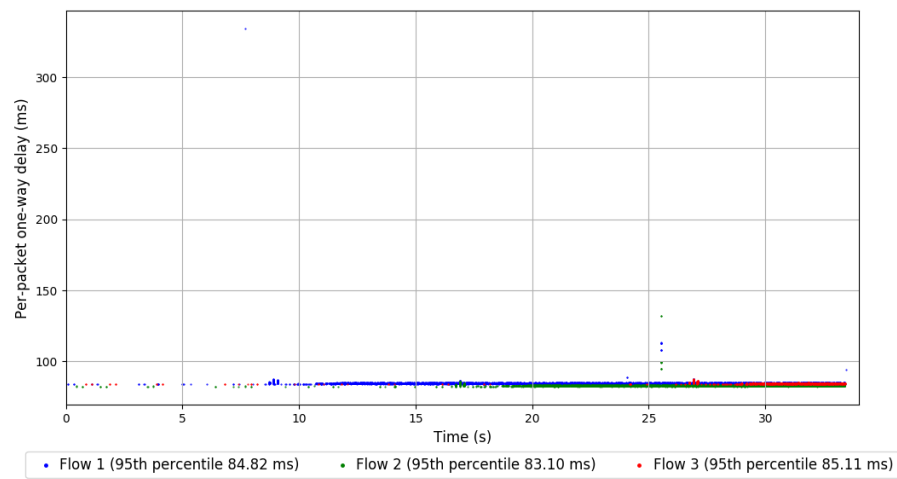
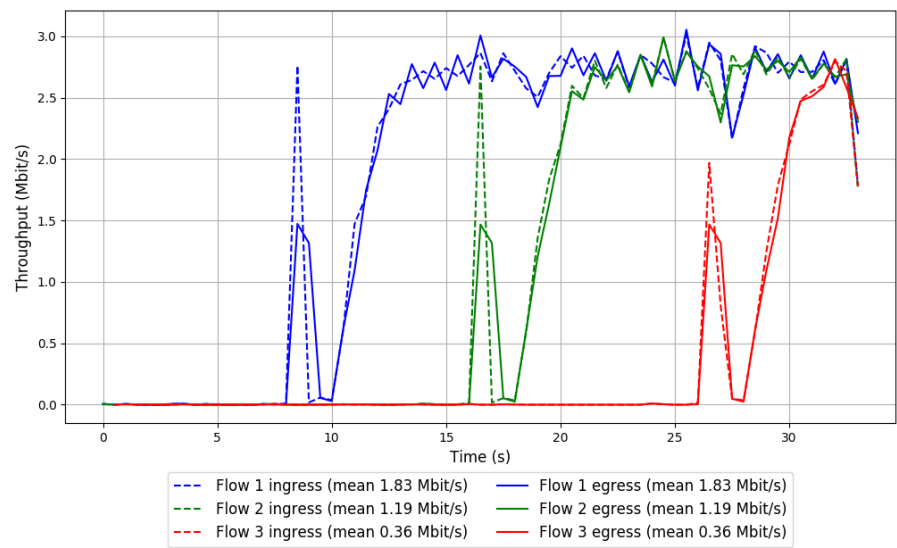


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 15:40:05
End at: 2018-02-20 15:40:35
Local clock offset: -6.236 ms
Remote clock offset: -4.066 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 84.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 84.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 83.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 85.105 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-20 16:03:56

End at: 2018-02-20 16:04:26

Local clock offset: -1.275 ms

Remote clock offset: 0.791 ms

Below is generated by plot.py at 2018-02-20 18:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 89.192 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 87.297 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 89.340 ms

Loss rate: 0.07%

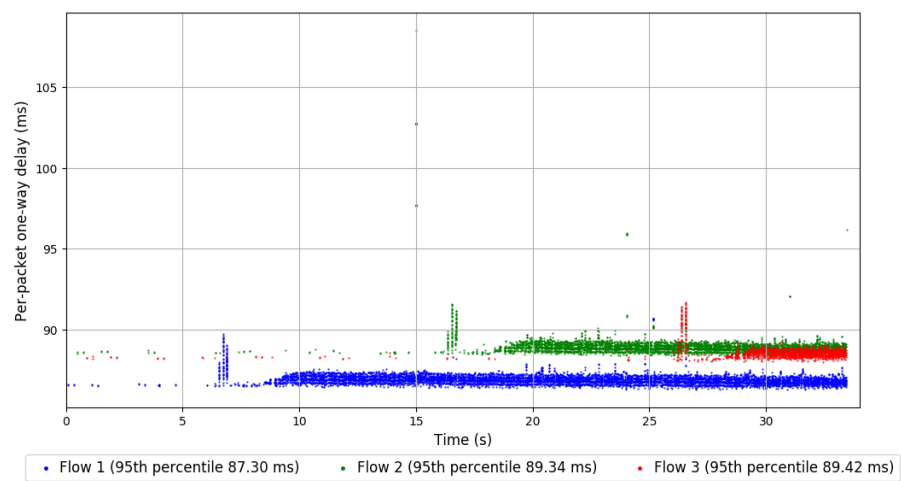
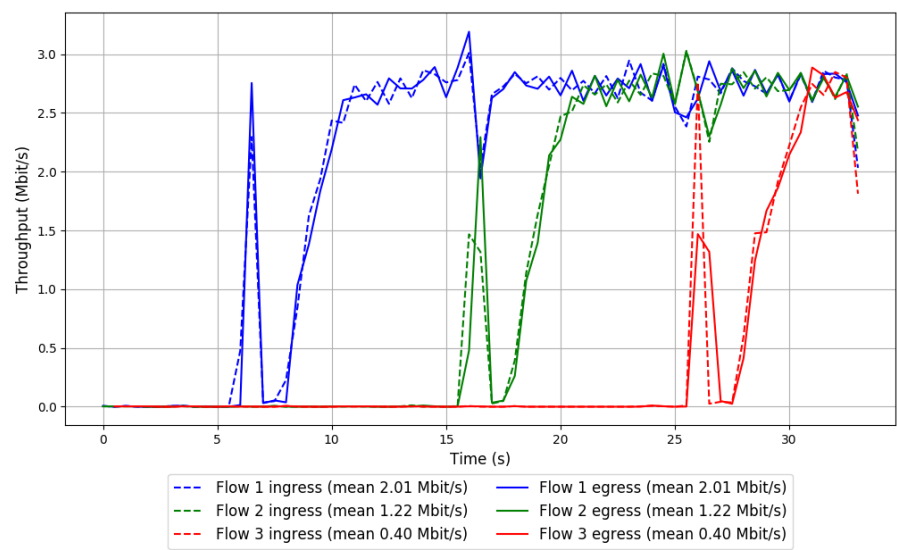
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 89.422 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-20 16:27:29

End at: 2018-02-20 16:27:59

Local clock offset: -4.851 ms

Remote clock offset: 1.93 ms

Below is generated by plot.py at 2018-02-20 18:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 89.086 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 87.449 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 89.442 ms

Loss rate: 0.00%

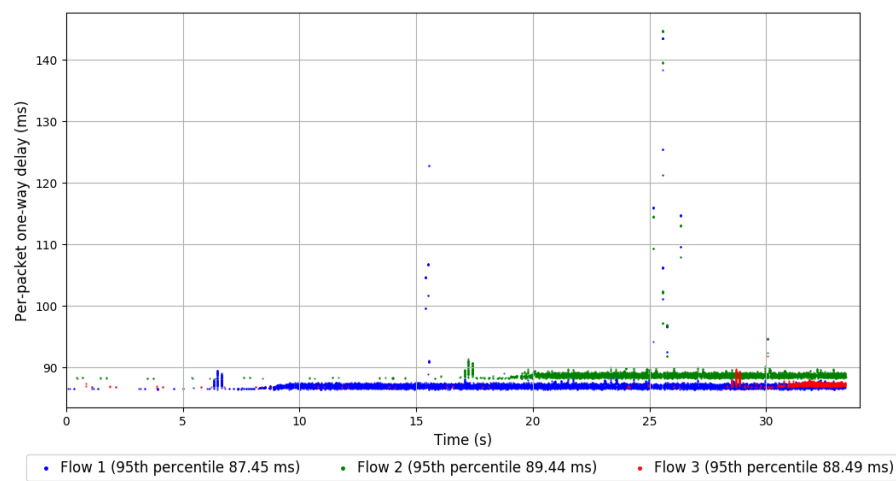
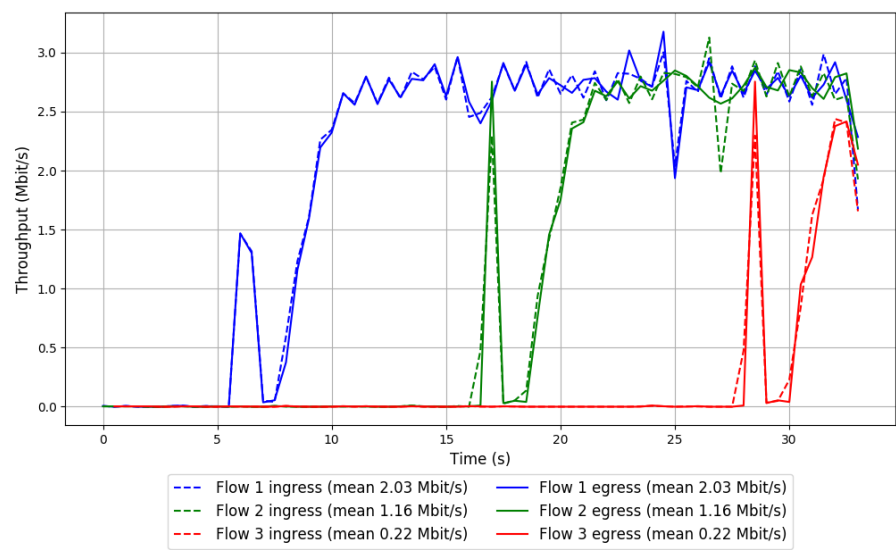
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.494 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

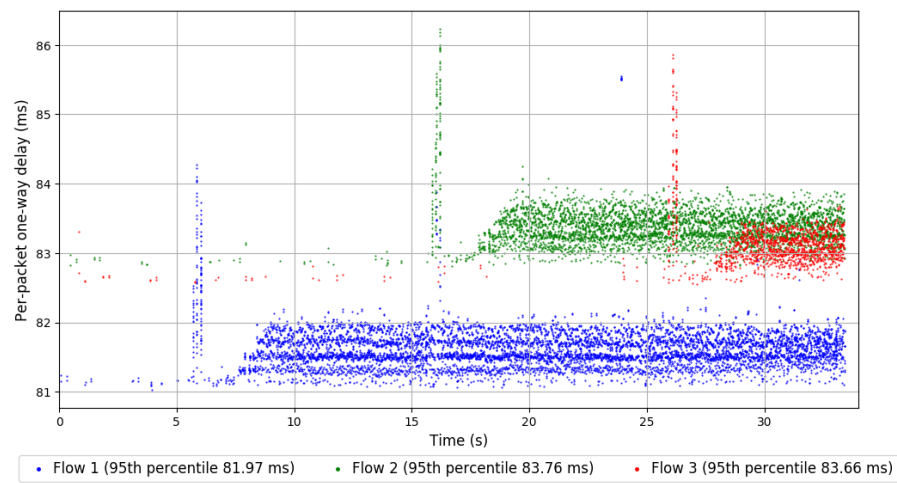
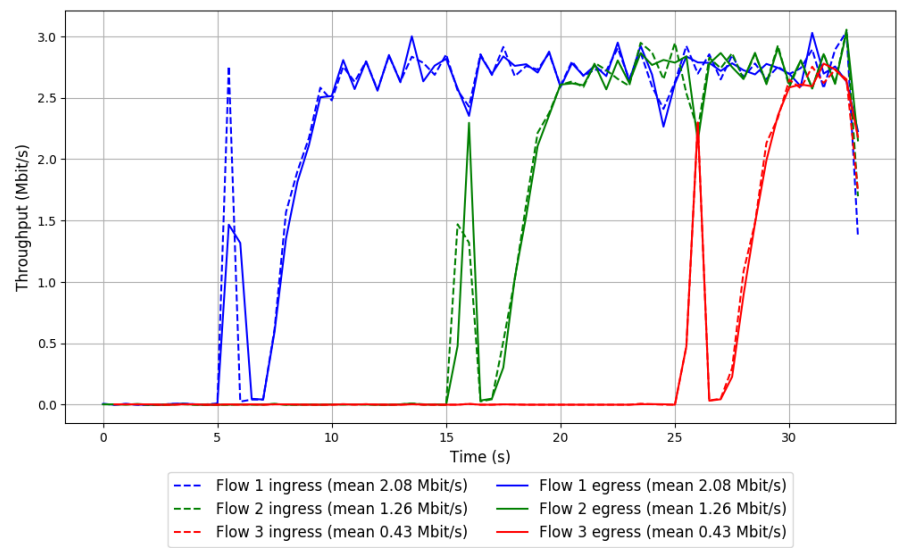


Run 9: Statistics of WebRTC media

Start at: 2018-02-20 16:51:18
End at: 2018-02-20 16:51:48
Local clock offset: -2.075 ms
Remote clock offset: -2.593 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 83.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 81.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 83.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 83.658 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

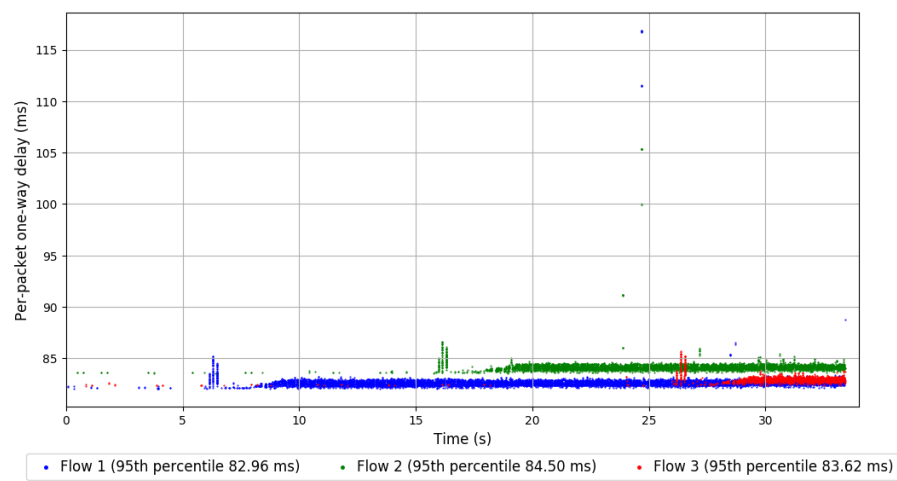
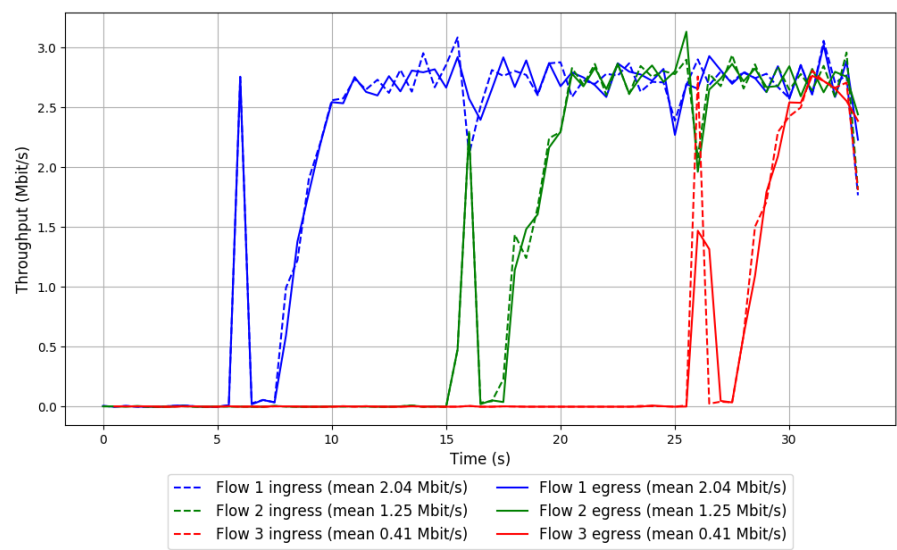


Run 10: Statistics of WebRTC media

Start at: 2018-02-20 17:14:47
End at: 2018-02-20 17:15:17
Local clock offset: 0.254 ms
Remote clock offset: -0.697 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 84.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 82.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 84.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 83.625 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

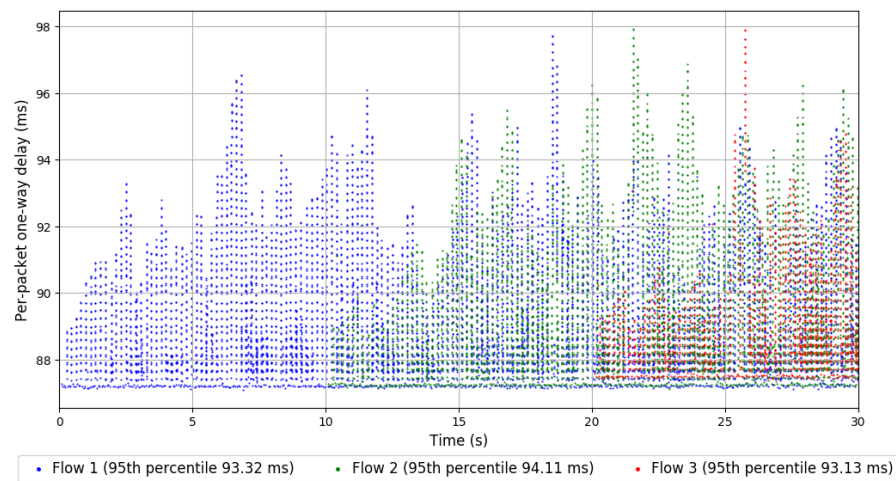
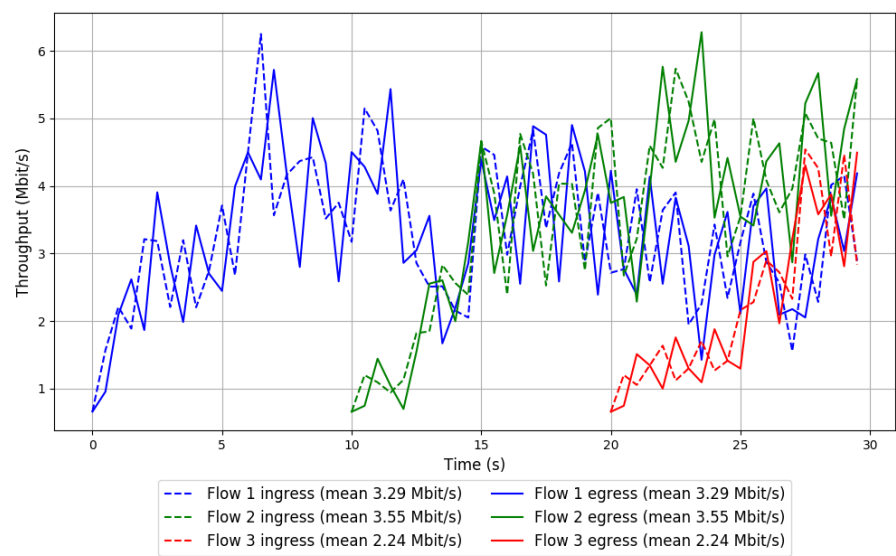


Run 1: Statistics of Sprout

Start at: 2018-02-20 13:45:48
End at: 2018-02-20 13:46:18
Local clock offset: -11.141 ms
Remote clock offset: 1.504 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 93.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 93.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 94.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 93.128 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

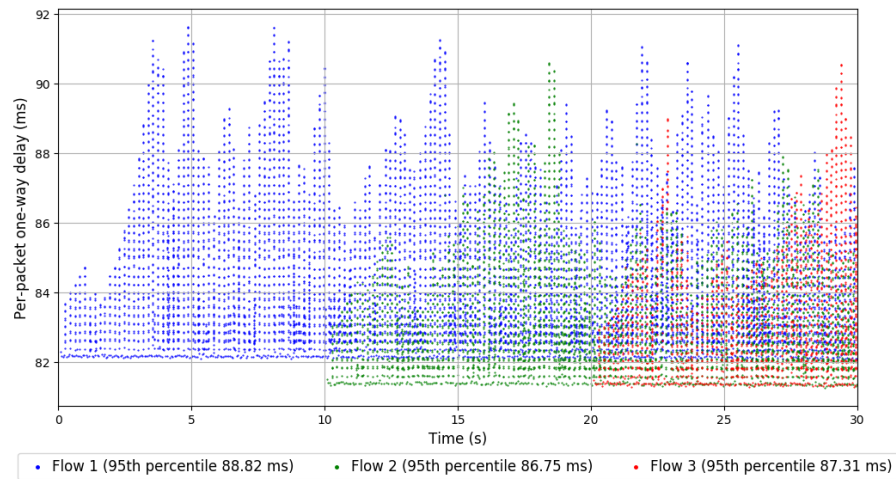
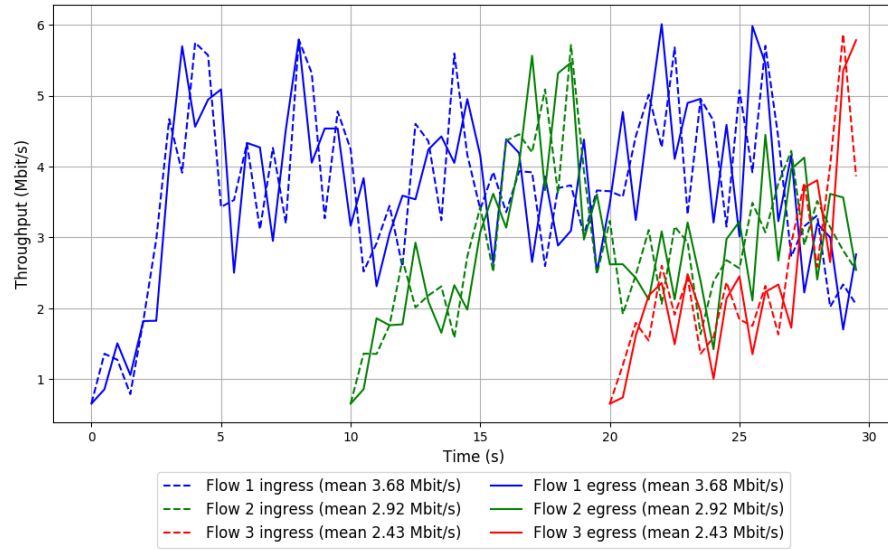


Run 2: Statistics of Sprout

Start at: 2018-02-20 14:09:37
End at: 2018-02-20 14:10:07
Local clock offset: -15.332 ms
Remote clock offset: -3.707 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 88.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 88.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 87.315 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

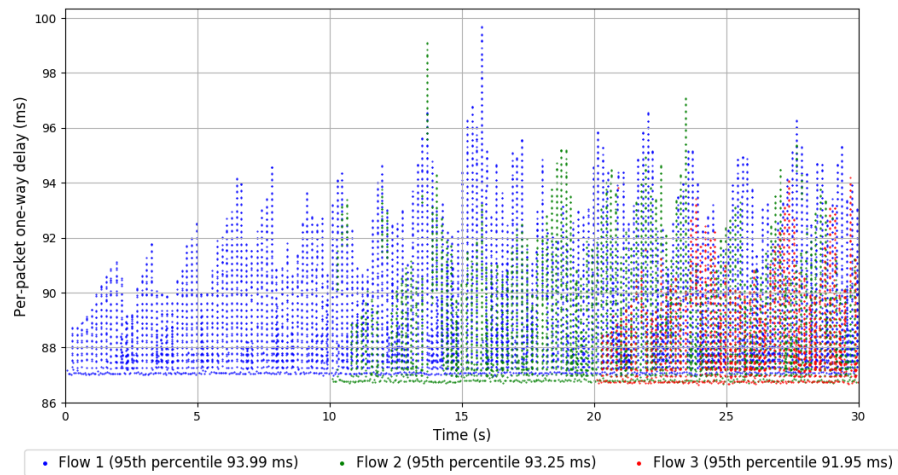
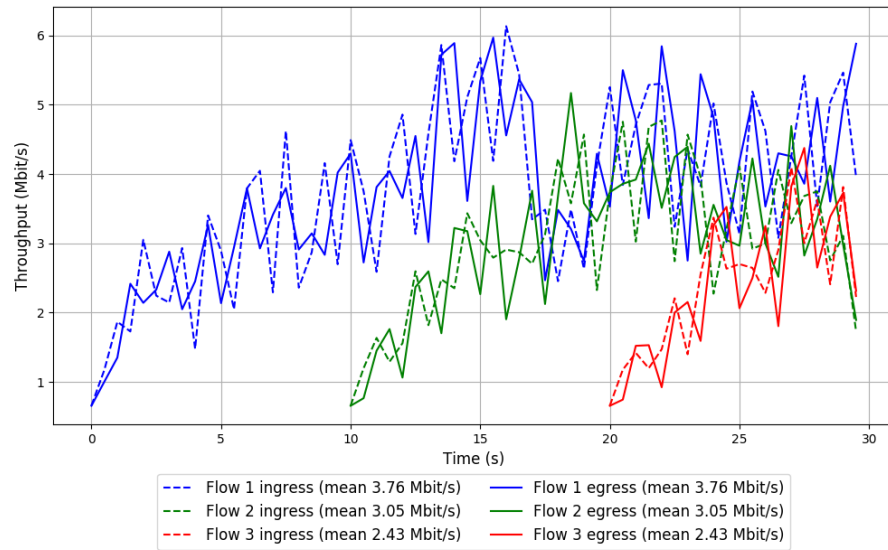


Run 3: Statistics of Sprout

Start at: 2018-02-20 14:33:09
End at: 2018-02-20 14:33:39
Local clock offset: -14.858 ms
Remote clock offset: 1.158 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 93.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 93.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 93.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 91.948 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

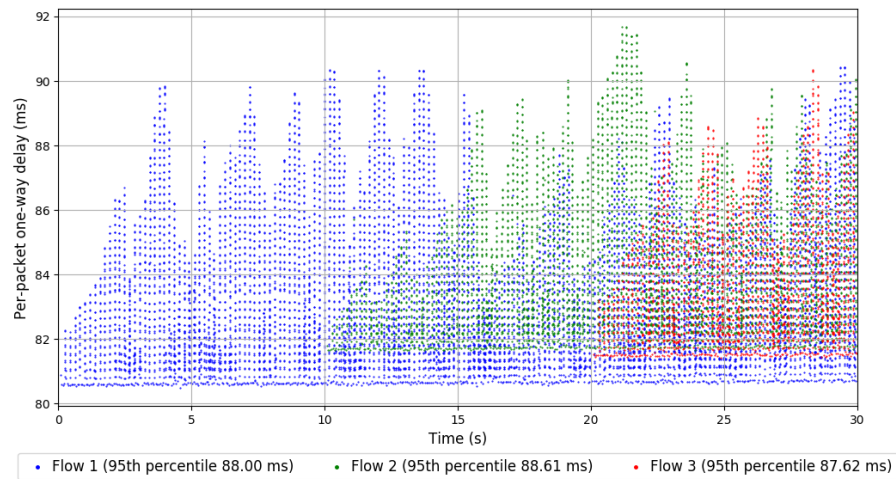
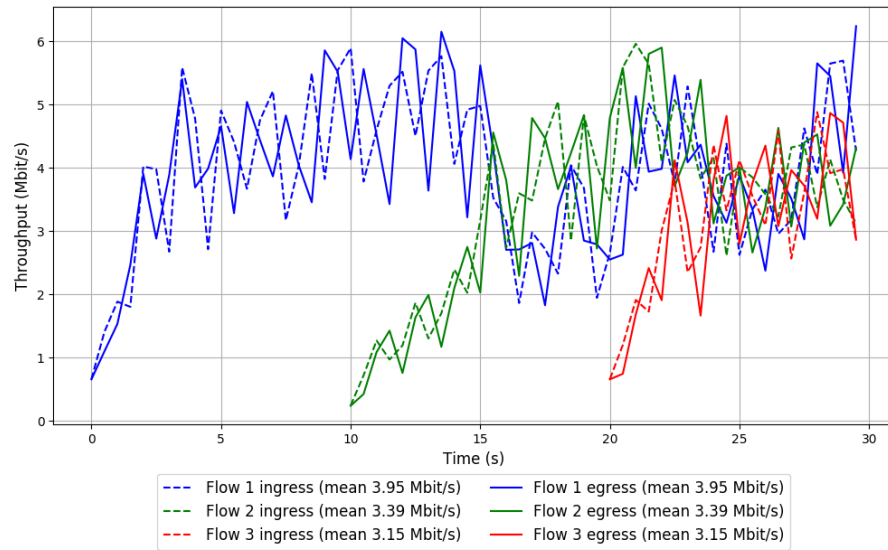


Run 4: Statistics of Sprout

Start at: 2018-02-20 14:56:39
End at: 2018-02-20 14:57:09
Local clock offset: -14.629 ms
Remote clock offset: -4.417 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 88.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 88.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 88.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 87.618 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

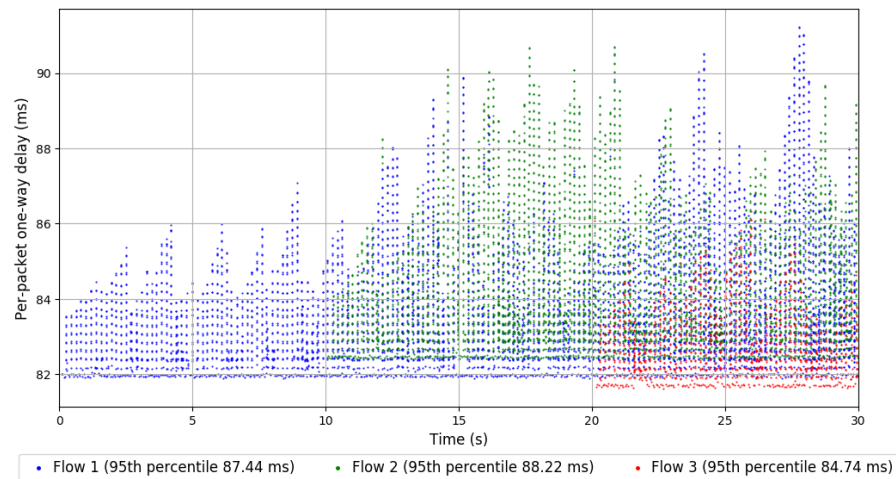
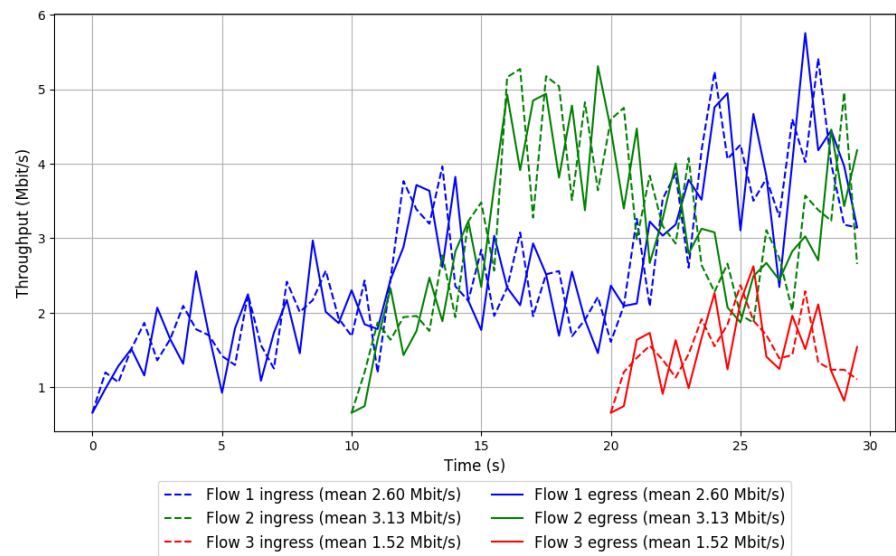


Run 5: Statistics of Sprout

Start at: 2018-02-20 15:20:26
End at: 2018-02-20 15:20:56
Local clock offset: -12.098 ms
Remote clock offset: -3.733 ms

Below is generated by plot.py at 2018-02-20 18:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 87.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 87.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 88.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 84.737 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

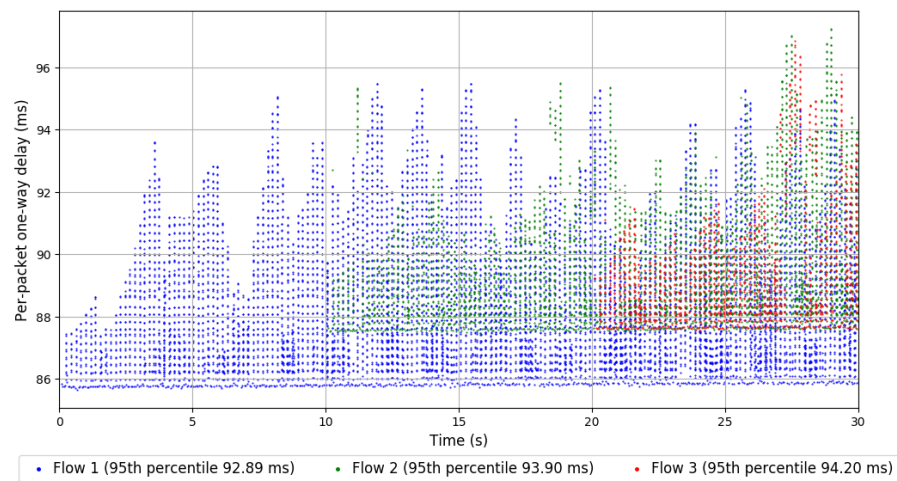
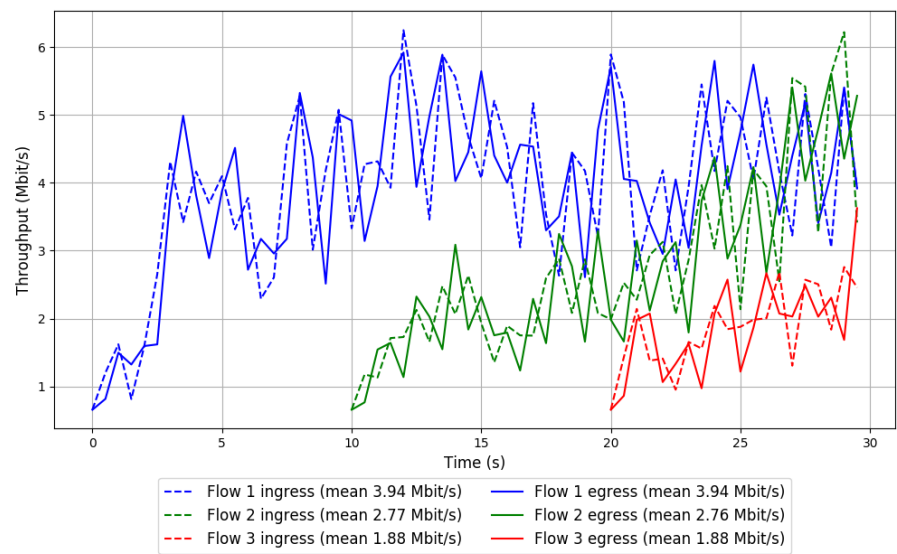


Run 6: Statistics of Sprout

Start at: 2018-02-20 15:43:54
End at: 2018-02-20 15:44:25
Local clock offset: -4.915 ms
Remote clock offset: -0.082 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 93.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 92.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 93.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 94.200 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

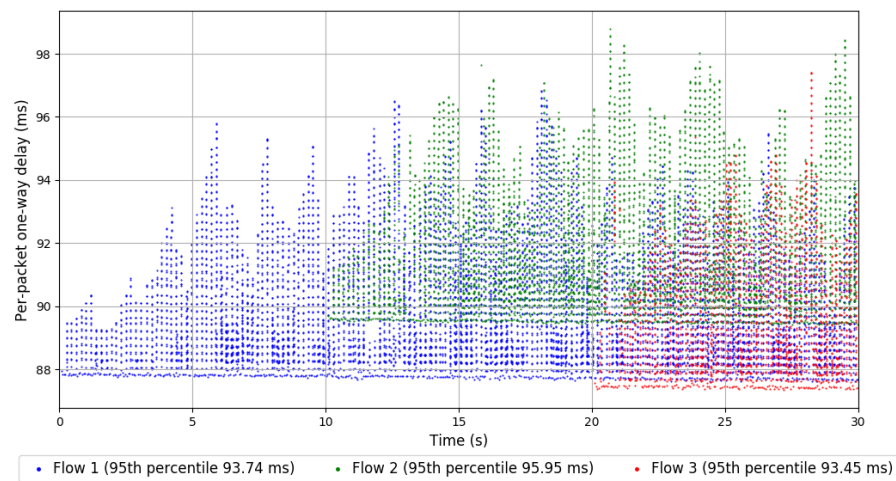
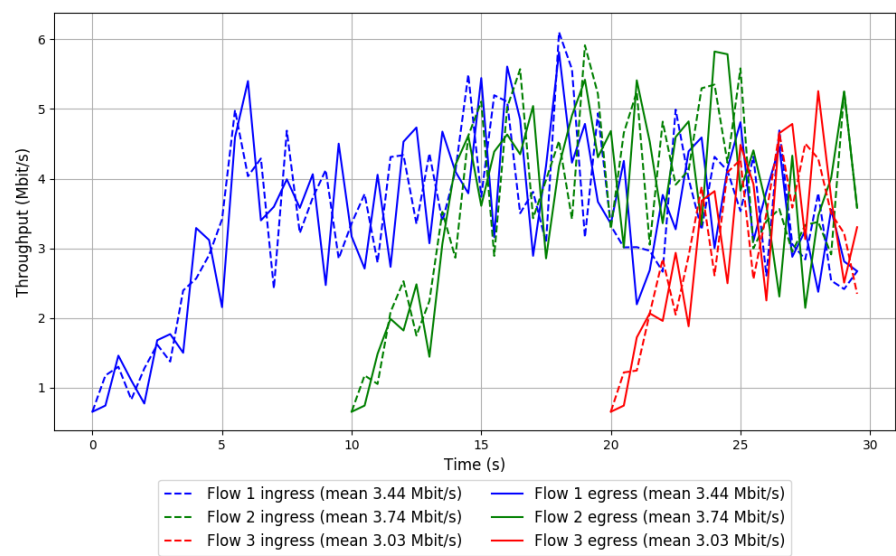


Run 7: Statistics of Sprout

Start at: 2018-02-20 16:07:47
End at: 2018-02-20 16:08:17
Local clock offset: -2.629 ms
Remote clock offset: 1.904 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 94.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 93.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 95.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 93.448 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

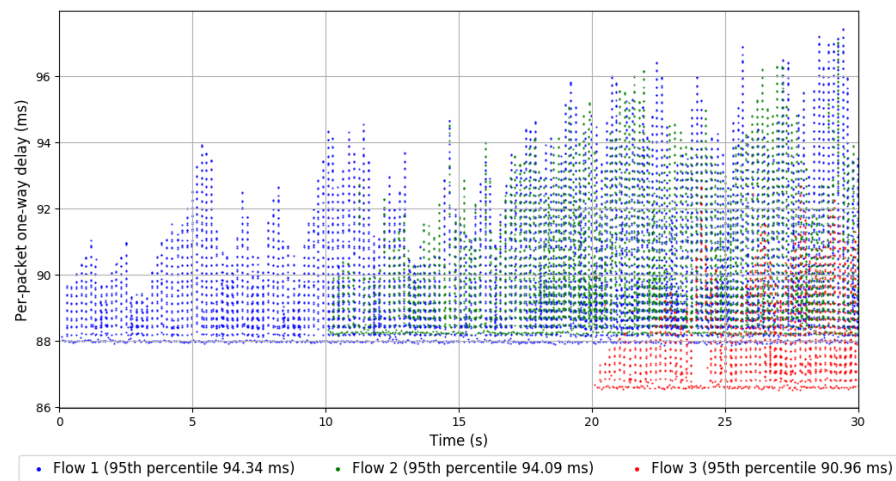
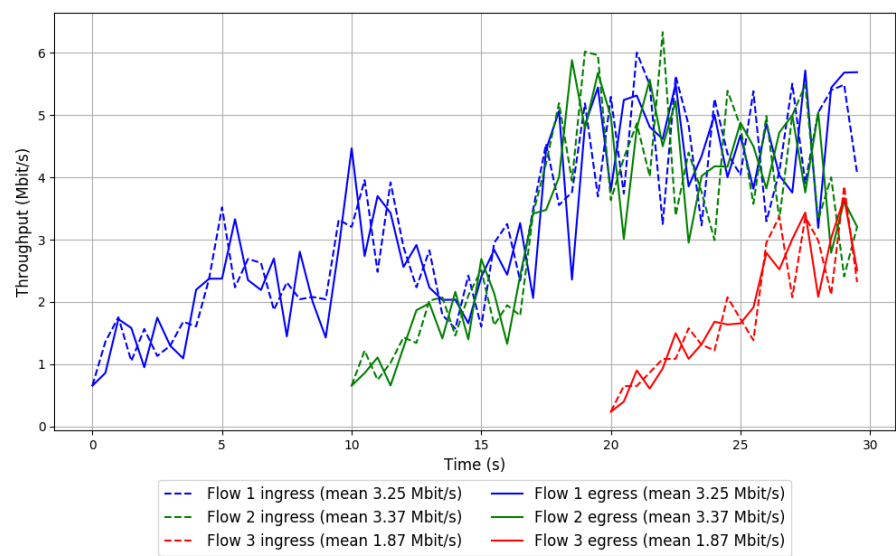


Run 8: Statistics of Sprout

Start at: 2018-02-20 16:31:19
End at: 2018-02-20 16:31:49
Local clock offset: -4.953 ms
Remote clock offset: 2.17 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 94.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 94.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 94.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 90.962 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

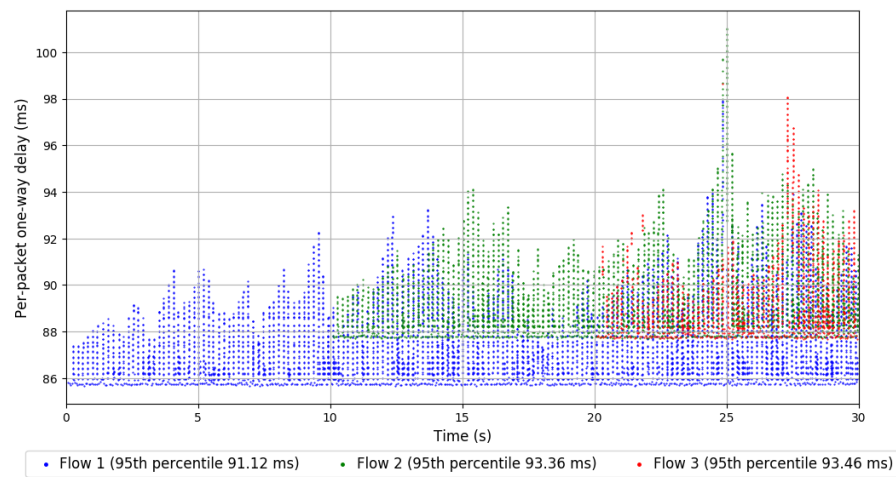
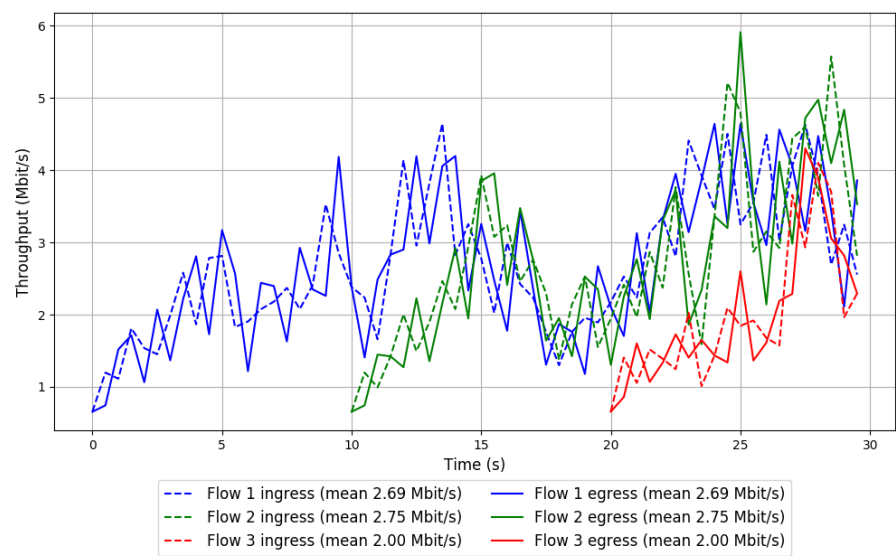


Run 9: Statistics of Sprout

Start at: 2018-02-20 16:55:07
End at: 2018-02-20 16:55:37
Local clock offset: -1.631 ms
Remote clock offset: 2.509 ms

```
# Below is generated by plot.py at 2018-02-20 18:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 92.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 91.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 93.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 93.460 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-20 17:18:40

End at: 2018-02-20 17:19:10

Local clock offset: 1.075 ms

Remote clock offset: 4.37 ms

Below is generated by plot.py at 2018-02-20 18:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 94.237 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 94.609 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 92.961 ms

Loss rate: 0.00%

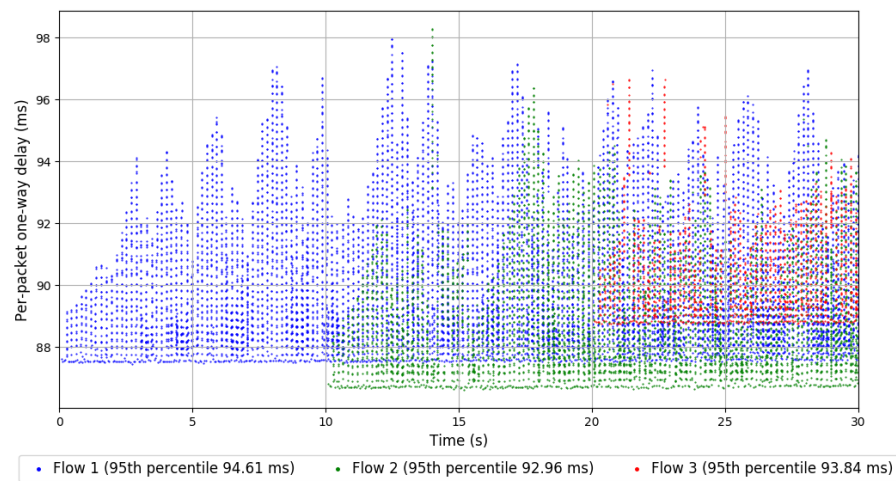
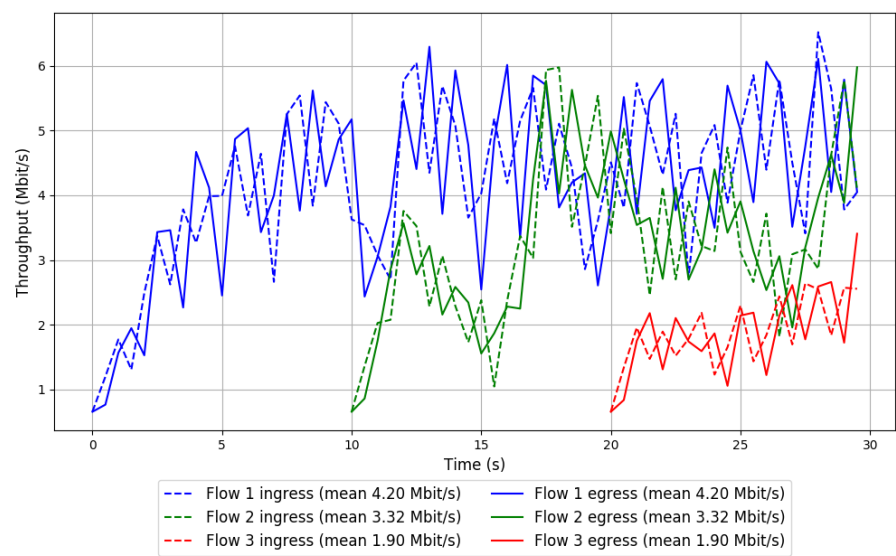
-- Flow 3:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 93.843 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

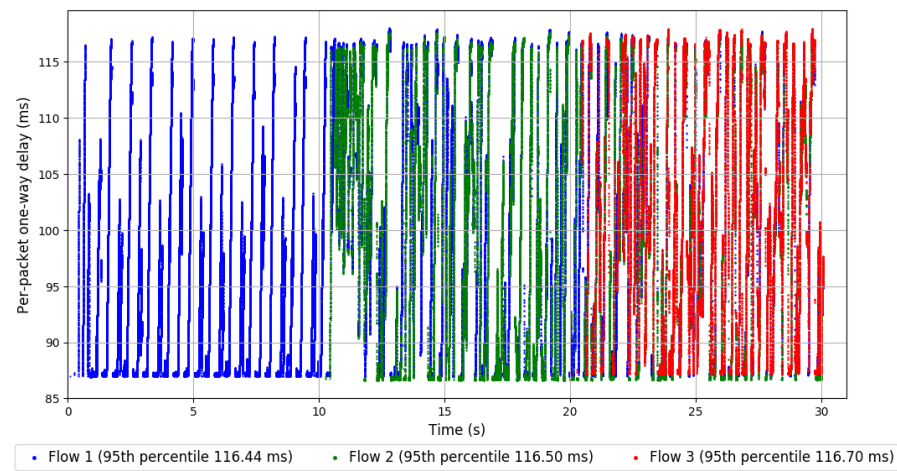
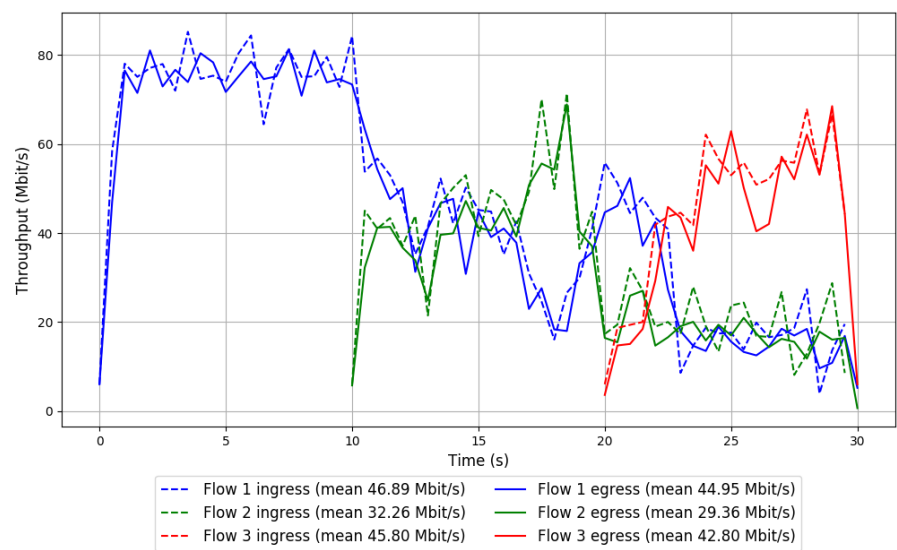


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 13:40:34
End at: 2018-02-20 13:41:04
Local clock offset: -11.305 ms
Remote clock offset: 1.492 ms

# Below is generated by plot.py at 2018-02-20 18:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 116.506 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 116.435 ms
Loss rate: 4.11%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 116.500 ms
Loss rate: 8.98%
-- Flow 3:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 116.702 ms
Loss rate: 6.46%
```


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

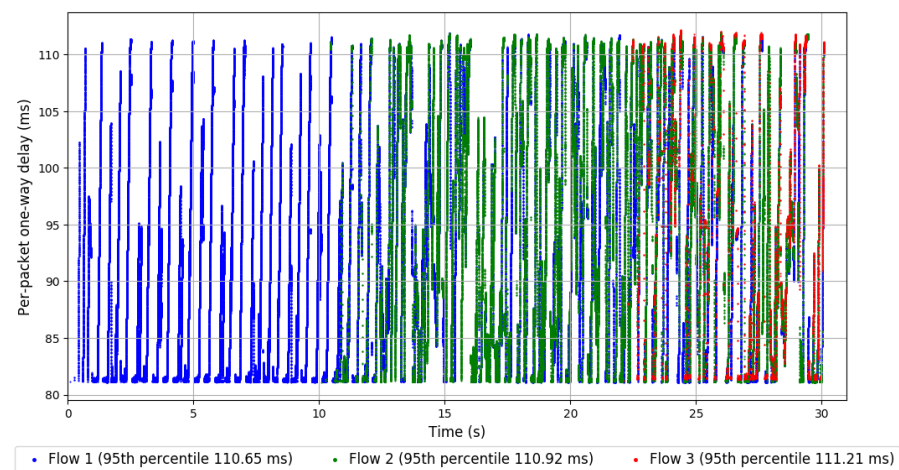
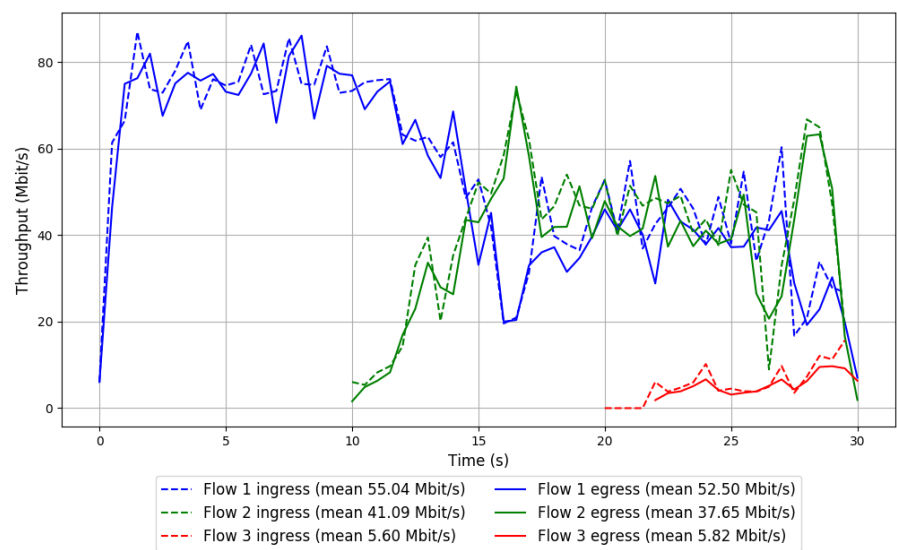


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 14:04:25
End at: 2018-02-20 14:04:55
Local clock offset: -14.821 ms
Remote clock offset: -4.573 ms

Below is generated by plot.py at 2018-02-20 18:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 110.764 ms
Loss rate: 6.00%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 110.652 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 110.920 ms
Loss rate: 8.25%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 16.80%

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

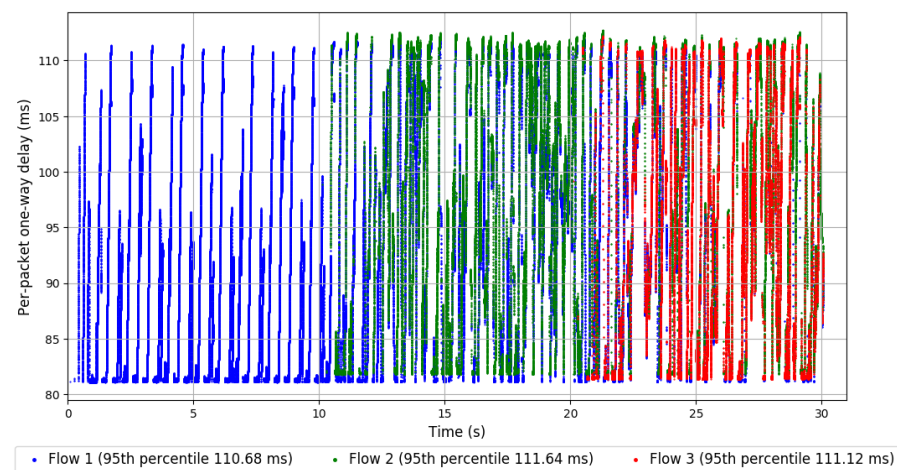
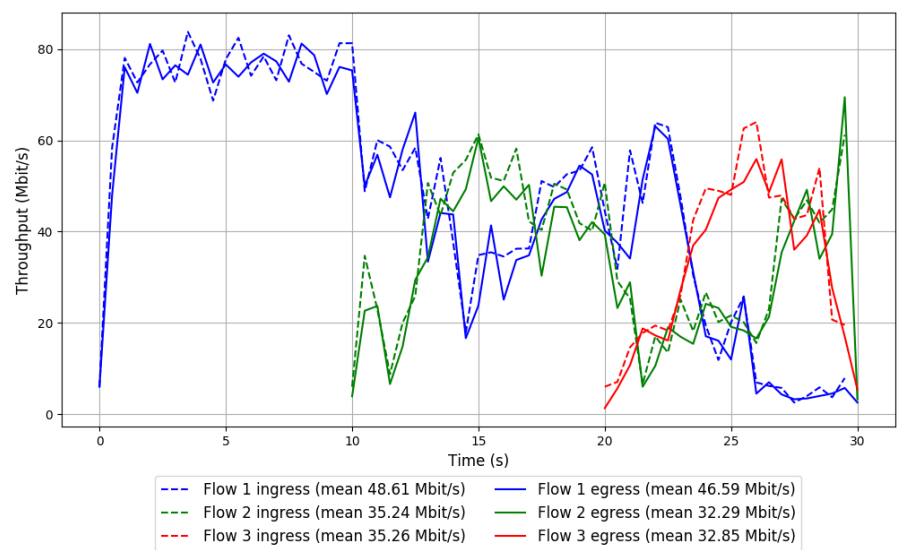


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 14:27:58
End at: 2018-02-20 14:28:28
Local clock offset: -15.251 ms
Remote clock offset: -4.461 ms

Below is generated by plot.py at 2018-02-20 18:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 111.121 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 110.678 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 111.637 ms
Loss rate: 8.39%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 111.121 ms
Loss rate: 6.91%

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

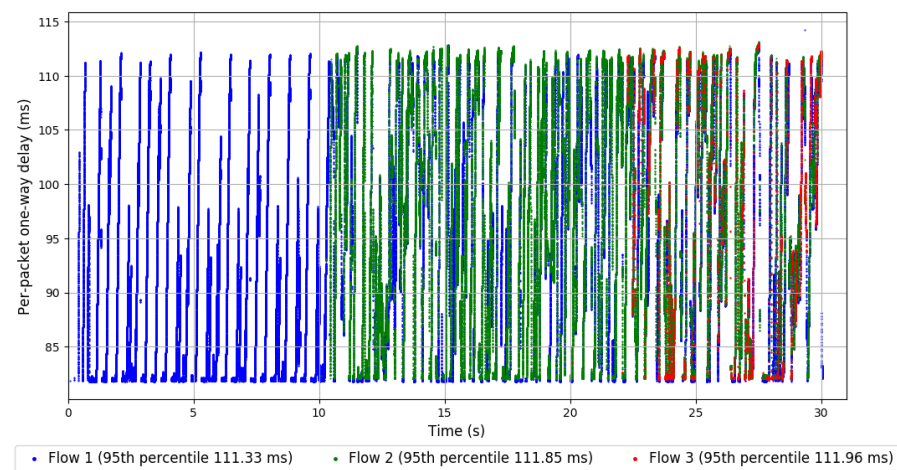
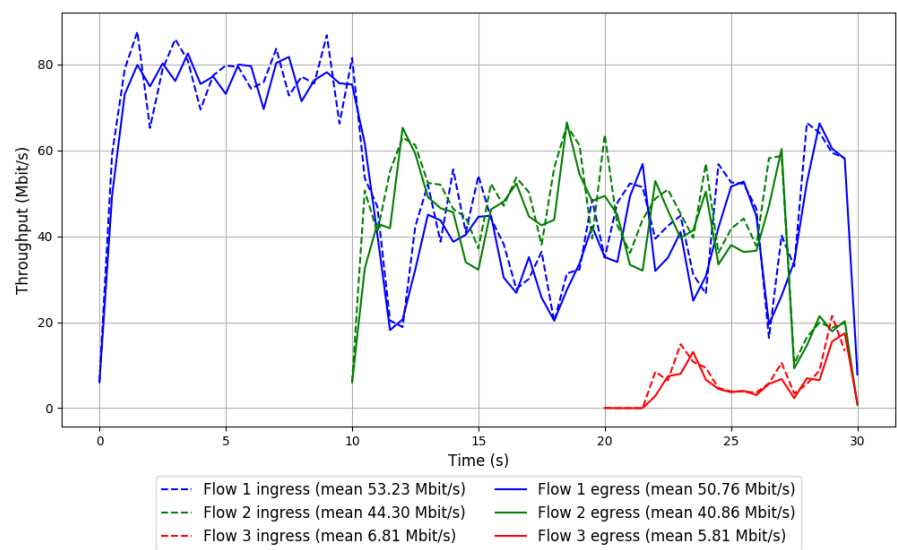


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 14:51:29
End at: 2018-02-20 14:51:59
Local clock offset: -14.727 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-02-20 18:11:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 111.568 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 111.330 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 111.848 ms
Loss rate: 7.64%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 111.964 ms
Loss rate: 14.42%

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

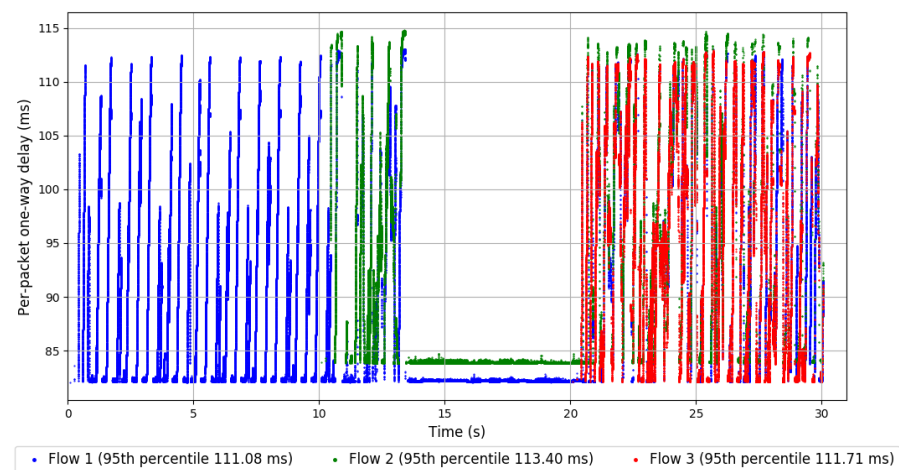
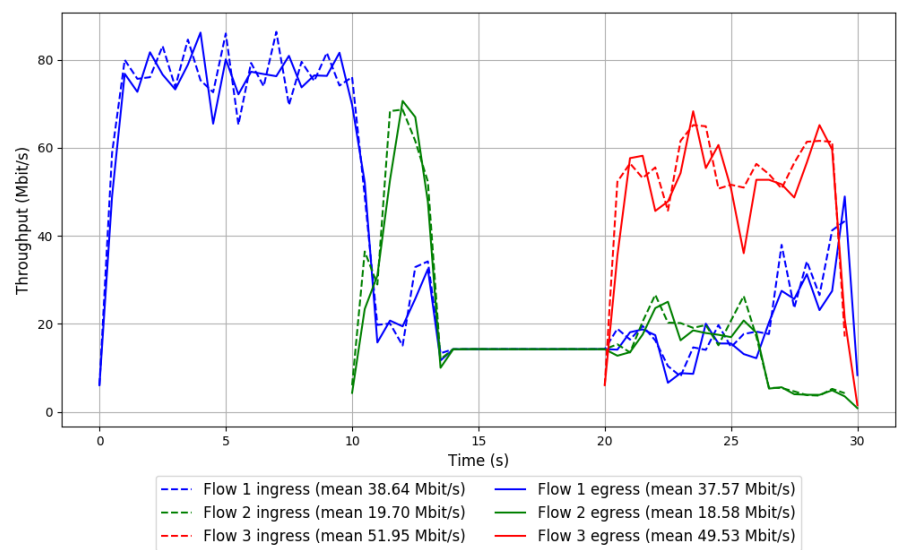


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 15:15:16
End at: 2018-02-20 15:15:46
Local clock offset: -12.279 ms
Remote clock offset: -3.594 ms

Below is generated by plot.py at 2018-02-20 18:11:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 111.648 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 111.080 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 113.398 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 111.711 ms
Loss rate: 4.57%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 15:38:44

End at: 2018-02-20 15:39:14

Local clock offset: -6.71 ms

Remote clock offset: 1.697 ms

Below is generated by plot.py at 2018-02-20 18:12:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 118.371 ms

Loss rate: 5.91%

-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 117.681 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 119.587 ms

Loss rate: 9.90%

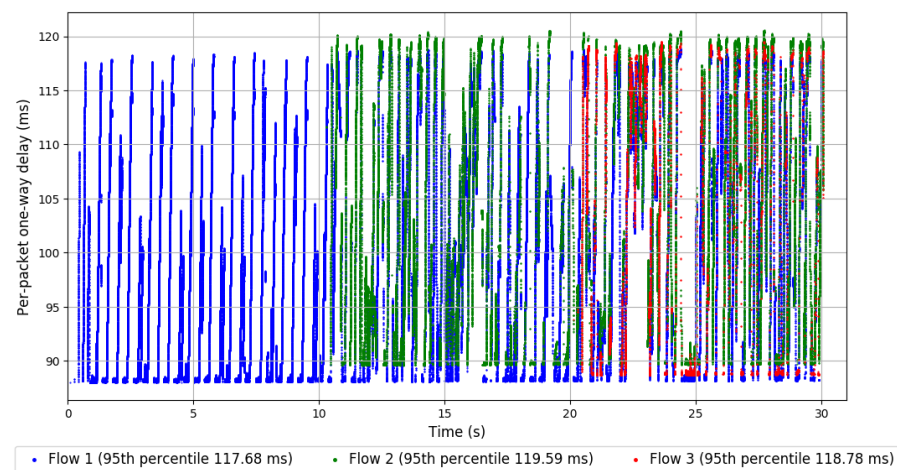
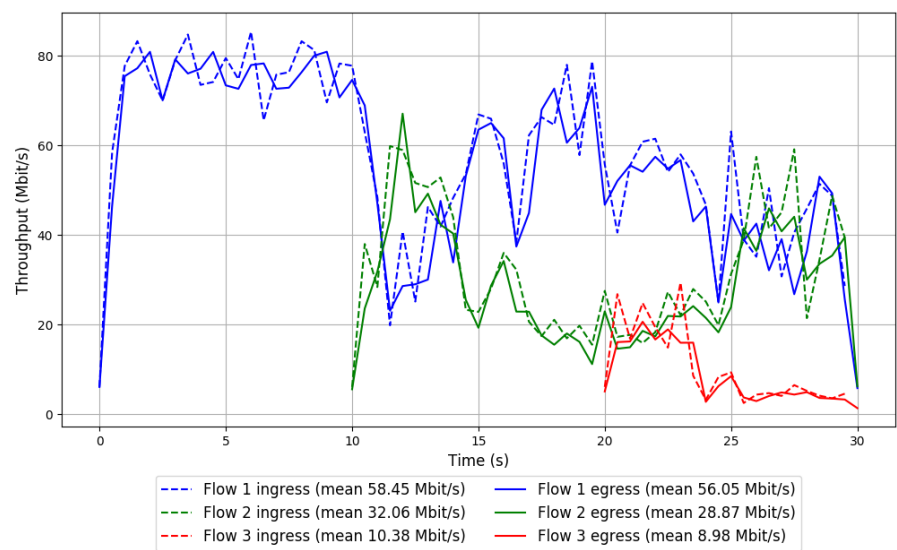
-- Flow 3:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 118.777 ms

Loss rate: 13.38%

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

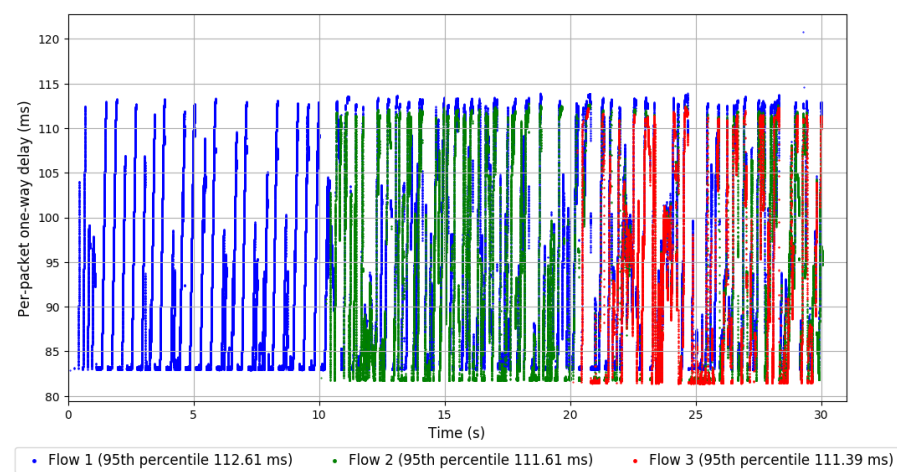
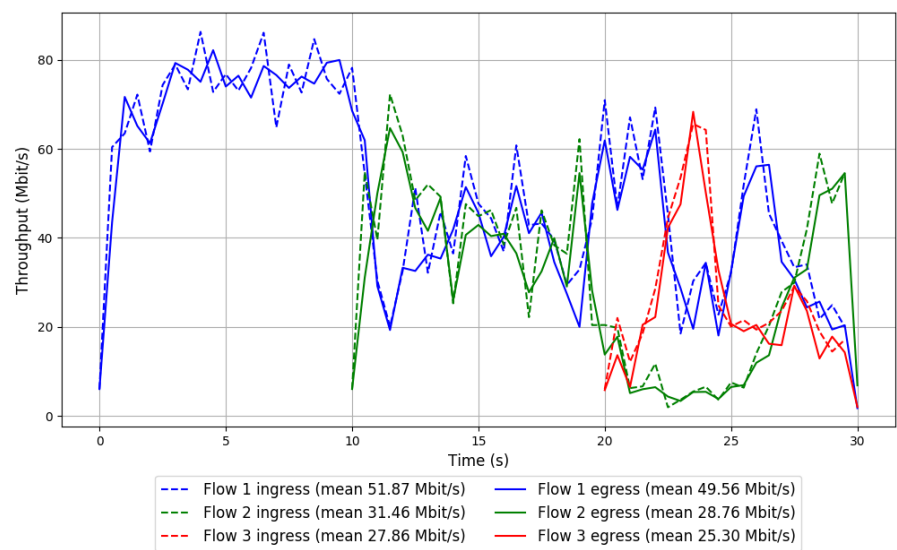


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 16:02:35
End at: 2018-02-20 16:03:05
Local clock offset: -1.555 ms
Remote clock offset: -4.833 ms

Below is generated by plot.py at 2018-02-20 18:12:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 112.322 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 49.56 Mbit/s
95th percentile per-packet one-way delay: 112.606 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 111.612 ms
Loss rate: 8.52%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 111.385 ms
Loss rate: 8.91%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 16:26:07

End at: 2018-02-20 16:26:37

Local clock offset: -4.906 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-02-20 18:12:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.90 Mbit/s

95th percentile per-packet one-way delay: 116.723 ms

Loss rate: 5.85%

-- Flow 1:

Average throughput: 51.06 Mbit/s

95th percentile per-packet one-way delay: 117.072 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 115.686 ms

Loss rate: 8.61%

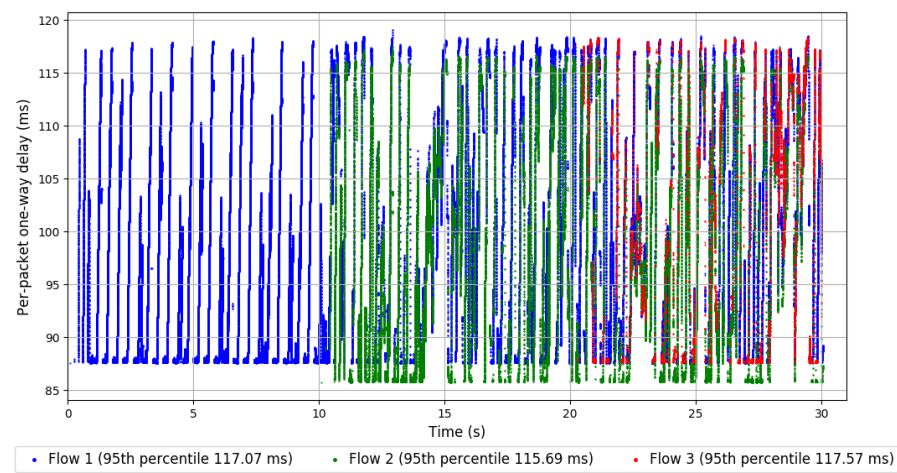
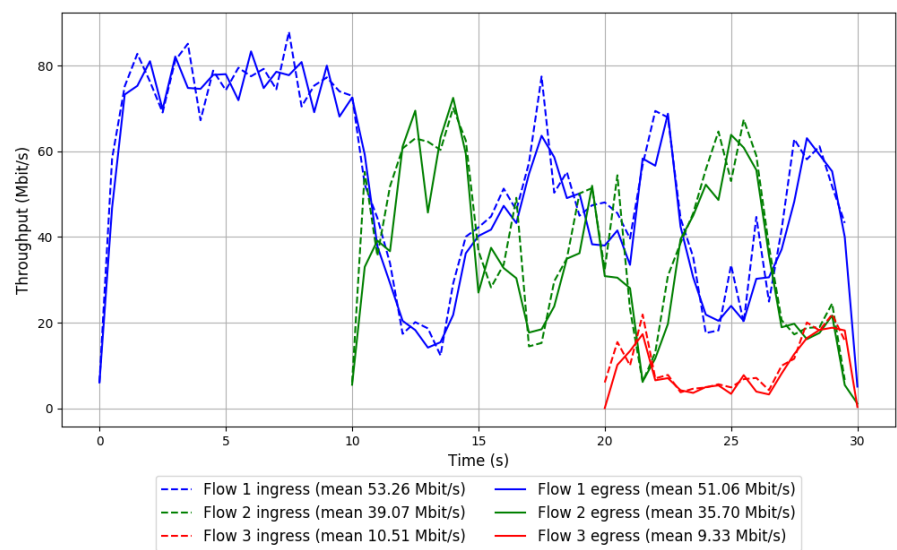
-- Flow 3:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 117.566 ms

Loss rate: 11.49%

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

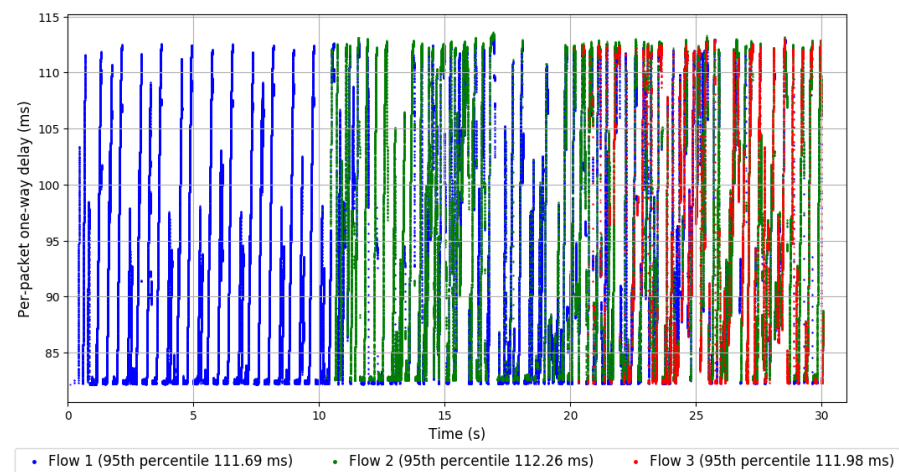
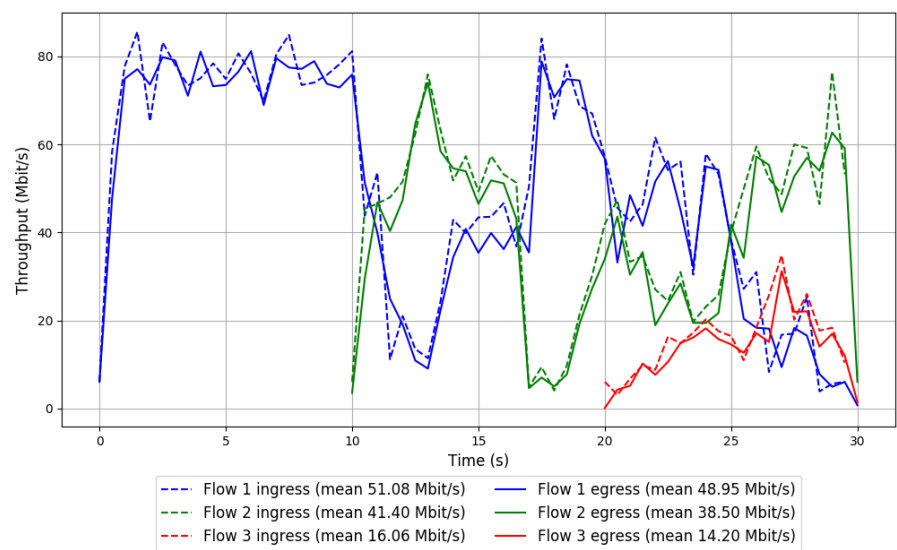


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 16:49:56
End at: 2018-02-20 16:50:26
Local clock offset: -2.267 ms
Remote clock offset: -1.688 ms

Below is generated by plot.py at 2018-02-20 18:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 111.967 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 111.695 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 112.262 ms
Loss rate: 7.04%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 111.978 ms
Loss rate: 11.79%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 17:13:26

End at: 2018-02-20 17:13:56

Local clock offset: -0.129 ms

Remote clock offset: 4.063 ms

Below is generated by plot.py at 2018-02-20 18:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 118.662 ms

Loss rate: 6.68%

-- Flow 1:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 118.261 ms

Loss rate: 5.01%

-- Flow 2:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 119.064 ms

Loss rate: 8.39%

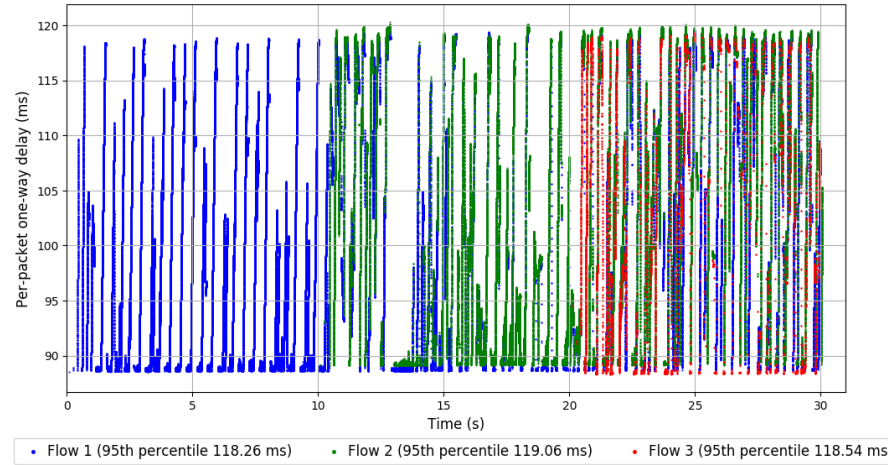
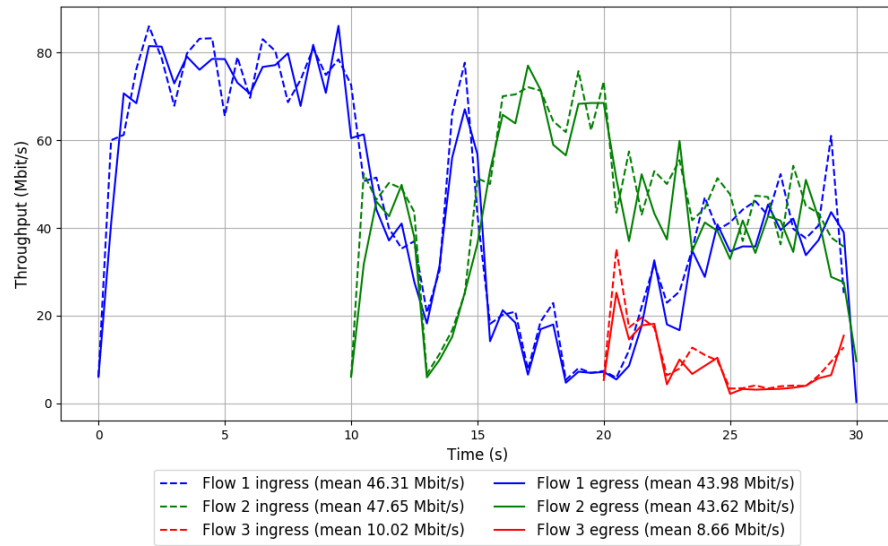
-- Flow 3:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 118.542 ms

Loss rate: 13.53%

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

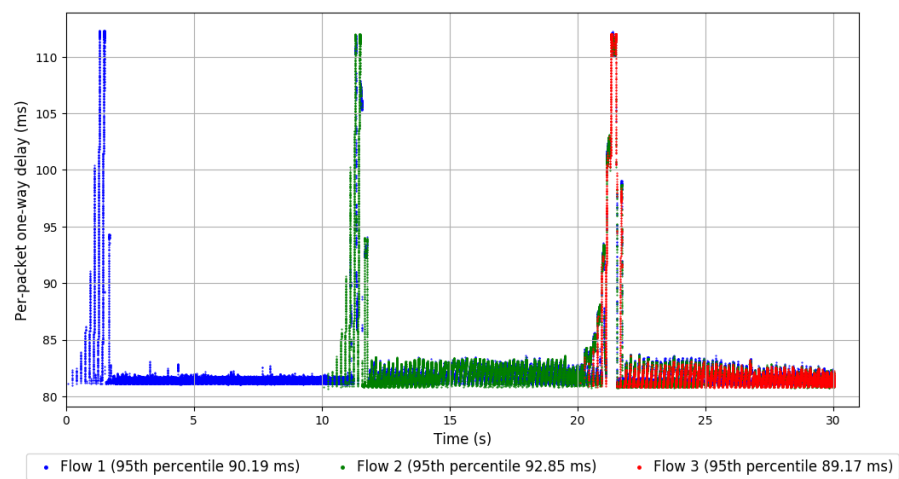
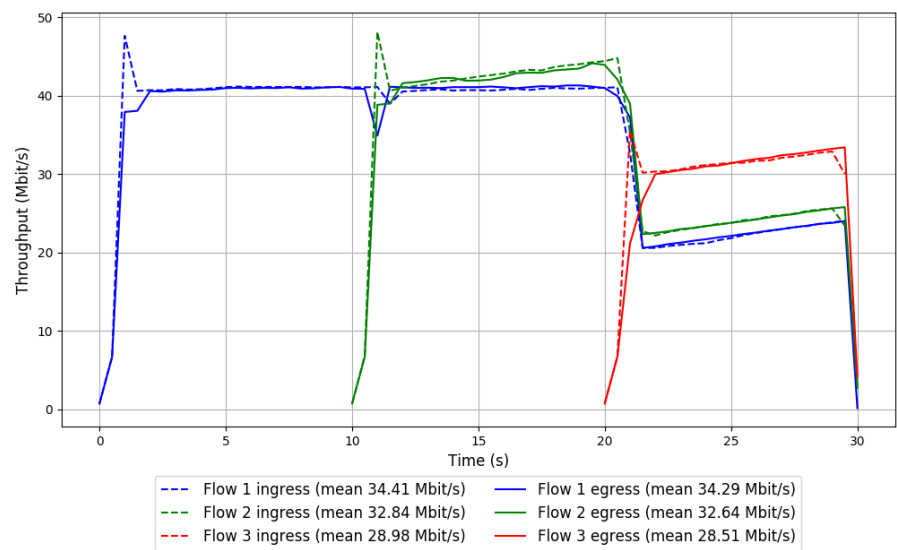


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 13:59:08
End at: 2018-02-20 13:59:38
Local clock offset: -14.096 ms
Remote clock offset: -4.497 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 91.877 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 90.188 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 92.852 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 1.61%

Run 1: Report of TCP Vegas — Data Link

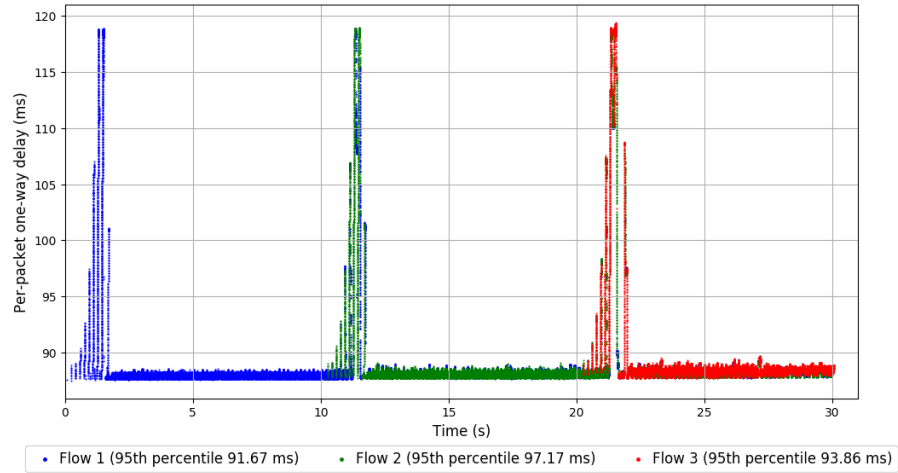
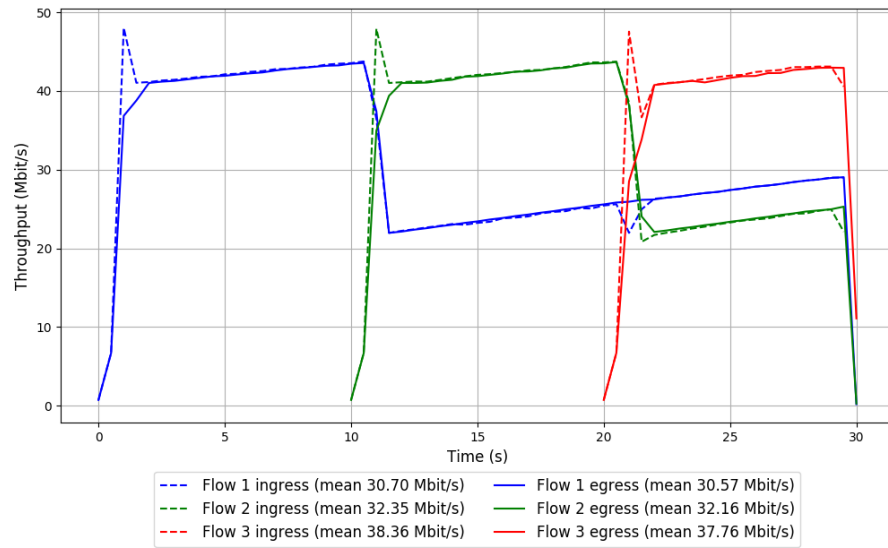


Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 14:22:42
End at: 2018-02-20 14:23:12
Local clock offset: -16.068 ms
Remote clock offset: 2.1 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 94.681 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 91.675 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 97.174 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 93.858 ms
Loss rate: 1.55%

Run 2: Report of TCP Vegas — Data Link

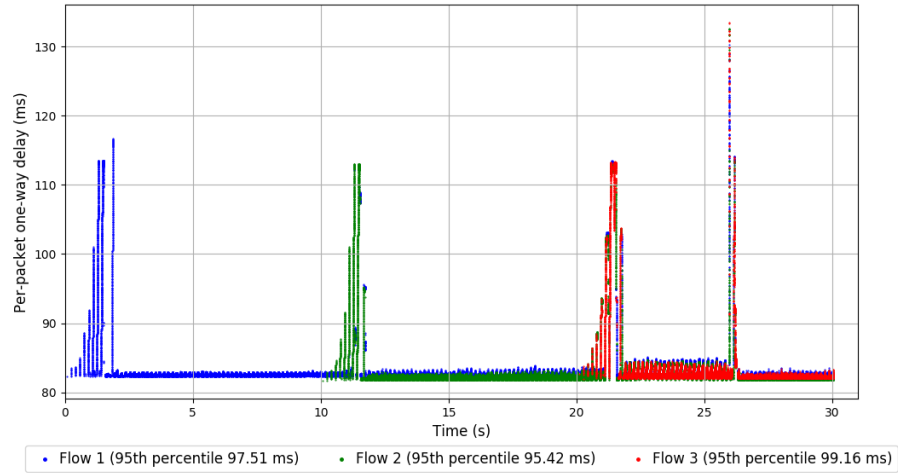
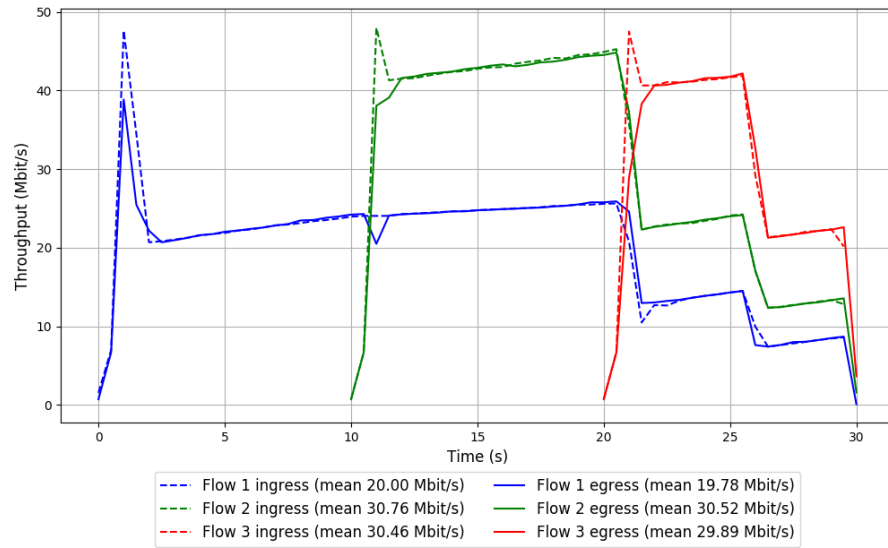


Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 14:46:14
End at: 2018-02-20 14:46:44
Local clock offset: -14.676 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 96.993 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 97.511 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 95.423 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 99.160 ms
Loss rate: 1.86%

Run 3: Report of TCP Vegas — Data Link

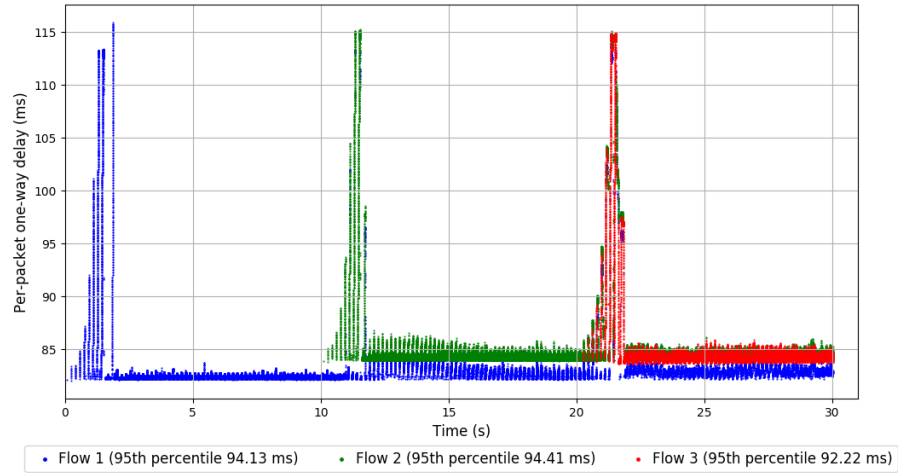
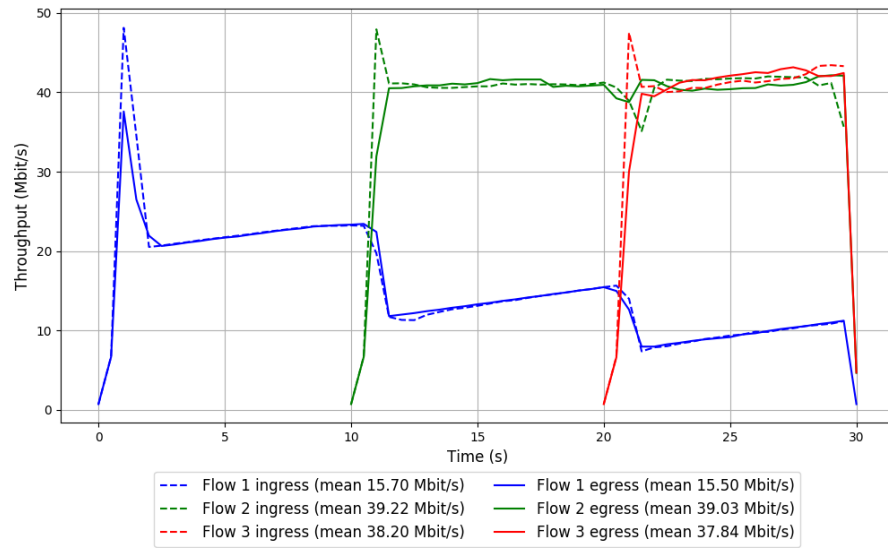


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 15:10:01
End at: 2018-02-20 15:10:31
Local clock offset: -12.591 ms
Remote clock offset: -3.514 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 93.919 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 94.134 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 94.406 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 92.224 ms
Loss rate: 0.95%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 15:33:29

End at: 2018-02-20 15:33:59

Local clock offset: -9.588 ms

Remote clock offset: 0.91 ms

Below is generated by plot.py at 2018-02-20 18:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.80 Mbit/s

95th percentile per-packet one-way delay: 91.511 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 19.28 Mbit/s

95th percentile per-packet one-way delay: 94.414 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 89.342 ms

Loss rate: 0.46%

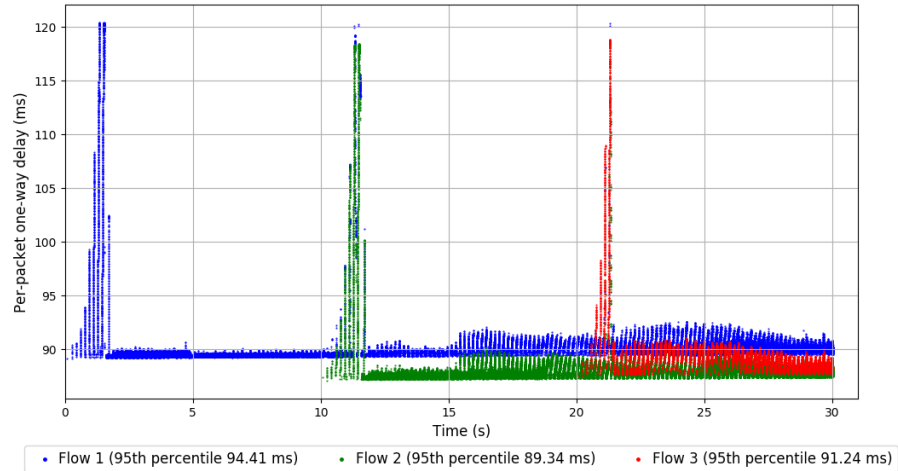
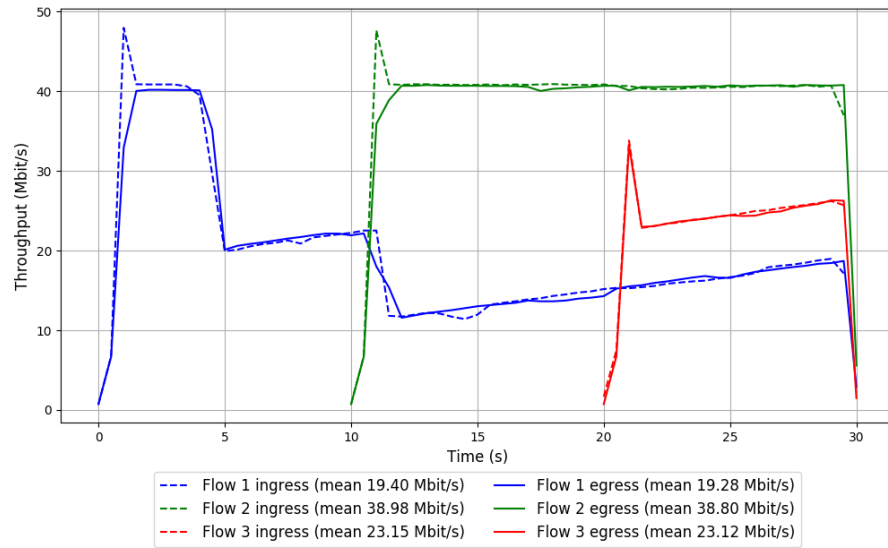
-- Flow 3:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 91.239 ms

Loss rate: 0.44%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 15:57:20

End at: 2018-02-20 15:57:50

Local clock offset: -2.319 ms

Remote clock offset: 1.519 ms

Below is generated by plot.py at 2018-02-20 18:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.19 Mbit/s

95th percentile per-packet one-way delay: 97.603 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 94.975 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 23.29 Mbit/s

95th percentile per-packet one-way delay: 99.981 ms

Loss rate: 1.19%

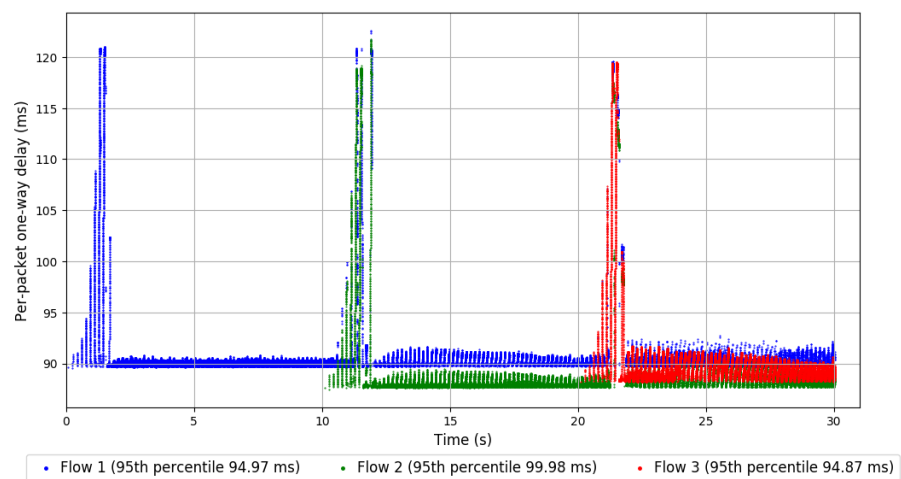
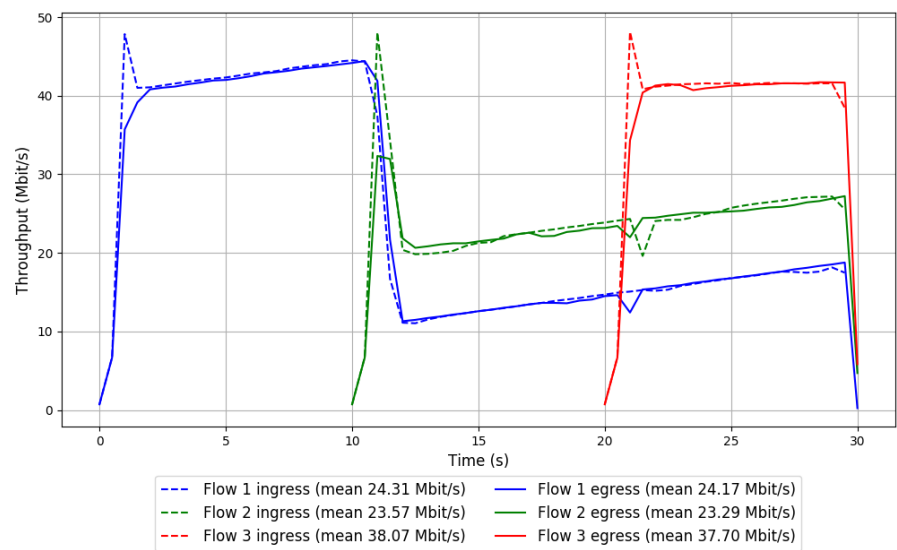
-- Flow 3:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 94.868 ms

Loss rate: 0.96%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 16:20:51

End at: 2018-02-20 16:21:21

Local clock offset: -4.717 ms

Remote clock offset: 1.576 ms

Below is generated by plot.py at 2018-02-20 18:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 98.093 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 98.167 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 98.548 ms

Loss rate: 0.68%

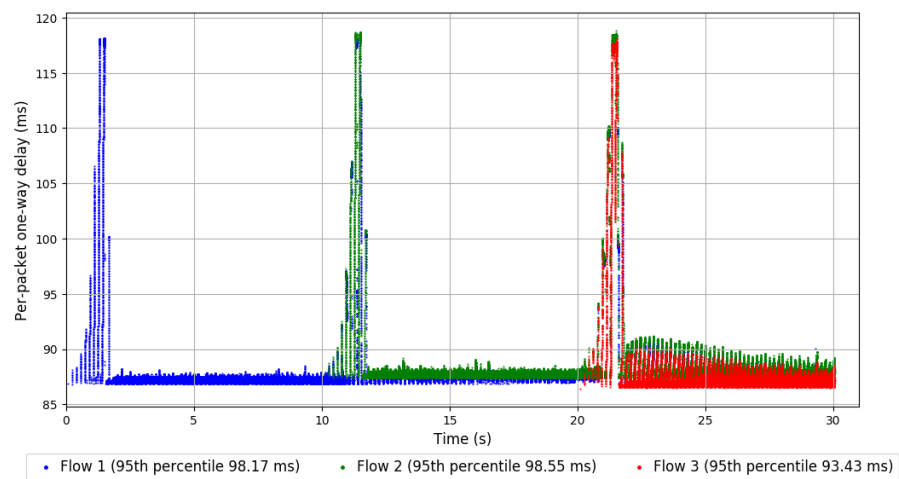
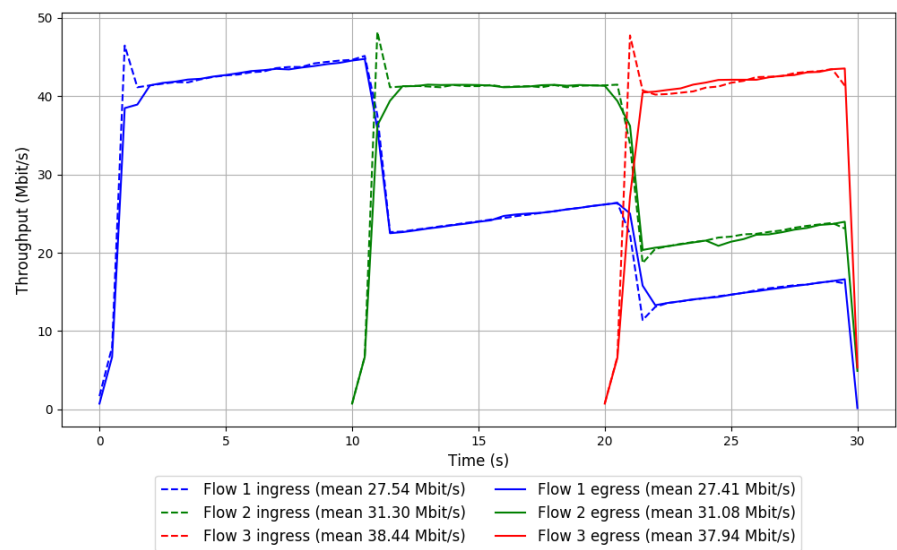
-- Flow 3:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 93.433 ms

Loss rate: 1.30%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 16:44:41

End at: 2018-02-20 16:45:11

Local clock offset: -3.12 ms

Remote clock offset: 2.857 ms

Below is generated by plot.py at 2018-02-20 18:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 105.791 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 105.453 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 103.304 ms

Loss rate: 0.69%

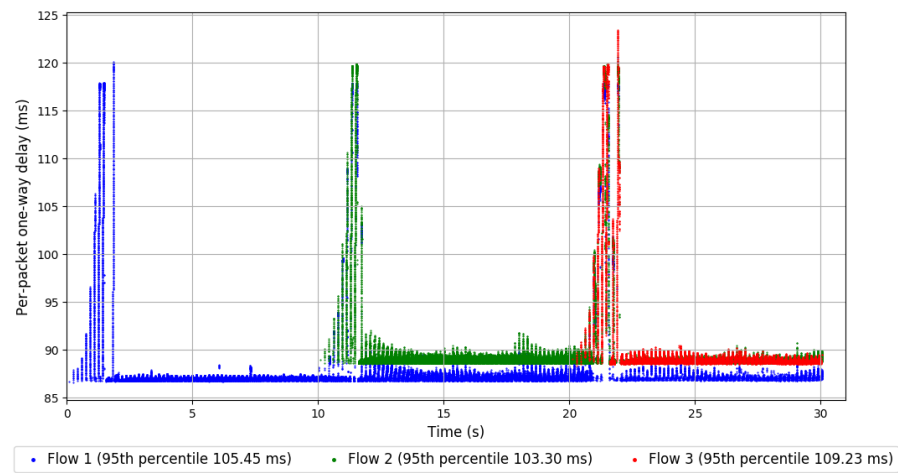
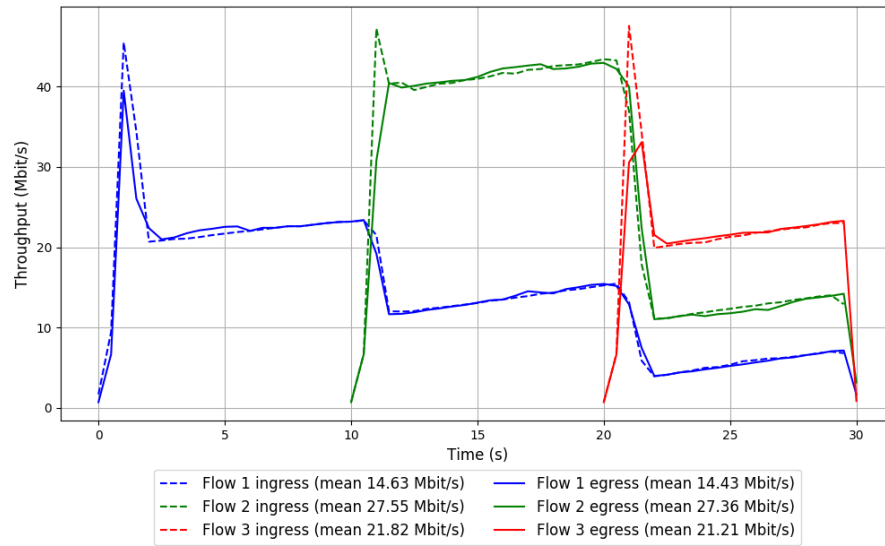
-- Flow 3:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 109.235 ms

Loss rate: 2.92%

Run 8: Report of TCP Vegas — Data Link

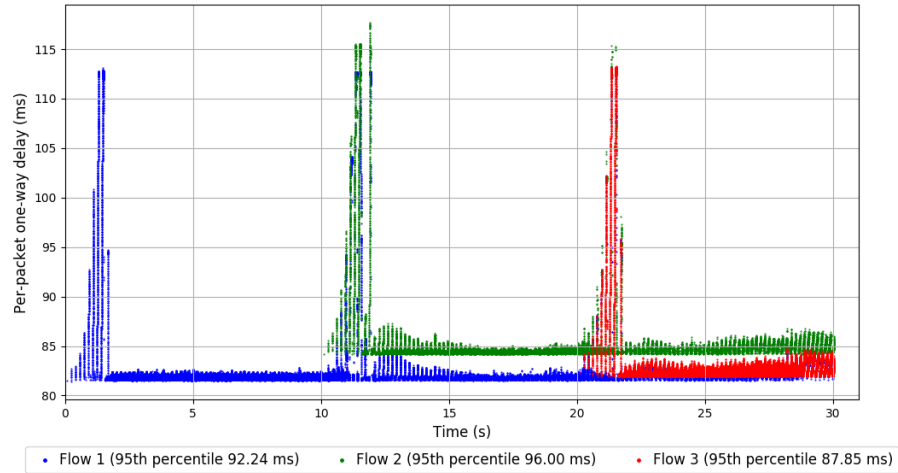
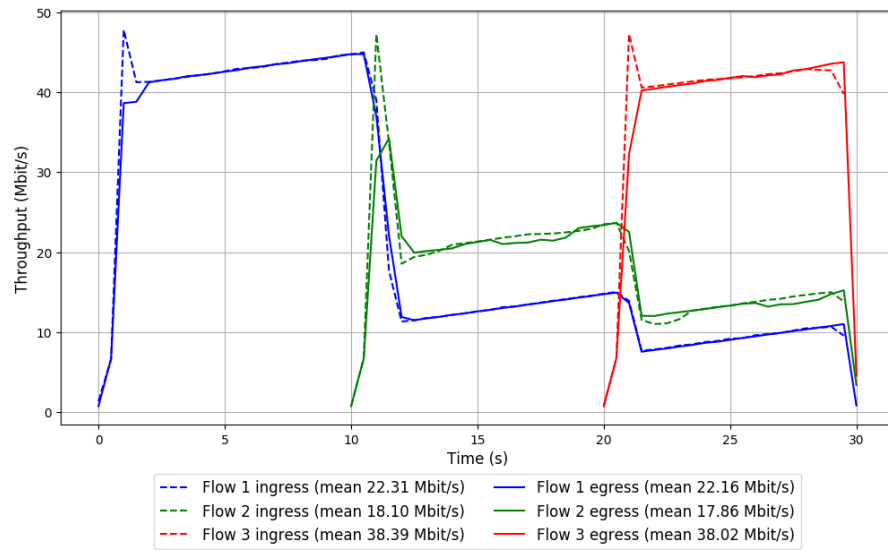


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 17:08:11
End at: 2018-02-20 17:08:41
Local clock offset: -0.578 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 92.342 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 92.240 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 95.996 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 87.847 ms
Loss rate: 0.94%

Run 9: Report of TCP Vegas — Data Link

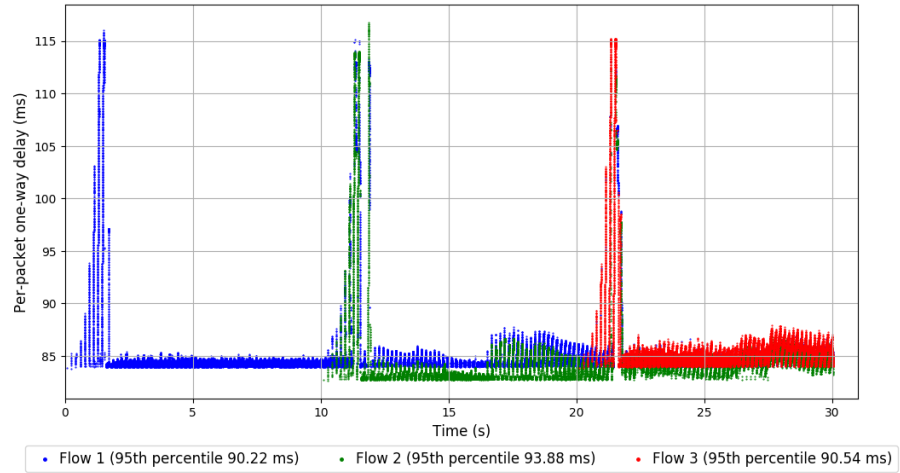
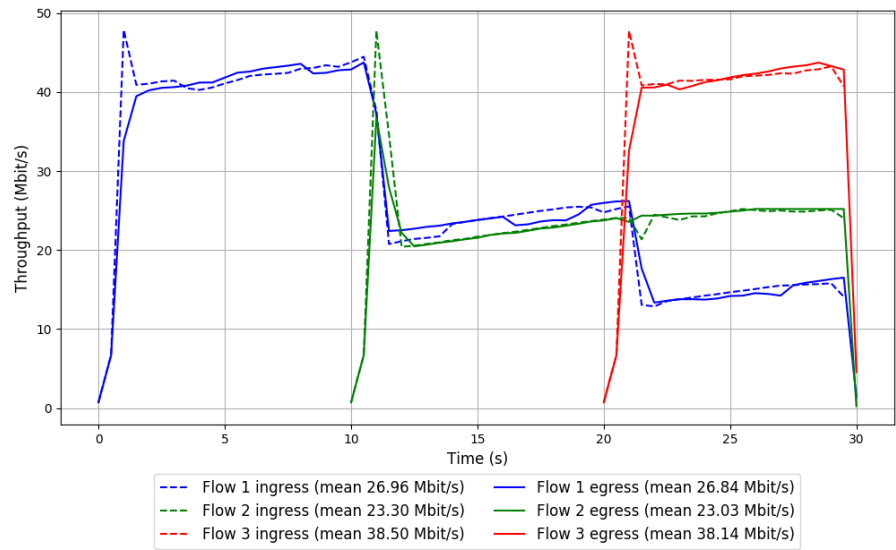


Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 17:31:48
End at: 2018-02-20 17:32:18
Local clock offset: 2.948 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-02-20 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 91.270 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 90.225 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 93.878 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 90.540 ms
Loss rate: 0.96%

Run 10: Report of TCP Vegas — Data Link

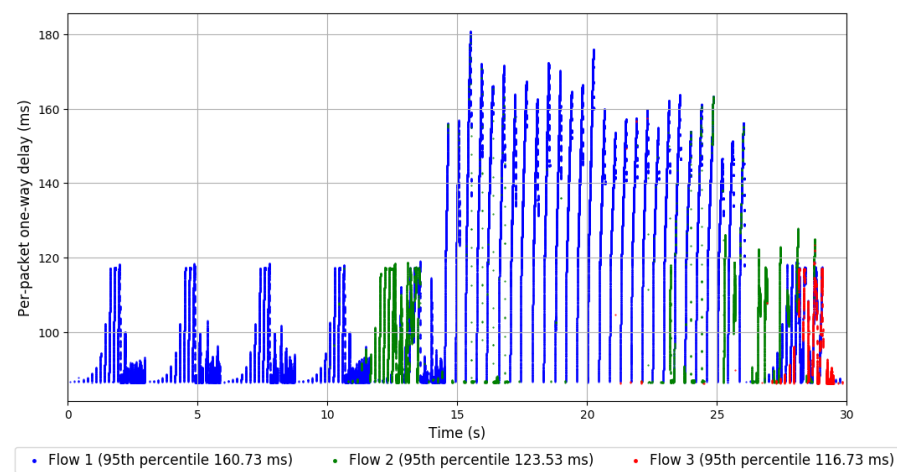
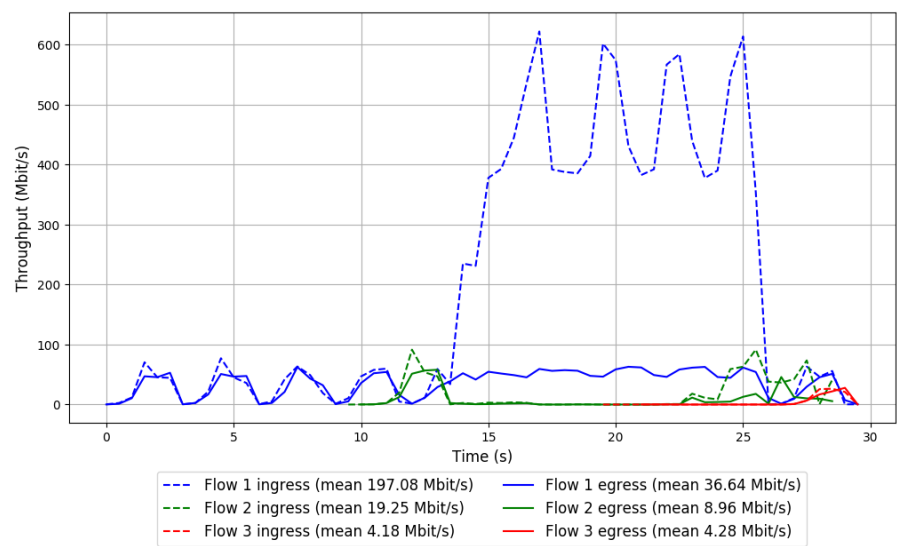


Run 1: Statistics of Verus

Start at: 2018-02-20 13:43:10
End at: 2018-02-20 13:43:40
Local clock offset: -11.259 ms
Remote clock offset: 0.68 ms

Below is generated by plot.py at 2018-02-20 18:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 159.456 ms
Loss rate: 79.32%
-- Flow 1:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 160.726 ms
Loss rate: 81.41%
-- Flow 2:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 123.533 ms
Loss rate: 53.39%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 116.729 ms
Loss rate: 8.32%

Run 1: Report of Verus — Data Link

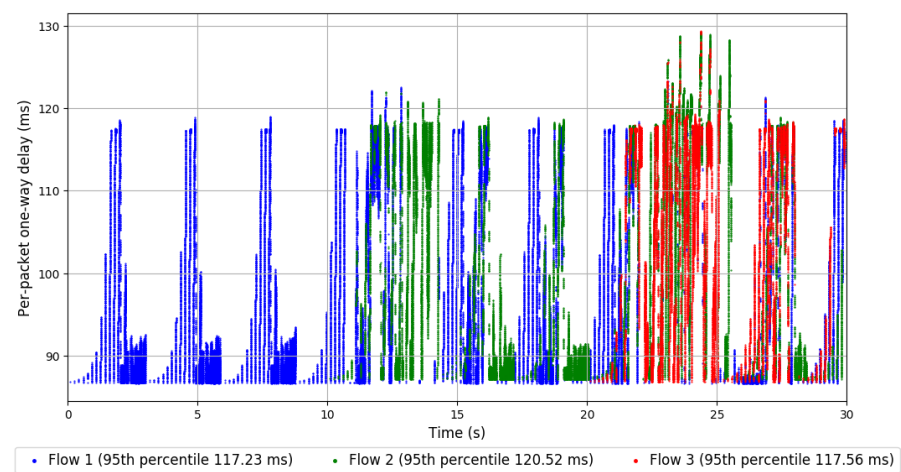
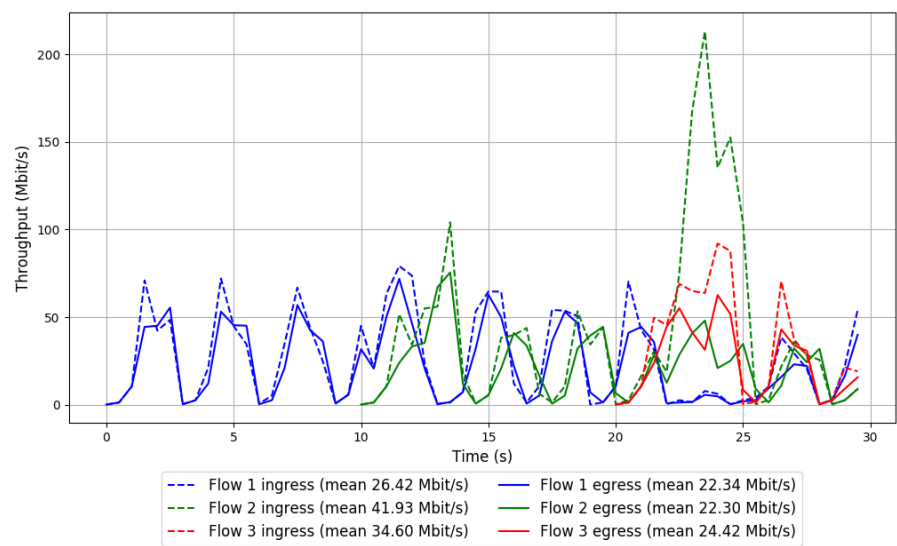


Run 2: Statistics of Verus

Start at: 2018-02-20 14:07:01
End at: 2018-02-20 14:07:31
Local clock offset: -15.078 ms
Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-02-20 18:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 117.796 ms
Loss rate: 31.06%
-- Flow 1:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 117.230 ms
Loss rate: 15.36%
-- Flow 2:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 120.524 ms
Loss rate: 46.77%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 117.560 ms
Loss rate: 29.21%

Run 2: Report of Verus — Data Link

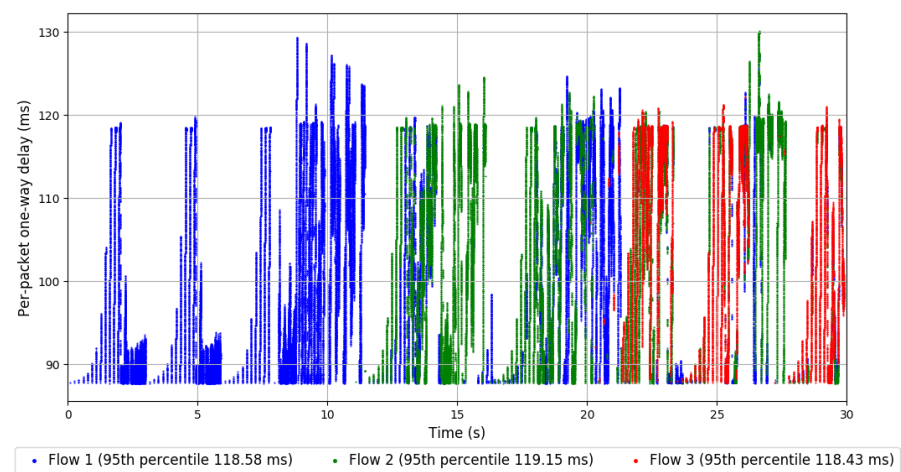
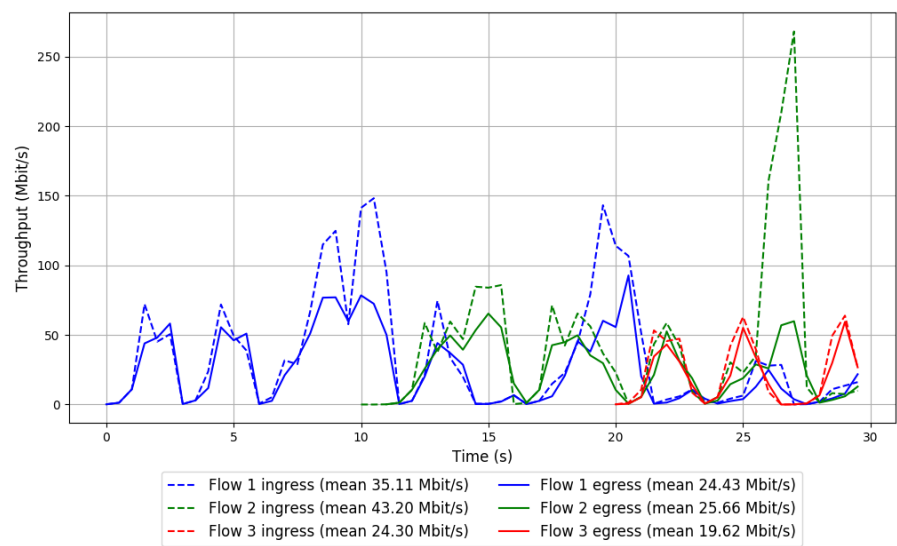


Run 3: Statistics of Verus

Start at: 2018-02-20 14:30:33
End at: 2018-02-20 14:31:03
Local clock offset: -14.994 ms
Remote clock offset: 2.018 ms

Below is generated by plot.py at 2018-02-20 18:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 118.732 ms
Loss rate: 34.43%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 118.583 ms
Loss rate: 30.40%
-- Flow 2:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 119.154 ms
Loss rate: 43.57%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 118.428 ms
Loss rate: 19.31%

Run 3: Report of Verus — Data Link

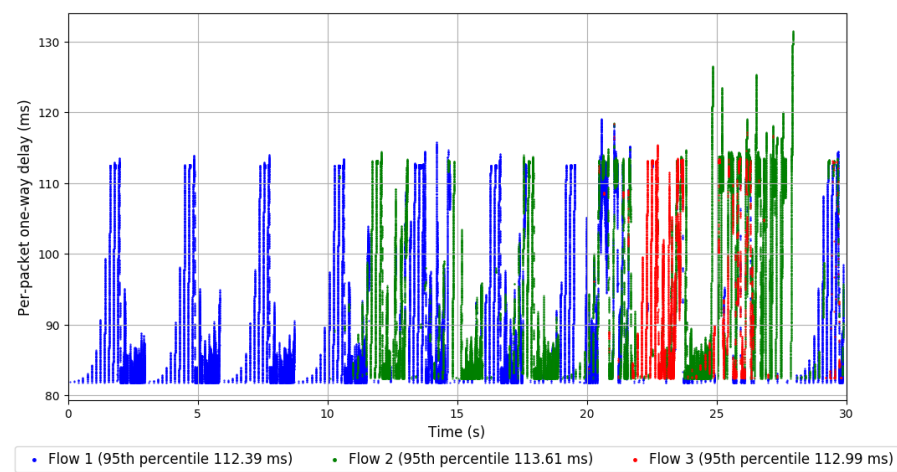
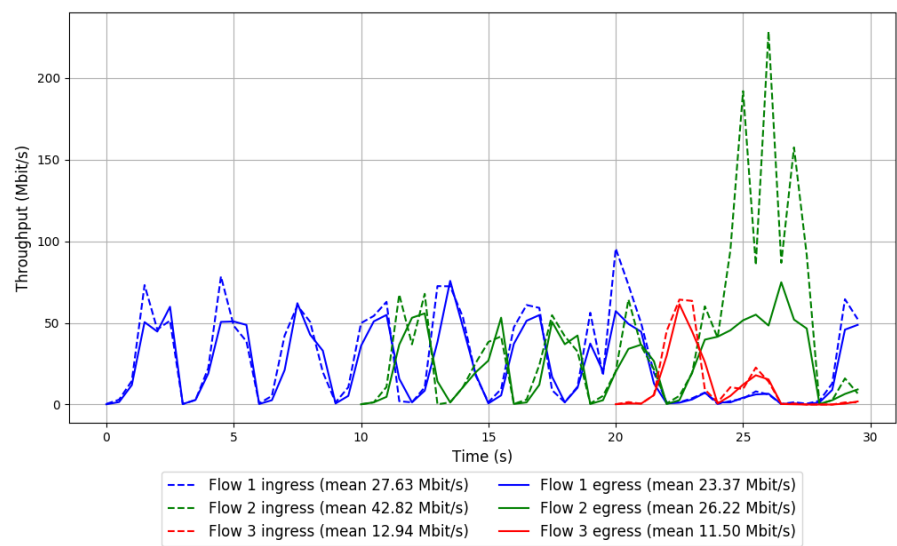


Run 4: Statistics of Verus

Start at: 2018-02-20 14:54:04
End at: 2018-02-20 14:54:34
Local clock offset: -14.774 ms
Remote clock offset: -3.461 ms

Below is generated by plot.py at 2018-02-20 18:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 112.997 ms
Loss rate: 26.08%
-- Flow 1:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 112.391 ms
Loss rate: 15.37%
-- Flow 2:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 113.608 ms
Loss rate: 38.72%
-- Flow 3:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 112.991 ms
Loss rate: 11.12%

Run 4: Report of Verus — Data Link

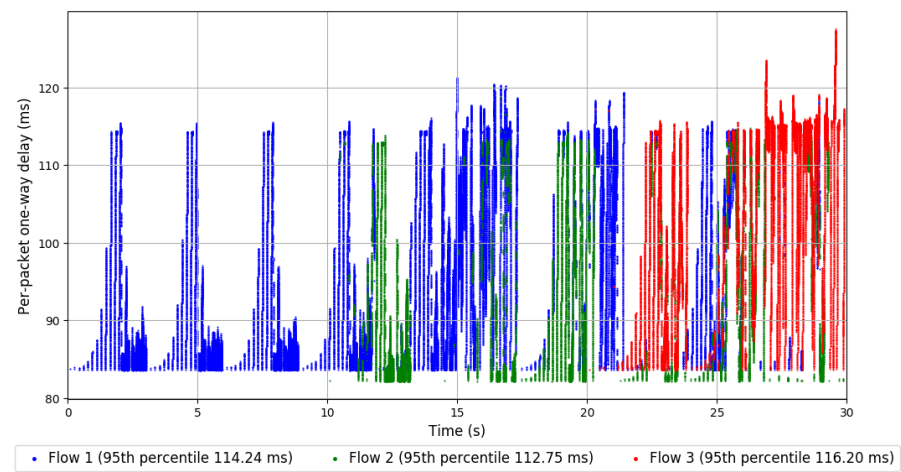
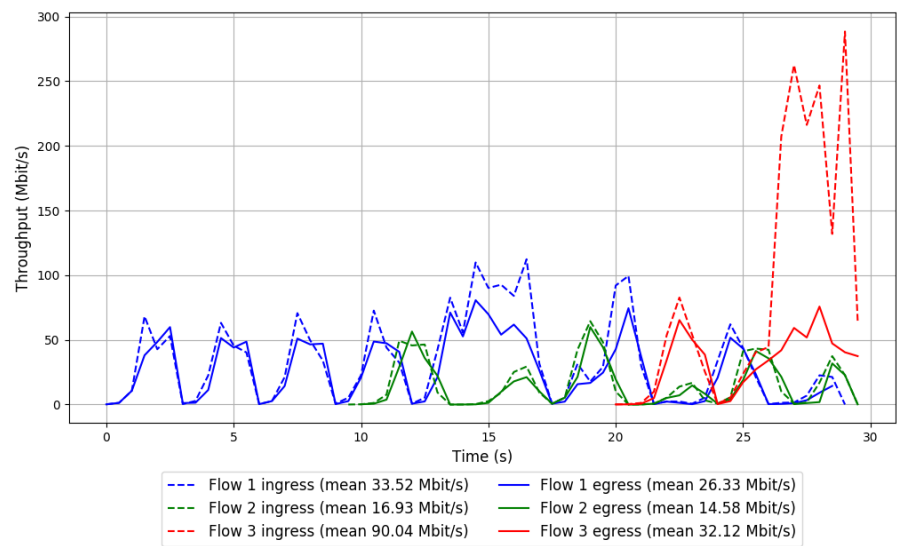


Run 5: Statistics of Verus

Start at: 2018-02-20 15:17:50
End at: 2018-02-20 15:18:20
Local clock offset: -12.165 ms
Remote clock offset: -3.565 ms

Below is generated by plot.py at 2018-02-20 18:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 114.759 ms
Loss rate: 37.70%
-- Flow 1:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 114.243 ms
Loss rate: 21.91%
-- Flow 2:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 112.752 ms
Loss rate: 13.89%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 116.204 ms
Loss rate: 64.21%

Run 5: Report of Verus — Data Link

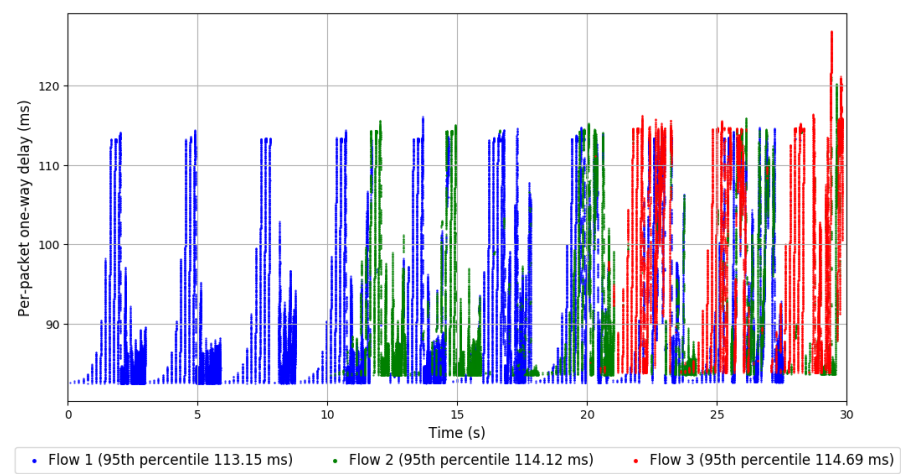
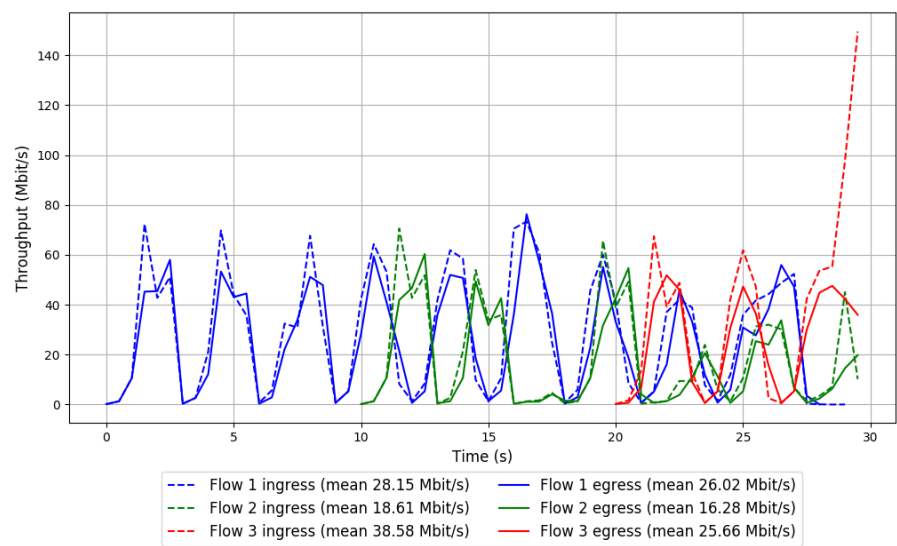


Run 6: Statistics of Verus

Start at: 2018-02-20 15:41:19
End at: 2018-02-20 15:41:49
Local clock offset: -5.693 ms
Remote clock offset: -4.016 ms

Below is generated by plot.py at 2018-02-20 18:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 113.917 ms
Loss rate: 16.80%
-- Flow 1:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 113.154 ms
Loss rate: 11.22%
-- Flow 2:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 114.120 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 114.686 ms
Loss rate: 33.34%

Run 6: Report of Verus — Data Link

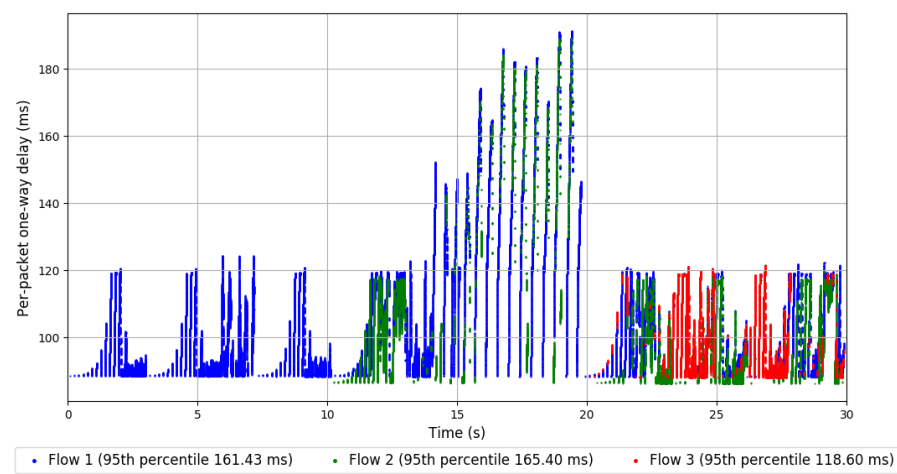
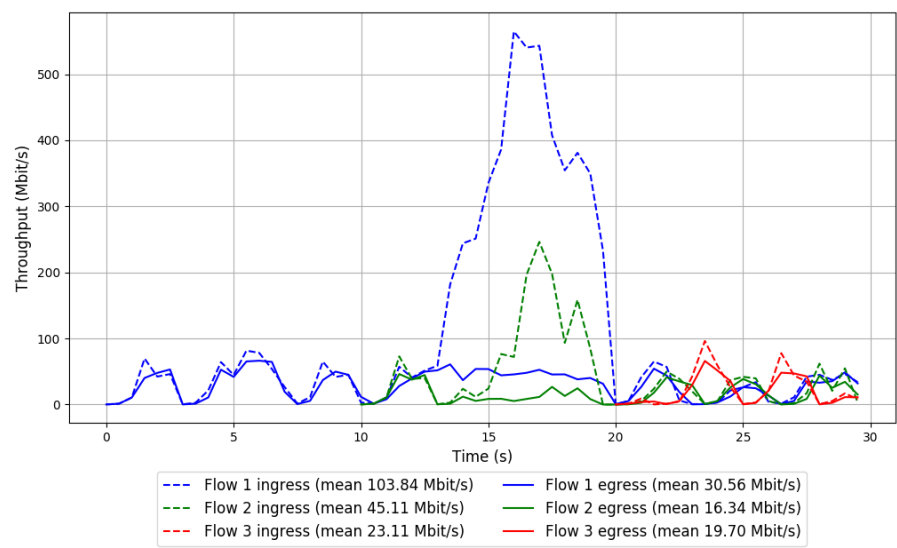


Run 7: Statistics of Verus

Start at: 2018-02-20 16:05:10
End at: 2018-02-20 16:05:40
Local clock offset: -1.527 ms
Remote clock offset: 0.915 ms

Below is generated by plot.py at 2018-02-20 18:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 159.656 ms
Loss rate: 66.13%
-- Flow 1:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 161.433 ms
Loss rate: 70.56%
-- Flow 2:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 165.397 ms
Loss rate: 63.80%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 118.604 ms
Loss rate: 14.68%

Run 7: Report of Verus — Data Link

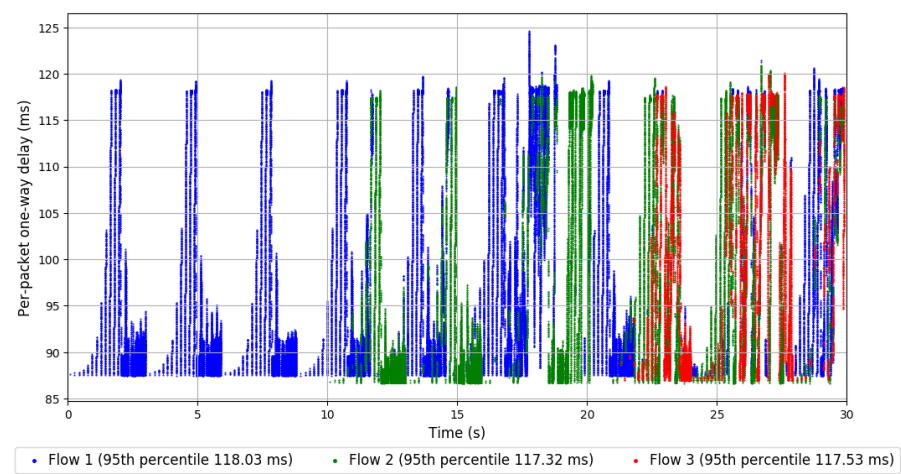
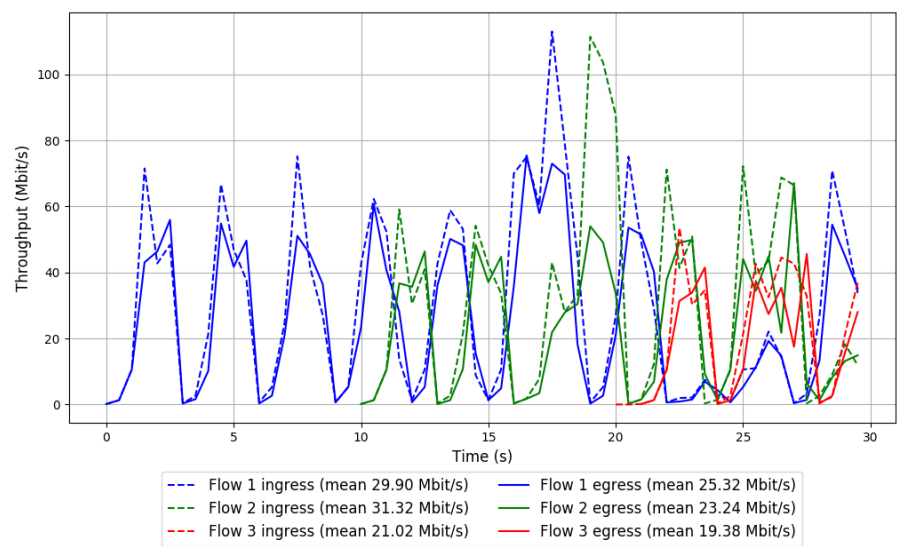


Run 8: Statistics of Verus

Start at: 2018-02-20 16:28:43
End at: 2018-02-20 16:29:13
Local clock offset: -4.931 ms
Remote clock offset: 2.013 ms

Below is generated by plot.py at 2018-02-20 18:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 117.861 ms
Loss rate: 19.22%
-- Flow 1:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 118.031 ms
Loss rate: 15.23%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 117.320 ms
Loss rate: 25.69%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 117.535 ms
Loss rate: 17.07%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-20 16:52:31

End at: 2018-02-20 16:53:01

Local clock offset: -1.995 ms

Remote clock offset: 3.286 ms

Below is generated by plot.py at 2018-02-20 18:14:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 154.037 ms

Loss rate: 53.03%

-- Flow 1:

Average throughput: 19.41 Mbit/s

95th percentile per-packet one-way delay: 117.515 ms

Loss rate: 20.89%

-- Flow 2:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 176.036 ms

Loss rate: 70.71%

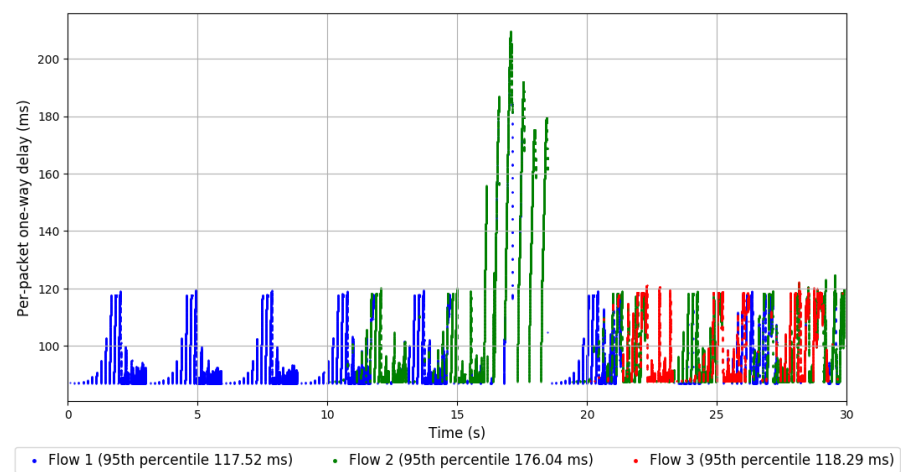
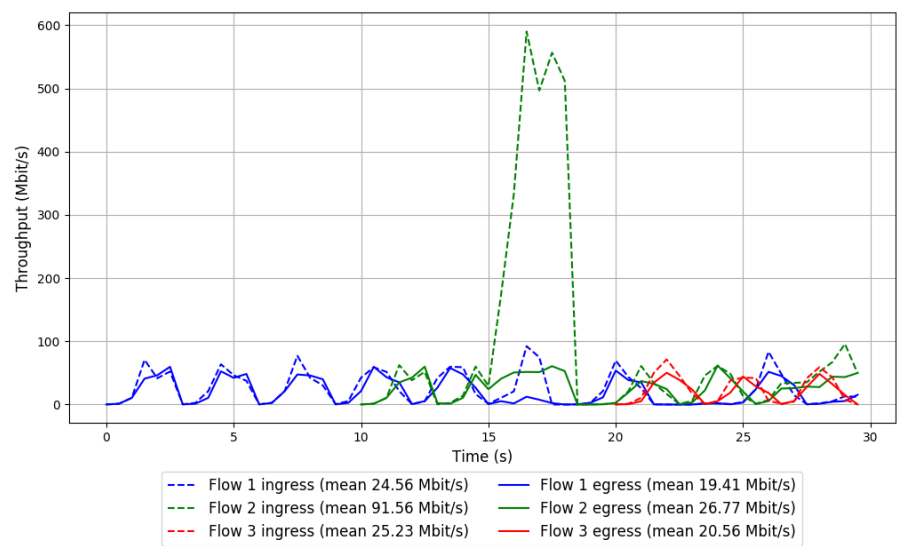
-- Flow 3:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 118.294 ms

Loss rate: 18.23%

Run 9: Report of Verus — Data Link

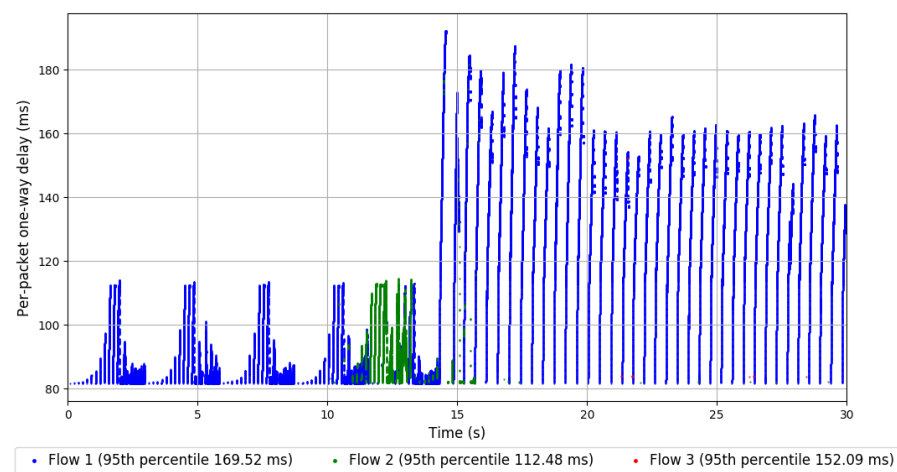
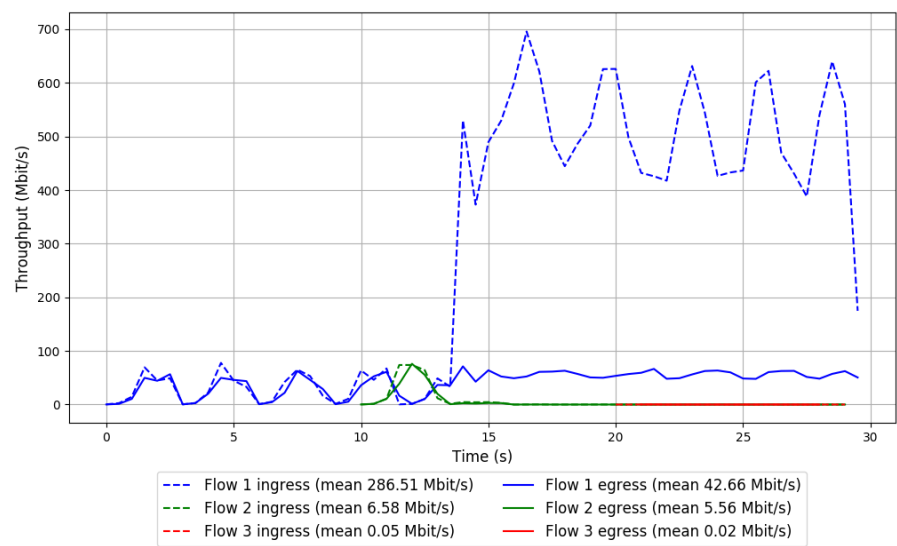


Run 10: Statistics of Verus

Start at: 2018-02-20 17:16:01
End at: 2018-02-20 17:16:31
Local clock offset: 0.534 ms
Remote clock offset: -0.693 ms

Below is generated by plot.py at 2018-02-20 18:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 167.994 ms
Loss rate: 84.07%
-- Flow 1:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 169.516 ms
Loss rate: 85.08%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 112.476 ms
Loss rate: 16.22%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 152.091 ms
Loss rate: 64.86%

Run 10: Report of Verus — Data Link

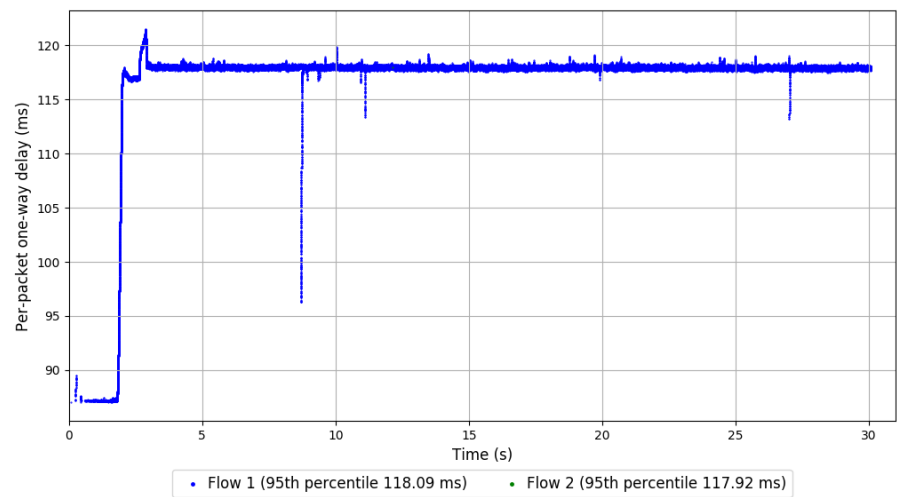
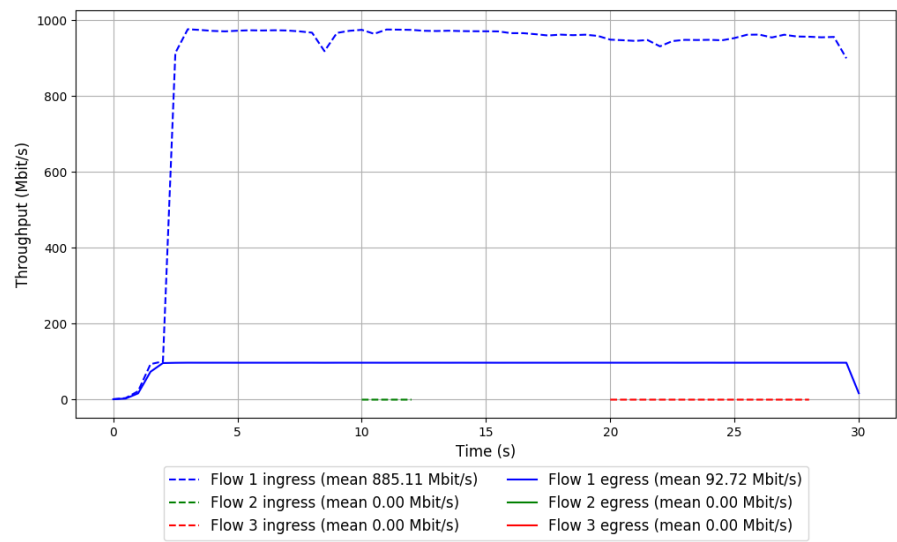


Run 1: Statistics of Copa

Start at: 2018-02-20 13:56:13
End at: 2018-02-20 13:56:43
Local clock offset: -13.549 ms
Remote clock offset: 1.273 ms

Below is generated by plot.py at 2018-02-20 18:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 118.086 ms
Loss rate: 89.51%
-- Flow 1:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 118.086 ms
Loss rate: 89.51%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 117.917 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of Copa — Data Link

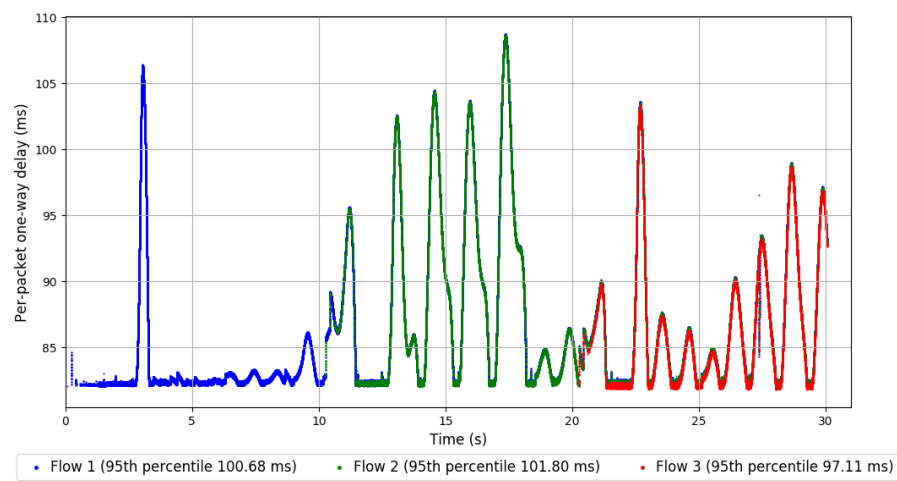
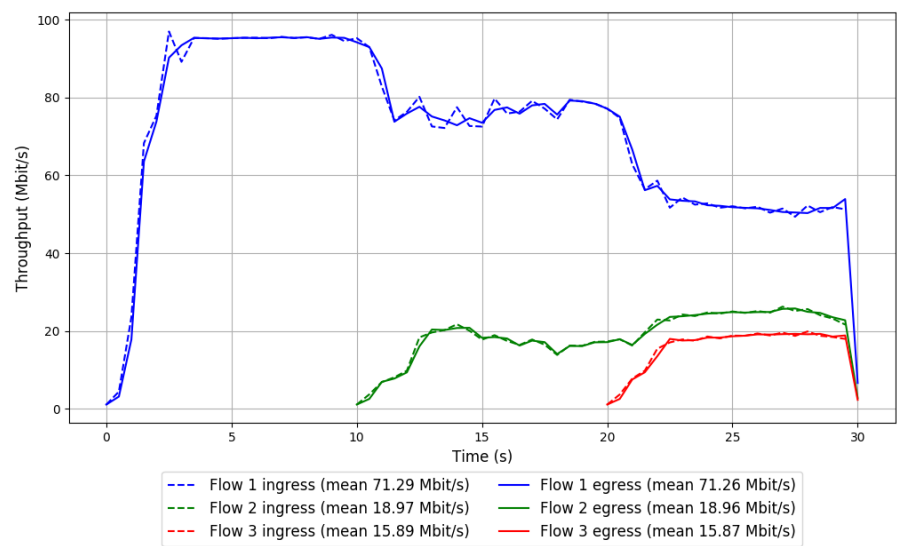


Run 2: Statistics of Copa

Start at: 2018-02-20 14:20:01
End at: 2018-02-20 14:20:31
Local clock offset: -16.045 ms
Remote clock offset: -3.61 ms

Below is generated by plot.py at 2018-02-20 18:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.16 Mbit/s
95th percentile per-packet one-way delay: 100.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 100.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 101.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 97.115 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

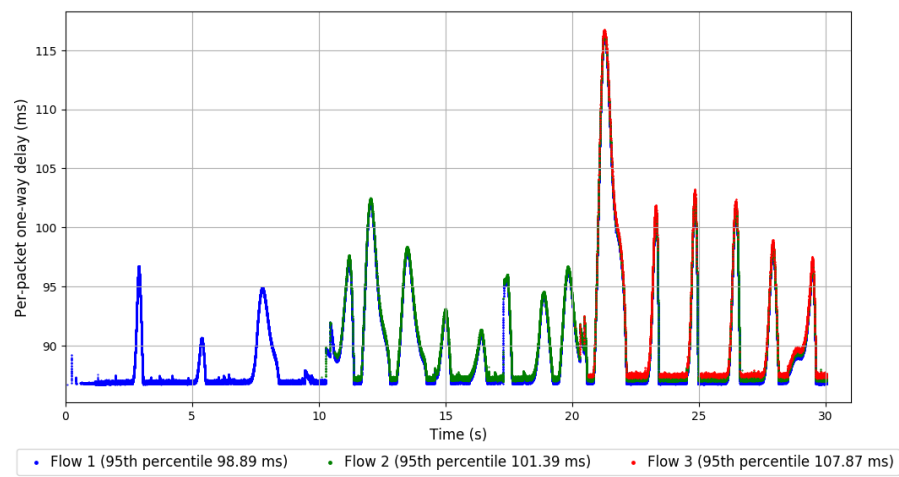
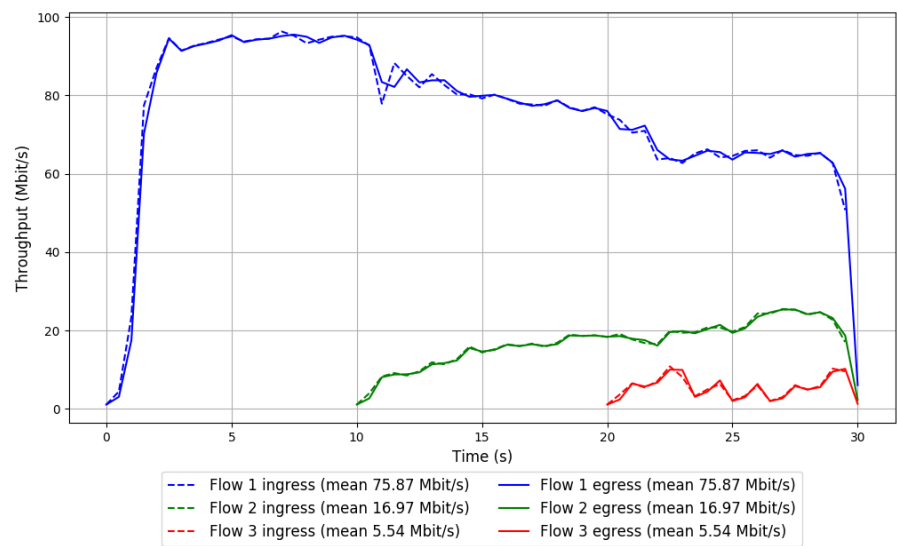


Run 3: Statistics of Copa

Start at: 2018-02-20 14:43:34
End at: 2018-02-20 14:44:04
Local clock offset: -14.664 ms
Remote clock offset: 1.239 ms

Below is generated by plot.py at 2018-02-20 18:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 99.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 98.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 101.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 107.874 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

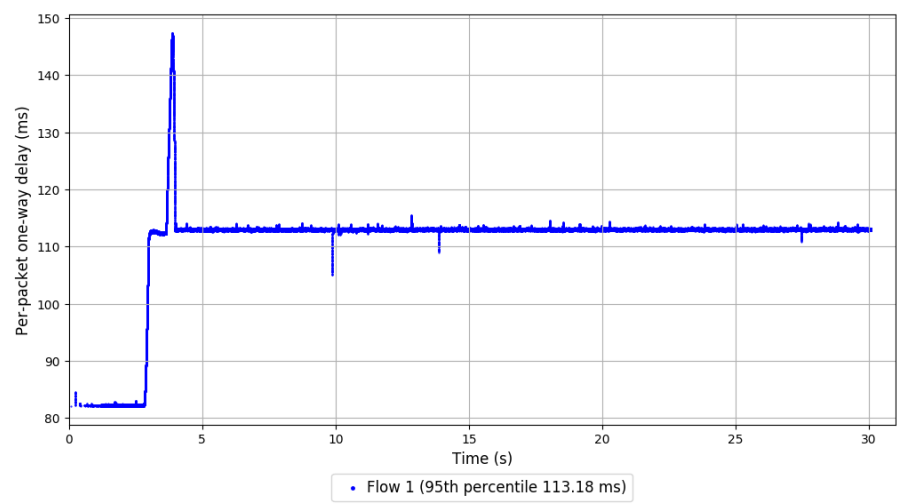
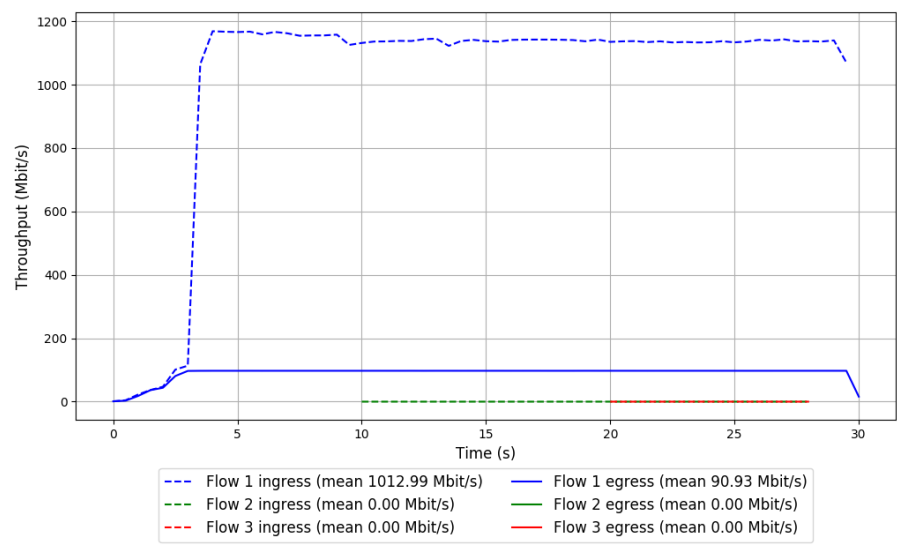


Run 4: Statistics of Copa

Start at: 2018-02-20 15:07:03
End at: 2018-02-20 15:07:33
Local clock offset: -12.851 ms
Remote clock offset: -3.545 ms

Below is generated by plot.py at 2018-02-20 18:23:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 113.179 ms
Loss rate: 91.01%
-- Flow 1:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 113.179 ms
Loss rate: 91.01%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 4: Report of Copa — Data Link

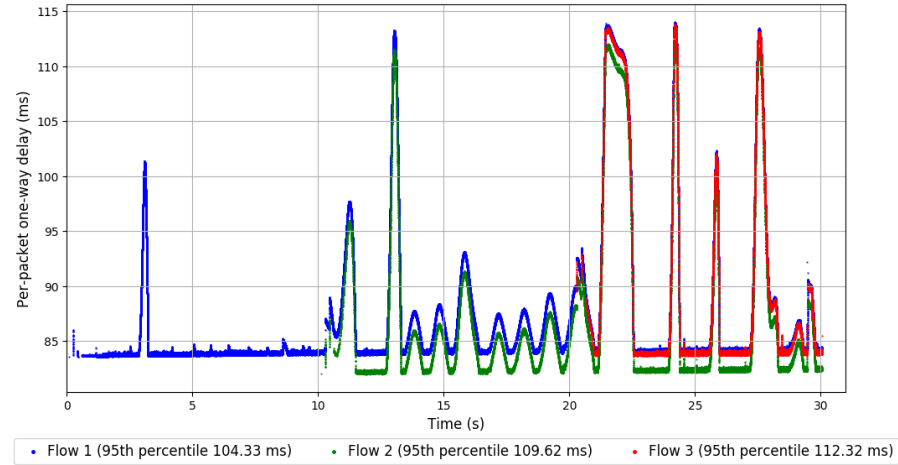
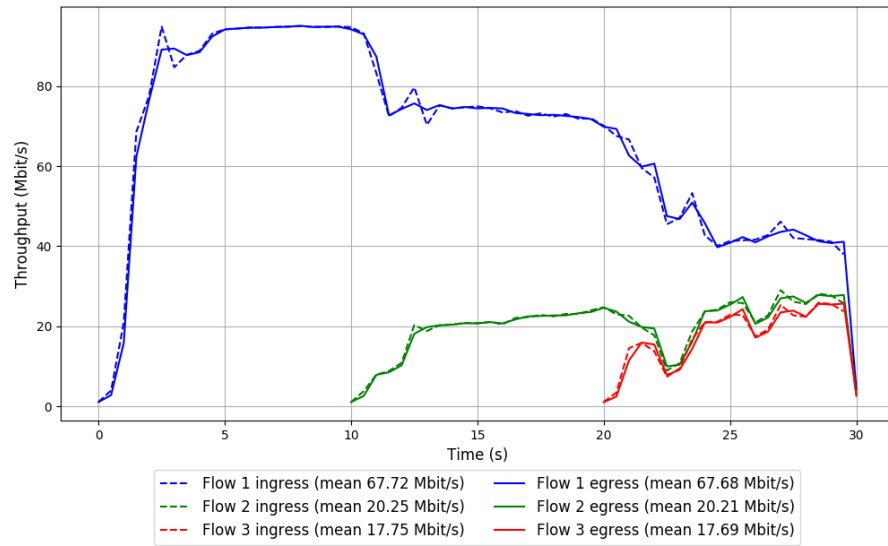


Run 5: Statistics of Copa

Start at: 2018-02-20 15:30:50
End at: 2018-02-20 15:31:20
Local clock offset: -11.622 ms
Remote clock offset: -4.794 ms

Below is generated by plot.py at 2018-02-20 18:23:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 108.692 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 104.325 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 109.617 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 112.320 ms
Loss rate: 0.41%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-20 15:54:21

End at: 2018-02-20 15:54:51

Local clock offset: -2.72 ms

Remote clock offset: 0.732 ms

Below is generated by plot.py at 2018-02-20 18:23:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.81 Mbit/s

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

Loss rate: 90.93%

-- Flow 1:

Average throughput: 92.81 Mbit/s

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

Loss rate: 90.93%

-- Flow 2:

Average throughput: 0.00 Mbit/s

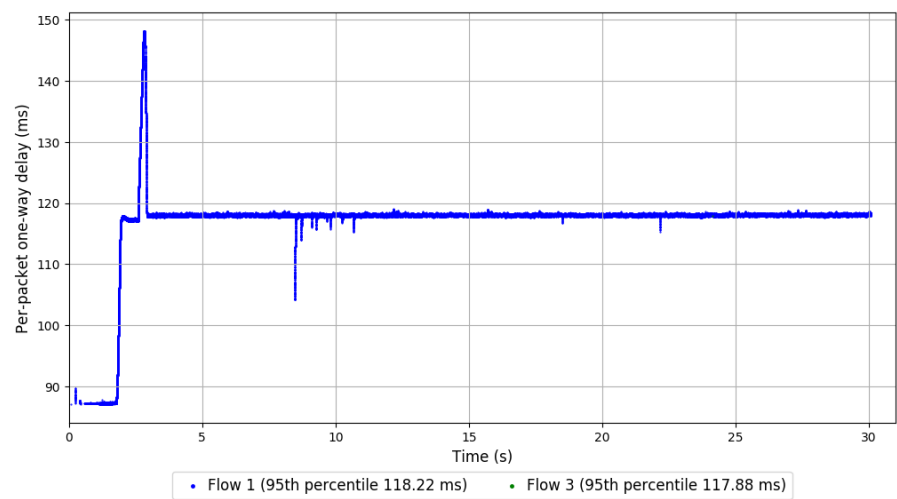
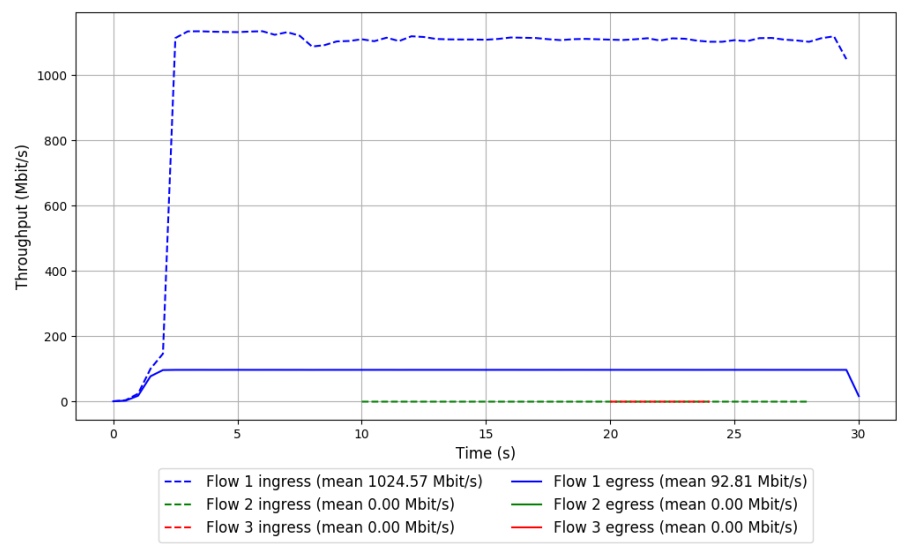
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 117.875 ms

Loss rate: 66.67%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-20 16:18:11

End at: 2018-02-20 16:18:41

Local clock offset: -4.525 ms

Remote clock offset: 2.303 ms

Below is generated by plot.py at 2018-02-20 18:23:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 105.884 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 105.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.97 Mbit/s

95th percentile per-packet one-way delay: 106.700 ms

Loss rate: 0.00%

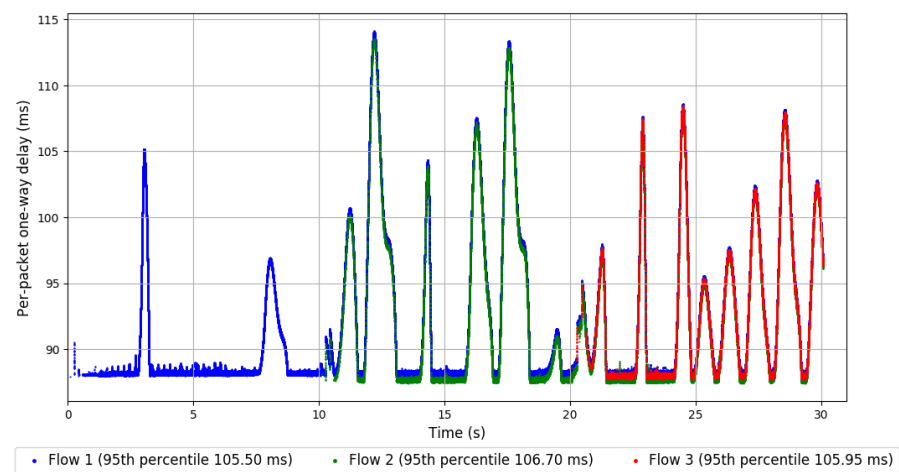
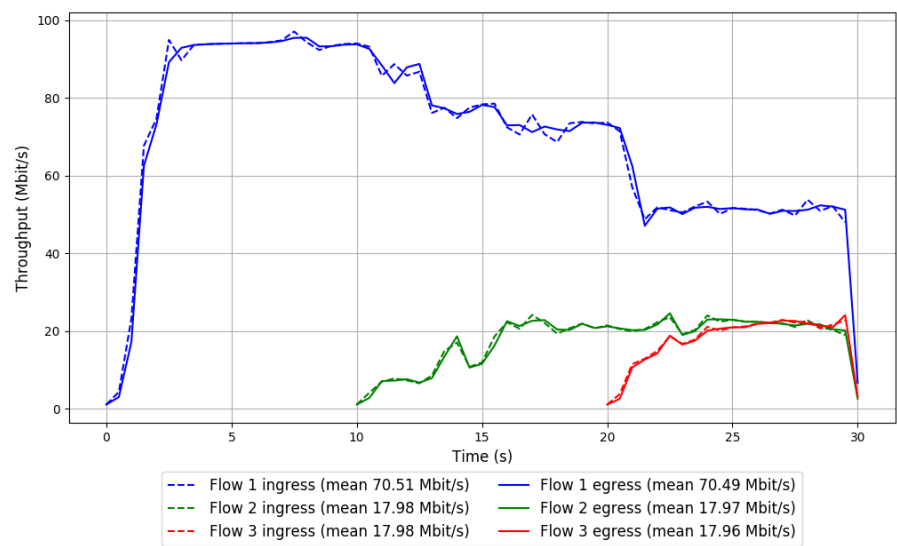
-- Flow 3:

Average throughput: 17.96 Mbit/s

95th percentile per-packet one-way delay: 105.950 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

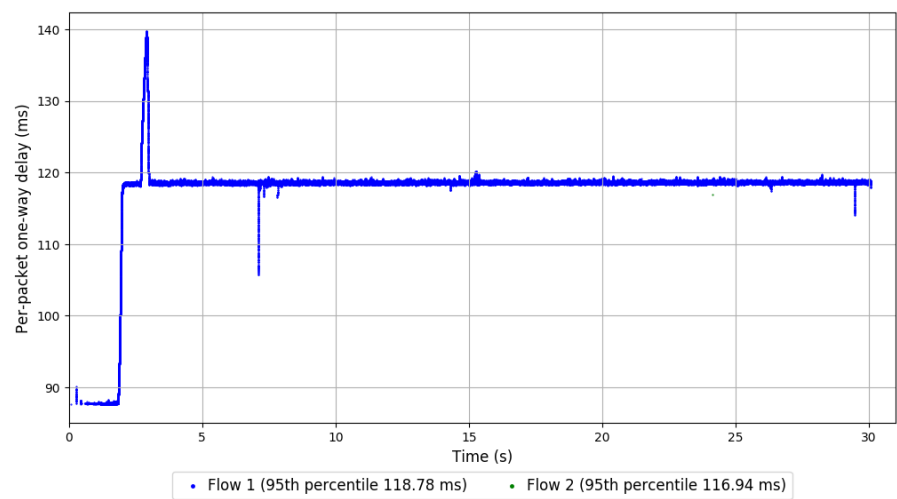
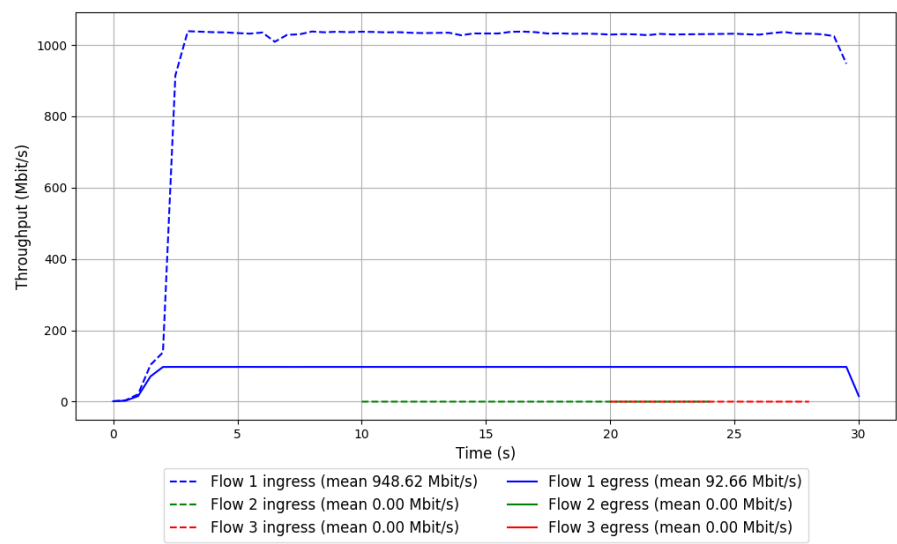


Run 8: Statistics of Copa

Start at: 2018-02-20 16:41:45
End at: 2018-02-20 16:42:15
Local clock offset: -3.866 ms
Remote clock offset: 1.776 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 118.782 ms
Loss rate: 90.22%
-- Flow 1:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 118.782 ms
Loss rate: 90.22%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 116.942 ms
Loss rate: 87.50%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-20 17:05:31

End at: 2018-02-20 17:06:01

Local clock offset: -0.783 ms

Remote clock offset: 3.695 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.30 Mbit/s

95th percentile per-packet one-way delay: 105.096 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 73.40 Mbit/s

95th percentile per-packet one-way delay: 105.213 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 101.055 ms

Loss rate: 0.00%

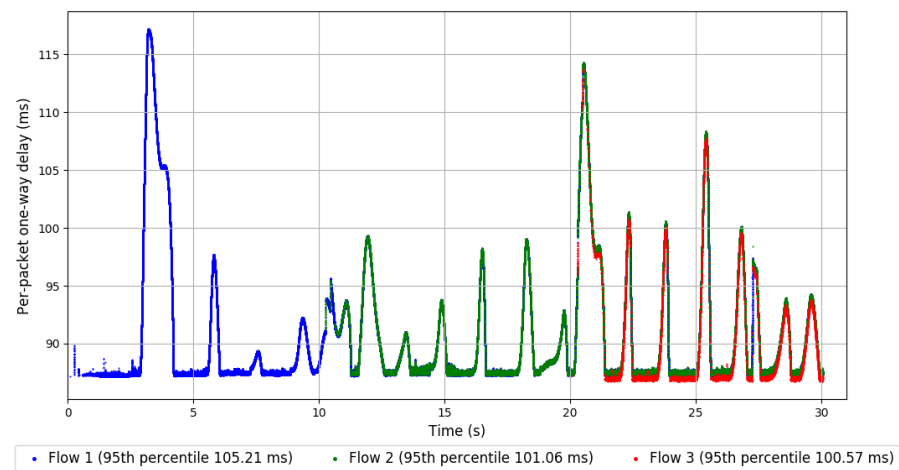
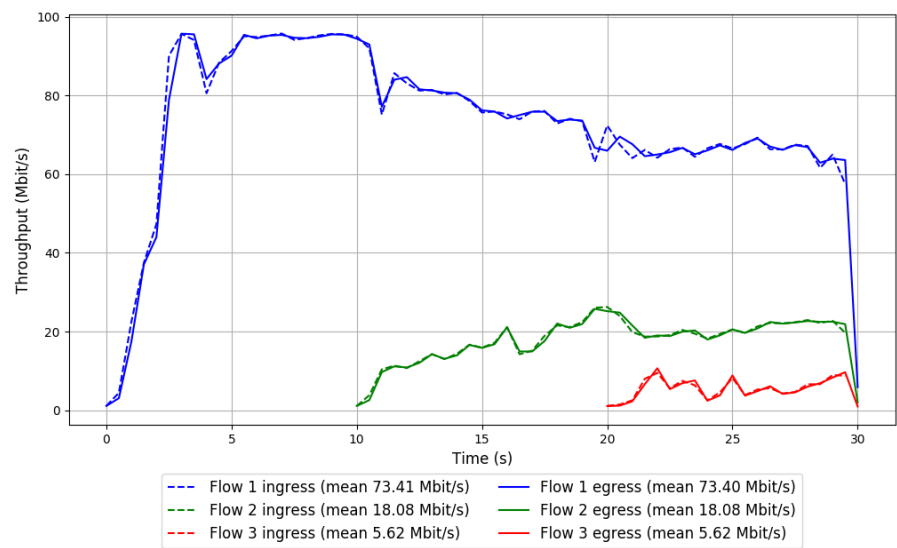
-- Flow 3:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 100.566 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-20 17:29:05

End at: 2018-02-20 17:29:35

Local clock offset: 2.613 ms

Remote clock offset: 3.473 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 107.280 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 72.72 Mbit/s

95th percentile per-packet one-way delay: 106.076 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 19.35 Mbit/s

95th percentile per-packet one-way delay: 108.785 ms

Loss rate: 0.05%

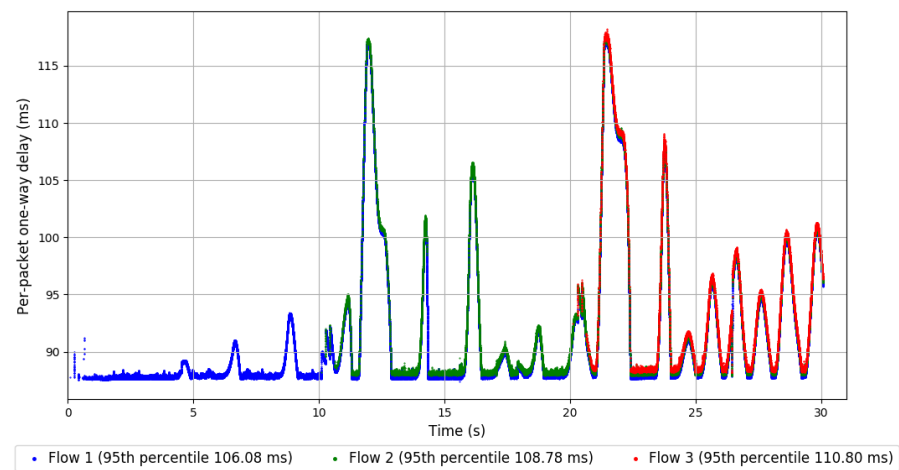
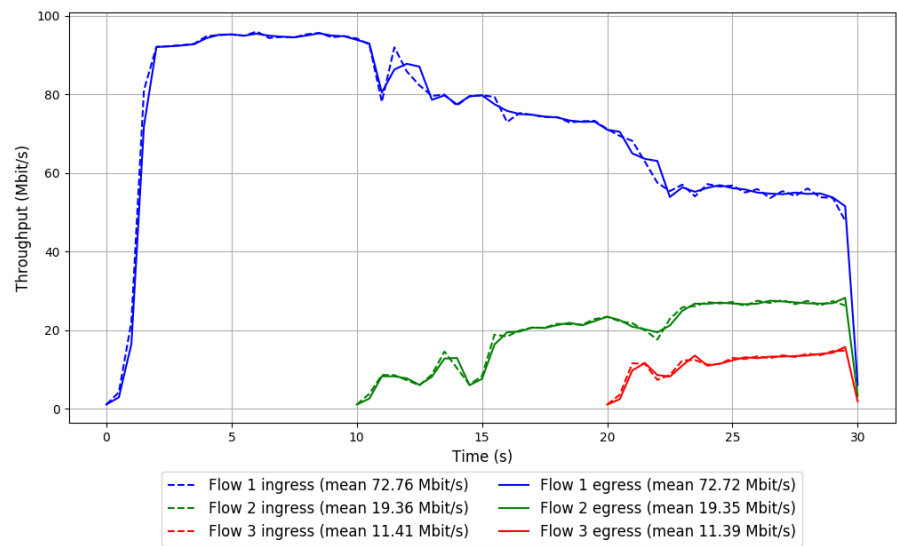
-- Flow 3:

Average throughput: 11.39 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 0.14%

Run 10: Report of Copa — Data Link

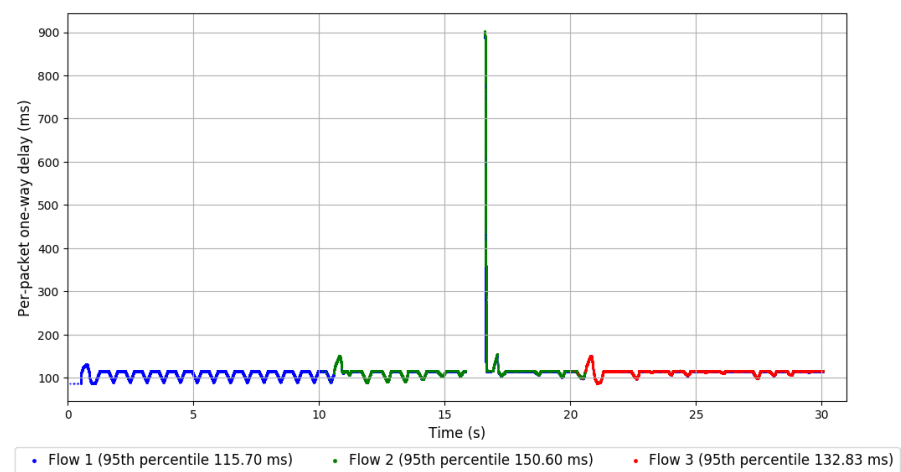
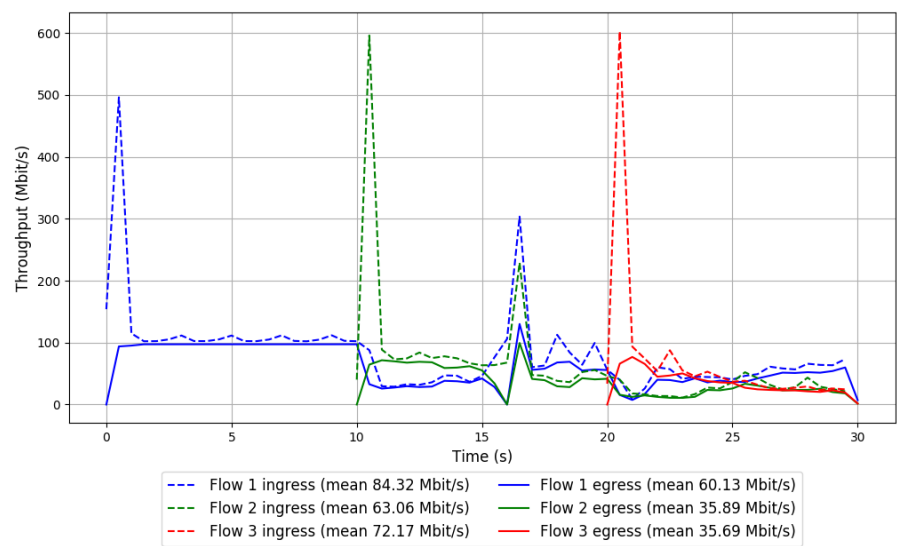


Run 1: Statistics of FillP

Start at: 2018-02-20 14:01:42
End at: 2018-02-20 14:02:12
Local clock offset: -14.493 ms
Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 129.540 ms
Loss rate: 36.15%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 115.701 ms
Loss rate: 28.62%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 150.596 ms
Loss rate: 43.09%
-- Flow 3:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 132.834 ms
Loss rate: 50.55%

Run 1: Report of FillP — Data Link

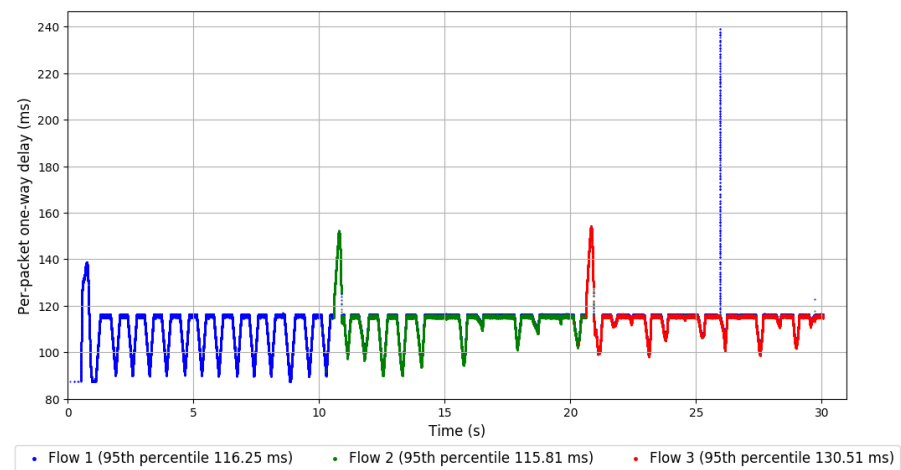
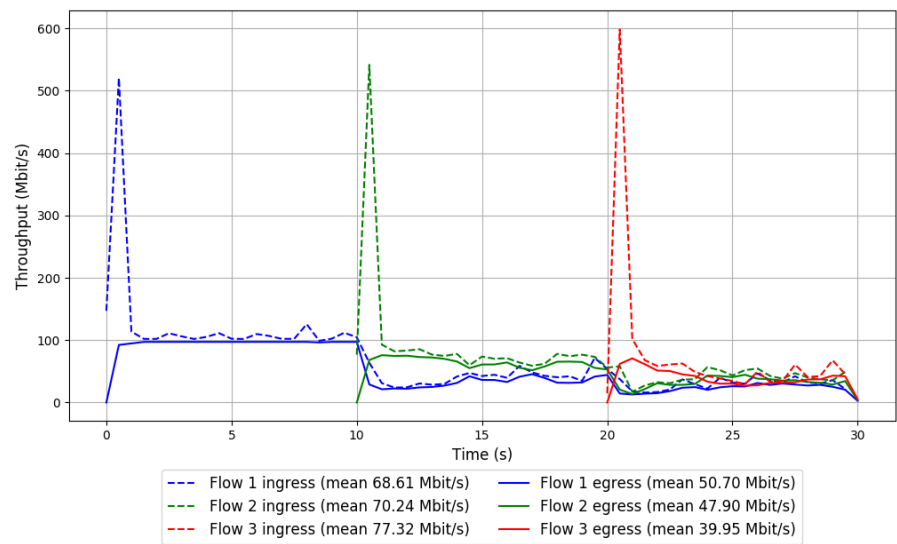


Run 2: Statistics of FillP

Start at: 2018-02-20 14:25:16
End at: 2018-02-20 14:25:46
Local clock offset: -15.562 ms
Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 116.231 ms
Loss rate: 31.99%
-- Flow 1:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 116.252 ms
Loss rate: 26.03%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 115.807 ms
Loss rate: 31.79%
-- Flow 3:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 130.508 ms
Loss rate: 48.32%

Run 2: Report of FillP — Data Link

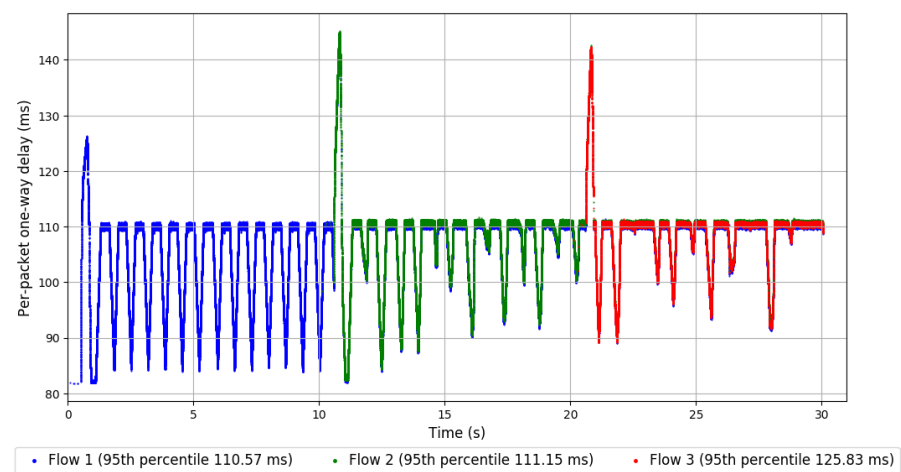
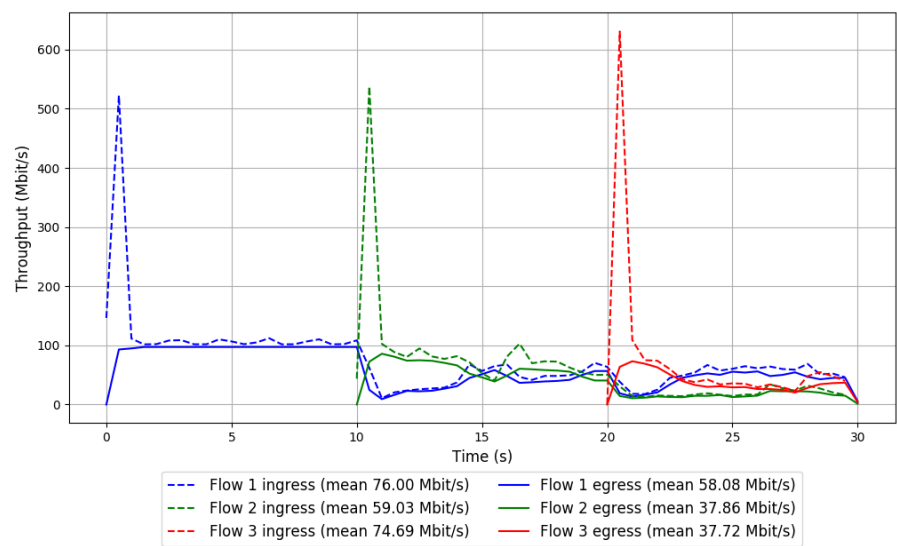


Run 3: Statistics of FillP

Start at: 2018-02-20 14:48:48
End at: 2018-02-20 14:49:18
Local clock offset: -14.773 ms
Remote clock offset: -3.553 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 111.025 ms
Loss rate: 31.56%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 110.570 ms
Loss rate: 23.51%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 111.151 ms
Loss rate: 35.83%
-- Flow 3:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 125.835 ms
Loss rate: 49.50%

Run 3: Report of FillP — Data Link

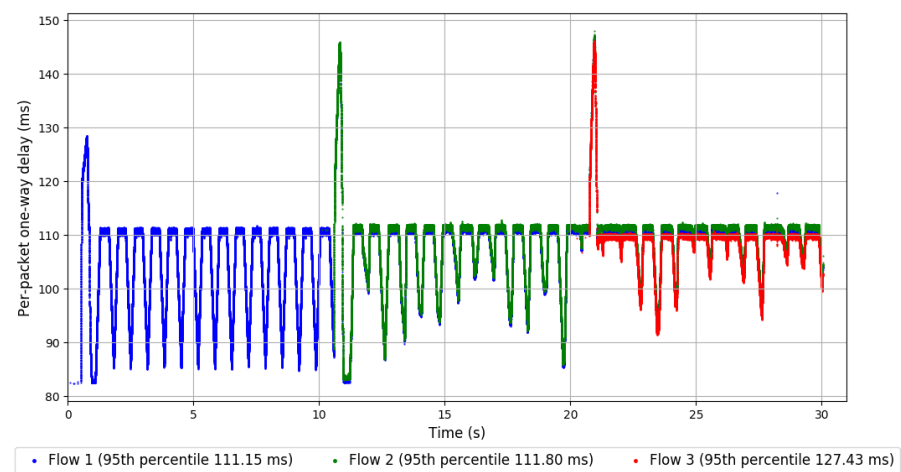
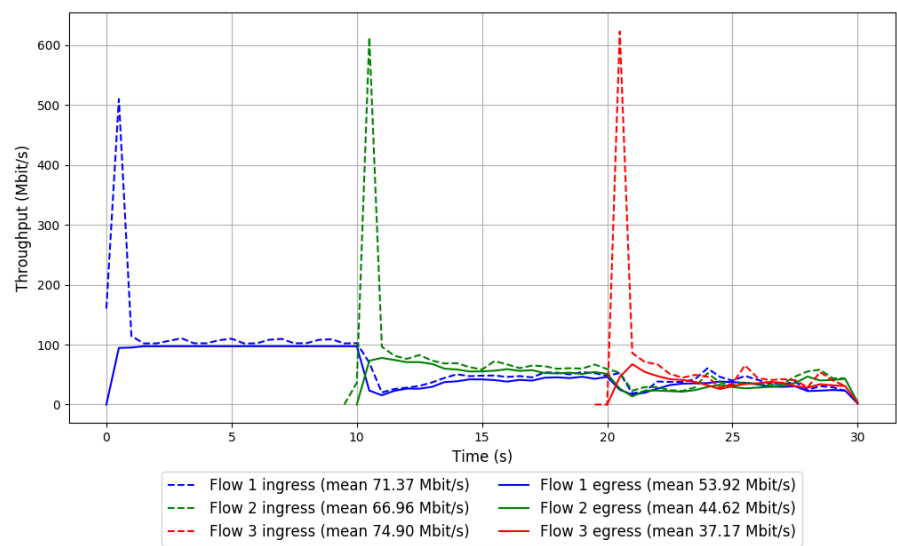


Run 4: Statistics of FillP

Start at: 2018-02-20 15:12:35
End at: 2018-02-20 15:13:05
Local clock offset: -12.428 ms
Remote clock offset: -4.332 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 111.704 ms
Loss rate: 31.97%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 111.154 ms
Loss rate: 24.38%
-- Flow 2:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 111.796 ms
Loss rate: 33.39%
-- Flow 3:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 127.426 ms
Loss rate: 51.16%

Run 4: Report of FillP — Data Link

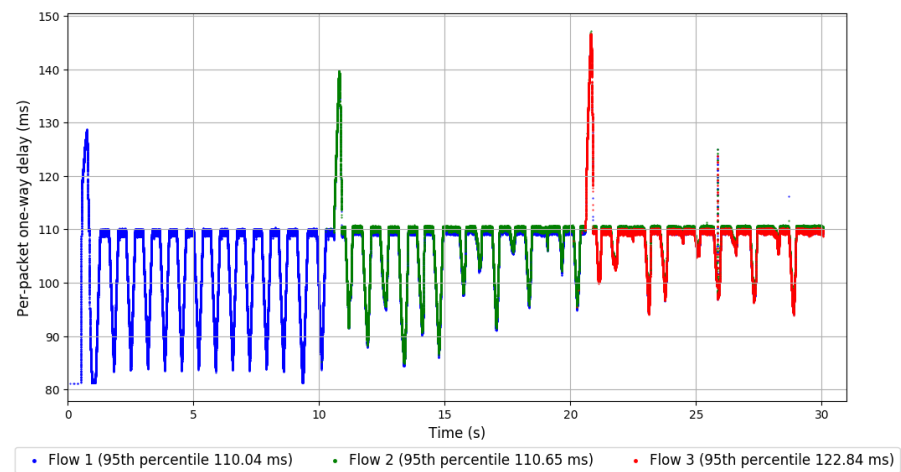
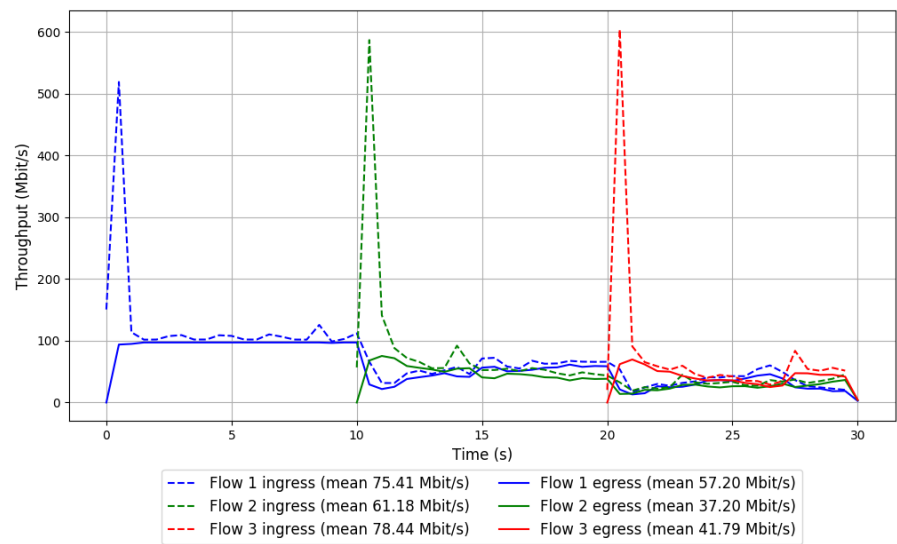


Run 5: Statistics of FillP

Start at: 2018-02-20 15:36:03
End at: 2018-02-20 15:36:33
Local clock offset: -7.869 ms
Remote clock offset: -4.811 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 110.527 ms
Loss rate: 32.53%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 110.038 ms
Loss rate: 24.08%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 110.652 ms
Loss rate: 39.12%
-- Flow 3:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 122.841 ms
Loss rate: 46.71%

Run 5: Report of FillP — Data Link

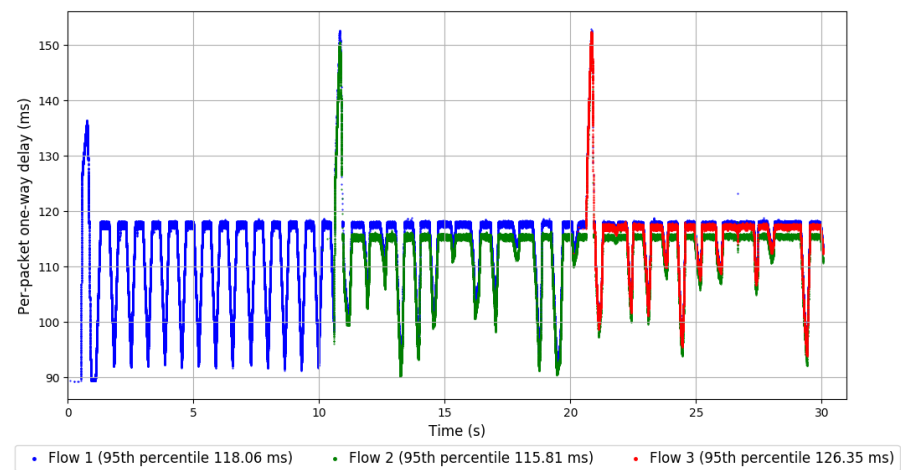
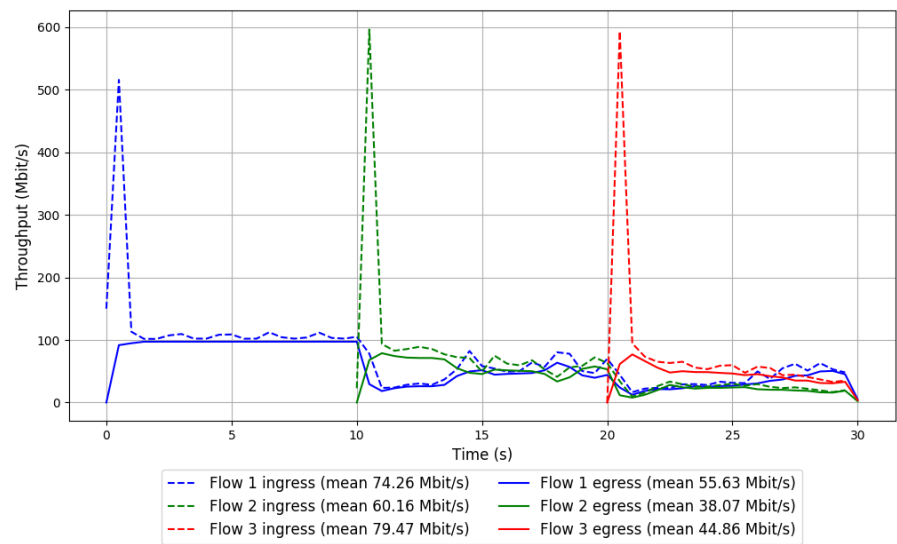


Run 6: Statistics of FillP

Start at: 2018-02-20 15:59:54
End at: 2018-02-20 16:00:24
Local clock offset: -1.869 ms
Remote clock offset: 0.753 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 118.044 ms
Loss rate: 31.83%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 118.056 ms
Loss rate: 25.04%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 115.810 ms
Loss rate: 36.74%
-- Flow 3:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 126.351 ms
Loss rate: 43.54%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-20 16:23:25

End at: 2018-02-20 16:23:55

Local clock offset: -4.825 ms

Remote clock offset: 1.79 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 117.358 ms

Loss rate: 33.02%

-- Flow 1:

Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 115.351 ms

Loss rate: 24.81%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 117.482 ms

Loss rate: 37.15%

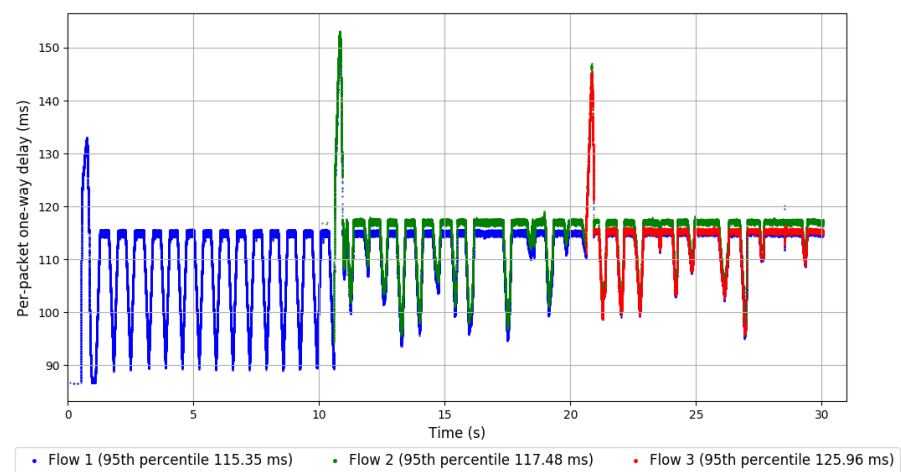
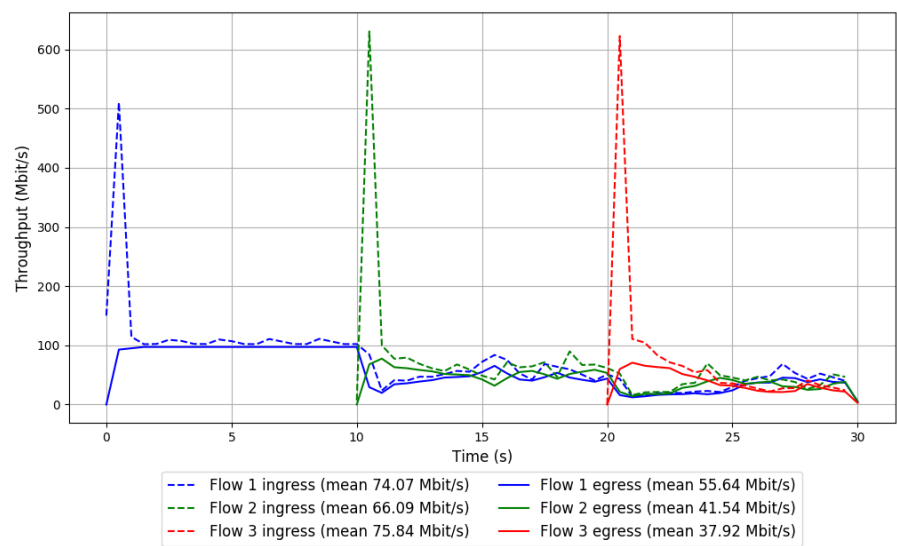
-- Flow 3:

Average throughput: 37.92 Mbit/s

95th percentile per-packet one-way delay: 125.957 ms

Loss rate: 49.99%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-20 16:47:15

End at: 2018-02-20 16:47:45

Local clock offset: -2.636 ms

Remote clock offset: 2.917 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 117.045 ms

Loss rate: 32.91%

-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 115.881 ms

Loss rate: 26.23%

-- Flow 2:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 115.674 ms

Loss rate: 32.51%

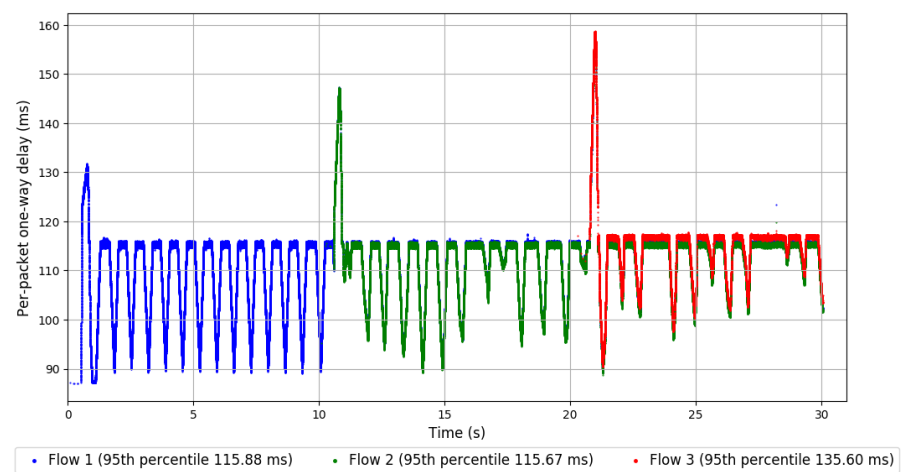
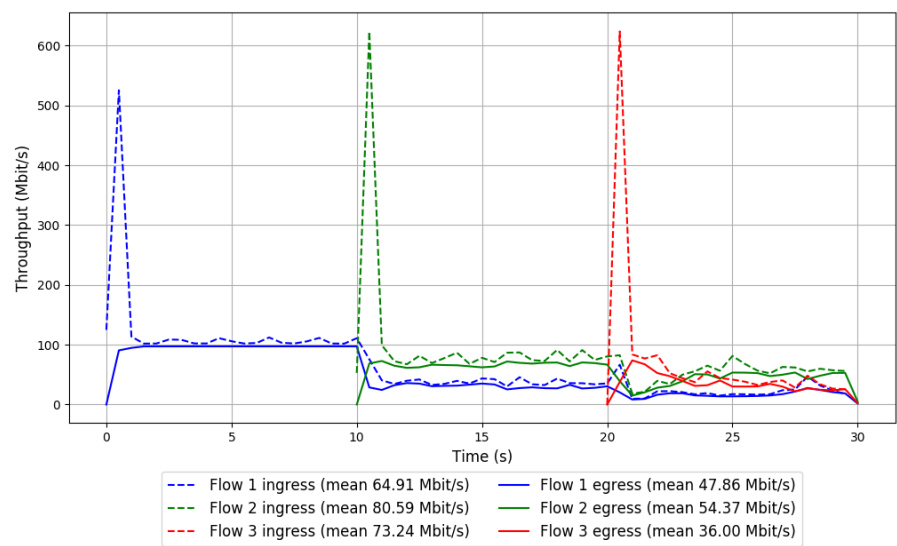
-- Flow 3:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 135.600 ms

Loss rate: 51.67%

Run 8: Report of FillP — Data Link

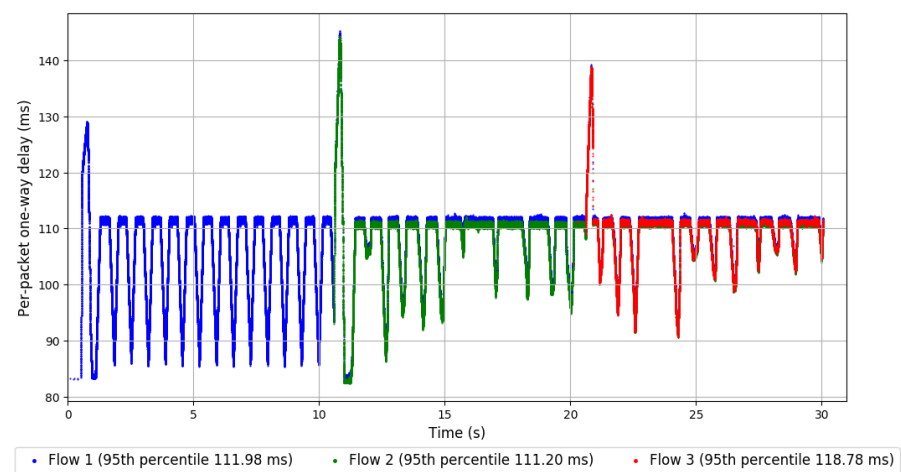
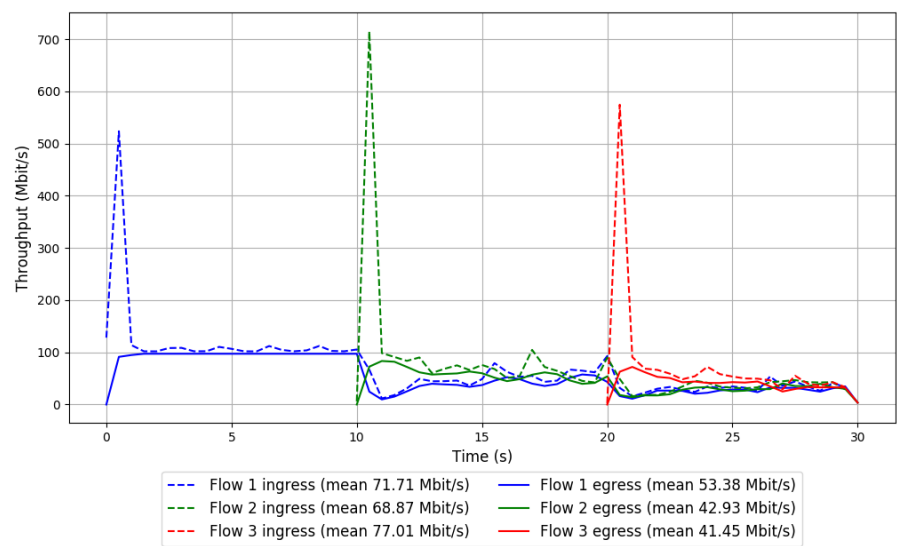


Run 9: Statistics of FillP

Start at: 2018-02-20 17:10:45
End at: 2018-02-20 17:11:15
Local clock offset: -0.395 ms
Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 111.964 ms
Loss rate: 33.08%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 25.50%
-- Flow 2:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 111.199 ms
Loss rate: 37.65%
-- Flow 3:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 118.777 ms
Loss rate: 46.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-20 17:34:23

End at: 2018-02-20 17:34:53

Local clock offset: 3.209 ms

Remote clock offset: 3.865 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 117.679 ms

Loss rate: 33.02%

-- Flow 1:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 116.037 ms

Loss rate: 25.22%

-- Flow 2:

Average throughput: 45.12 Mbit/s

95th percentile per-packet one-way delay: 117.714 ms

Loss rate: 37.05%

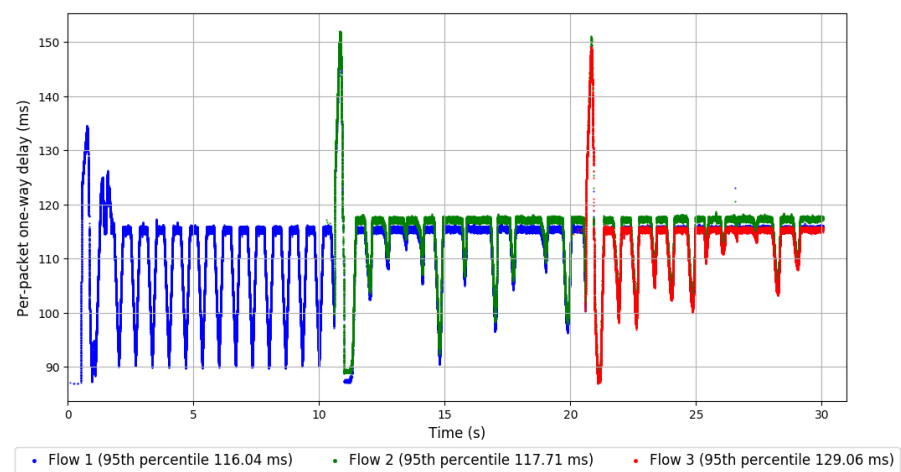
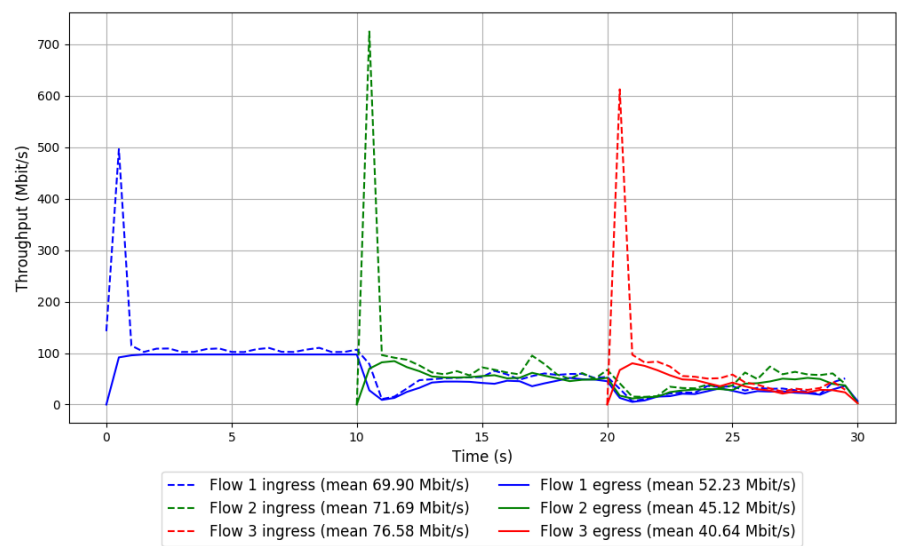
-- Flow 3:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 129.057 ms

Loss rate: 46.92%

Run 10: Report of FillP — Data Link

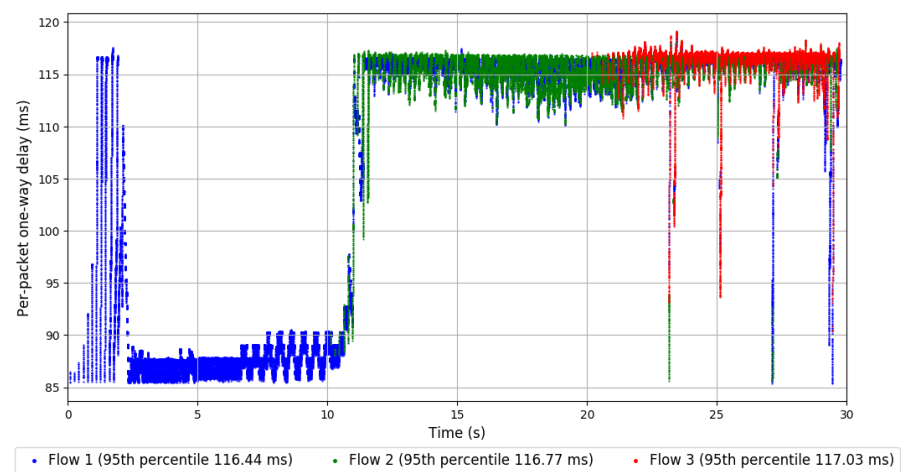
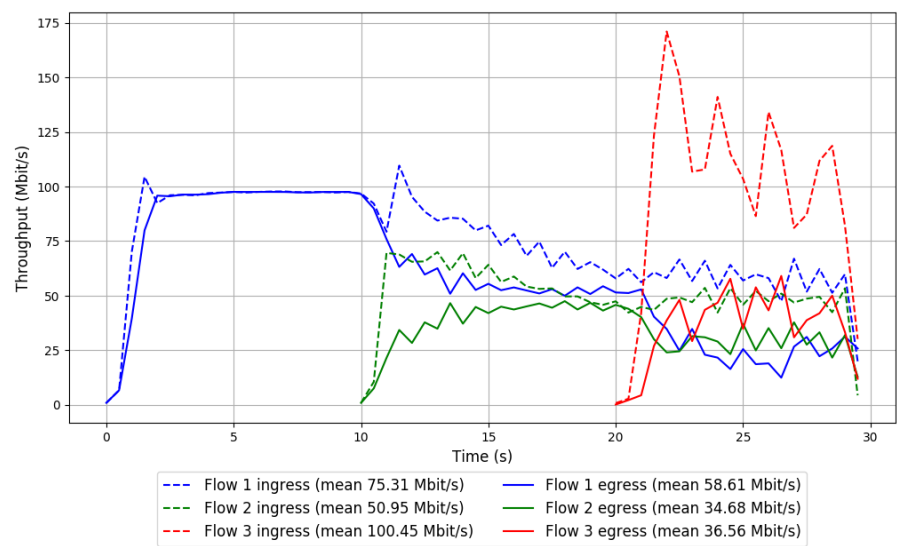


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 13:48:17
End at: 2018-02-20 13:48:47
Local clock offset: -11.229 ms
Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 116.864 ms
Loss rate: 33.91%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 116.438 ms
Loss rate: 22.10%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 116.772 ms
Loss rate: 31.85%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 117.035 ms
Loss rate: 63.60%

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

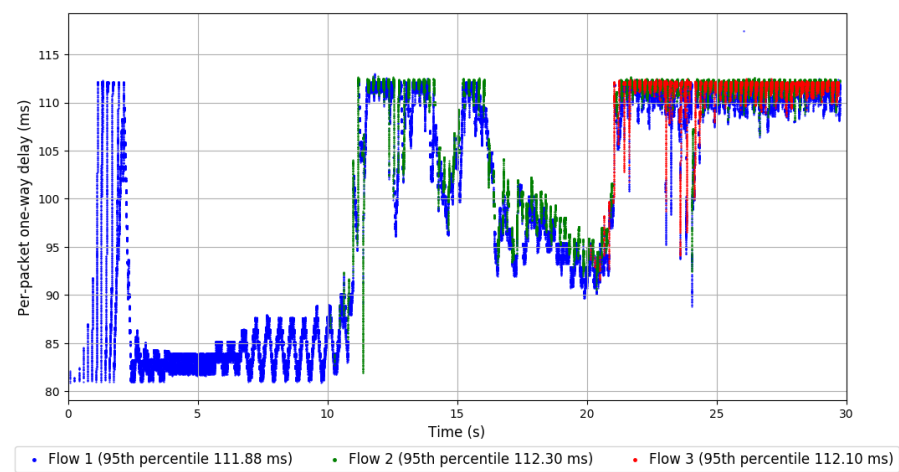
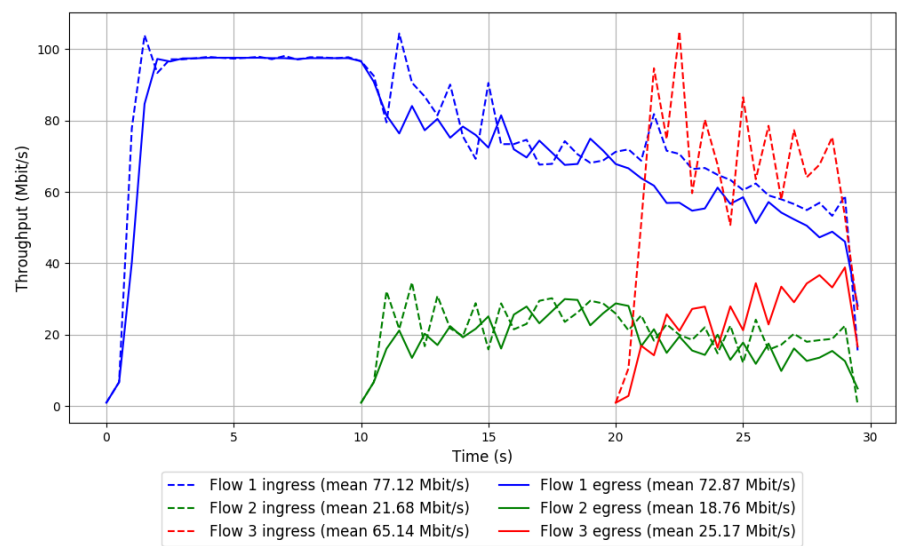


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 14:12:06
End at: 2018-02-20 14:12:36
Local clock offset: -15.524 ms
Remote clock offset: -4.444 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 112.067 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 111.883 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 112.300 ms
Loss rate: 13.36%
-- Flow 3:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 112.102 ms
Loss rate: 61.29%

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

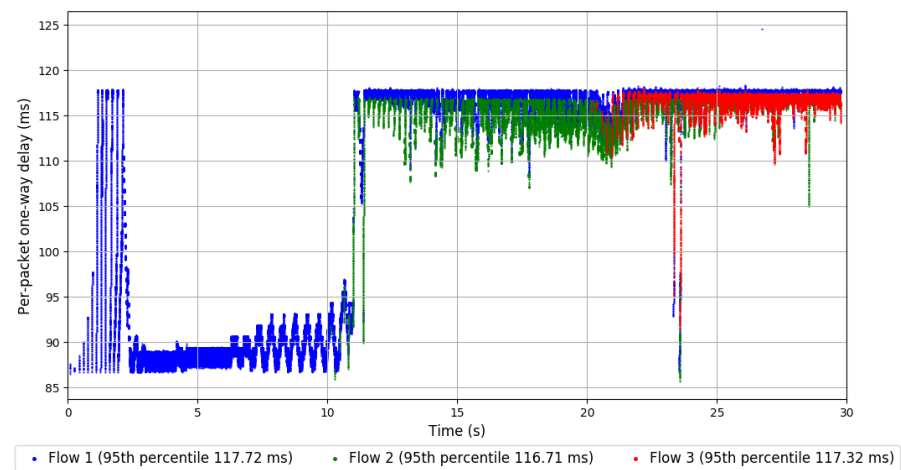
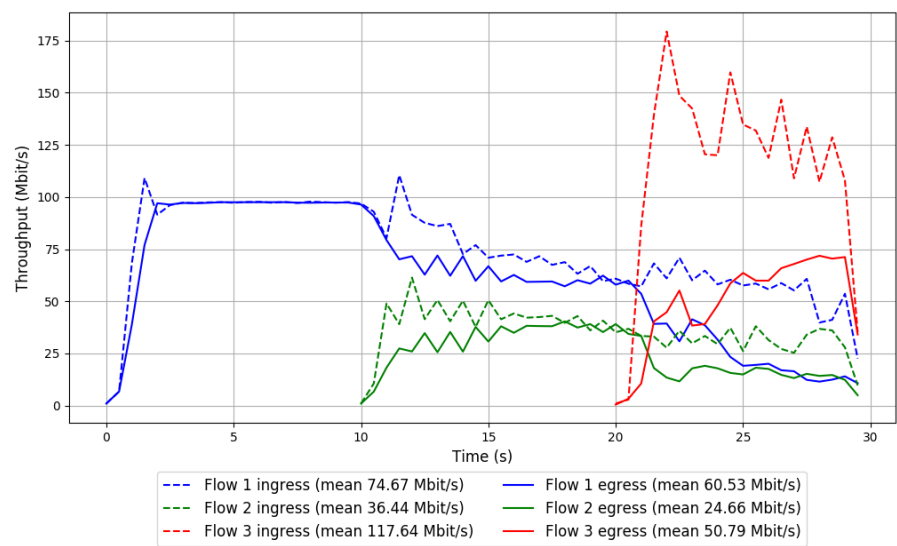


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 14:35:39
End at: 2018-02-20 14:36:09
Local clock offset: -14.776 ms
Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 117.674 ms
Loss rate: 31.76%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 117.721 ms
Loss rate: 18.84%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 116.714 ms
Loss rate: 32.23%
-- Flow 3:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 117.317 ms
Loss rate: 56.81%

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

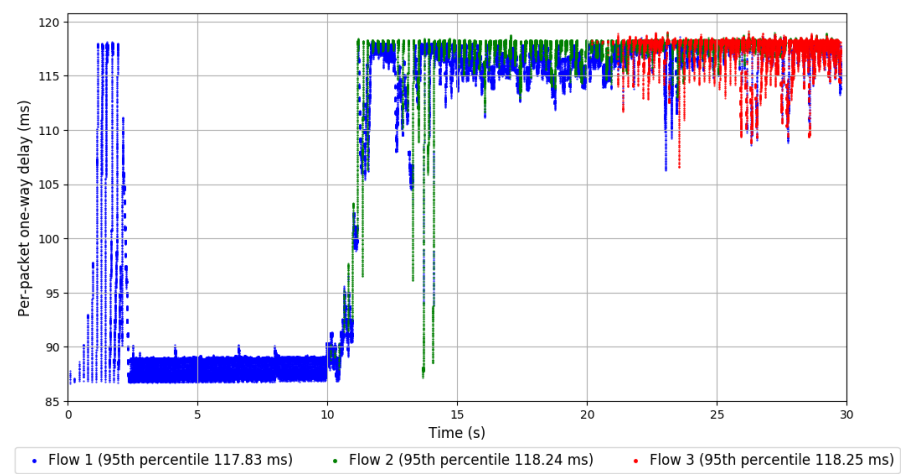
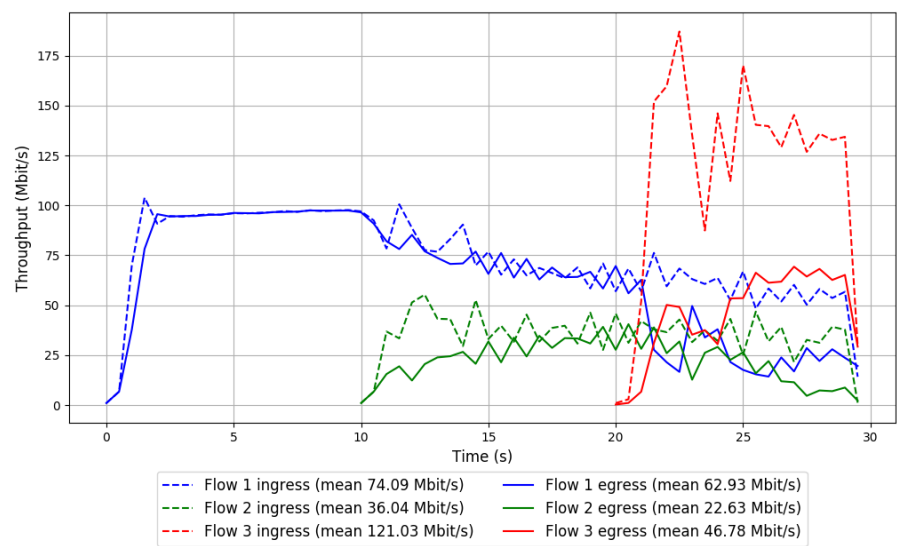


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 14:59:08
End at: 2018-02-20 14:59:38
Local clock offset: -14.015 ms
Remote clock offset: 1.344 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 118.173 ms
Loss rate: 32.06%
-- Flow 1:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 117.826 ms
Loss rate: 14.98%
-- Flow 2:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 118.236 ms
Loss rate: 37.10%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 118.249 ms
Loss rate: 61.35%

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

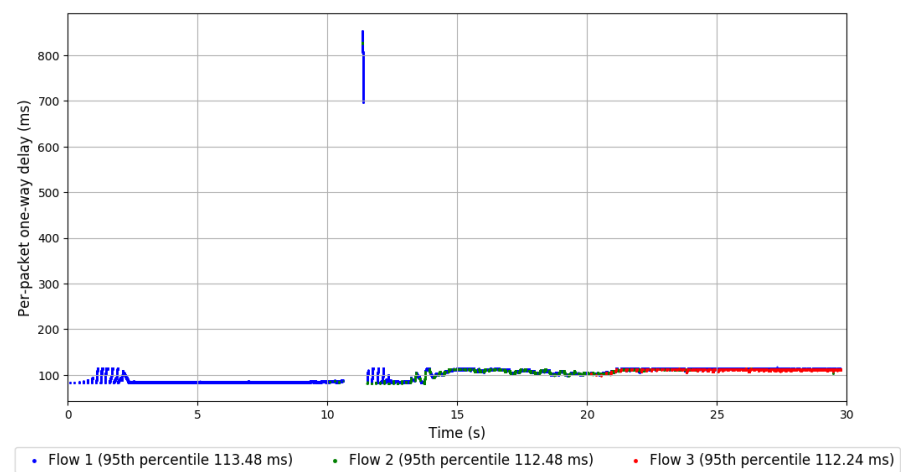
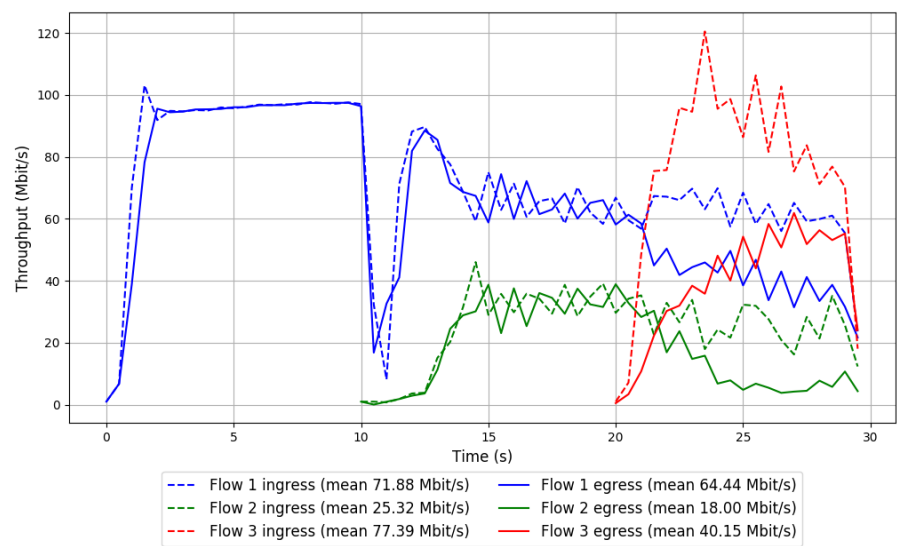


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 15:22:55
End at: 2018-02-20 15:23:25
Local clock offset: -12.019 ms
Remote clock offset: -4.537 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 21.33%
-- Flow 1:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 113.485 ms
Loss rate: 10.26%
-- Flow 2:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 112.485 ms
Loss rate: 28.82%
-- Flow 3:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 112.239 ms
Loss rate: 48.08%

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

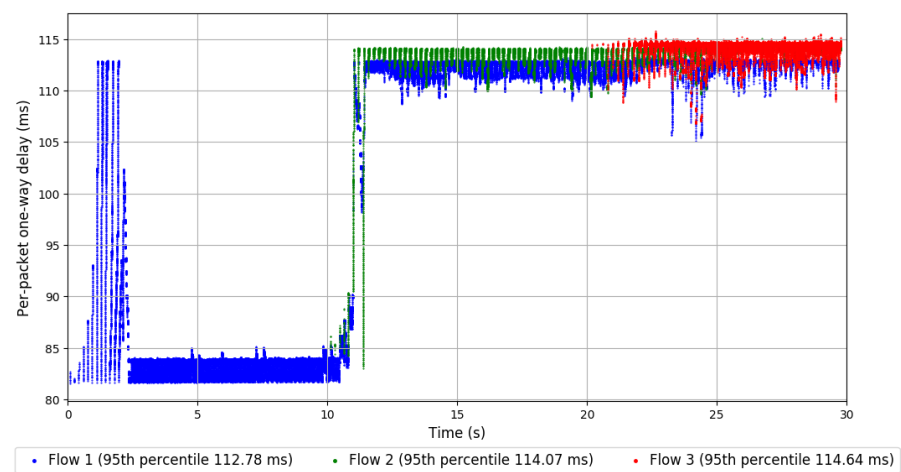
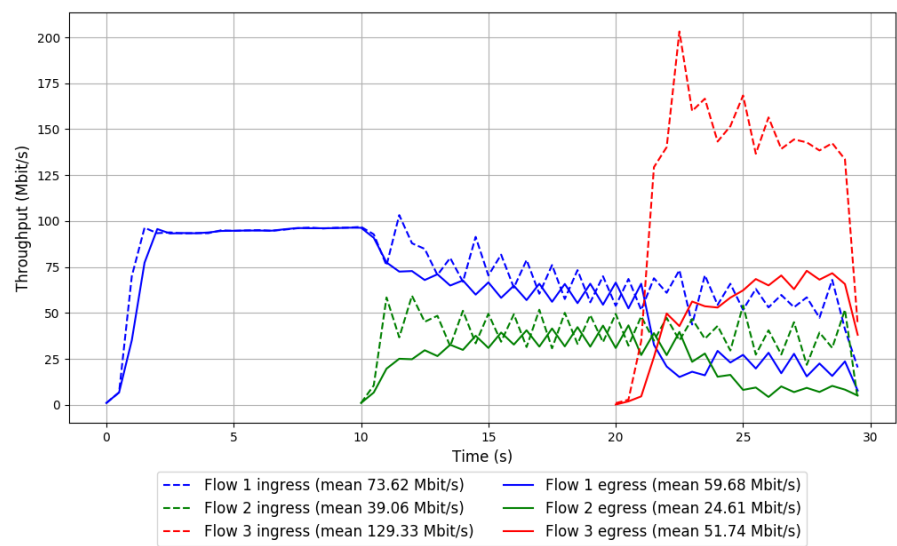


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 15:46:24
End at: 2018-02-20 15:46:54
Local clock offset: -4.332 ms
Remote clock offset: -4.961 ms

Below is generated by plot.py at 2018-02-20 18:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 114.529 ms
Loss rate: 34.35%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 112.785 ms
Loss rate: 18.85%
-- Flow 2:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 114.069 ms
Loss rate: 36.91%
-- Flow 3:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 114.636 ms
Loss rate: 60.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 16:10:17

End at: 2018-02-20 16:10:47

Local clock offset: -3.286 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-02-20 18:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 118.550 ms

Loss rate: 38.52%

-- Flow 1:

Average throughput: 62.26 Mbit/s

95th percentile per-packet one-way delay: 116.813 ms

Loss rate: 18.63%

-- Flow 2:

Average throughput: 26.50 Mbit/s

95th percentile per-packet one-way delay: 118.611 ms

Loss rate: 51.16%

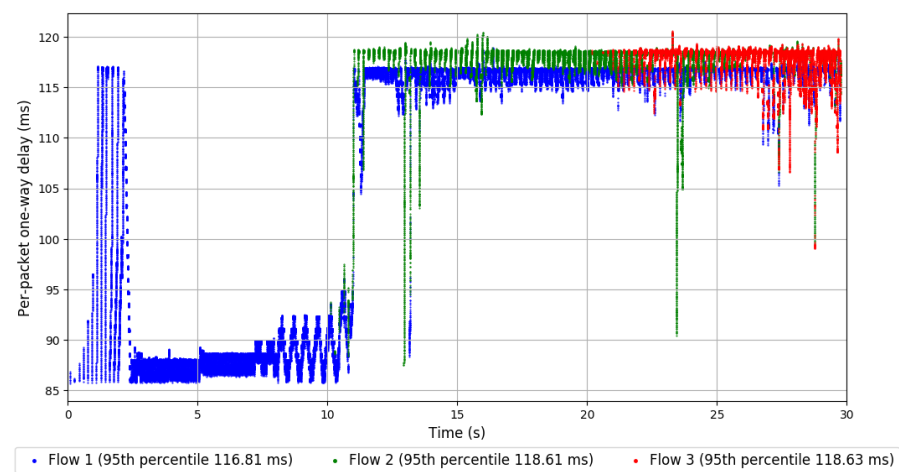
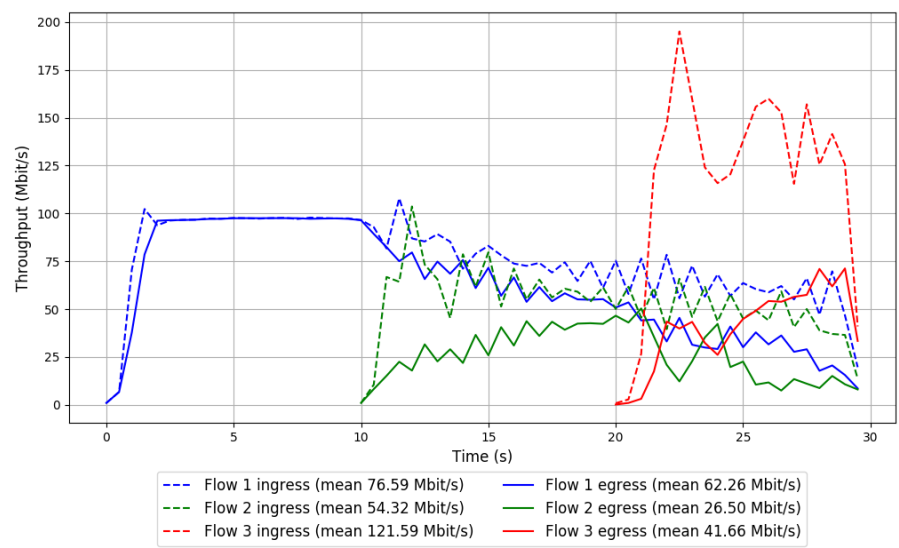
-- Flow 3:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 118.632 ms

Loss rate: 65.74%

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

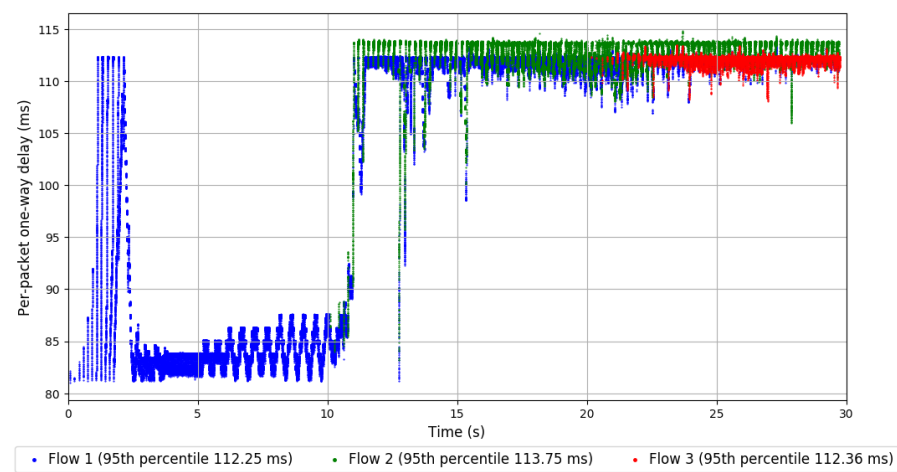
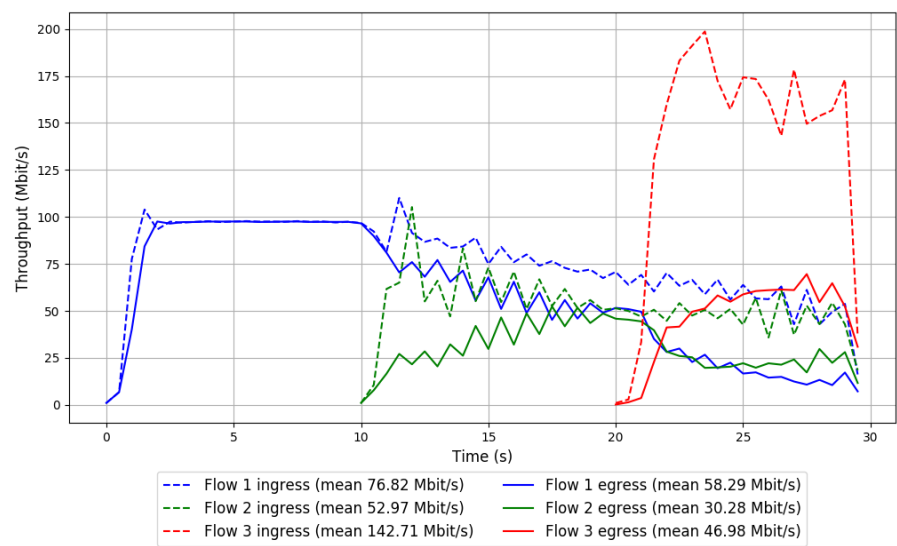


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 16:33:48
End at: 2018-02-20 16:34:18
Local clock offset: -4.847 ms
Remote clock offset: -3.383 ms

Below is generated by plot.py at 2018-02-20 18:24:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 113.633 ms
Loss rate: 40.76%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 112.248 ms
Loss rate: 24.04%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 113.753 ms
Loss rate: 42.76%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 112.355 ms
Loss rate: 67.08%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 16:57:36

End at: 2018-02-20 16:58:06

Local clock offset: -1.472 ms

Remote clock offset: -2.22 ms

Below is generated by plot.py at 2018-02-20 18:24:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 114.221 ms

Loss rate: 32.55%

-- Flow 1:

Average throughput: 64.05 Mbit/s

95th percentile per-packet one-way delay: 112.175 ms

Loss rate: 13.32%

-- Flow 2:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 112.287 ms

Loss rate: 40.29%

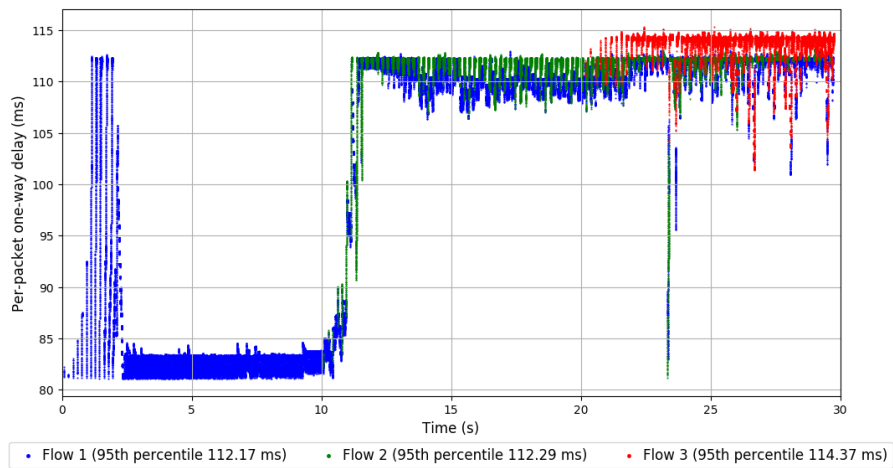
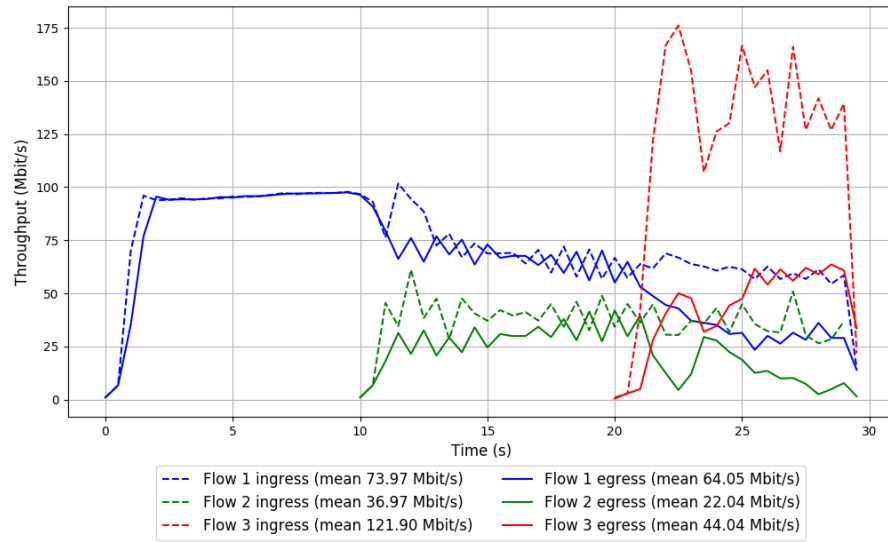
-- Flow 3:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 114.367 ms

Loss rate: 63.85%

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

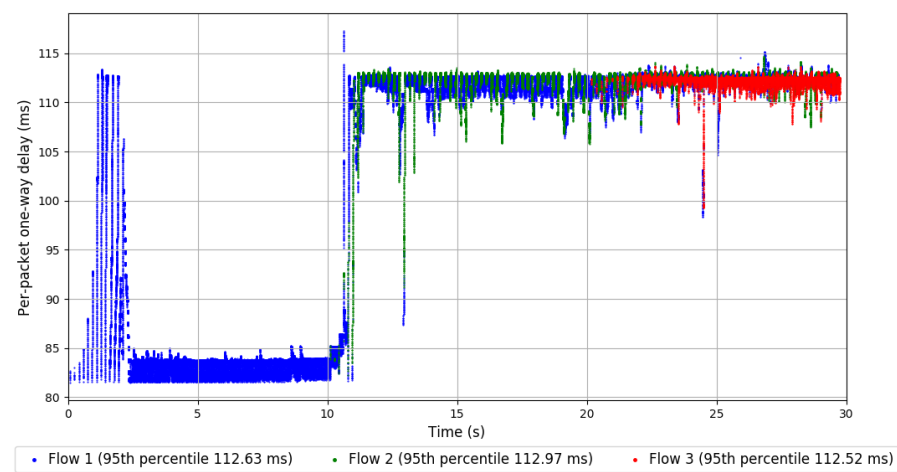
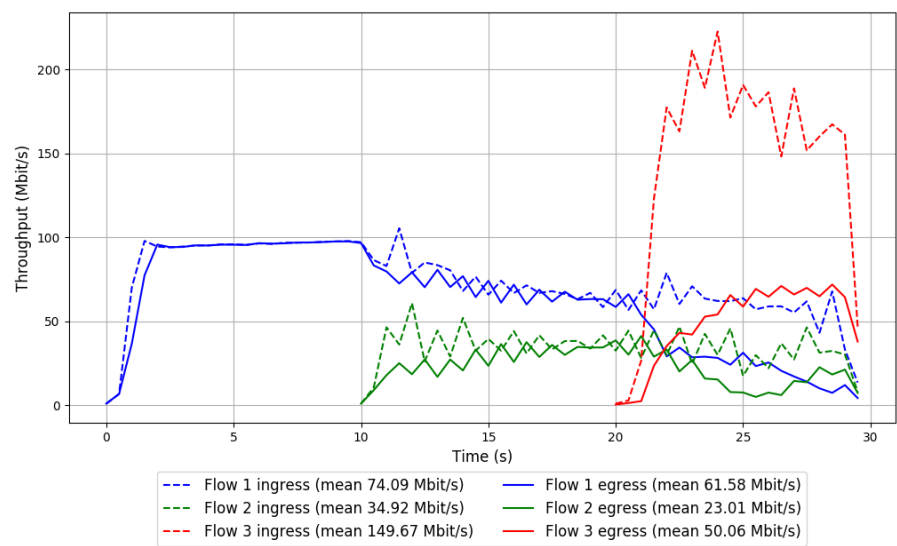


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 17:21:09
End at: 2018-02-20 17:21:39
Local clock offset: 1.529 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-02-20 18:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 112.819 ms
Loss rate: 36.08%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 16.80%
-- Flow 2:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 112.969 ms
Loss rate: 34.01%
-- Flow 3:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 112.515 ms
Loss rate: 66.55%

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

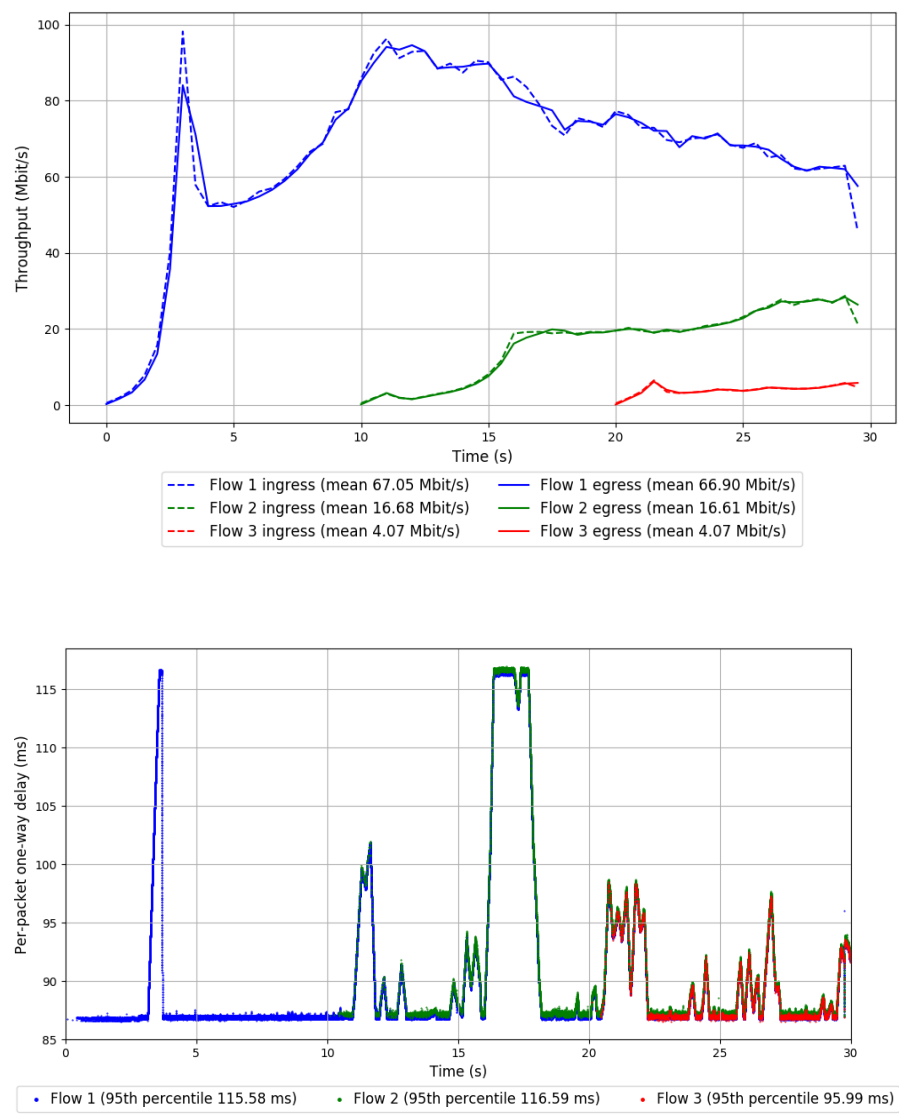


Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 13:54:53
End at: 2018-02-20 13:55:23
Local clock offset: -13.305 ms
Remote clock offset: 1.226 ms

Below is generated by plot.py at 2018-02-20 18:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 115.794 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 115.578 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 116.589 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 95.991 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

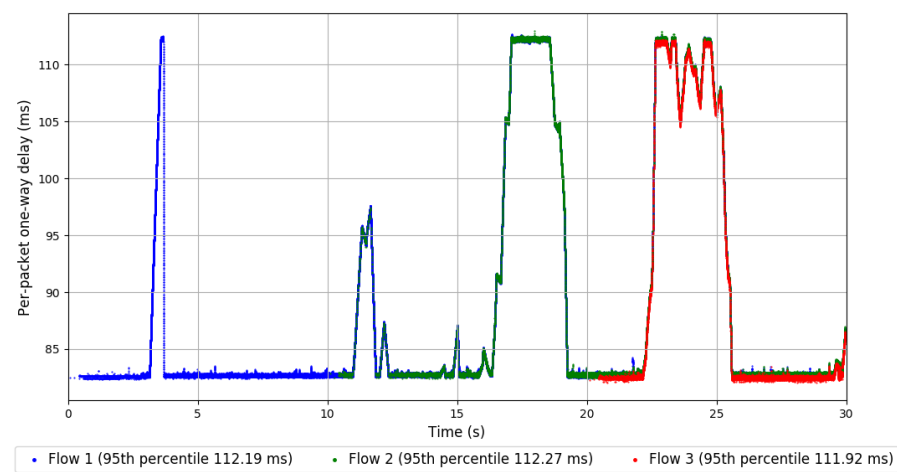
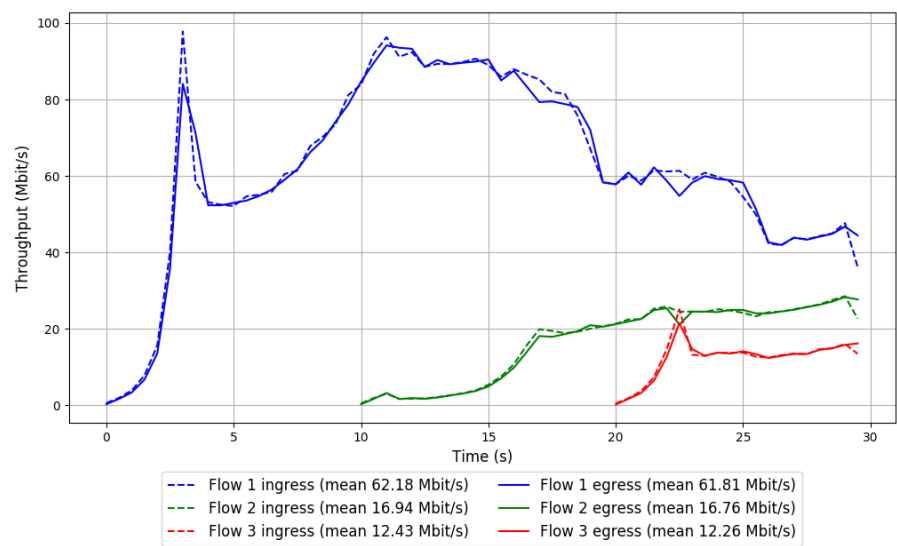


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 14:18:41
End at: 2018-02-20 14:19:11
Local clock offset: -15.977 ms
Remote clock offset: -3.685 ms

Below is generated by plot.py at 2018-02-20 18:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 112.198 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 112.193 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 112.265 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 111.922 ms
Loss rate: 1.32%

Run 2: Report of Vivace-latency — Data Link

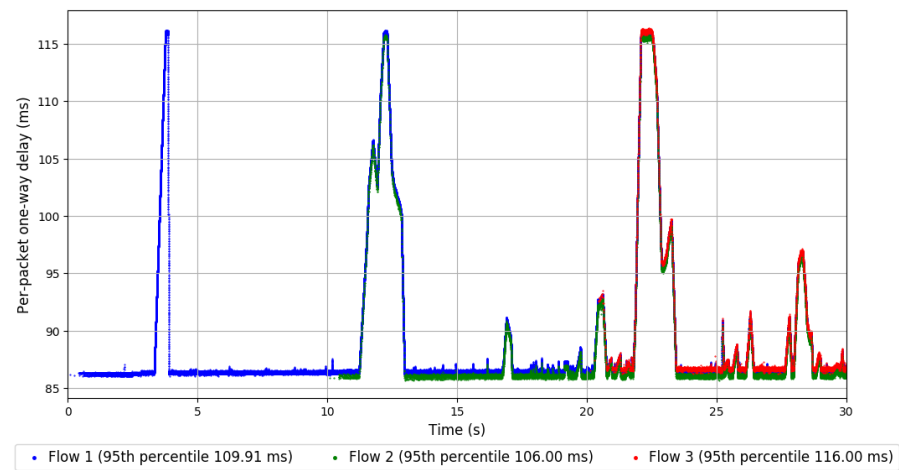
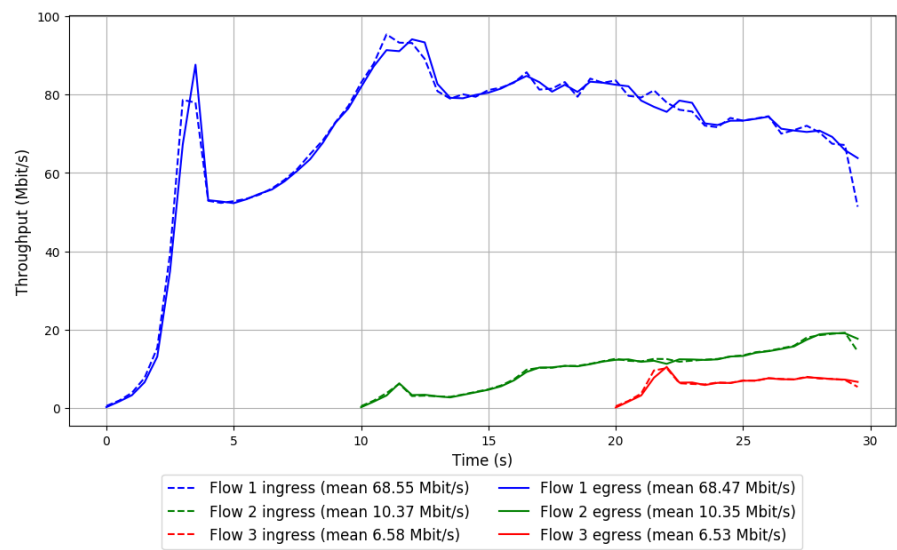


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 14:42:15
End at: 2018-02-20 14:42:45
Local clock offset: -14.685 ms
Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-02-20 18:25:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 110.080 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 109.909 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 105.999 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 115.998 ms
Loss rate: 0.77%

Run 3: Report of Vivace-latency — Data Link

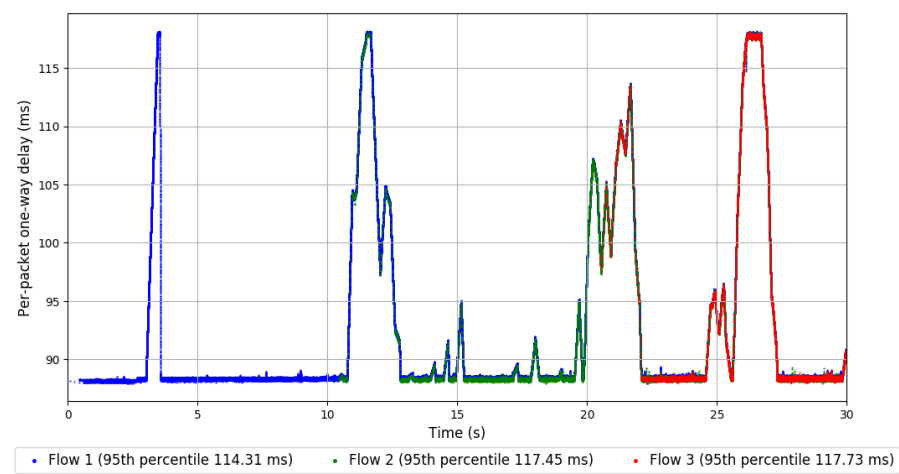
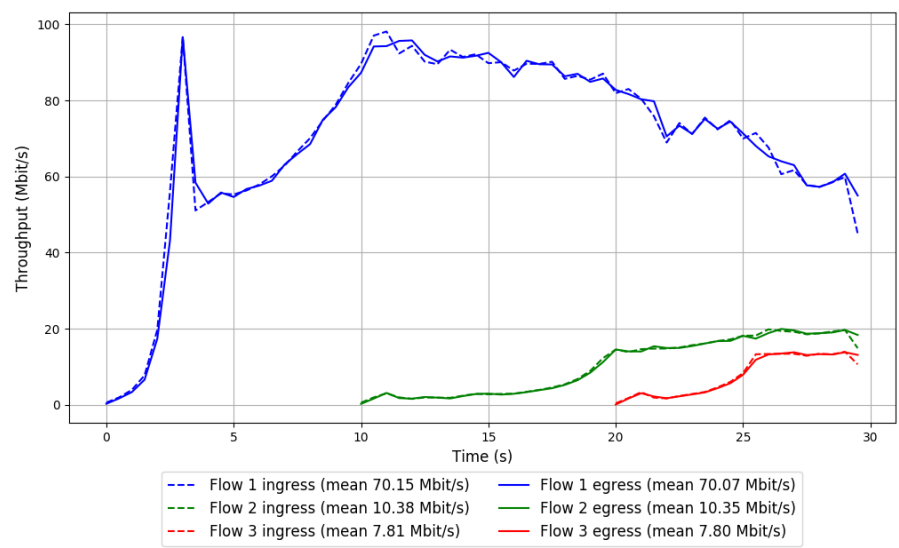


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 15:05:43
End at: 2018-02-20 15:06:13
Local clock offset: -12.991 ms
Remote clock offset: 2.199 ms

Below is generated by plot.py at 2018-02-20 18:25:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 115.364 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 70.07 Mbit/s
95th percentile per-packet one-way delay: 114.310 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 117.449 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 117.731 ms
Loss rate: 0.29%

Run 4: Report of Vivace-latency — Data Link

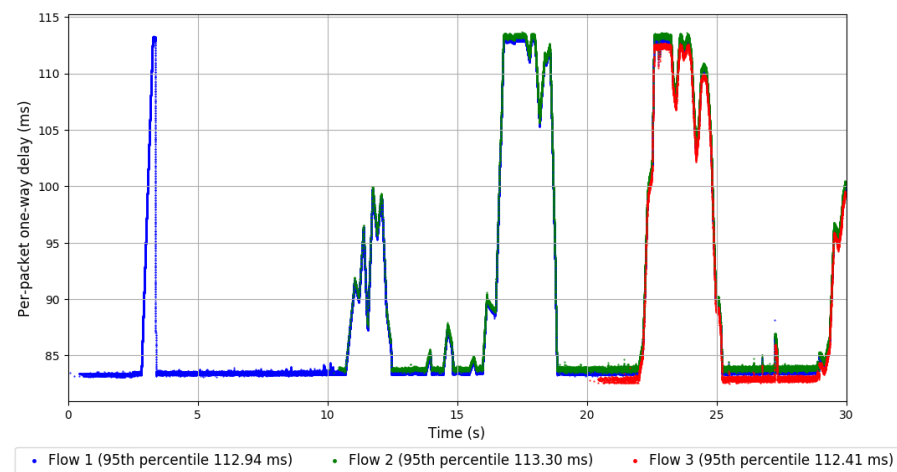
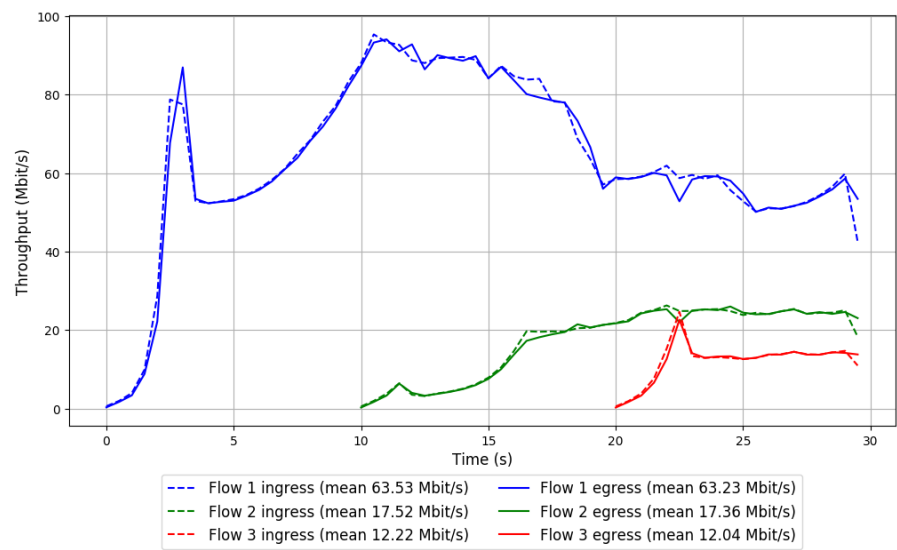


Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 15:29:30
End at: 2018-02-20 15:30:00
Local clock offset: -11.938 ms
Remote clock offset: -3.932 ms

Below is generated by plot.py at 2018-02-20 18:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 112.935 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 113.298 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 112.408 ms
Loss rate: 1.30%

Run 5: Report of Vivace-latency — Data Link

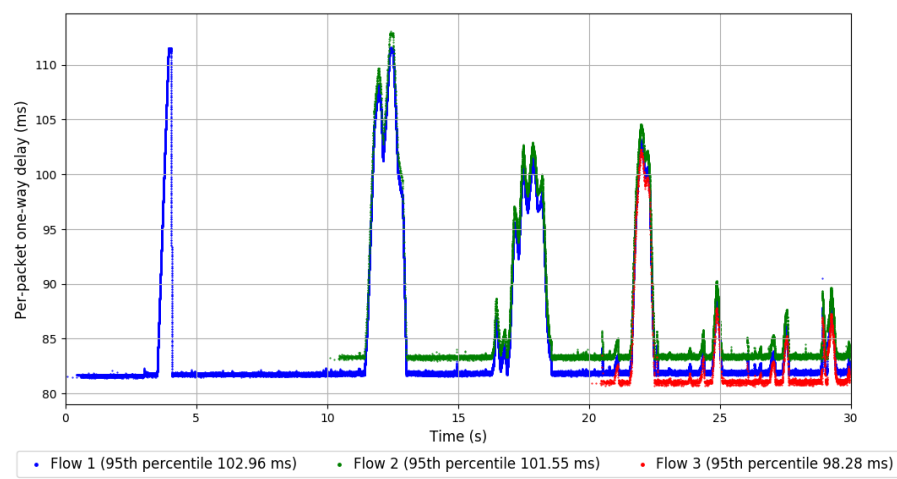
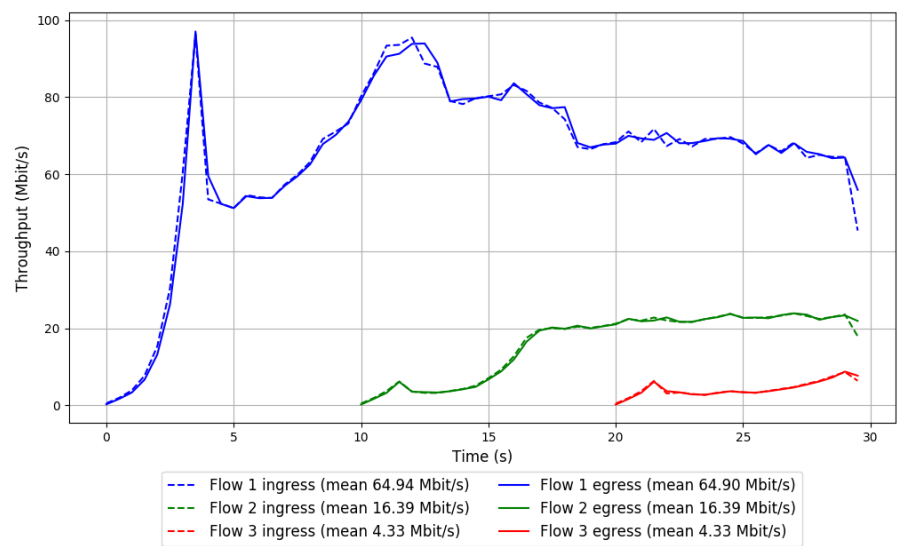


Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 15:53:01
End at: 2018-02-20 15:53:31
Local clock offset: -2.968 ms
Remote clock offset: -5.064 ms

Below is generated by plot.py at 2018-02-20 18:25:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 102.451 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 102.959 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 101.550 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 98.284 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 16:16:52

End at: 2018-02-20 16:17:22

Local clock offset: -4.333 ms

Remote clock offset: 1.457 ms

Below is generated by plot.py at 2018-02-20 18:25:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 94.660 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 94.782 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 94.571 ms

Loss rate: 0.01%

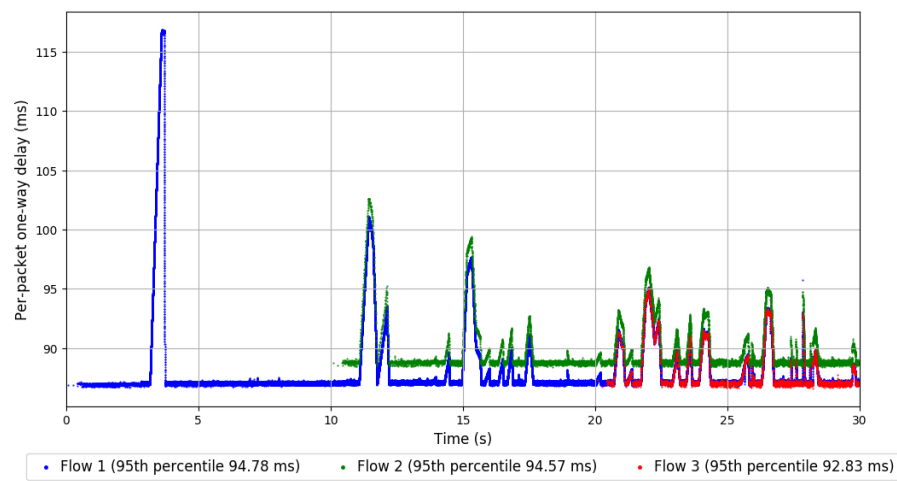
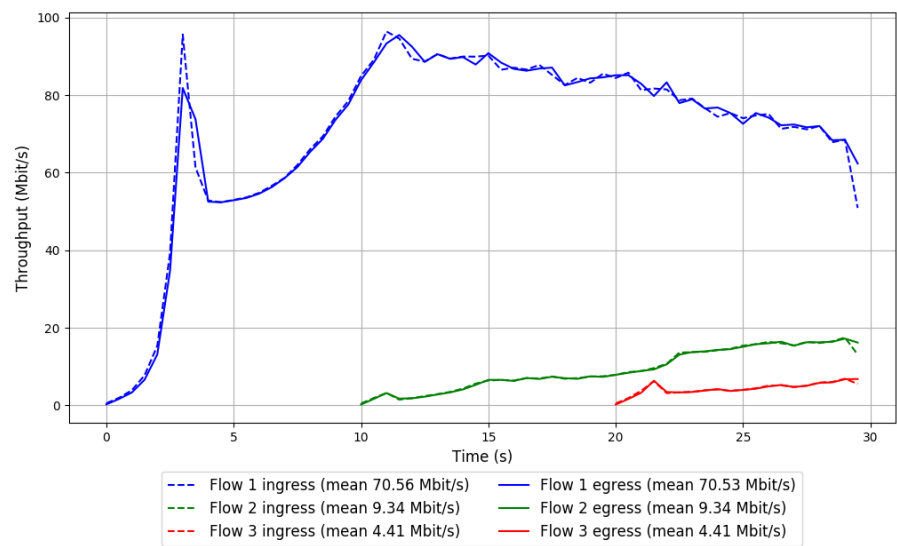
-- Flow 3:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 92.832 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 16:40:26

End at: 2018-02-20 16:40:56

Local clock offset: -4.237 ms

Remote clock offset: -3.07 ms

Below is generated by plot.py at 2018-02-20 18:25:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.62 Mbit/s

95th percentile per-packet one-way delay: 93.609 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 93.453 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 94.314 ms

Loss rate: 0.01%

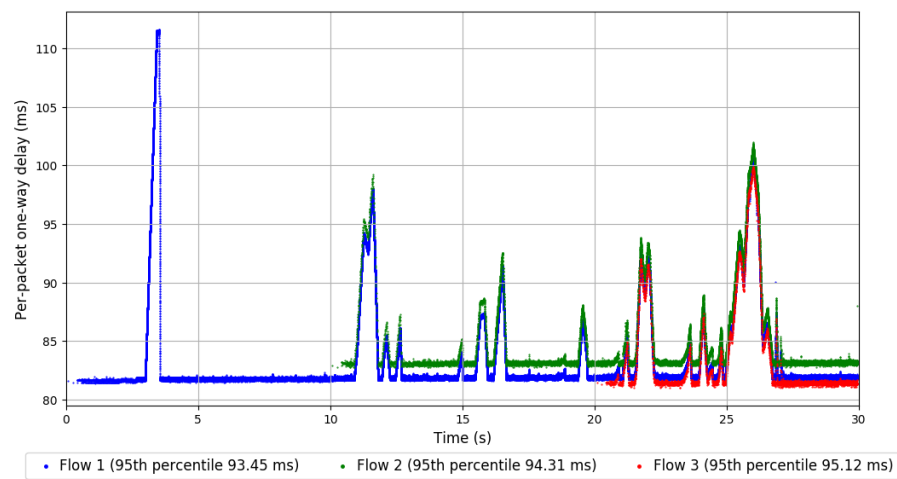
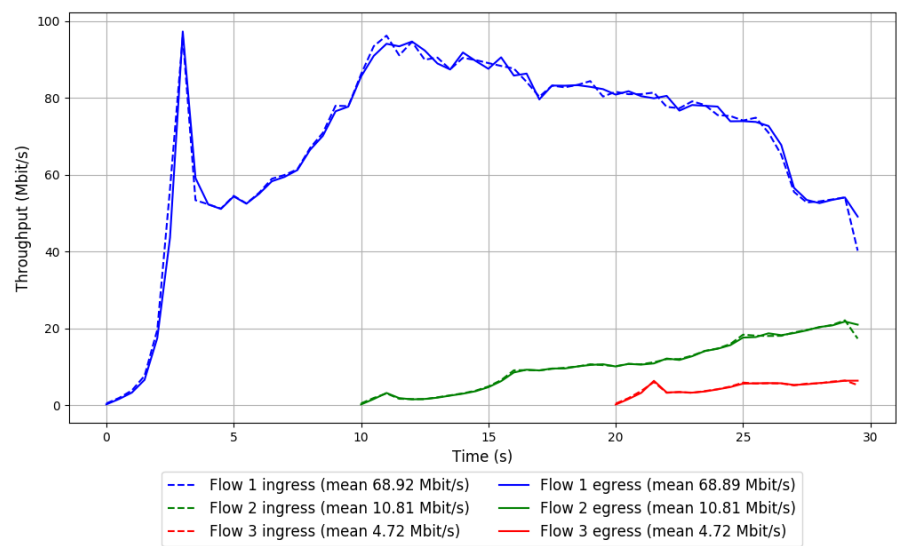
-- Flow 3:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 95.119 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 17:04:12

End at: 2018-02-20 17:04:42

Local clock offset: -0.939 ms

Remote clock offset: 4.502 ms

Below is generated by plot.py at 2018-02-20 18:26:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 109.465 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 70.76 Mbit/s

95th percentile per-packet one-way delay: 110.616 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 105.412 ms

Loss rate: 0.11%

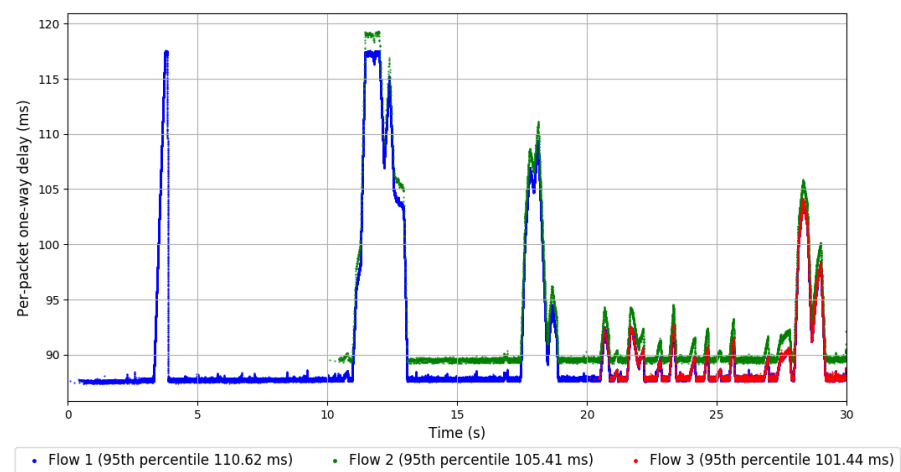
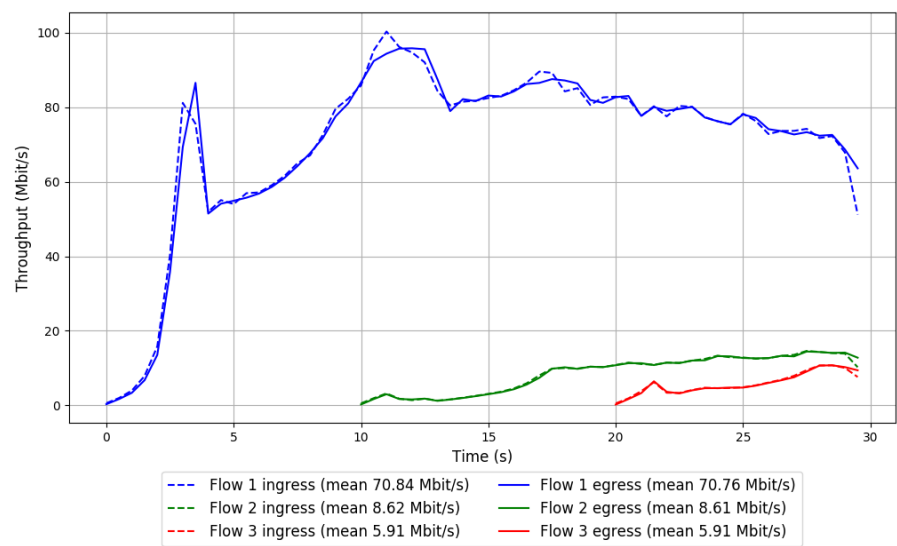
-- Flow 3:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 101.444 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

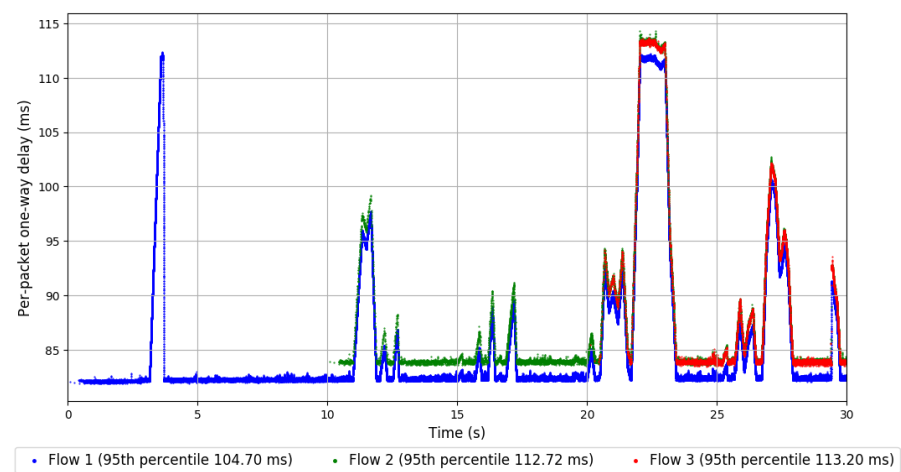
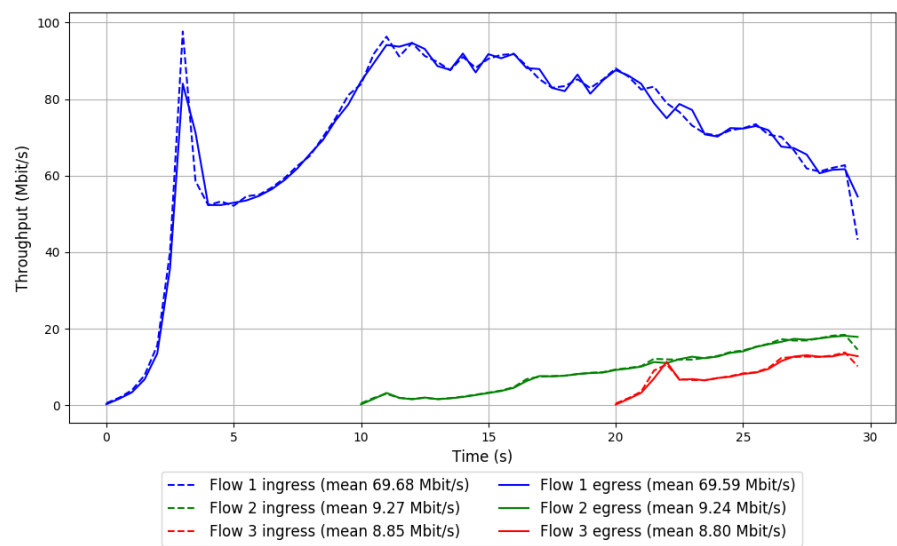


Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 17:27:46
End at: 2018-02-20 17:28:16
Local clock offset: 2.46 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-02-20 18:26:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 107.324 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 104.696 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 112.721 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 113.201 ms
Loss rate: 0.59%

Run 10: Report of Vivace-latency — Data Link

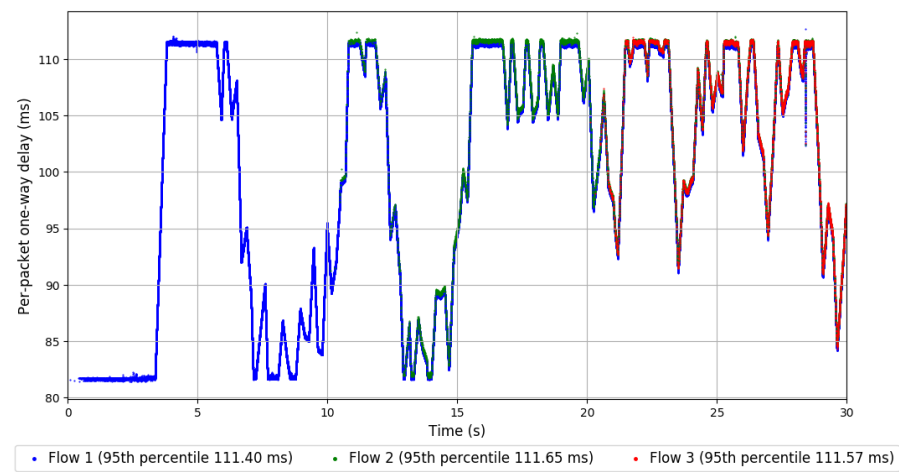
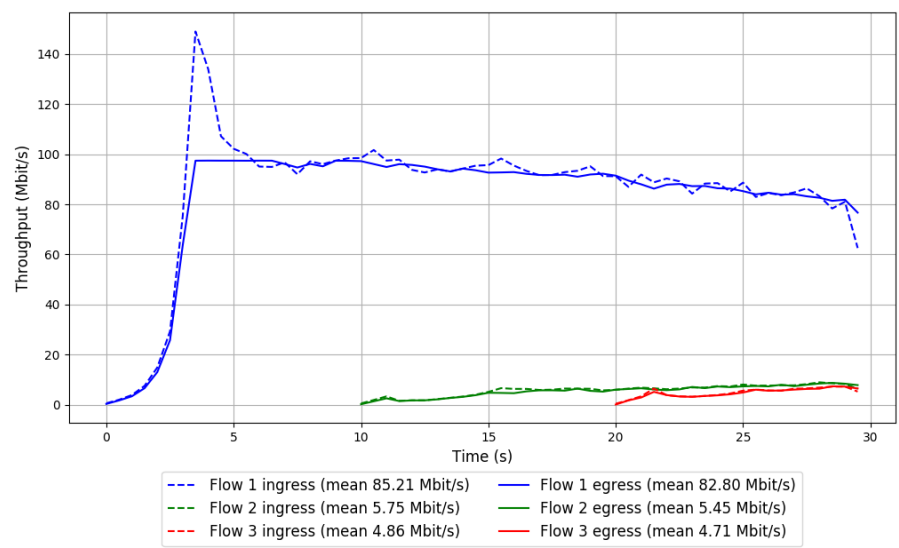


Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 13:53:32
End at: 2018-02-20 13:54:02
Local clock offset: -12.949 ms
Remote clock offset: -3.568 ms

Below is generated by plot.py at 2018-02-20 18:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 111.416 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: 111.402 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 111.648 ms
Loss rate: 5.21%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 111.568 ms
Loss rate: 3.34%

Run 1: Report of Vivace-loss — Data Link

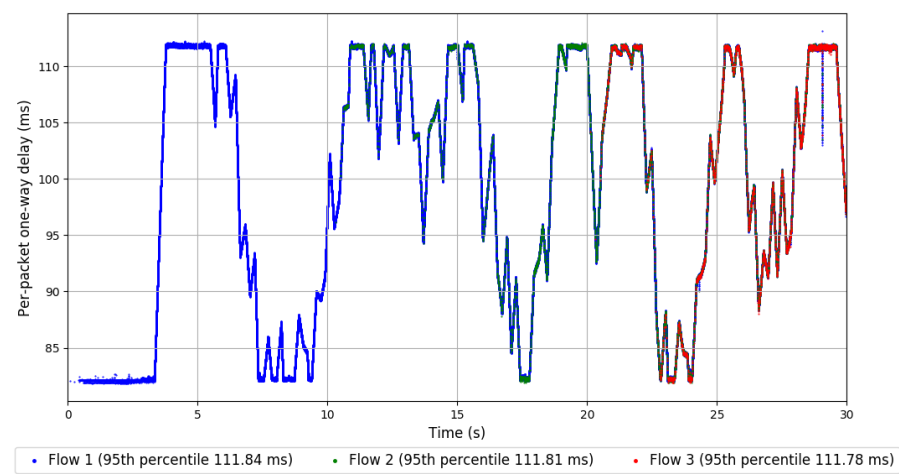
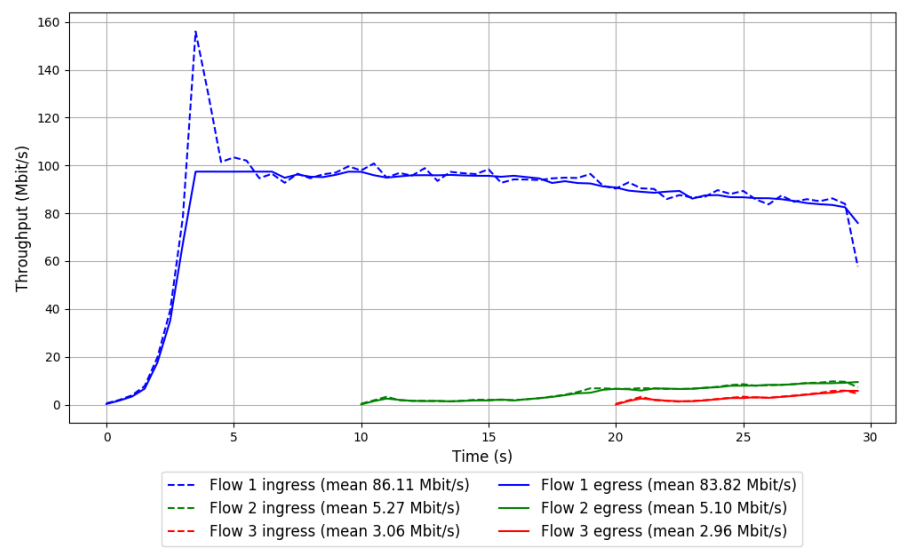


Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 14:17:21
End at: 2018-02-20 14:17:51
Local clock offset: -15.876 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2018-02-20 18:26:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 111.841 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 111.842 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 111.805 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 111.777 ms
Loss rate: 3.38%

Run 2: Report of Vivace-loss — Data Link

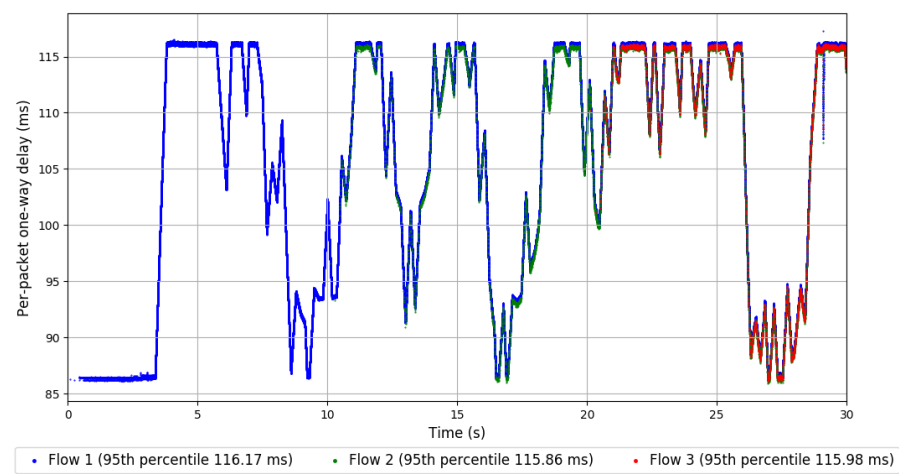
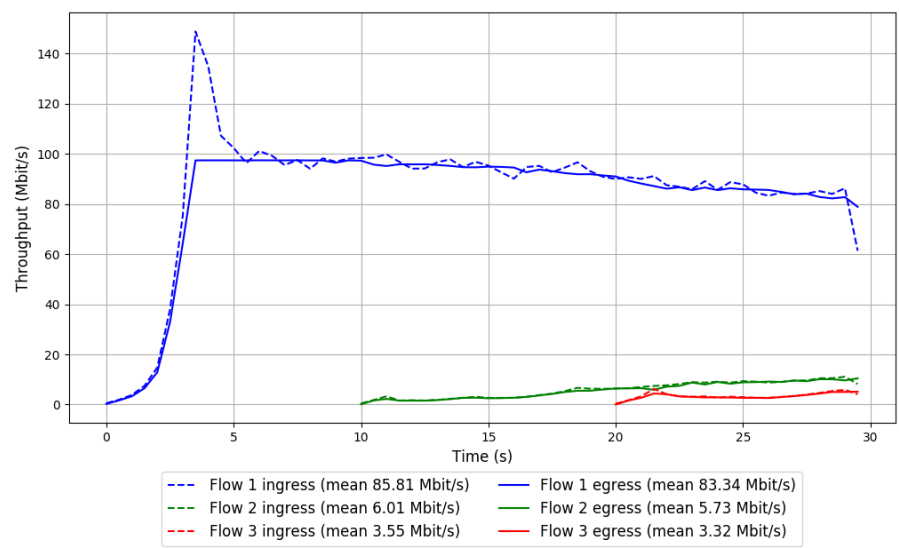


Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 14:40:54
End at: 2018-02-20 14:41:24
Local clock offset: -14.714 ms
Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-02-20 18:27:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 116.165 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 116.169 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 115.859 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 115.980 ms
Loss rate: 6.57%

Run 3: Report of Vivace-loss — Data Link

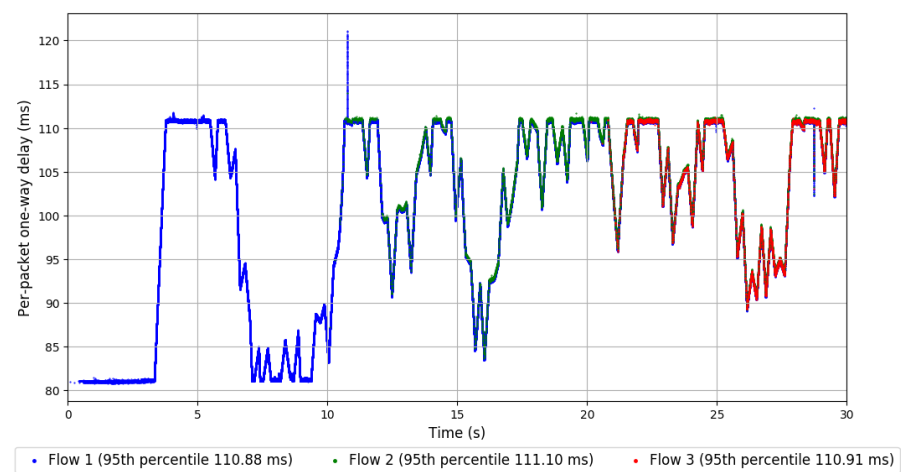
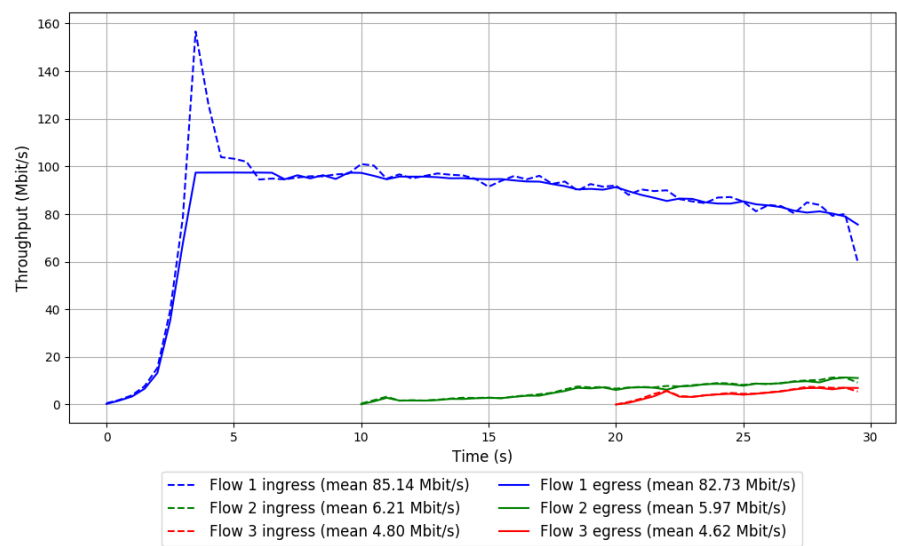


Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 15:04:22
End at: 2018-02-20 15:04:52
Local clock offset: -13.168 ms
Remote clock offset: -4.386 ms

Below is generated by plot.py at 2018-02-20 18:27:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 110.891 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 110.879 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 111.096 ms
Loss rate: 3.67%
-- Flow 3:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 110.912 ms
Loss rate: 3.84%

Run 4: Report of Vivace-loss — Data Link

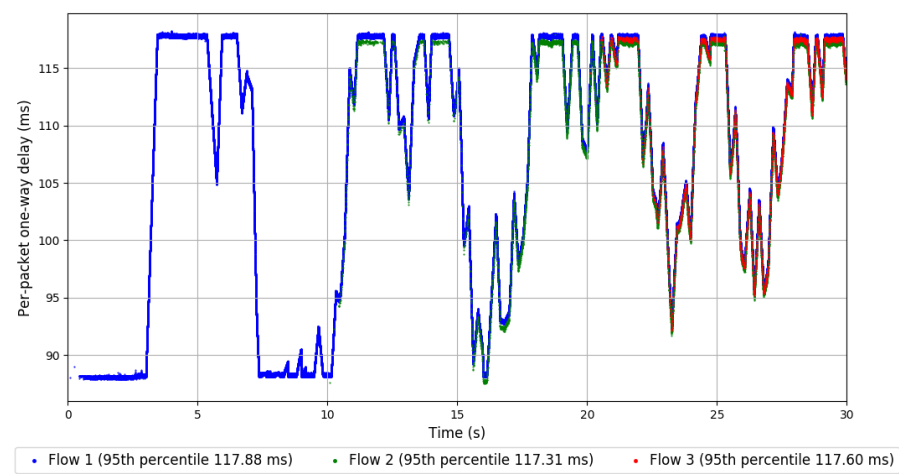
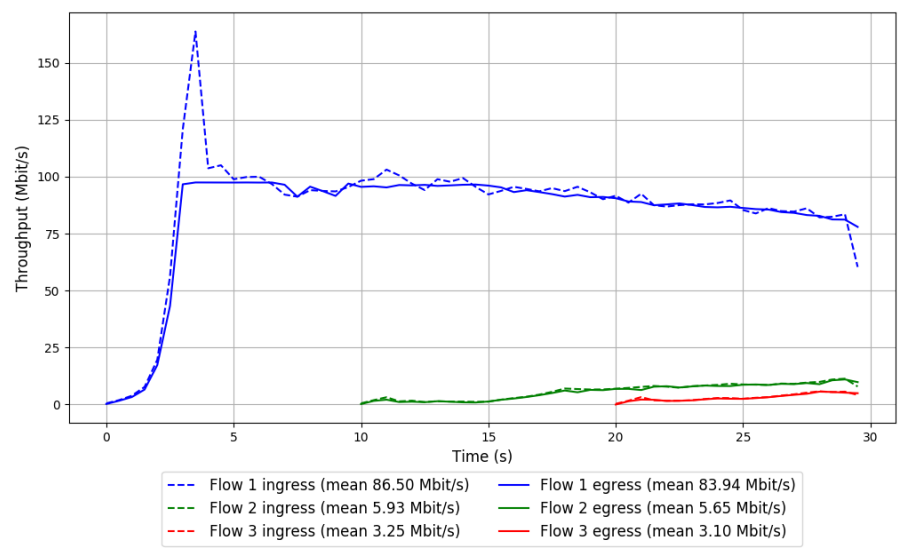


Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 15:28:09
End at: 2018-02-20 15:28:39
Local clock offset: -11.978 ms
Remote clock offset: 1.727 ms

Below is generated by plot.py at 2018-02-20 18:27:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 117.874 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 117.877 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 117.310 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 117.604 ms
Loss rate: 4.83%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 15:51:40

End at: 2018-02-20 15:52:10

Local clock offset: -3.304 ms

Remote clock offset: 0.73 ms

Below is generated by plot.py at 2018-02-20 18:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 118.229 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 81.28 Mbit/s

95th percentile per-packet one-way delay: 118.206 ms

Loss rate: 2.94%

-- Flow 2:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 118.556 ms

Loss rate: 3.48%

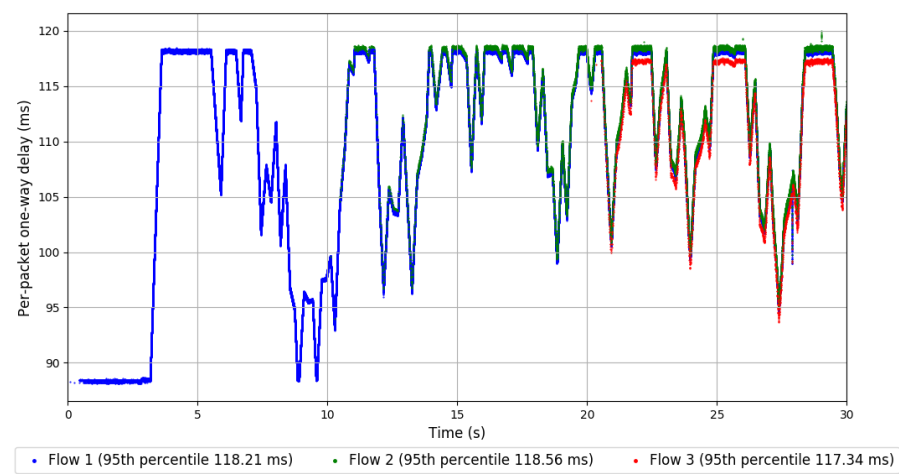
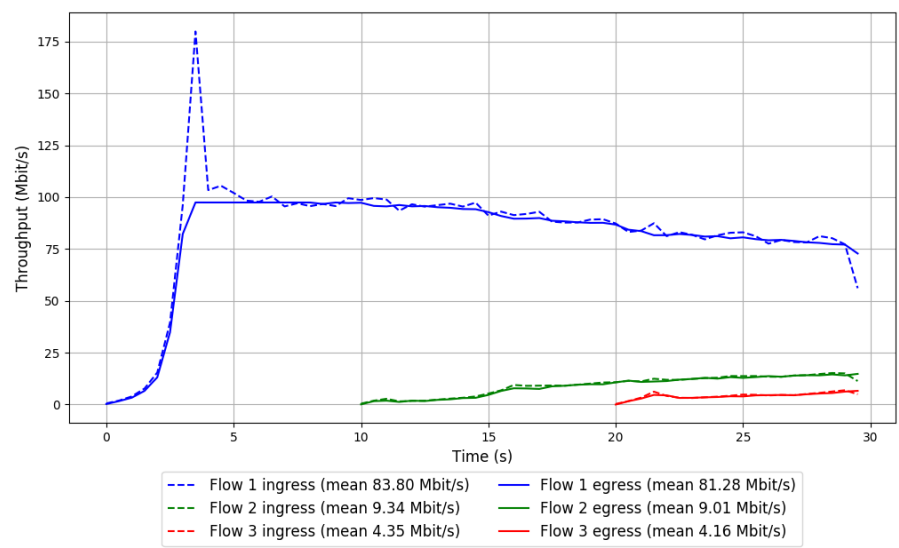
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 117.345 ms

Loss rate: 4.39%

Run 6: Report of Vivace-loss — Data Link

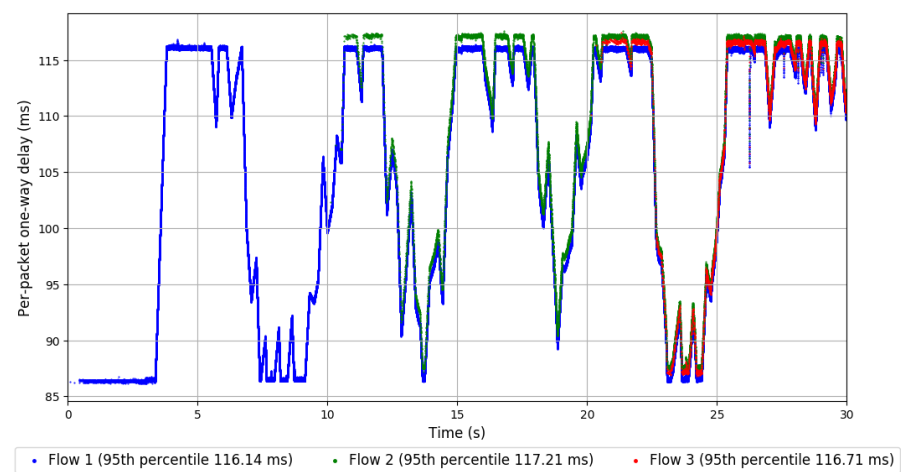
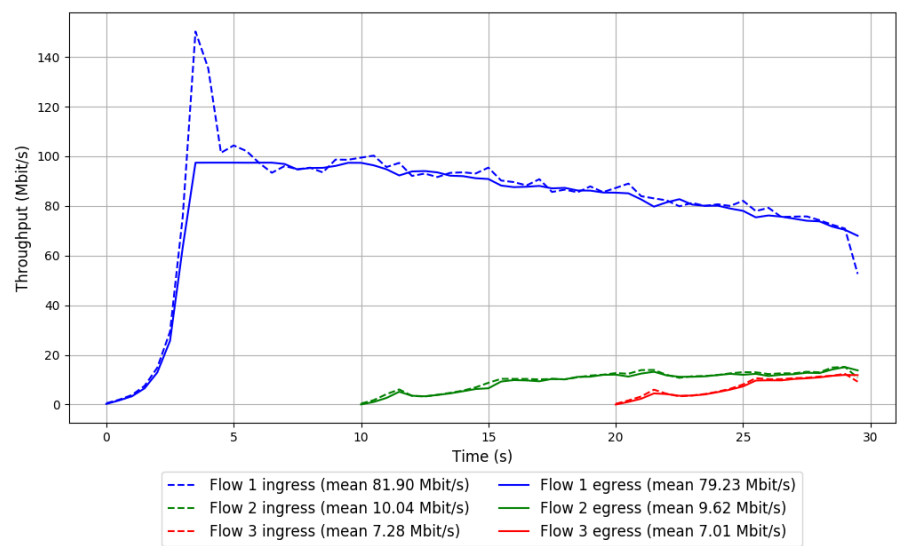


Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 16:15:31
End at: 2018-02-20 16:16:01
Local clock offset: -4.27 ms
Remote clock offset: 1.402 ms

Below is generated by plot.py at 2018-02-20 18:27:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 116.222 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 116.139 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 117.211 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 116.714 ms
Loss rate: 3.73%

Run 7: Report of Vivace-loss — Data Link

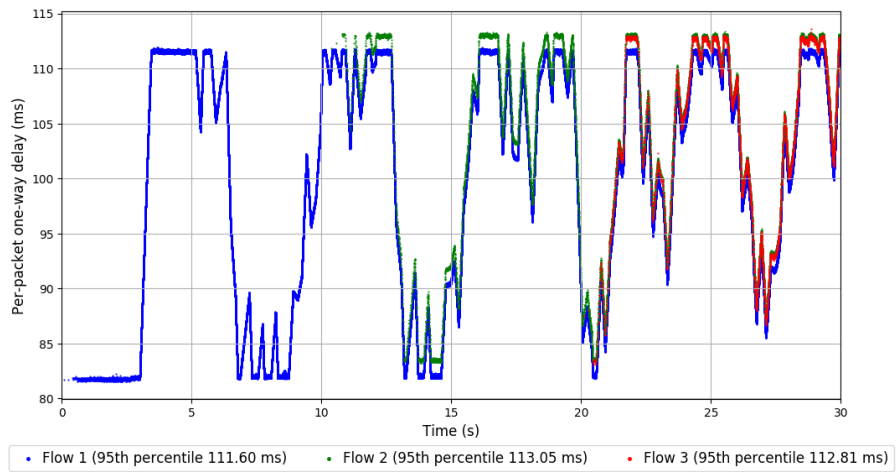
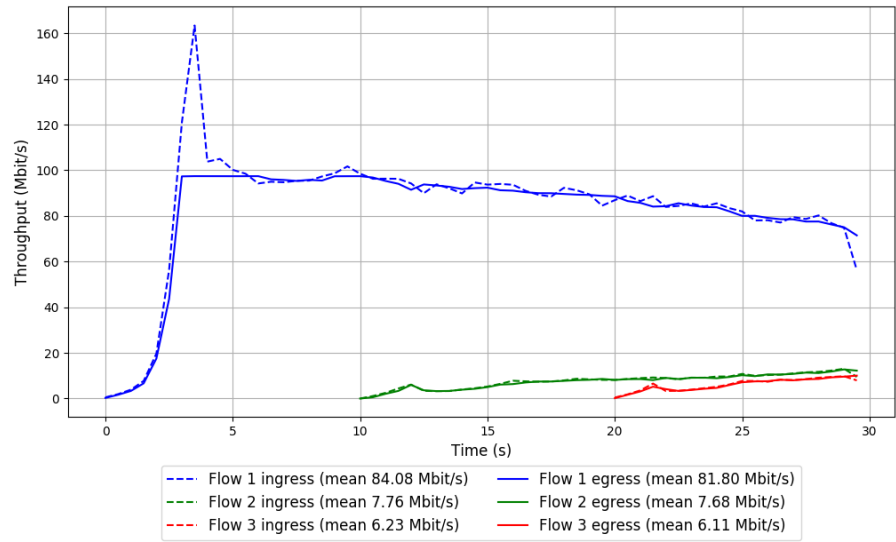


Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 16:39:05
End at: 2018-02-20 16:39:35
Local clock offset: -4.714 ms
Remote clock offset: -3.068 ms

Below is generated by plot.py at 2018-02-20 18:27:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 111.632 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 111.599 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 113.047 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 112.809 ms
Loss rate: 1.80%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 17:02:51

End at: 2018-02-20 17:03:21

Local clock offset: -0.962 ms

Remote clock offset: 2.857 ms

Below is generated by plot.py at 2018-02-20 18:28:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 118.254 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 82.78 Mbit/s

95th percentile per-packet one-way delay: 118.258 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 117.695 ms

Loss rate: 4.13%

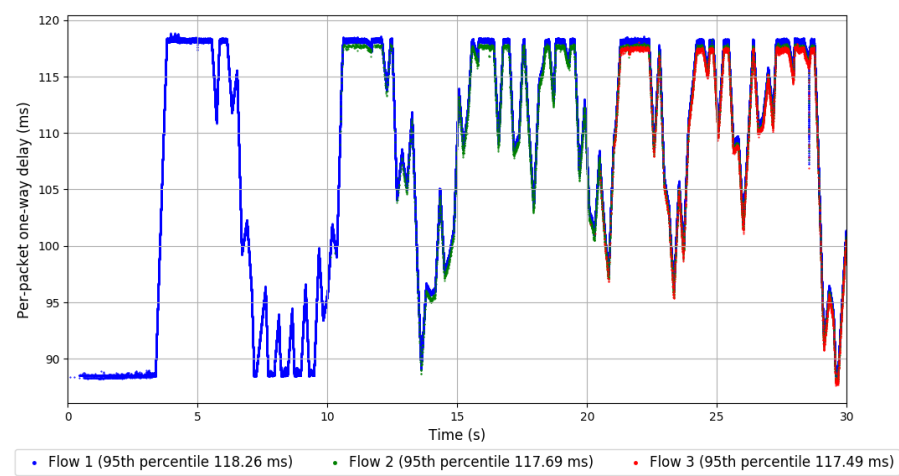
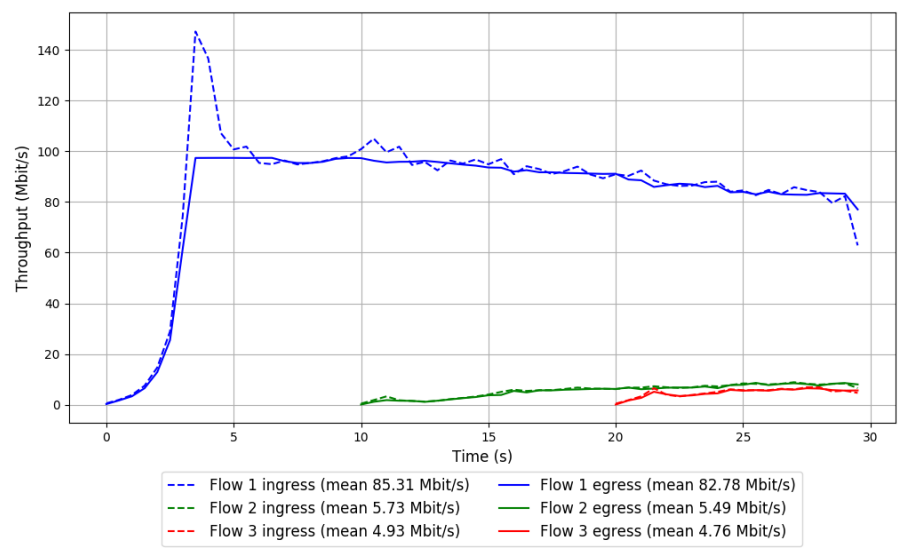
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 117.486 ms

Loss rate: 3.38%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 17:26:25

End at: 2018-02-20 17:26:55

Local clock offset: 2.314 ms

Remote clock offset: 4.428 ms

Below is generated by plot.py at 2018-02-20 18:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 117.101 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 117.096 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 117.131 ms

Loss rate: 4.37%

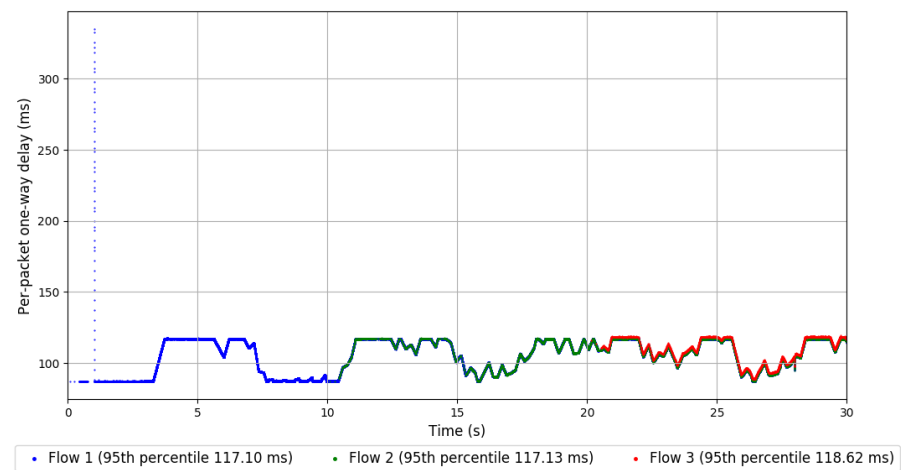
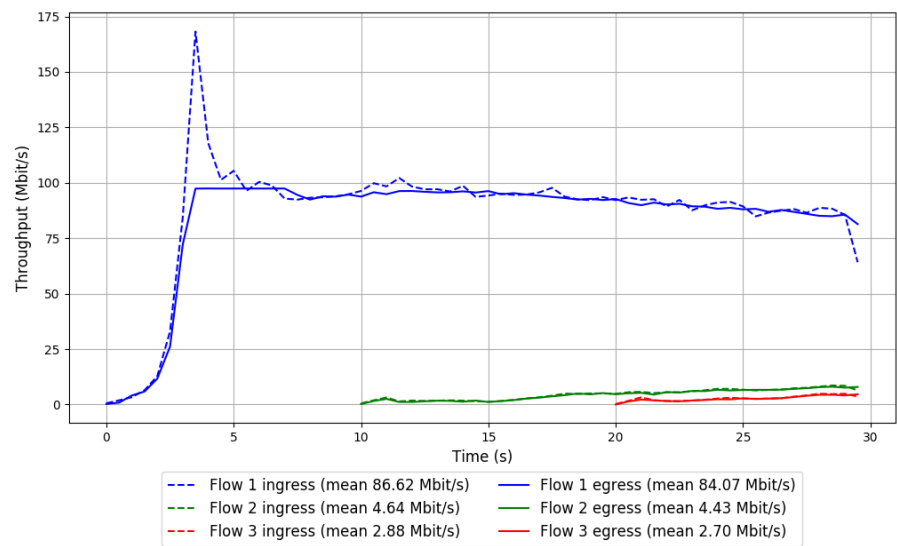
-- Flow 3:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 118.619 ms

Loss rate: 6.44%

Run 10: Report of Vivace-loss — Data Link

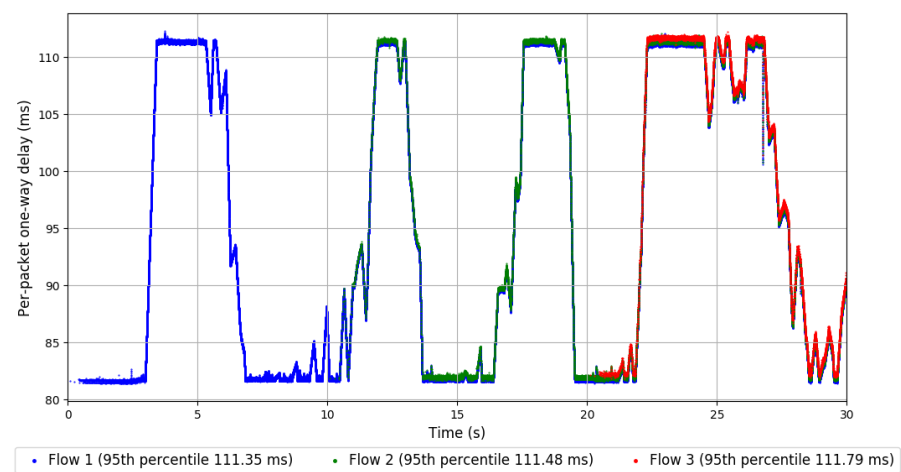
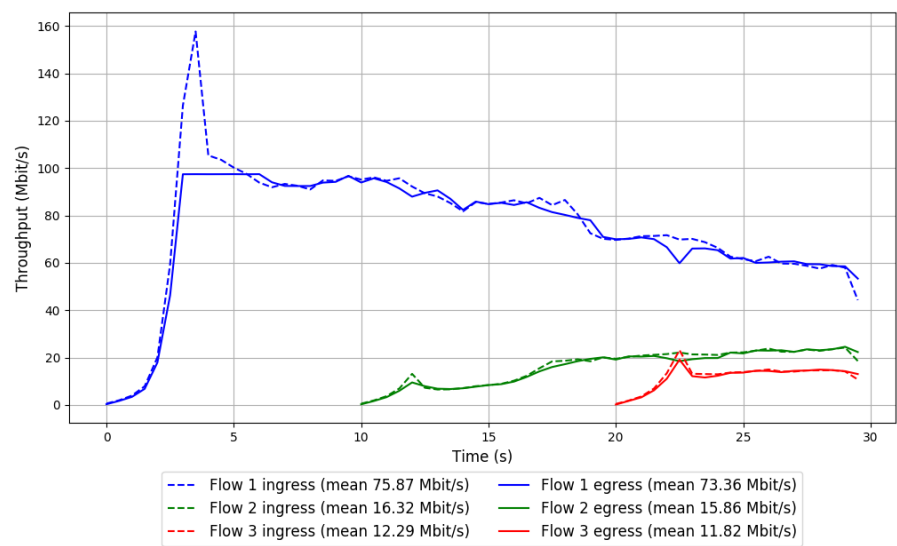


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 13:49:38
End at: 2018-02-20 13:50:08
Local clock offset: -11.687 ms
Remote clock offset: -3.532 ms

Below is generated by plot.py at 2018-02-20 18:28:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 111.401 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 73.36 Mbit/s
95th percentile per-packet one-way delay: 111.346 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 111.484 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 111.791 ms
Loss rate: 3.73%

Run 1: Report of Vivace-LTE — Data Link

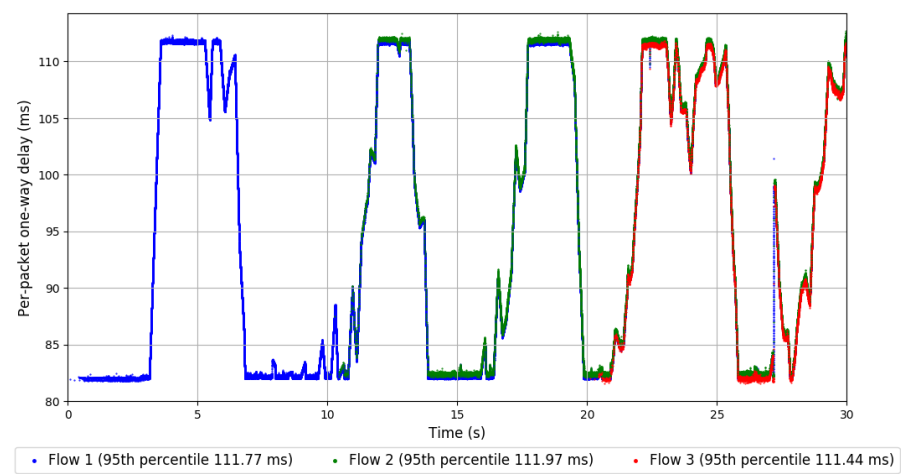
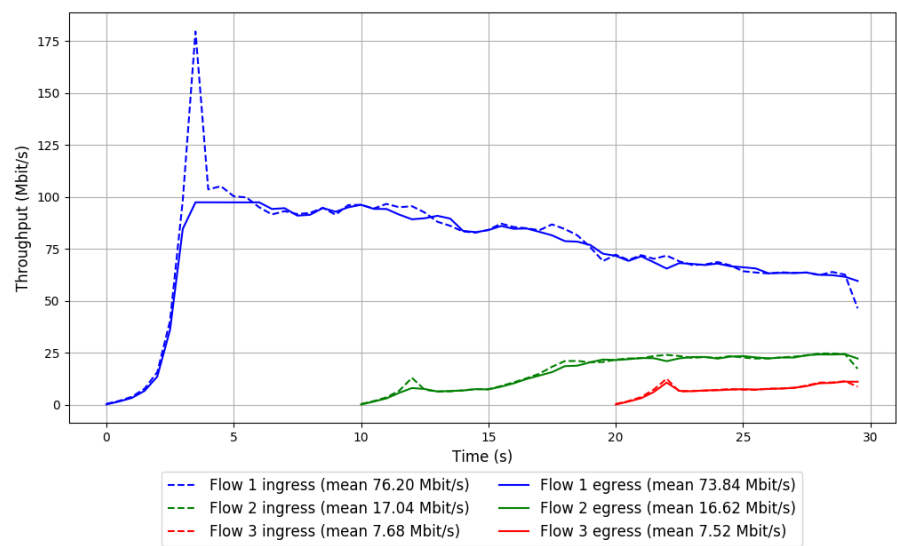


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 14:13:27
End at: 2018-02-20 14:13:57
Local clock offset: -15.616 ms
Remote clock offset: -3.695 ms

Below is generated by plot.py at 2018-02-20 18:28:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 111.789 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 111.969 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 111.440 ms
Loss rate: 1.77%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 14:37:00

End at: 2018-02-20 14:37:30

Local clock offset: -14.79 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-02-20 18:28:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 115.818 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 115.822 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 115.810 ms

Loss rate: 1.39%

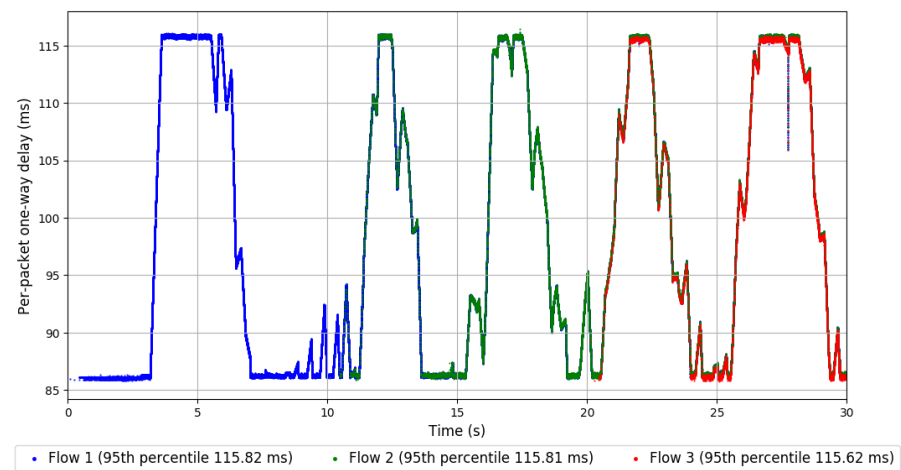
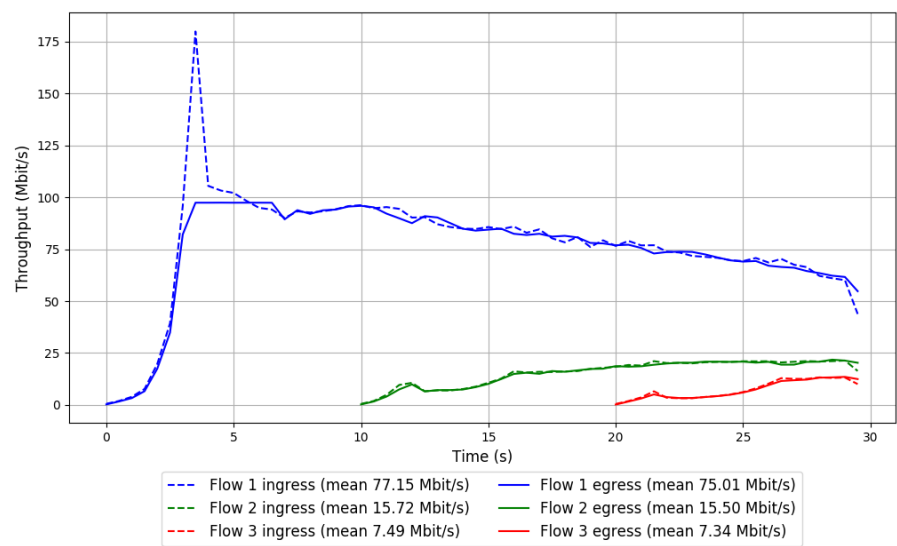
-- Flow 3:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 115.623 ms

Loss rate: 2.15%

Run 3: Report of Vivace-LTE — Data Link

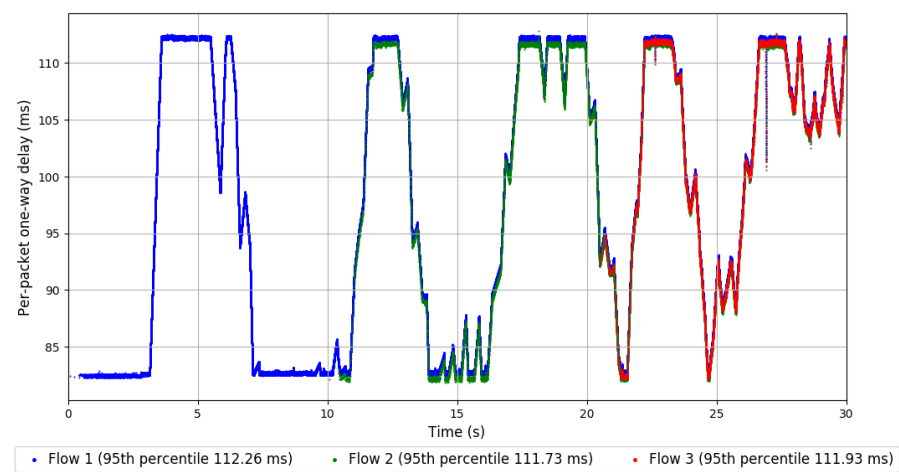
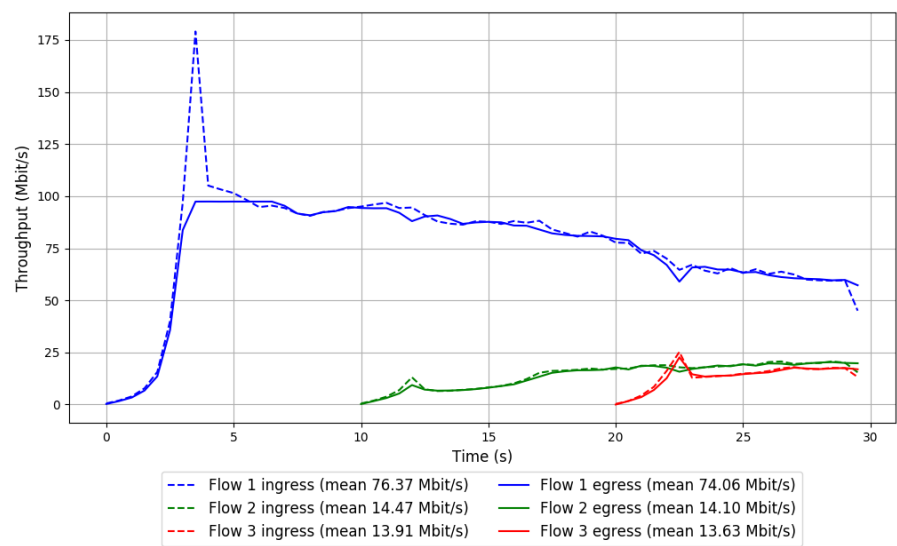


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 15:00:29
End at: 2018-02-20 15:00:59
Local clock offset: -13.725 ms
Remote clock offset: -3.519 ms

Below is generated by plot.py at 2018-02-20 18:28:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 112.250 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 112.262 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 111.731 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 111.927 ms
Loss rate: 1.93%

Run 4: Report of Vivace-LTE — Data Link

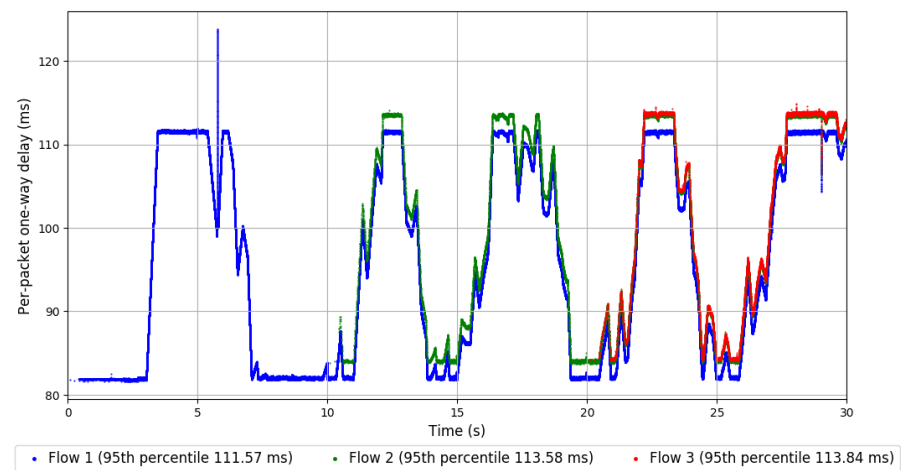
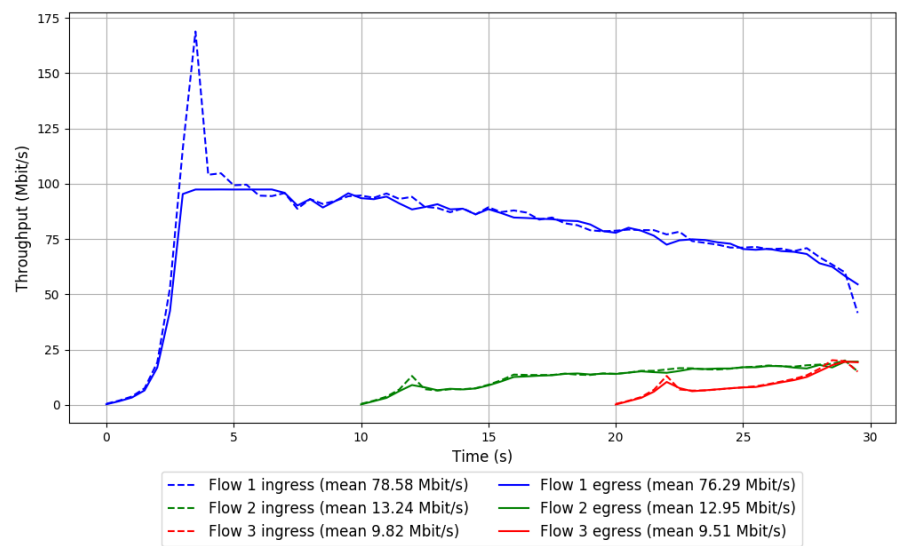


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 15:24:16
End at: 2018-02-20 15:24:46
Local clock offset: -11.99 ms
Remote clock offset: -3.889 ms

Below is generated by plot.py at 2018-02-20 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 111.574 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 113.582 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 2.89%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 15:47:46

End at: 2018-02-20 15:48:16

Local clock offset: -4.014 ms

Remote clock offset: 1.569 ms

Below is generated by plot.py at 2018-02-20 18:28:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 118.034 ms

Loss rate: 2.78%

-- Flow 1:

Average throughput: 74.35 Mbit/s

95th percentile per-packet one-way delay: 118.044 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 14.39 Mbit/s

95th percentile per-packet one-way delay: 117.470 ms

Loss rate: 2.14%

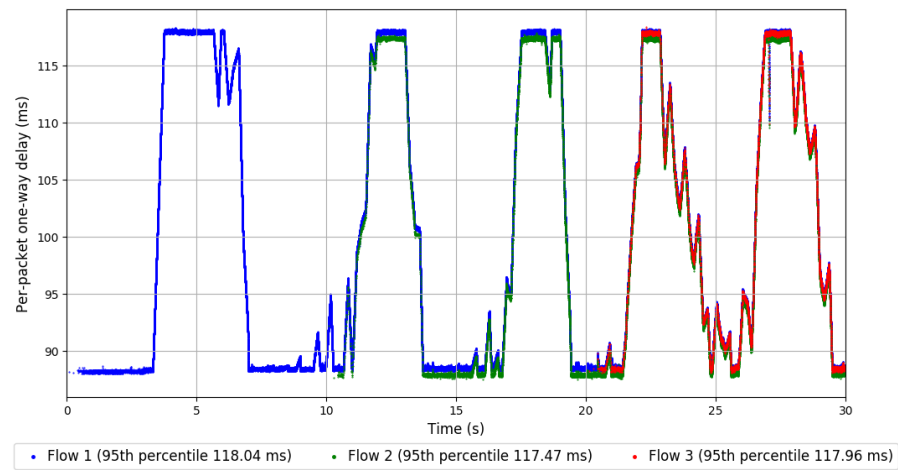
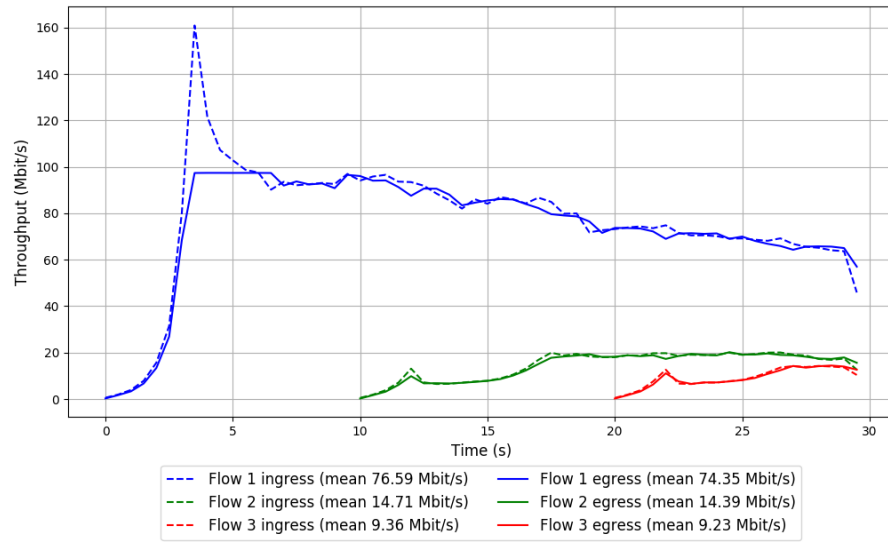
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 117.957 ms

Loss rate: 1.35%

Run 6: Report of Vivace-LTE — Data Link

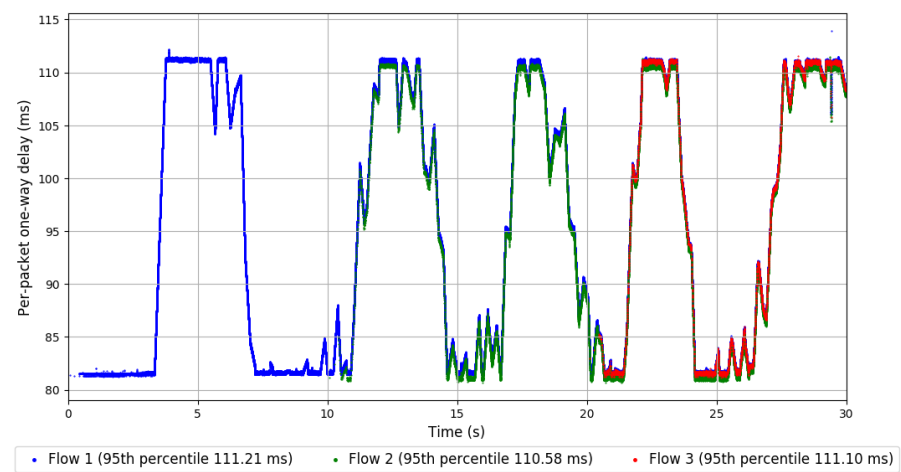
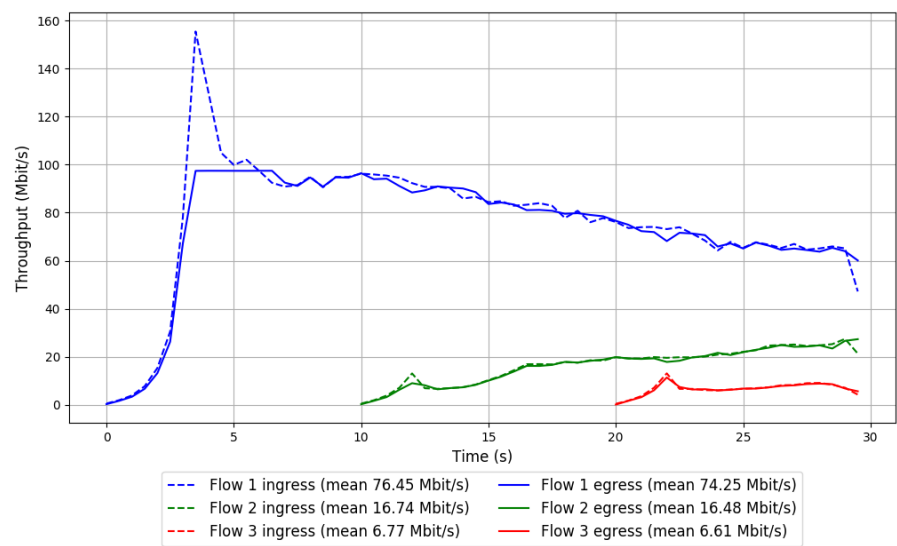


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 16:11:38
End at: 2018-02-20 16:12:08
Local clock offset: -3.61 ms
Remote clock offset: -4.504 ms

Below is generated by plot.py at 2018-02-20 18:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 111.196 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 111.210 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 110.577 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 111.100 ms
Loss rate: 2.09%

Run 7: Report of Vivace-LTE — Data Link

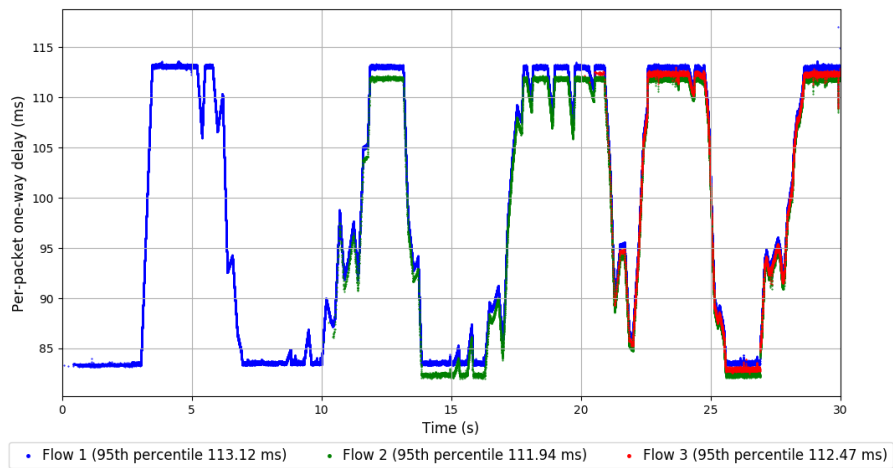
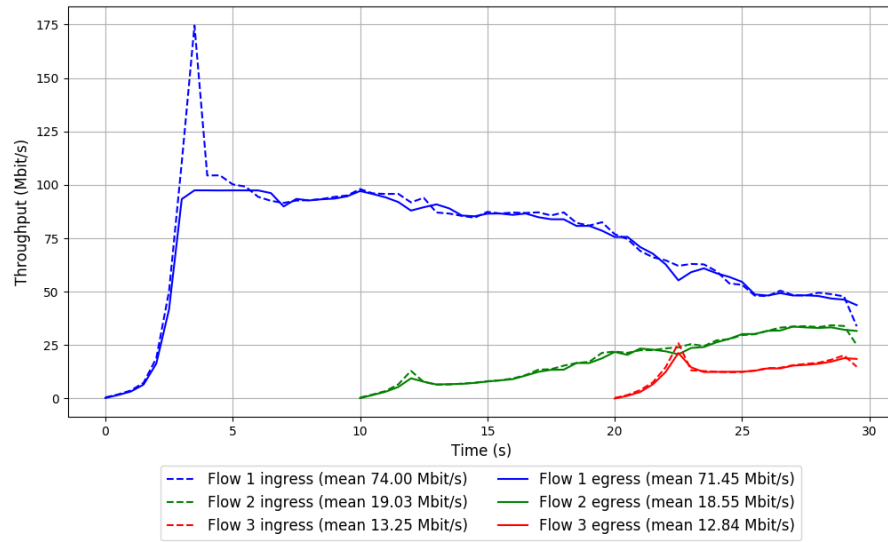


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 16:35:10
End at: 2018-02-20 16:35:40
Local clock offset: -4.921 ms
Remote clock offset: -2.461 ms

Below is generated by plot.py at 2018-02-20 18:29:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 113.109 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 113.122 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 112.474 ms
Loss rate: 3.15%

Run 8: Report of Vivace-LTE — Data Link

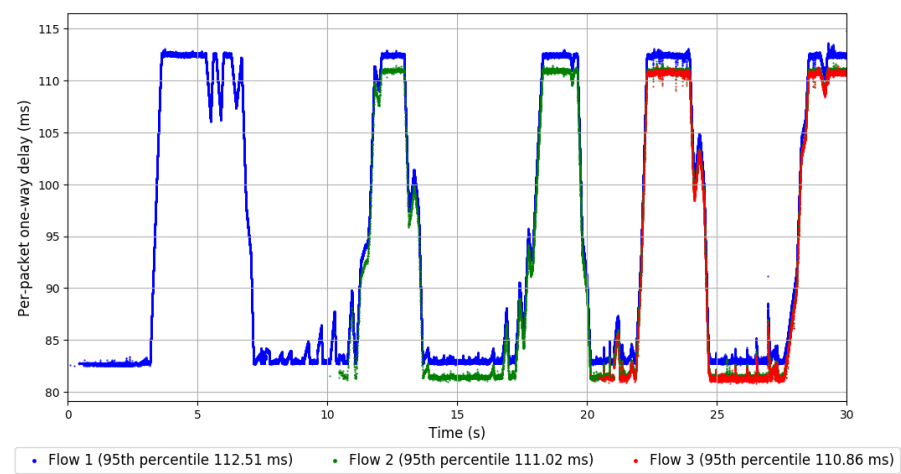
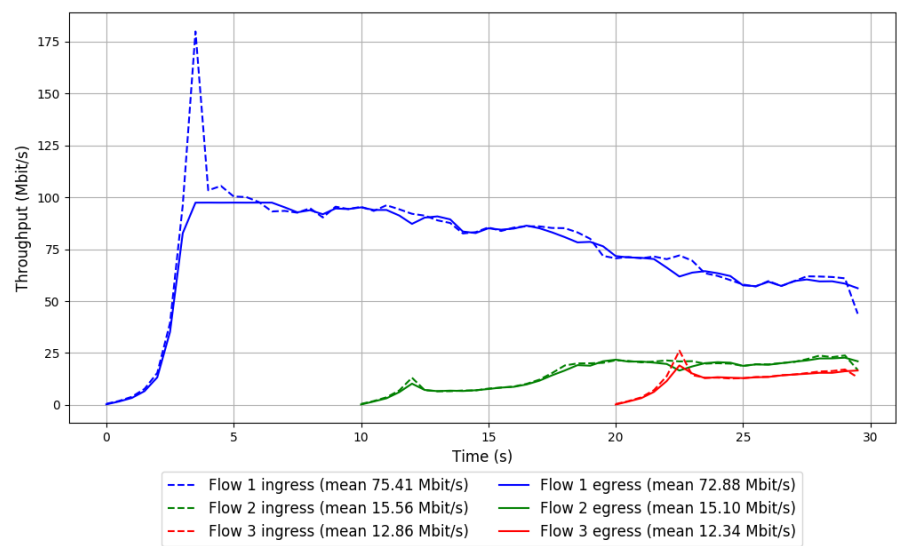


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 16:58:57
End at: 2018-02-20 16:59:27
Local clock offset: -1.274 ms
Remote clock offset: -2.216 ms

Below is generated by plot.py at 2018-02-20 18:29:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 112.500 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 112.513 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 111.023 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 110.855 ms
Loss rate: 3.80%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 17:22:31

End at: 2018-02-20 17:23:01

Local clock offset: 1.666 ms

Remote clock offset: 4.379 ms

Below is generated by plot.py at 2018-02-20 18:29:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 117.585 ms

Loss rate: 3.44%

-- Flow 1:

Average throughput: 73.27 Mbit/s

95th percentile per-packet one-way delay: 116.626 ms

Loss rate: 3.44%

-- Flow 2:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 118.467 ms

Loss rate: 3.15%

-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 117.262 ms

Loss rate: 4.33%

Run 10: Report of Vivace-LTE — Data Link

