

Pantheon Report

Generated at 2018-07-18 22:25:00 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

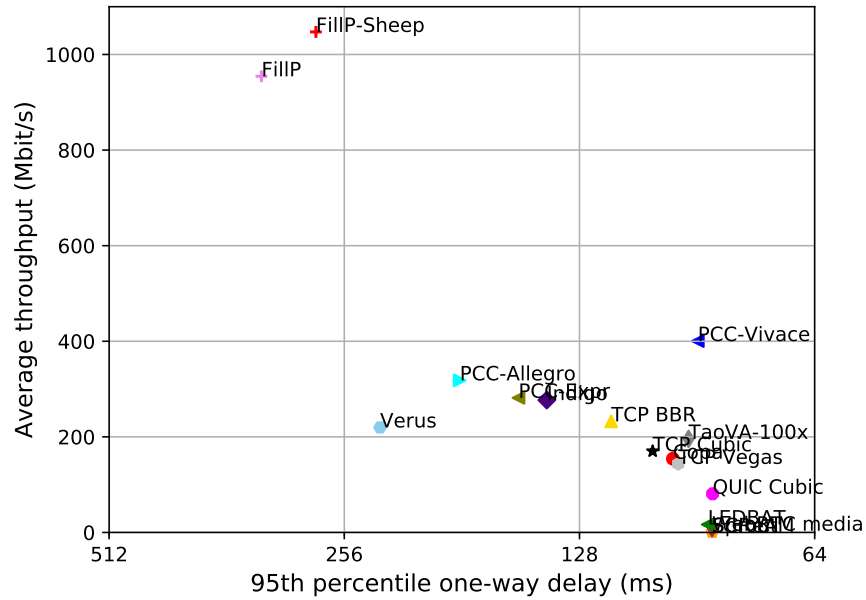
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

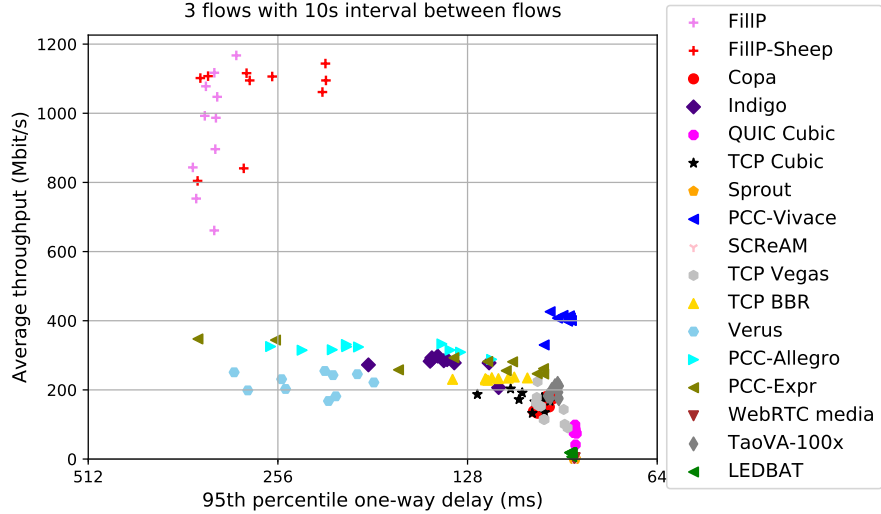
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



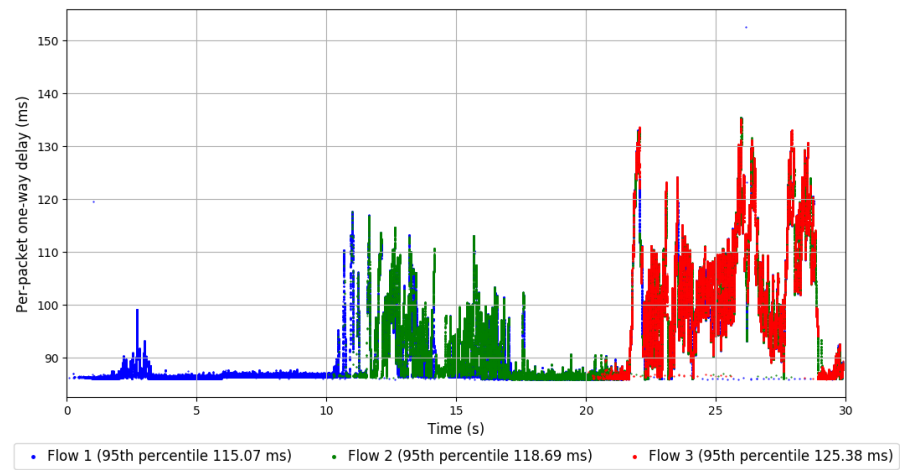
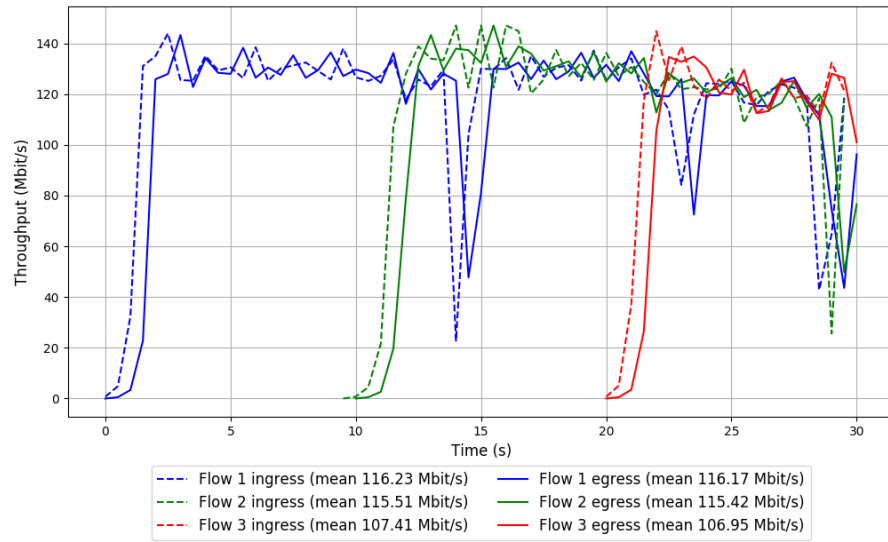
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	120.32	116.42	106.14	112.90	116.37	123.01	0.61	0.96	2.13
Copa	10	93.15	67.49	50.60	97.55	96.43	96.95	0.40	0.56	2.29
TCP Cubic	10	86.97	83.45	84.25	101.92	101.04	104.73	0.60	1.40	2.61
FillP	10	464.09	493.89	497.52	326.29	328.83	313.44	4.38	6.56	4.64
FillP-Sheep	10	514.18	563.36	487.44	284.38	275.74	222.30	3.71	2.78	3.00
Indigo	10	151.62	140.09	99.48	130.01	140.63	153.70	0.55	0.88	2.15
LEDBAT	10	11.26	6.55	3.21	87.78	87.56	87.22	1.21	2.13	3.54
PCC-Allegro	10	280.64	46.22	21.39	181.59	179.93	170.17	1.08	1.19	2.36
PCC-Expr	10	201.42	102.71	37.07	150.96	146.73	138.42	1.50	2.19	3.39
QUIC Cubic	10	43.48	41.90	29.24	86.37	86.51	86.44	0.71	0.92	2.53
SCReAM	10	0.22	0.22	0.22	86.58	86.50	86.61	0.55	0.93	1.77
Sprout	10	0.28	0.29	0.35	86.55	86.51	86.51	0.50	0.66	1.45
TaoVA-100x	10	124.83	78.74	65.43	91.23	94.27	99.79	0.35	0.28	1.82
TCP Vegas	10	83.28	69.95	42.21	95.17	95.33	97.38	0.45	0.80	1.99
Verus	10	133.43	88.91	85.77	204.09	234.55	246.79	1.08	2.16	4.49
PCC-Vivace	10	225.51	190.10	150.08	89.23	93.23	98.95	0.68	1.14	2.52
WebRTC media	10	1.95	1.23	0.46	86.50	86.61	86.57	0.67	1.14	2.90

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 16:10:37
End at: 2018-07-18 16:11:07
Local clock offset: -0.136 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-18 20:14:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.03 Mbit/s
95th percentile per-packet one-way delay: 118.833 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 116.17 Mbit/s
95th percentile per-packet one-way delay: 115.068 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 115.42 Mbit/s
95th percentile per-packet one-way delay: 118.692 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 106.95 Mbit/s
95th percentile per-packet one-way delay: 125.383 ms
Loss rate: 2.07%

Run 1: Report of TCP BBR — Data Link

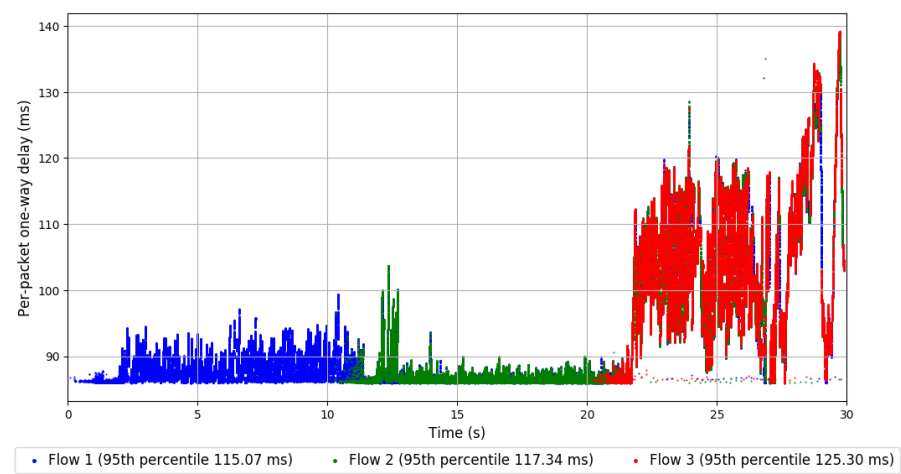
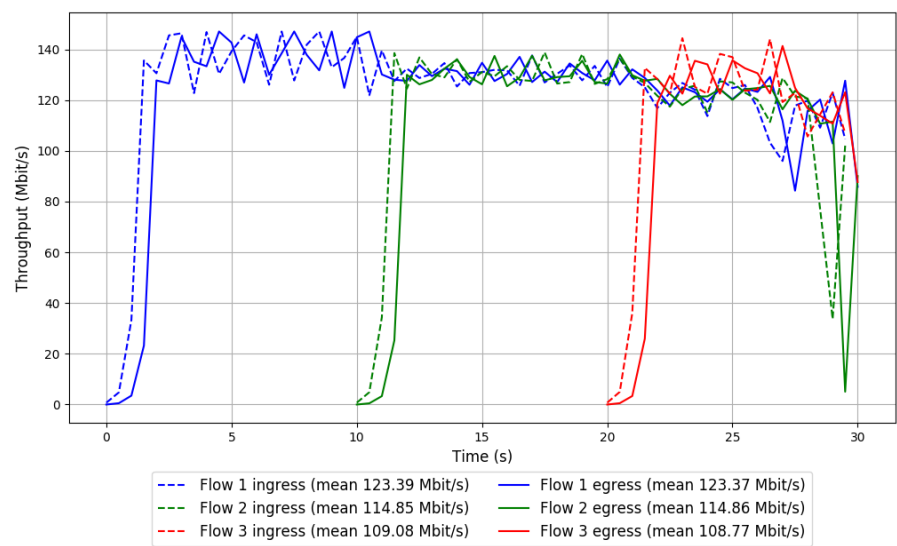


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 16:35:35
End at: 2018-07-18 16:36:05
Local clock offset: -0.234 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-18 20:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.38 Mbit/s
95th percentile per-packet one-way delay: 117.151 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 123.37 Mbit/s
95th percentile per-packet one-way delay: 115.068 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 114.86 Mbit/s
95th percentile per-packet one-way delay: 117.342 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 108.77 Mbit/s
95th percentile per-packet one-way delay: 125.300 ms
Loss rate: 2.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 17:00:18

End at: 2018-07-18 17:00:48

Local clock offset: -0.212 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-18 20:14:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.55 Mbit/s

95th percentile per-packet one-way delay: 119.911 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 119.92 Mbit/s

95th percentile per-packet one-way delay: 116.281 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 117.96 Mbit/s

95th percentile per-packet one-way delay: 119.646 ms

Loss rate: 0.92%

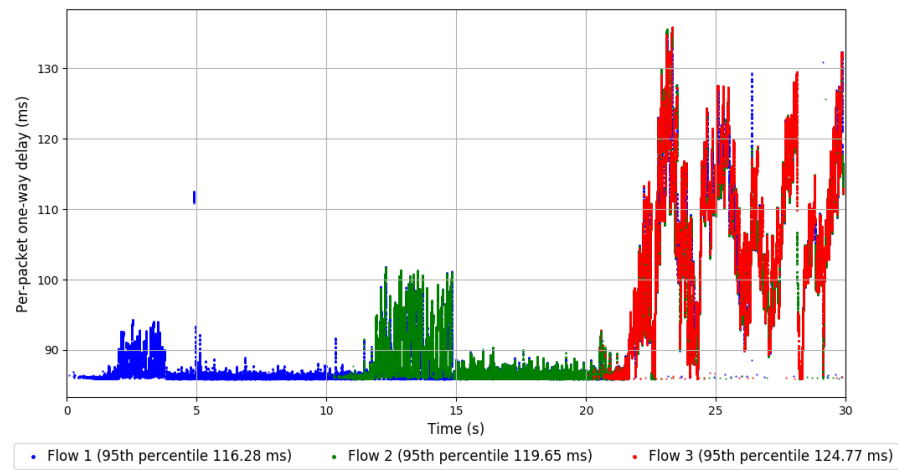
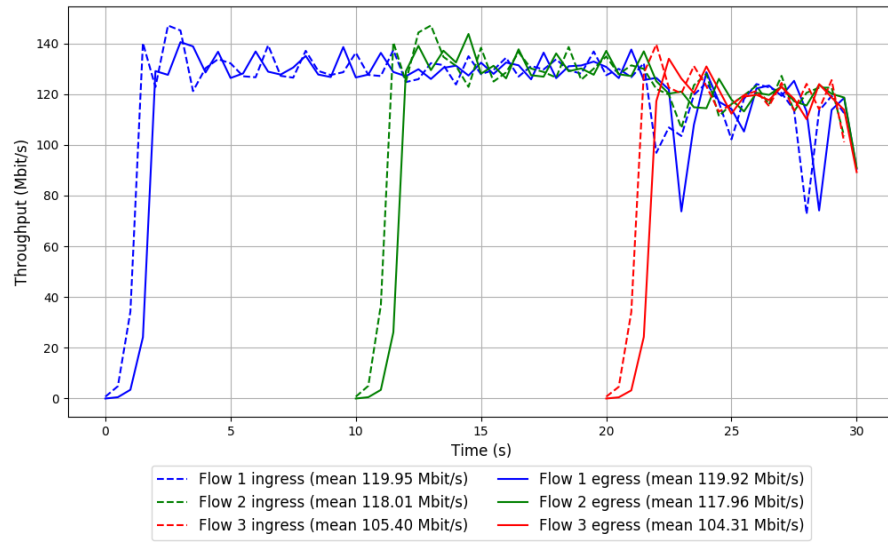
-- Flow 3:

Average throughput: 104.31 Mbit/s

95th percentile per-packet one-way delay: 124.772 ms

Loss rate: 2.30%

Run 3: Report of TCP BBR — Data Link

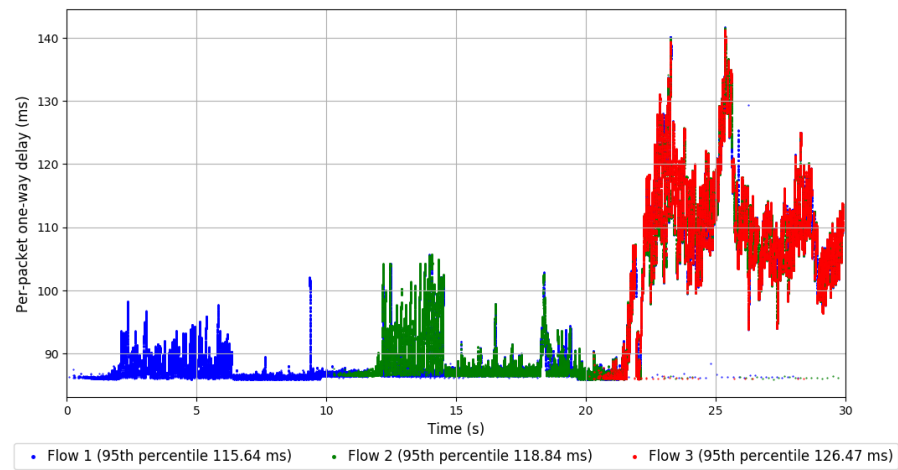
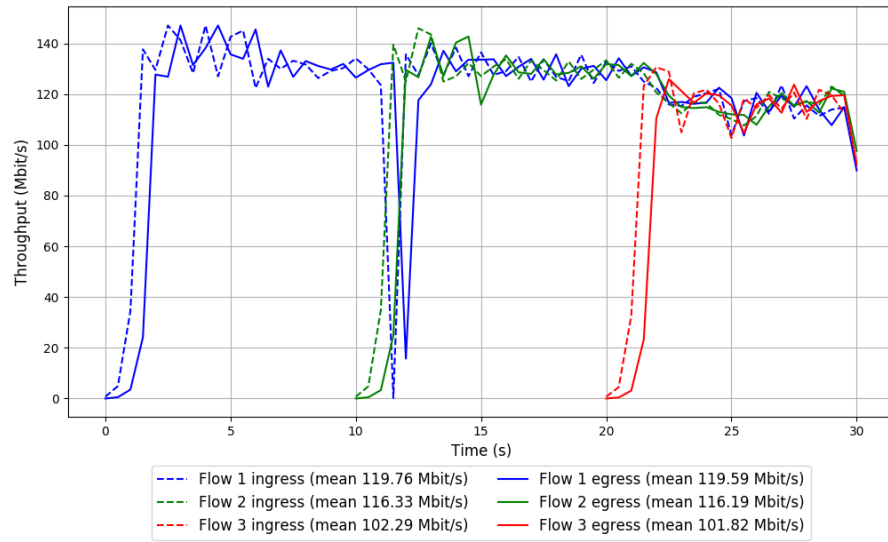


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 17:25:14
End at: 2018-07-18 17:25:44
Local clock offset: -0.135 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-18 20:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.18 Mbit/s
95th percentile per-packet one-way delay: 119.525 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 119.59 Mbit/s
95th percentile per-packet one-way delay: 115.642 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 116.19 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 101.82 Mbit/s
95th percentile per-packet one-way delay: 126.473 ms
Loss rate: 2.20%

Run 4: Report of TCP BBR — Data Link

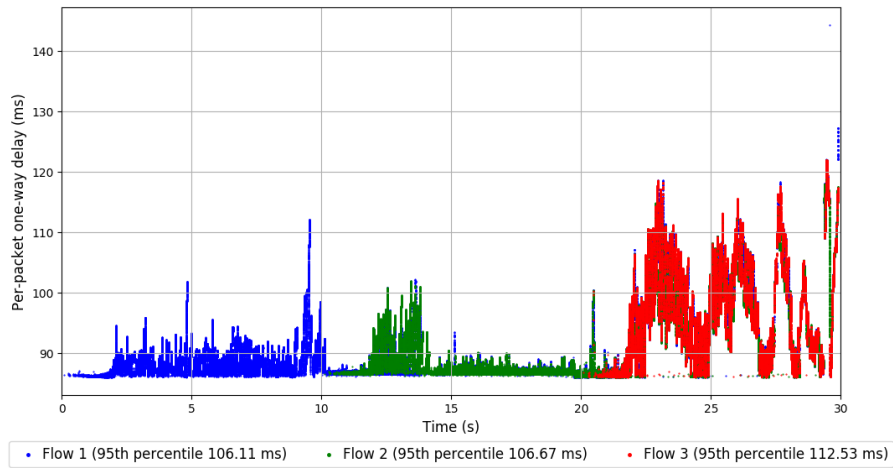
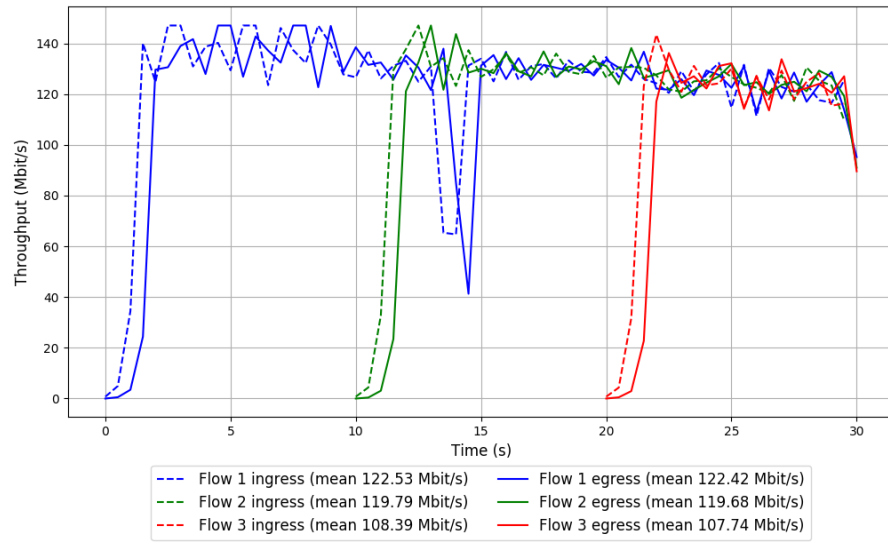


Run 5: Statistics of TCP BBR

Start at: 2018-07-18 17:49:54
End at: 2018-07-18 17:50:24
Local clock offset: -0.001 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-18 20:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.21 Mbit/s
95th percentile per-packet one-way delay: 107.901 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 106.112 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 119.68 Mbit/s
95th percentile per-packet one-way delay: 106.667 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 107.74 Mbit/s
95th percentile per-packet one-way delay: 112.526 ms
Loss rate: 2.07%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-18 18:14:28

End at: 2018-07-18 18:14:58

Local clock offset: -0.05 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-18 20:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.54 Mbit/s

95th percentile per-packet one-way delay: 135.205 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 119.33 Mbit/s

95th percentile per-packet one-way delay: 131.620 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 117.14 Mbit/s

95th percentile per-packet one-way delay: 134.198 ms

Loss rate: 0.92%

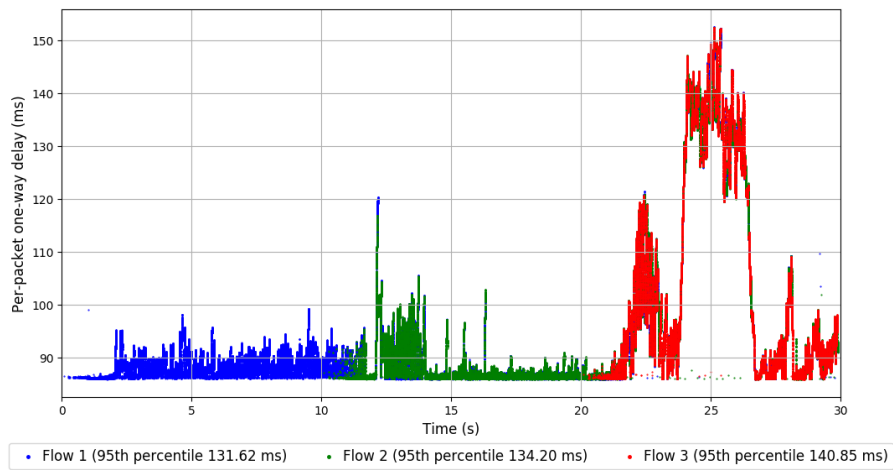
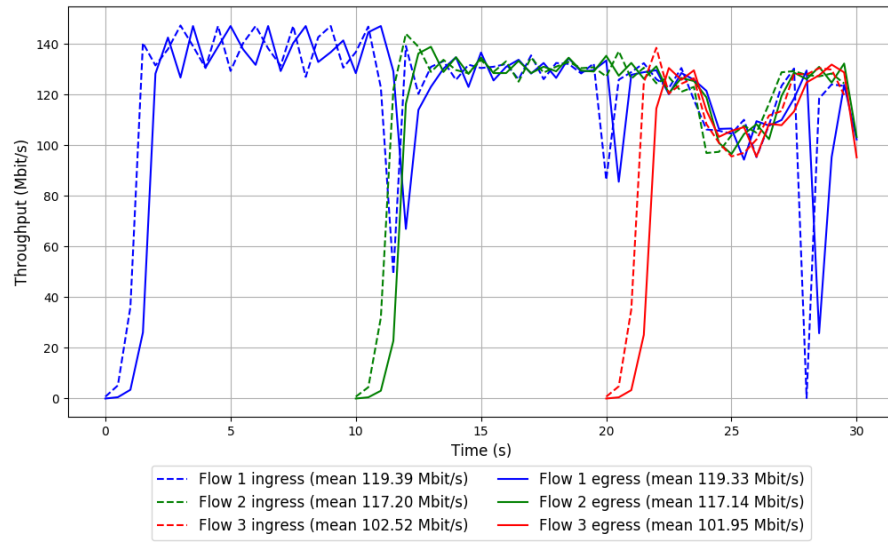
-- Flow 3:

Average throughput: 101.95 Mbit/s

95th percentile per-packet one-way delay: 140.854 ms

Loss rate: 2.36%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-18 18:39:19

End at: 2018-07-18 18:39:49

Local clock offset: -0.022 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-18 20:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.94 Mbit/s

95th percentile per-packet one-way delay: 119.832 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 118.48 Mbit/s

95th percentile per-packet one-way delay: 113.529 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 114.94 Mbit/s

95th percentile per-packet one-way delay: 120.033 ms

Loss rate: 0.97%

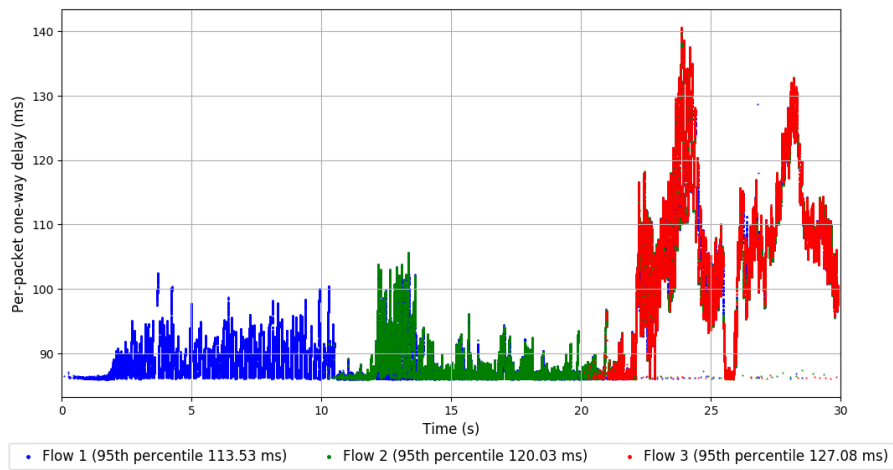
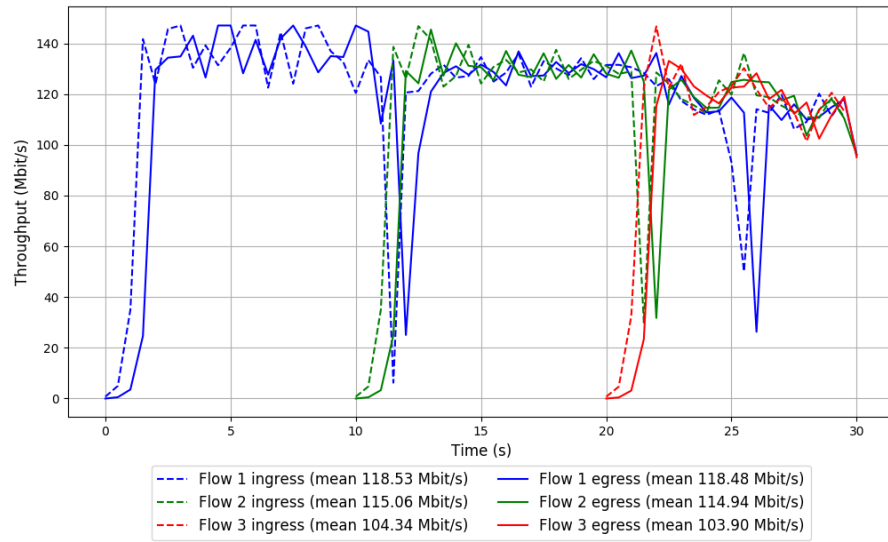
-- Flow 3:

Average throughput: 103.90 Mbit/s

95th percentile per-packet one-way delay: 127.083 ms

Loss rate: 2.16%

Run 7: Report of TCP BBR — Data Link

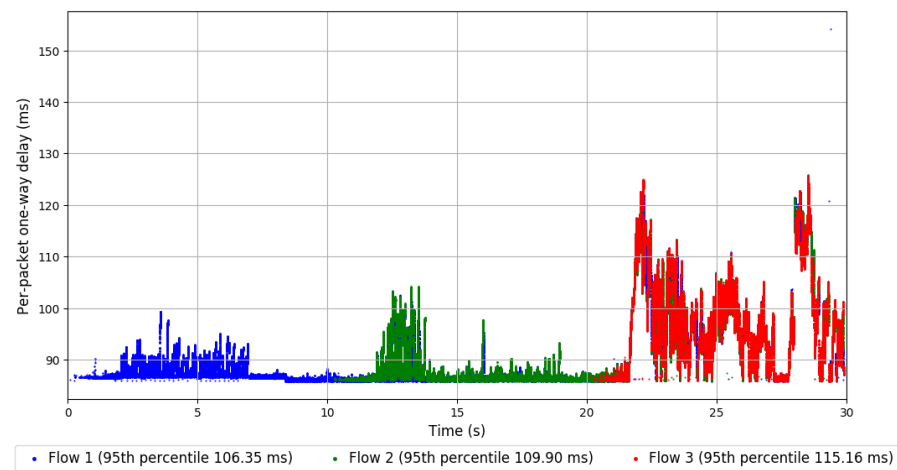
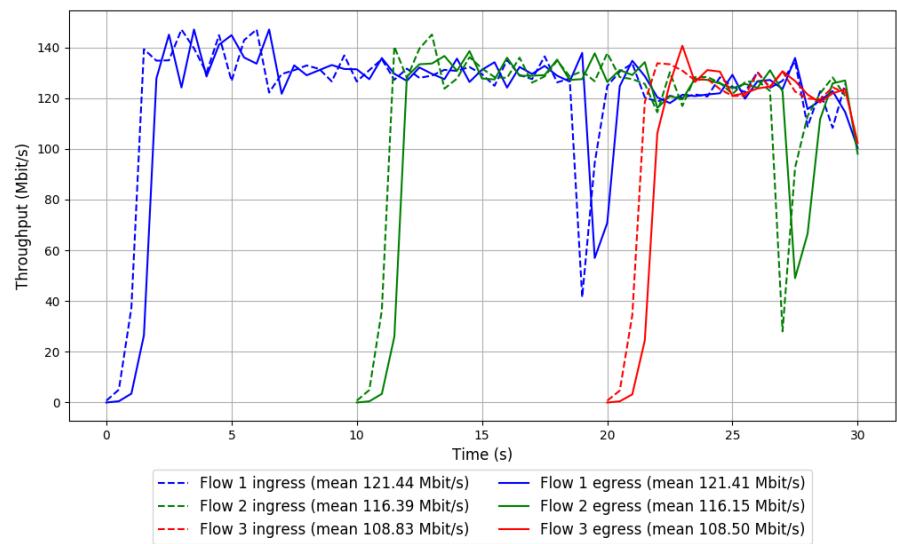


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 19:03:55
End at: 2018-07-18 19:04:25
Local clock offset: -0.231 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-18 20:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.18 Mbit/s
95th percentile per-packet one-way delay: 110.313 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 121.41 Mbit/s
95th percentile per-packet one-way delay: 106.349 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 116.15 Mbit/s
95th percentile per-packet one-way delay: 109.903 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 108.50 Mbit/s
95th percentile per-packet one-way delay: 115.156 ms
Loss rate: 2.04%

Run 8: Report of TCP BBR — Data Link

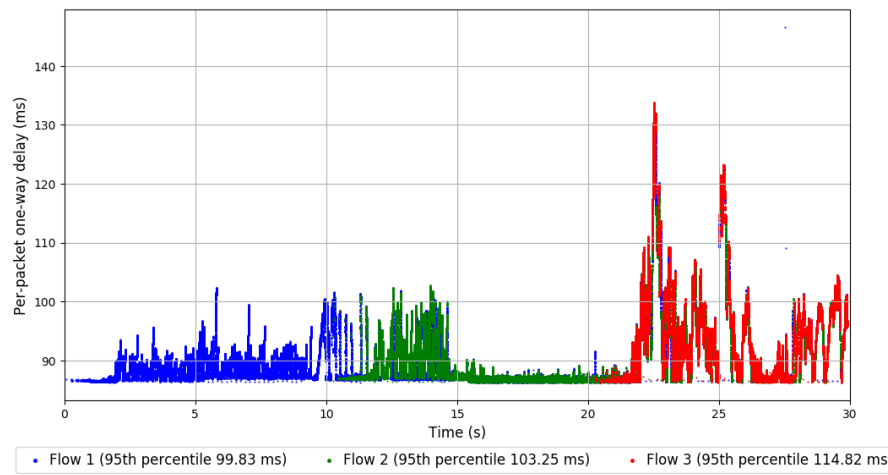
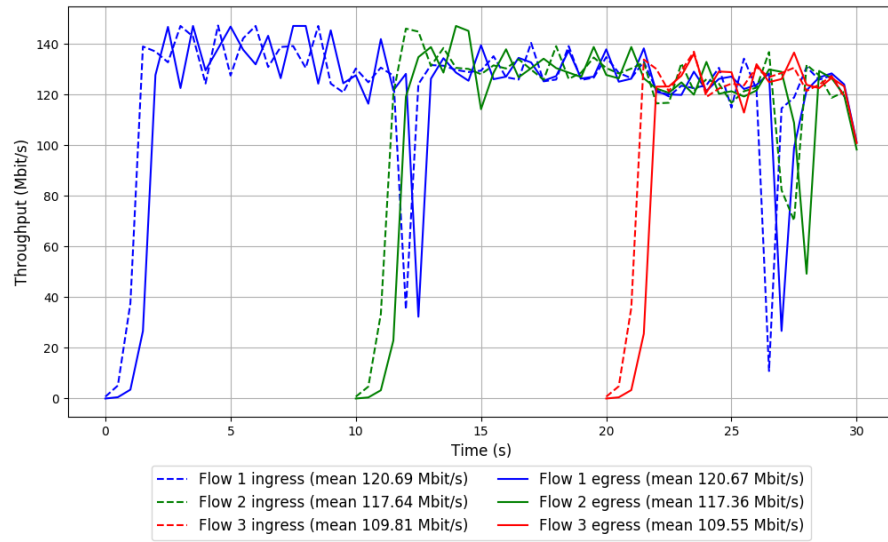


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 19:28:58
End at: 2018-07-18 19:29:28
Local clock offset: 0.1 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-18 20:18:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.65 Mbit/s
95th percentile per-packet one-way delay: 102.841 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 99.828 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 117.36 Mbit/s
95th percentile per-packet one-way delay: 103.245 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 109.55 Mbit/s
95th percentile per-packet one-way delay: 114.822 ms
Loss rate: 1.98%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 19:53:53

End at: 2018-07-18 19:54:23

Local clock offset: -0.097 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-18 20:18:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.71 Mbit/s

95th percentile per-packet one-way delay: 114.335 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 121.80 Mbit/s

95th percentile per-packet one-way delay: 109.458 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 114.46 Mbit/s

95th percentile per-packet one-way delay: 115.142 ms

Loss rate: 0.98%

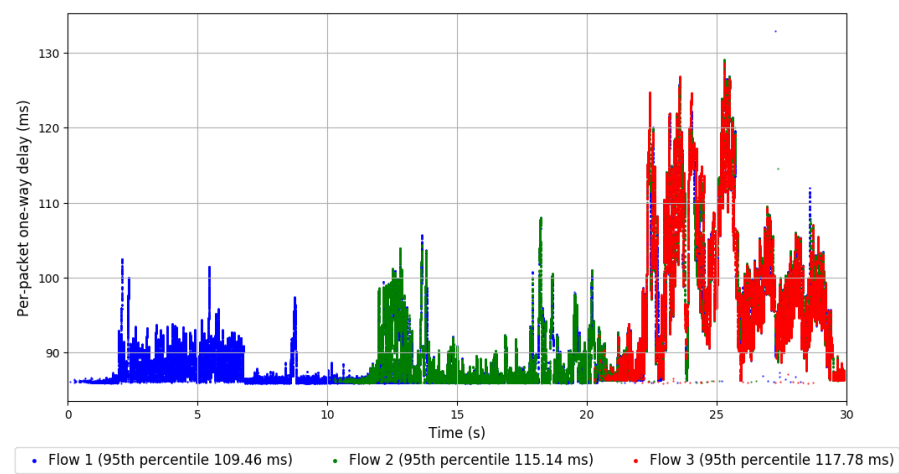
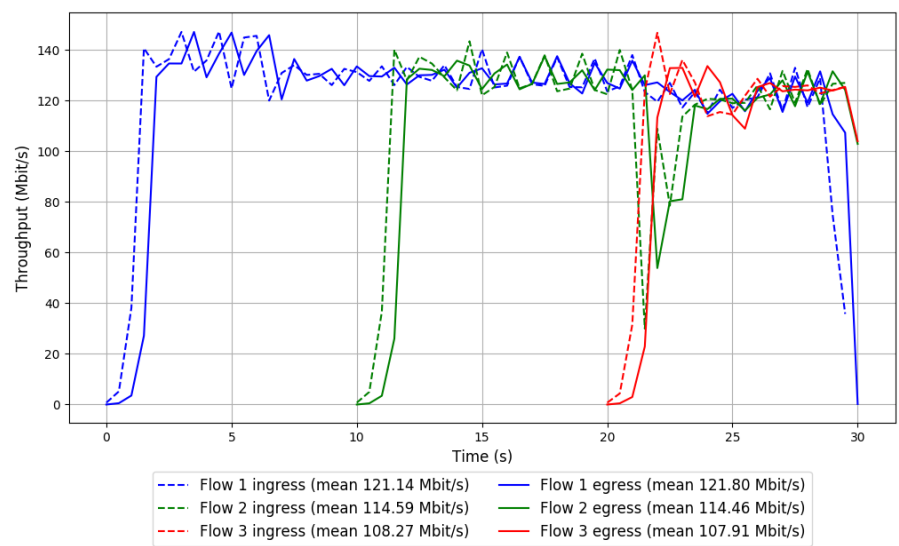
-- Flow 3:

Average throughput: 107.91 Mbit/s

95th percentile per-packet one-way delay: 117.779 ms

Loss rate: 2.08%

Run 10: Report of TCP BBR — Data Link

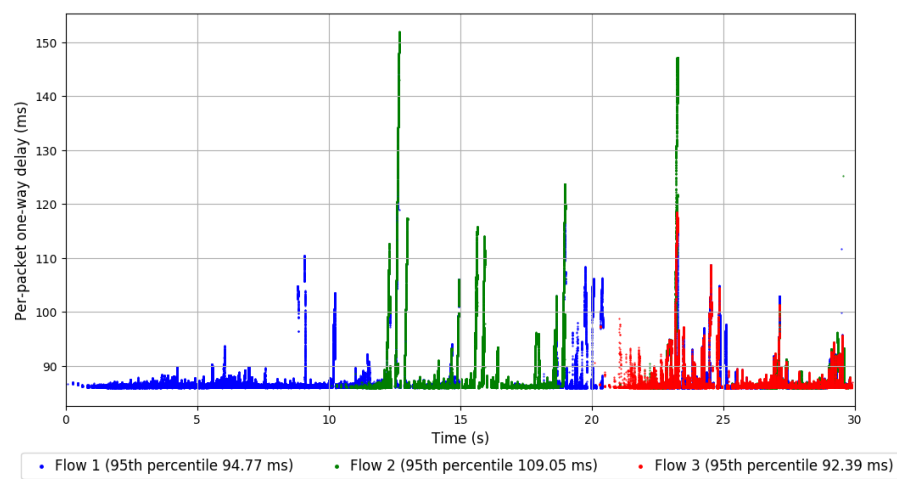
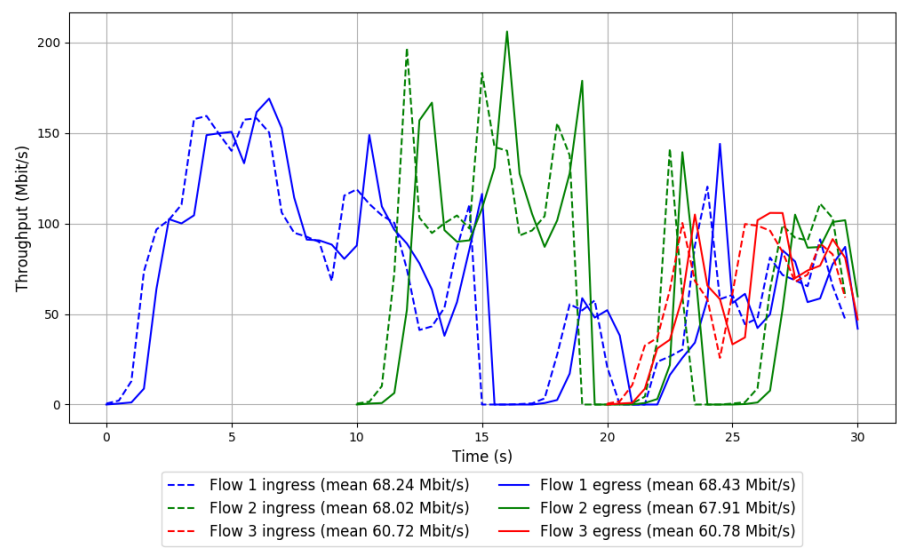


Run 1: Statistics of Copa

Start at: 2018-07-18 15:50:14
End at: 2018-07-18 15:50:44
Local clock offset: -0.185 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 20:18:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.21 Mbit/s
95th percentile per-packet one-way delay: 98.841 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 94.766 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 109.053 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 92.393 ms
Loss rate: 1.68%

Run 1: Report of Copa — Data Link

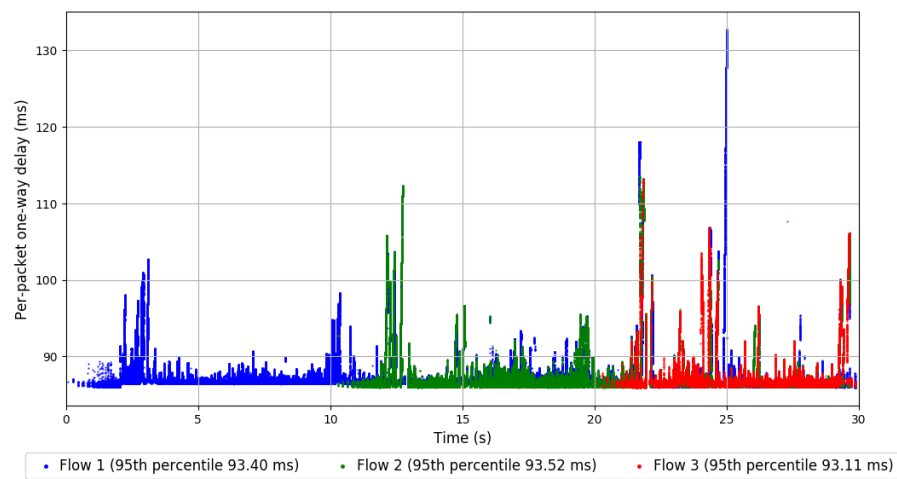
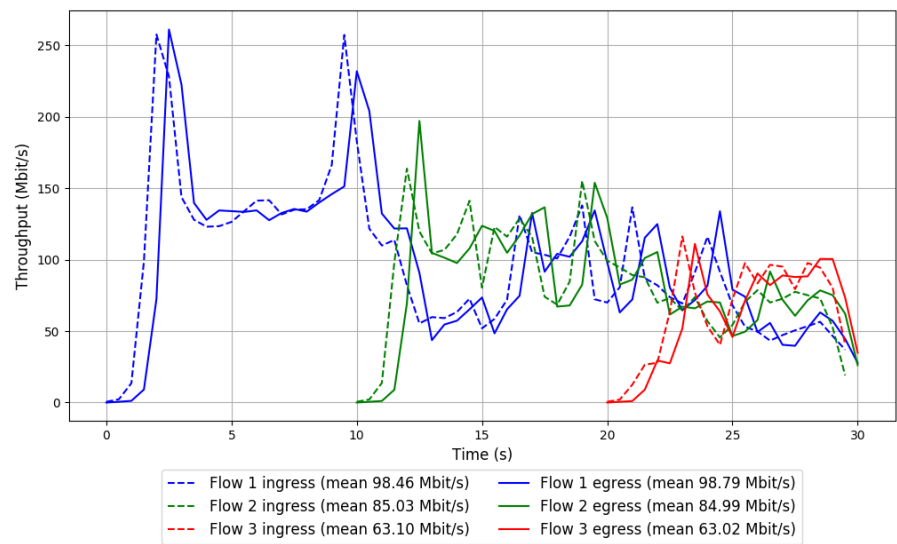


Run 2: Statistics of Copa

Start at: 2018-07-18 16:15:01
End at: 2018-07-18 16:15:31
Local clock offset: -0.098 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-18 20:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.27 Mbit/s
95th percentile per-packet one-way delay: 93.418 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 98.79 Mbit/s
95th percentile per-packet one-way delay: 93.402 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 93.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 93.105 ms
Loss rate: 1.86%

Run 2: Report of Copa — Data Link

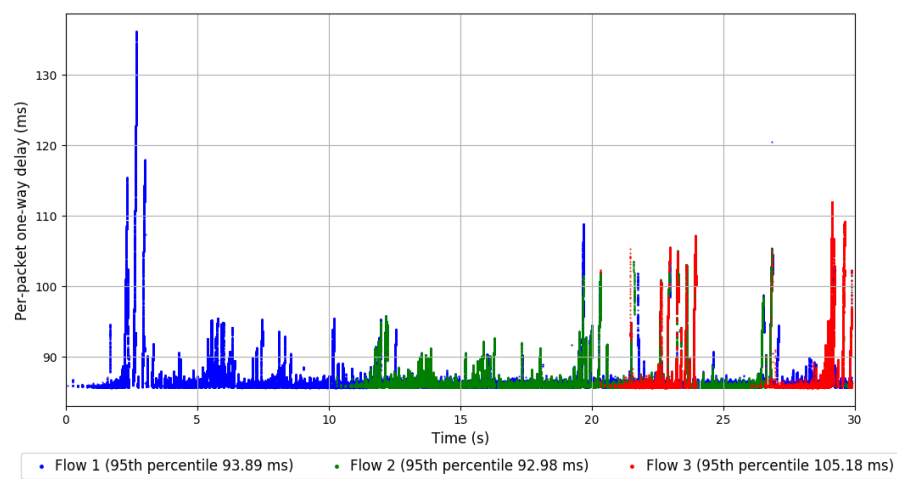
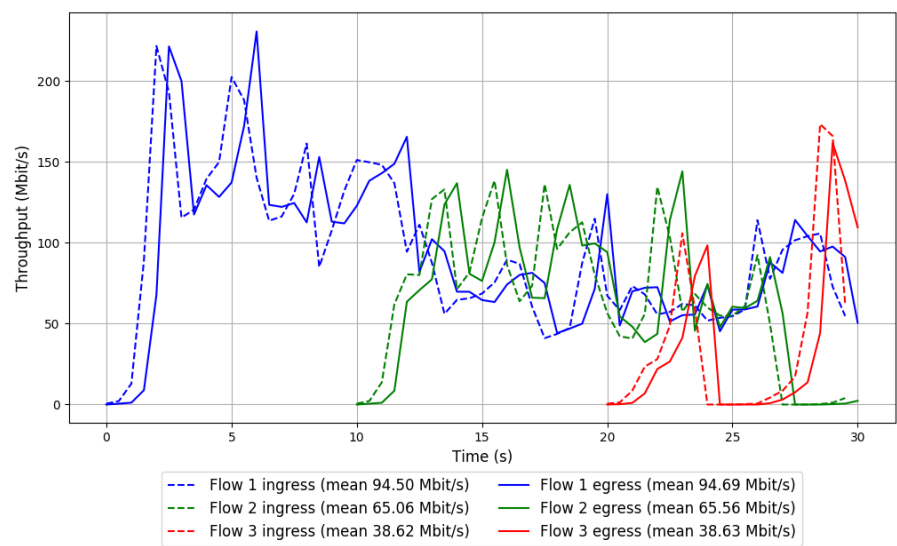


Run 3: Statistics of Copa

Start at: 2018-07-18 16:40:02
End at: 2018-07-18 16:40:32
Local clock offset: -0.387 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-18 20:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.89 Mbit/s
95th percentile per-packet one-way delay: 94.925 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 93.895 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 92.985 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 105.178 ms
Loss rate: 1.32%

Run 3: Report of Copa — Data Link

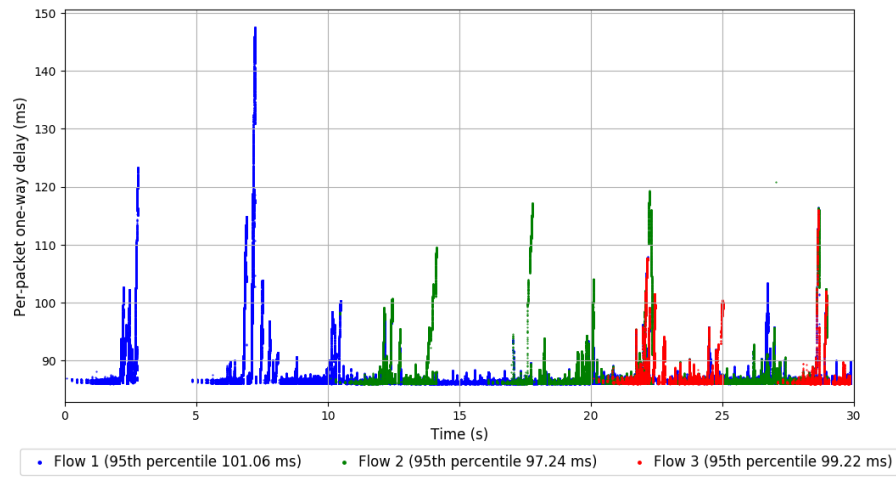
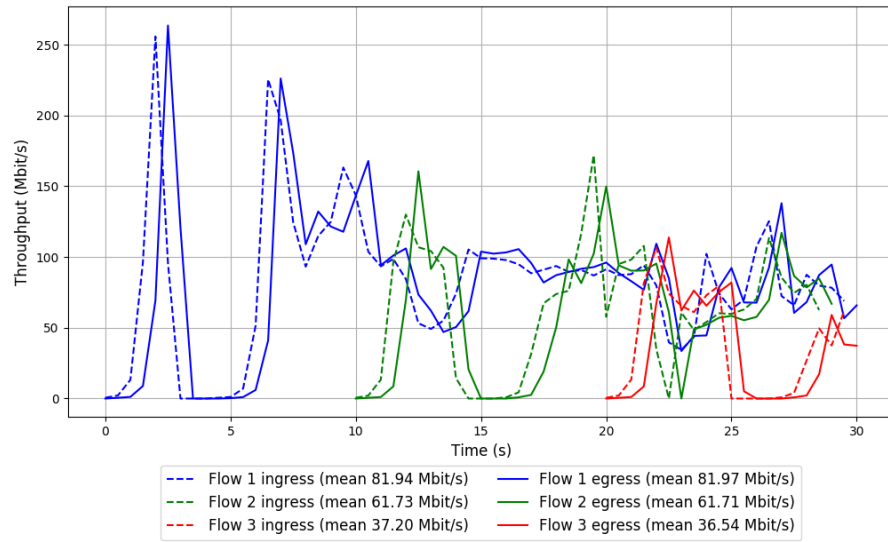


Run 4: Statistics of Copa

Start at: 2018-07-18 17:04:43
End at: 2018-07-18 17:05:13
Local clock offset: -0.076 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-18 20:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.01 Mbit/s
95th percentile per-packet one-way delay: 99.306 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 101.062 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 97.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 99.222 ms
Loss rate: 3.52%

Run 4: Report of Copa — Data Link

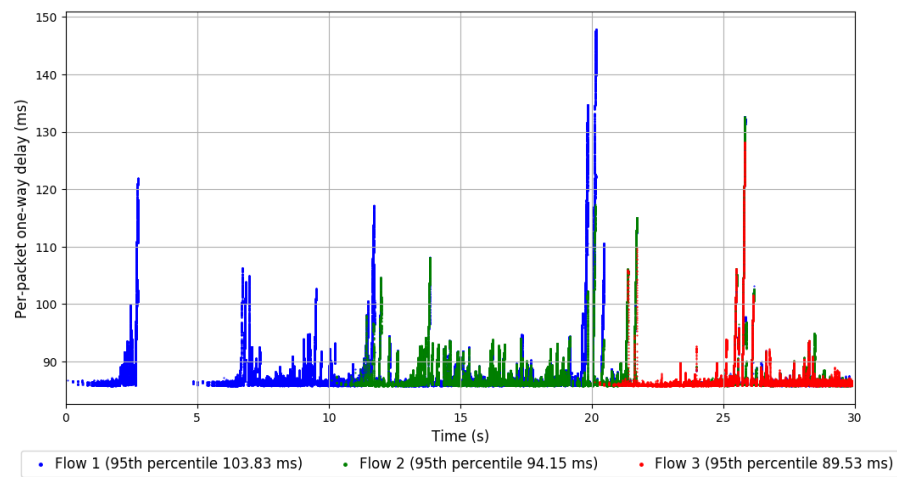
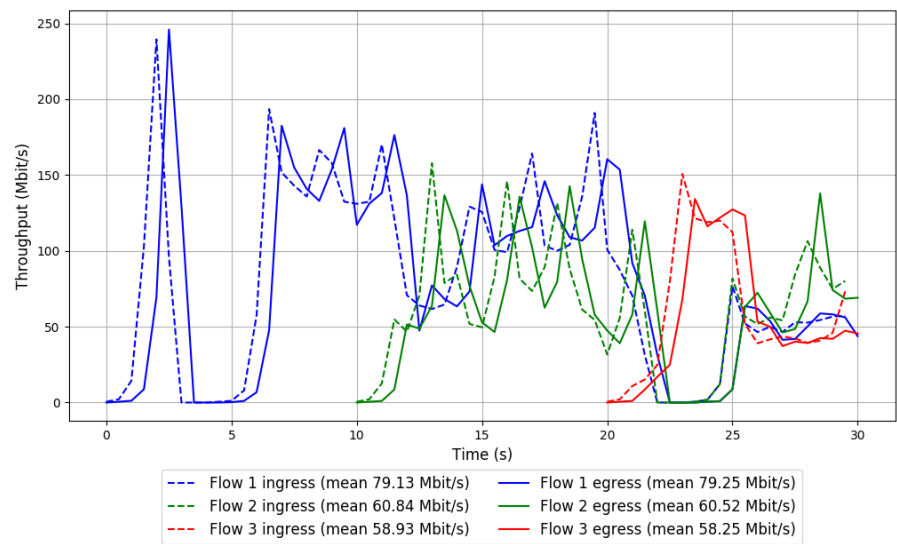


Run 5: Statistics of Copa

Start at: 2018-07-18 17:29:39
End at: 2018-07-18 17:30:09
Local clock offset: -0.246 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-18 20:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.49 Mbit/s
95th percentile per-packet one-way delay: 100.582 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 103.828 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 60.52 Mbit/s
95th percentile per-packet one-way delay: 94.146 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 89.534 ms
Loss rate: 2.90%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-18 17:54:23

End at: 2018-07-18 17:54:53

Local clock offset: -0.109 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-18 20:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 149.28 Mbit/s

95th percentile per-packet one-way delay: 98.885 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 91.37 Mbit/s

95th percentile per-packet one-way delay: 100.071 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 66.08 Mbit/s

95th percentile per-packet one-way delay: 95.152 ms

Loss rate: 0.89%

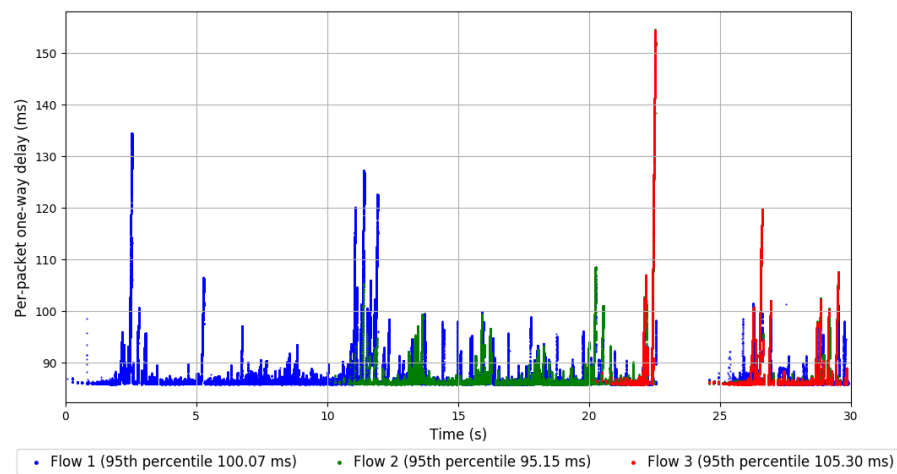
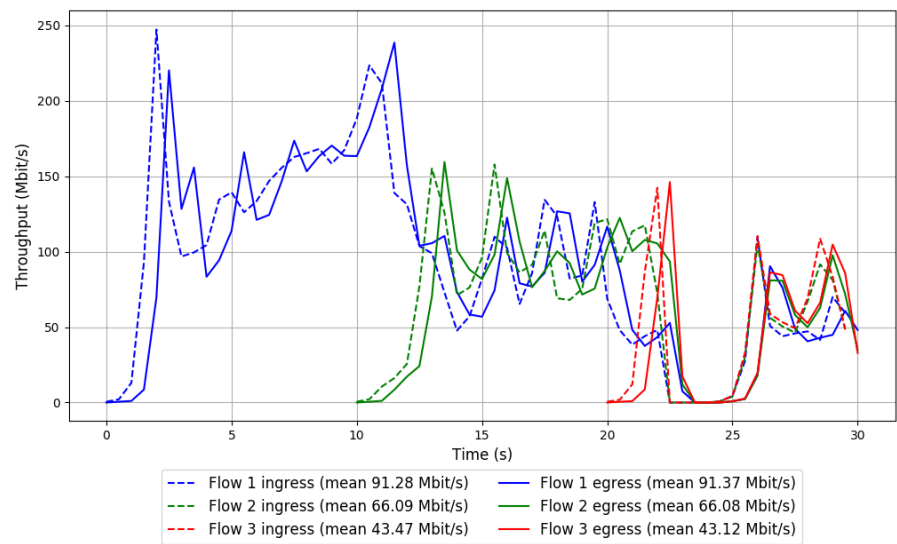
-- Flow 3:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 105.297 ms

Loss rate: 2.57%

Run 6: Report of Copa — Data Link

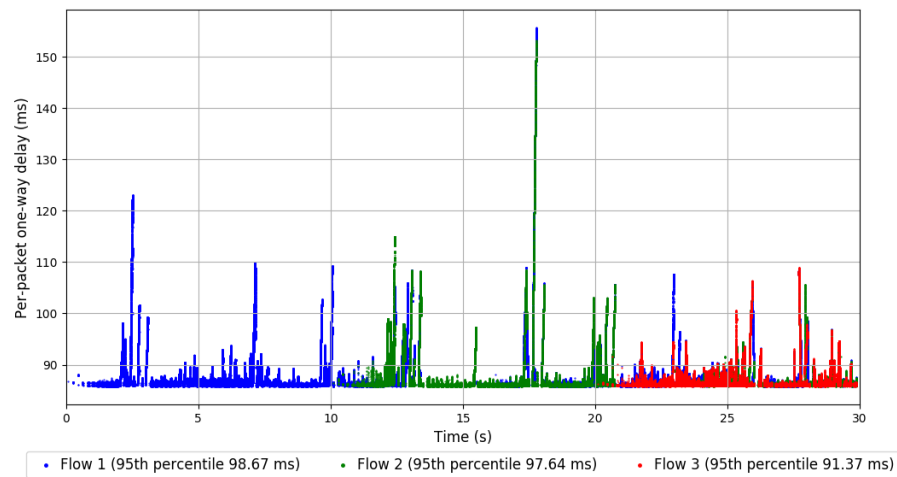
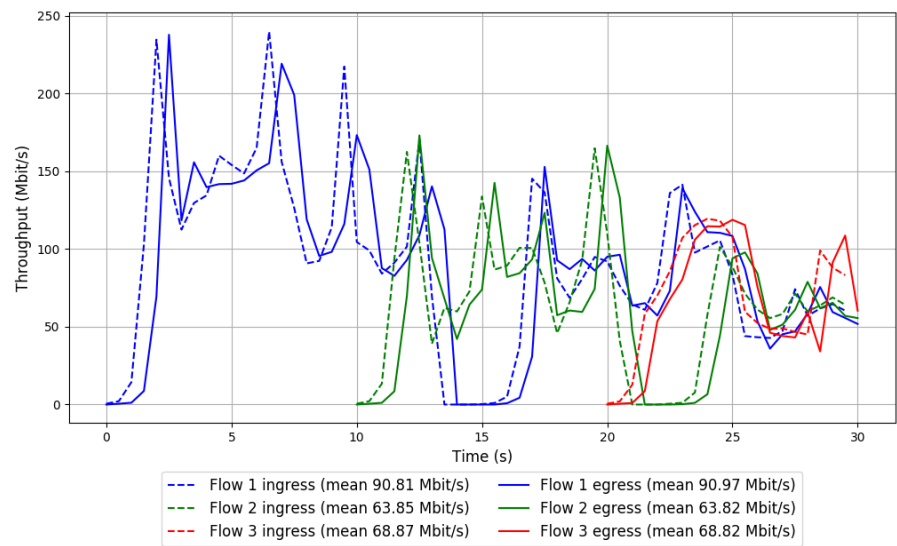


Run 7: Statistics of Copa

Start at: 2018-07-18 18:18:55
End at: 2018-07-18 18:19:25
Local clock offset: -0.179 ms
Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-18 20:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.90 Mbit/s
95th percentile per-packet one-way delay: 97.399 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 98.666 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 97.639 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 68.82 Mbit/s
95th percentile per-packet one-way delay: 91.370 ms
Loss rate: 1.83%

Run 7: Report of Copa — Data Link

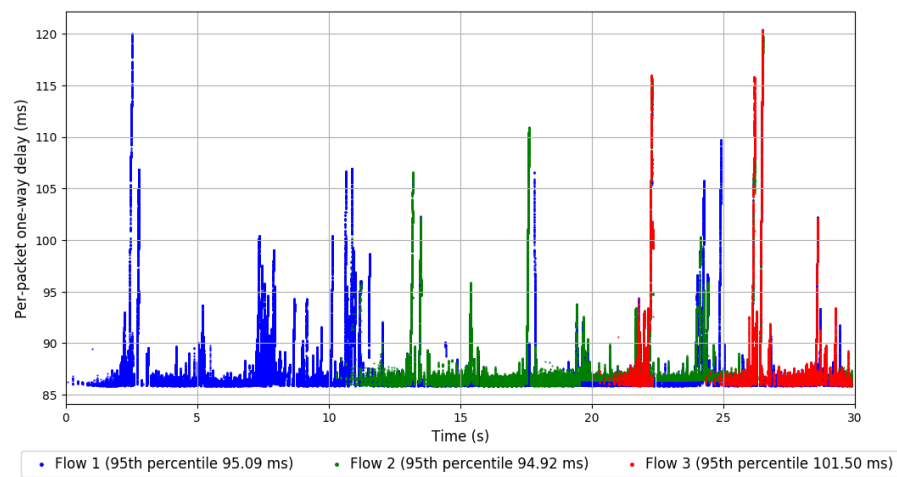
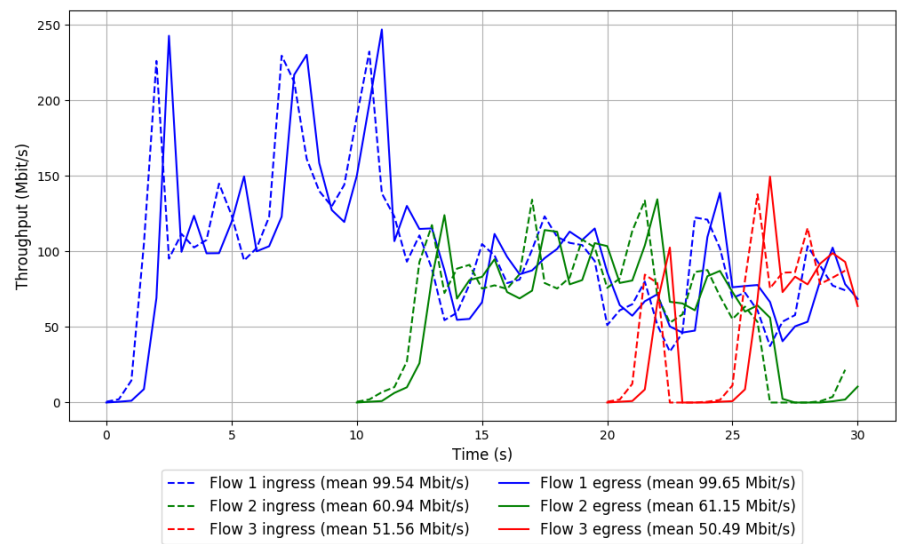


Run 8: Statistics of Copa

Start at: 2018-07-18 18:43:44
End at: 2018-07-18 18:44:14
Local clock offset: -0.17 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-18 20:23:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.85 Mbit/s
95th percentile per-packet one-way delay: 95.480 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 99.65 Mbit/s
95th percentile per-packet one-way delay: 95.095 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 94.915 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 101.505 ms
Loss rate: 3.31%

Run 8: Report of Copa — Data Link

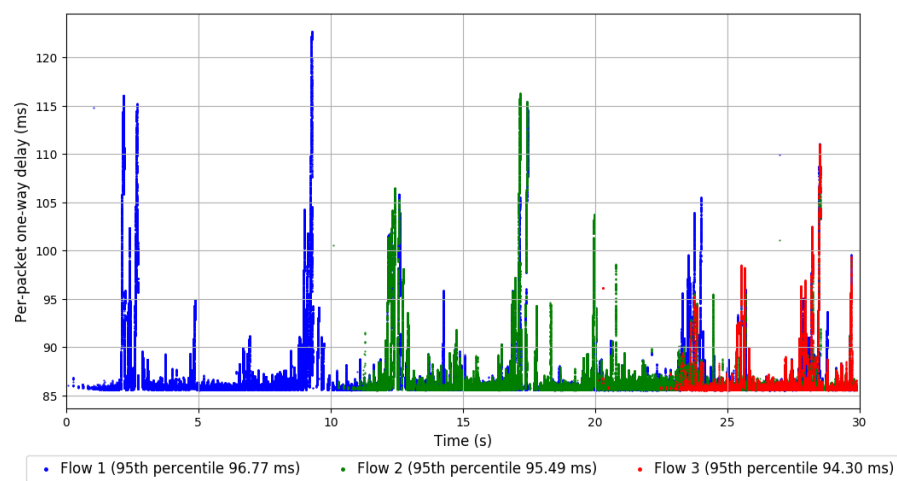
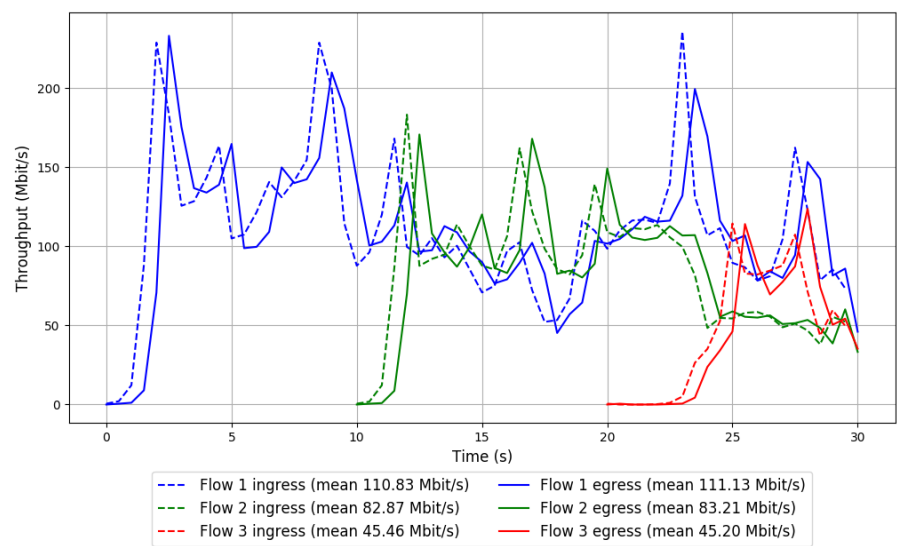


Run 9: Statistics of Copa

Start at: 2018-07-18 19:08:23
End at: 2018-07-18 19:08:53
Local clock offset: -0.476 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-18 20:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.59 Mbit/s
95th percentile per-packet one-way delay: 96.076 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 111.13 Mbit/s
95th percentile per-packet one-way delay: 96.771 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 95.488 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 94.297 ms
Loss rate: 2.29%

Run 9: Report of Copa — Data Link

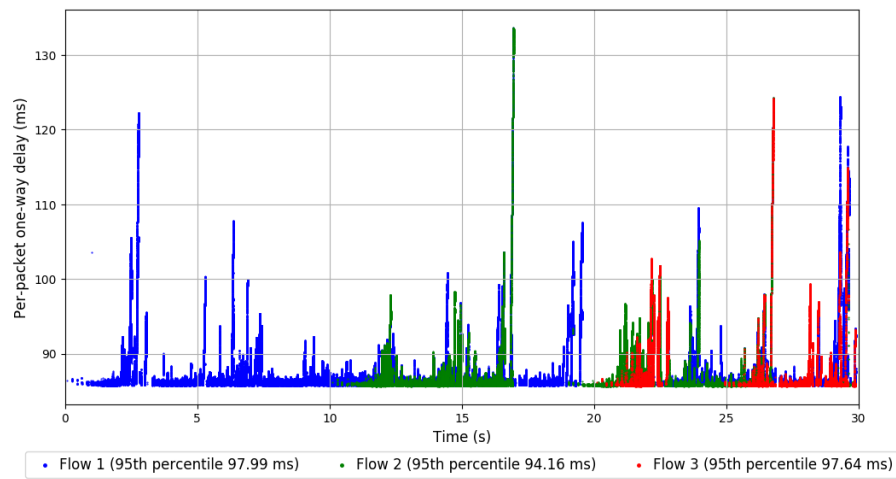
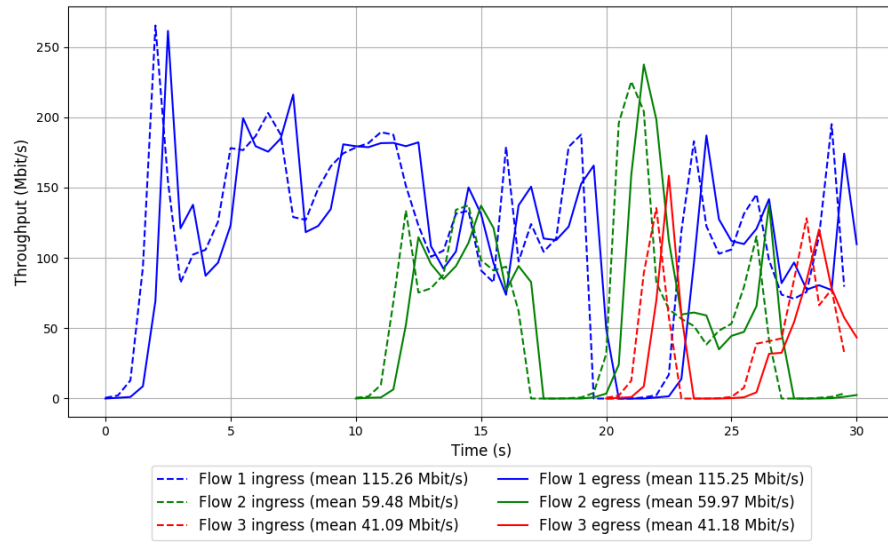


Run 10: Statistics of Copa

Start at: 2018-07-18 19:33:24
End at: 2018-07-18 19:33:54
Local clock offset: -0.407 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-18 20:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.50 Mbit/s
95th percentile per-packet one-way delay: 96.970 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 115.25 Mbit/s
95th percentile per-packet one-way delay: 97.988 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 94.161 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 97.643 ms
Loss rate: 1.66%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 16:06:29

End at: 2018-07-18 16:06:59

Local clock offset: -0.317 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-18 20:24:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.60 Mbit/s

95th percentile per-packet one-way delay: 101.012 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 101.799 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 27.30 Mbit/s

95th percentile per-packet one-way delay: 97.720 ms

Loss rate: 4.06%

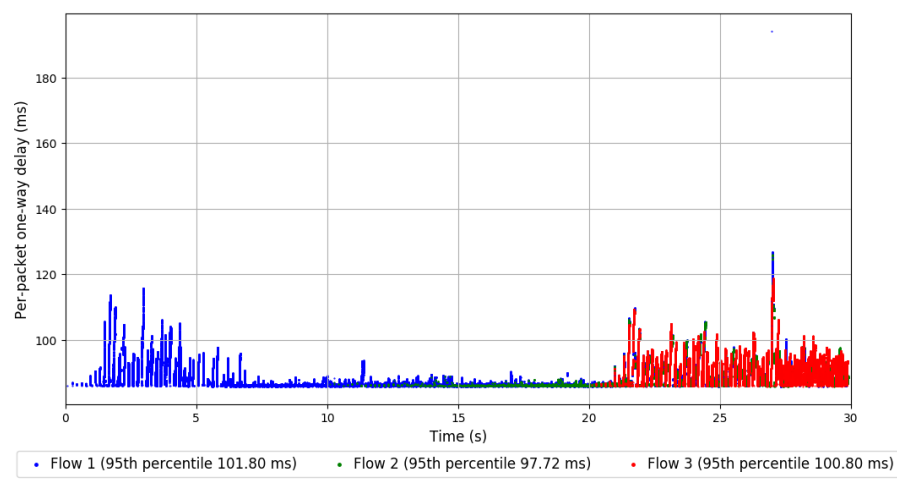
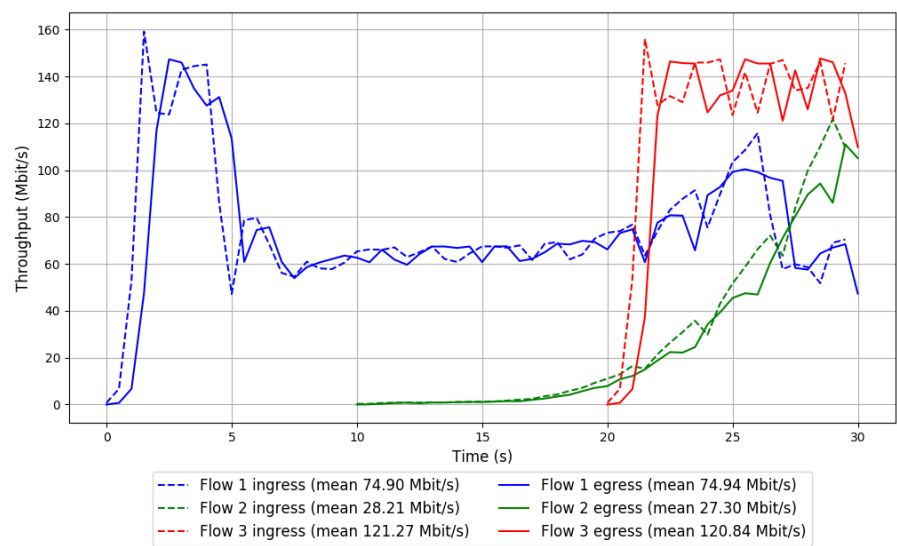
-- Flow 3:

Average throughput: 120.84 Mbit/s

95th percentile per-packet one-way delay: 100.798 ms

Loss rate: 2.03%

Run 1: Report of TCP Cubic — Data Link

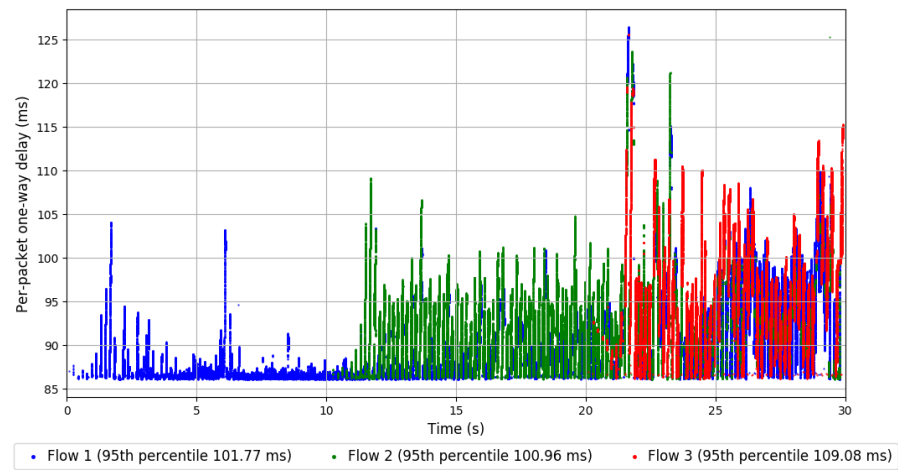
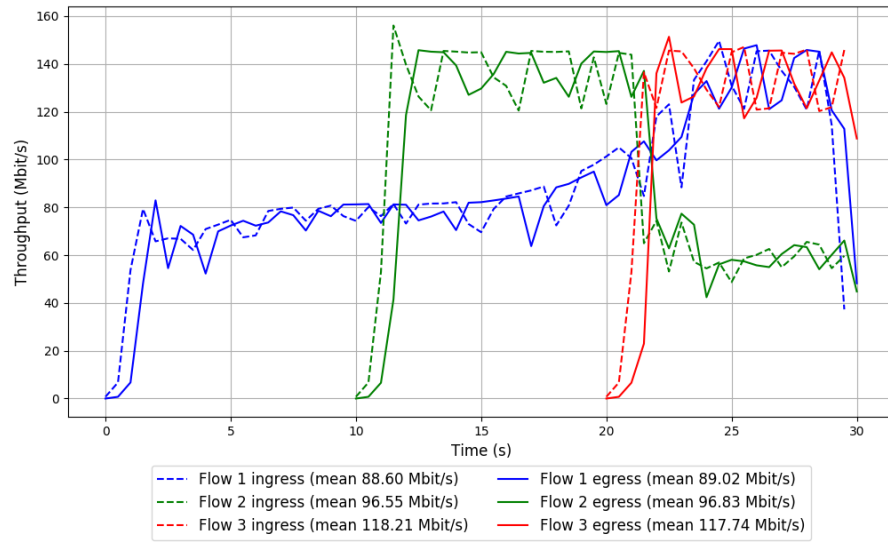


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 16:31:24
End at: 2018-07-18 16:31:54
Local clock offset: -0.04 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-18 20:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.61 Mbit/s
95th percentile per-packet one-way delay: 104.792 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 101.771 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 100.961 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 117.74 Mbit/s
95th percentile per-packet one-way delay: 109.078 ms
Loss rate: 2.07%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 16:56:11

End at: 2018-07-18 16:56:41

Local clock offset: 0.044 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-18 20:24:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.09 Mbit/s

95th percentile per-packet one-way delay: 109.364 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 104.974 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 125.79 Mbit/s

95th percentile per-packet one-way delay: 109.727 ms

Loss rate: 0.35%

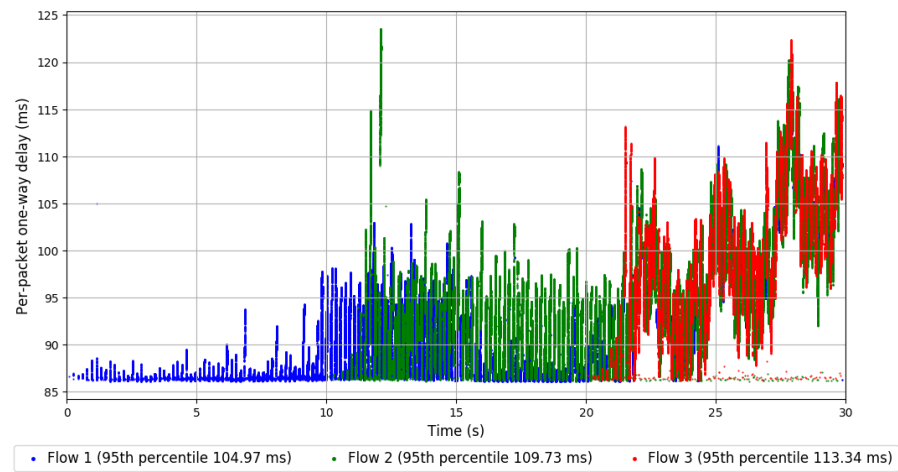
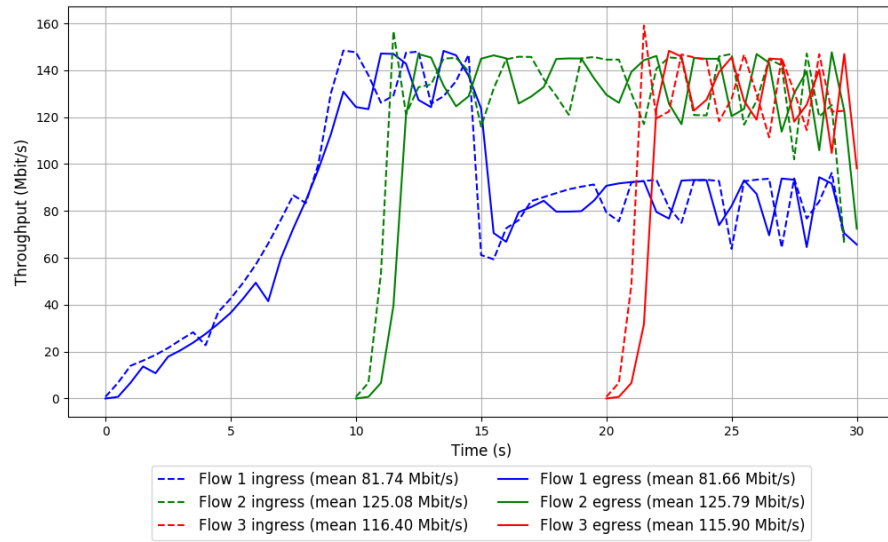
-- Flow 3:

Average throughput: 115.90 Mbit/s

95th percentile per-packet one-way delay: 113.342 ms

Loss rate: 2.13%

Run 3: Report of TCP Cubic — Data Link

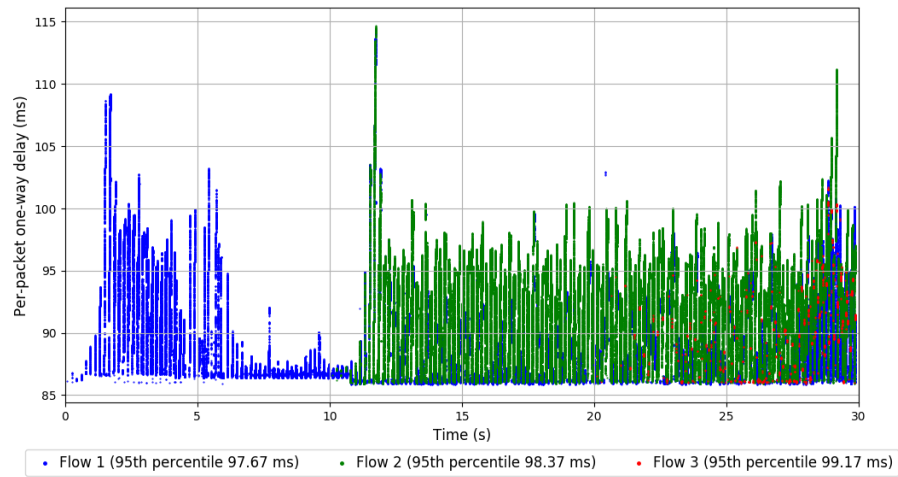
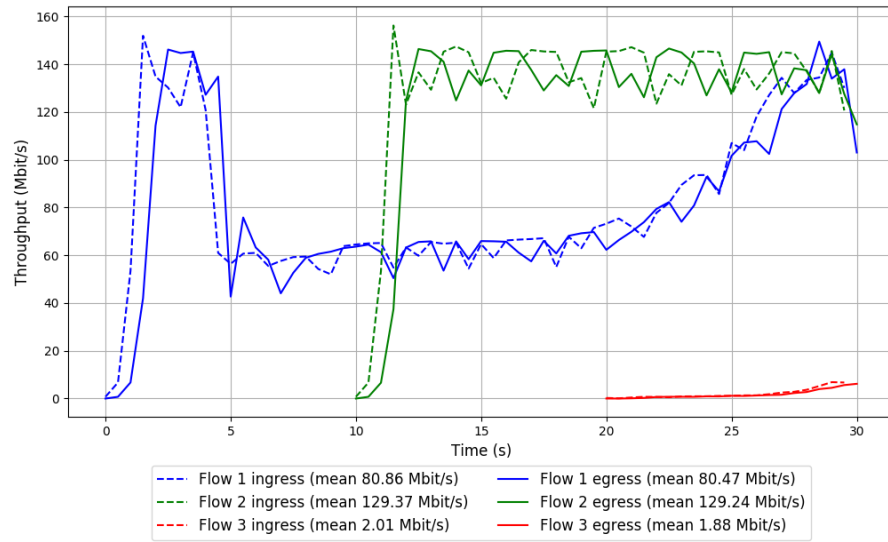


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 17:21:03
End at: 2018-07-18 17:21:33
Local clock offset: -0.112 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-18 20:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.87 Mbit/s
95th percentile per-packet one-way delay: 98.137 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 97.673 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 129.24 Mbit/s
95th percentile per-packet one-way delay: 98.368 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 99.166 ms
Loss rate: 8.03%

Run 4: Report of TCP Cubic — Data Link

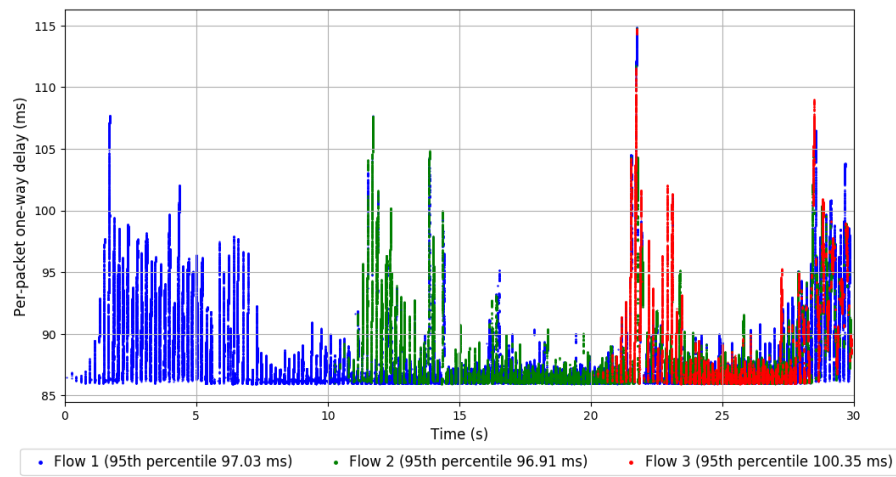
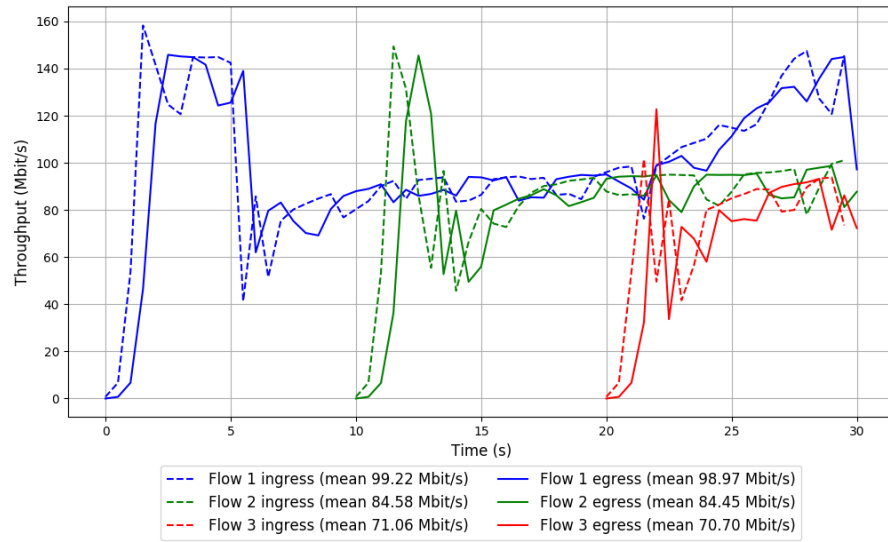


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 17:45:43
End at: 2018-07-18 17:46:13
Local clock offset: 0.023 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-18 20:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.07 Mbit/s
95th percentile per-packet one-way delay: 97.441 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 98.97 Mbit/s
95th percentile per-packet one-way delay: 97.030 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 96.912 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 100.349 ms
Loss rate: 2.23%

Run 5: Report of TCP Cubic — Data Link

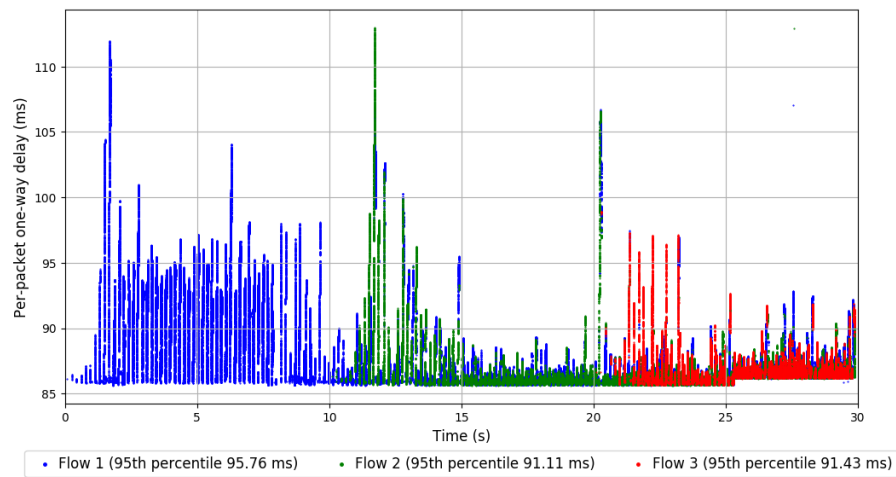
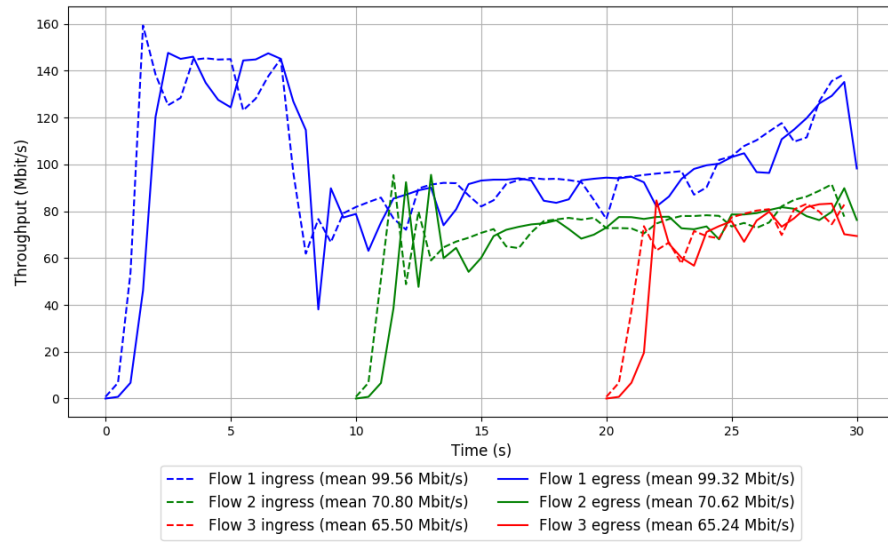


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 18:10:18
End at: 2018-07-18 18:10:48
Local clock offset: -0.346 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-18 20:26:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.60 Mbit/s
95th percentile per-packet one-way delay: 94.757 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 99.32 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 70.62 Mbit/s
95th percentile per-packet one-way delay: 91.110 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 91.429 ms
Loss rate: 2.14%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 18:35:09

End at: 2018-07-18 18:35:39

Local clock offset: -0.06 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-18 20:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.49 Mbit/s

95th percentile per-packet one-way delay: 100.123 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 98.928 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 72.00 Mbit/s

95th percentile per-packet one-way delay: 98.561 ms

Loss rate: 0.68%

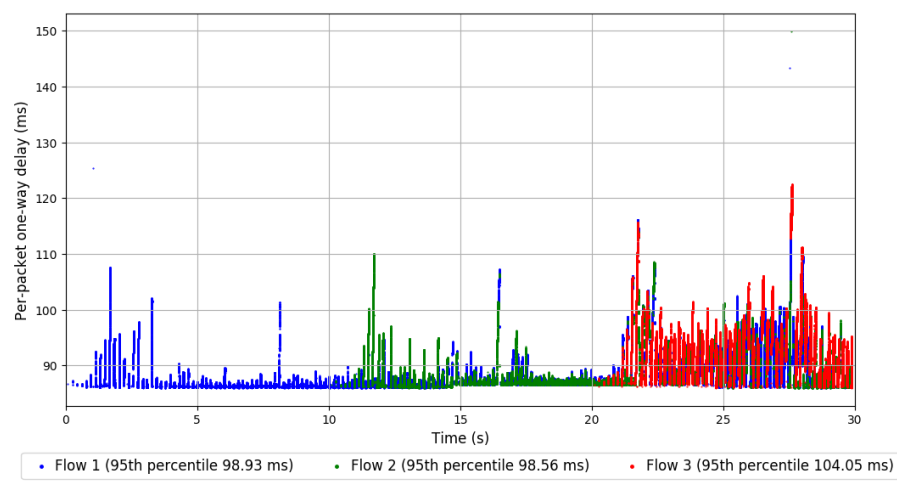
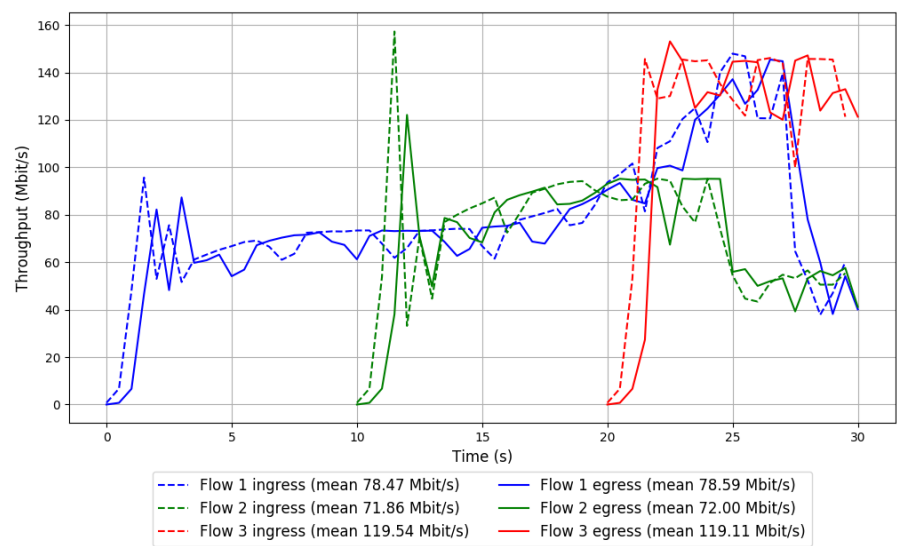
-- Flow 3:

Average throughput: 119.11 Mbit/s

95th percentile per-packet one-way delay: 104.048 ms

Loss rate: 2.04%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 18:59:46

End at: 2018-07-18 19:00:16

Local clock offset: -0.15 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-18 20:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.59 Mbit/s

95th percentile per-packet one-way delay: 96.530 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 97.210 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 88.160 ms

Loss rate: 3.70%

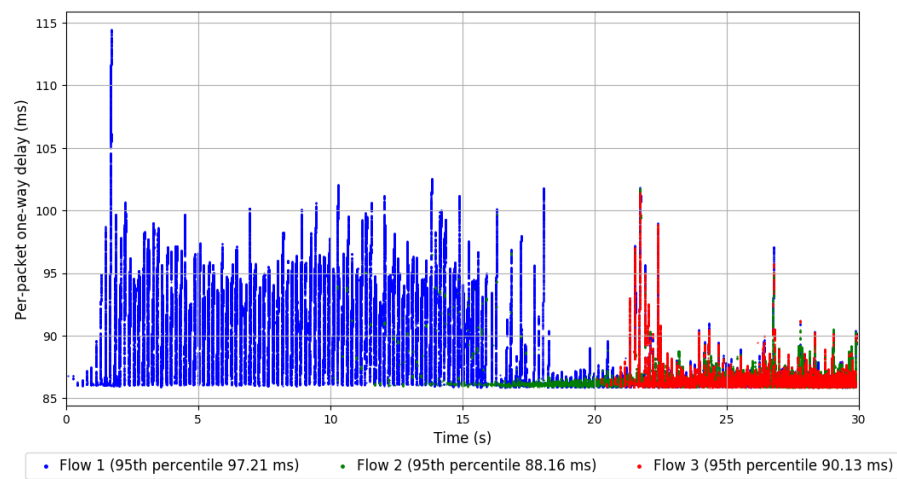
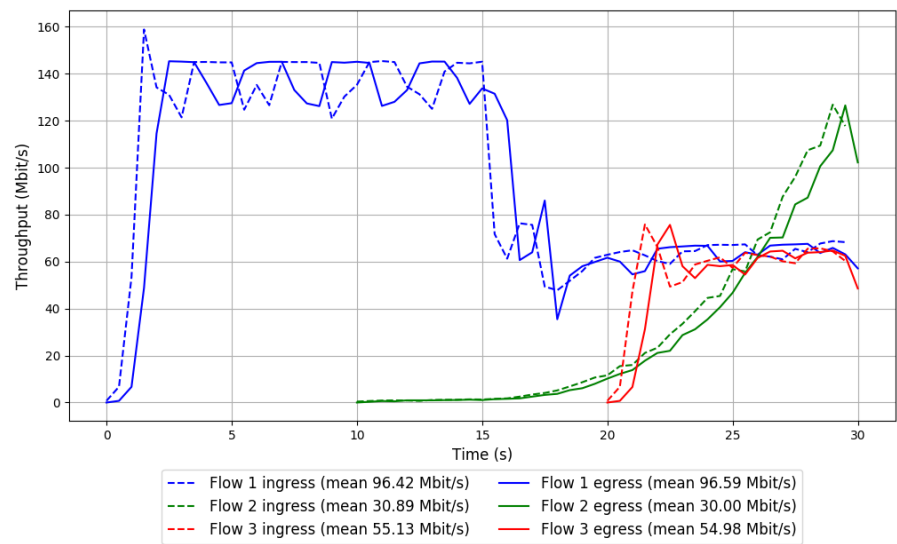
-- Flow 3:

Average throughput: 54.98 Mbit/s

95th percentile per-packet one-way delay: 90.127 ms

Loss rate: 1.99%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 19:24:46

End at: 2018-07-18 19:25:16

Local clock offset: 0.024 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-18 20:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.17 Mbit/s

95th percentile per-packet one-way delay: 106.064 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 102.921 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 82.75 Mbit/s

95th percentile per-packet one-way delay: 104.420 ms

Loss rate: 1.18%

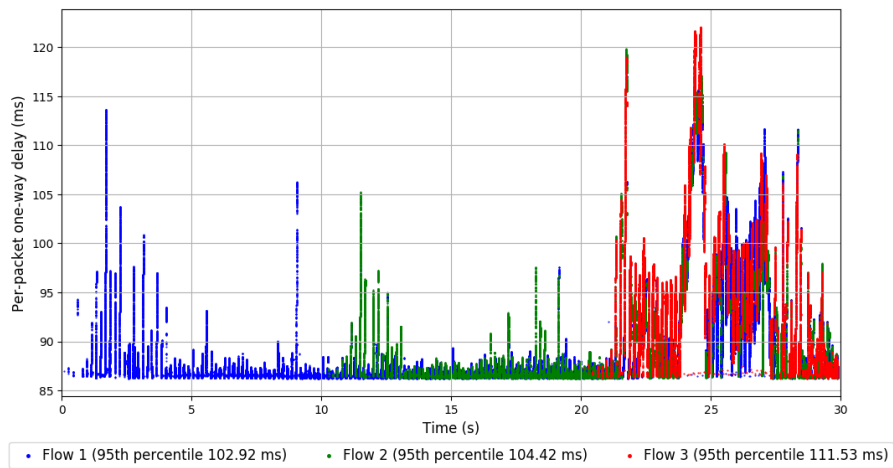
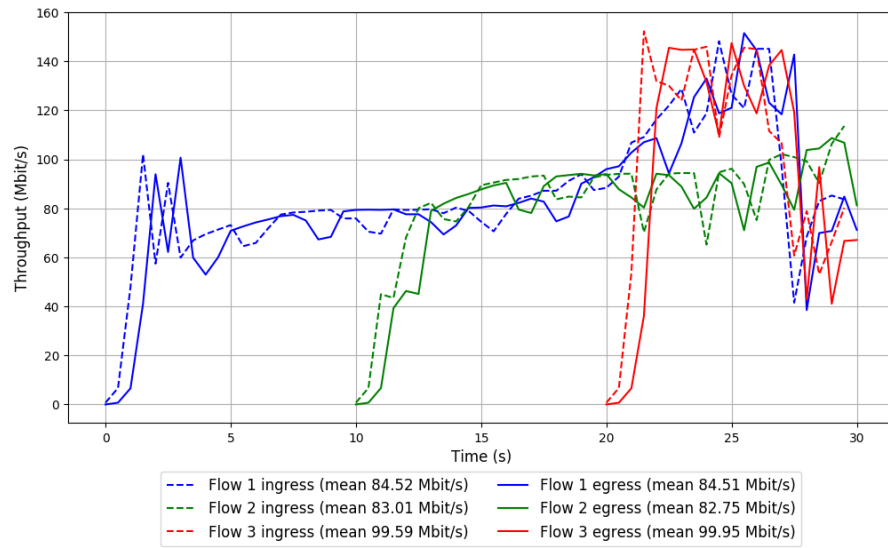
-- Flow 3:

Average throughput: 99.95 Mbit/s

95th percentile per-packet one-way delay: 111.529 ms

Loss rate: 1.38%

Run 9: Report of TCP Cubic — Data Link

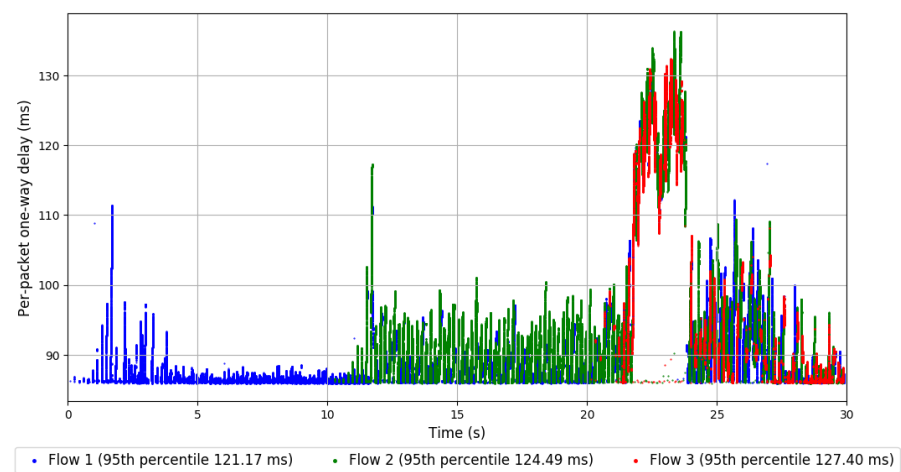
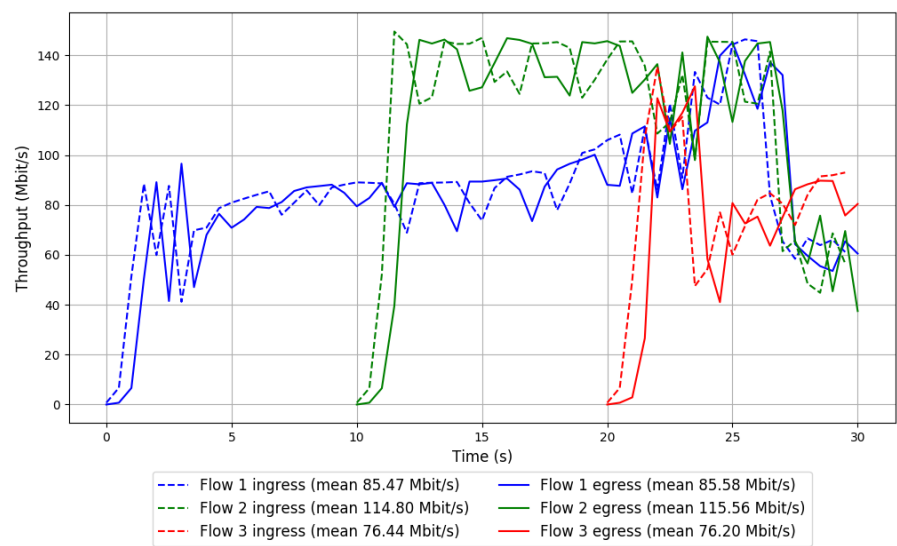


Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 19:49:44
End at: 2018-07-18 19:50:14
Local clock offset: -0.159 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-18 20:27:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.98 Mbit/s
95th percentile per-packet one-way delay: 123.478 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 121.173 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 115.56 Mbit/s
95th percentile per-packet one-way delay: 124.493 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 127.400 ms
Loss rate: 2.05%

Run 10: Report of TCP Cubic — Data Link

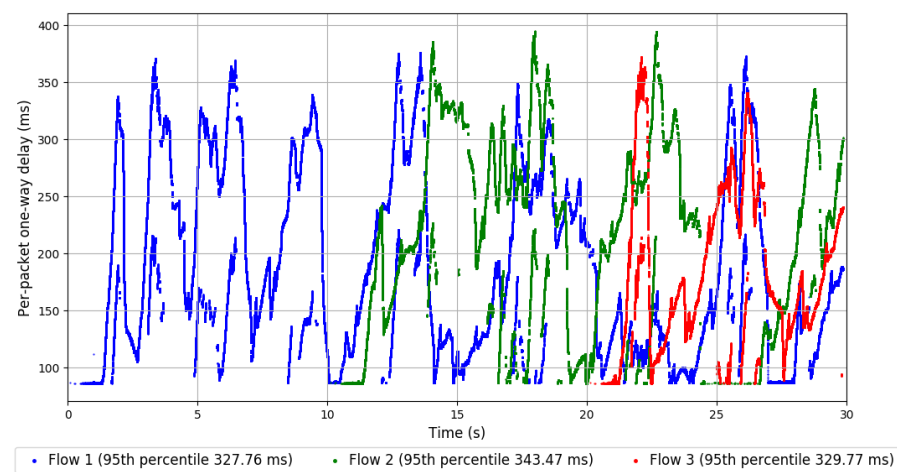
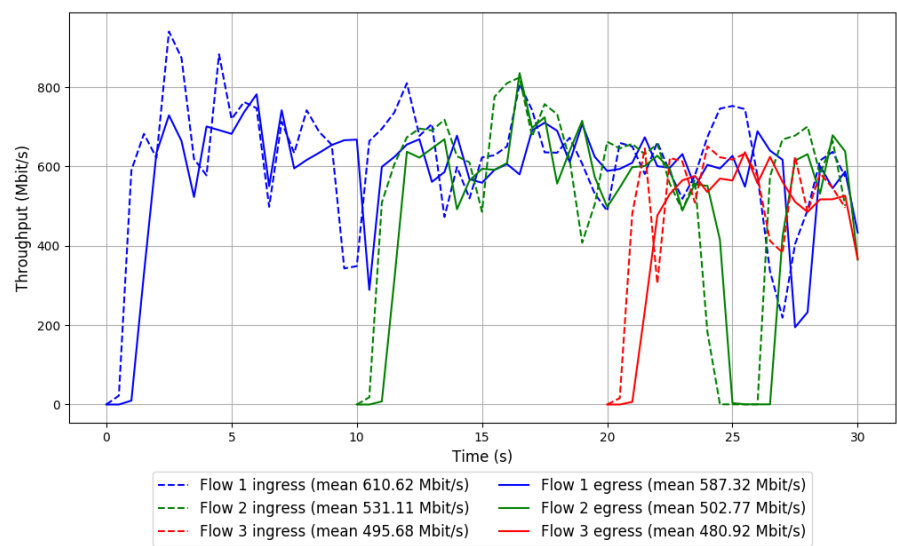


Run 1: Statistics of FillP

Start at: 2018-07-18 15:53:41
End at: 2018-07-18 15:54:11
Local clock offset: -0.127 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-18 20:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1078.01 Mbit/s
95th percentile per-packet one-way delay: 333.024 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 587.32 Mbit/s
95th percentile per-packet one-way delay: 327.759 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 502.77 Mbit/s
95th percentile per-packet one-way delay: 343.471 ms
Loss rate: 6.15%
-- Flow 3:
Average throughput: 480.92 Mbit/s
95th percentile per-packet one-way delay: 329.766 ms
Loss rate: 4.68%

Run 1: Report of FillP — Data Link

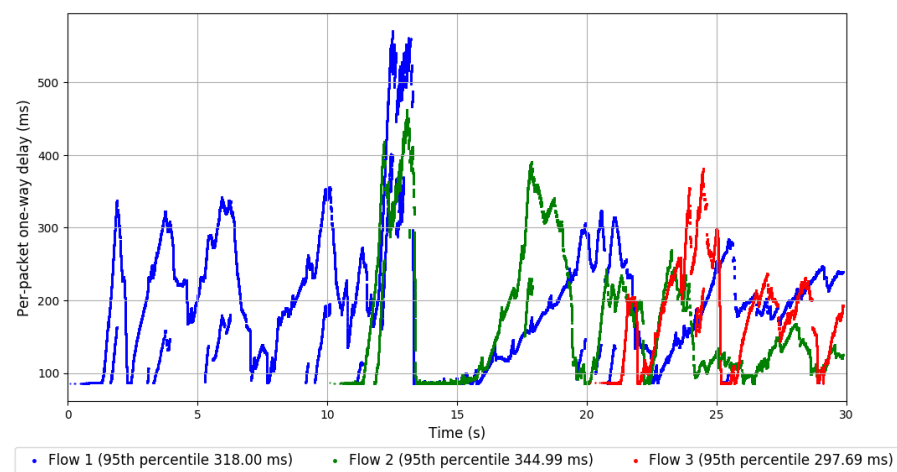
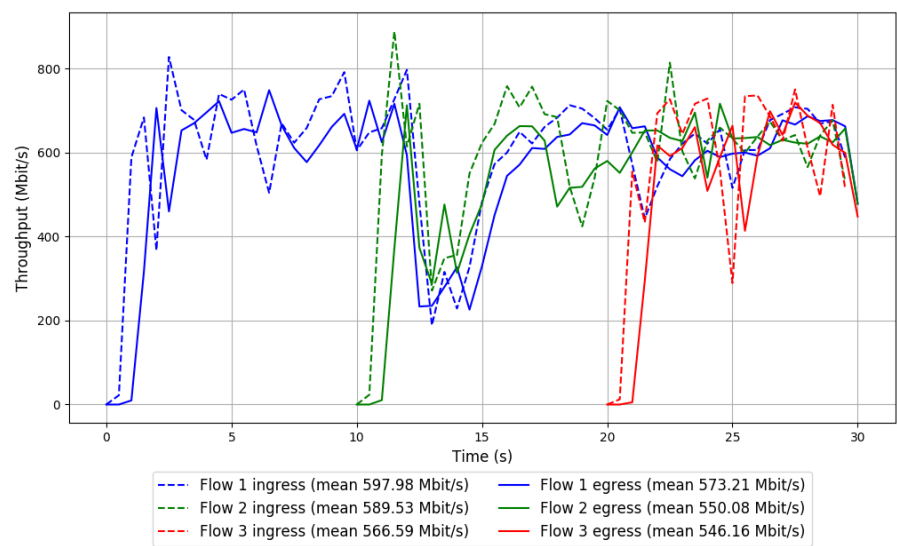


Run 2: Statistics of FillP

Start at: 2018-07-18 16:18:32
End at: 2018-07-18 16:19:02
Local clock offset: -0.225 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-18 20:50:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1117.12 Mbit/s
95th percentile per-packet one-way delay: 322.918 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 573.21 Mbit/s
95th percentile per-packet one-way delay: 318.000 ms
Loss rate: 4.70%
-- Flow 2:
Average throughput: 550.08 Mbit/s
95th percentile per-packet one-way delay: 344.994 ms
Loss rate: 7.50%
-- Flow 3:
Average throughput: 546.16 Mbit/s
95th percentile per-packet one-way delay: 297.689 ms
Loss rate: 5.30%

Run 2: Report of FillP — Data Link

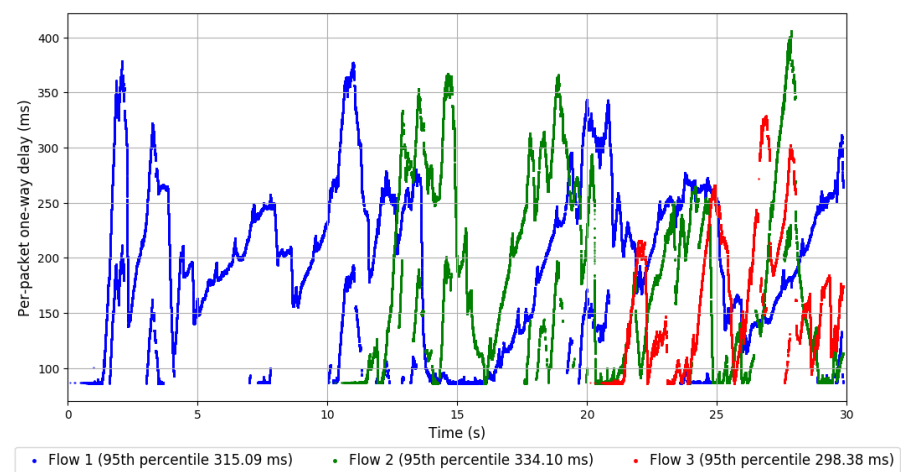
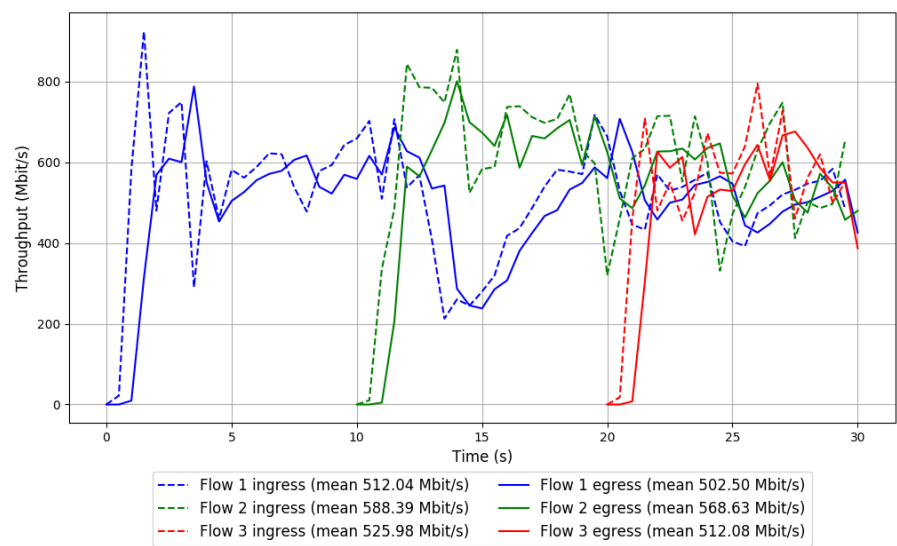


Run 3: Statistics of FillP

Start at: 2018-07-18 16:43:19
End at: 2018-07-18 16:43:49
Local clock offset: -0.061 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-18 20:50:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1047.50 Mbit/s
95th percentile per-packet one-way delay: 319.550 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 502.50 Mbit/s
95th percentile per-packet one-way delay: 315.086 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 568.63 Mbit/s
95th percentile per-packet one-way delay: 334.102 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 512.08 Mbit/s
95th percentile per-packet one-way delay: 298.382 ms
Loss rate: 4.36%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-18 17:08:10

End at: 2018-07-18 17:08:40

Local clock offset: -0.26 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-18 20:51:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1167.26 Mbit/s

95th percentile per-packet one-way delay: 298.011 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 626.88 Mbit/s

95th percentile per-packet one-way delay: 299.260 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 581.60 Mbit/s

95th percentile per-packet one-way delay: 297.748 ms

Loss rate: 1.57%

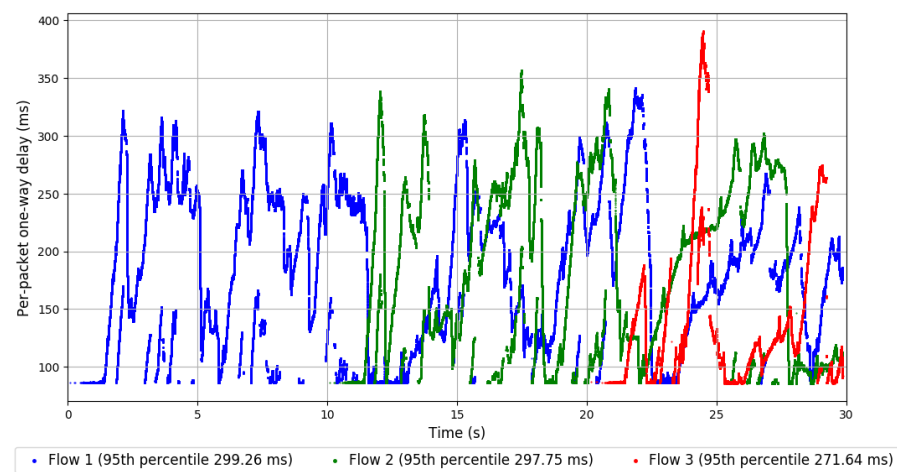
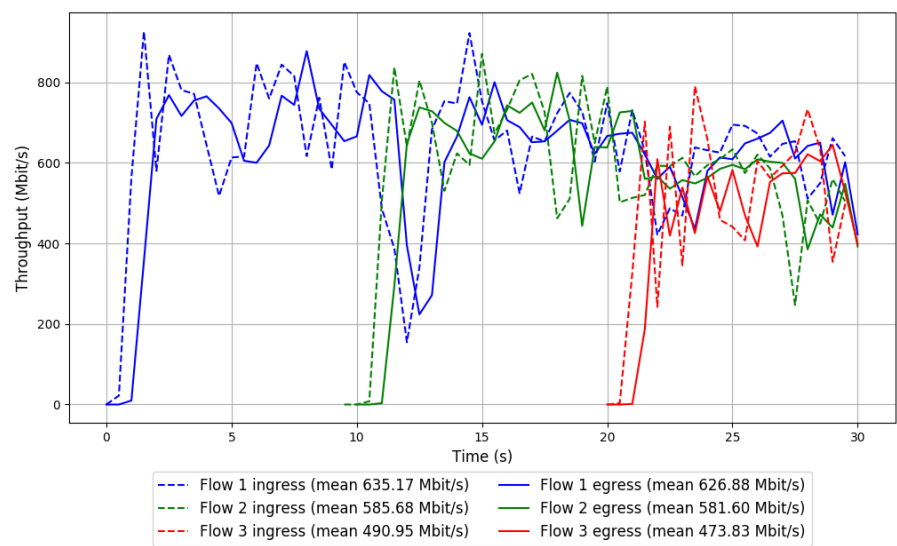
-- Flow 3:

Average throughput: 473.83 Mbit/s

95th percentile per-packet one-way delay: 271.639 ms

Loss rate: 5.20%

Run 4: Report of FillP — Data Link

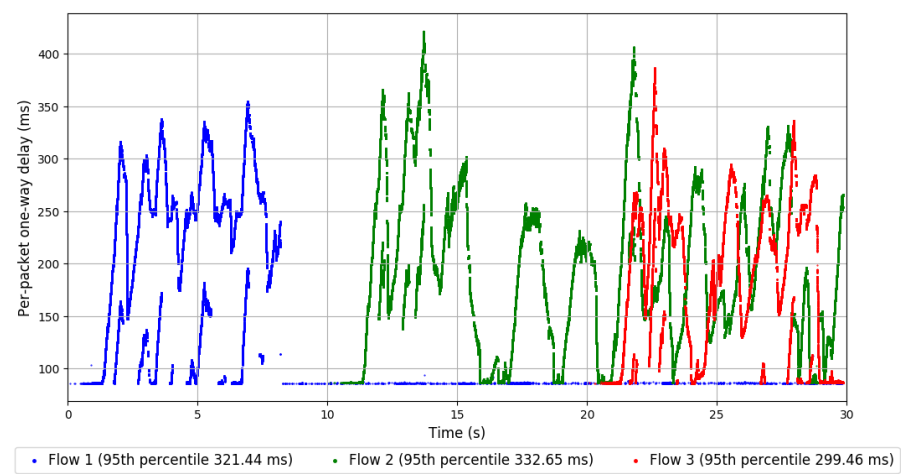
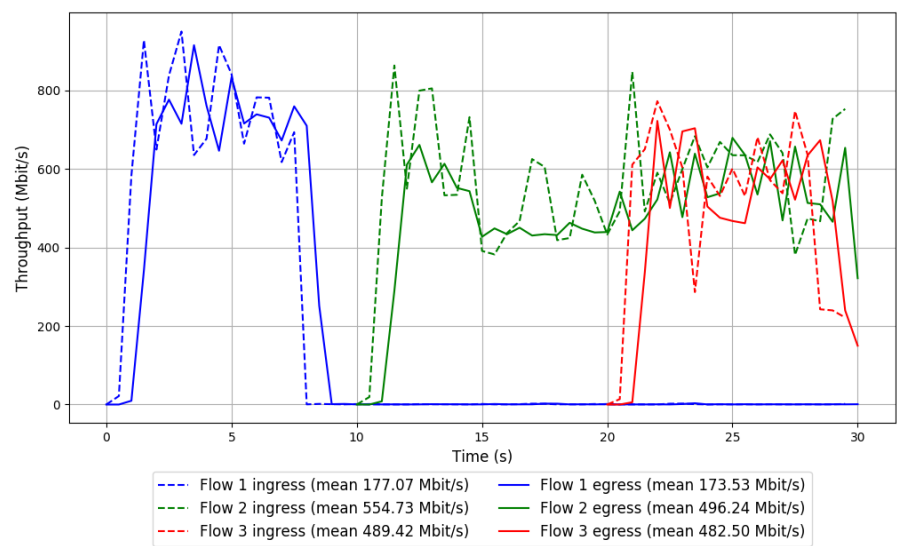


Run 5: Statistics of FillP

Start at: 2018-07-18 17:33:06
End at: 2018-07-18 17:33:36
Local clock offset: -0.137 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-18 20:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 661.08 Mbit/s
95th percentile per-packet one-way delay: 323.027 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 173.53 Mbit/s
95th percentile per-packet one-way delay: 321.436 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 496.24 Mbit/s
95th percentile per-packet one-way delay: 332.653 ms
Loss rate: 11.52%
-- Flow 3:
Average throughput: 482.50 Mbit/s
95th percentile per-packet one-way delay: 299.464 ms
Loss rate: 3.57%

Run 5: Report of FillP — Data Link

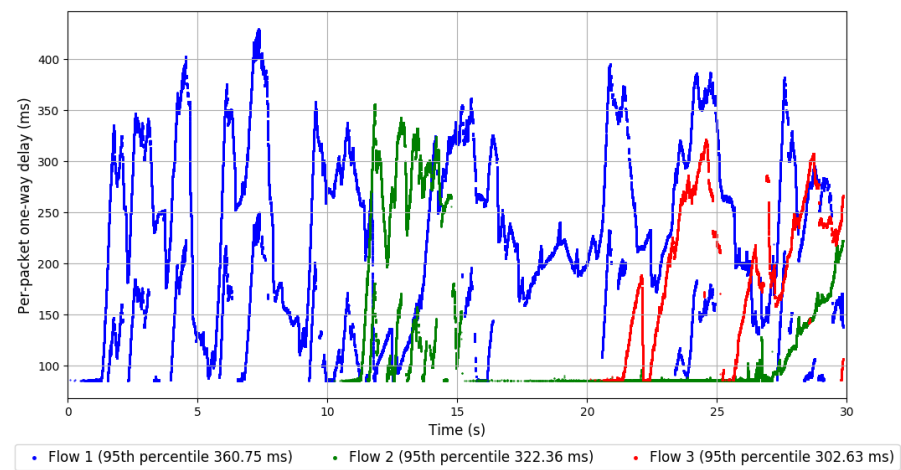
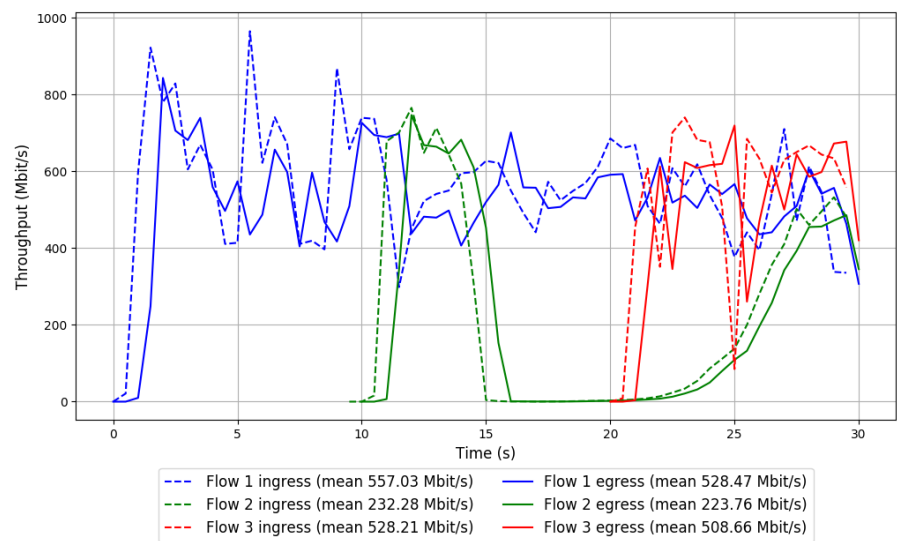


Run 6: Statistics of FillP

Start at: 2018-07-18 17:57:41
End at: 2018-07-18 17:58:11
Local clock offset: -0.312 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-18 20:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.40 Mbit/s
95th percentile per-packet one-way delay: 349.324 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 528.47 Mbit/s
95th percentile per-packet one-way delay: 360.754 ms
Loss rate: 5.68%
-- Flow 2:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 322.364 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 508.66 Mbit/s
95th percentile per-packet one-way delay: 302.634 ms
Loss rate: 5.40%

Run 6: Report of FillP — Data Link

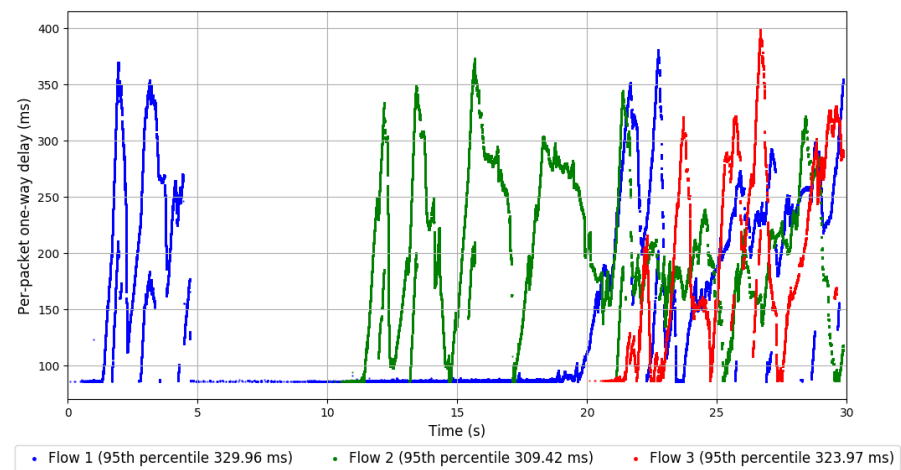
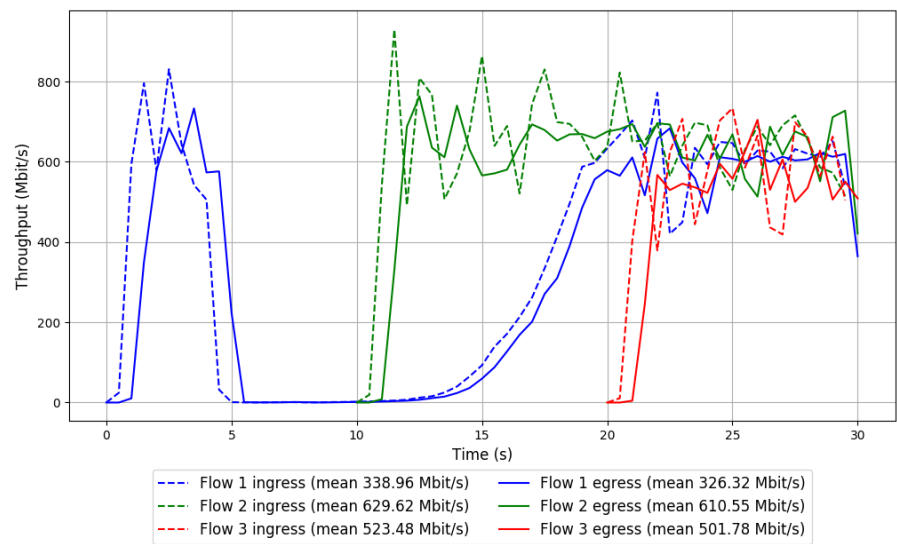


Run 7: Statistics of FillP

Start at: 2018-07-18 18:22:26
End at: 2018-07-18 18:22:56
Local clock offset: 0.143 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-18 20:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 896.20 Mbit/s
95th percentile per-packet one-way delay: 321.780 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 326.32 Mbit/s
95th percentile per-packet one-way delay: 329.957 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 610.55 Mbit/s
95th percentile per-packet one-way delay: 309.420 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 501.78 Mbit/s
95th percentile per-packet one-way delay: 323.971 ms
Loss rate: 5.84%

Run 7: Report of FillP — Data Link

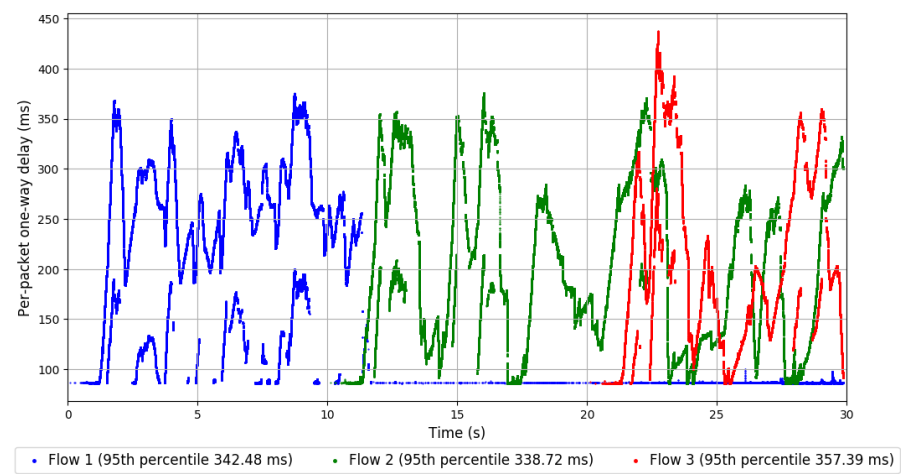
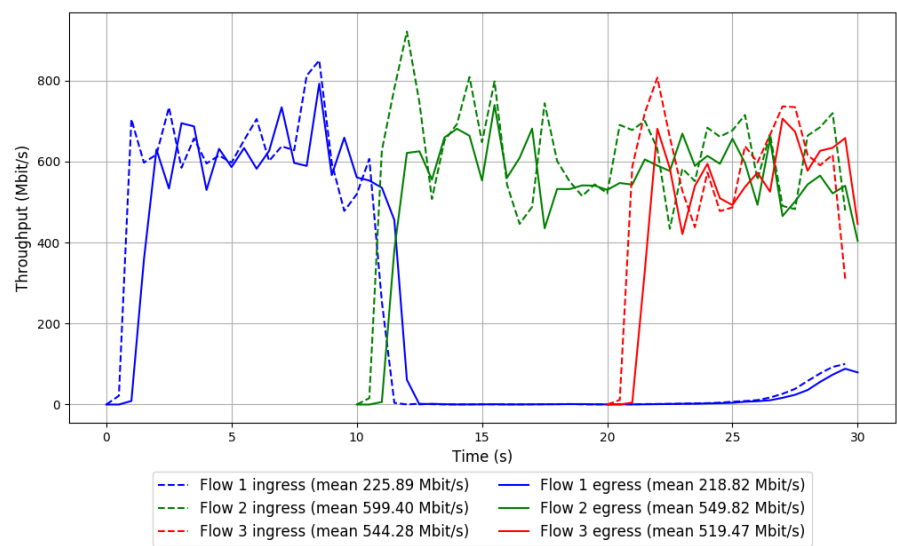


Run 8: Statistics of FillP

Start at: 2018-07-18 18:47:16
End at: 2018-07-18 18:47:46
Local clock offset: -0.136 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-18 20:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 753.29 Mbit/s
95th percentile per-packet one-way delay: 345.038 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 218.82 Mbit/s
95th percentile per-packet one-way delay: 342.478 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 549.82 Mbit/s
95th percentile per-packet one-way delay: 338.720 ms
Loss rate: 9.12%
-- Flow 3:
Average throughput: 519.47 Mbit/s
95th percentile per-packet one-way delay: 357.392 ms
Loss rate: 6.33%

Run 8: Report of FillP — Data Link

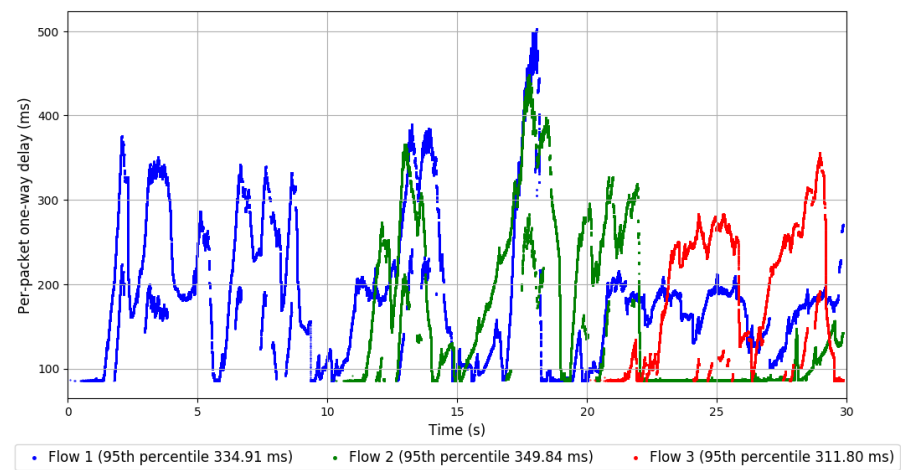
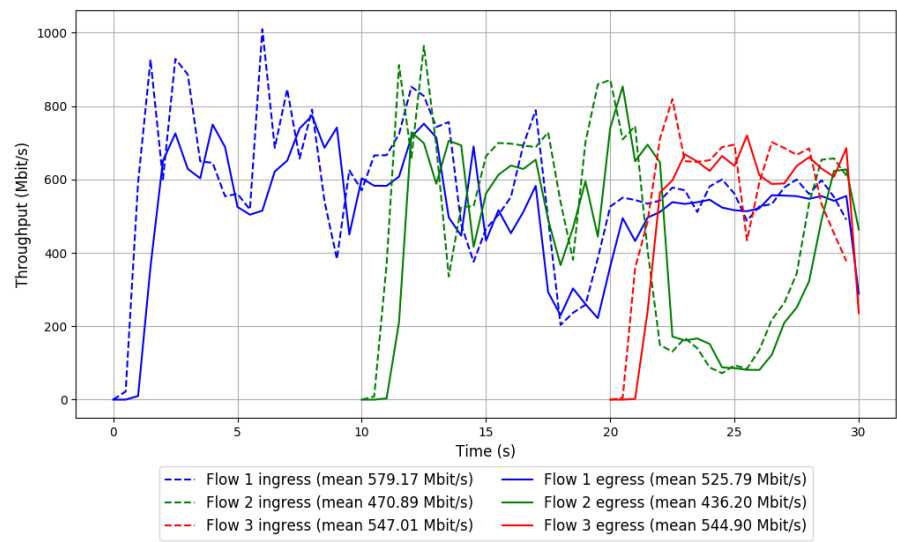


Run 9: Statistics of FillP

Start at: 2018-07-18 19:11:57
End at: 2018-07-18 19:12:27
Local clock offset: -0.322 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-18 21:04:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 992.60 Mbit/s
95th percentile per-packet one-way delay: 334.388 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 525.79 Mbit/s
95th percentile per-packet one-way delay: 334.908 ms
Loss rate: 9.74%
-- Flow 2:
Average throughput: 436.20 Mbit/s
95th percentile per-packet one-way delay: 349.838 ms
Loss rate: 8.18%
-- Flow 3:
Average throughput: 544.90 Mbit/s
95th percentile per-packet one-way delay: 311.799 ms
Loss rate: 2.14%

Run 9: Report of FillP — Data Link

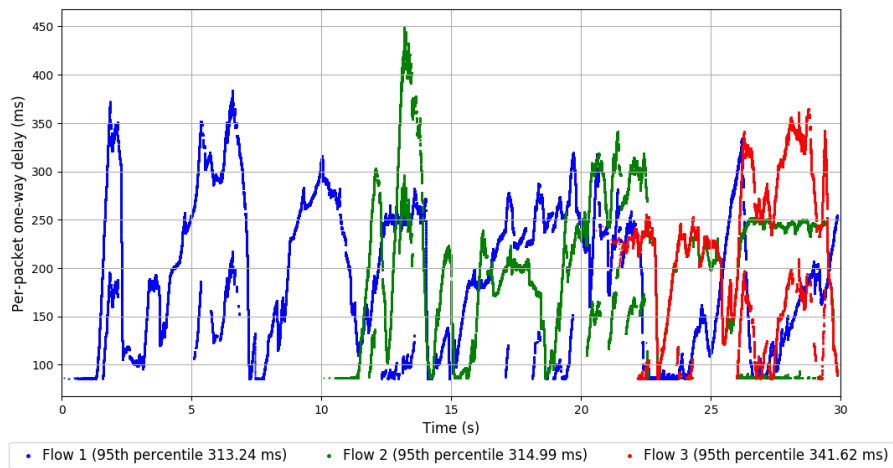
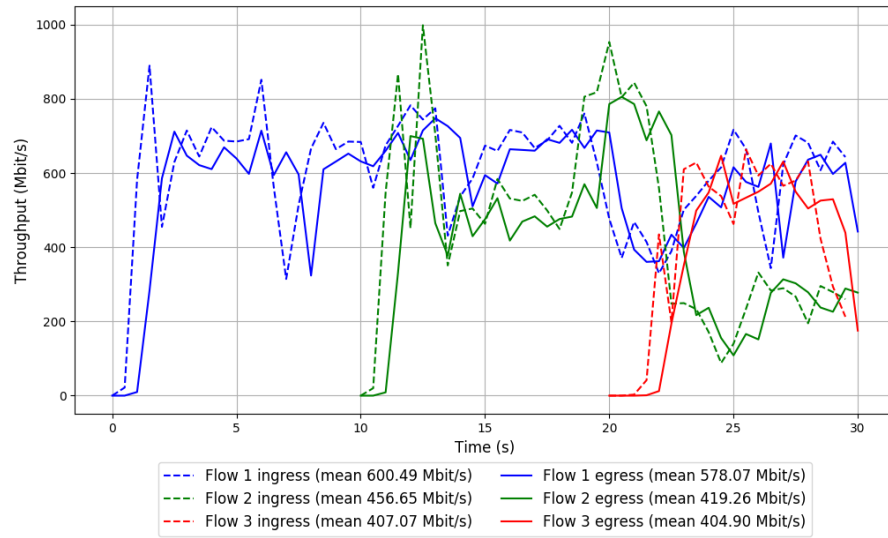


Run 10: Statistics of FillP

Start at: 2018-07-18 19:36:58
End at: 2018-07-18 19:37:28
Local clock offset: -0.396 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-18 21:06:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 986.89 Mbit/s
95th percentile per-packet one-way delay: 321.058 ms
Loss rate: 5.57%
-- Flow 1:
Average throughput: 578.07 Mbit/s
95th percentile per-packet one-way delay: 313.236 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 419.26 Mbit/s
95th percentile per-packet one-way delay: 314.985 ms
Loss rate: 8.98%
-- Flow 3:
Average throughput: 404.90 Mbit/s
95th percentile per-packet one-way delay: 341.619 ms
Loss rate: 3.59%

Run 10: Report of FillP — Data Link

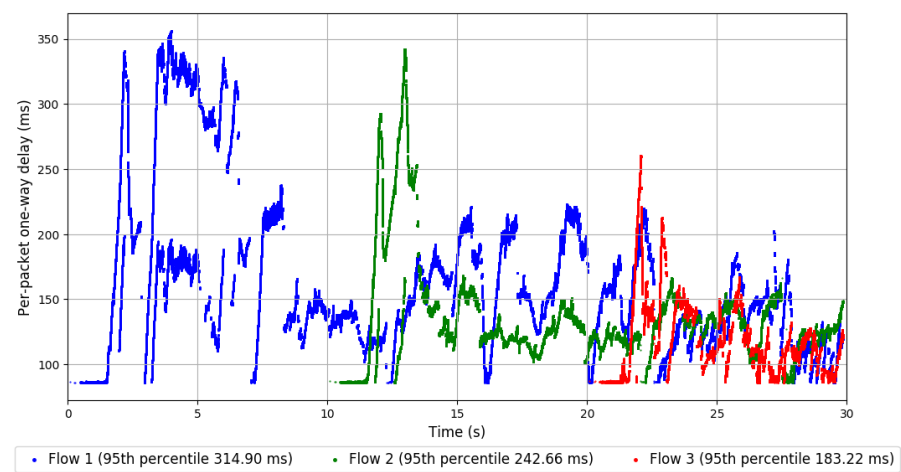
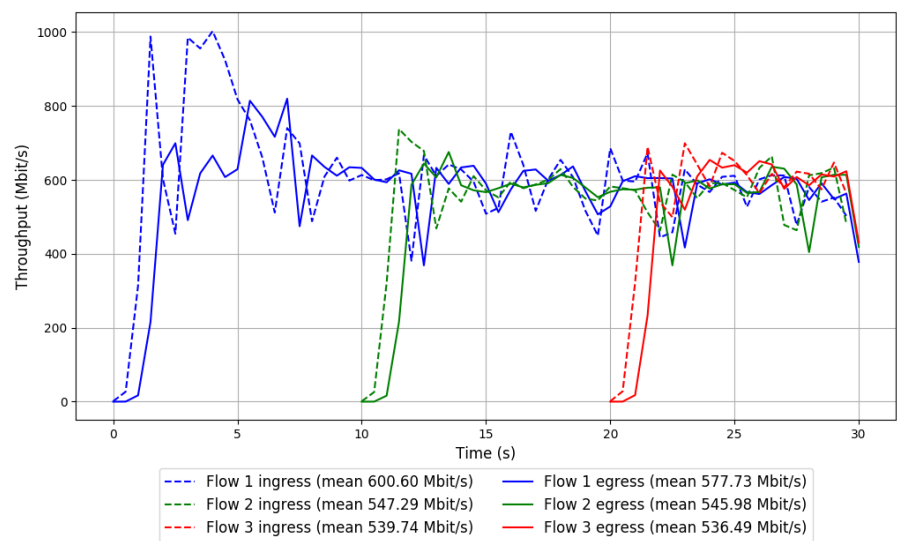


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 15:51:39
End at: 2018-07-18 15:52:09
Local clock offset: -0.183 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-18 21:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1115.95 Mbit/s
95th percentile per-packet one-way delay: 287.057 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 577.73 Mbit/s
95th percentile per-packet one-way delay: 314.898 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 545.98 Mbit/s
95th percentile per-packet one-way delay: 242.665 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 536.49 Mbit/s
95th percentile per-packet one-way delay: 183.217 ms
Loss rate: 2.35%

Run 1: Report of FillP-Sheep — Data Link

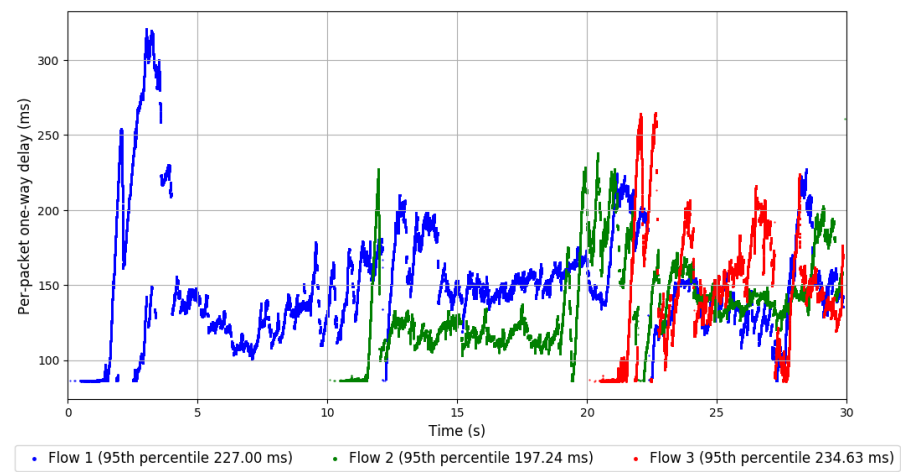
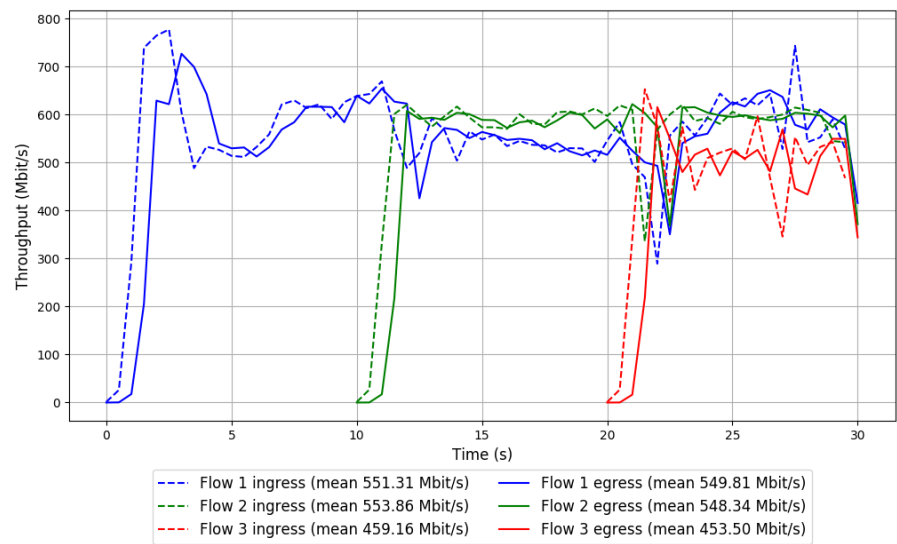


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 16:16:32
End at: 2018-07-18 16:17:02
Local clock offset: -0.276 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-18 21:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1061.39 Mbit/s
95th percentile per-packet one-way delay: 217.538 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 549.81 Mbit/s
95th percentile per-packet one-way delay: 227.000 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 548.34 Mbit/s
95th percentile per-packet one-way delay: 197.236 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 453.50 Mbit/s
95th percentile per-packet one-way delay: 234.633 ms
Loss rate: 2.81%

Run 2: Report of FillP-Sheep — Data Link

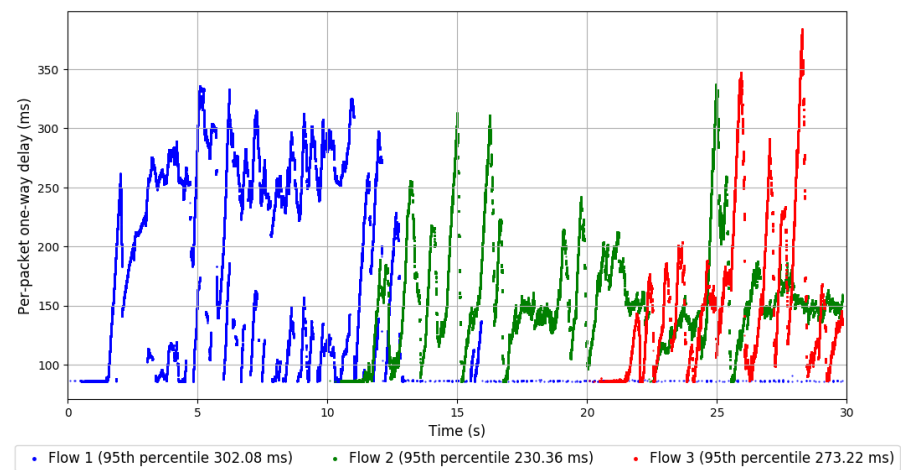
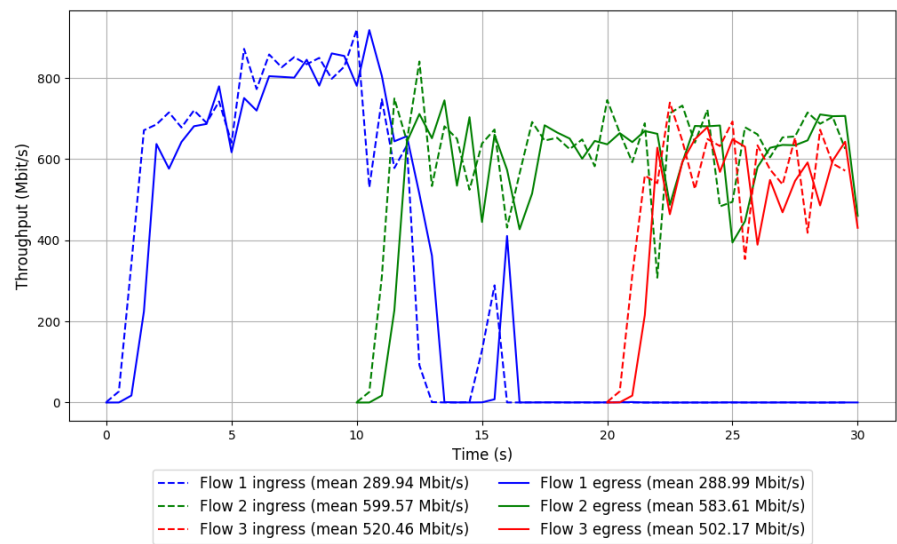


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 16:41:28
End at: 2018-07-18 16:41:58
Local clock offset: -0.236 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-18 21:12:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 840.69 Mbit/s
95th percentile per-packet one-way delay: 290.021 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 288.99 Mbit/s
95th percentile per-packet one-way delay: 302.081 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 583.61 Mbit/s
95th percentile per-packet one-way delay: 230.357 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 502.17 Mbit/s
95th percentile per-packet one-way delay: 273.218 ms
Loss rate: 5.21%

Run 3: Report of FillP-Sheep — Data Link

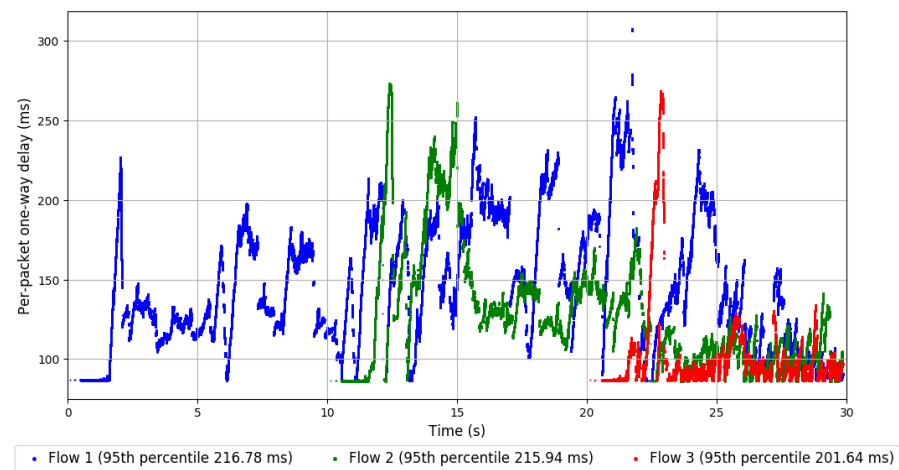
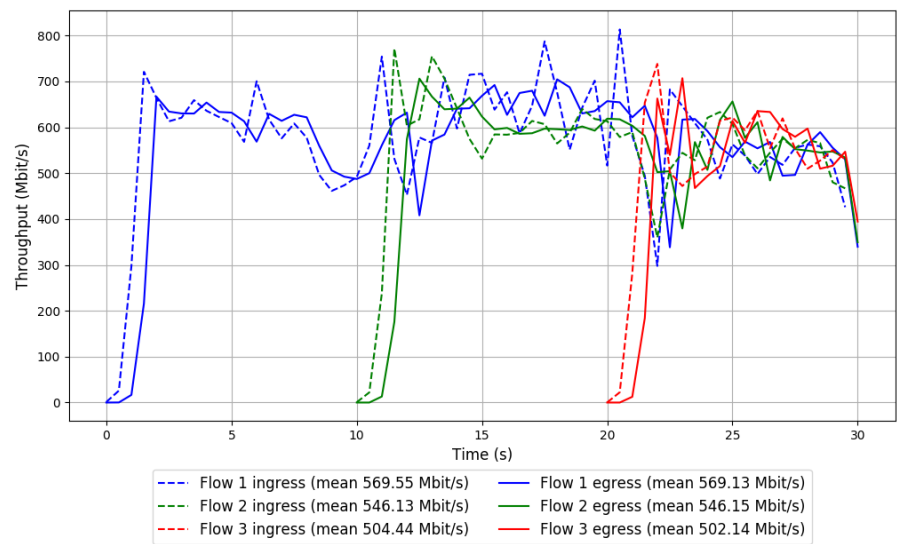


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 17:06:08
End at: 2018-07-18 17:06:38
Local clock offset: -0.009 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2018-07-18 21:14:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1094.97 Mbit/s
95th percentile per-packet one-way delay: 214.762 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 569.13 Mbit/s
95th percentile per-packet one-way delay: 216.780 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 546.15 Mbit/s
95th percentile per-packet one-way delay: 215.943 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 502.14 Mbit/s
95th percentile per-packet one-way delay: 201.640 ms
Loss rate: 2.20%
```

Run 4: Report of FillP-Sheep — Data Link

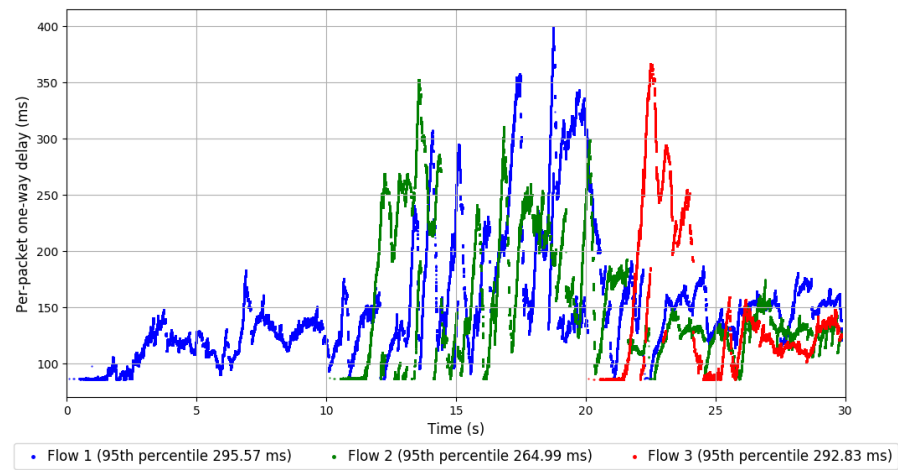
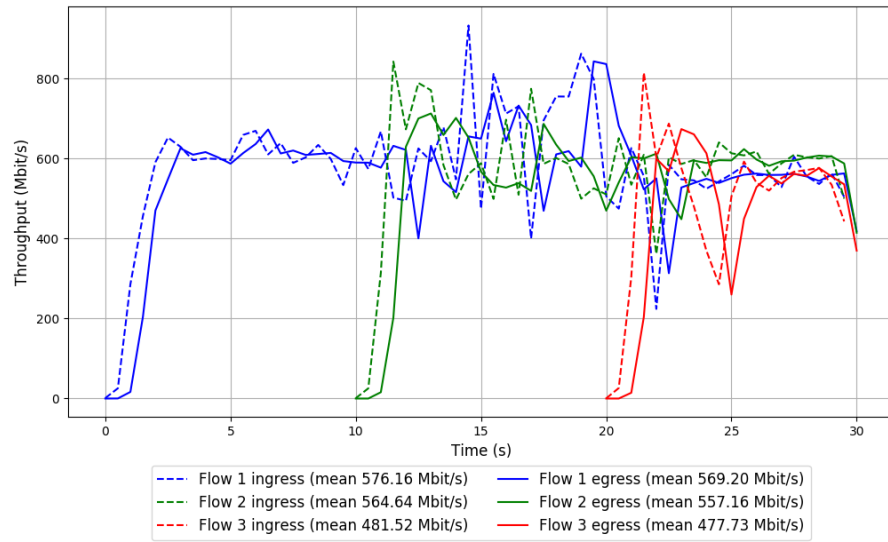


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 17:31:04
End at: 2018-07-18 17:31:34
Local clock offset: 0.086 ms
Remote clock offset: -0.114 ms

```
# Below is generated by plot.py at 2018-07-18 21:16:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1094.94 Mbit/s
95th percentile per-packet one-way delay: 283.756 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 569.20 Mbit/s
95th percentile per-packet one-way delay: 295.568 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 557.16 Mbit/s
95th percentile per-packet one-way delay: 264.994 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 477.73 Mbit/s
95th percentile per-packet one-way delay: 292.830 ms
Loss rate: 2.52%
```


Run 5: Report of FillP-Sheep — Data Link

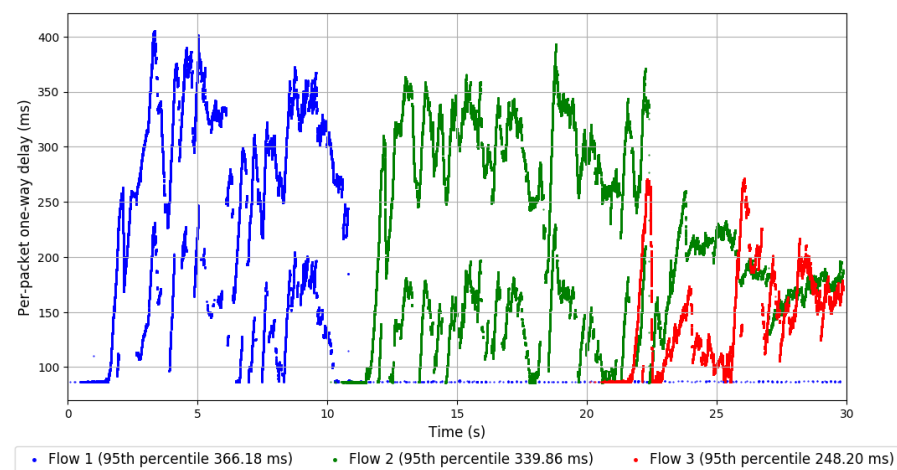
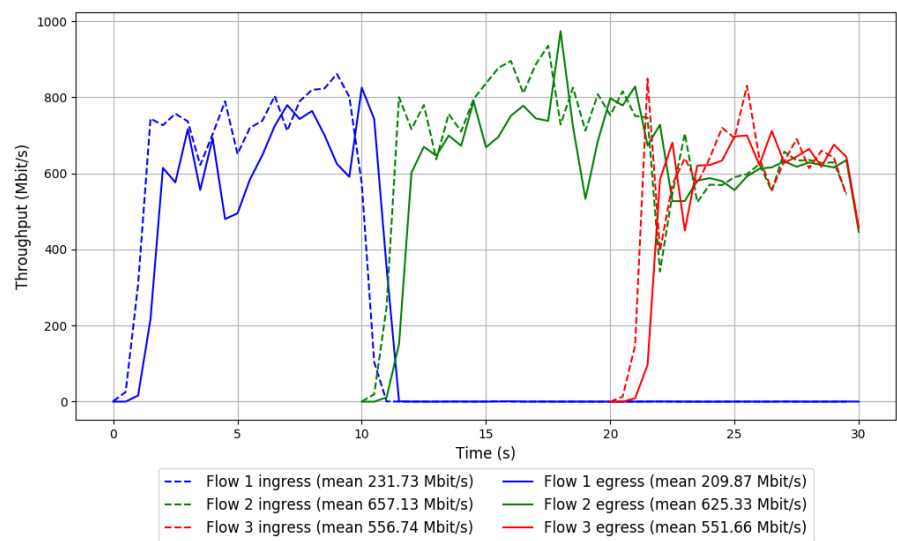


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 17:55:49
End at: 2018-07-18 17:56:19
Local clock offset: 0.053 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-18 21:16:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 804.40 Mbit/s
95th percentile per-packet one-way delay: 343.306 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 366.182 ms
Loss rate: 9.88%
-- Flow 2:
Average throughput: 625.33 Mbit/s
95th percentile per-packet one-way delay: 339.859 ms
Loss rate: 5.66%
-- Flow 3:
Average throughput: 551.66 Mbit/s
95th percentile per-packet one-way delay: 248.204 ms
Loss rate: 2.65%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 18:20:22

End at: 2018-07-18 18:20:52

Local clock offset: -0.098 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-18 21:34:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1143.71 Mbit/s

95th percentile per-packet one-way delay: 215.162 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 601.36 Mbit/s

95th percentile per-packet one-way delay: 189.549 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 573.90 Mbit/s

95th percentile per-packet one-way delay: 304.579 ms

Loss rate: 1.31%

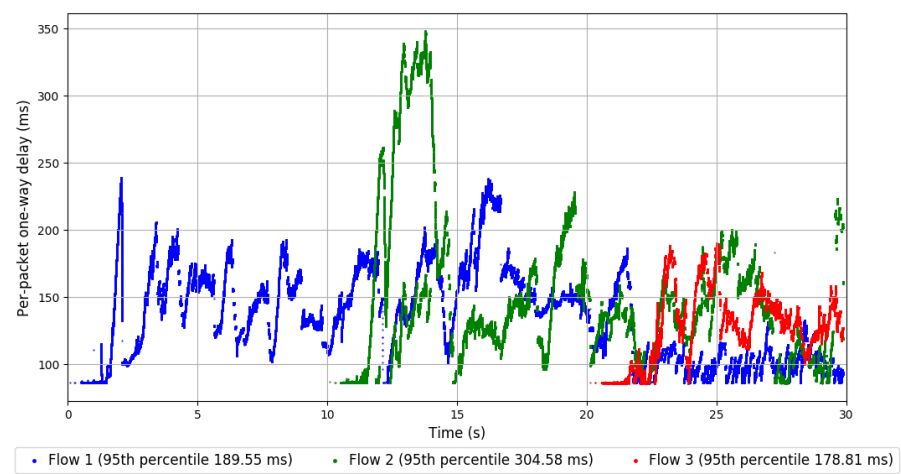
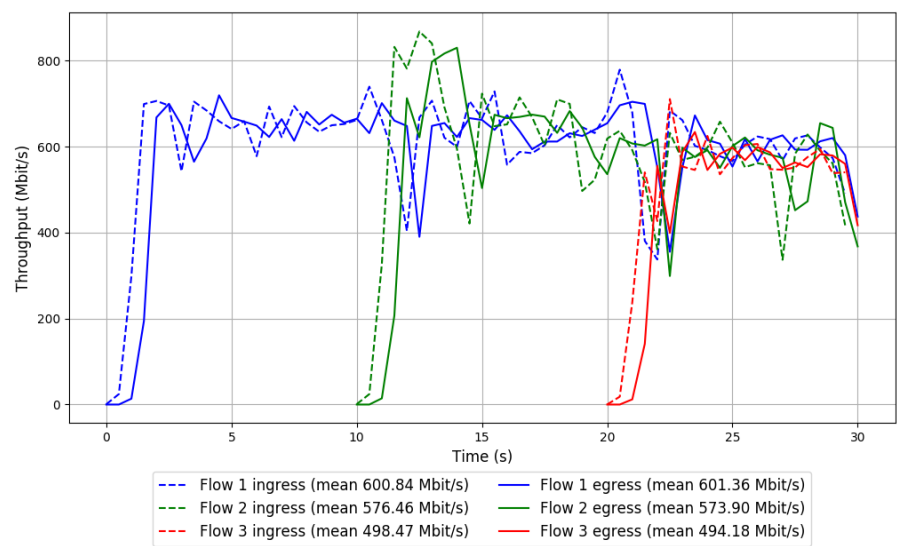
-- Flow 3:

Average throughput: 494.18 Mbit/s

95th percentile per-packet one-way delay: 178.815 ms

Loss rate: 2.60%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 18:45:11

End at: 2018-07-18 18:45:41

Local clock offset: -0.148 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-18 21:35:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1101.79 Mbit/s

95th percentile per-packet one-way delay: 339.858 ms

Loss rate: 6.29%

-- Flow 1:

Average throughput: 567.45 Mbit/s

95th percentile per-packet one-way delay: 346.521 ms

Loss rate: 8.39%

-- Flow 2:

Average throughput: 556.61 Mbit/s

95th percentile per-packet one-way delay: 336.784 ms

Loss rate: 4.62%

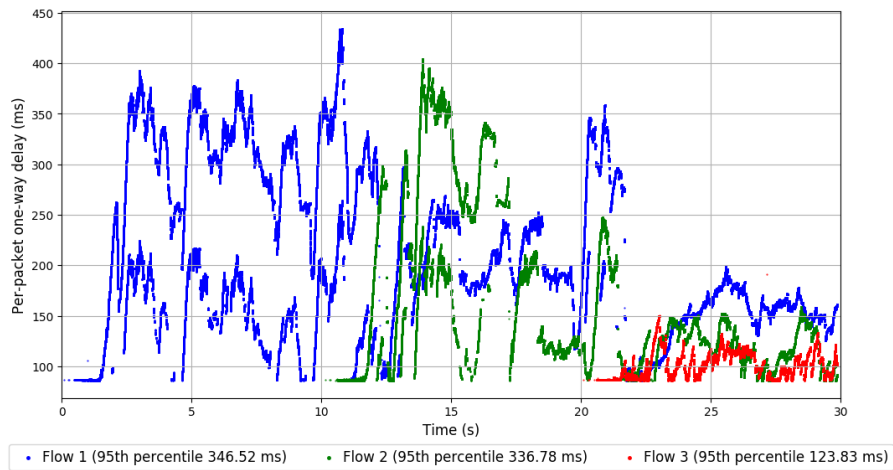
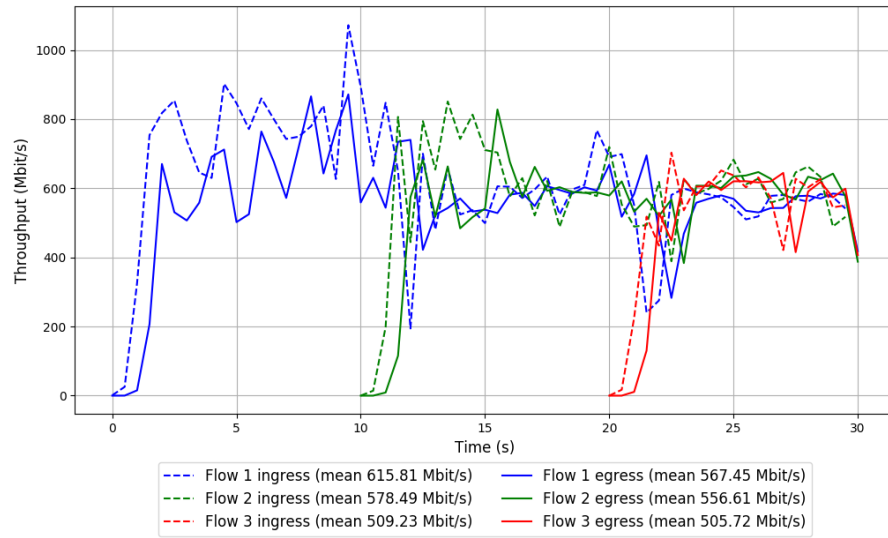
-- Flow 3:

Average throughput: 505.72 Mbit/s

95th percentile per-packet one-way delay: 123.828 ms

Loss rate: 2.43%

Run 8: Report of FillP-Sheep — Data Link

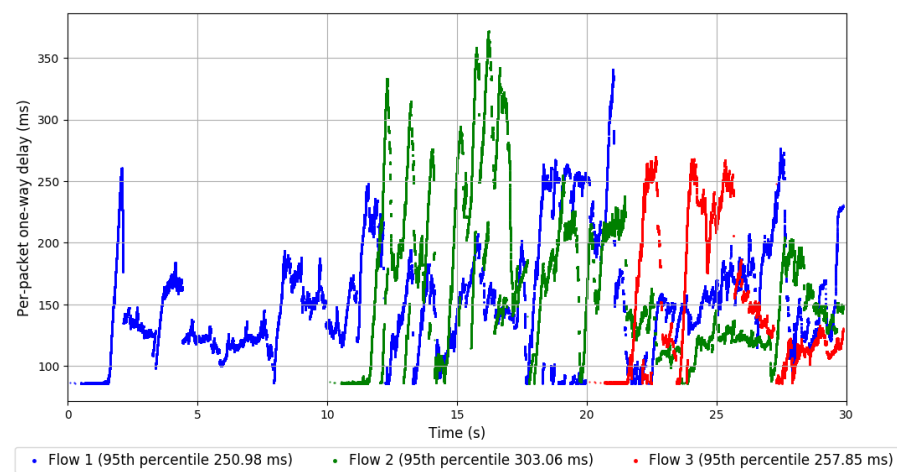
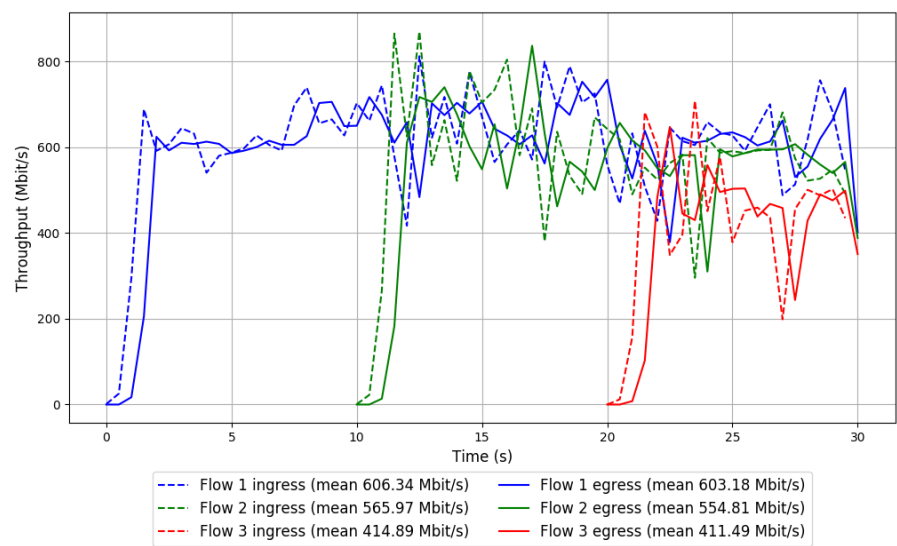


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 19:09:53
End at: 2018-07-18 19:10:23
Local clock offset: -0.087 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-18 21:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1106.30 Mbit/s
95th percentile per-packet one-way delay: 261.383 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 603.18 Mbit/s
95th percentile per-packet one-way delay: 250.981 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 554.81 Mbit/s
95th percentile per-packet one-way delay: 303.061 ms
Loss rate: 2.82%
-- Flow 3:
Average throughput: 411.49 Mbit/s
95th percentile per-packet one-way delay: 257.847 ms
Loss rate: 2.54%

Run 9: Report of FillP-Sheep — Data Link

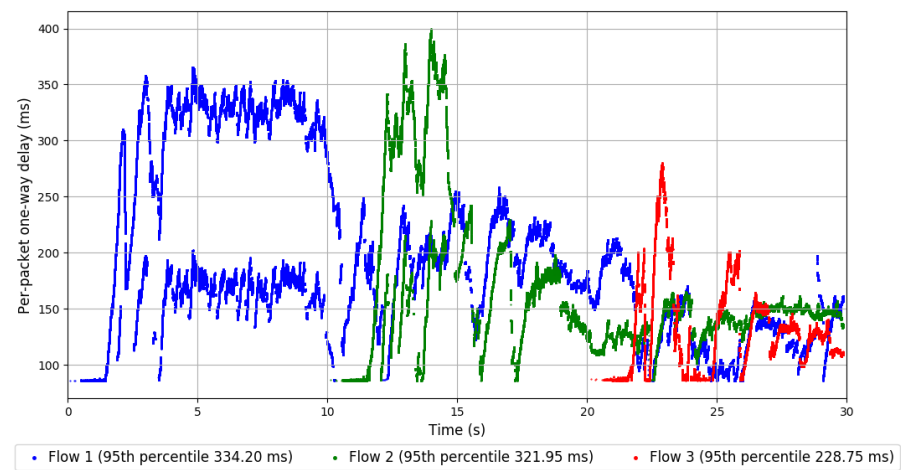
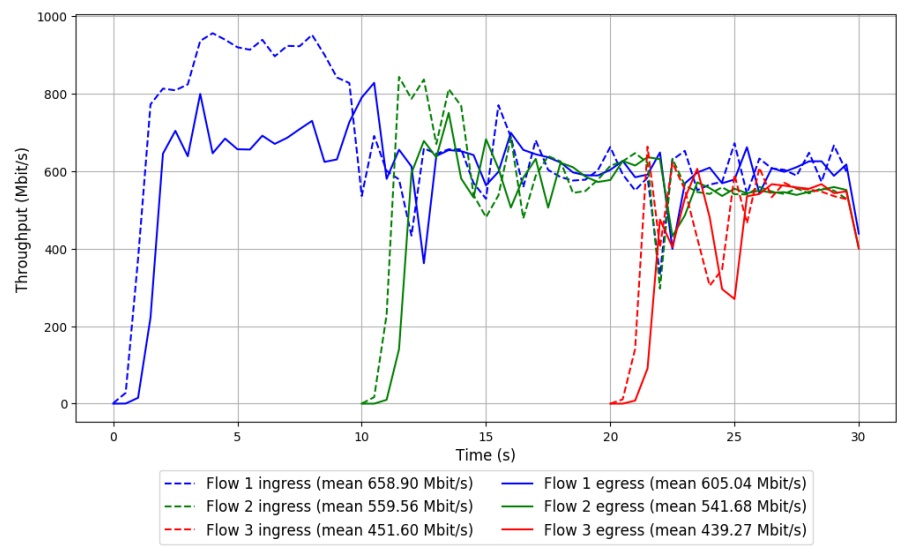


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 19:34:52
End at: 2018-07-18 19:35:22
Local clock offset: -0.426 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1107.37 Mbit/s
95th percentile per-packet one-way delay: 330.424 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 605.04 Mbit/s
95th percentile per-packet one-way delay: 334.199 ms
Loss rate: 8.79%
-- Flow 2:
Average throughput: 541.68 Mbit/s
95th percentile per-packet one-way delay: 321.953 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 439.27 Mbit/s
95th percentile per-packet one-way delay: 228.750 ms
Loss rate: 4.71%

Run 10: Report of FillP-Sheep — Data Link

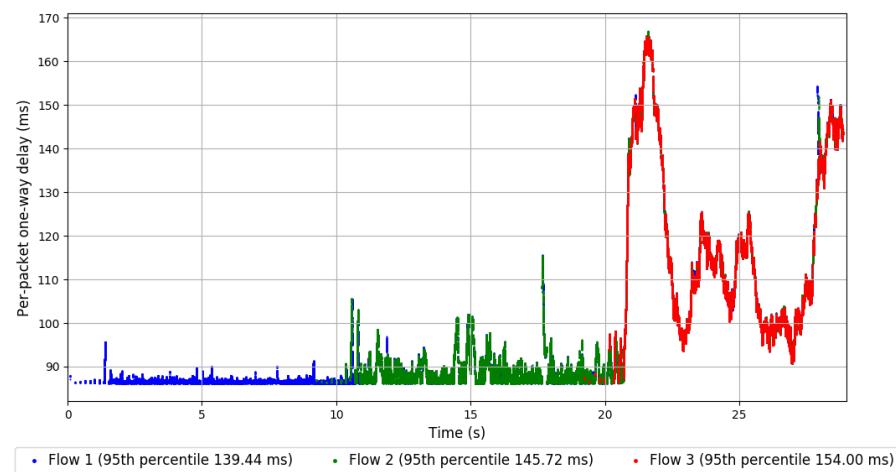
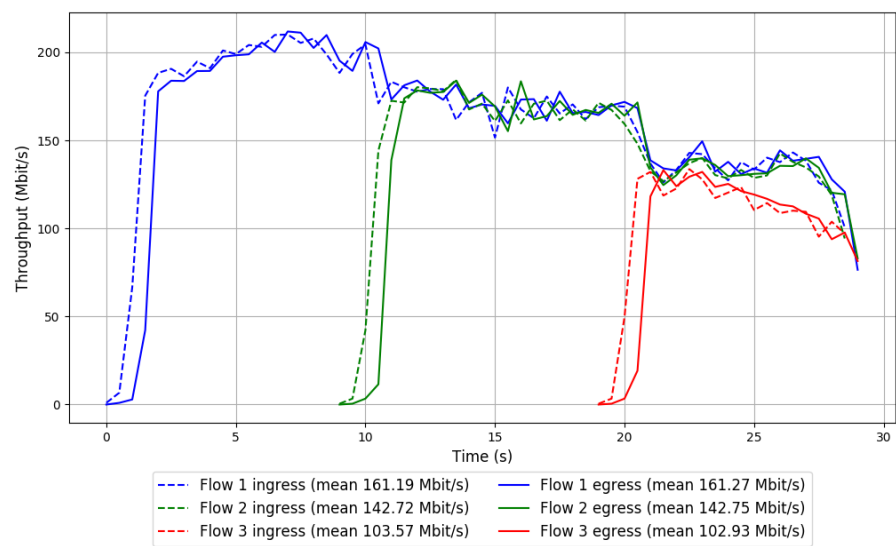


Run 1: Statistics of Indigo

Start at: 2018-07-18 16:09:04
End at: 2018-07-18 16:09:34
Local clock offset: -0.062 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.91 Mbit/s
95th percentile per-packet one-way delay: 145.816 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 139.435 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 142.75 Mbit/s
95th percentile per-packet one-way delay: 145.721 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 102.93 Mbit/s
95th percentile per-packet one-way delay: 153.998 ms
Loss rate: 2.37%

Run 1: Report of Indigo — Data Link

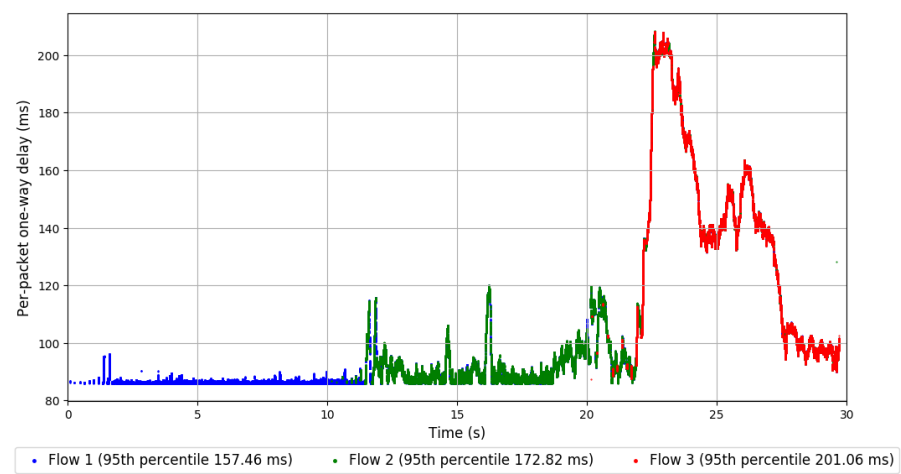
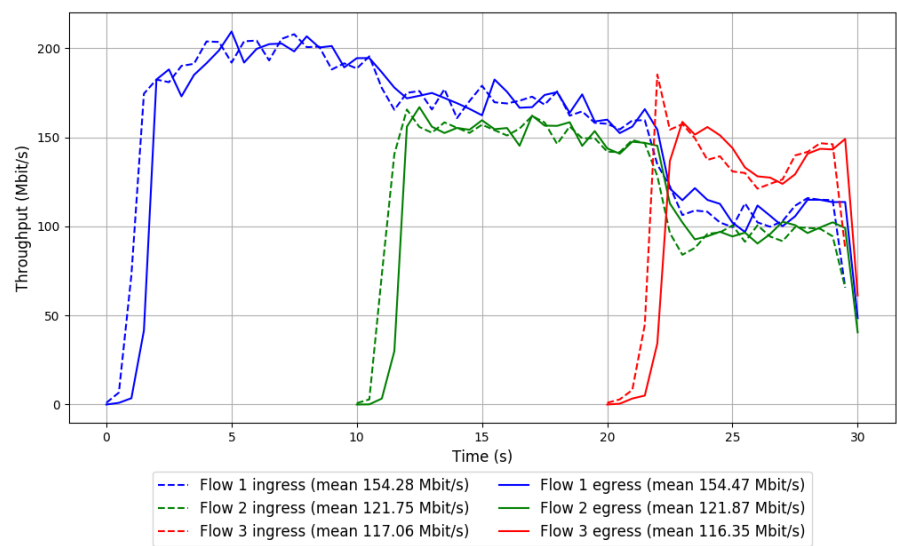


Run 2: Statistics of Indigo

Start at: 2018-07-18 16:34:03
End at: 2018-07-18 16:34:33
Local clock offset: -0.103 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.36 Mbit/s
95th percentile per-packet one-way delay: 183.876 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 154.47 Mbit/s
95th percentile per-packet one-way delay: 157.464 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 121.87 Mbit/s
95th percentile per-packet one-way delay: 172.822 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 116.35 Mbit/s
95th percentile per-packet one-way delay: 201.057 ms
Loss rate: 2.38%

Run 2: Report of Indigo — Data Link

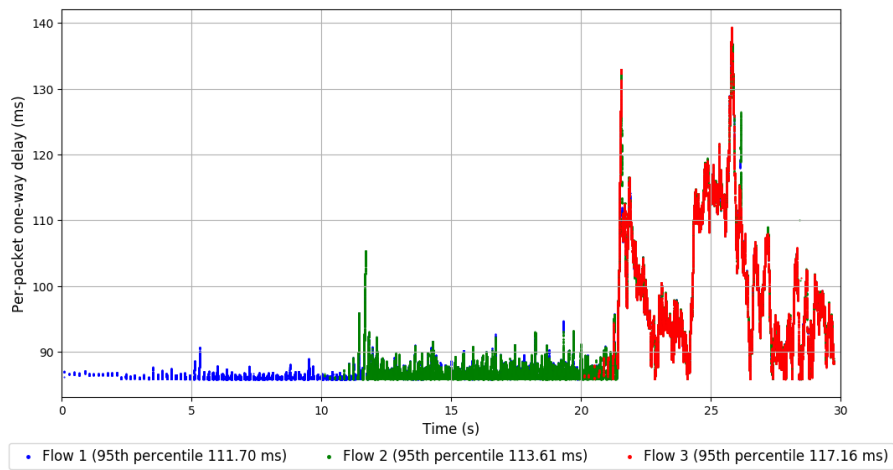
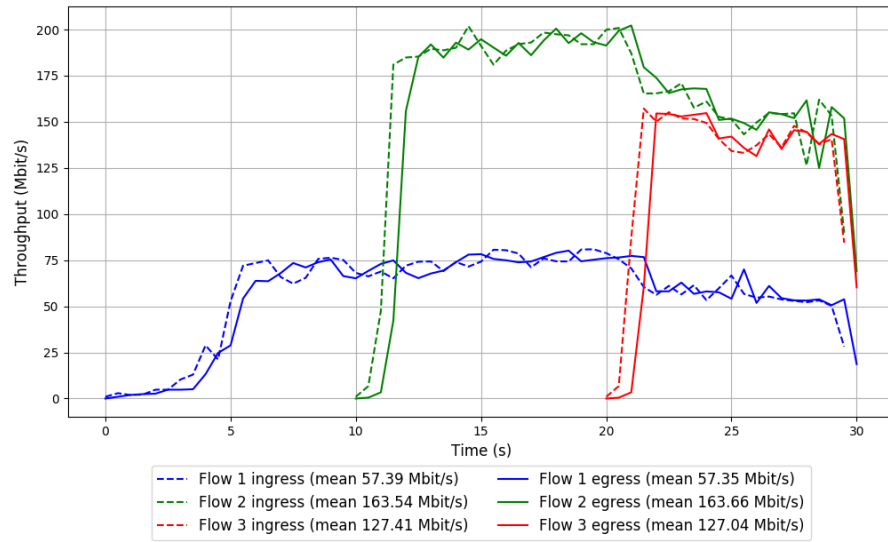


Run 3: Statistics of Indigo

Start at: 2018-07-18 16:58:51
End at: 2018-07-18 16:59:21
Local clock offset: -0.208 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.72 Mbit/s
95th percentile per-packet one-way delay: 114.260 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 111.698 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 113.608 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 127.04 Mbit/s
95th percentile per-packet one-way delay: 117.157 ms
Loss rate: 2.07%

Run 3: Report of Indigo — Data Link

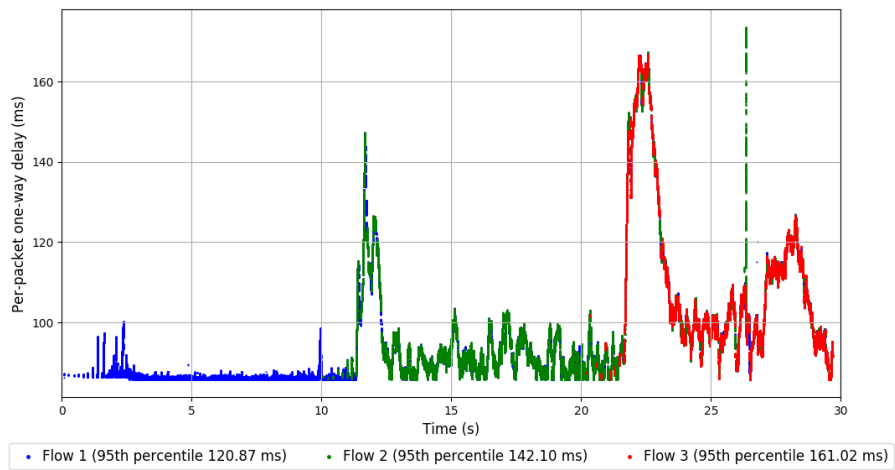
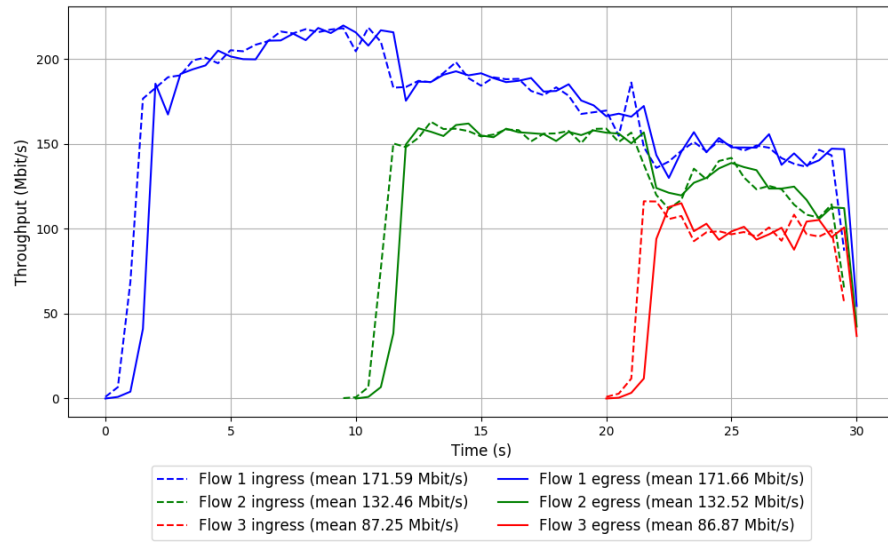


Run 4: Statistics of Indigo

Start at: 2018-07-18 17:23:41
End at: 2018-07-18 17:24:11
Local clock offset: -0.06 ms
Remote clock offset: -0.095 ms

```
# Below is generated by plot.py at 2018-07-18 21:38:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.42 Mbit/s
95th percentile per-packet one-way delay: 137.923 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 171.66 Mbit/s
95th percentile per-packet one-way delay: 120.870 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 132.52 Mbit/s
95th percentile per-packet one-way delay: 142.098 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 161.016 ms
Loss rate: 2.21%
```

Run 4: Report of Indigo — Data Link

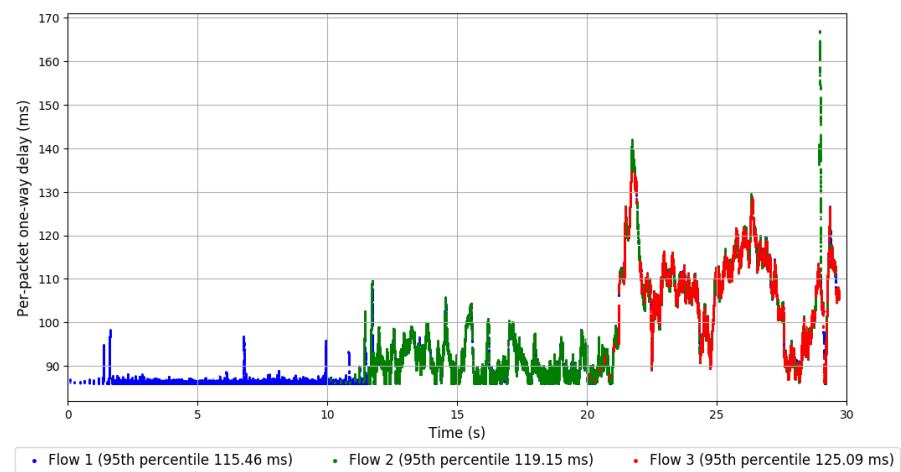
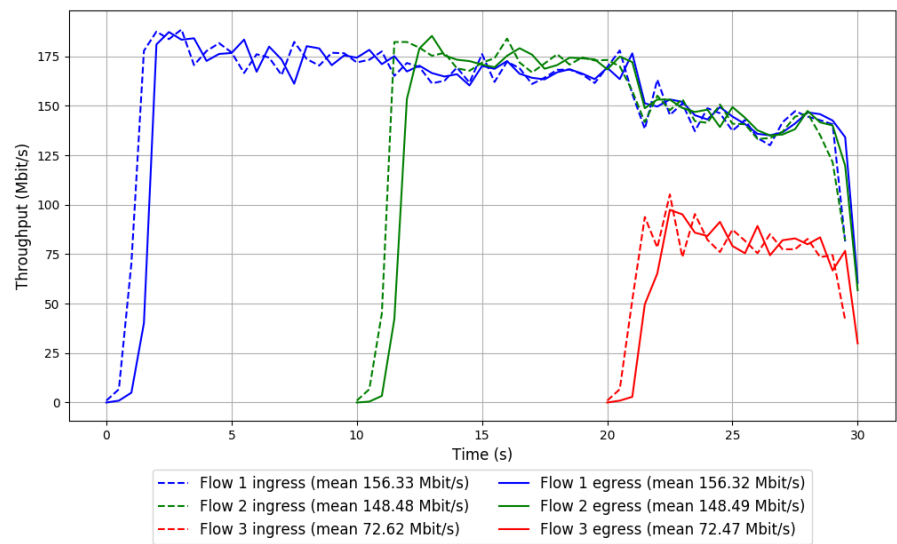


Run 5: Statistics of Indigo

Start at: 2018-07-18 17:48:22
End at: 2018-07-18 17:48:52
Local clock offset: 0.003 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.02 Mbit/s
95th percentile per-packet one-way delay: 118.310 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 156.32 Mbit/s
95th percentile per-packet one-way delay: 115.459 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 119.148 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 125.092 ms
Loss rate: 1.99%

Run 5: Report of Indigo — Data Link

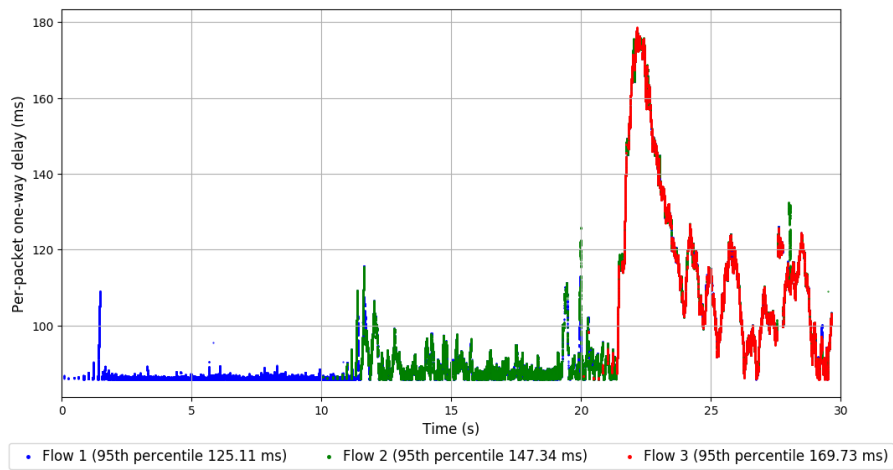
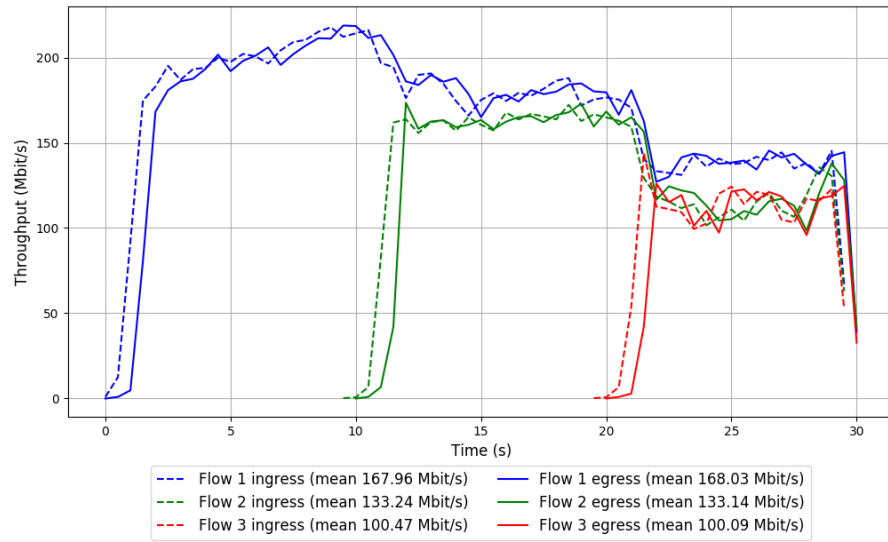


Run 6: Statistics of Indigo

Start at: 2018-07-18 18:12:55
End at: 2018-07-18 18:13:25
Local clock offset: -0.214 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.64 Mbit/s
95th percentile per-packet one-way delay: 145.843 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 168.03 Mbit/s
95th percentile per-packet one-way delay: 125.113 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 133.14 Mbit/s
95th percentile per-packet one-way delay: 147.337 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 100.09 Mbit/s
95th percentile per-packet one-way delay: 169.730 ms
Loss rate: 2.16%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-18 18:37:47

End at: 2018-07-18 18:38:17

Local clock offset: -0.303 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.24 Mbit/s

95th percentile per-packet one-way delay: 139.606 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 130.455 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 132.10 Mbit/s

95th percentile per-packet one-way delay: 140.280 ms

Loss rate: 0.98%

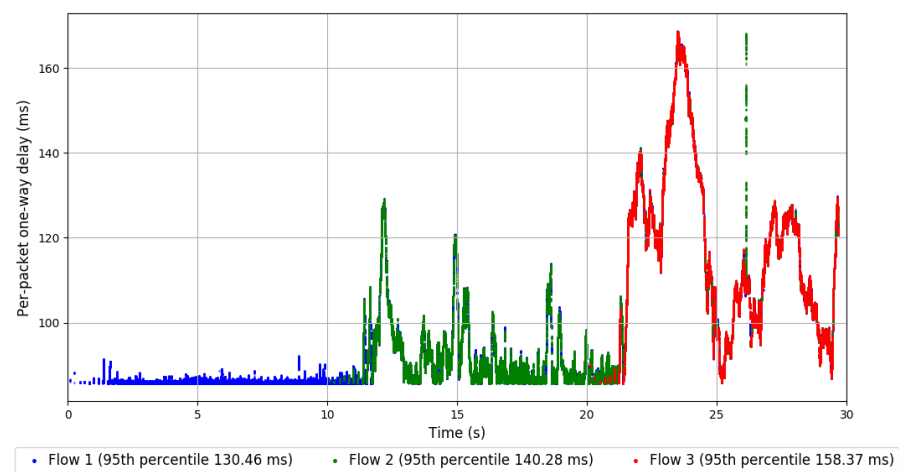
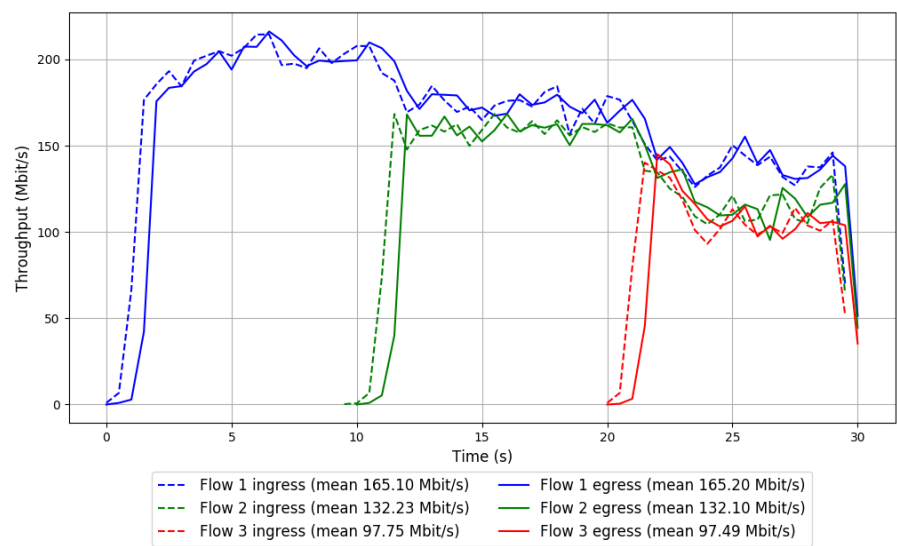
-- Flow 3:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 158.371 ms

Loss rate: 2.04%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 19:02:23

End at: 2018-07-18 19:02:53

Local clock offset: -0.114 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.08 Mbit/s

95th percentile per-packet one-way delay: 134.361 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 155.31 Mbit/s

95th percentile per-packet one-way delay: 127.420 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 134.90 Mbit/s

95th percentile per-packet one-way delay: 134.677 ms

Loss rate: 0.93%

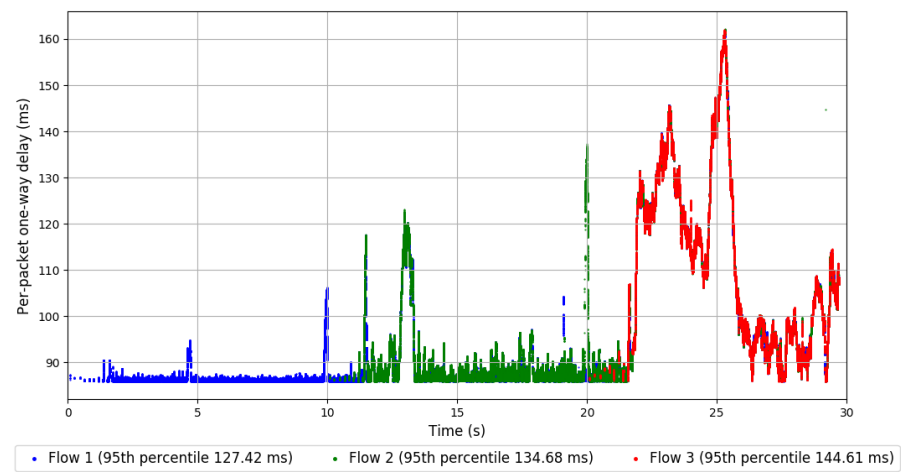
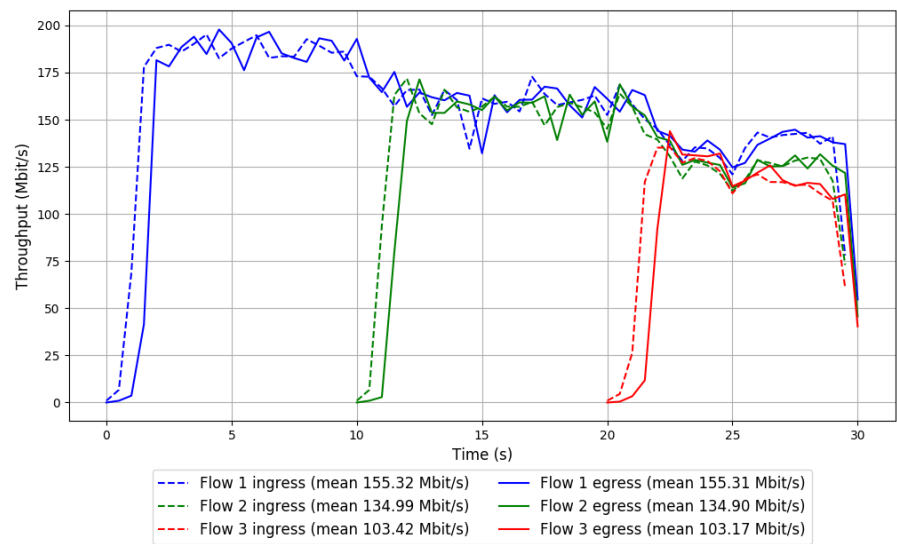
-- Flow 3:

Average throughput: 103.17 Mbit/s

95th percentile per-packet one-way delay: 144.613 ms

Loss rate: 2.00%

Run 8: Report of Indigo — Data Link

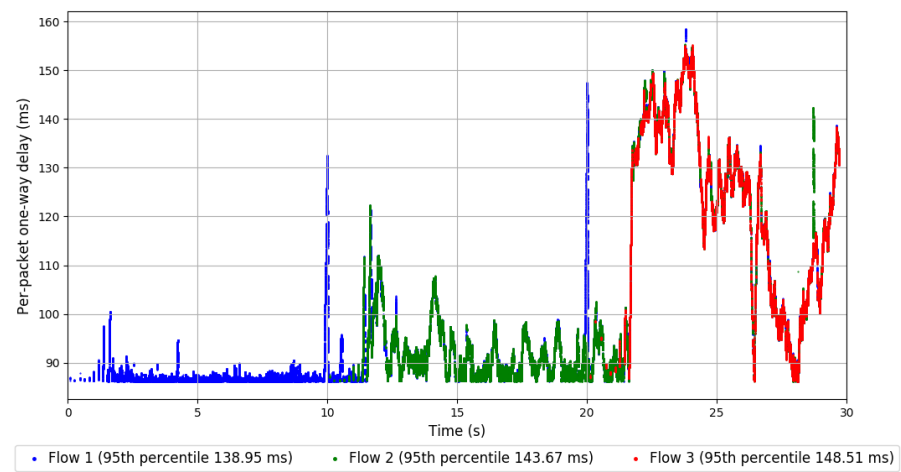
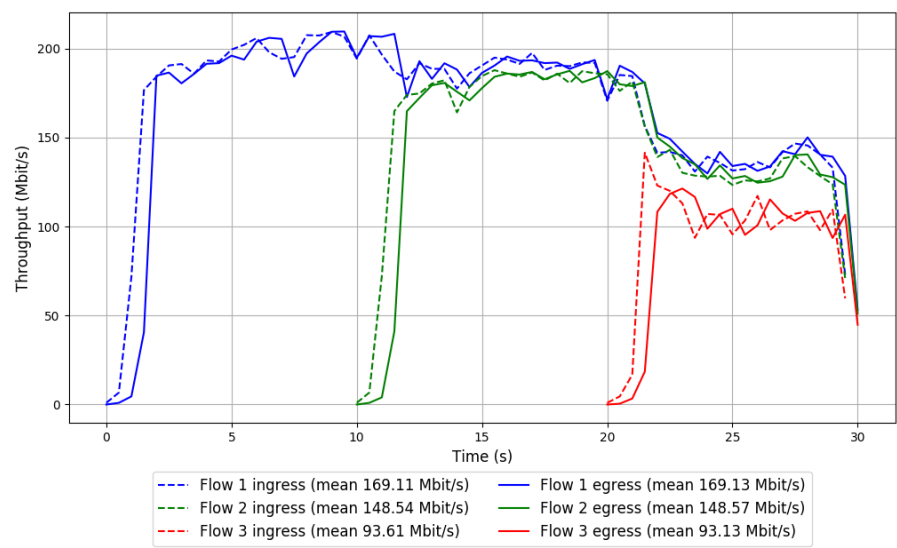


Run 9: Statistics of Indigo

Start at: 2018-07-18 19:27:24
End at: 2018-07-18 19:27:54
Local clock offset: -0.023 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.67 Mbit/s
95th percentile per-packet one-way delay: 142.761 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 169.13 Mbit/s
95th percentile per-packet one-way delay: 138.953 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 148.57 Mbit/s
95th percentile per-packet one-way delay: 143.668 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 148.514 ms
Loss rate: 2.29%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 19:52:21

End at: 2018-07-18 19:52:51

Local clock offset: 0.042 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.80 Mbit/s

95th percentile per-packet one-way delay: 146.755 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 157.47 Mbit/s

95th percentile per-packet one-way delay: 133.229 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 142.88 Mbit/s

95th percentile per-packet one-way delay: 146.946 ms

Loss rate: 0.90%

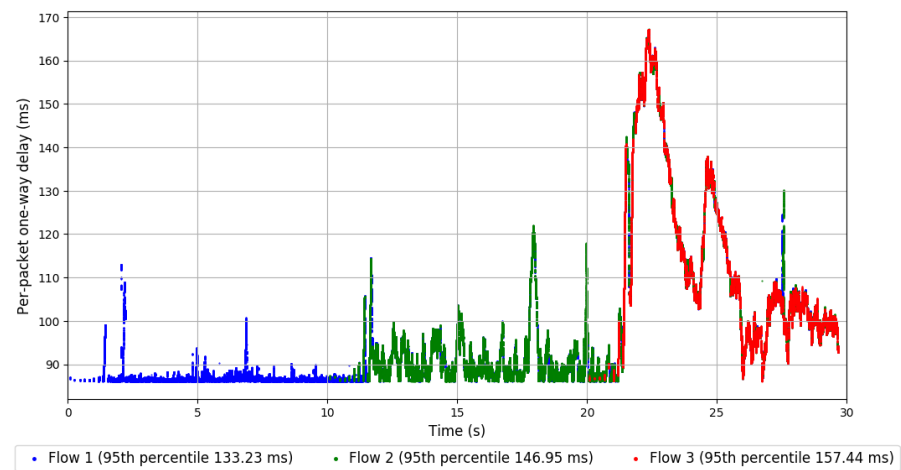
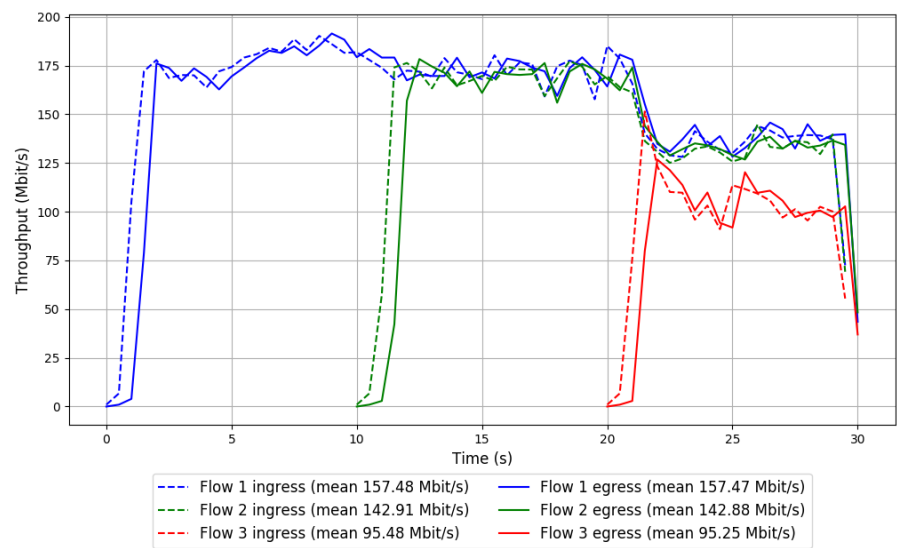
-- Flow 3:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 157.437 ms

Loss rate: 2.02%

Run 10: Report of Indigo — Data Link

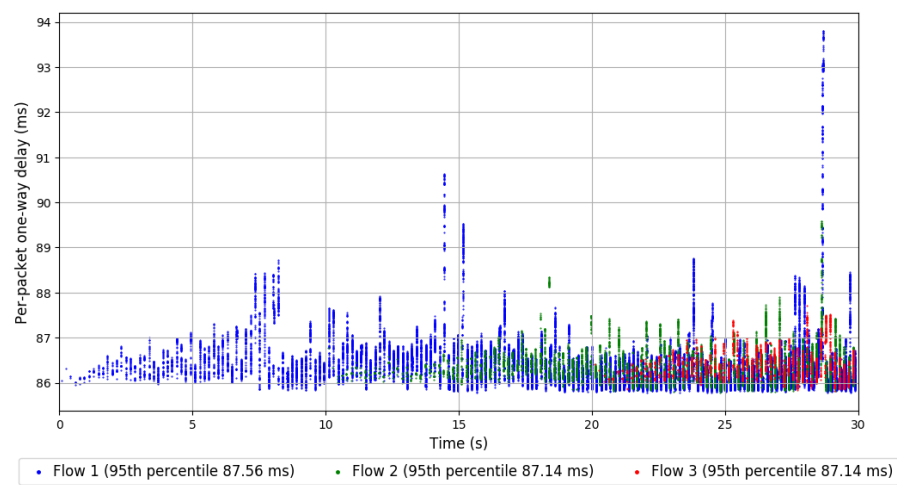
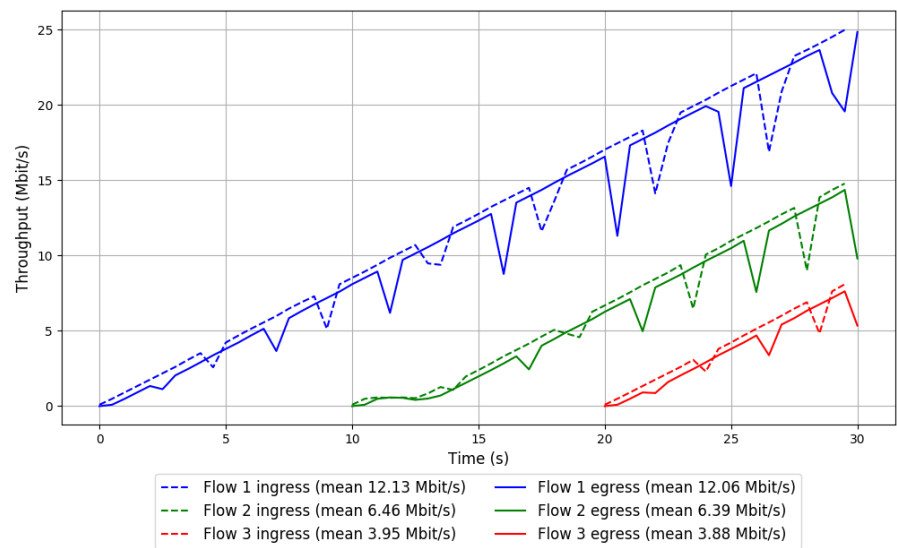


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 16:03:48
End at: 2018-07-18 16:04:18
Local clock offset: -0.375 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 87.373 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.555 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.145 ms
Loss rate: 3.51%

Run 1: Report of LEDBAT — Data Link

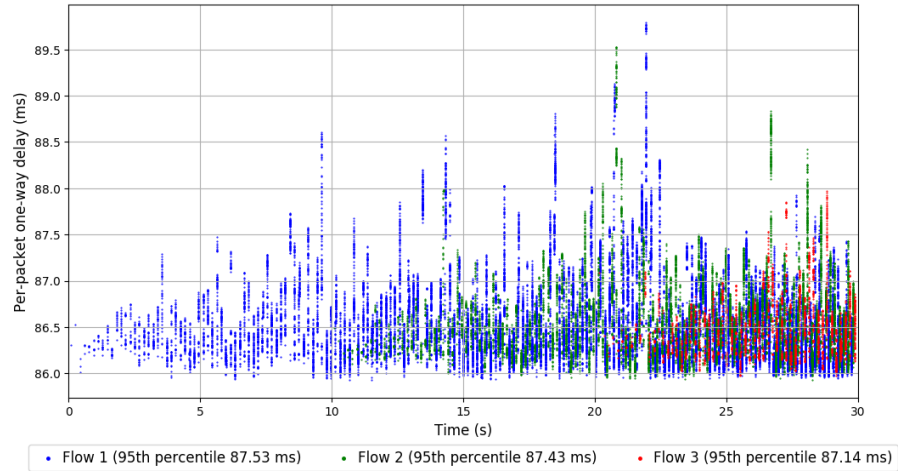
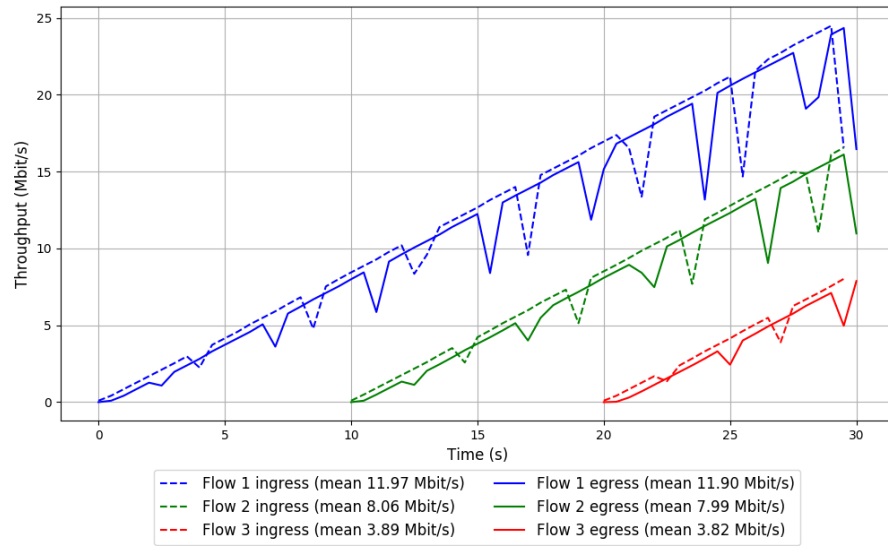


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 16:28:42
End at: 2018-07-18 16:29:12
Local clock offset: -0.233 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 87.482 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 87.528 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 87.429 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 87.144 ms
Loss rate: 3.54%

Run 2: Report of LEDBAT — Data Link

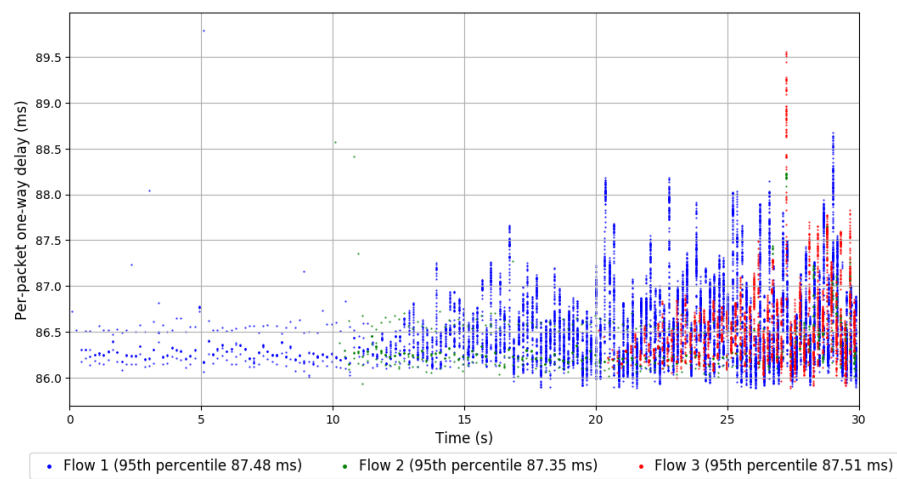
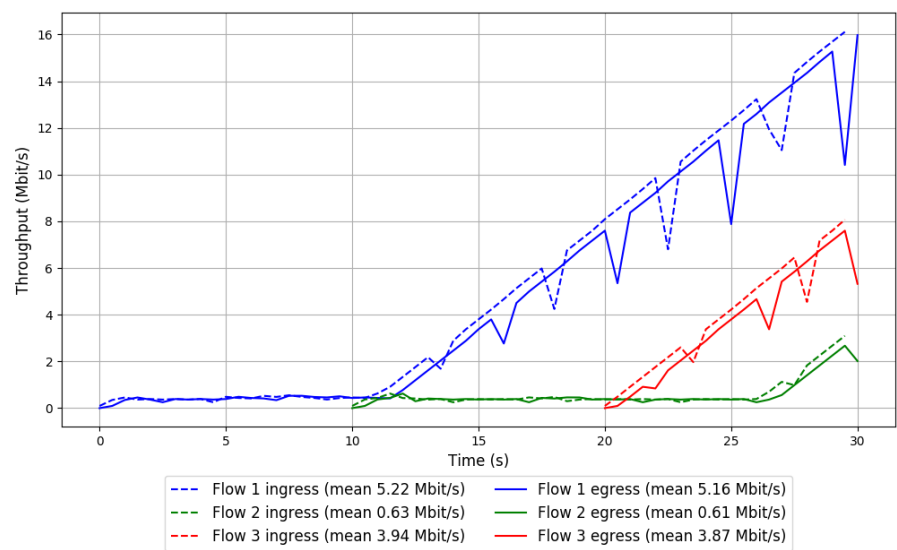


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 16:53:27
End at: 2018-07-18 16:53:57
Local clock offset: -0.168 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 87.485 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 87.483 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 87.352 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.508 ms
Loss rate: 3.52%

Run 3: Report of LEDBAT — Data Link

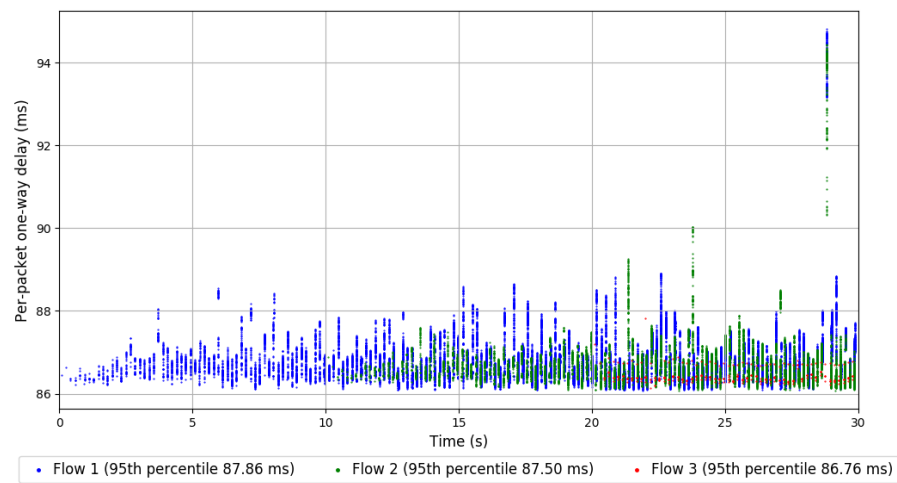
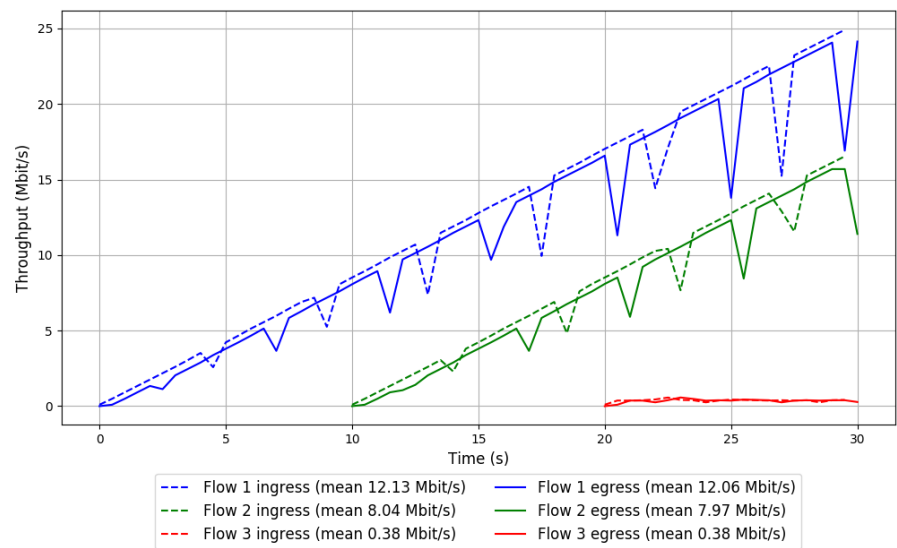


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 17:18:20
End at: 2018-07-18 17:18:50
Local clock offset: 0.07 ms
Remote clock offset: -0.045 ms

```
# Below is generated by plot.py at 2018-07-18 21:38:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 87.808 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.859 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 87.502 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.760 ms
Loss rate: 1.84%
```

Run 4: Report of LEDBAT — Data Link

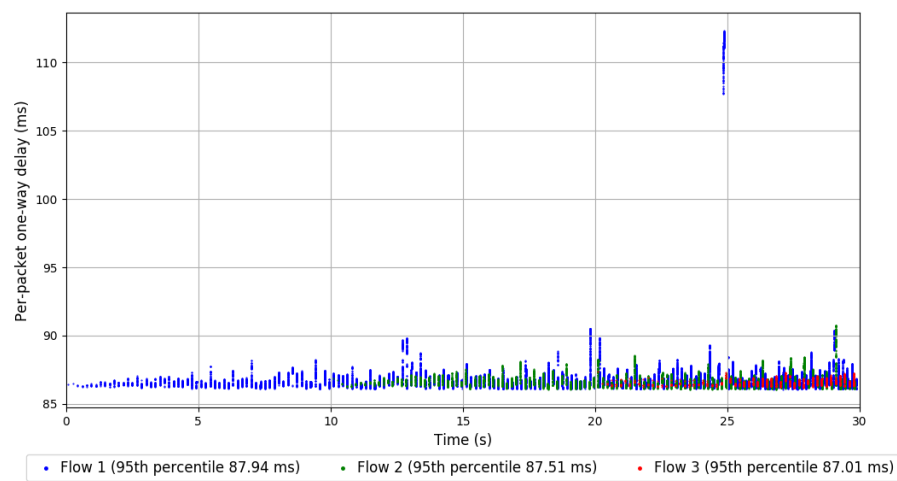
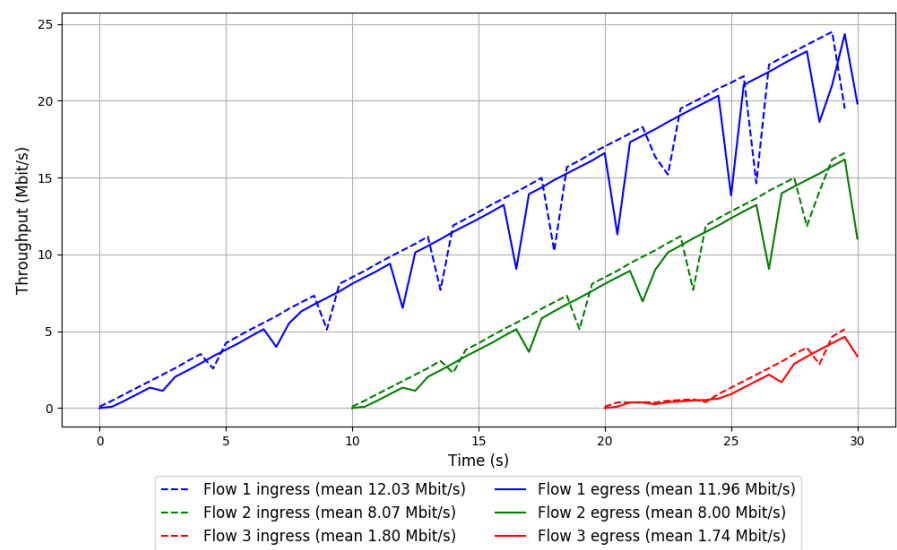


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 17:42:58
End at: 2018-07-18 17:43:28
Local clock offset: 0.057 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: 87.804 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 87.943 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.510 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 4.96%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-18 18:07:34

End at: 2018-07-18 18:08:04

Local clock offset: -0.08 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 87.379 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 87.430 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 87.110 ms

Loss rate: 2.86%

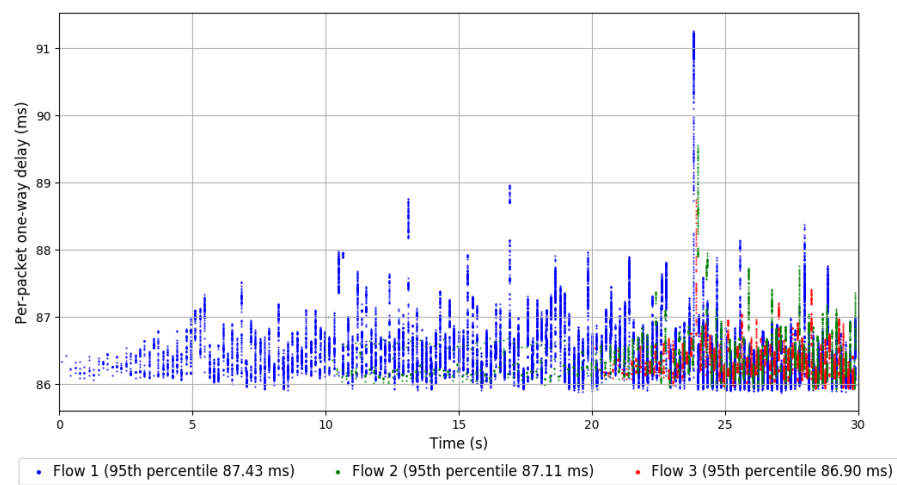
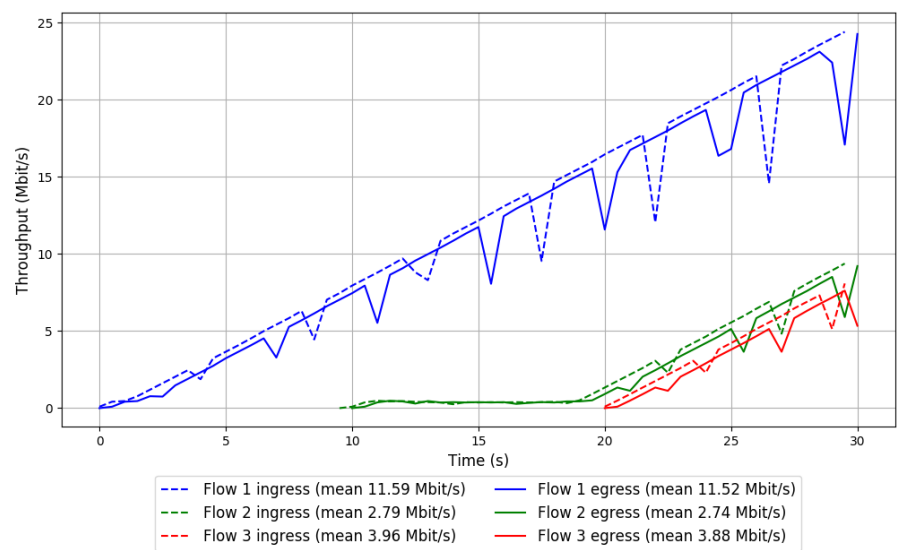
-- Flow 3:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 86.901 ms

Loss rate: 3.52%

Run 6: Report of LEDBAT — Data Link

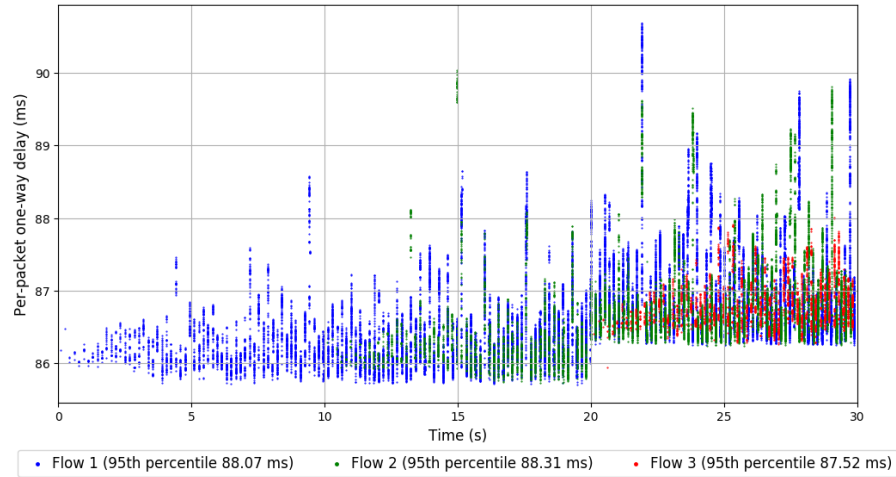
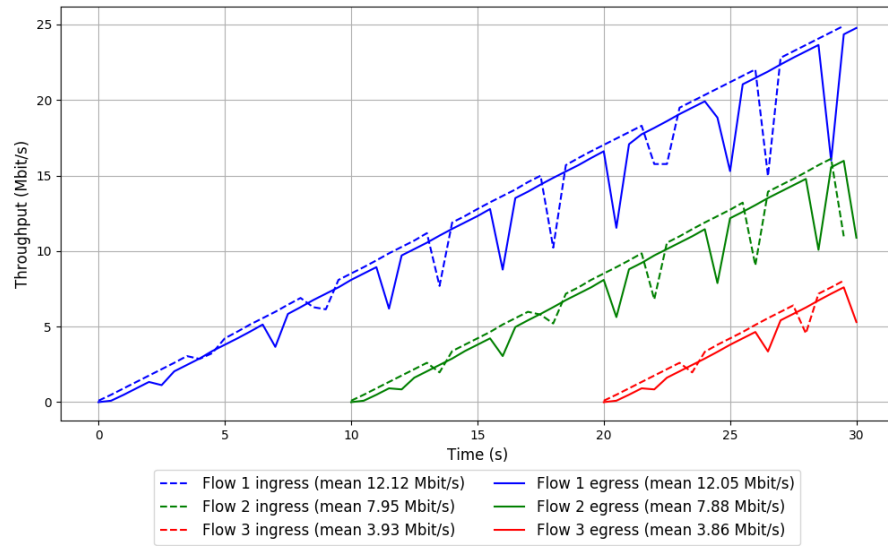


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 18:32:23
End at: 2018-07-18 18:32:53
Local clock offset: -0.299 ms
Remote clock offset: 0.026 ms

```
# Below is generated by plot.py at 2018-07-18 21:38:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 88.052 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.068 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 88.308 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 3.53%
```

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 18:57:05

End at: 2018-07-18 18:57:35

Local clock offset: -0.115 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 87.789 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.984 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 87.481 ms

Loss rate: 1.74%

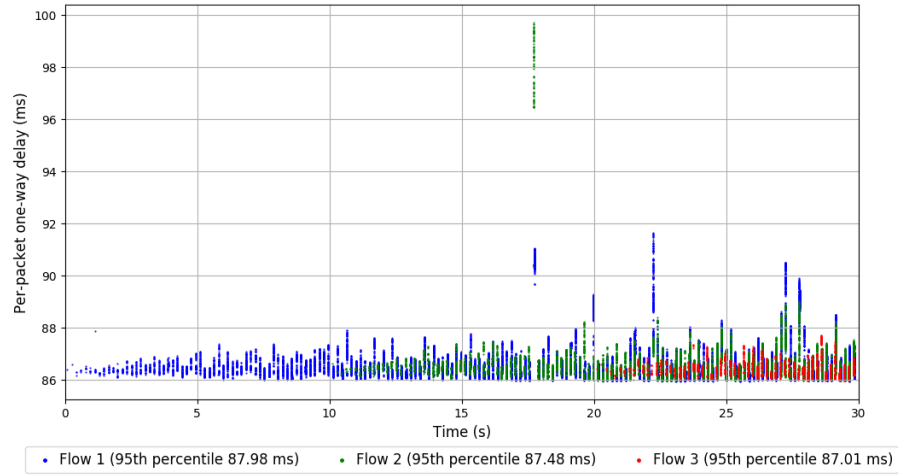
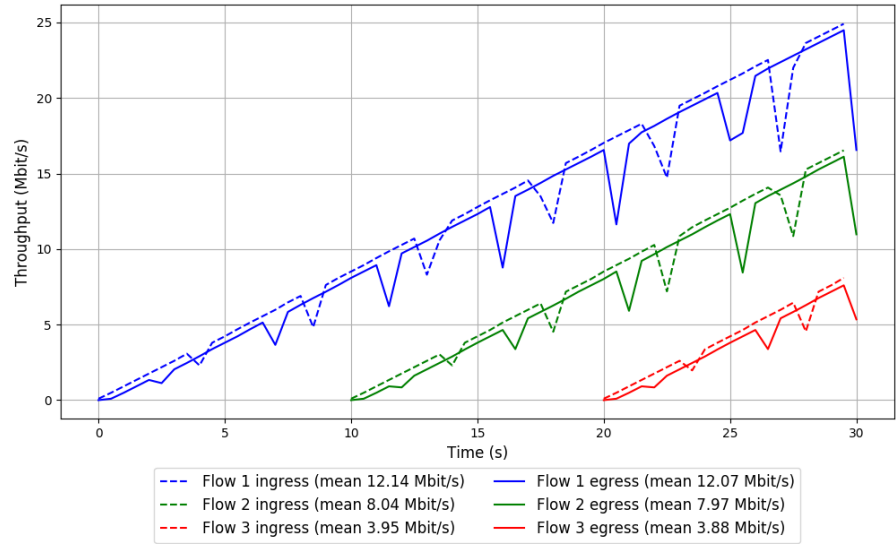
-- Flow 3:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 87.014 ms

Loss rate: 3.52%

Run 8: Report of LEDBAT — Data Link

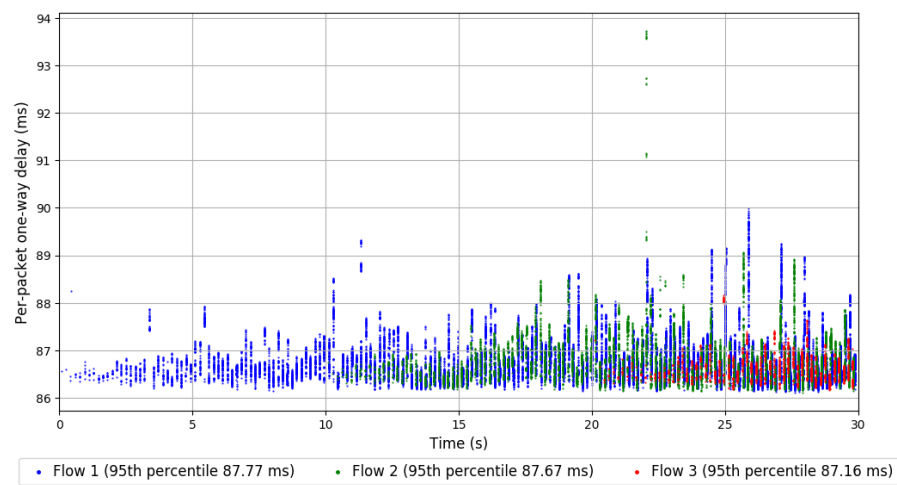
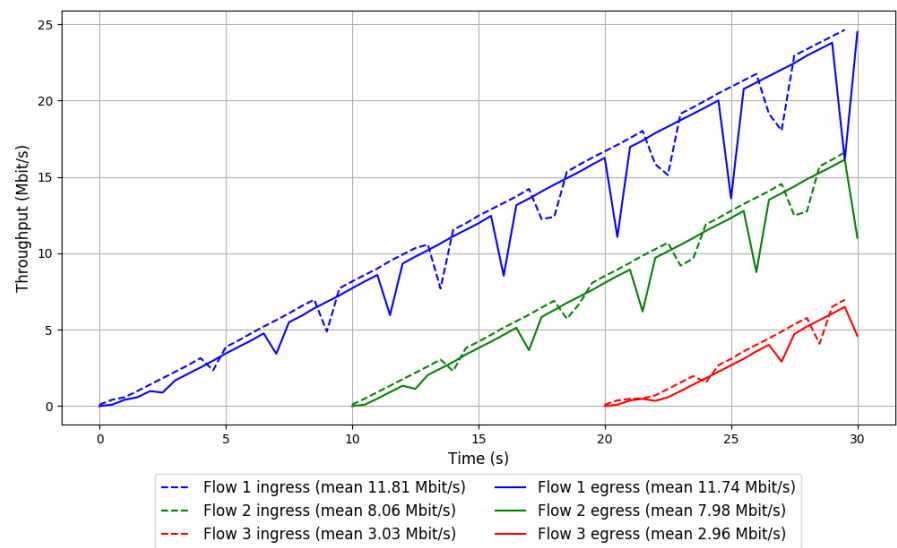


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 19:22:05
End at: 2018-07-18 19:22:35
Local clock offset: -0.051 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 87.768 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 87.669 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 87.157 ms
Loss rate: 3.97%

Run 9: Report of LEDBAT — Data Link

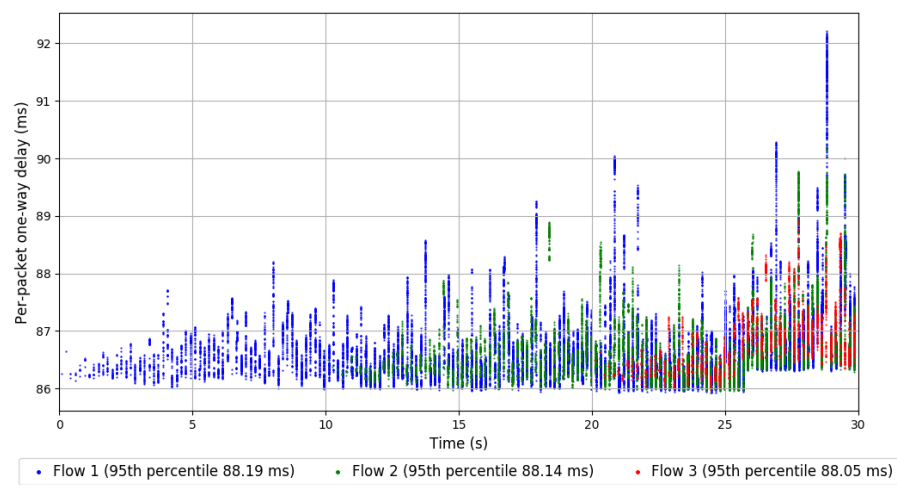
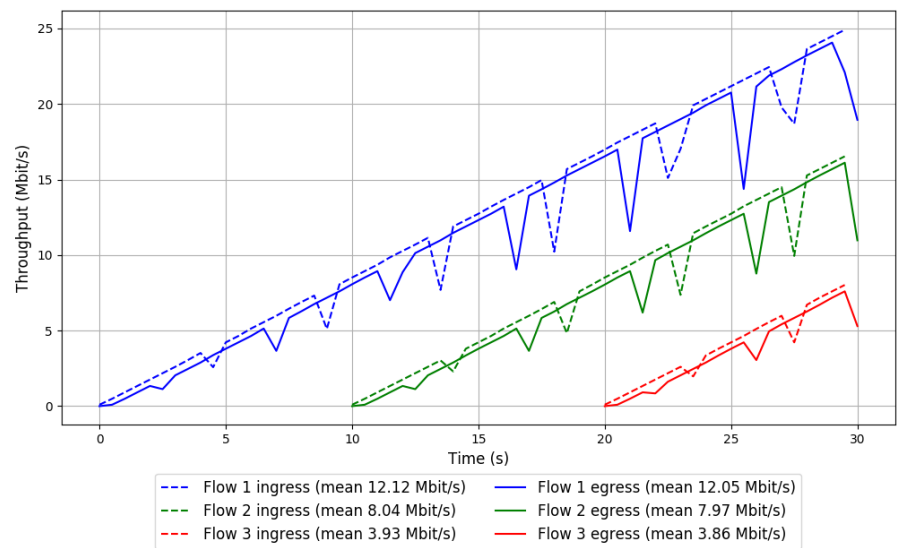


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 19:46:58
End at: 2018-07-18 19:47:28
Local clock offset: -0.116 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 88.151 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.191 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 88.143 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 88.051 ms
Loss rate: 3.50%

Run 10: Report of LEDBAT — Data Link

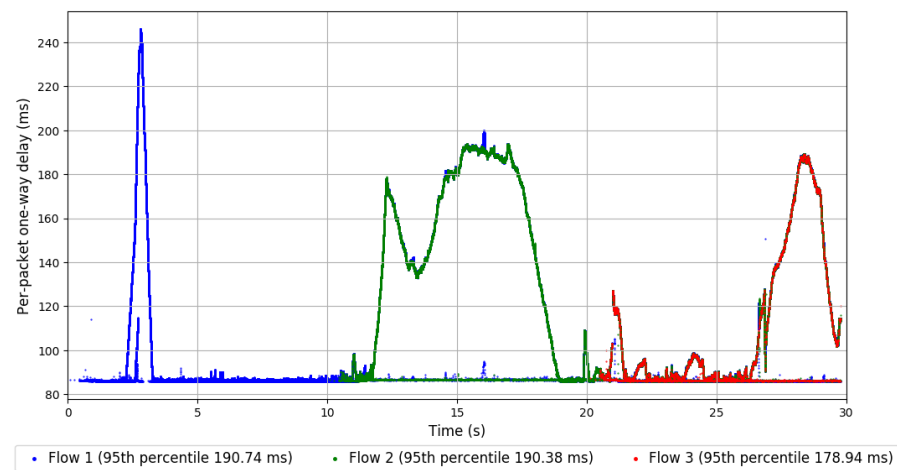
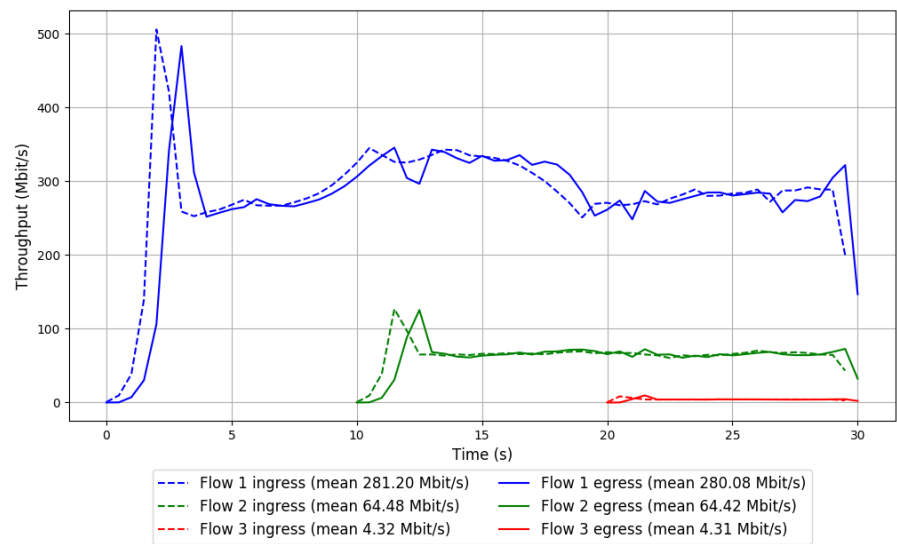


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 16:12:02
End at: 2018-07-18 16:12:32
Local clock offset: -0.188 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.11 Mbit/s
95th percentile per-packet one-way delay: 190.649 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 280.08 Mbit/s
95th percentile per-packet one-way delay: 190.737 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 190.379 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 178.935 ms
Loss rate: 1.90%

Run 1: Report of PCC-Allegro — Data Link

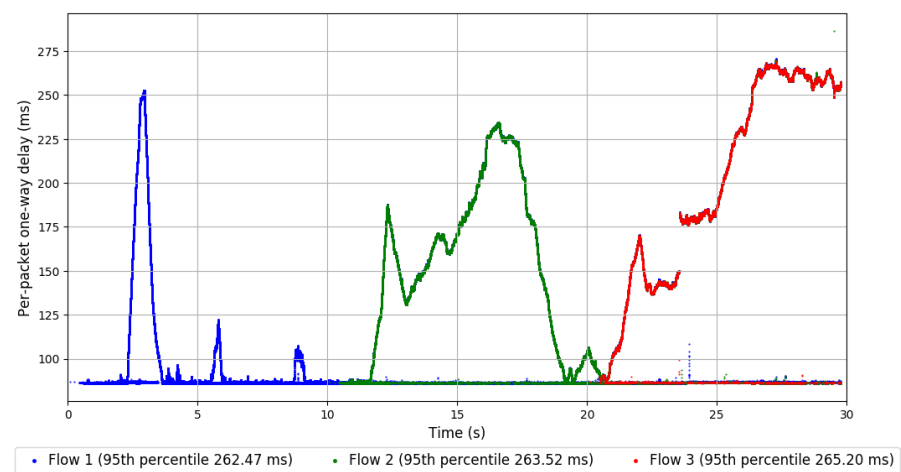
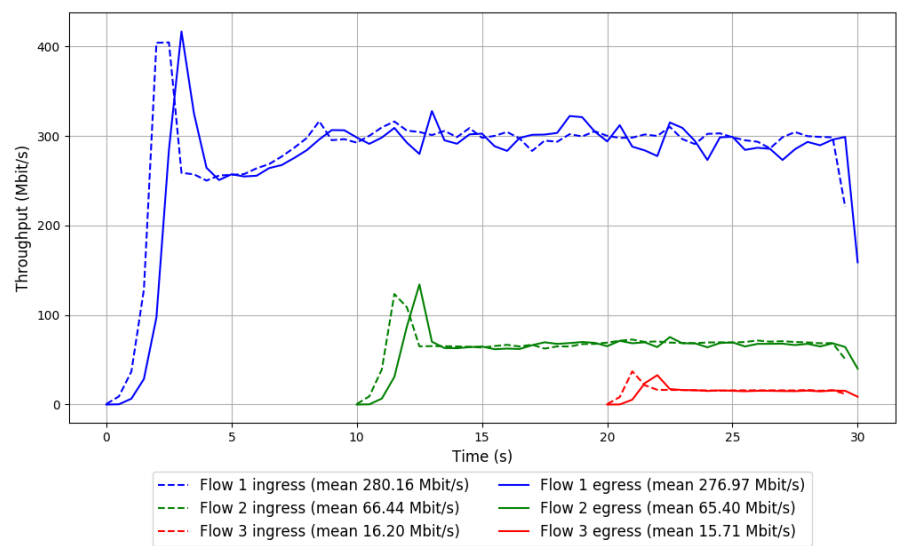


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 16:36:59
End at: 2018-07-18 16:37:29
Local clock offset: -0.146 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-18 21:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.41 Mbit/s
95th percentile per-packet one-way delay: 262.913 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 276.97 Mbit/s
95th percentile per-packet one-way delay: 262.470 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 263.524 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 265.205 ms
Loss rate: 4.72%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 17:01:43

End at: 2018-07-18 17:02:13

Local clock offset: -0.176 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-18 21:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.10 Mbit/s

95th percentile per-packet one-way delay: 131.303 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 277.36 Mbit/s

95th percentile per-packet one-way delay: 131.917 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 32.37 Mbit/s

95th percentile per-packet one-way delay: 129.748 ms

Loss rate: 0.93%

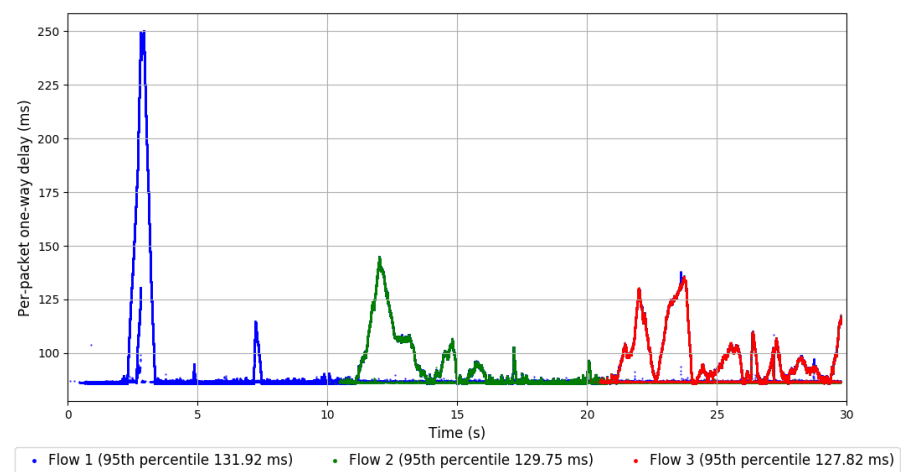
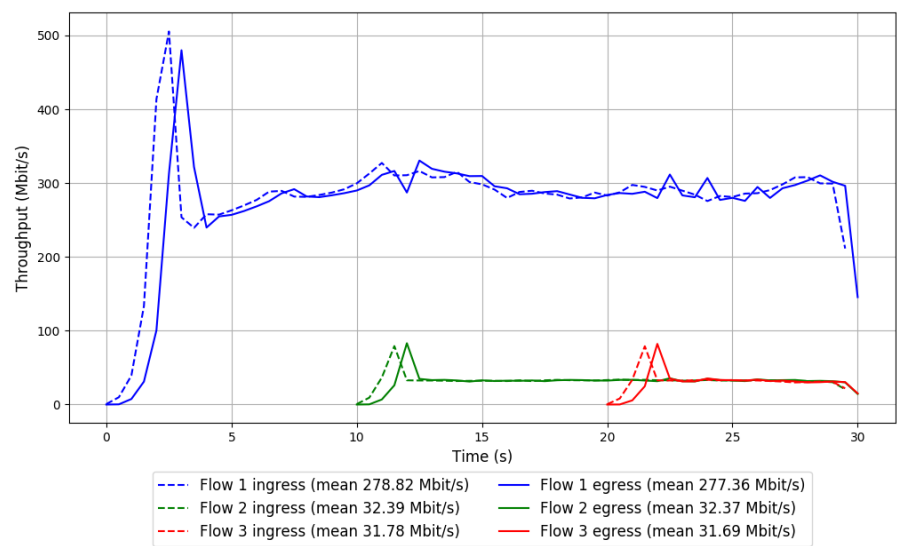
-- Flow 3:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 127.819 ms

Loss rate: 2.04%

Run 3: Report of PCC-Allegro — Data Link

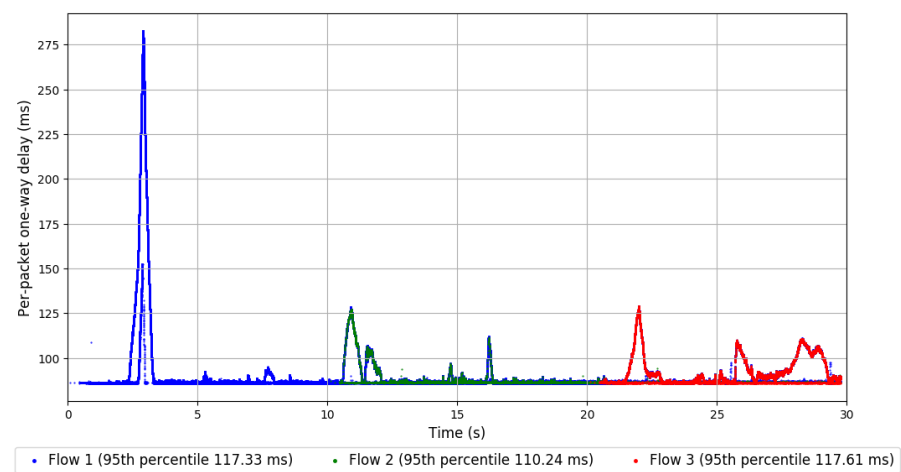
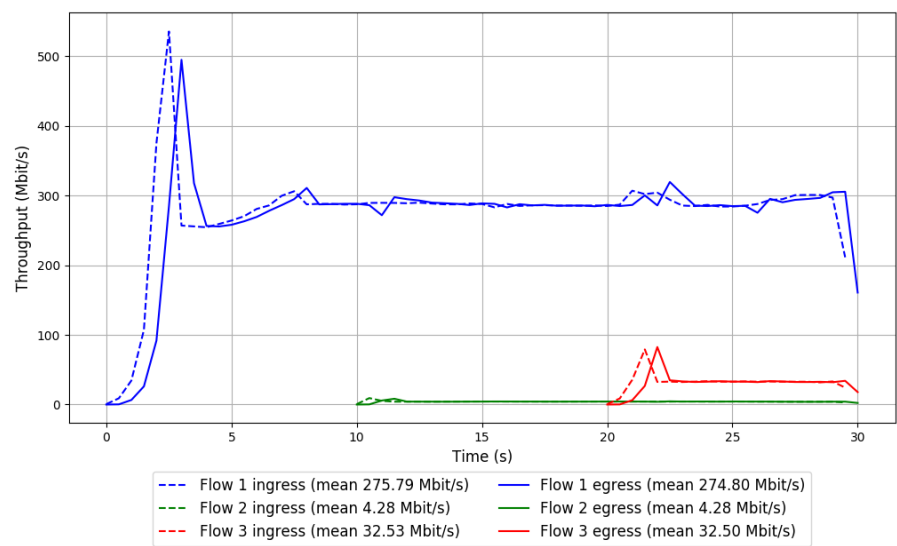


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 17:26:38
End at: 2018-07-18 17:27:08
Local clock offset: -0.069 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-18 21:38:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.23 Mbit/s
95th percentile per-packet one-way delay: 117.218 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 274.80 Mbit/s
95th percentile per-packet one-way delay: 117.333 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 110.239 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 117.605 ms
Loss rate: 1.88%

Run 4: Report of PCC-Allegro — Data Link

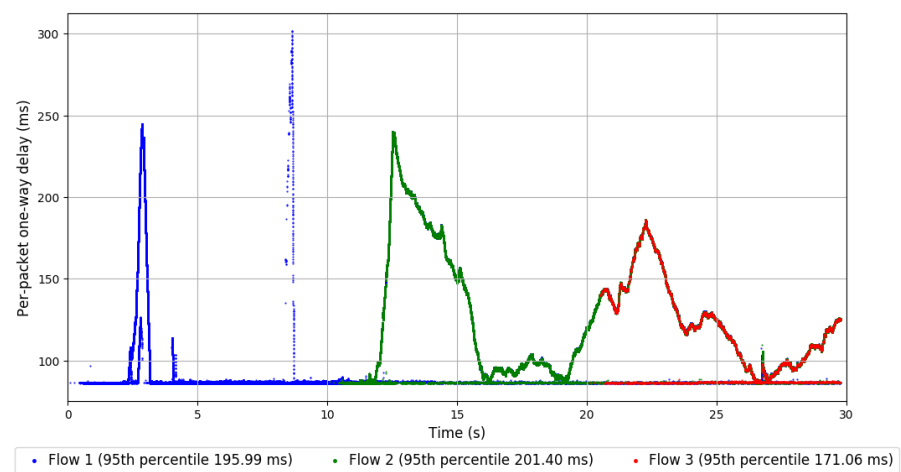
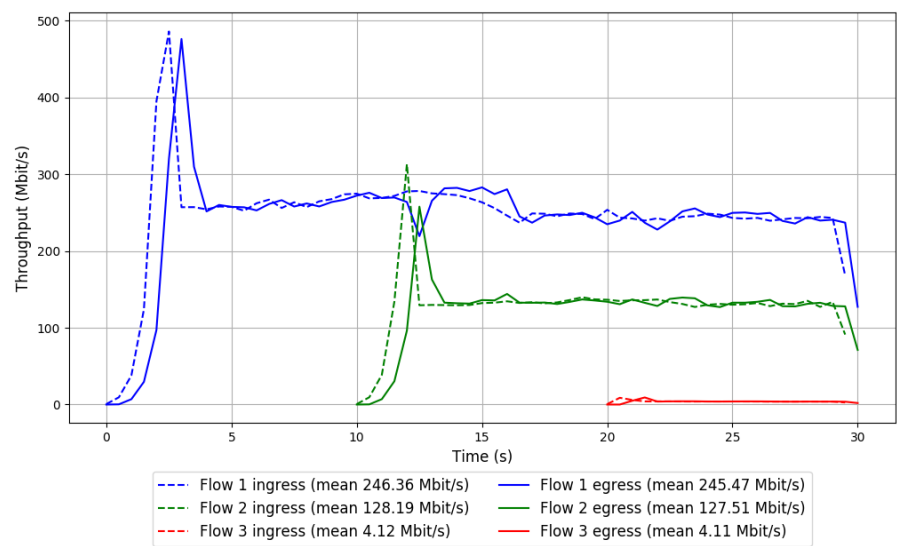


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 17:51:19
End at: 2018-07-18 17:51:49
Local clock offset: 0.081 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-18 21:41:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.33 Mbit/s
95th percentile per-packet one-way delay: 199.325 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 245.47 Mbit/s
95th percentile per-packet one-way delay: 195.989 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 127.51 Mbit/s
95th percentile per-packet one-way delay: 201.396 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 171.060 ms
Loss rate: 2.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 18:15:53

End at: 2018-07-18 18:16:23

Local clock offset: -0.129 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-18 21:41:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.00 Mbit/s

95th percentile per-packet one-way delay: 199.100 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 273.07 Mbit/s

95th percentile per-packet one-way delay: 197.692 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 200.636 ms

Loss rate: 1.30%

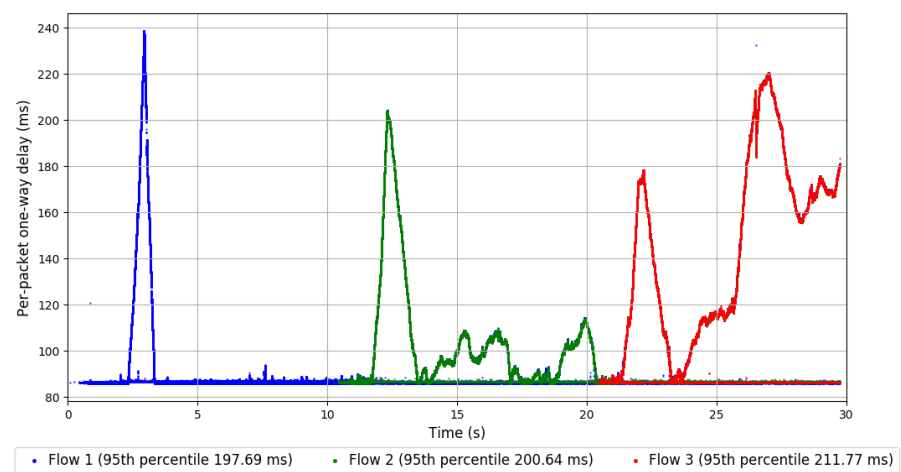
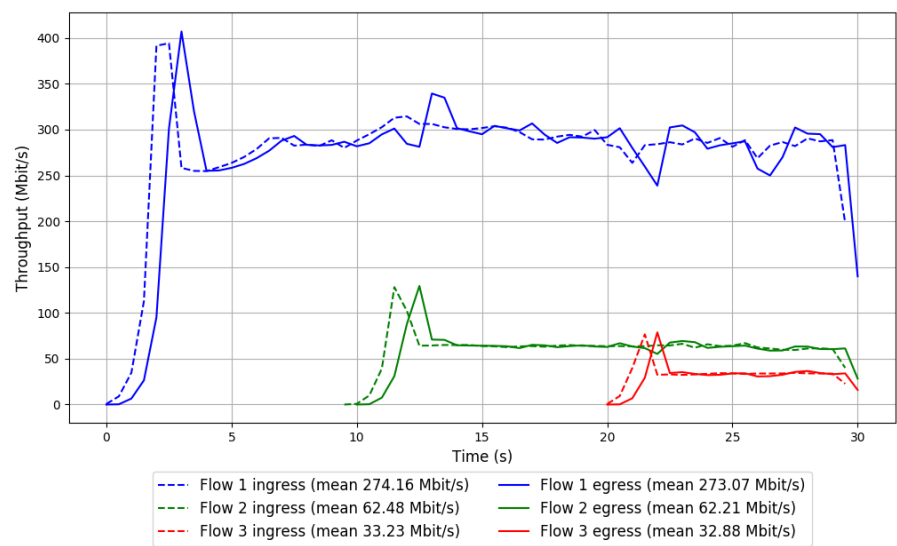
-- Flow 3:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 211.774 ms

Loss rate: 2.79%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 18:40:44

End at: 2018-07-18 18:41:14

Local clock offset: -0.173 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-18 21:41:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.78 Mbit/s

95th percentile per-packet one-way delay: 234.301 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 270.56 Mbit/s

95th percentile per-packet one-way delay: 234.277 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 64.83 Mbit/s

95th percentile per-packet one-way delay: 234.553 ms

Loss rate: 0.92%

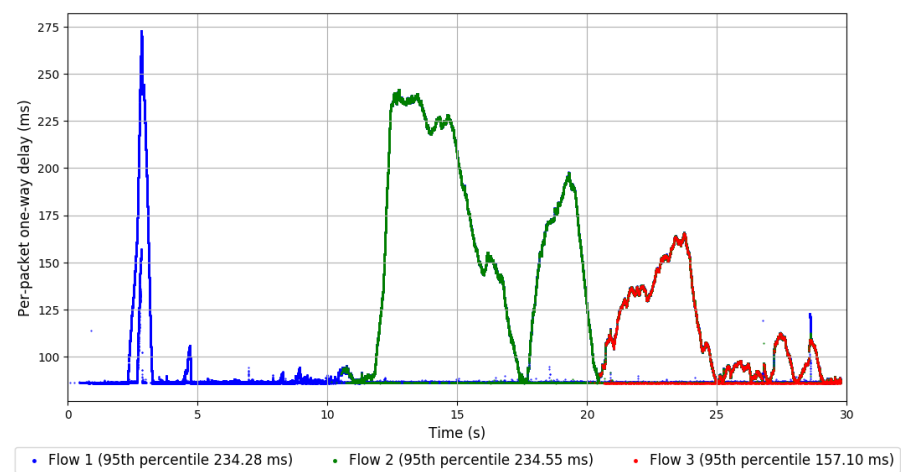
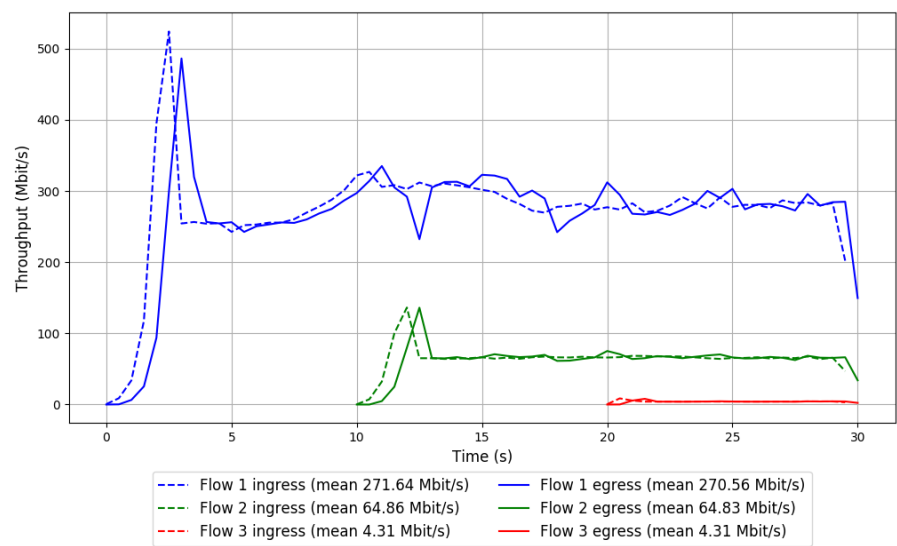
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 157.104 ms

Loss rate: 1.79%

Run 7: Report of PCC-Allegro — Data Link

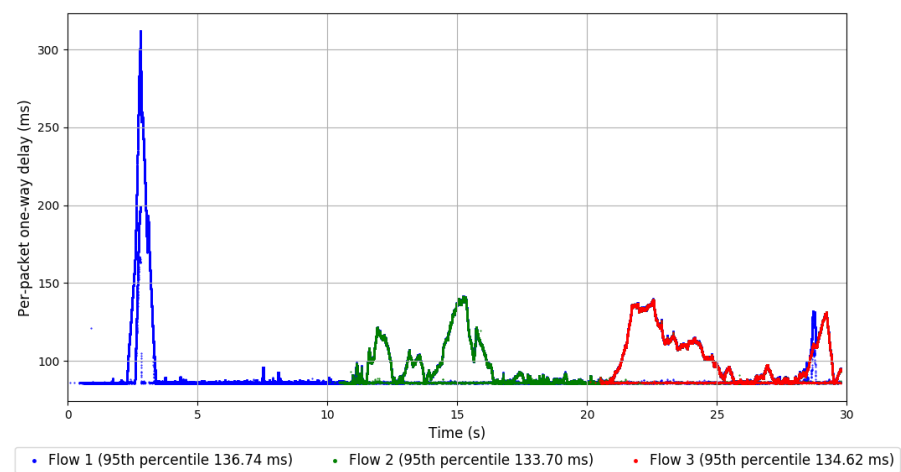
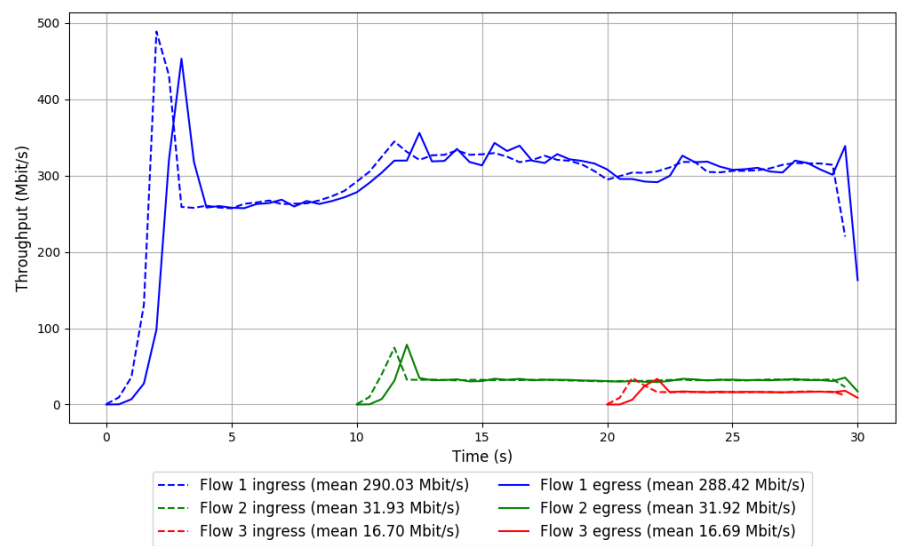


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 19:05:20
End at: 2018-07-18 19:05:50
Local clock offset: -0.298 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-18 21:41:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.99 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 288.42 Mbit/s
95th percentile per-packet one-way delay: 136.740 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 133.702 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 134.618 ms
Loss rate: 1.83%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 19:30:23

End at: 2018-07-18 19:30:53

Local clock offset: -0.212 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-18 21:42:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.93 Mbit/s

95th percentile per-packet one-way delay: 140.573 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 327.40 Mbit/s

95th percentile per-packet one-way delay: 140.767 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 135.156 ms

Loss rate: 0.83%

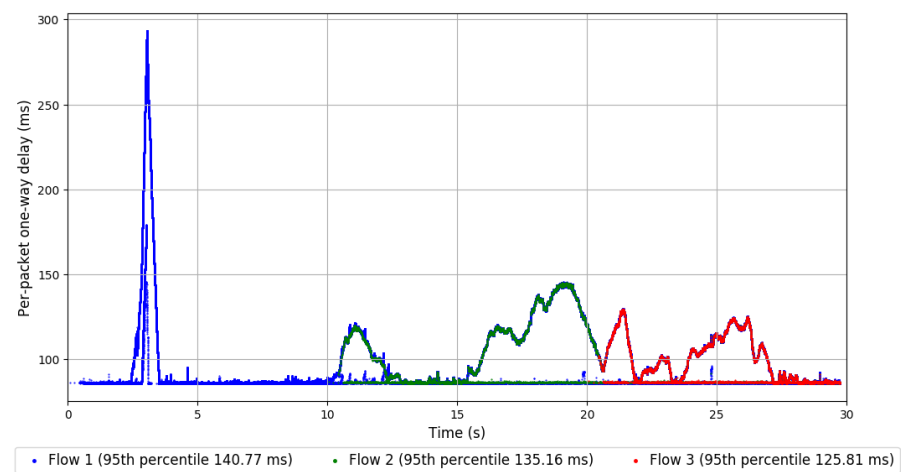
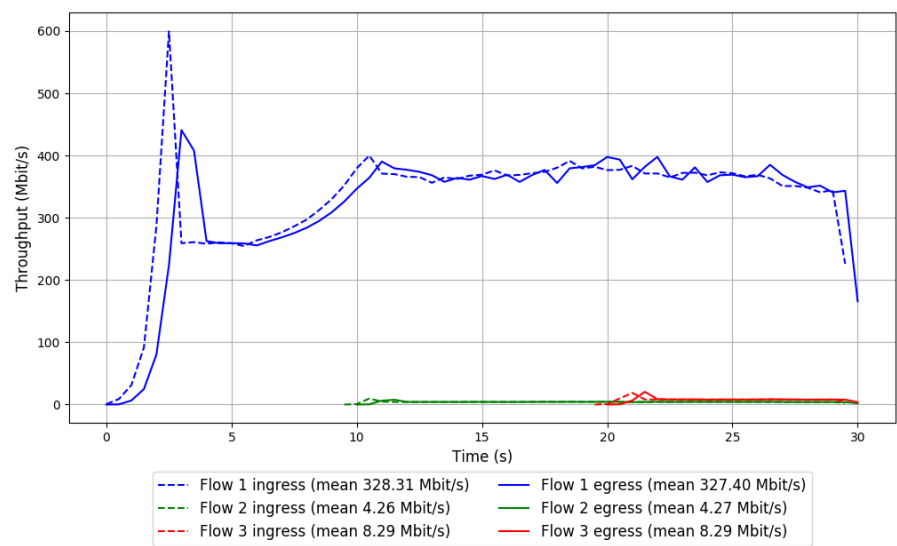
-- Flow 3:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 125.813 ms

Loss rate: 1.71%

Run 9: Report of PCC-Allegro — Data Link

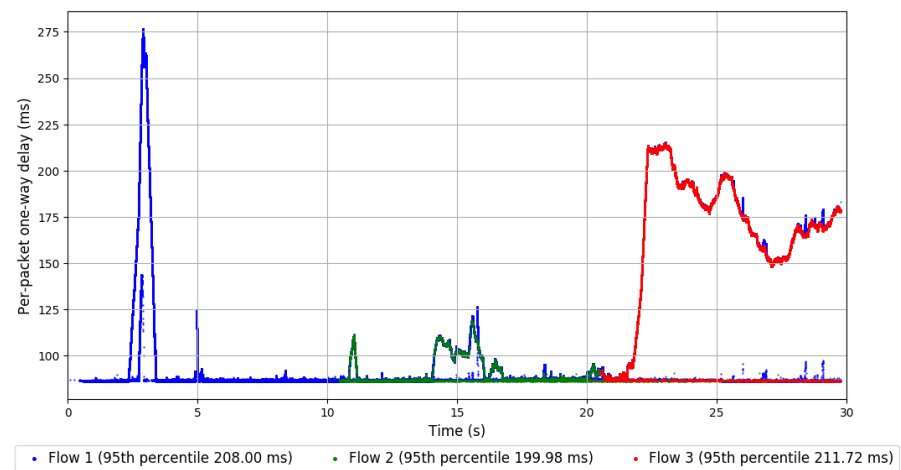
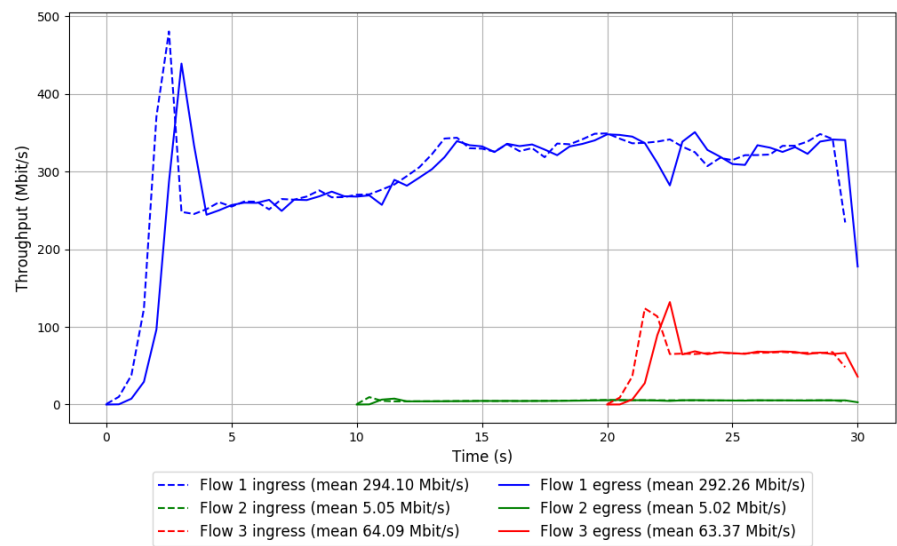


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 19:55:18
End at: 2018-07-18 19:55:48
Local clock offset: 0.166 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 21:42:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.12 Mbit/s
95th percentile per-packet one-way delay: 209.848 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 292.26 Mbit/s
95th percentile per-packet one-way delay: 207.997 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 199.981 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 211.719 ms
Loss rate: 2.88%

Run 10: Report of PCC-Allegro — Data Link

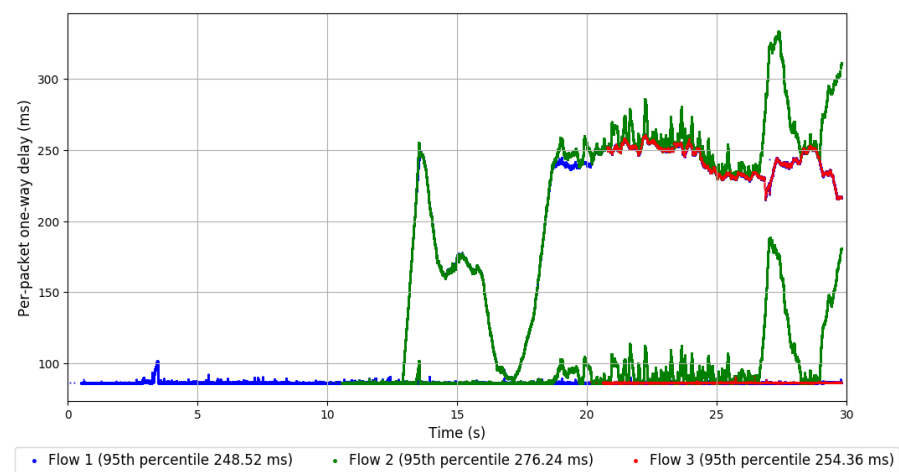
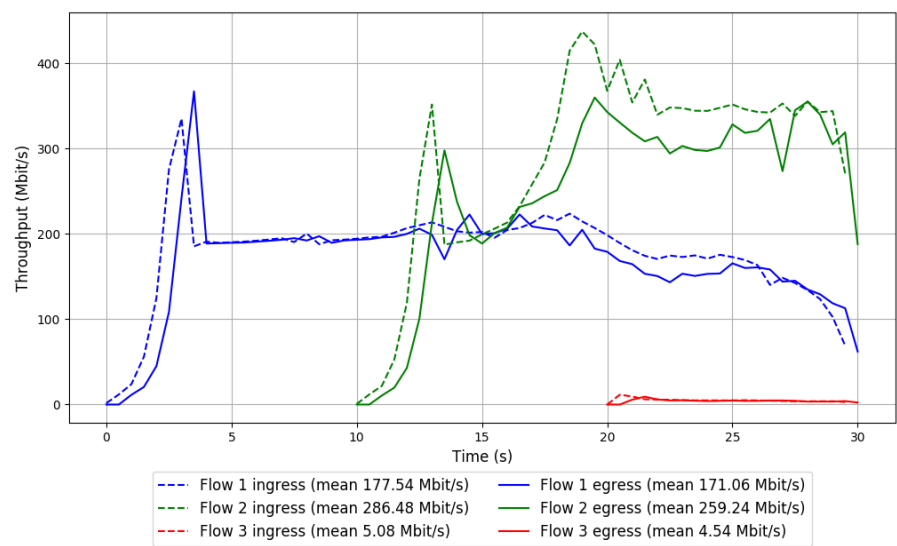


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 15:48:34
End at: 2018-07-18 15:49:04
Local clock offset: -0.216 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-18 21:49:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.08 Mbit/s
95th percentile per-packet one-way delay: 258.255 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 248.519 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 259.24 Mbit/s
95th percentile per-packet one-way delay: 276.238 ms
Loss rate: 10.30%
-- Flow 3:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 254.357 ms
Loss rate: 12.27%
```


Run 1: Report of PCC-Expr — Data Link

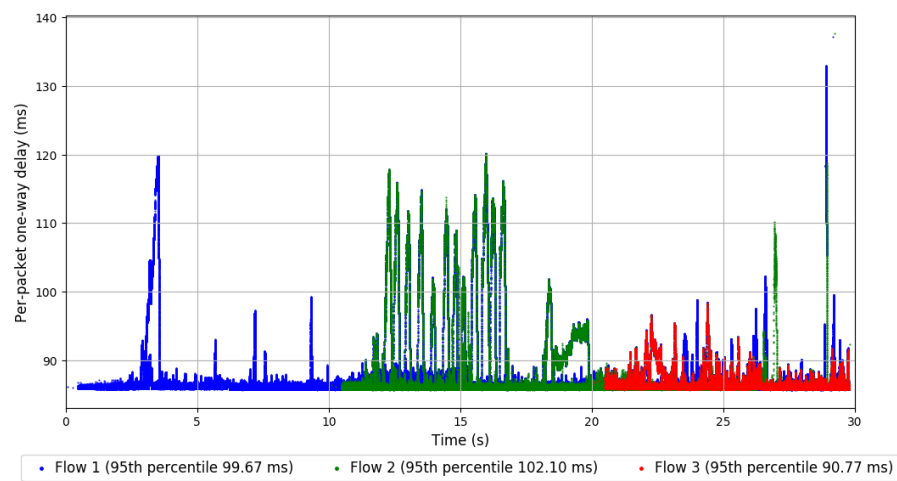
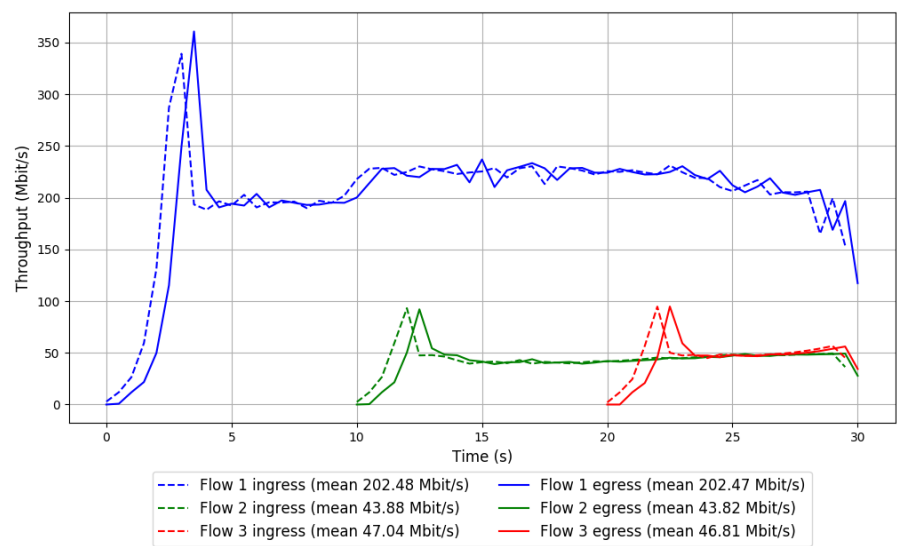


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 16:13:27
End at: 2018-07-18 16:13:57
Local clock offset: -0.343 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-18 21:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.74 Mbit/s
95th percentile per-packet one-way delay: 99.233 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 202.47 Mbit/s
95th percentile per-packet one-way delay: 99.673 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 102.099 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 90.773 ms
Loss rate: 2.25%

Run 2: Report of PCC-Expr — Data Link

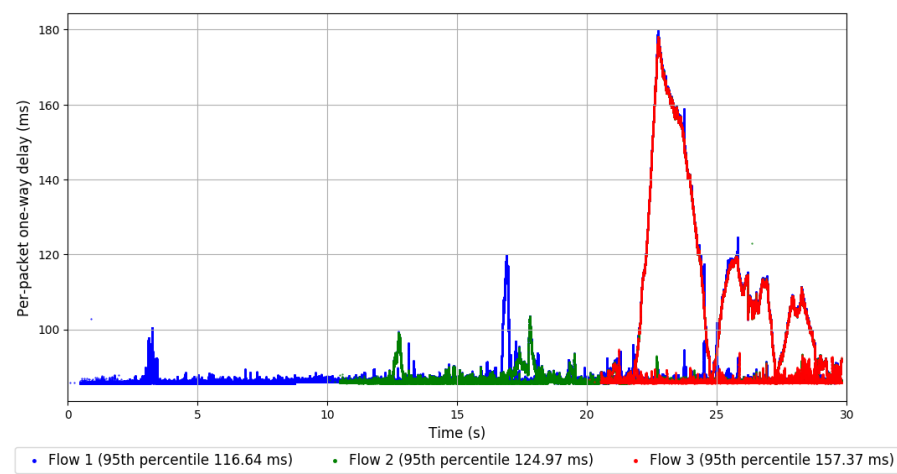
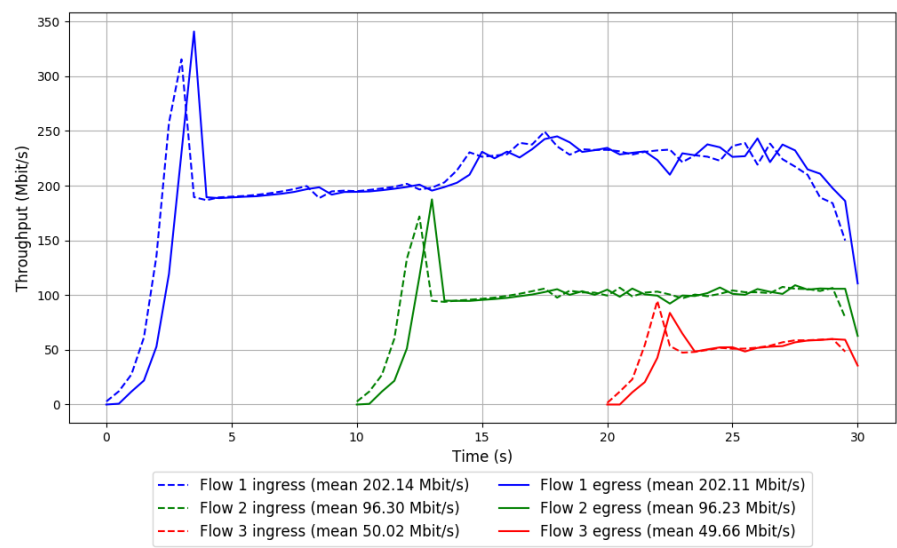


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 16:38:25
End at: 2018-07-18 16:38:55
Local clock offset: -0.495 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-18 21:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.10 Mbit/s
95th percentile per-packet one-way delay: 118.896 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 116.644 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 124.969 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 157.369 ms
Loss rate: 2.46%

Run 3: Report of PCC-Expr — Data Link

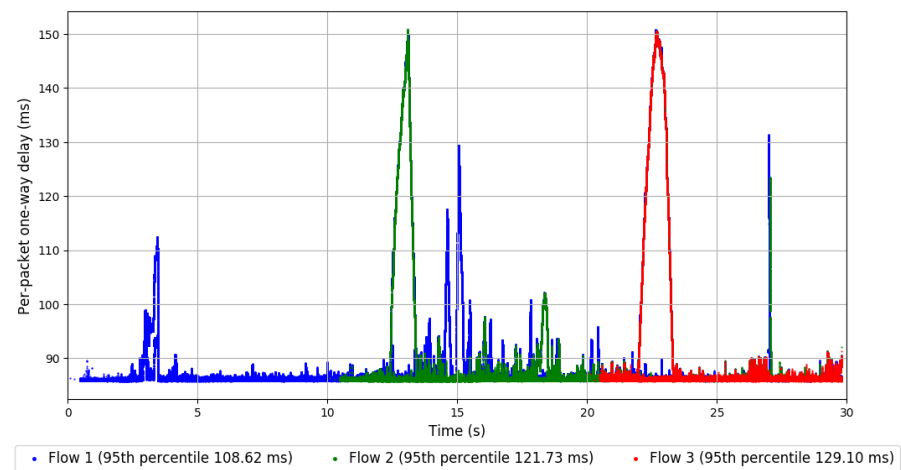
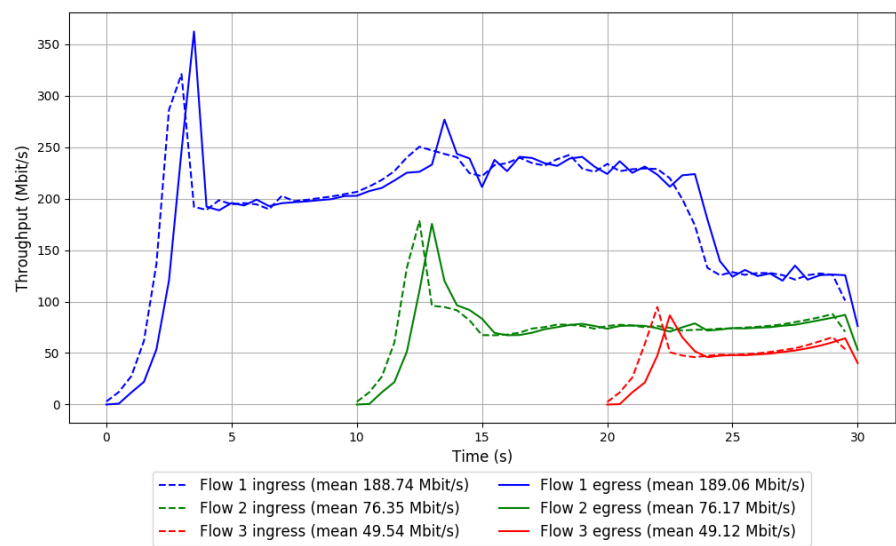


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 17:03:07
End at: 2018-07-18 17:03:37
Local clock offset: -0.272 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 21:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.58 Mbit/s
95th percentile per-packet one-way delay: 111.124 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 189.06 Mbit/s
95th percentile per-packet one-way delay: 108.621 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 121.733 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 129.100 ms
Loss rate: 2.58%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 17:28:01

End at: 2018-07-18 17:28:31

Local clock offset: -0.016 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-18 21:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.46 Mbit/s

95th percentile per-packet one-way delay: 96.978 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 184.81 Mbit/s

95th percentile per-packet one-way delay: 96.133 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 101.98 Mbit/s

95th percentile per-packet one-way delay: 98.476 ms

Loss rate: 1.11%

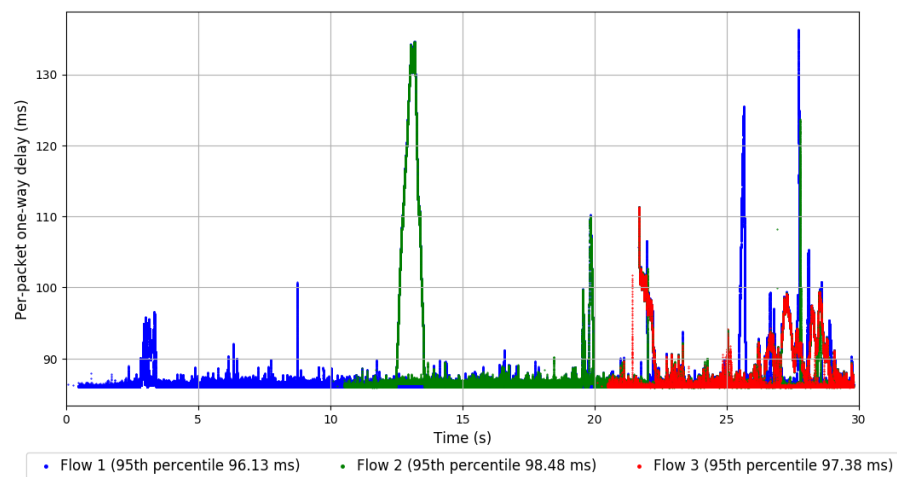
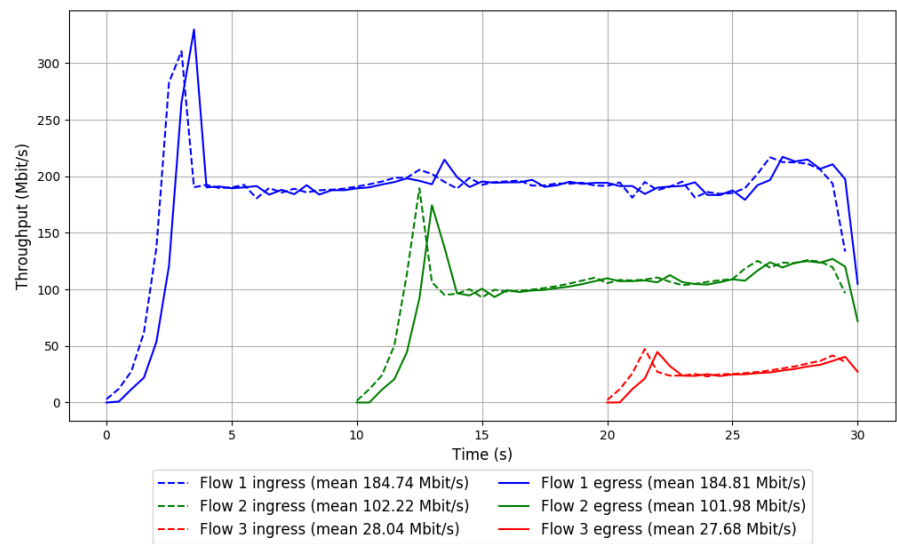
-- Flow 3:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 97.379 ms

Loss rate: 3.02%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 17:52:44

End at: 2018-07-18 17:53:14

Local clock offset: -0.048 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-18 21:55:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.36 Mbit/s

95th percentile per-packet one-way delay: 342.909 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 338.09 Mbit/s

95th percentile per-packet one-way delay: 343.616 ms

Loss rate: 5.17%

-- Flow 2:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 229.799 ms

Loss rate: 1.91%

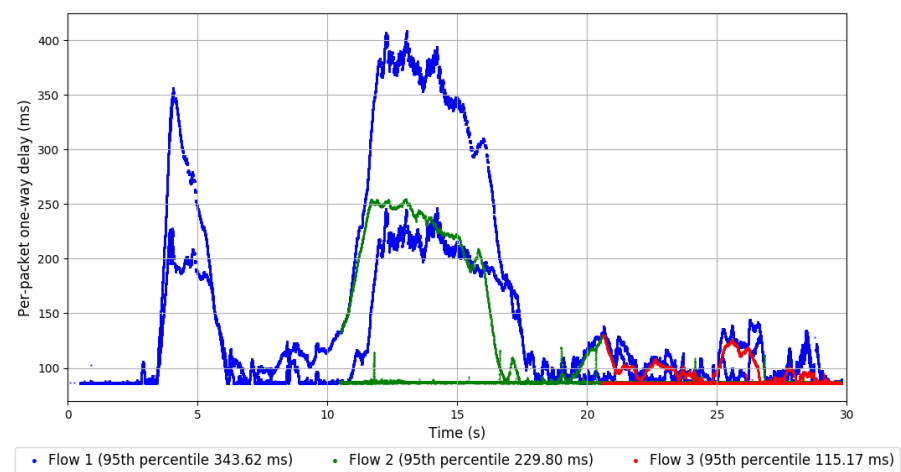
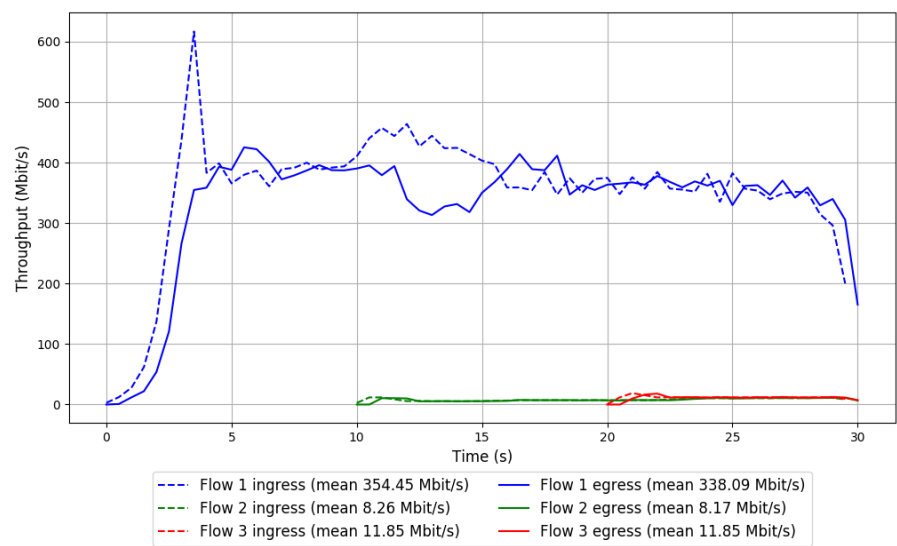
-- Flow 3:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 115.172 ms

Loss rate: 1.77%

Run 6: Report of PCC-Expr — Data Link

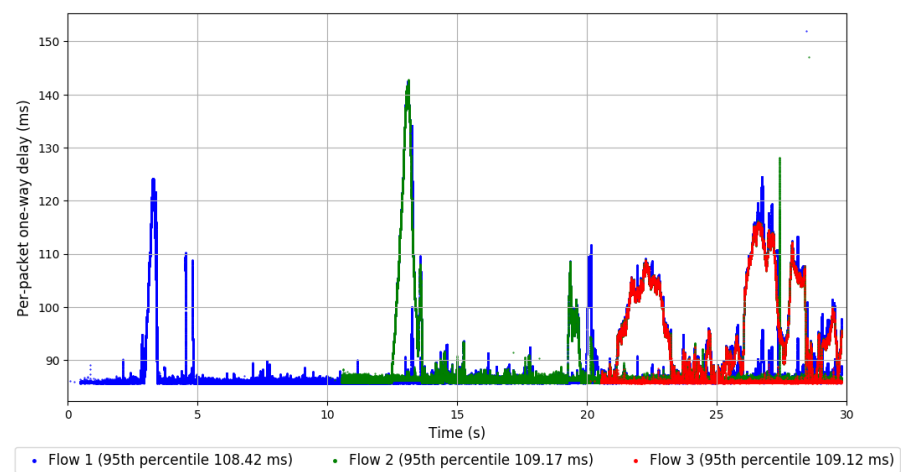
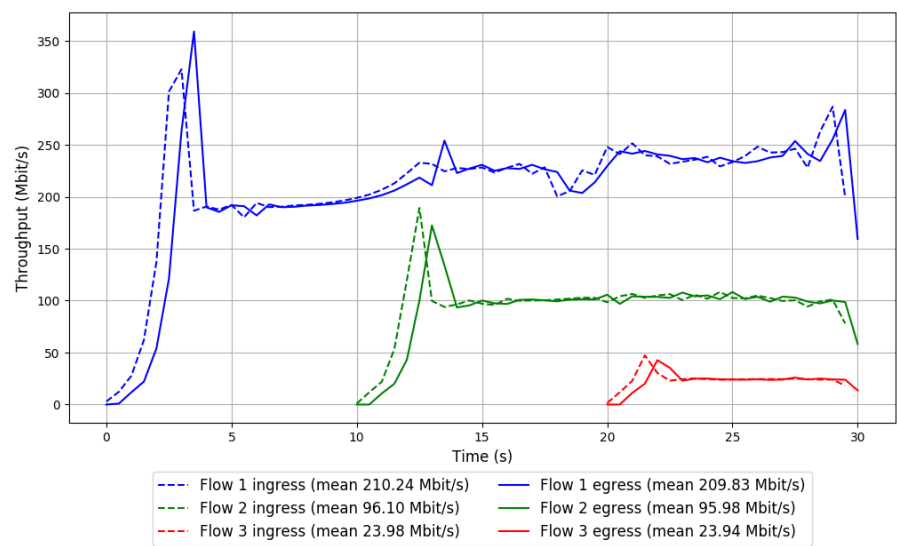


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 18:17:18
End at: 2018-07-18 18:17:48
Local clock offset: -0.324 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-18 21:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.19 Mbit/s
95th percentile per-packet one-way delay: 108.581 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 209.83 Mbit/s
95th percentile per-packet one-way delay: 108.420 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 109.175 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 109.117 ms
Loss rate: 1.92%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 18:42:09

End at: 2018-07-18 18:42:39

Local clock offset: -0.287 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-18 21:55:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.01 Mbit/s

95th percentile per-packet one-way delay: 164.749 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 172.02 Mbit/s

95th percentile per-packet one-way delay: 162.806 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 118.32 Mbit/s

95th percentile per-packet one-way delay: 167.974 ms

Loss rate: 1.97%

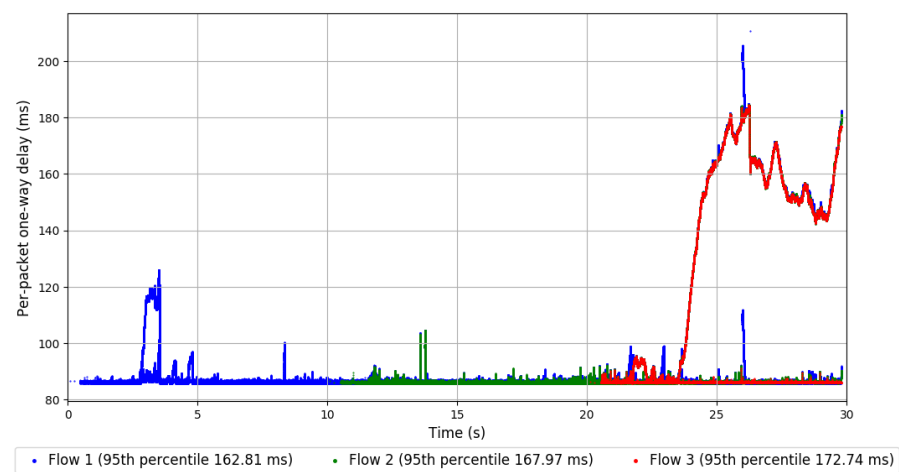
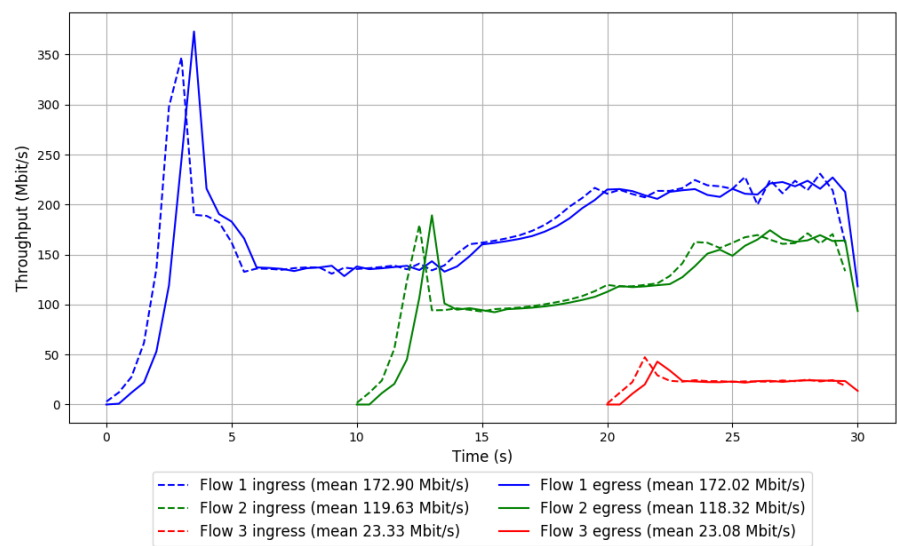
-- Flow 3:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 172.741 ms

Loss rate: 2.80%

Run 8: Report of PCC-Expr — Data Link

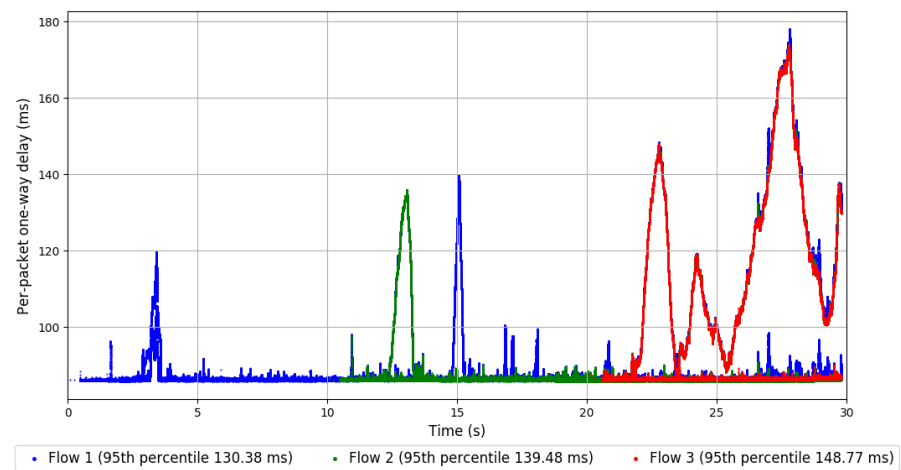
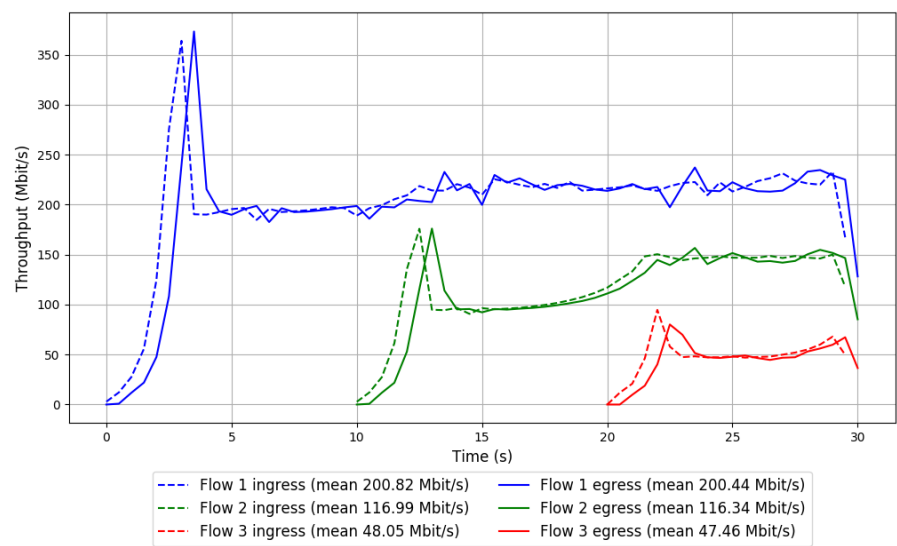


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 19:06:45
End at: 2018-07-18 19:07:15
Local clock offset: -0.304 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.09 Mbit/s
95th percentile per-packet one-way delay: 134.553 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 200.44 Mbit/s
95th percentile per-packet one-way delay: 130.377 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 116.34 Mbit/s
95th percentile per-packet one-way delay: 139.479 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 148.767 ms
Loss rate: 2.97%

Run 9: Report of PCC-Expr — Data Link

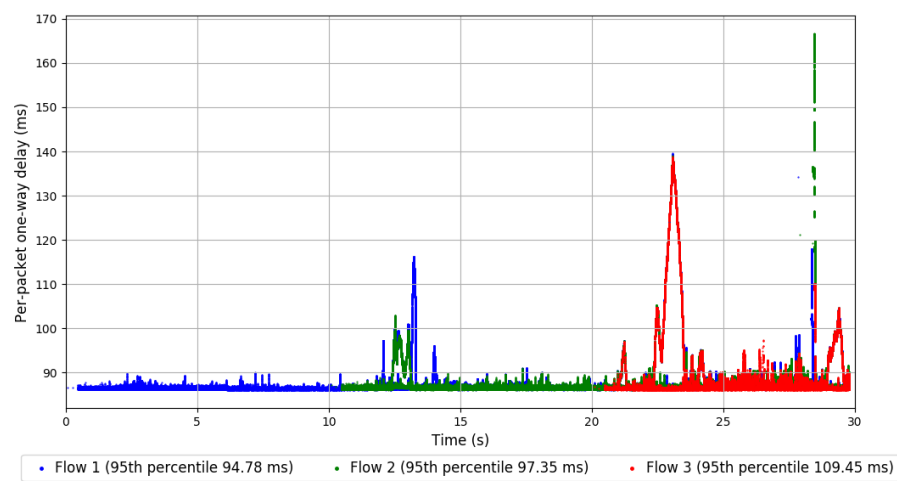
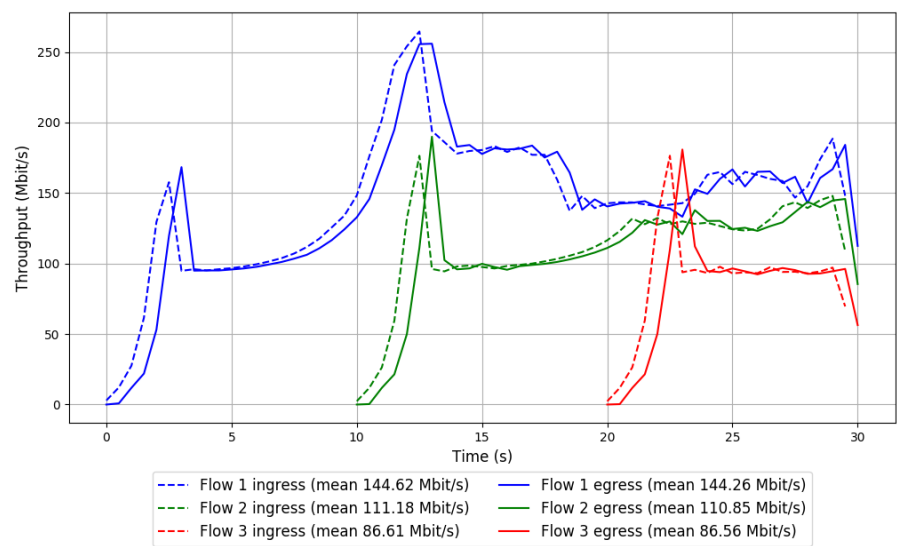


Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 19:31:47
End at: 2018-07-18 19:32:17
Local clock offset: -0.102 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.97 Mbit/s
95th percentile per-packet one-way delay: 96.912 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 144.26 Mbit/s
95th percentile per-packet one-way delay: 94.776 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 110.85 Mbit/s
95th percentile per-packet one-way delay: 97.346 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 109.451 ms
Loss rate: 1.82%

Run 10: Report of PCC-Expr — Data Link

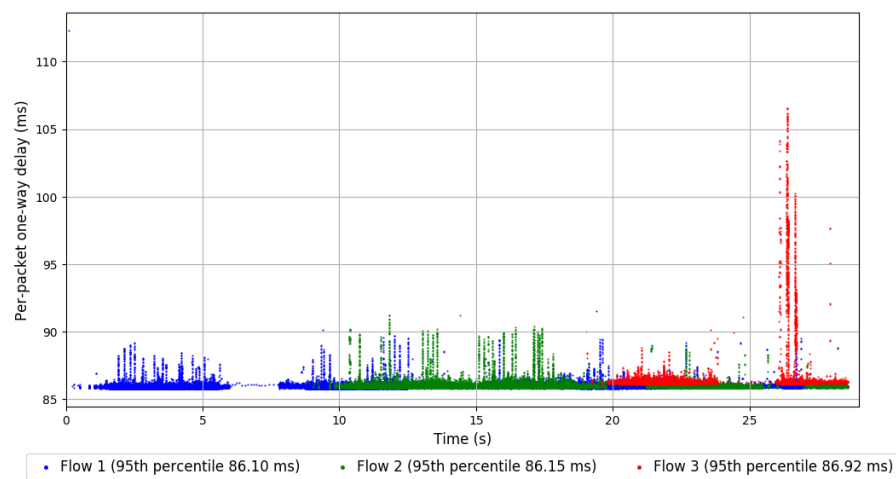
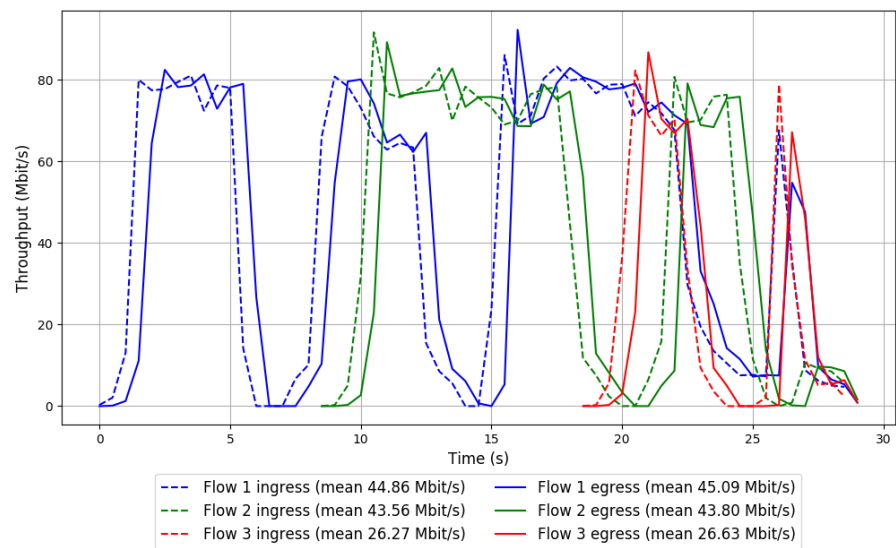


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 16:07:48
End at: 2018-07-18 16:08:18
Local clock offset: -0.384 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 86.287 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 86.147 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 86.923 ms
Loss rate: 0.42%

Run 1: Report of QUIC Cubic — Data Link

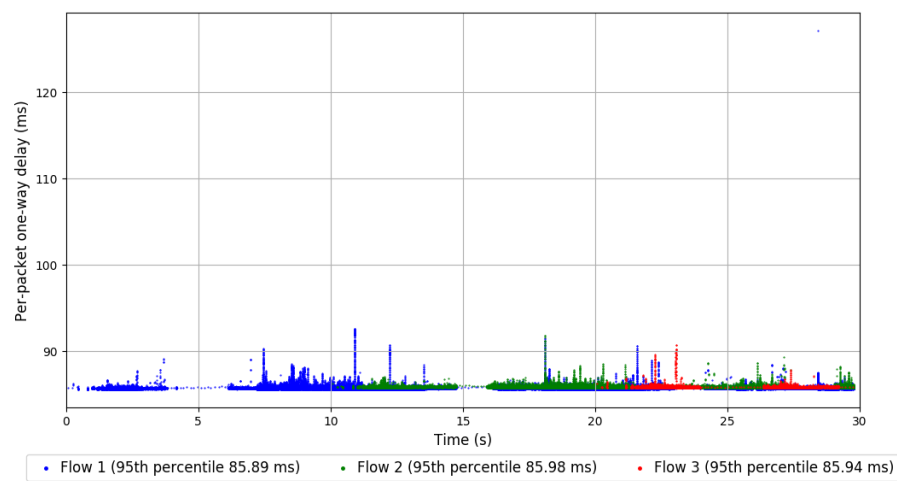
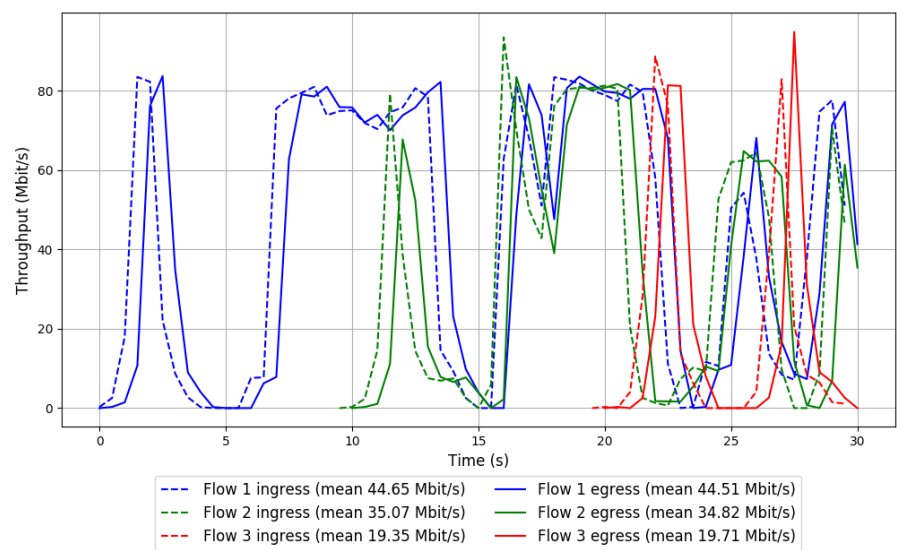


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 16:32:47
End at: 2018-07-18 16:33:17
Local clock offset: -0.509 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 85.951 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 85.895 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 85.985 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 85.944 ms
Loss rate: 0.29%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 16:57:35

End at: 2018-07-18 16:58:05

Local clock offset: 0.008 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.90 Mbit/s

95th percentile per-packet one-way delay: 86.375 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 45.96 Mbit/s

95th percentile per-packet one-way delay: 86.243 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 86.412 ms

Loss rate: 1.36%

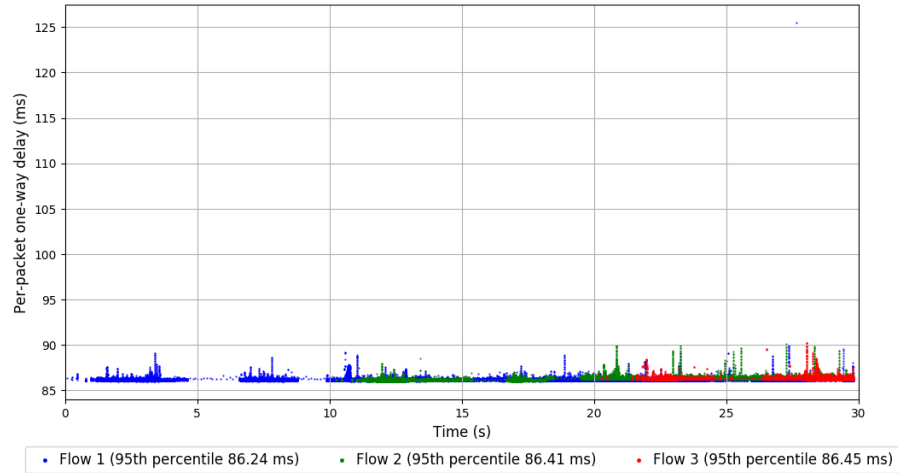
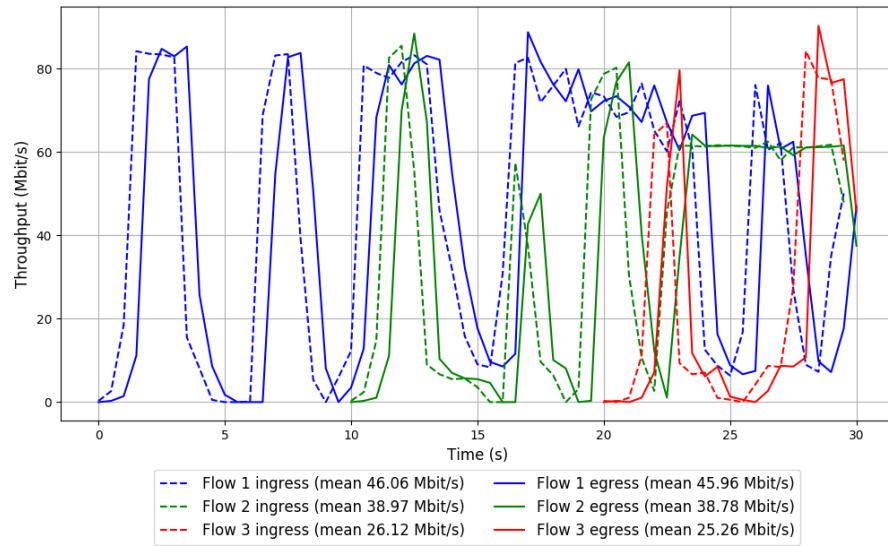
-- Flow 3:

Average throughput: 25.26 Mbit/s

95th percentile per-packet one-way delay: 86.448 ms

Loss rate: 4.99%

Run 3: Report of QUIC Cubic — Data Link

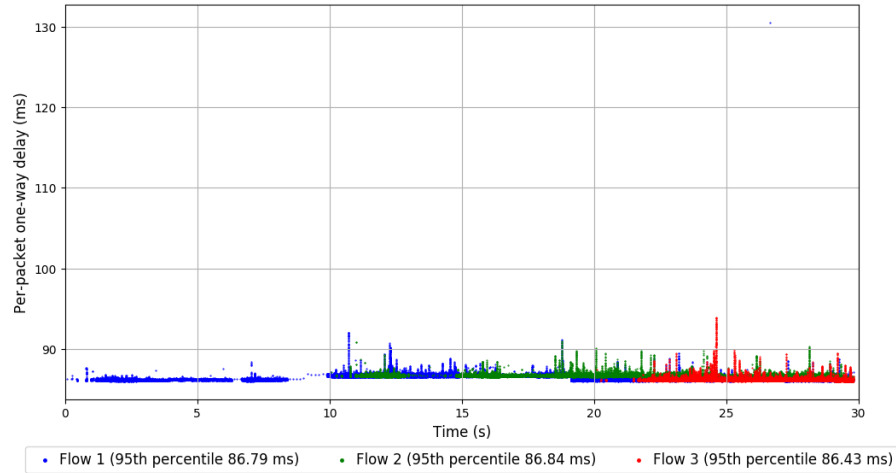
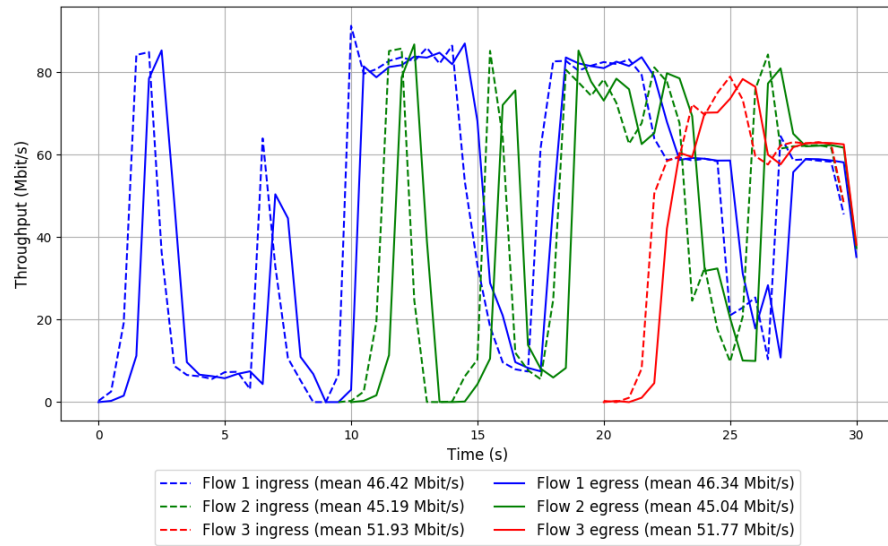


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 17:22:24
End at: 2018-07-18 17:22:54
Local clock offset: 0.024 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 86.794 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 86.841 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 2.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 17:47:05

End at: 2018-07-18 17:47:35

Local clock offset: -0.068 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 86.521 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 54.90 Mbit/s

95th percentile per-packet one-way delay: 86.174 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 86.218 ms

Loss rate: 1.27%

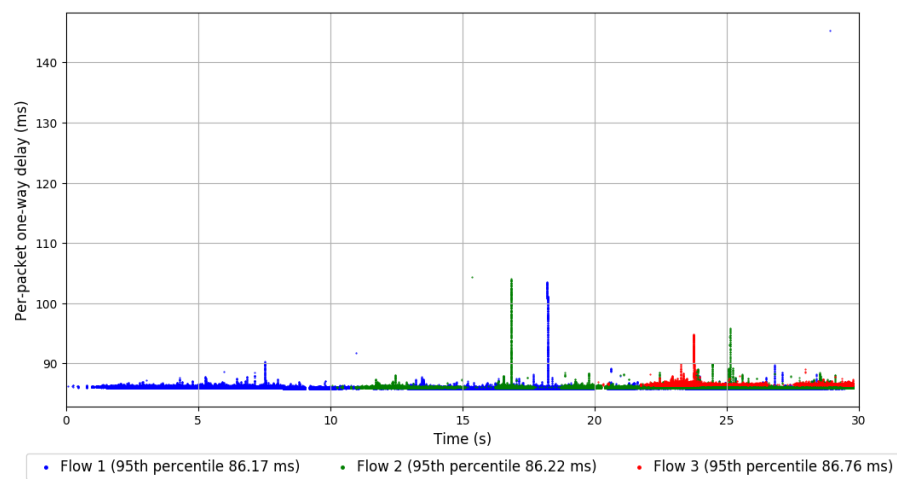
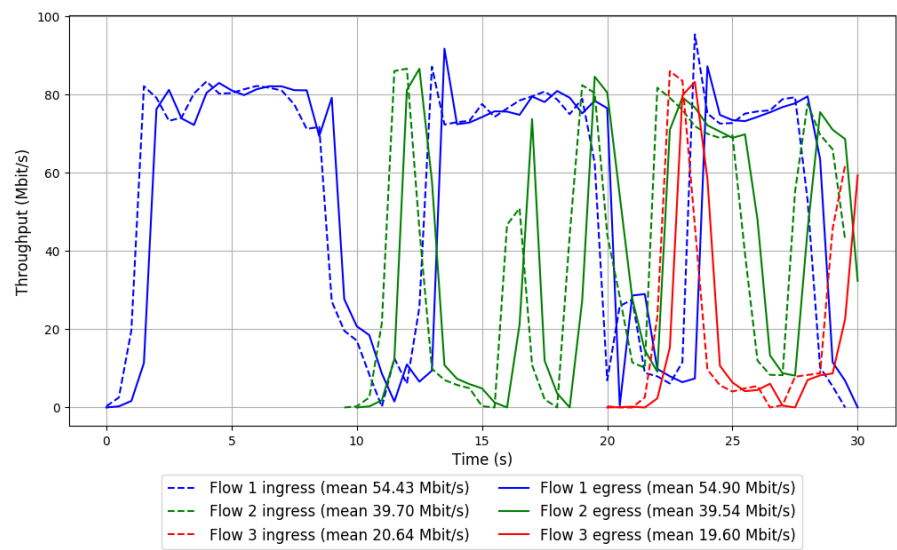
-- Flow 3:

Average throughput: 19.60 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 6.73%

Run 5: Report of QUIC Cubic — Data Link

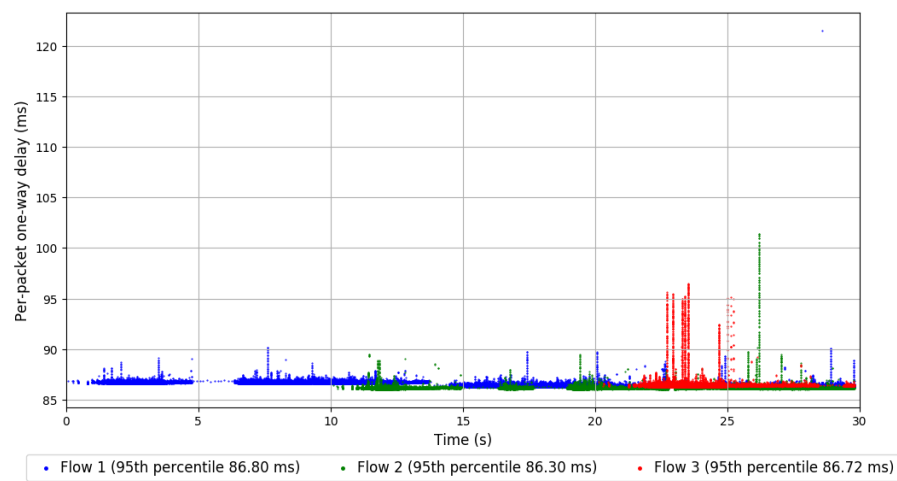
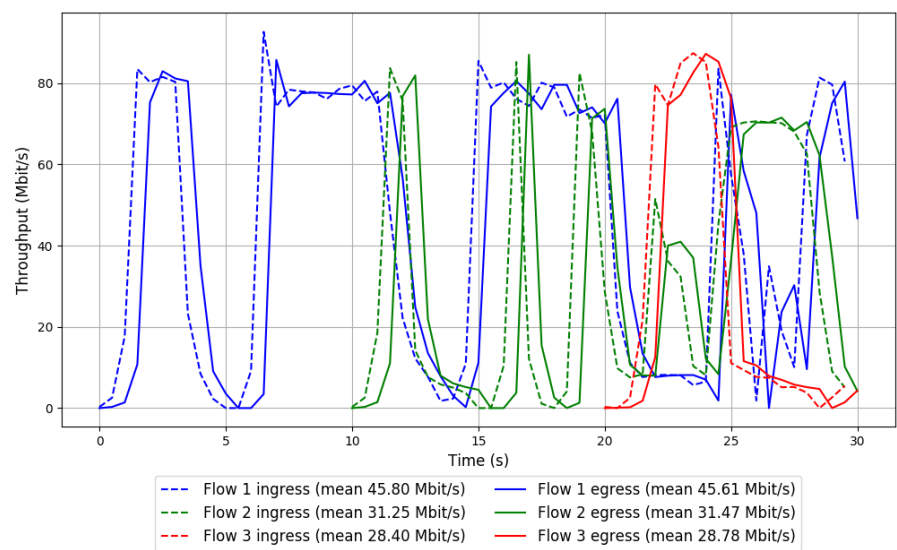


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 18:11:39
End at: 2018-07-18 18:12:09
Local clock offset: 0.093 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 45.61 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 86.299 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.43%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 18:36:30

End at: 2018-07-18 18:37:00

Local clock offset: -0.191 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.87 Mbit/s

95th percentile per-packet one-way delay: 86.409 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 86.183 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 1.05%

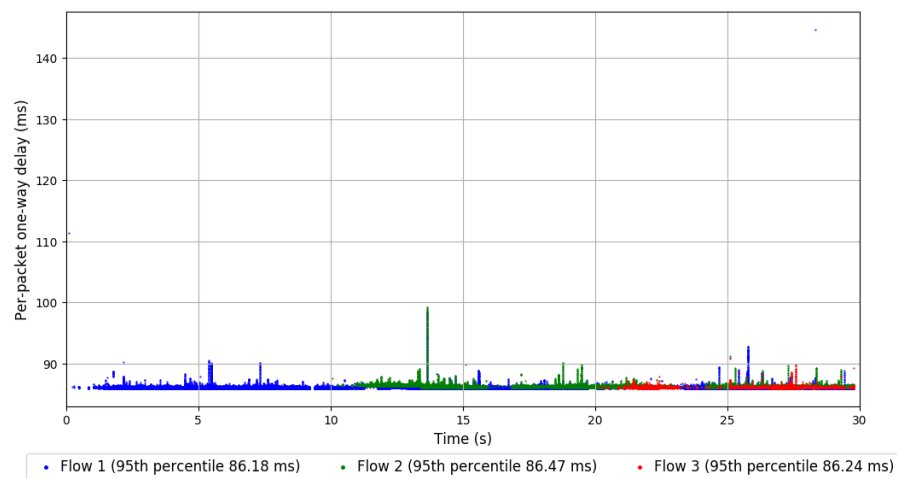
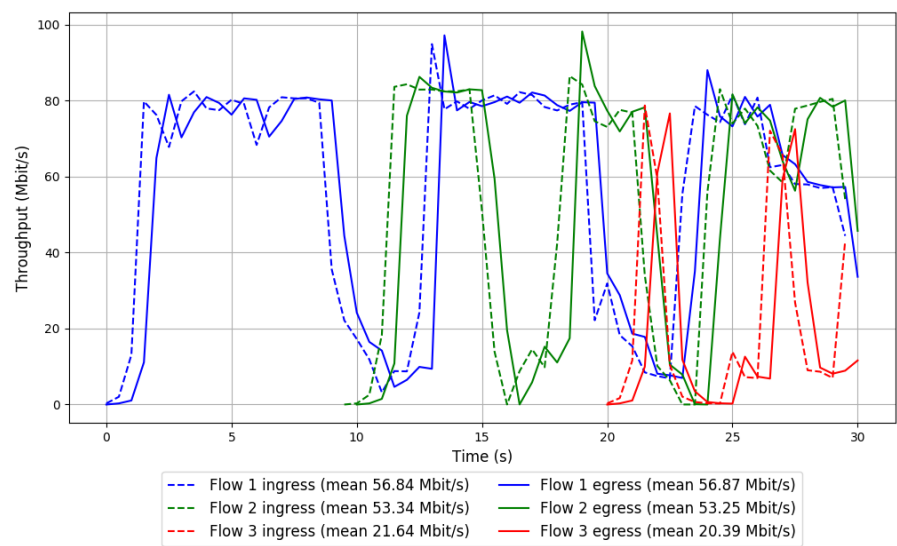
-- Flow 3:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 86.243 ms

Loss rate: 7.40%

Run 7: Report of QUIC Cubic — Data Link

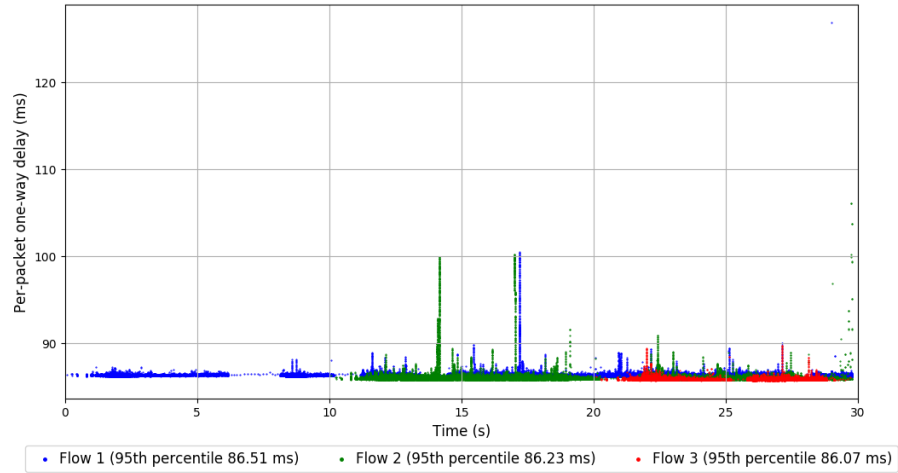
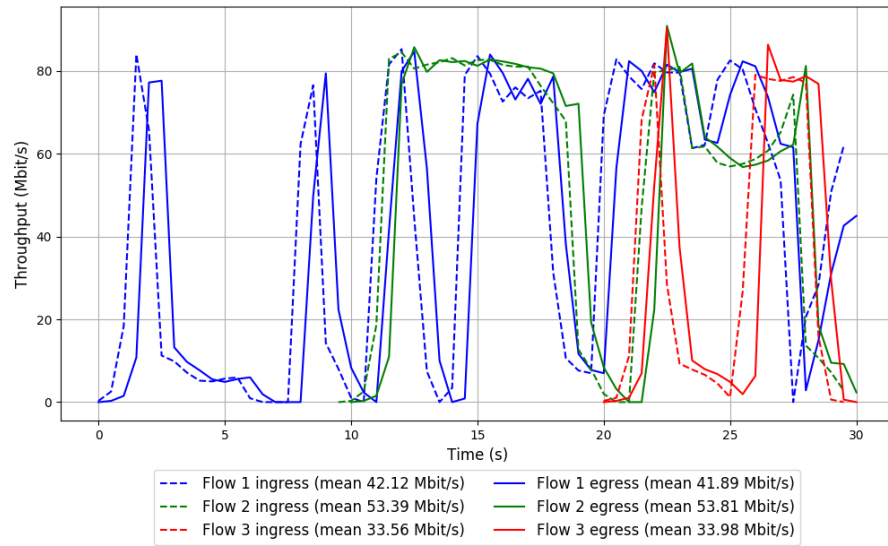


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 19:01:06
End at: 2018-07-18 19:01:36
Local clock offset: -0.271 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 86.466 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 86.227 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 86.071 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

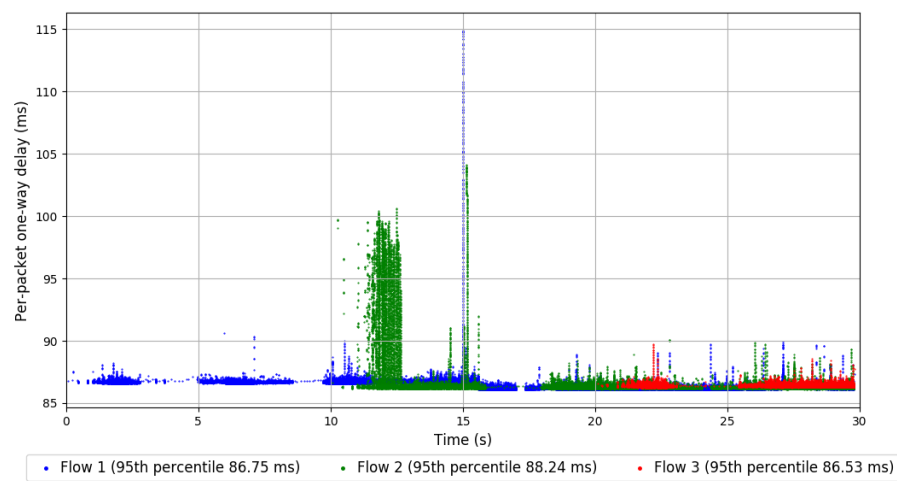
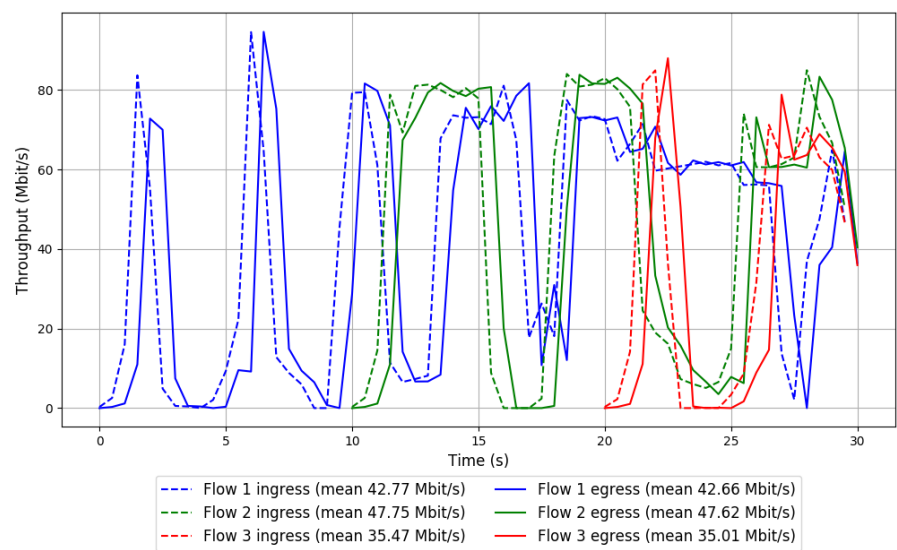


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 19:26:08
End at: 2018-07-18 19:26:38
Local clock offset: -0.046 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 86.764 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 88.239 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 3.02%

Run 9: Report of QUIC Cubic — Data Link

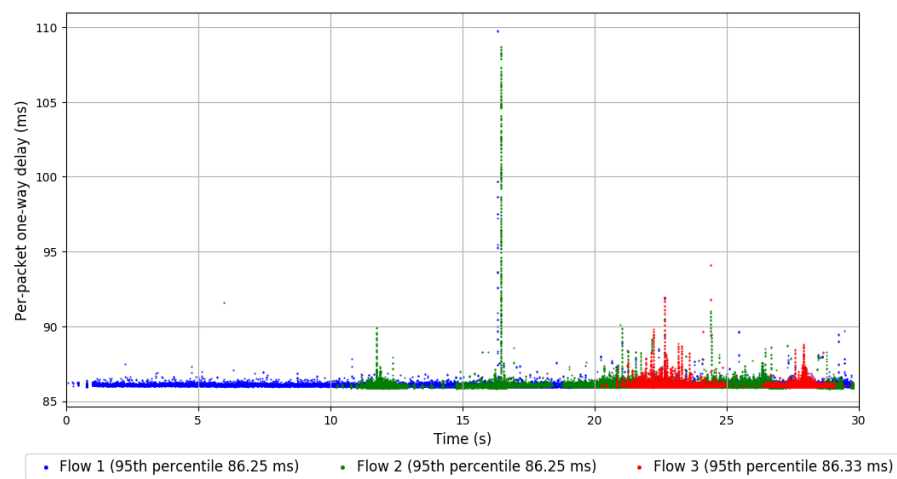
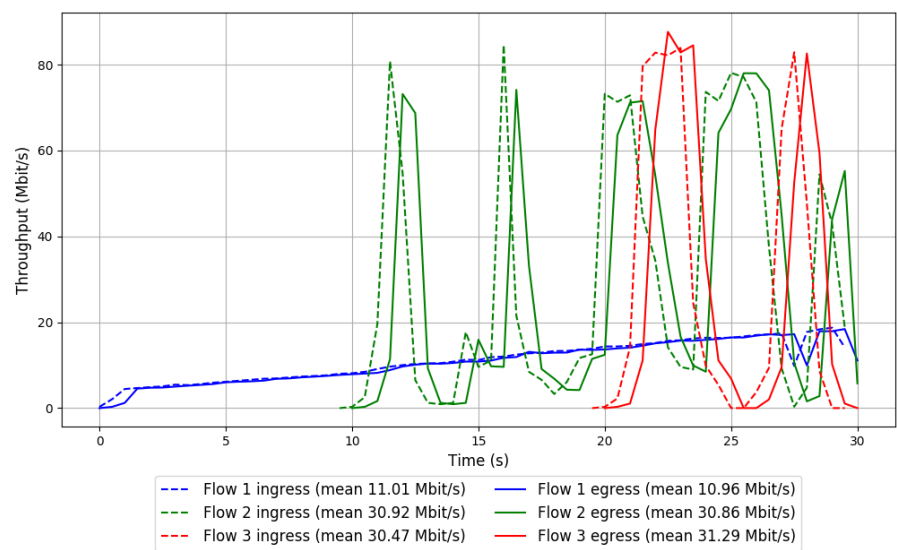


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 19:51:07
End at: 2018-07-18 19:51:37
Local clock offset: -0.143 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 86.246 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 86.325 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

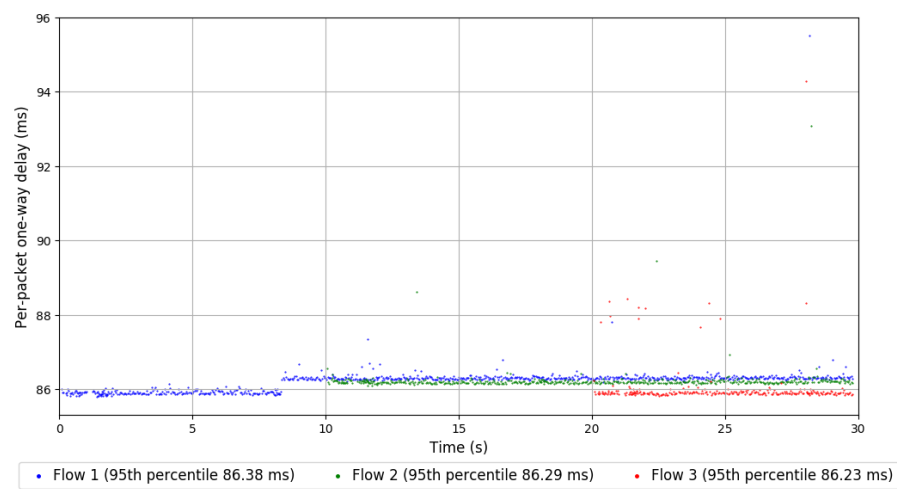
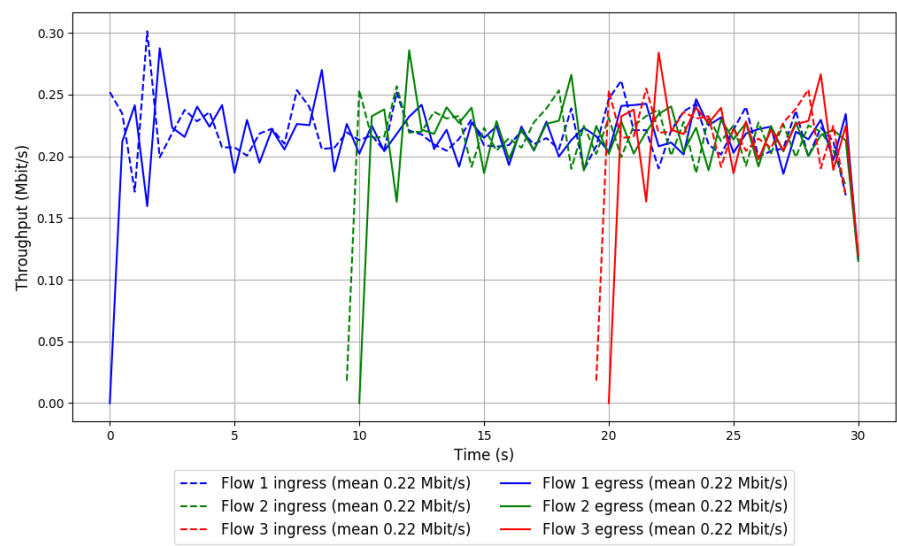


```
Run 1: Statistics of SReAM

Start at: 2018-07-18 15:56:55
End at: 2018-07-18 15:57:25
Local clock offset: -0.431 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-07-18 21:59:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.287 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.232 ms
Loss rate: 1.85%
```


Run 1: Report of SReAM — Data Link

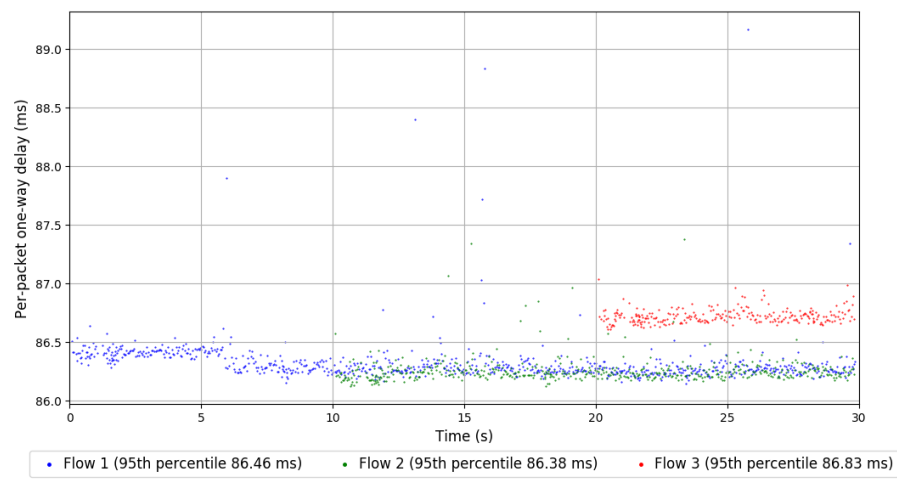
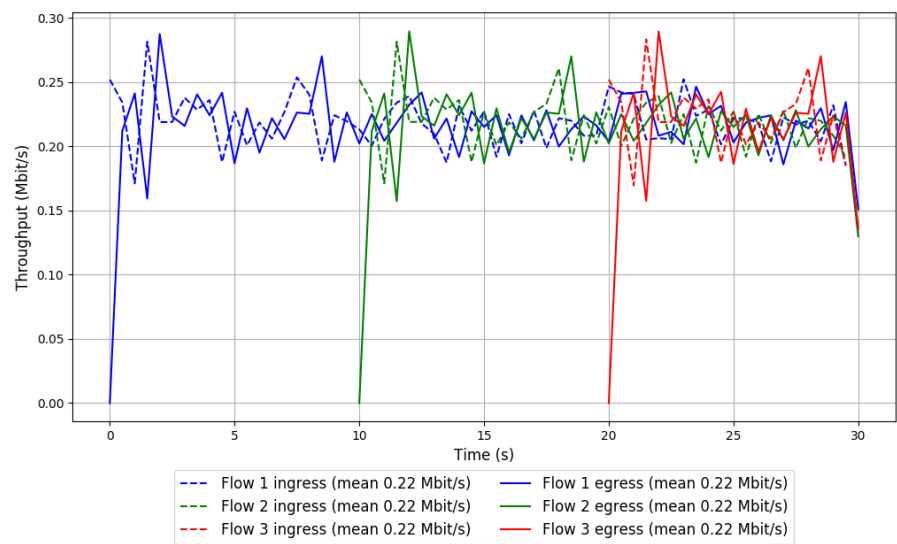


Run 2: Statistics of SReAM

Start at: 2018-07-18 16:21:47
End at: 2018-07-18 16:22:17
Local clock offset: -0.061 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.464 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 1.85%

Run 2: Report of SReAM — Data Link

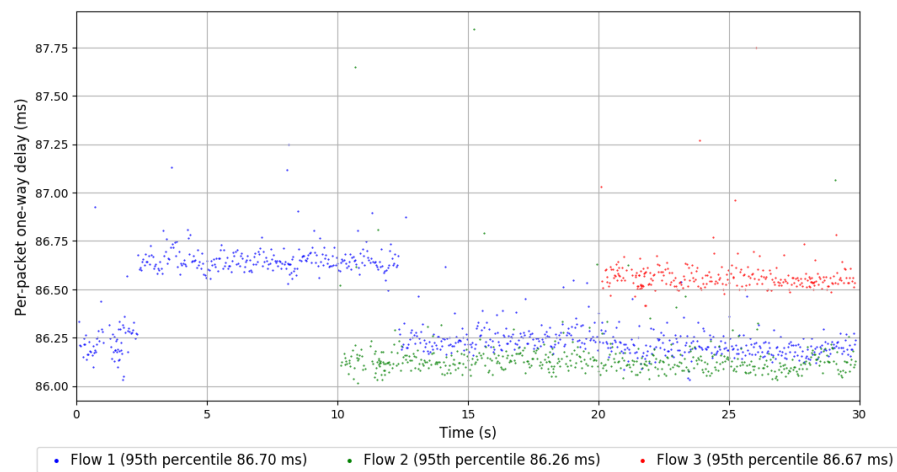
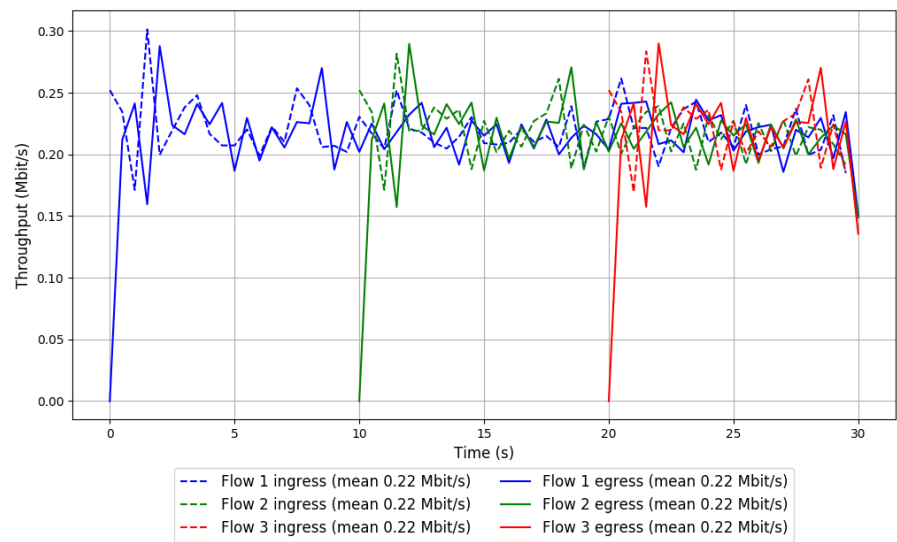


Run 3: Statistics of SReAM

Start at: 2018-07-18 16:46:31
End at: 2018-07-18 16:47:01
Local clock offset: -0.168 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.257 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.667 ms
Loss rate: 1.85%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-18 17:11:27

End at: 2018-07-18 17:11:57

Local clock offset: -0.005 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.648 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.523 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.663 ms

Loss rate: 0.82%

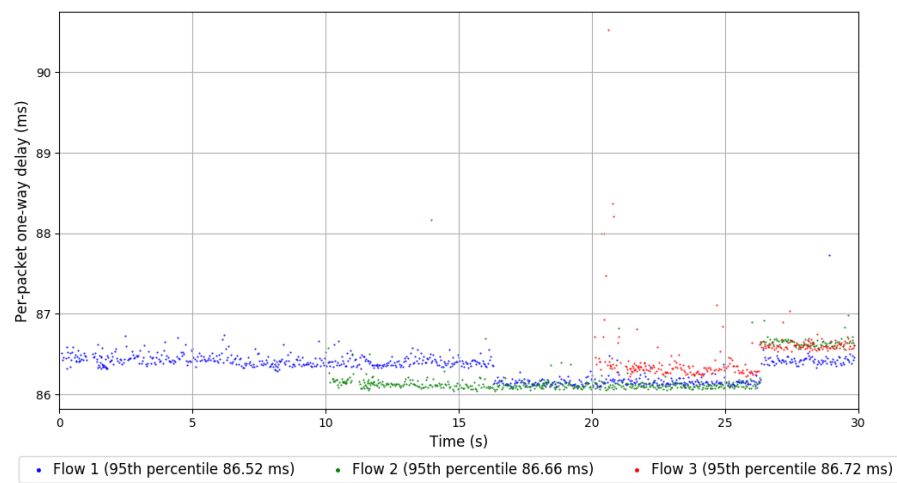
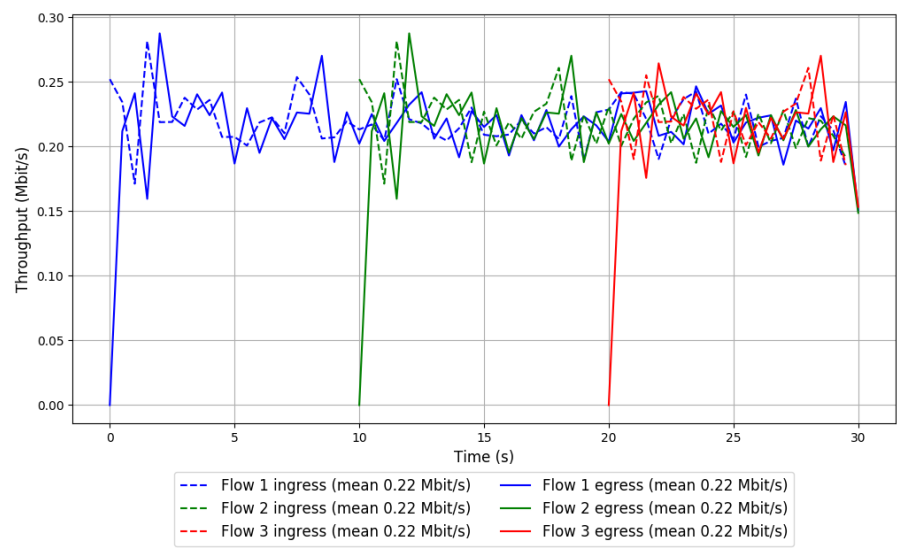
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.716 ms

Loss rate: 1.46%

Run 4: Report of SReAM — Data Link

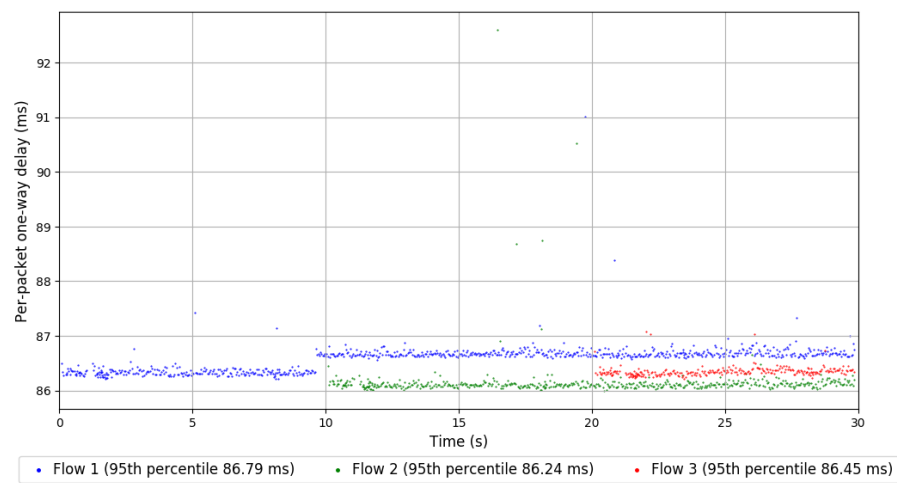
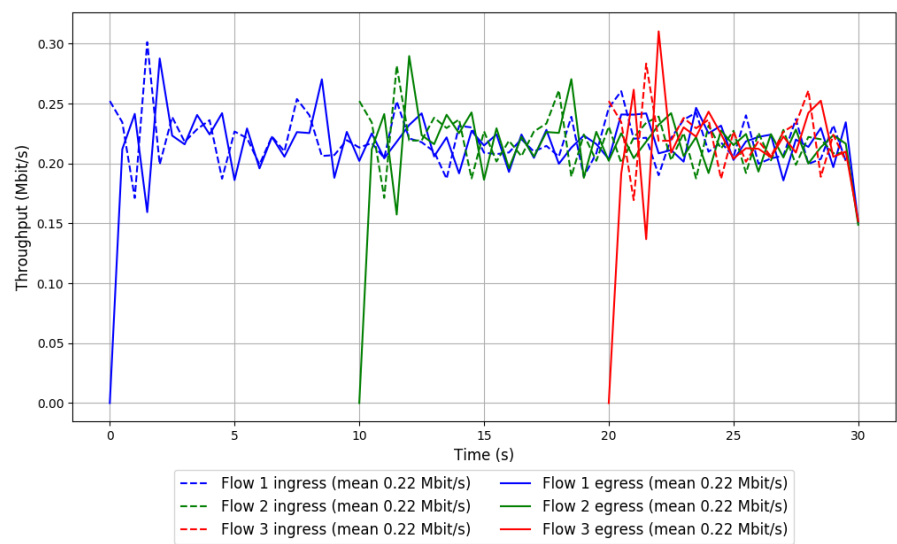


Run 5: Statistics of SReAM

Start at: 2018-07-18 17:36:04
End at: 2018-07-18 17:36:34
Local clock offset: -0.096 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.751 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.238 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 2.22%

Run 5: Report of SReAM — Data Link

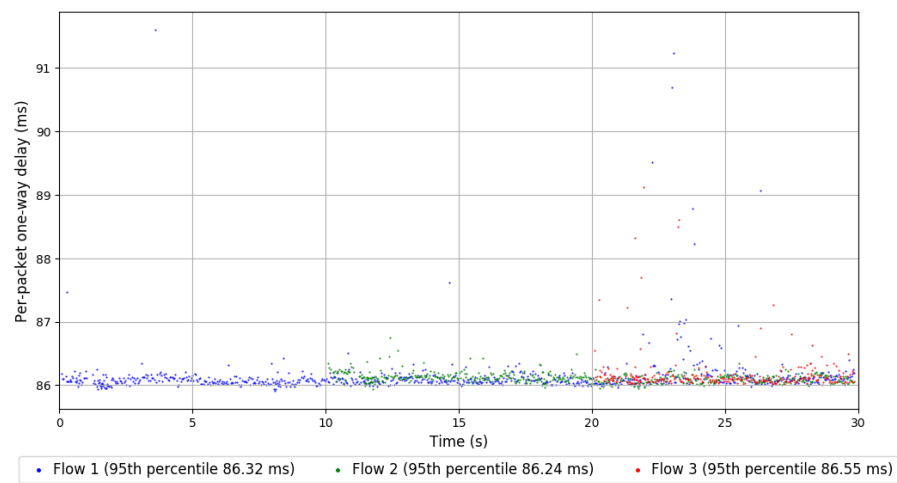
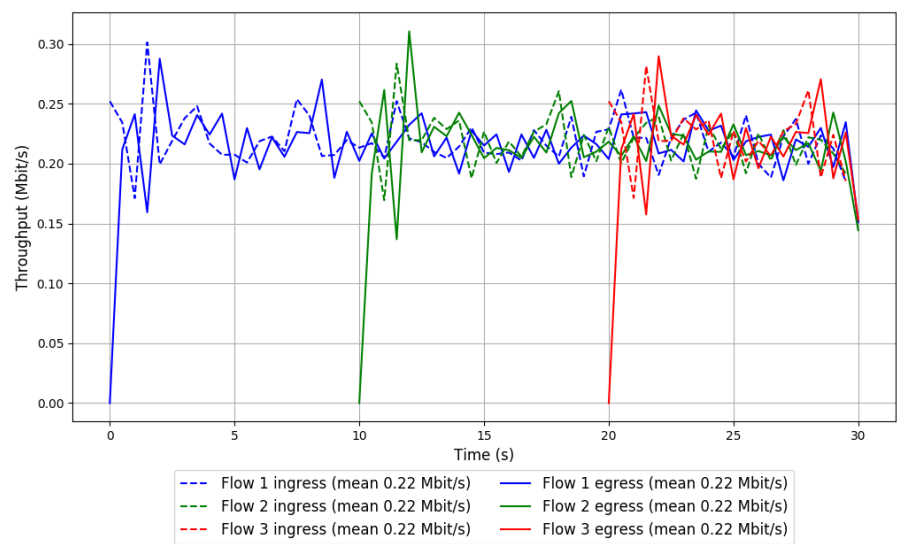


Run 6: Statistics of SReAM

Start at: 2018-07-18 18:00:46
End at: 2018-07-18 18:01:16
Local clock offset: -0.15 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.241 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.552 ms
Loss rate: 1.46%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-18 18:25:30

End at: 2018-07-18 18:26:00

Local clock offset: -0.09 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.698 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.348 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.305 ms

Loss rate: 0.82%

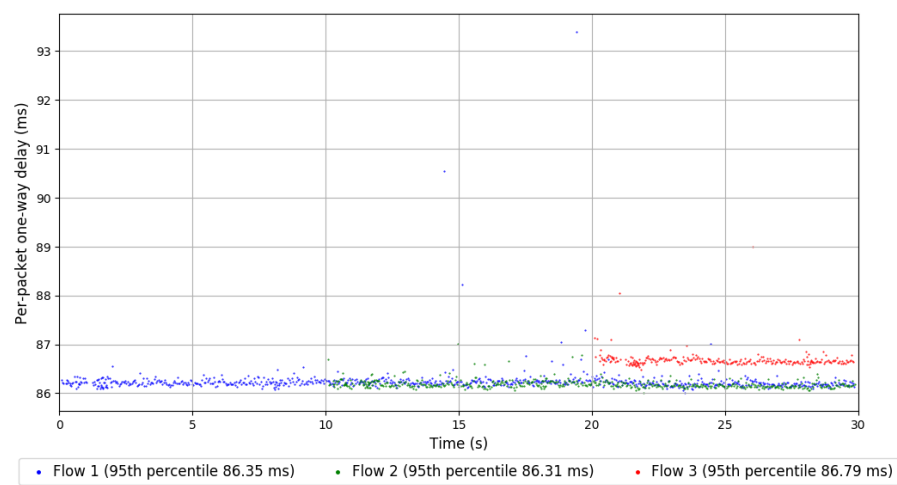
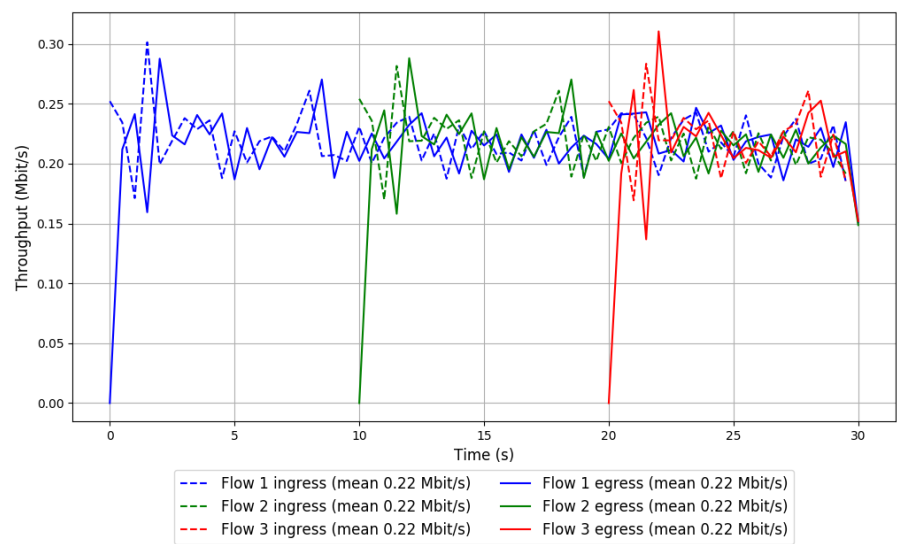
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.792 ms

Loss rate: 1.85%

Run 7: Report of SReAM — Data Link

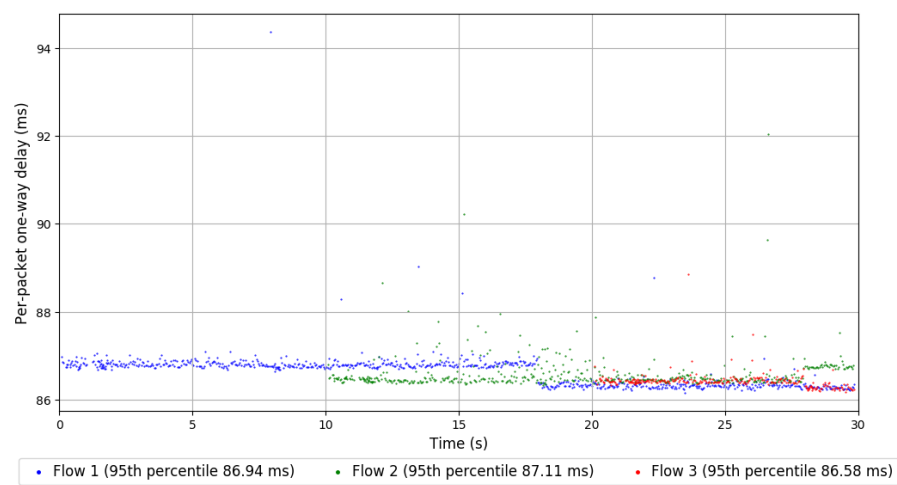
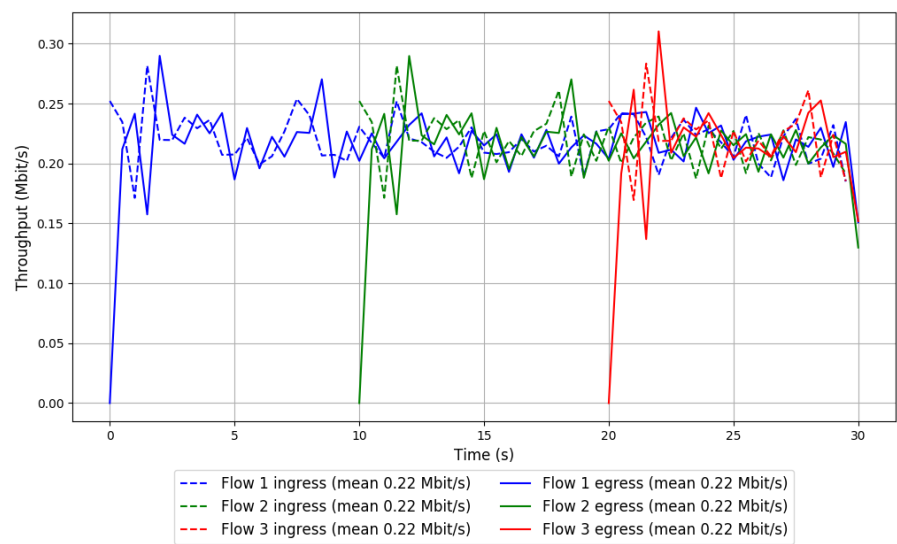


Run 8: Statistics of SReAM

Start at: 2018-07-18 18:50:15
End at: 2018-07-18 18:50:45
Local clock offset: -0.045 ms
Remote clock offset: 0.008 ms

```
# Below is generated by plot.py at 2018-07-18 21:59:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.105 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.584 ms
Loss rate: 1.85%
```

Run 8: Report of SCRaM — Data Link

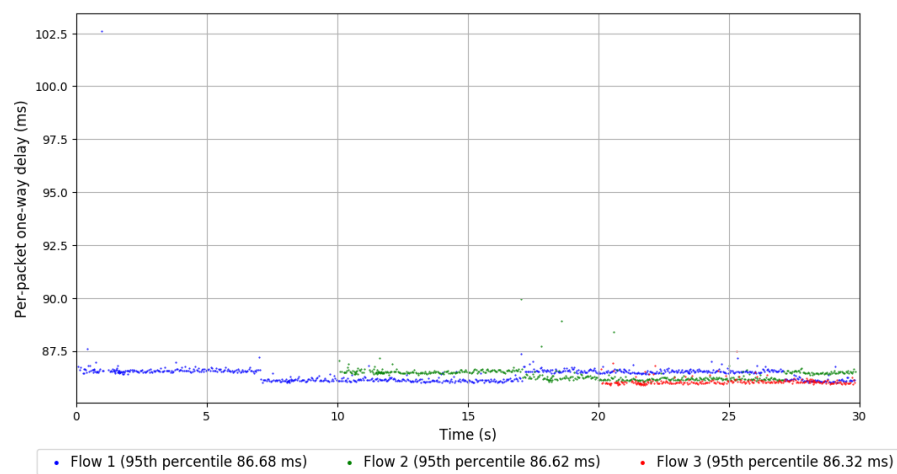
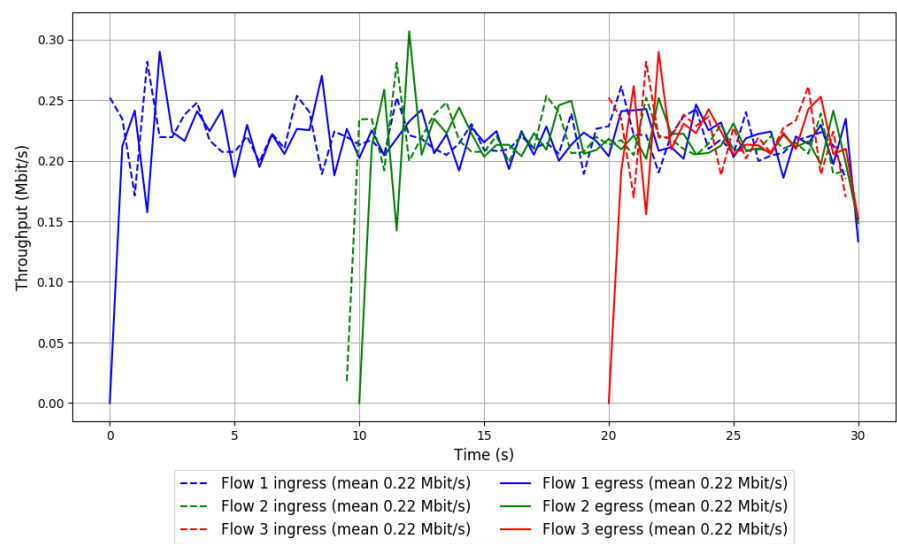


Run 9: Statistics of SReAM

Start at: 2018-07-18 19:15:06
End at: 2018-07-18 19:15:36
Local clock offset: -0.307 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.648 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.320 ms
Loss rate: 1.50%

Run 9: Report of SCSReAM — Data Link

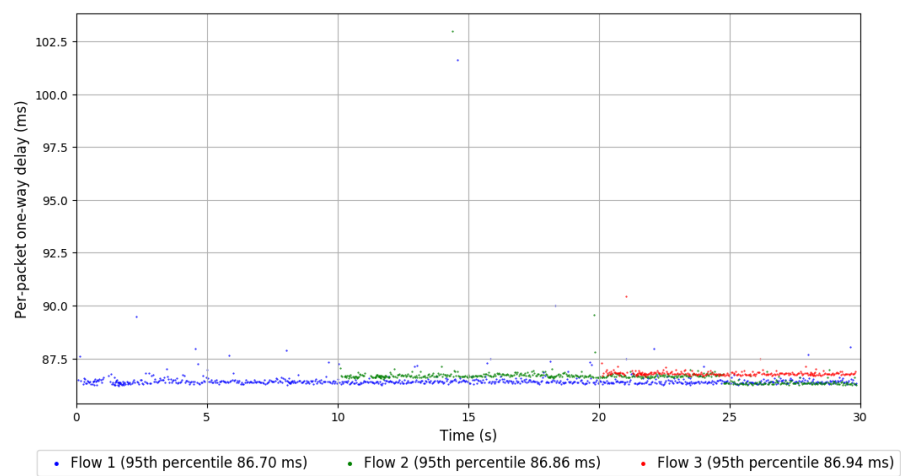
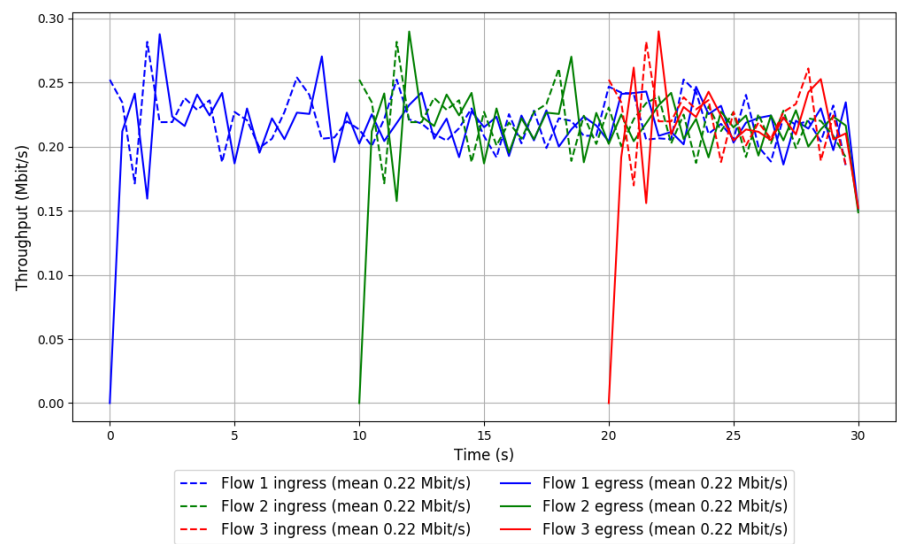


Run 10: Statistics of SReAM

Start at: 2018-07-18 19:40:09
End at: 2018-07-18 19:40:39
Local clock offset: 0.012 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.945 ms
Loss rate: 1.85%

Run 10: Report of SReAM — Data Link

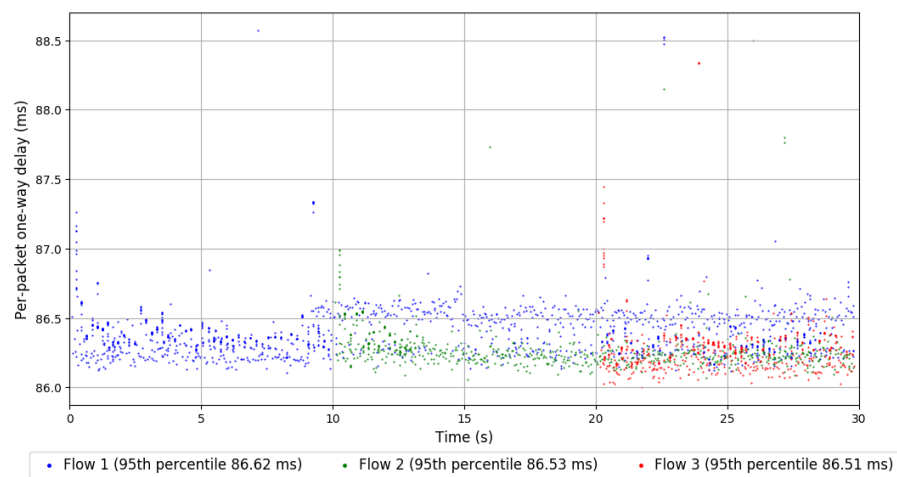
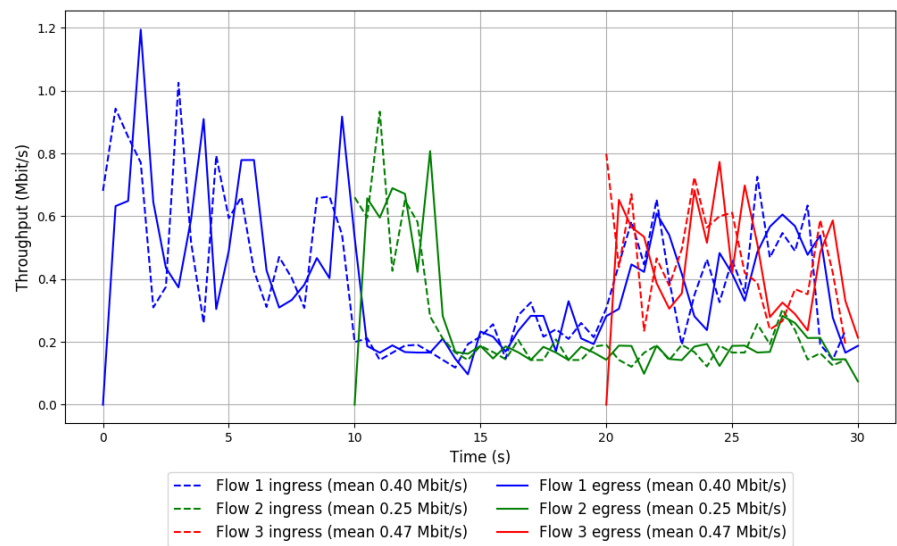


Run 1: Statistics of Sprout

Start at: 2018-07-18 15:55:44
End at: 2018-07-18 15:56:14
Local clock offset: -0.21 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 86.608 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.77%

Run 1: Report of Sprout — Data Link

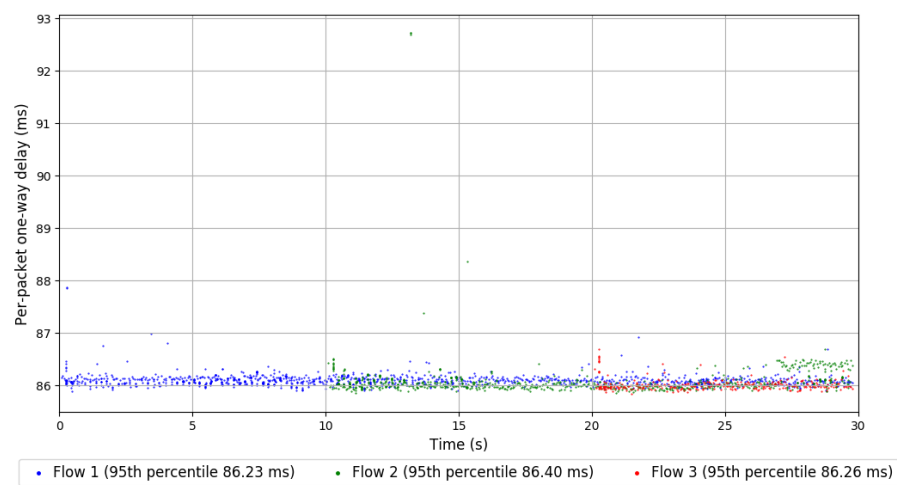
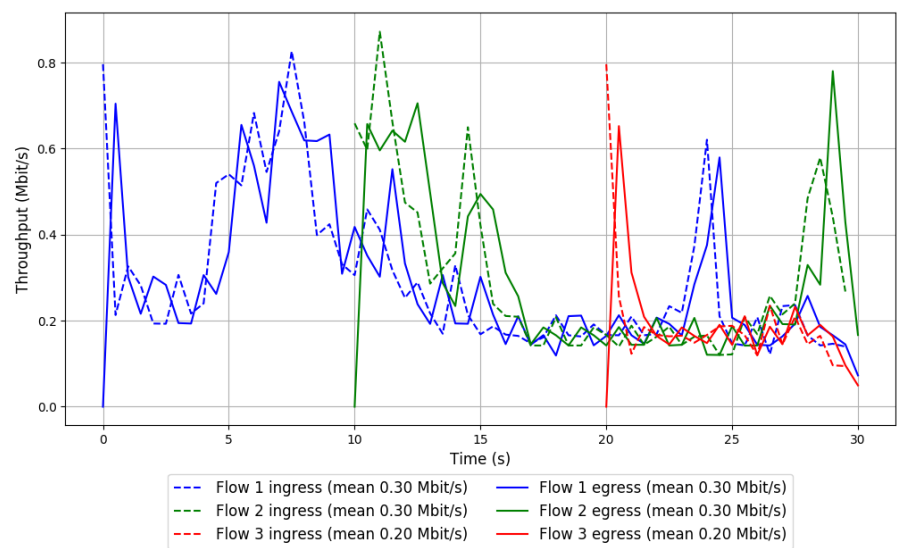


Run 2: Statistics of Sprout

Start at: 2018-07-18 16:20:36
End at: 2018-07-18 16:21:06
Local clock offset: -0.346 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.316 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.229 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.263 ms
Loss rate: 1.22%

Run 2: Report of Sprout — Data Link

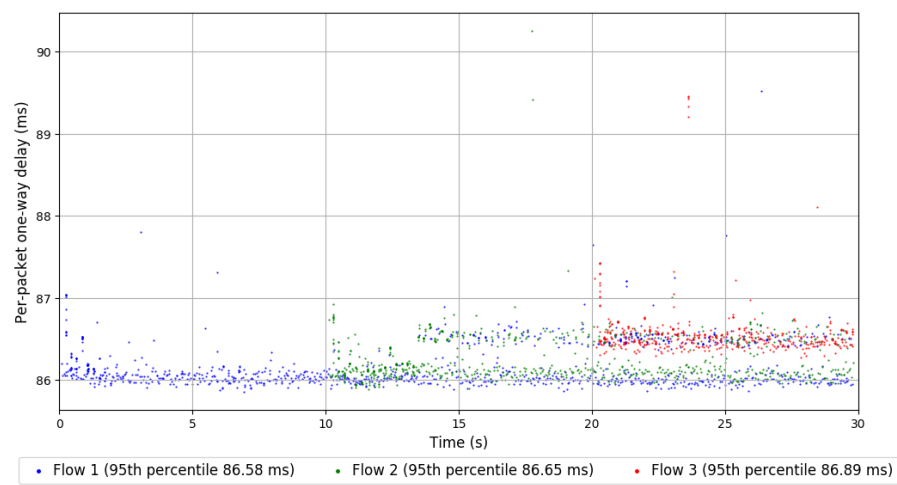
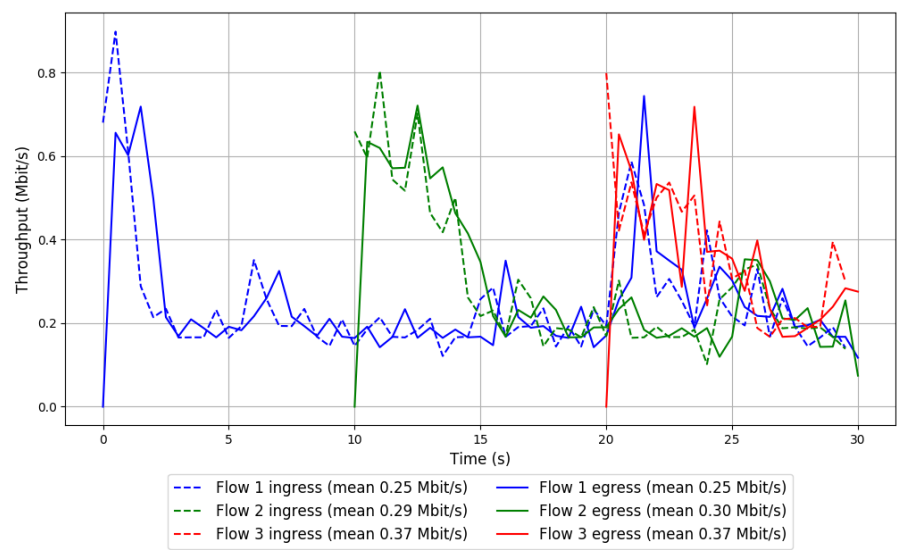


Run 3: Statistics of Sprout

Start at: 2018-07-18 16:45:20
End at: 2018-07-18 16:45:50
Local clock offset: -0.254 ms
Remote clock offset: 0.045 ms

```
# Below is generated by plot.py at 2018-07-18 21:59:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.583 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.894 ms
Loss rate: 1.87%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-18 17:10:16

End at: 2018-07-18 17:10:46

Local clock offset: -0.16 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-18 21:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 86.373 ms

Loss rate: 0.16%

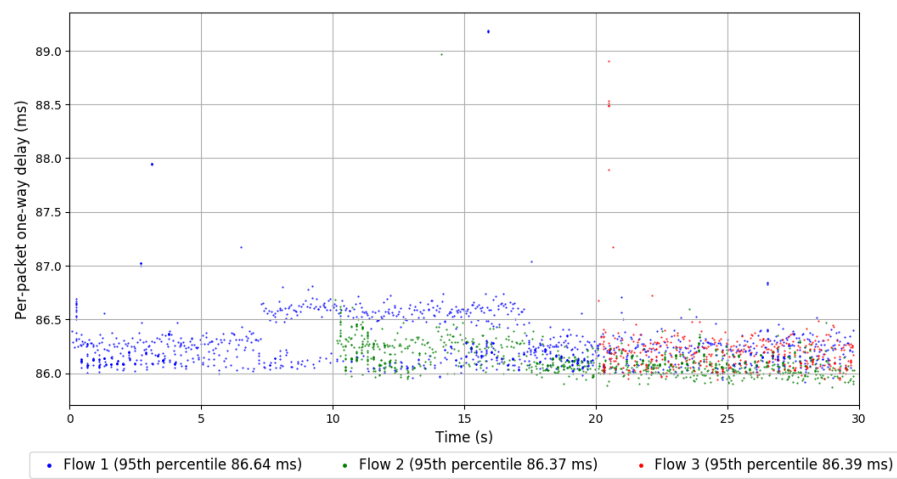
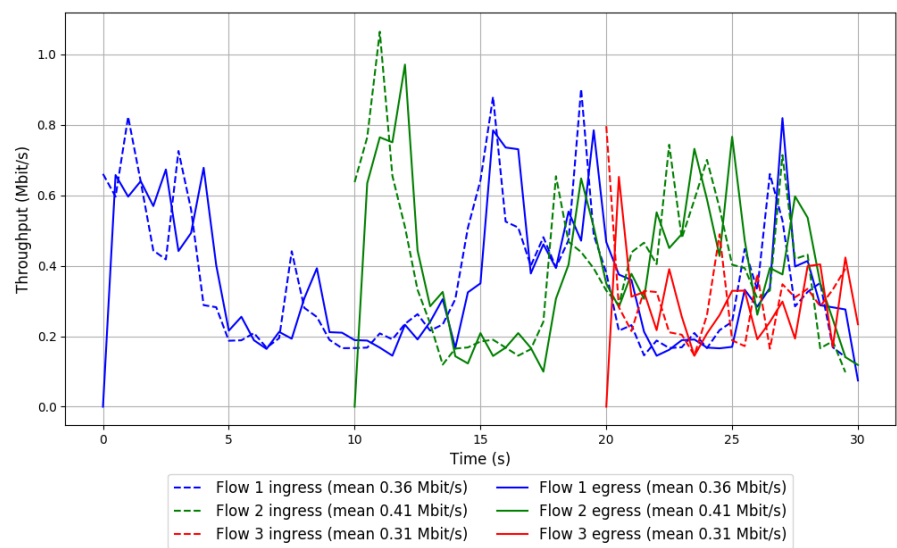
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 86.385 ms

Loss rate: 2.97%

Run 4: Report of Sprout — Data Link

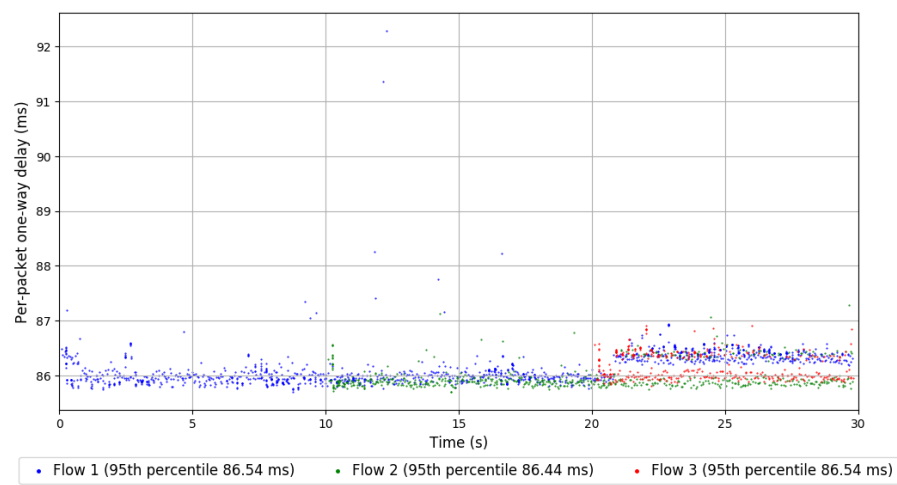
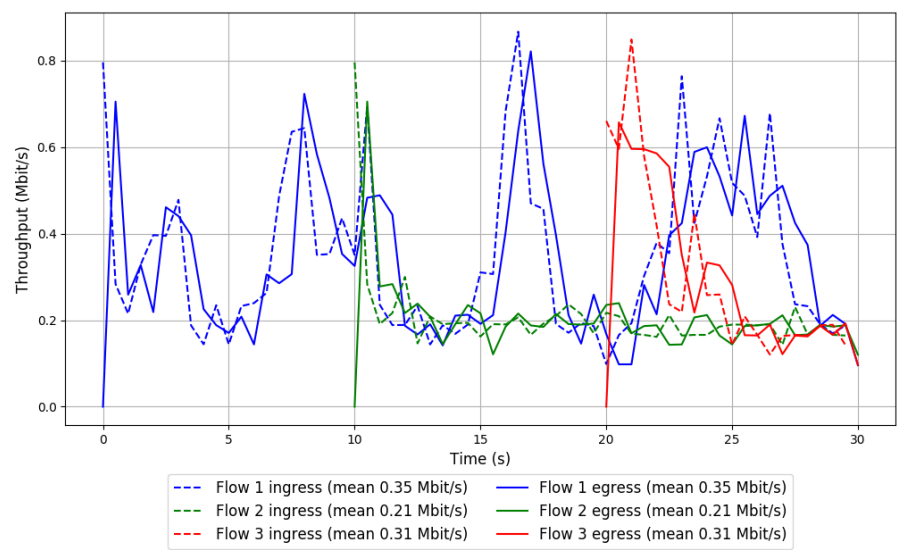


Run 5: Statistics of Sprout

Start at: 2018-07-18 17:34:52
End at: 2018-07-18 17:35:22
Local clock offset: -0.389 ms
Remote clock offset: -0.116 ms

```
# Below is generated by plot.py at 2018-07-18 21:59:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 86.520 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.537 ms
Loss rate: 1.11%
```

Run 5: Report of Sprout — Data Link

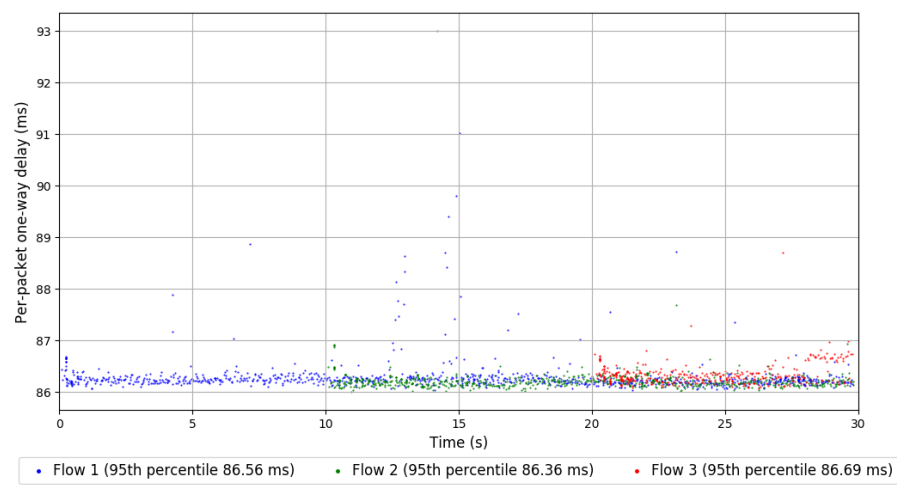
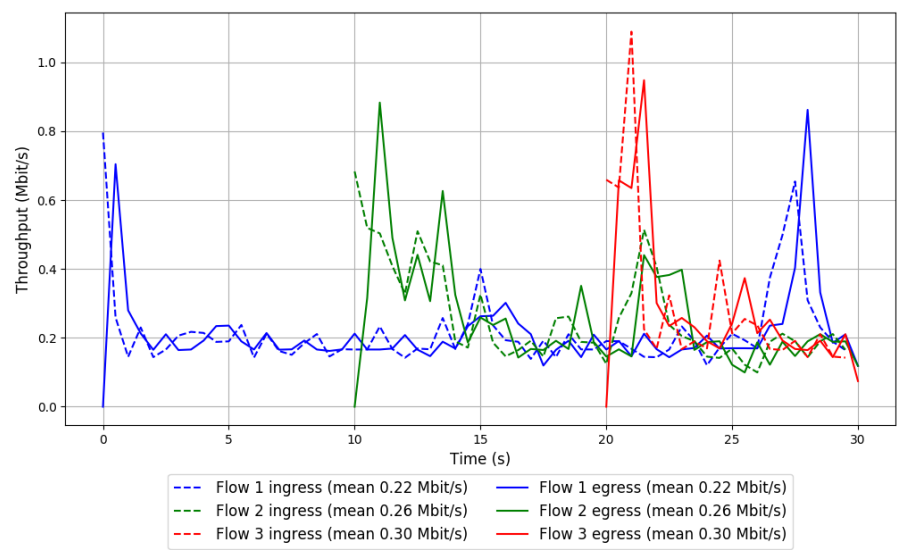


Run 6: Statistics of Sprout

Start at: 2018-07-18 17:59:35
End at: 2018-07-18 18:00:05
Local clock offset: -0.043 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-18 21:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 1.20%

Run 6: Report of Sprout — Data Link

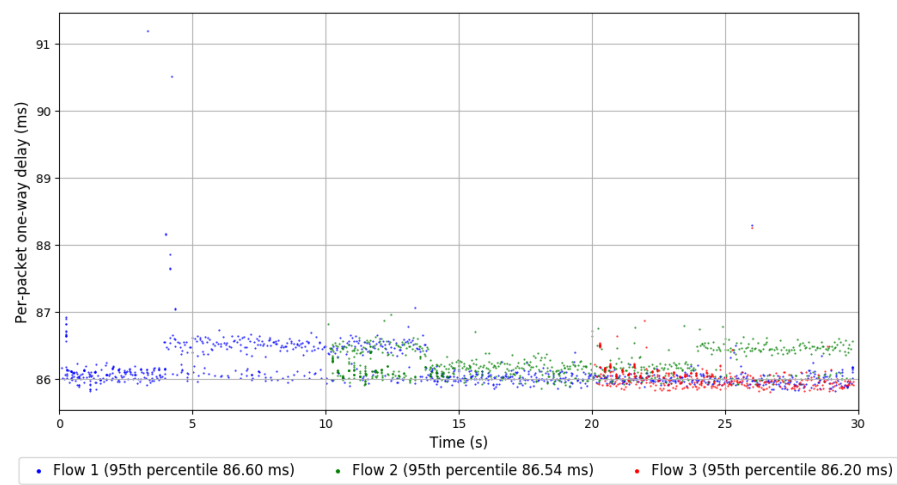
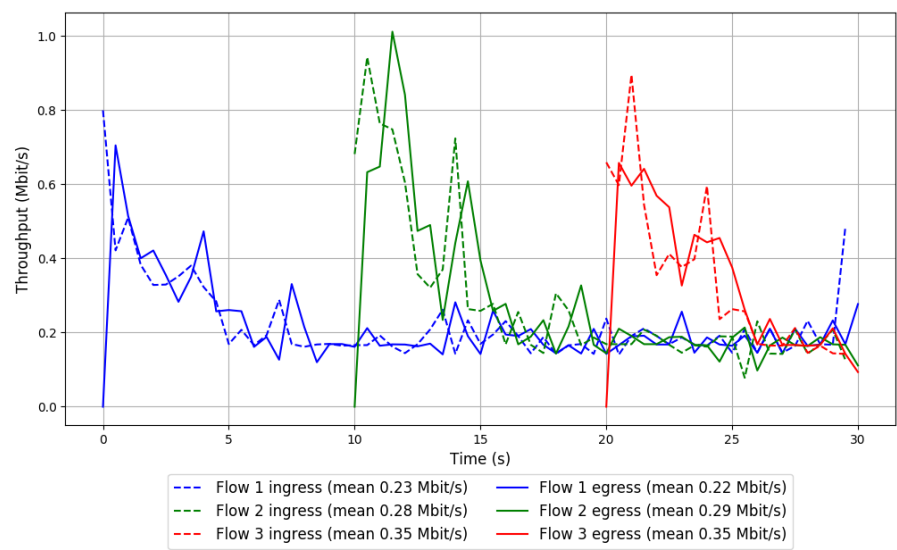


Run 7: Statistics of Sprout

Start at: 2018-07-18 18:24:19
End at: 2018-07-18 18:24:49
Local clock offset: -0.237 ms
Remote clock offset: 0.003 ms

```
# Below is generated by plot.py at 2018-07-18 21:59:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.544 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 0.76%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-18 18:49:04

End at: 2018-07-18 18:49:34

Local clock offset: 0.041 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-18 21:59:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 86.901 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.939 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.800 ms

Loss rate: 0.91%

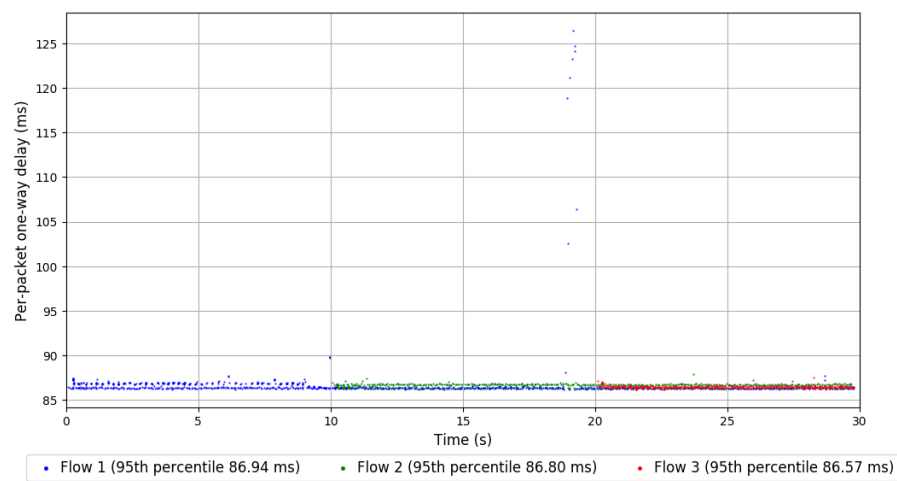
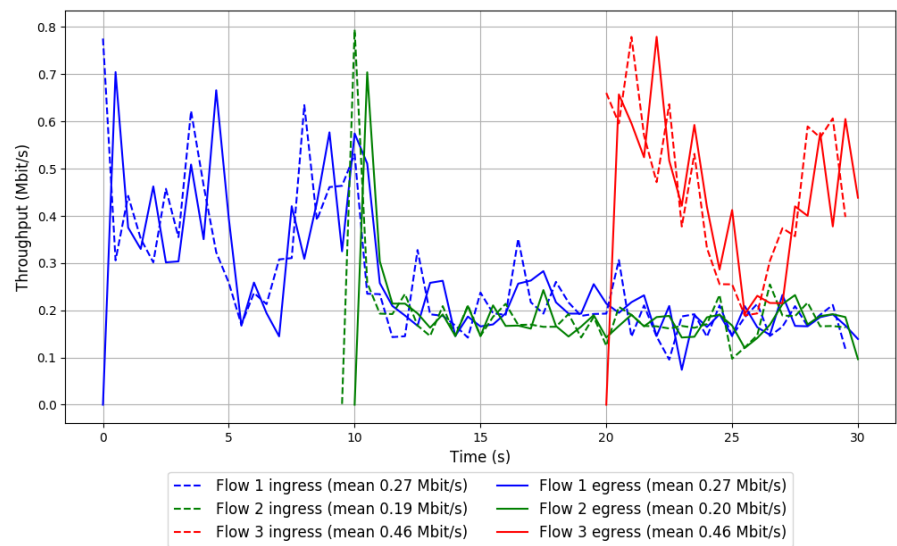
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 1.84%

Run 8: Report of Sprout — Data Link

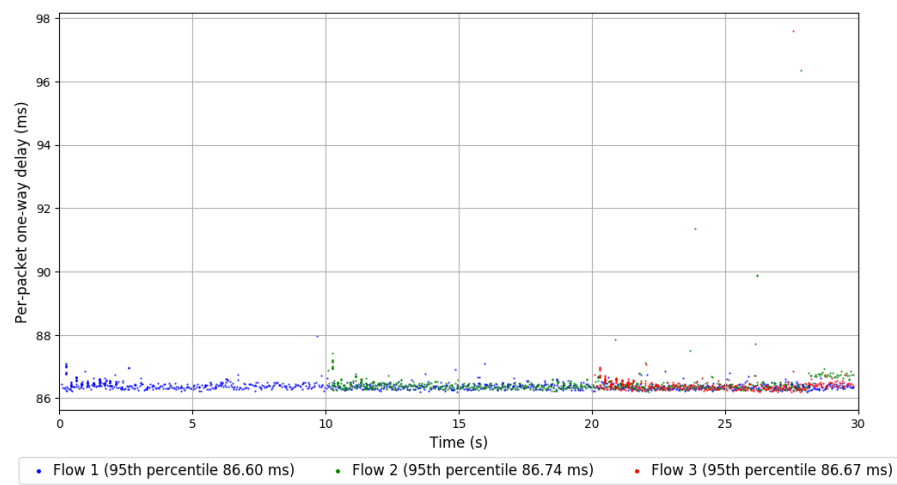
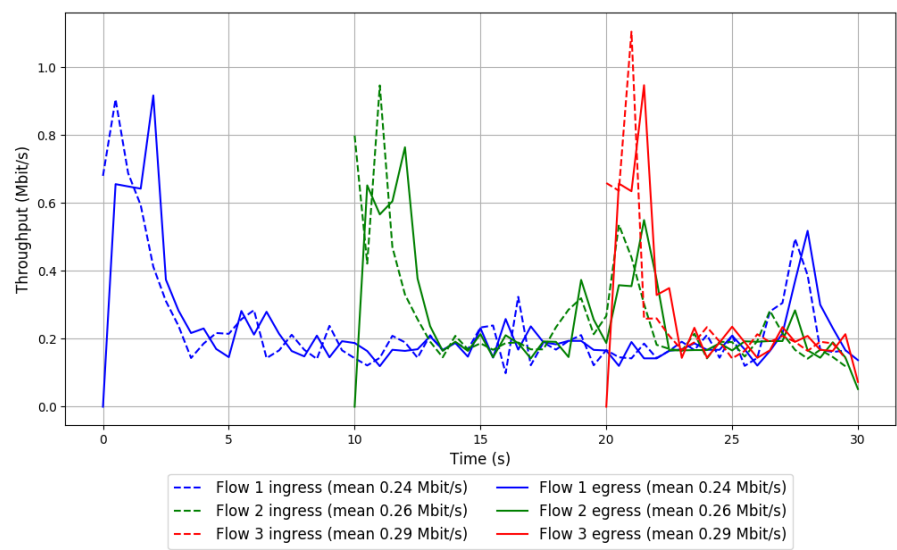


Run 9: Statistics of Sprout

Start at: 2018-07-18 19:13:55
End at: 2018-07-18 19:14:25
Local clock offset: 0.022 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 21:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.596 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.670 ms
Loss rate: 1.61%

Run 9: Report of Sprout — Data Link

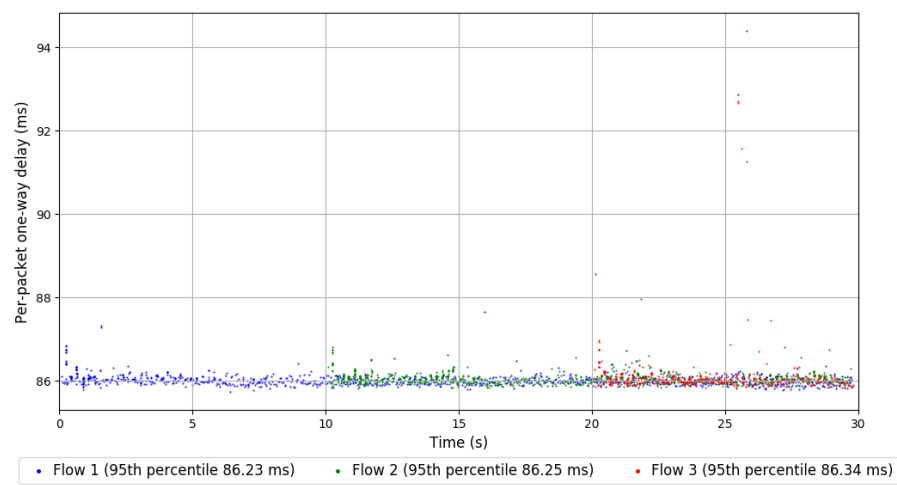
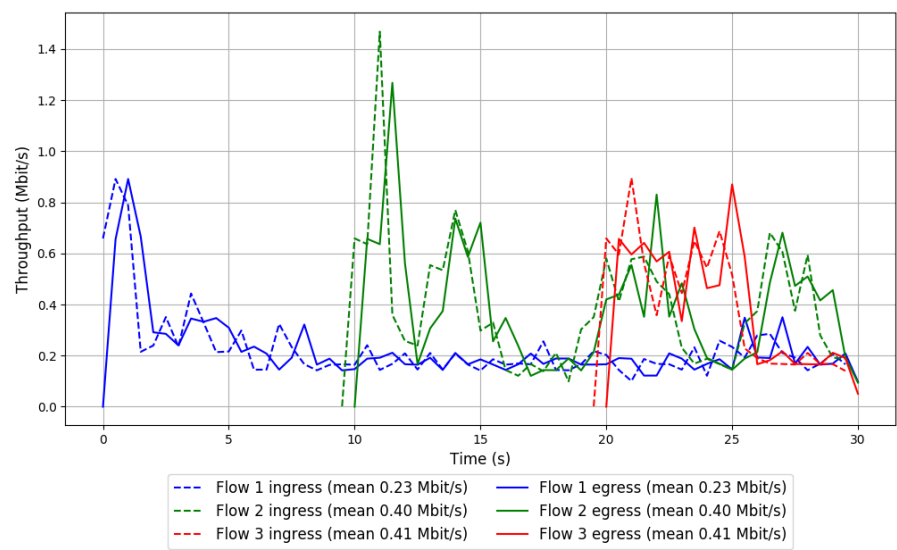


Run 10: Statistics of Sprout

Start at: 2018-07-18 19:38:57
End at: 2018-07-18 19:39:27
Local clock offset: -0.287 ms
Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-18 21:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.227 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.254 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.338 ms
Loss rate: 1.12%

Run 10: Report of Sprout — Data Link

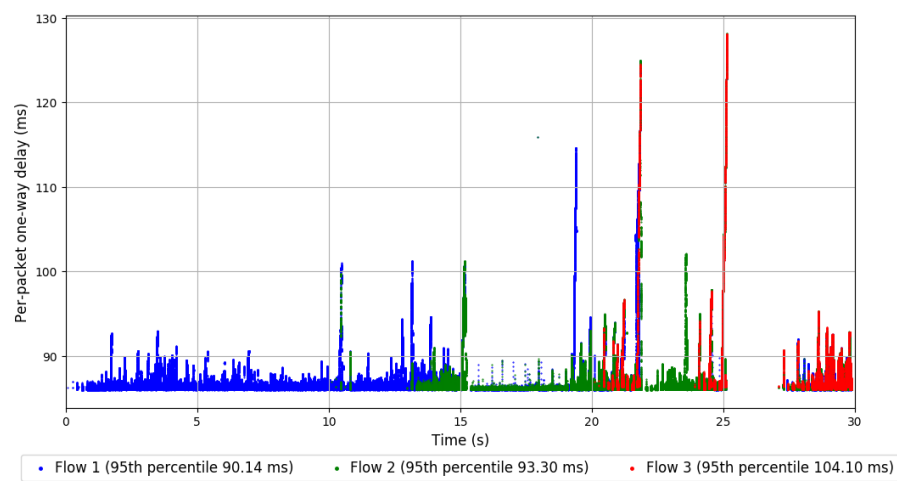
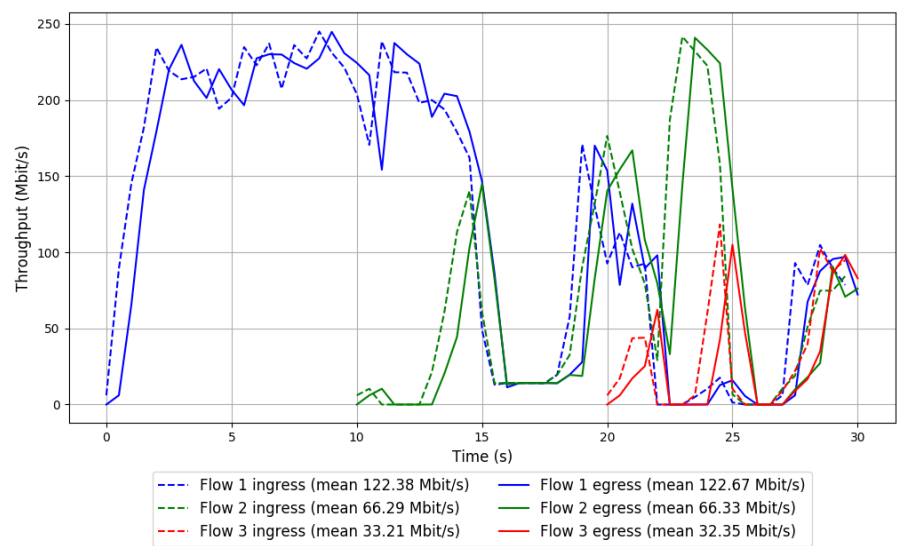


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 16:05:00
End at: 2018-07-18 16:05:30
Local clock offset: -0.15 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-18 22:01:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.33 Mbit/s
95th percentile per-packet one-way delay: 91.754 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 122.67 Mbit/s
95th percentile per-packet one-way delay: 90.137 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 93.301 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 104.104 ms
Loss rate: 4.27%

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

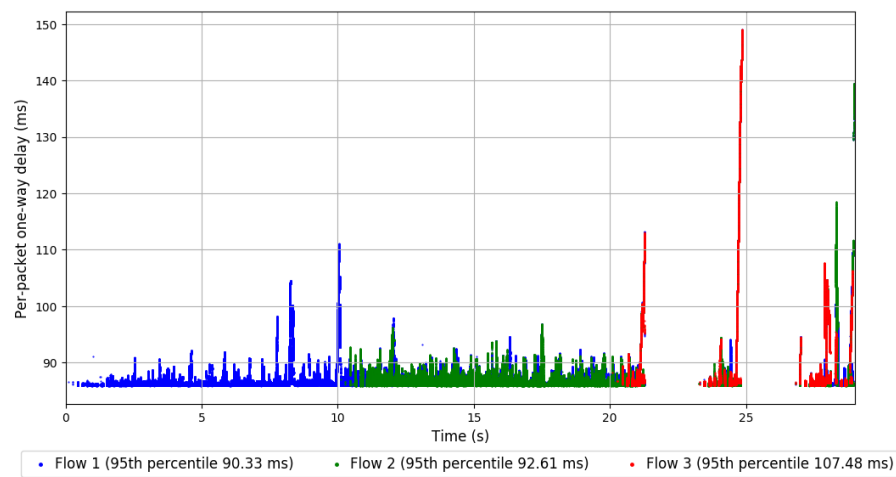
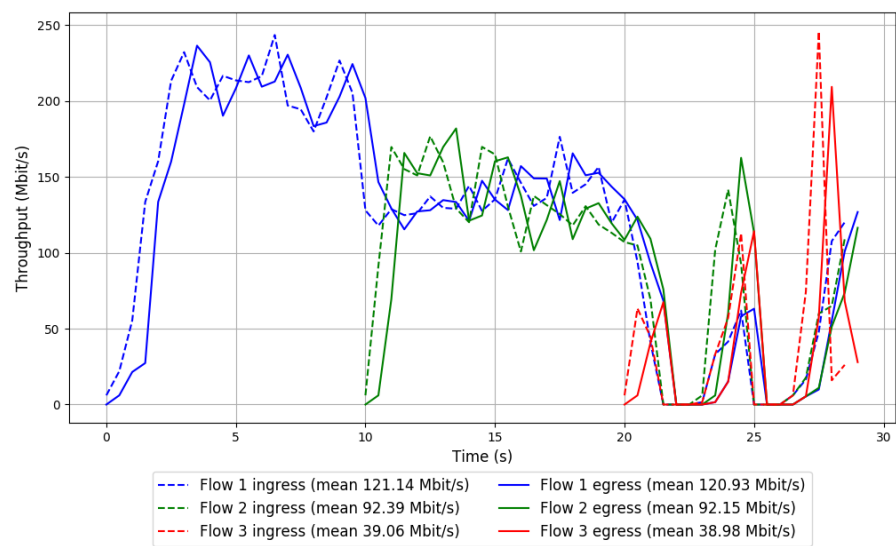


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 16:29:54
End at: 2018-07-18 16:30:24
Local clock offset: -0.257 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-18 22:02:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.03 Mbit/s
95th percentile per-packet one-way delay: 91.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.93 Mbit/s
95th percentile per-packet one-way delay: 90.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 92.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 107.482 ms
Loss rate: 0.00%

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

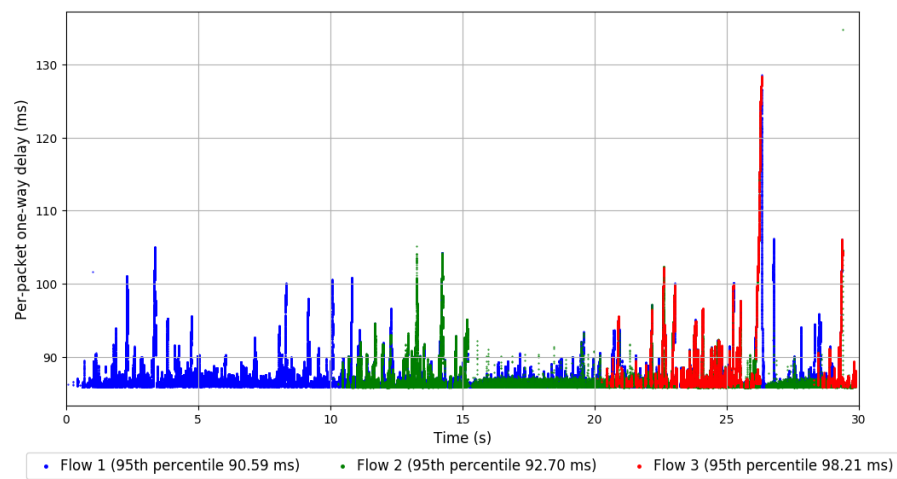
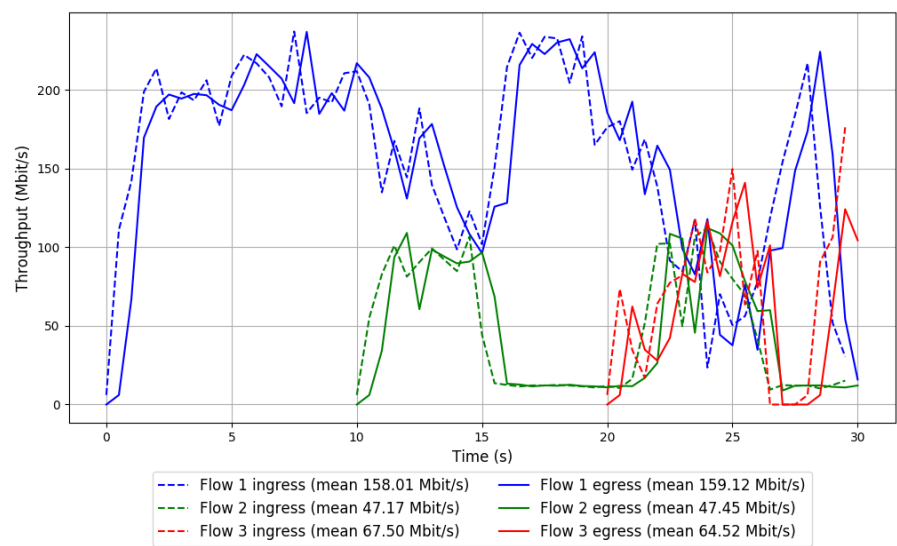


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 16:54:39
End at: 2018-07-18 16:55:09
Local clock offset: -0.13 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 22:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.35 Mbit/s
95th percentile per-packet one-way delay: 91.548 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 159.12 Mbit/s
95th percentile per-packet one-way delay: 90.589 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 92.705 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 98.210 ms
Loss rate: 6.08%

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

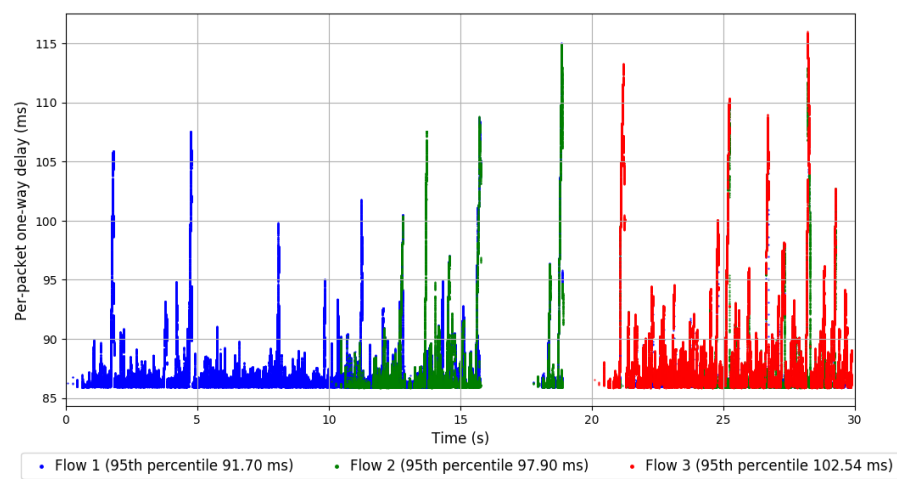
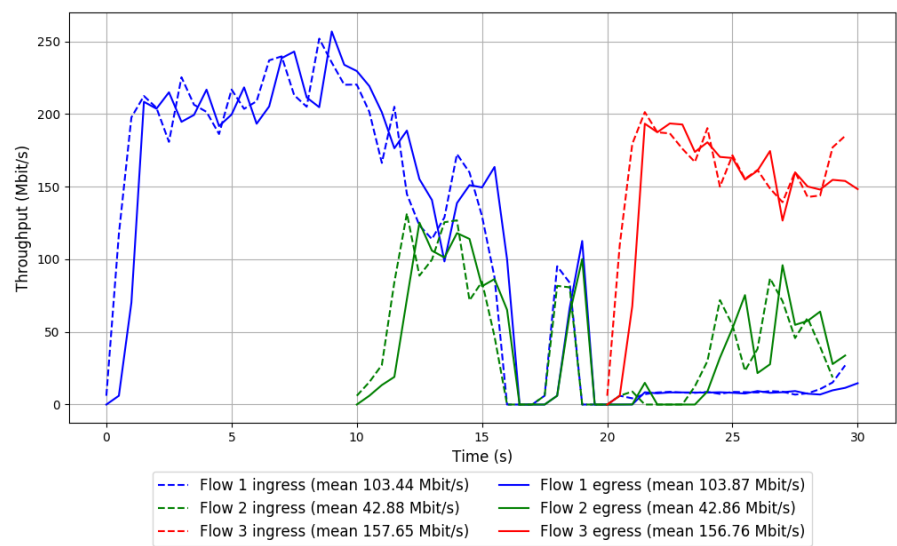


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 17:19:33
End at: 2018-07-18 17:20:03
Local clock offset: -0.068 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-18 22:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.49 Mbit/s
95th percentile per-packet one-way delay: 95.539 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 103.87 Mbit/s
95th percentile per-packet one-way delay: 91.701 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 97.902 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 102.540 ms
Loss rate: 2.29%

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

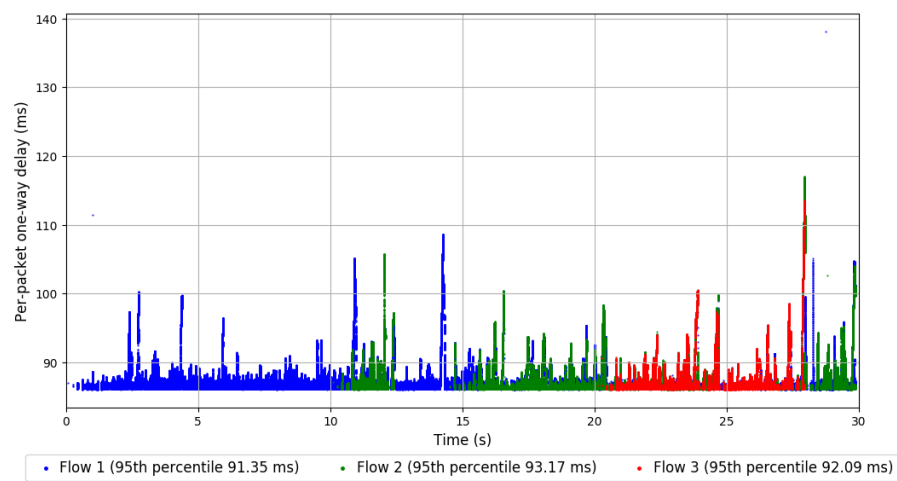
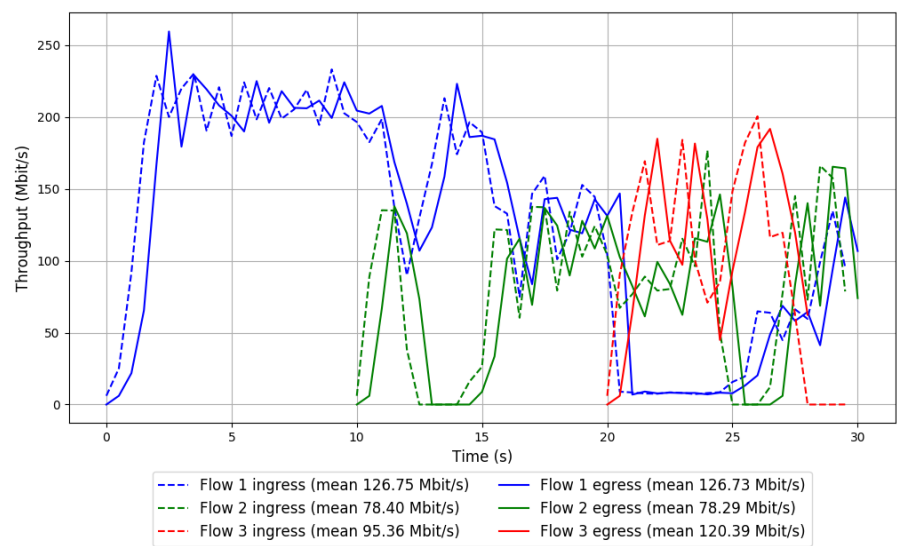


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 17:44:11
End at: 2018-07-18 17:44:41
Local clock offset: 0.123 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-18 22:03:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.49 Mbit/s
95th percentile per-packet one-way delay: 92.015 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 91.352 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 93.171 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 120.39 Mbit/s
95th percentile per-packet one-way delay: 92.087 ms
Loss rate: 0.00%

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

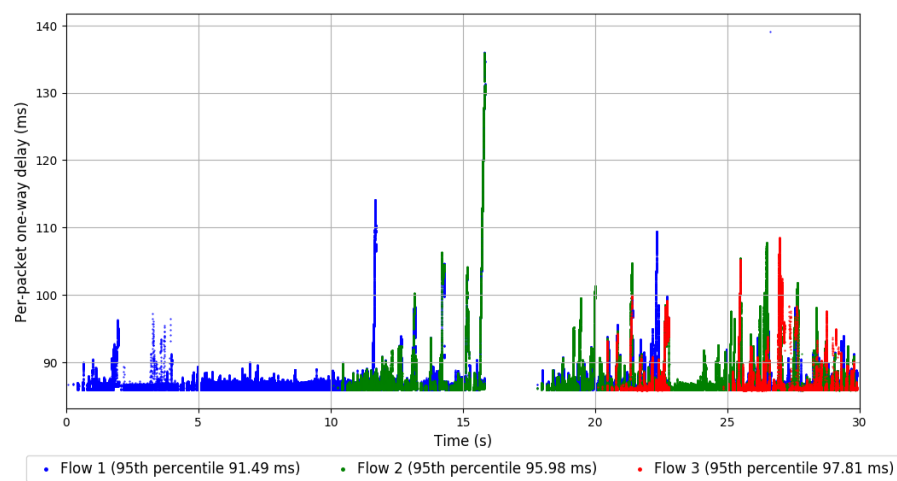
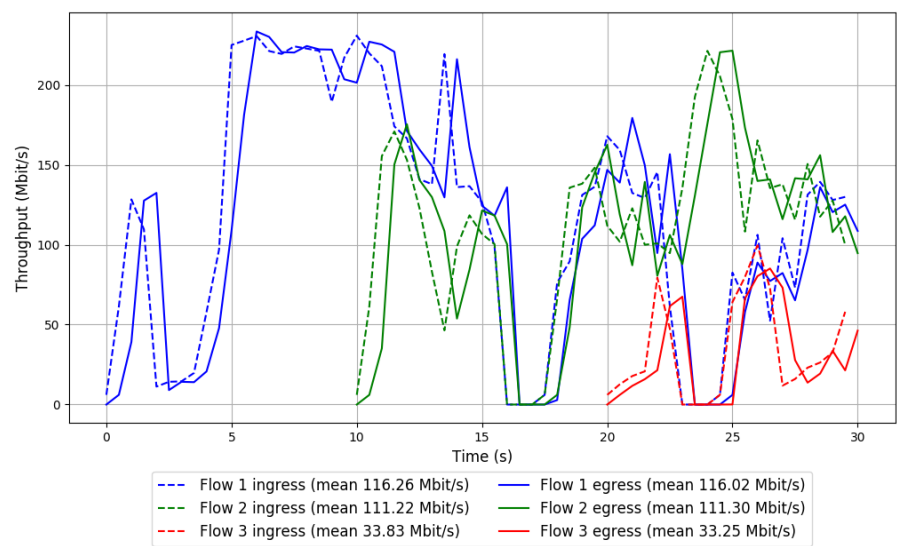


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 18:08:47
End at: 2018-07-18 18:09:17
Local clock offset: -0.11 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-18 22:03:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.85 Mbit/s
95th percentile per-packet one-way delay: 94.049 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 116.02 Mbit/s
95th percentile per-packet one-way delay: 91.489 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 111.30 Mbit/s
95th percentile per-packet one-way delay: 95.978 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 97.809 ms
Loss rate: 3.42%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 18:33:36

End at: 2018-07-18 18:34:06

Local clock offset: -0.096 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-18 22:06:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.02 Mbit/s

95th percentile per-packet one-way delay: 92.970 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 131.05 Mbit/s

95th percentile per-packet one-way delay: 92.165 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 115.26 Mbit/s

95th percentile per-packet one-way delay: 94.011 ms

Loss rate: 0.00%

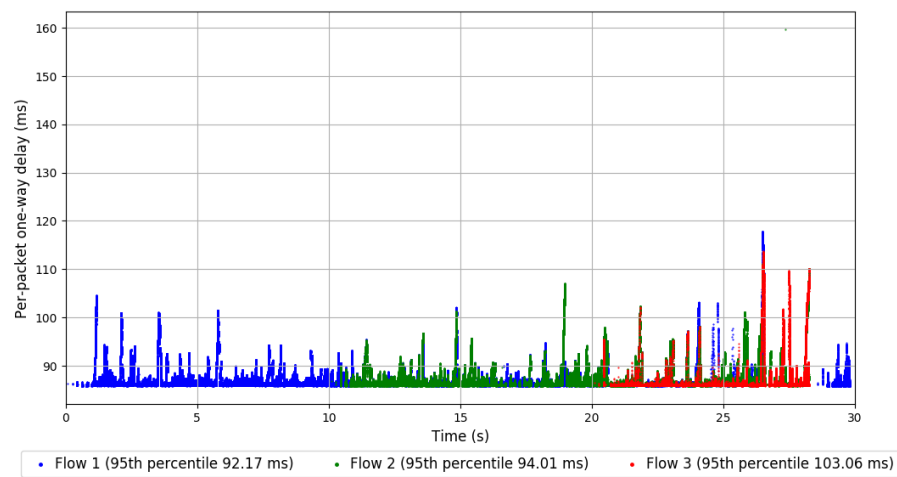
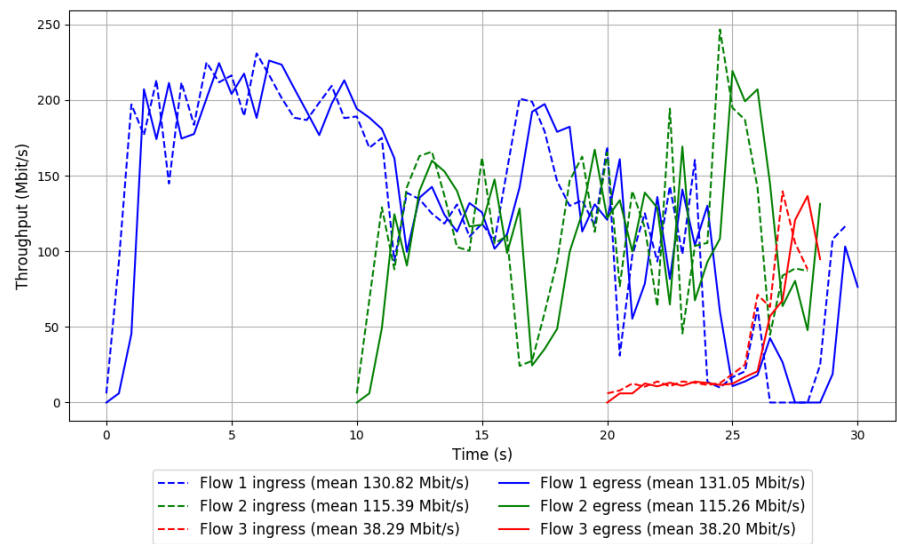
-- Flow 3:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 103.062 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 18:58:18

End at: 2018-07-18 18:58:48

Local clock offset: -0.107 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-18 22:06:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.51 Mbit/s

95th percentile per-packet one-way delay: 94.616 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 117.27 Mbit/s

95th percentile per-packet one-way delay: 92.628 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 68.37 Mbit/s

95th percentile per-packet one-way delay: 97.230 ms

Loss rate: 0.18%

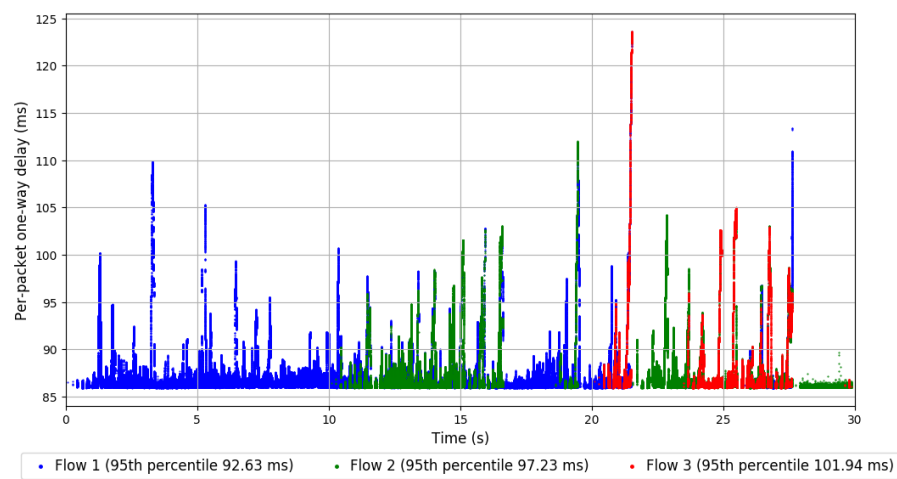
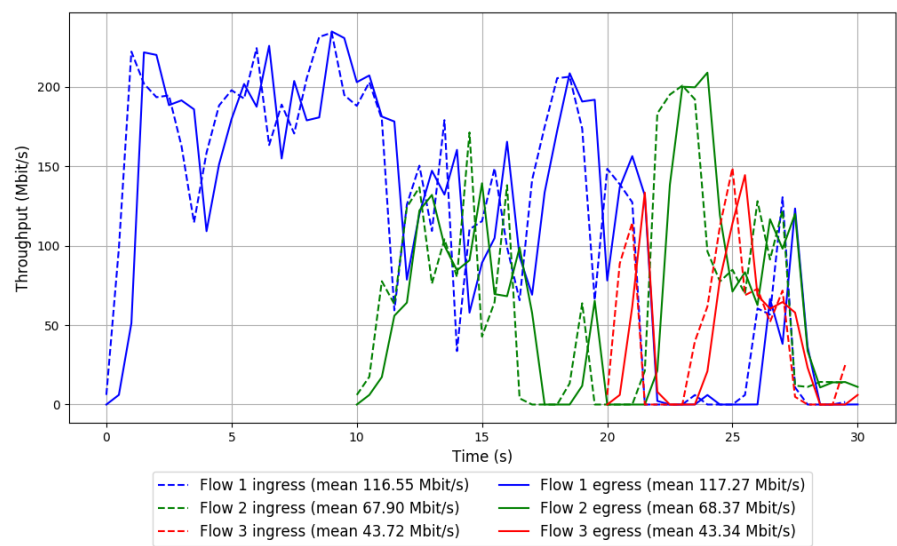
-- Flow 3:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 101.940 ms

Loss rate: 2.16%

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

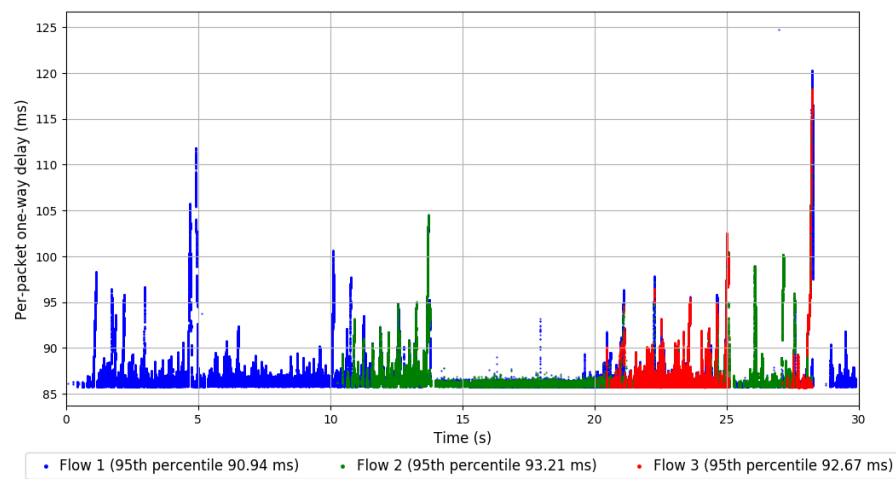
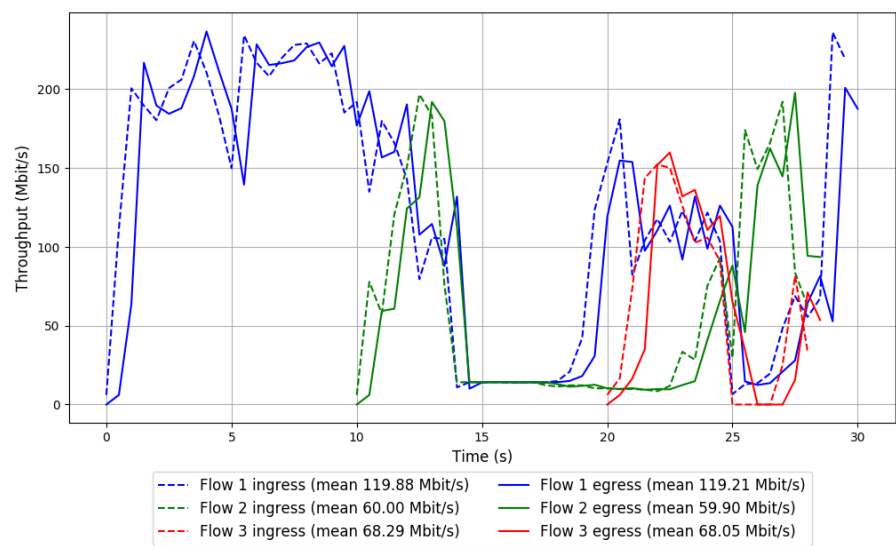


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 19:23:18
End at: 2018-07-18 19:23:48
Local clock offset: -0.436 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-18 22:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.25 Mbit/s
95th percentile per-packet one-way delay: 91.688 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 119.21 Mbit/s
95th percentile per-packet one-way delay: 90.938 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 93.211 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 92.670 ms
Loss rate: 0.00%

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

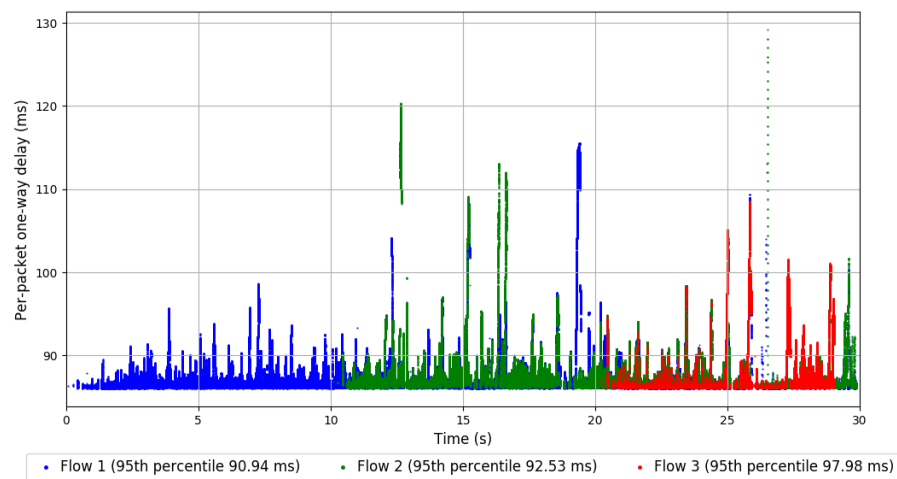
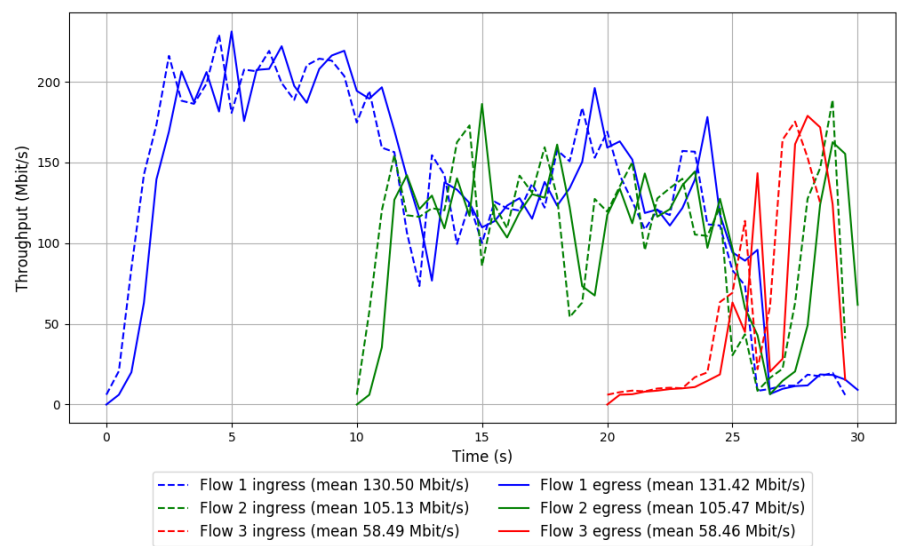


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 19:48:10
End at: 2018-07-18 19:48:40
Local clock offset: 0.03 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 92.080 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 131.42 Mbit/s
95th percentile per-packet one-way delay: 90.937 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 105.47 Mbit/s
95th percentile per-packet one-way delay: 92.535 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 97.984 ms
Loss rate: 0.00%

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

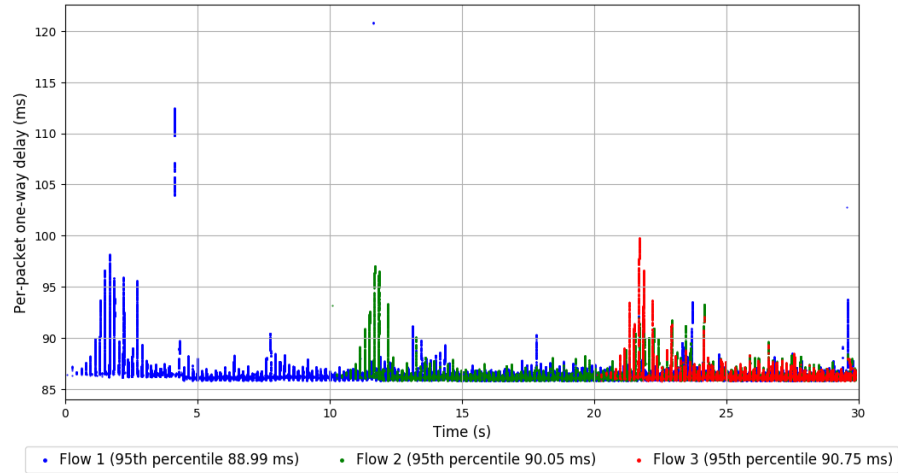
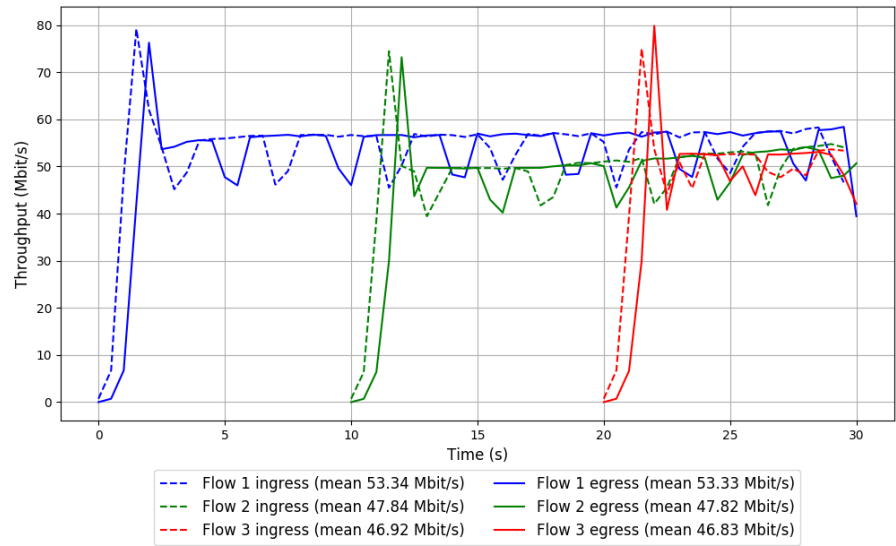


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 16:01:19
End at: 2018-07-18 16:01:49
Local clock offset: -0.37 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.42 Mbit/s
95th percentile per-packet one-way delay: 89.749 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 88.989 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 90.047 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 90.754 ms
Loss rate: 1.92%

Run 1: Report of TCP Vegas — Data Link

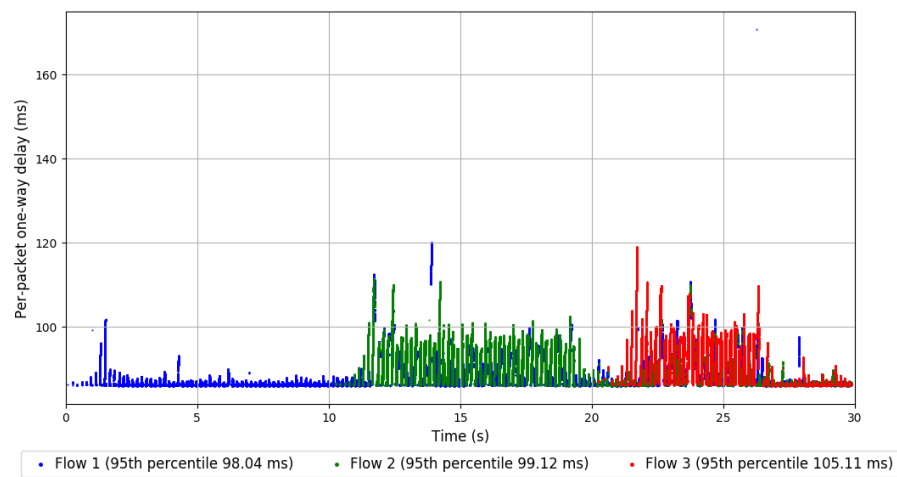
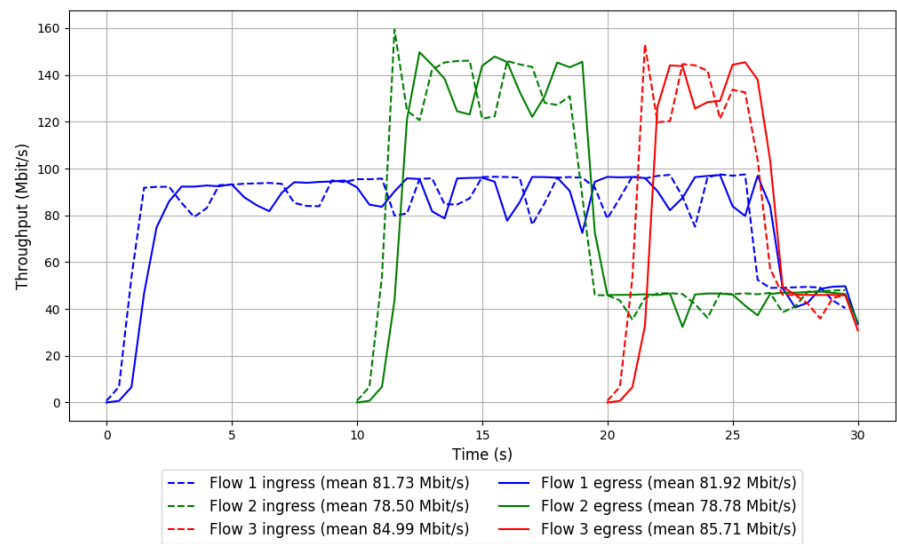


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 16:26:09
End at: 2018-07-18 16:26:39
Local clock offset: -0.09 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.32 Mbit/s
95th percentile per-packet one-way delay: 99.690 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 98.039 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 99.118 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 105.106 ms
Loss rate: 0.90%

Run 2: Report of TCP Vegas — Data Link

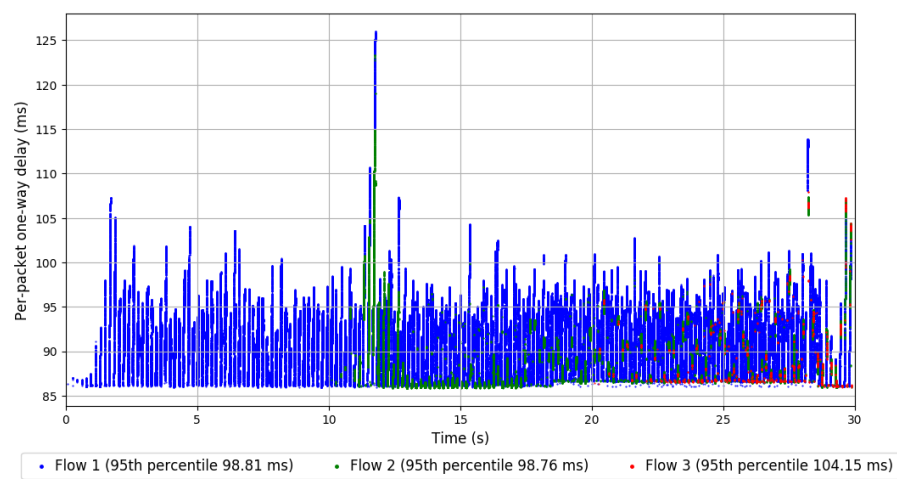
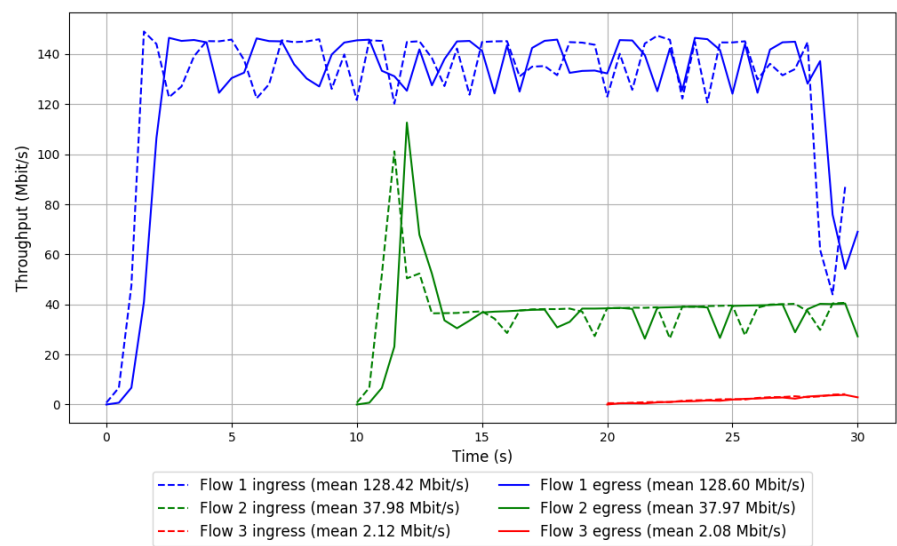


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 16:50:55
End at: 2018-07-18 16:51:25
Local clock offset: -0.165 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.48 Mbit/s
95th percentile per-packet one-way delay: 98.817 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 128.60 Mbit/s
95th percentile per-packet one-way delay: 98.811 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 98.761 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 104.146 ms
Loss rate: 3.41%

Run 3: Report of TCP Vegas — Data Link

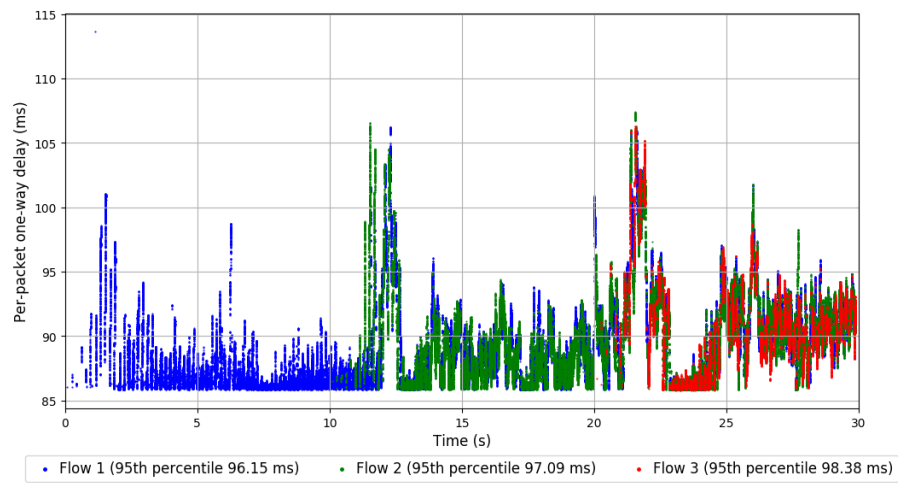
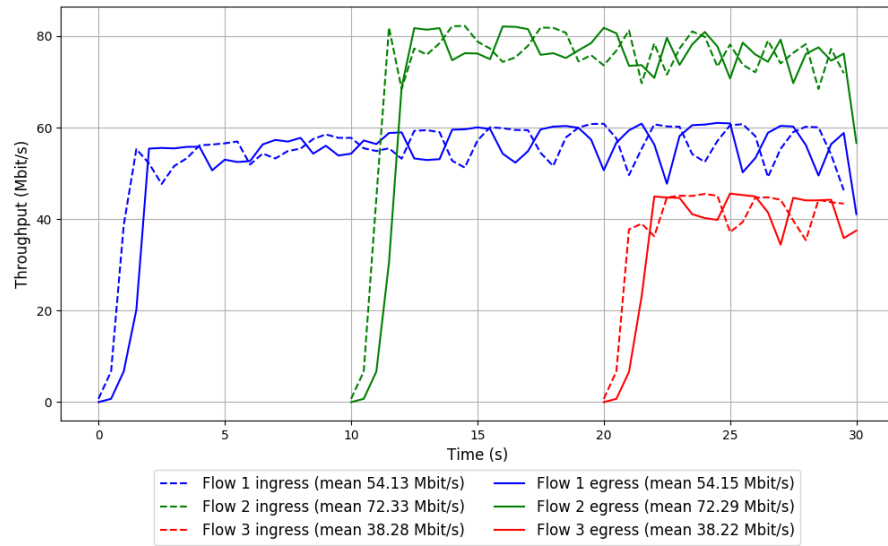


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 17:15:51
End at: 2018-07-18 17:16:21
Local clock offset: -0.191 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.72 Mbit/s
95th percentile per-packet one-way delay: 96.906 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 96.147 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 97.093 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 98.376 ms
Loss rate: 1.91%

Run 4: Report of TCP Vegas — Data Link

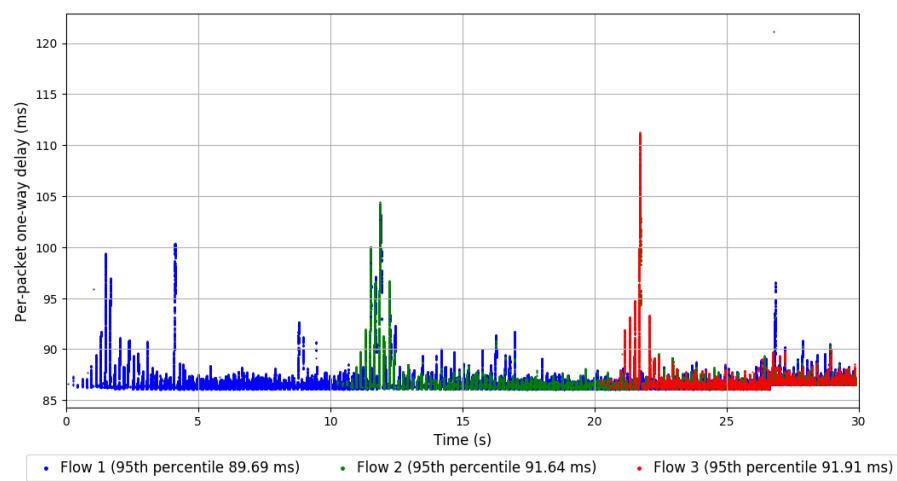
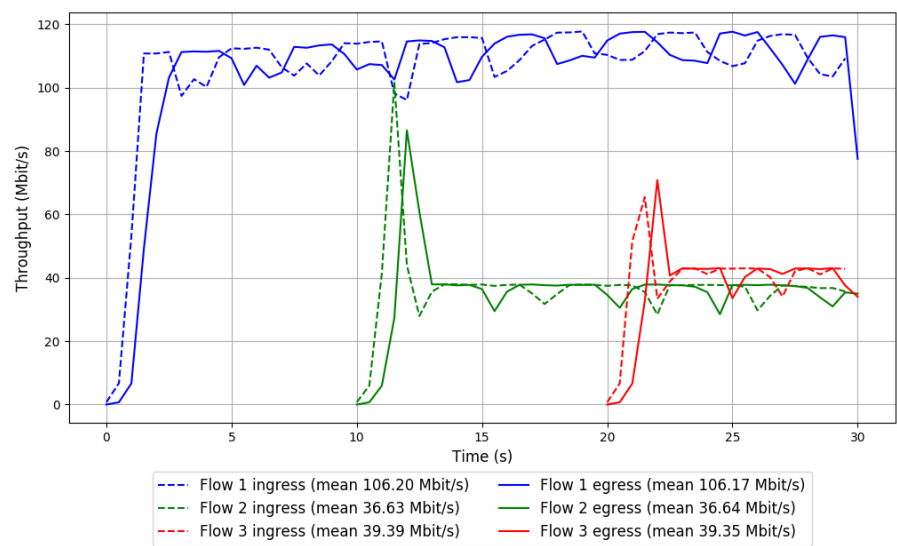


Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 17:40:27
End at: 2018-07-18 17:40:57
Local clock offset: 0.083 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.37 Mbit/s
95th percentile per-packet one-way delay: 90.077 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 106.17 Mbit/s
95th percentile per-packet one-way delay: 89.695 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 91.644 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 91.913 ms
Loss rate: 1.84%

Run 5: Report of TCP Vegas — Data Link

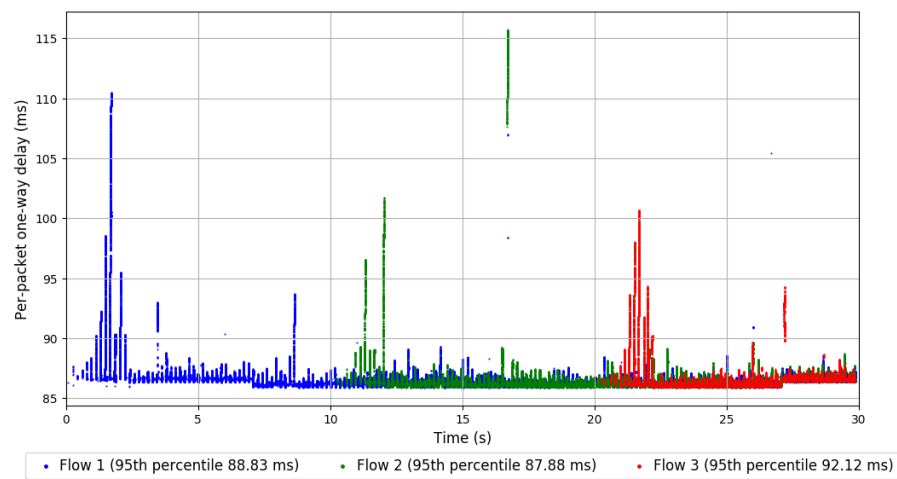
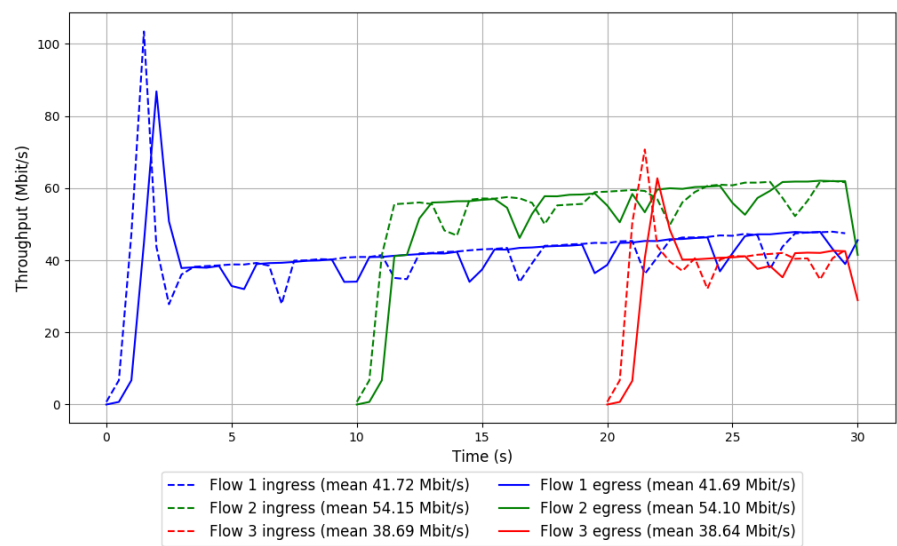


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 18:05:06
End at: 2018-07-18 18:05:36
Local clock offset: -0.071 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 22:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 88.785 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 88.829 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 87.880 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 92.118 ms
Loss rate: 1.87%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 18:29:54

End at: 2018-07-18 18:30:24

Local clock offset: -0.164 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-18 22:10:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 96.610 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 57.20 Mbit/s

95th percentile per-packet one-way delay: 93.438 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 49.62 Mbit/s

95th percentile per-packet one-way delay: 96.381 ms

Loss rate: 0.97%

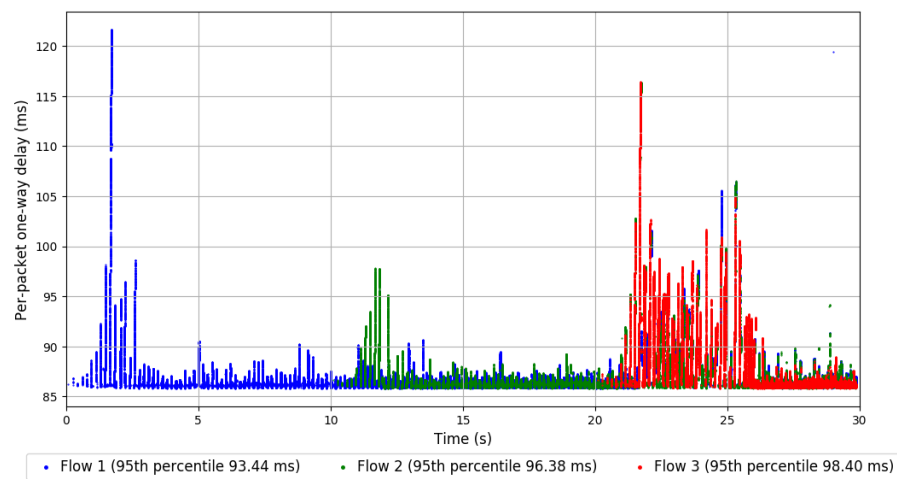
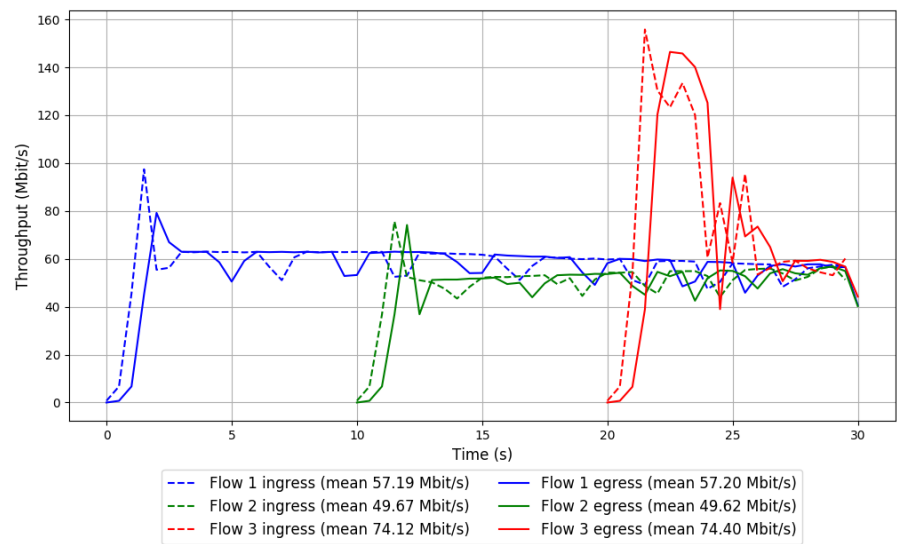
-- Flow 3:

Average throughput: 74.40 Mbit/s

95th percentile per-packet one-way delay: 98.399 ms

Loss rate: 1.37%

Run 7: Report of TCP Vegas — Data Link

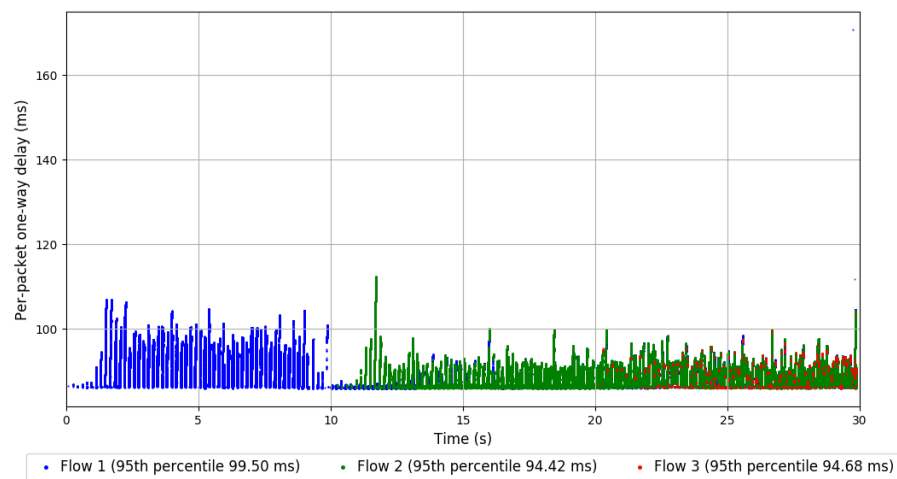
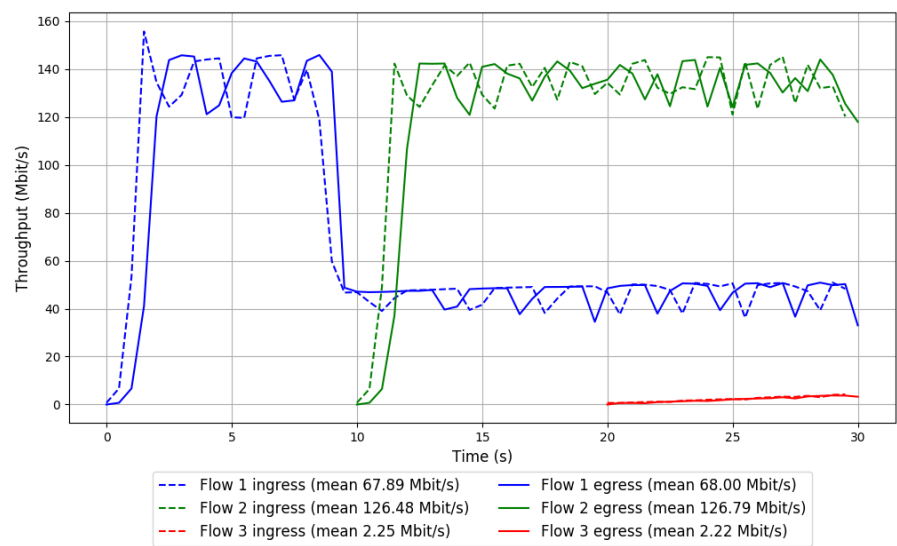


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 18:54:33
End at: 2018-07-18 18:55:03
Local clock offset: -0.118 ms
Remote clock offset: 0.041 ms

```
# Below is generated by plot.py at 2018-07-18 22:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.85 Mbit/s
95th percentile per-packet one-way delay: 97.896 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 68.00 Mbit/s
95th percentile per-packet one-way delay: 99.495 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 126.79 Mbit/s
95th percentile per-packet one-way delay: 94.424 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 94.684 ms
Loss rate: 3.27%
```

Run 8: Report of TCP Vegas — Data Link

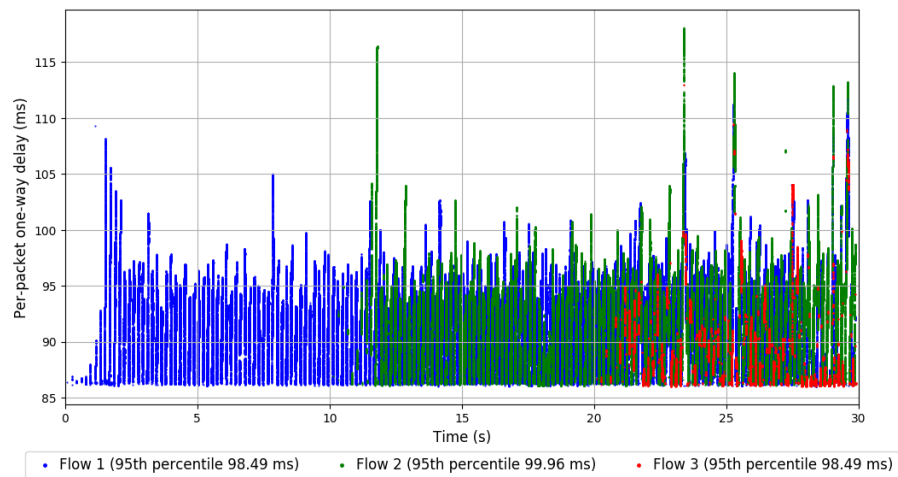
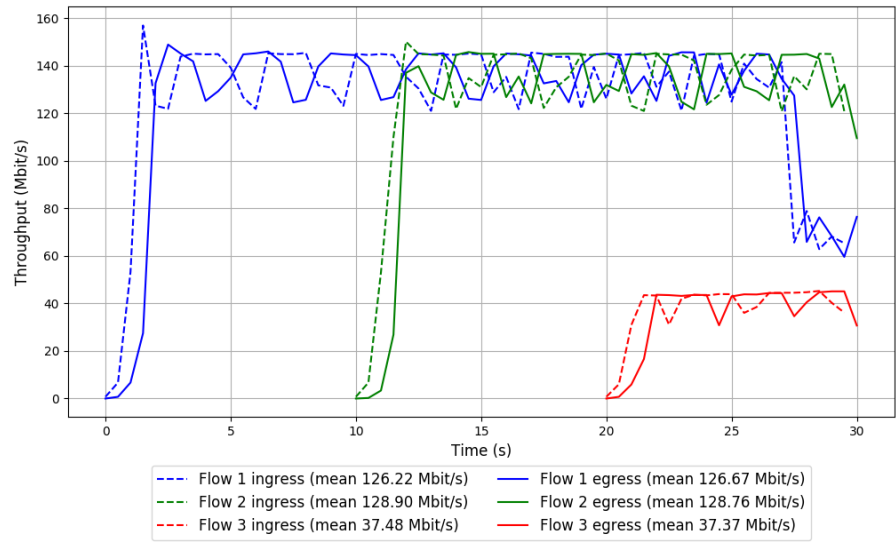


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 19:19:29
End at: 2018-07-18 19:19:59
Local clock offset: -0.198 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-18 22:11:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.03 Mbit/s
95th percentile per-packet one-way delay: 99.087 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 126.67 Mbit/s
95th percentile per-packet one-way delay: 98.490 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 128.76 Mbit/s
95th percentile per-packet one-way delay: 99.963 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 98.490 ms
Loss rate: 2.04%

Run 9: Report of TCP Vegas — Data Link

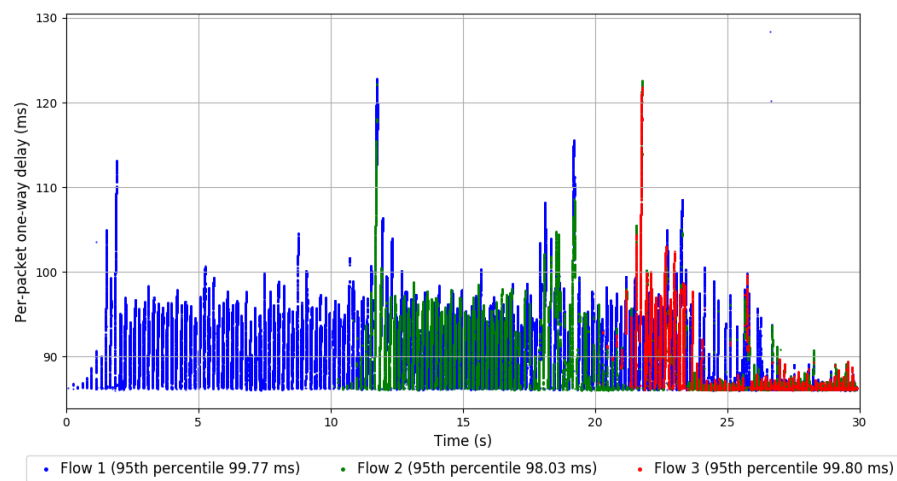
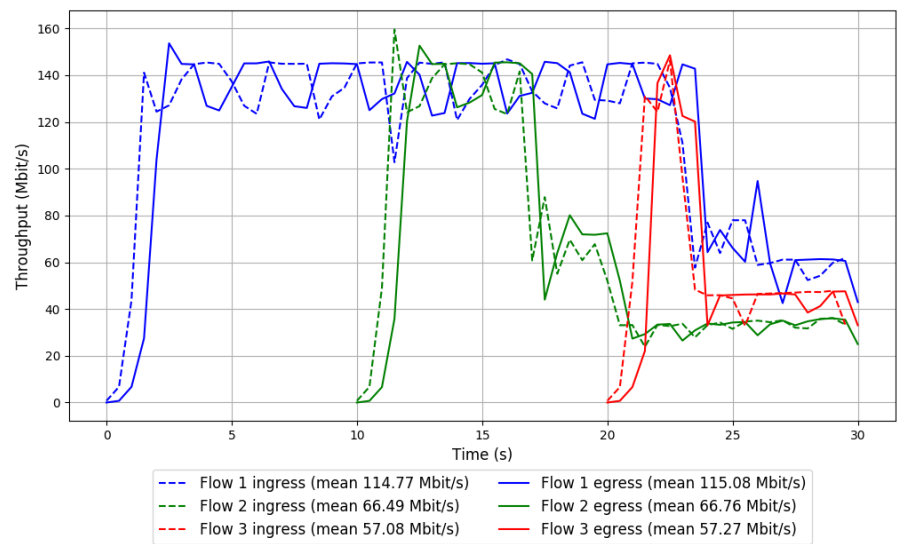


Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 19:44:24
End at: 2018-07-18 19:44:54
Local clock offset: -0.065 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-18 22:11:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.04 Mbit/s
95th percentile per-packet one-way delay: 99.372 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 115.08 Mbit/s
95th percentile per-packet one-way delay: 99.767 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 98.034 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 99.796 ms
Loss rate: 1.40%

Run 10: Report of TCP Vegas — Data Link

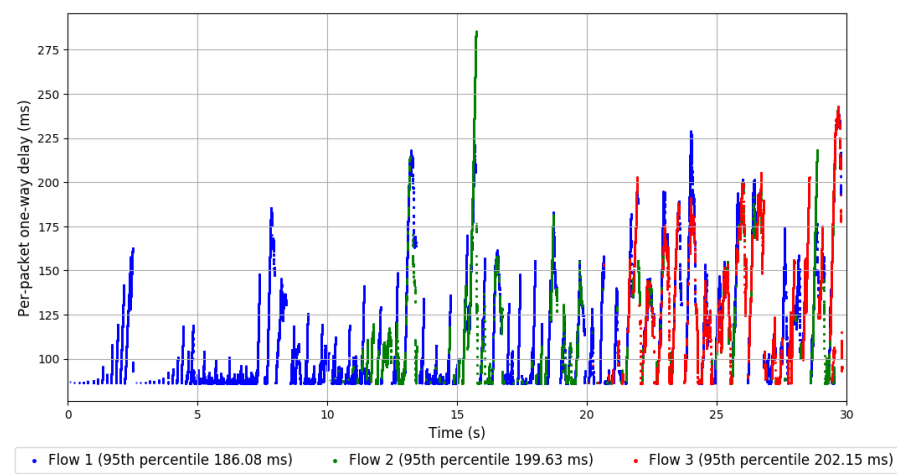
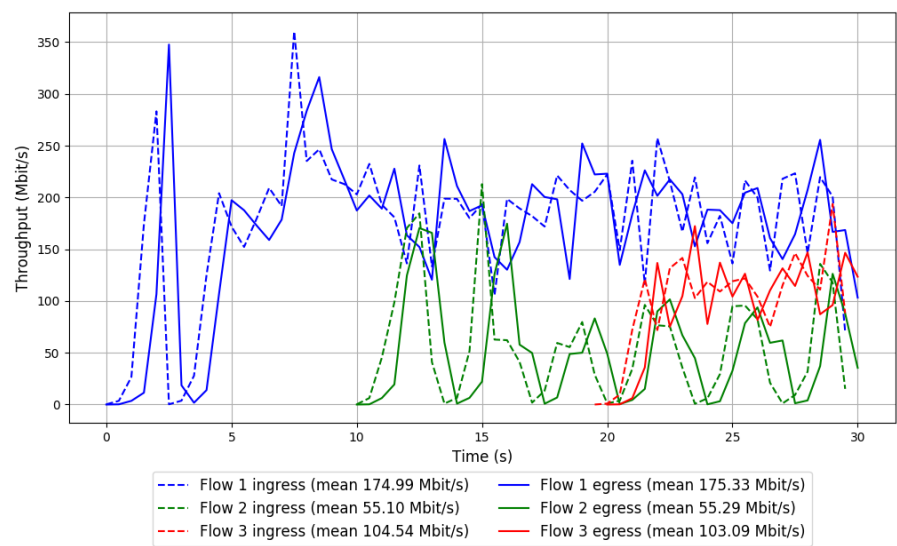


Run 1: Statistics of Verus

Start at: 2018-07-18 15:59:49
End at: 2018-07-18 16:00:19
Local clock offset: -0.151 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-18 22:12:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.45 Mbit/s
95th percentile per-packet one-way delay: 191.466 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 175.33 Mbit/s
95th percentile per-packet one-way delay: 186.083 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 199.633 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 103.09 Mbit/s
95th percentile per-packet one-way delay: 202.145 ms
Loss rate: 3.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-18 16:24:42

End at: 2018-07-18 16:25:12

Local clock offset: -0.091 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-18 22:12:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.56 Mbit/s

95th percentile per-packet one-way delay: 285.753 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 102.88 Mbit/s

95th percentile per-packet one-way delay: 194.999 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 129.04 Mbit/s

95th percentile per-packet one-way delay: 350.014 ms

Loss rate: 5.91%

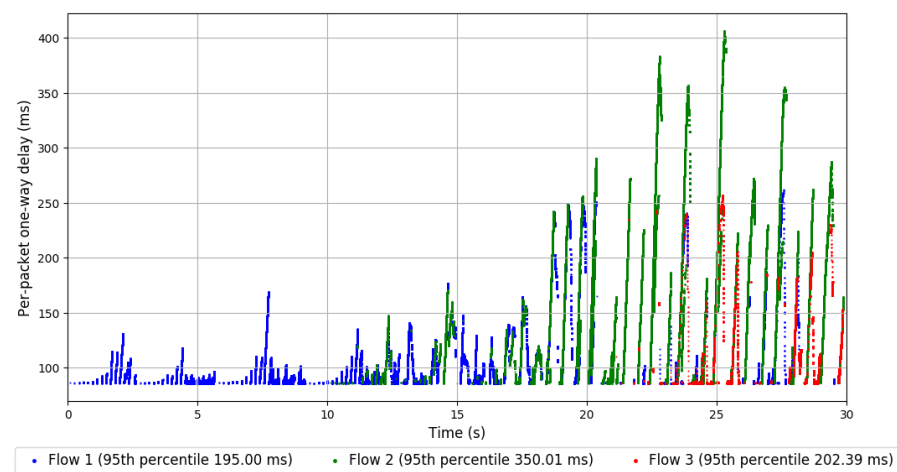
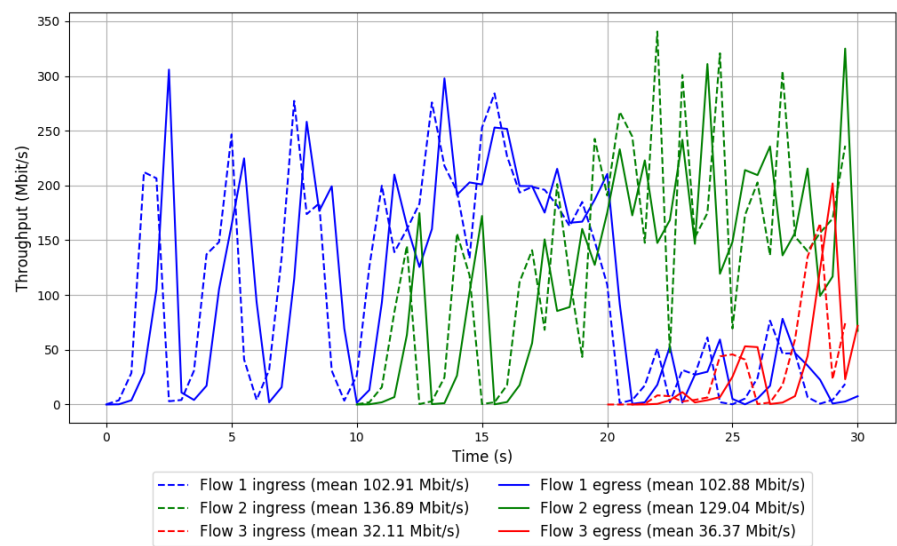
-- Flow 3:

Average throughput: 36.37 Mbit/s

95th percentile per-packet one-way delay: 202.388 ms

Loss rate: 0.63%

Run 2: Report of Verus — Data Link

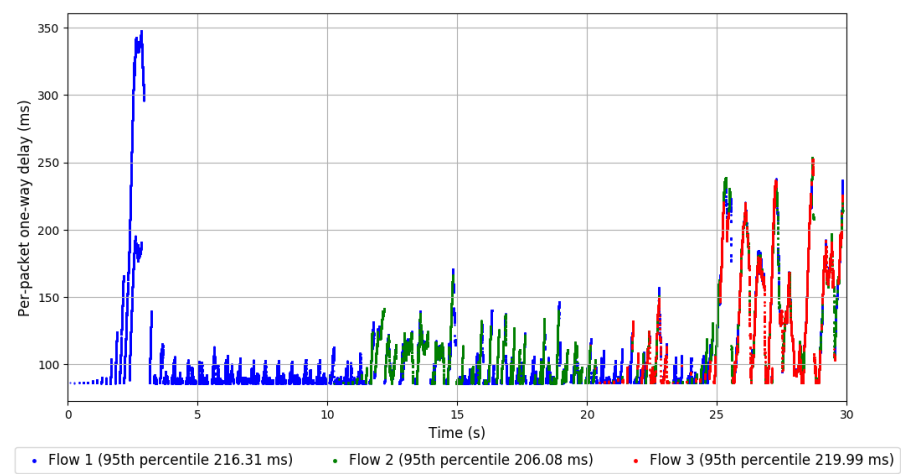
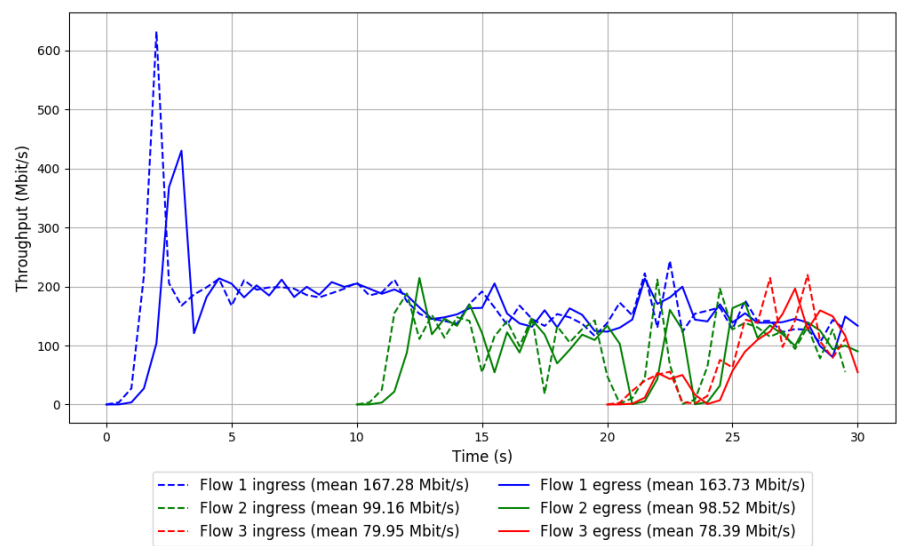


Run 3: Statistics of Verus

Start at: 2018-07-18 16:49:24
End at: 2018-07-18 16:49:54
Local clock offset: -0.127 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-18 22:13:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.69 Mbit/s
95th percentile per-packet one-way delay: 215.647 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 163.73 Mbit/s
95th percentile per-packet one-way delay: 216.313 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 98.52 Mbit/s
95th percentile per-packet one-way delay: 206.081 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 219.987 ms
Loss rate: 3.95%

Run 3: Report of Verus — Data Link

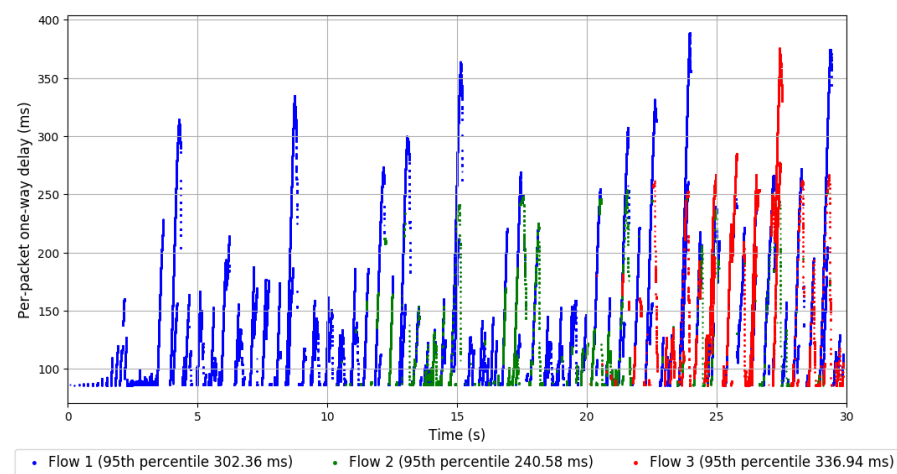
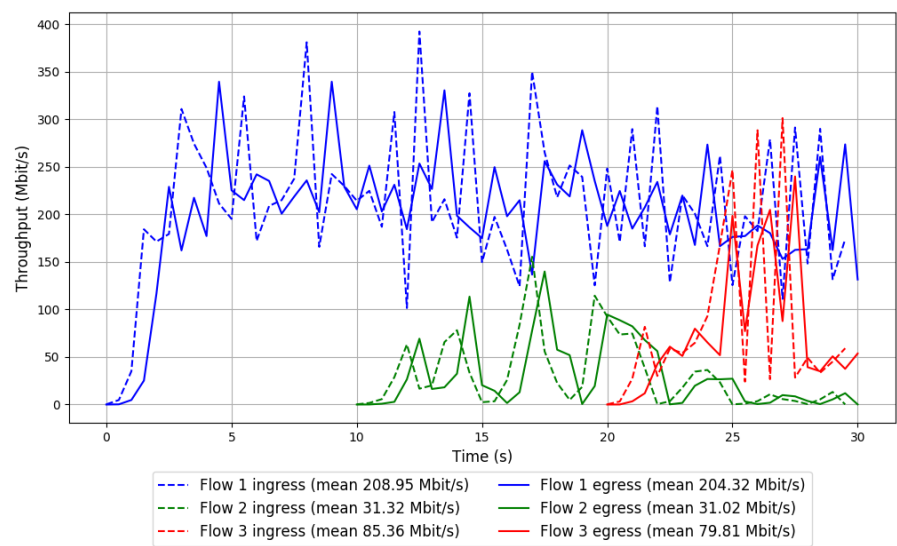


Run 4: Statistics of Verus

Start at: 2018-07-18 17:14:21
End at: 2018-07-18 17:14:51
Local clock offset: -0.145 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-18 22:13:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.87 Mbit/s
95th percentile per-packet one-way delay: 300.379 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 204.32 Mbit/s
95th percentile per-packet one-way delay: 302.359 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 240.579 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 336.940 ms
Loss rate: 7.44%

Run 4: Report of Verus — Data Link

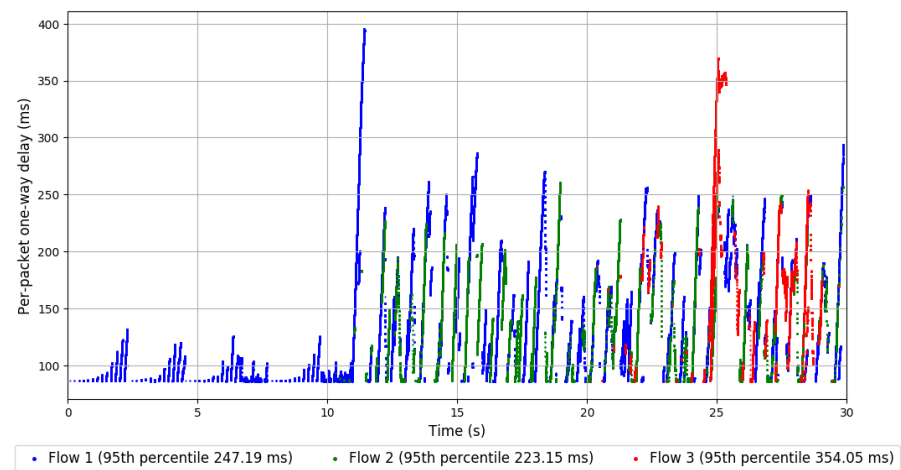
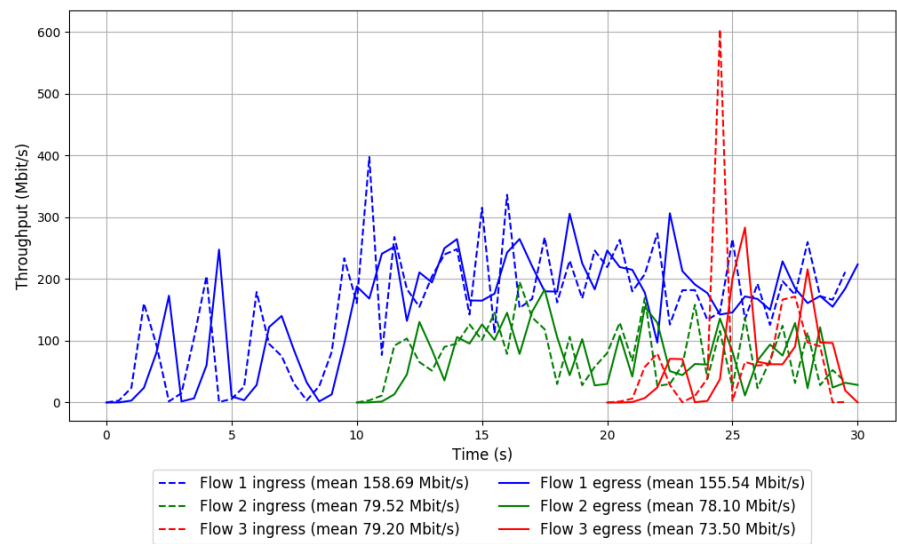


Run 5: Statistics of Verus

Start at: 2018-07-18 17:38:57
End at: 2018-07-18 17:39:27
Local clock offset: 0.01 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-18 22:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 252.545 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 155.54 Mbit/s
95th percentile per-packet one-way delay: 247.192 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 223.148 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 354.051 ms
Loss rate: 8.84%

Run 5: Report of Verus — Data Link

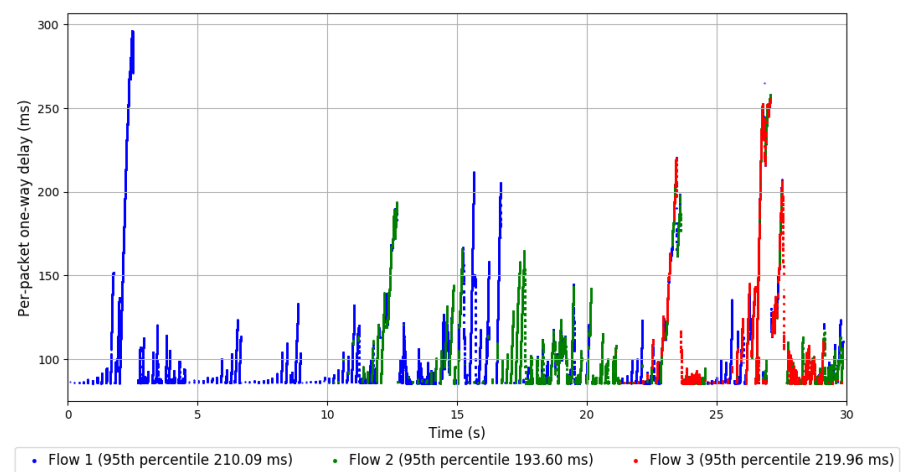
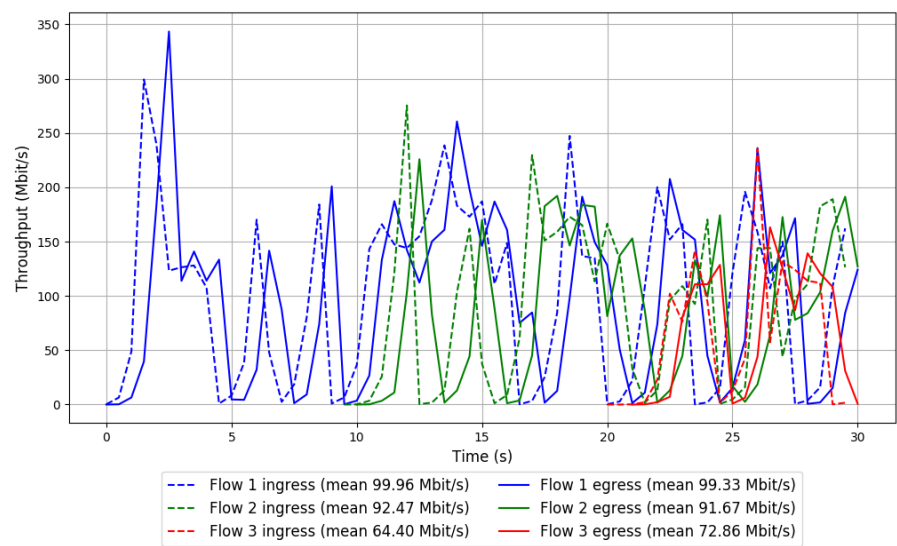


Run 6: Statistics of Verus

Start at: 2018-07-18 18:03:41
End at: 2018-07-18 18:04:11
Local clock offset: -0.248 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 22:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.48 Mbit/s
95th percentile per-packet one-way delay: 207.161 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 99.33 Mbit/s
95th percentile per-packet one-way delay: 210.092 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 193.599 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 219.963 ms
Loss rate: 0.49%

Run 6: Report of Verus — Data Link

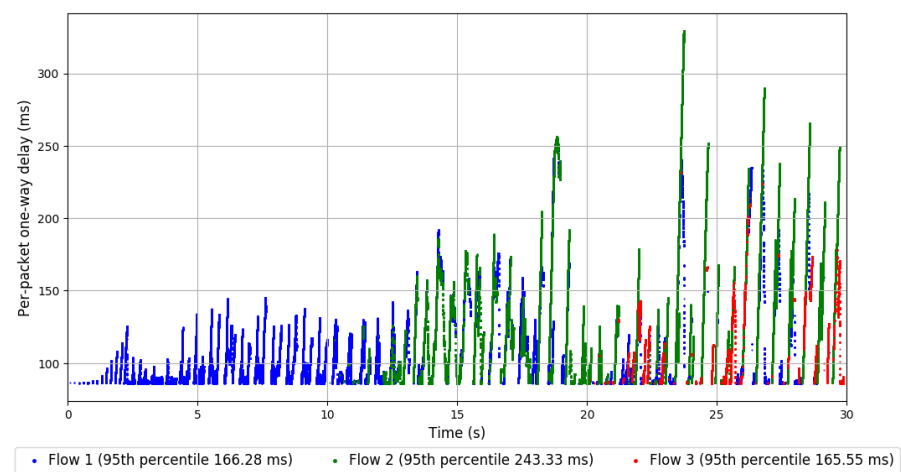
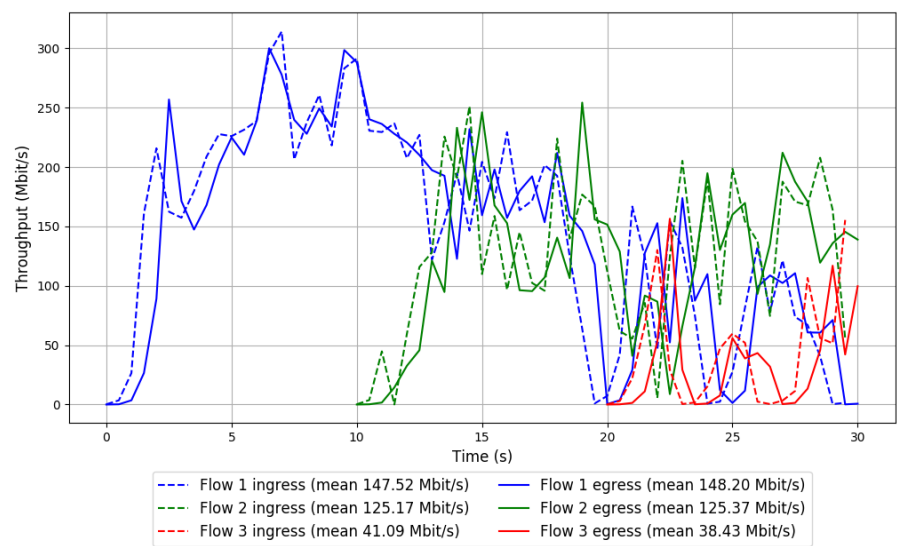


Run 7: Statistics of Verus

Start at: 2018-07-18 18:28:24
End at: 2018-07-18 18:28:54
Local clock offset: 0.03 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-18 22:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.71 Mbit/s
95th percentile per-packet one-way delay: 209.295 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 166.276 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 125.37 Mbit/s
95th percentile per-packet one-way delay: 243.329 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 165.550 ms
Loss rate: 8.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-18 18:53:09

End at: 2018-07-18 18:53:39

Local clock offset: -0.178 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-18 22:15:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.88 Mbit/s

95th percentile per-packet one-way delay: 212.779 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 88.93 Mbit/s

95th percentile per-packet one-way delay: 186.192 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 275.843 ms

Loss rate: 3.97%

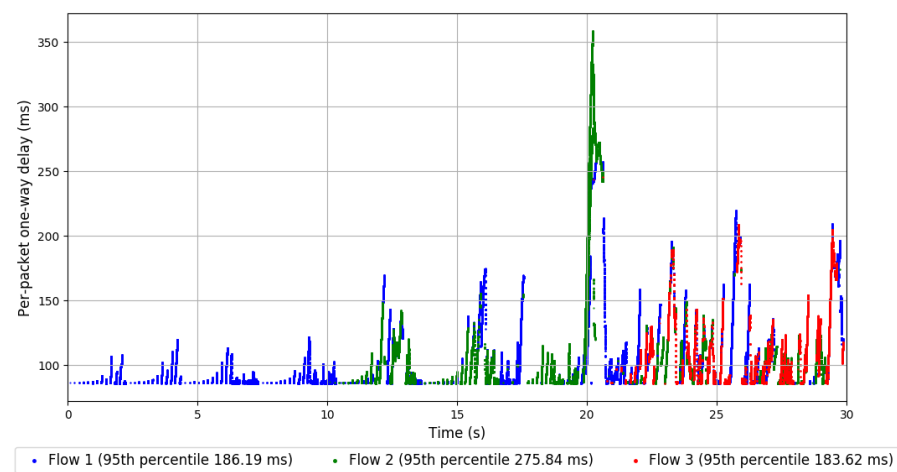
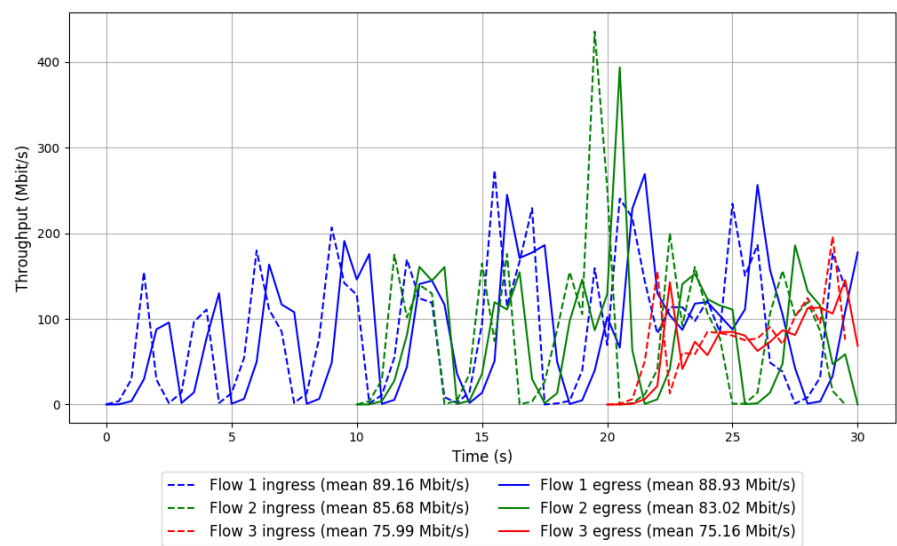
-- Flow 3:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 183.624 ms

Loss rate: 3.87%

Run 8: Report of Verus — Data Link

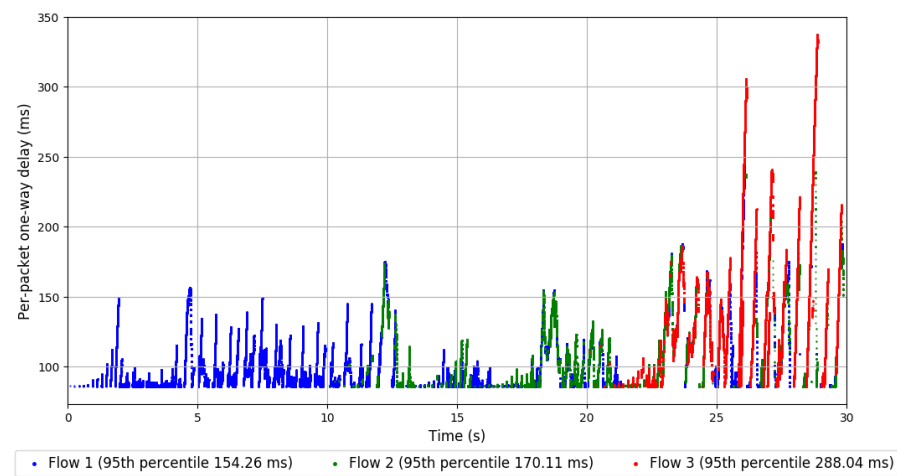
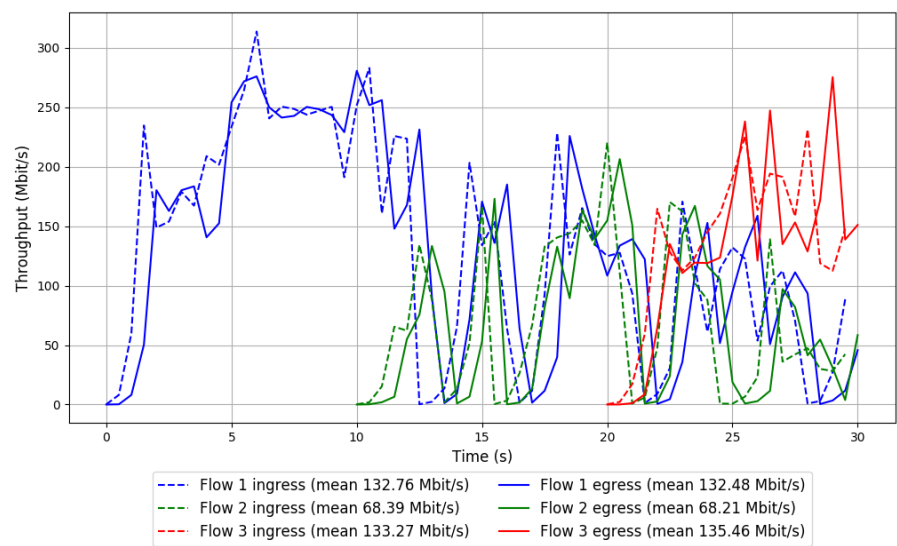


Run 9: Statistics of Verus

Start at: 2018-07-18 19:18:01
End at: 2018-07-18 19:18:31
Local clock offset: -0.325 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-18 22:16:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 180.262 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 132.48 Mbit/s
95th percentile per-packet one-way delay: 154.258 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 170.106 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 135.46 Mbit/s
95th percentile per-packet one-way delay: 288.037 ms
Loss rate: 1.18%

Run 9: Report of Verus — Data Link

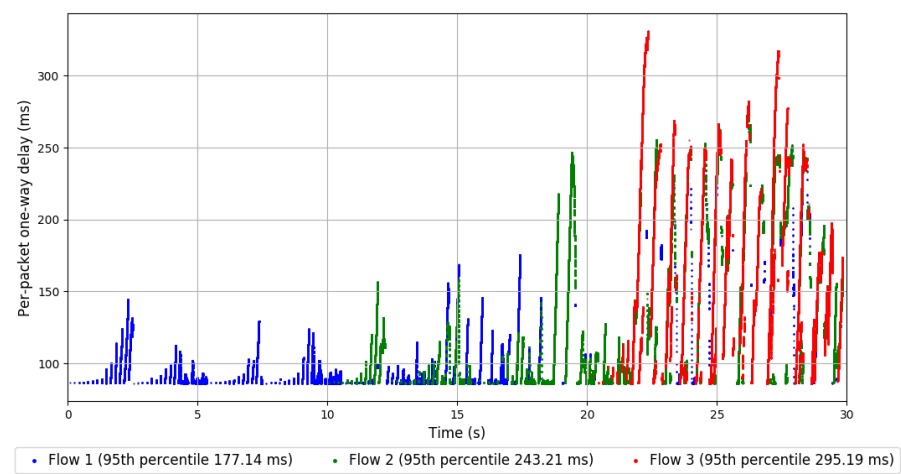
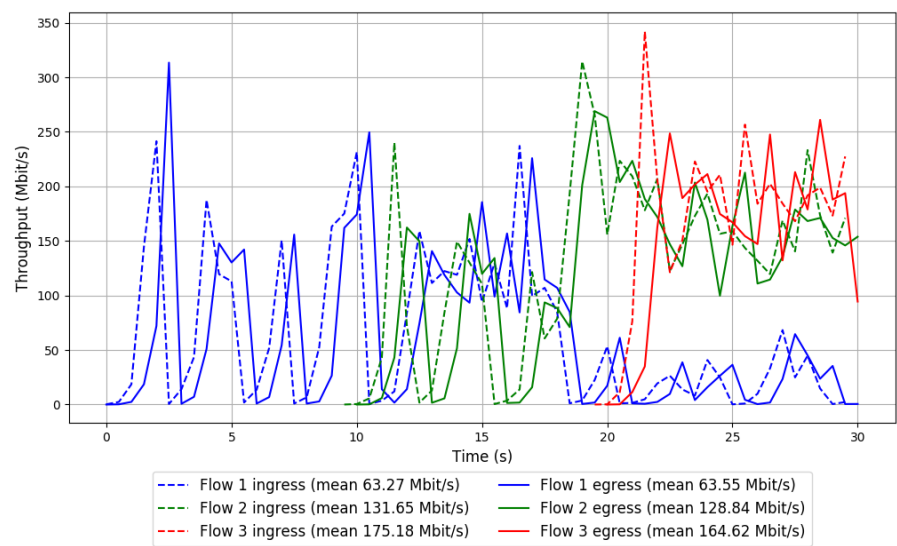


Run 10: Statistics of Verus

Start at: 2018-07-18 19:42:57
End at: 2018-07-18 19:43:27
Local clock offset: -0.055 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-18 22:16:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.68 Mbit/s
95th percentile per-packet one-way delay: 248.875 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 177.137 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 128.84 Mbit/s
95th percentile per-packet one-way delay: 243.213 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 164.62 Mbit/s
95th percentile per-packet one-way delay: 295.190 ms
Loss rate: 7.43%

Run 10: Report of Verus — Data Link

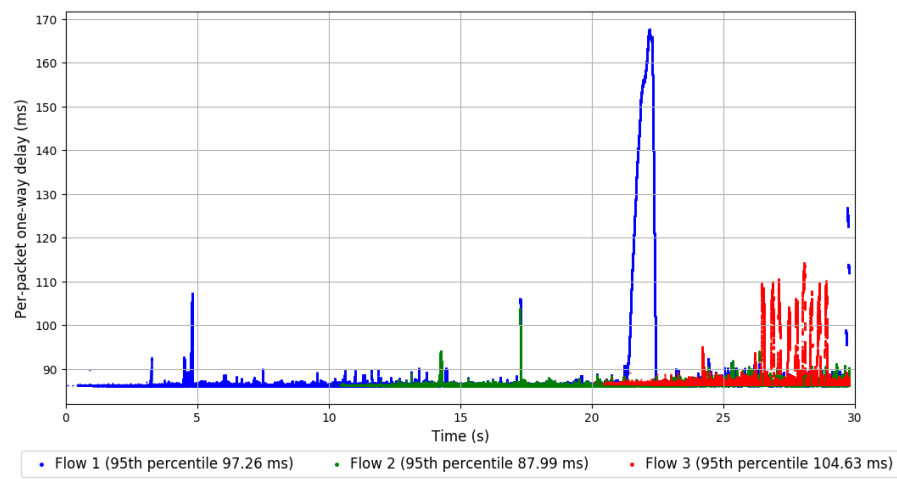
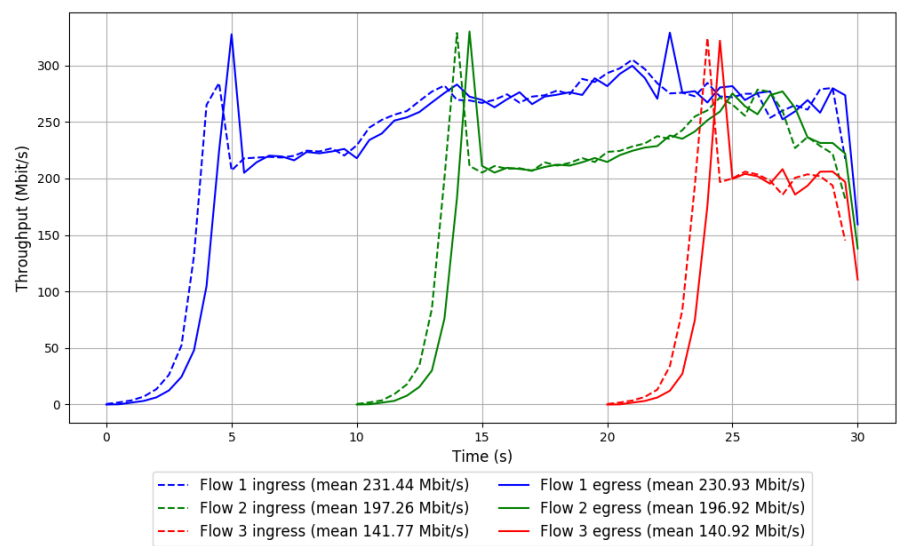


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 15:58:06
End at: 2018-07-18 15:58:36
Local clock offset: -0.07 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-18 22:21:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.51 Mbit/s
95th percentile per-packet one-way delay: 92.149 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 230.93 Mbit/s
95th percentile per-packet one-way delay: 97.257 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 196.92 Mbit/s
95th percentile per-packet one-way delay: 87.987 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 104.634 ms
Loss rate: 2.35%

Run 1: Report of PCC-Vivace — Data Link

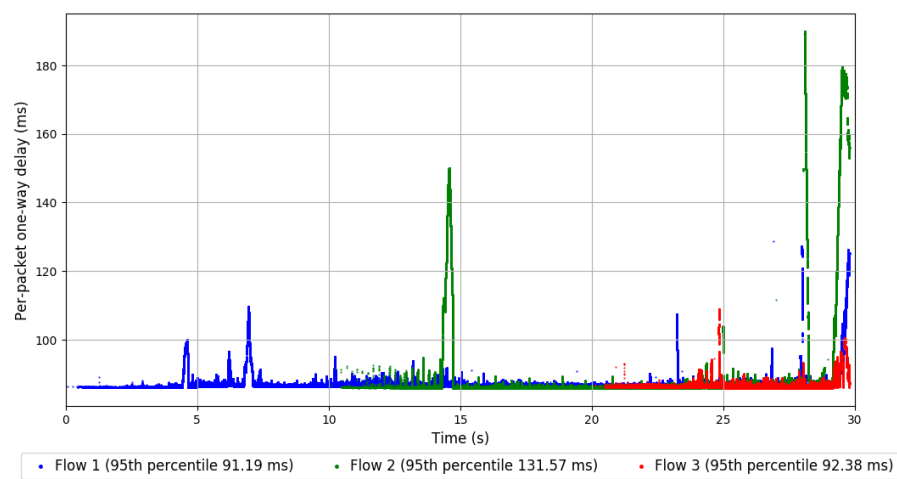
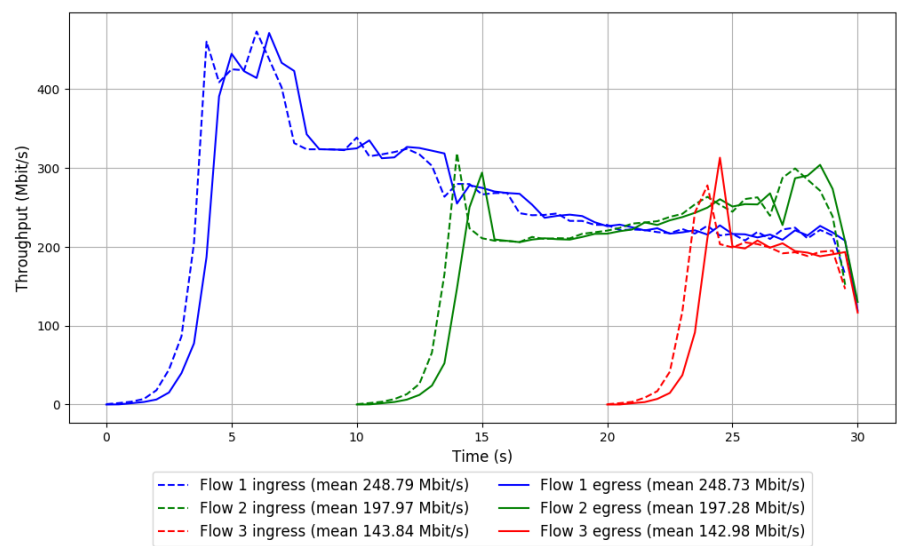


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 16:22:58
End at: 2018-07-18 16:23:28
Local clock offset: -0.221 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-18 22:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.09 Mbit/s
95th percentile per-packet one-way delay: 94.657 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 248.73 Mbit/s
95th percentile per-packet one-way delay: 91.191 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 131.568 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 142.98 Mbit/s
95th percentile per-packet one-way delay: 92.375 ms
Loss rate: 2.36%

Run 2: Report of PCC-Vivace — Data Link

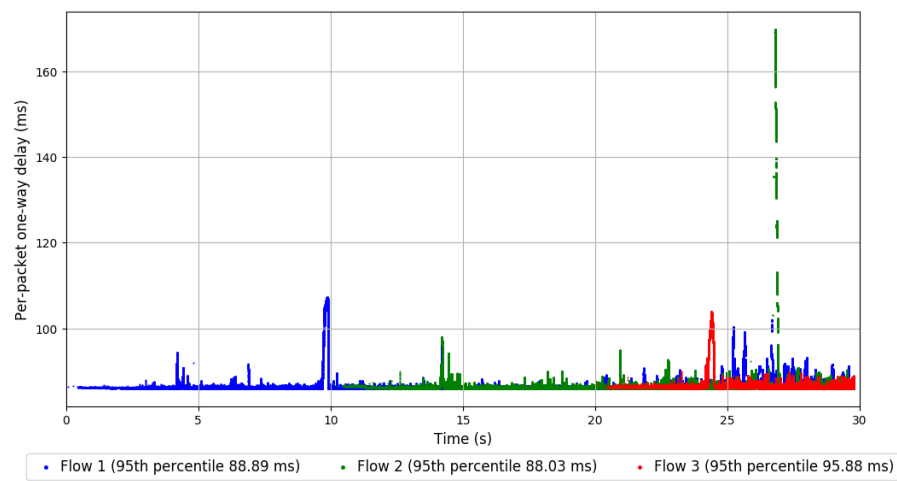
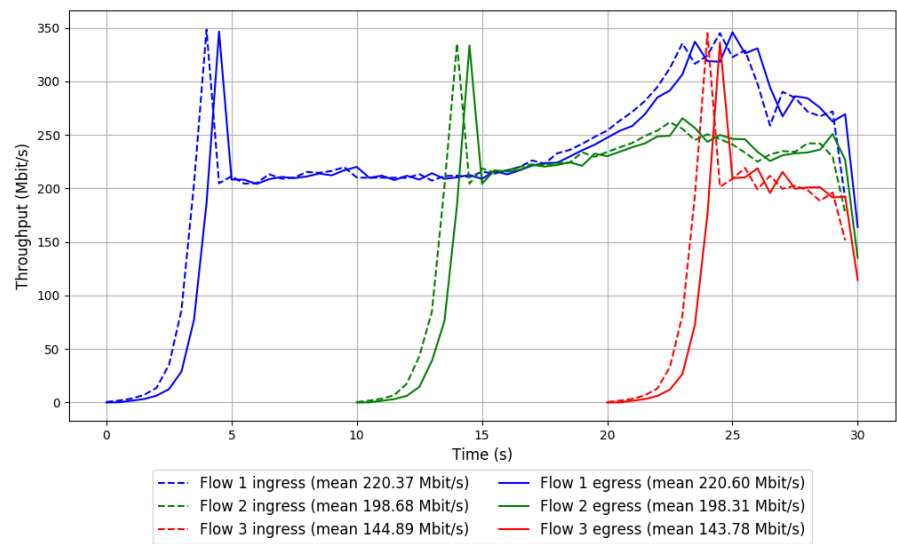


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 16:47:42
End at: 2018-07-18 16:48:12
Local clock offset: -0.171 ms
Remote clock offset: -0.071 ms

```
# Below is generated by plot.py at 2018-07-18 22:22:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.94 Mbit/s
95th percentile per-packet one-way delay: 88.781 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 220.60 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 198.31 Mbit/s
95th percentile per-packet one-way delay: 88.033 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 143.78 Mbit/s
95th percentile per-packet one-way delay: 95.878 ms
Loss rate: 2.52%
```


Run 3: Report of PCC-Vivace — Data Link

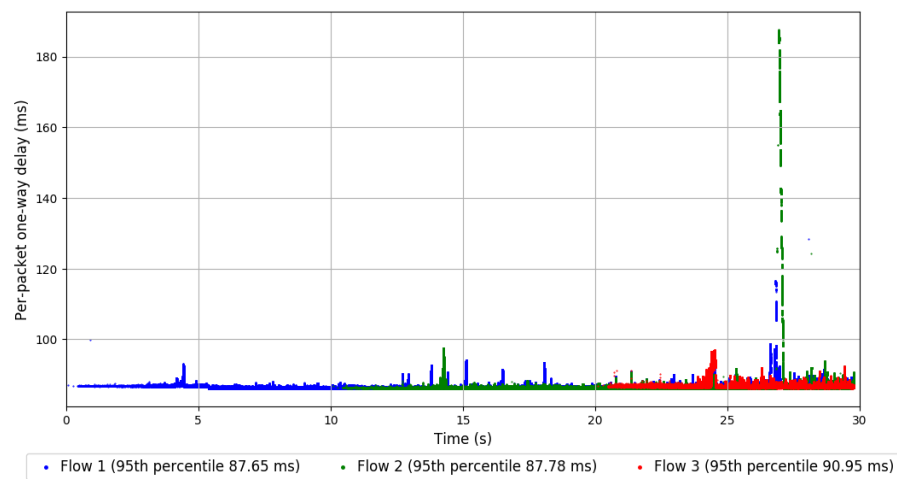
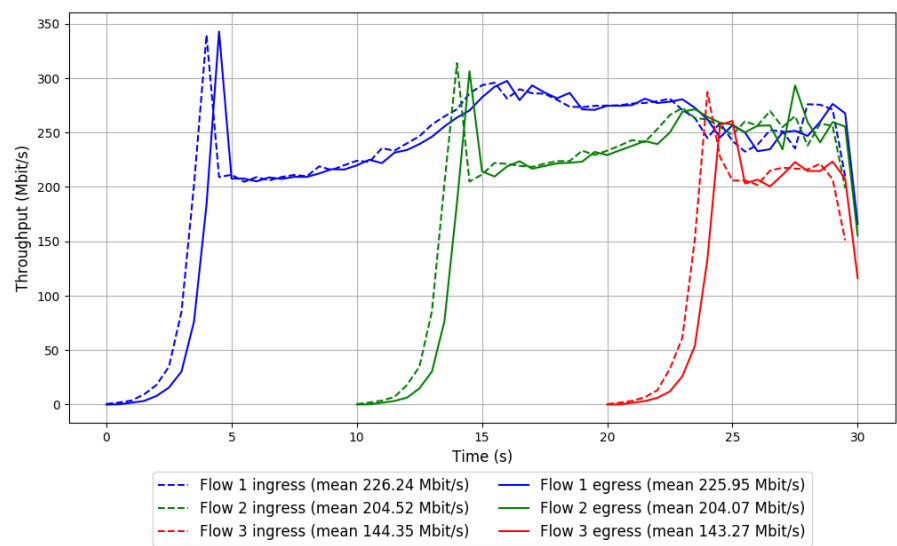


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 17:12:38
End at: 2018-07-18 17:13:08
Local clock offset: 0.085 ms
Remote clock offset: -0.017 ms

```
# Below is generated by plot.py at 2018-07-18 22:22:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.00 Mbit/s
95th percentile per-packet one-way delay: 87.929 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 225.95 Mbit/s
95th percentile per-packet one-way delay: 87.653 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 204.07 Mbit/s
95th percentile per-packet one-way delay: 87.784 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 90.946 ms
Loss rate: 2.50%
```

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 17:37:15

End at: 2018-07-18 17:37:45

Local clock offset: -0.21 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-18 22:23:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.97 Mbit/s

95th percentile per-packet one-way delay: 88.931 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 231.21 Mbit/s

95th percentile per-packet one-way delay: 90.415 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 184.49 Mbit/s

95th percentile per-packet one-way delay: 87.050 ms

Loss rate: 1.00%

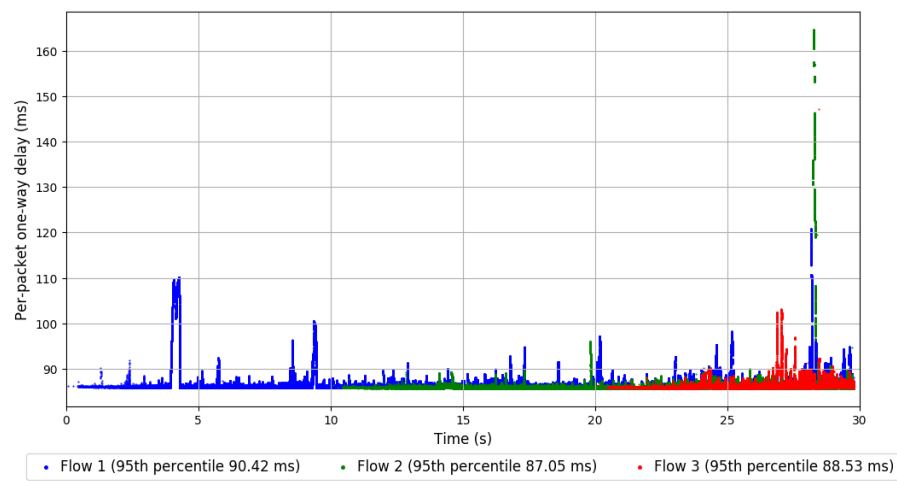
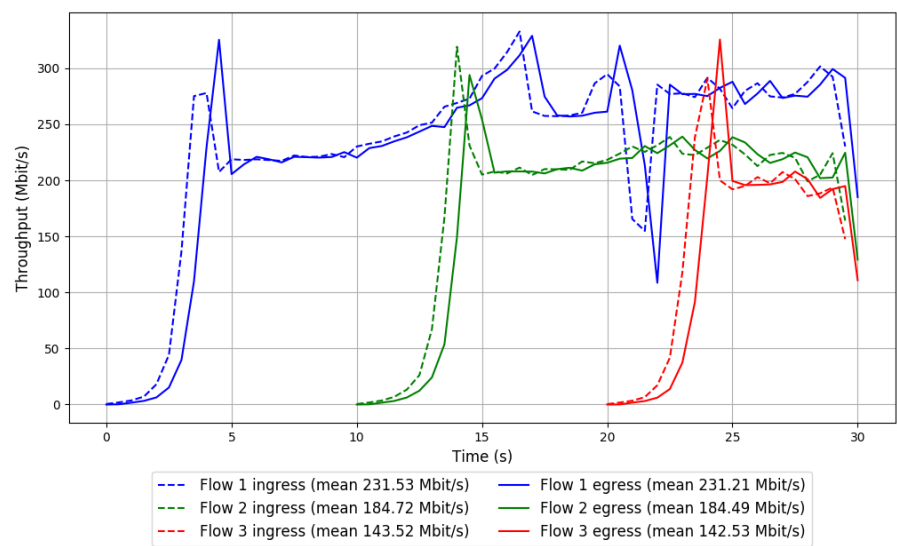
-- Flow 3:

Average throughput: 142.53 Mbit/s

95th percentile per-packet one-way delay: 88.534 ms

Loss rate: 2.43%

Run 5: Report of PCC-Vivace — Data Link

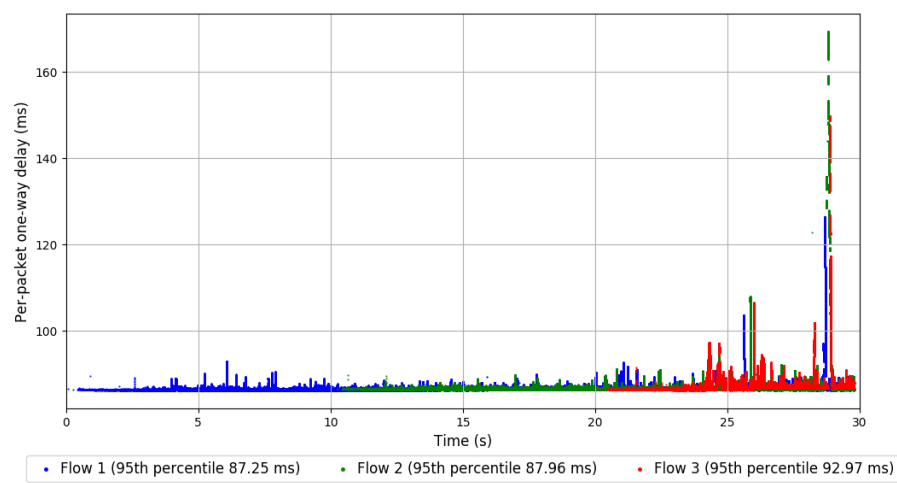
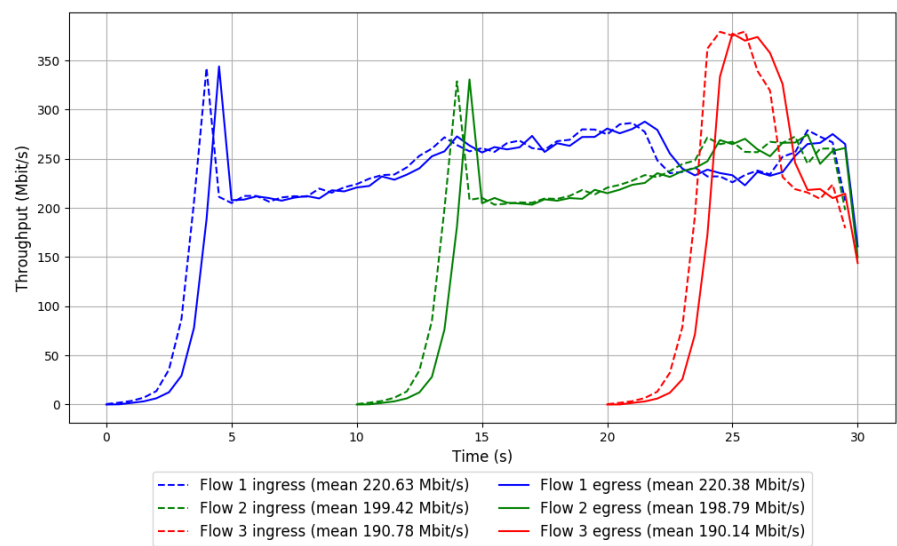


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 18:01:57
End at: 2018-07-18 18:02:27
Local clock offset: 0.088 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-18 22:23:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.16 Mbit/s
95th percentile per-packet one-way delay: 88.218 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 220.38 Mbit/s
95th percentile per-packet one-way delay: 87.254 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 87.956 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 190.14 Mbit/s
95th percentile per-packet one-way delay: 92.969 ms
Loss rate: 2.09%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 18:26:41

End at: 2018-07-18 18:27:11

Local clock offset: -0.29 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-18 22:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.58 Mbit/s

95th percentile per-packet one-way delay: 87.582 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 227.08 Mbit/s

95th percentile per-packet one-way delay: 87.214 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 189.26 Mbit/s

95th percentile per-packet one-way delay: 87.610 ms

Loss rate: 1.07%

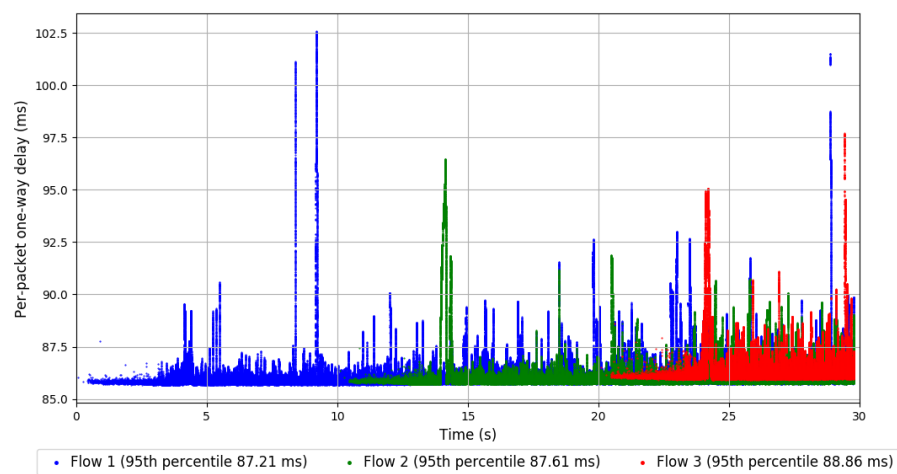
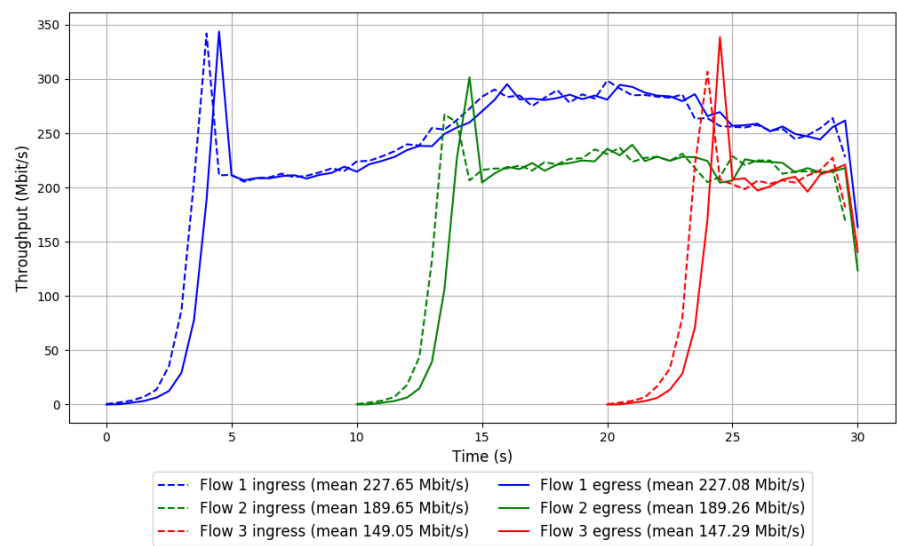
-- Flow 3:

Average throughput: 147.29 Mbit/s

95th percentile per-packet one-way delay: 88.862 ms

Loss rate: 2.92%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 18:51:26

End at: 2018-07-18 18:51:56

Local clock offset: -0.16 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-18 22:24:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.53 Mbit/s

95th percentile per-packet one-way delay: 87.998 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 219.99 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 205.20 Mbit/s

95th percentile per-packet one-way delay: 89.727 ms

Loss rate: 0.75%

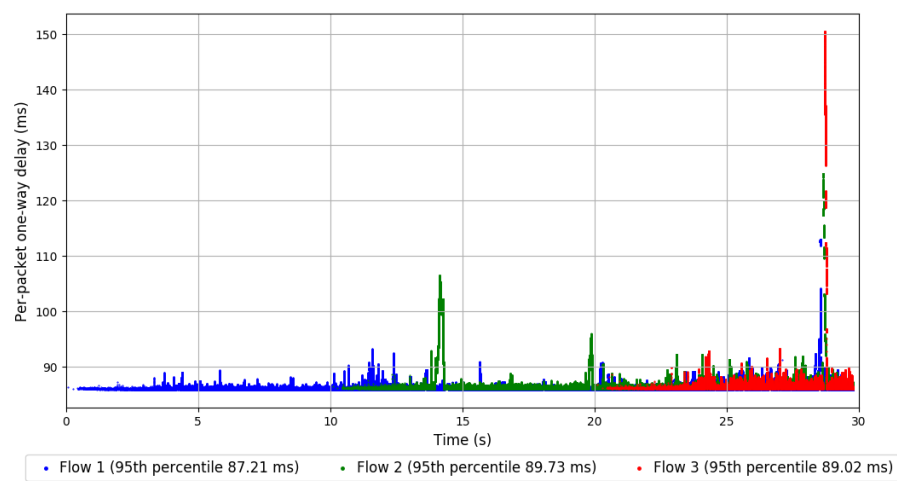
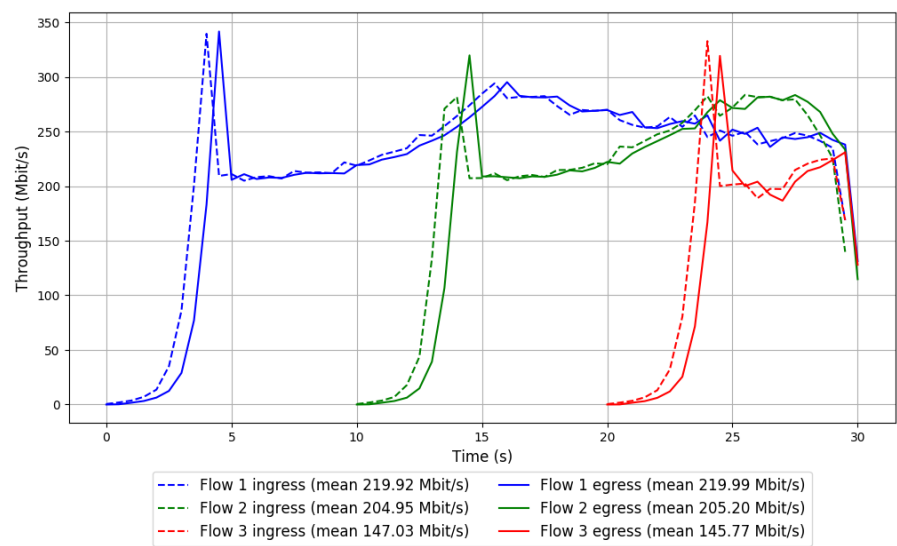
-- Flow 3:

Average throughput: 145.77 Mbit/s

95th percentile per-packet one-way delay: 89.018 ms

Loss rate: 2.60%

Run 8: Report of PCC-Vivace — Data Link

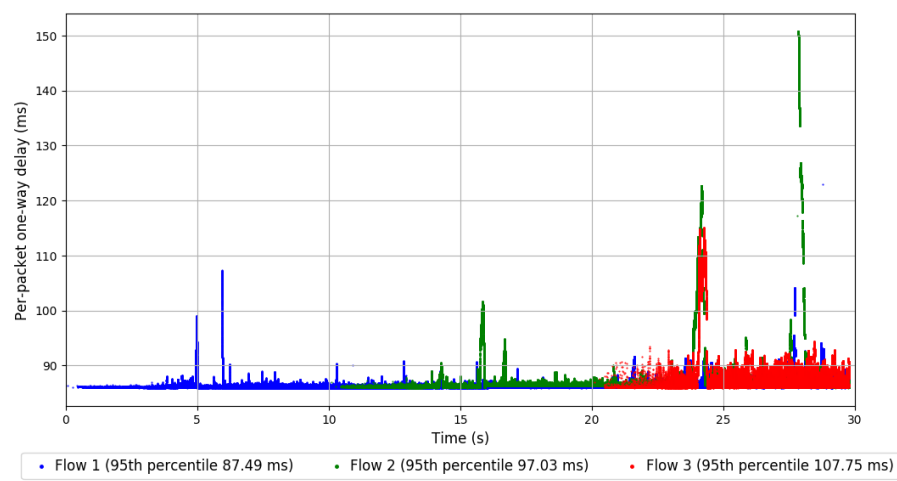
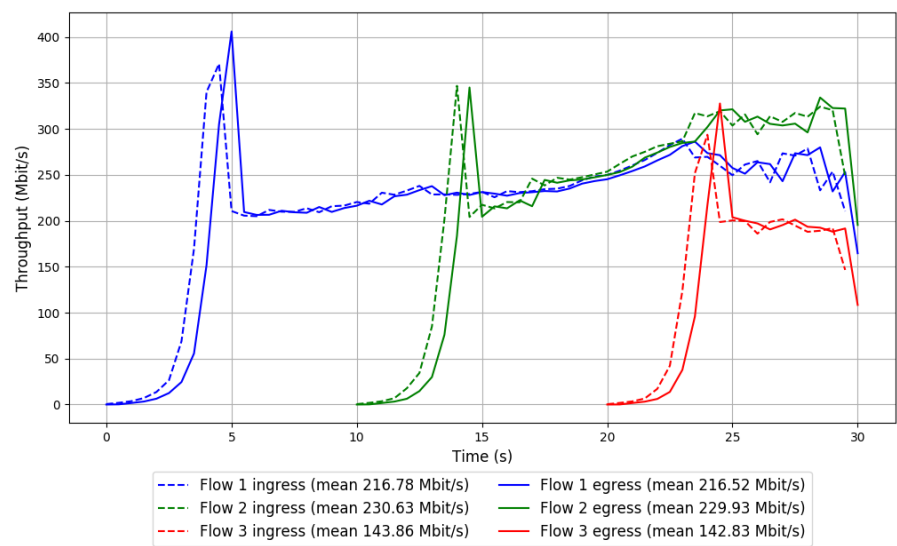


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 19:16:17
End at: 2018-07-18 19:16:47
Local clock offset: -0.228 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.49 Mbit/s
95th percentile per-packet one-way delay: 90.304 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 216.52 Mbit/s
95th percentile per-packet one-way delay: 87.494 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 229.93 Mbit/s
95th percentile per-packet one-way delay: 97.029 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 142.83 Mbit/s
95th percentile per-packet one-way delay: 107.750 ms
Loss rate: 2.49%

Run 9: Report of PCC-Vivace — Data Link

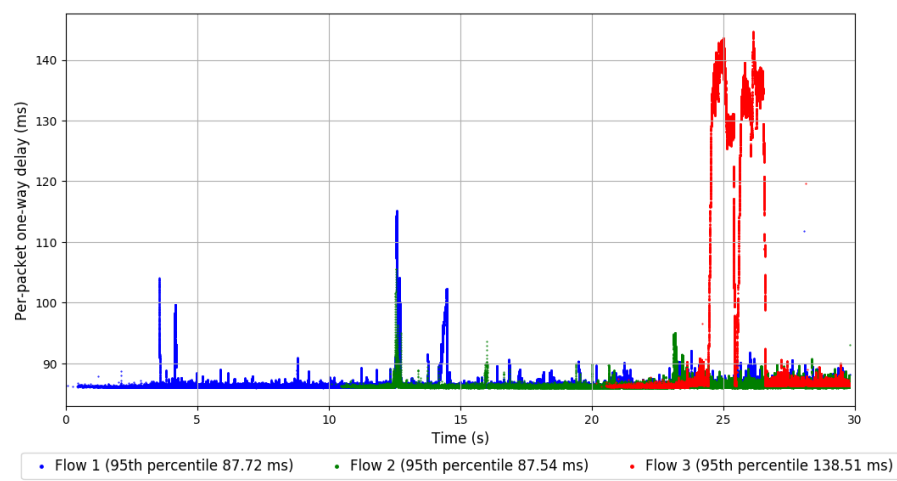
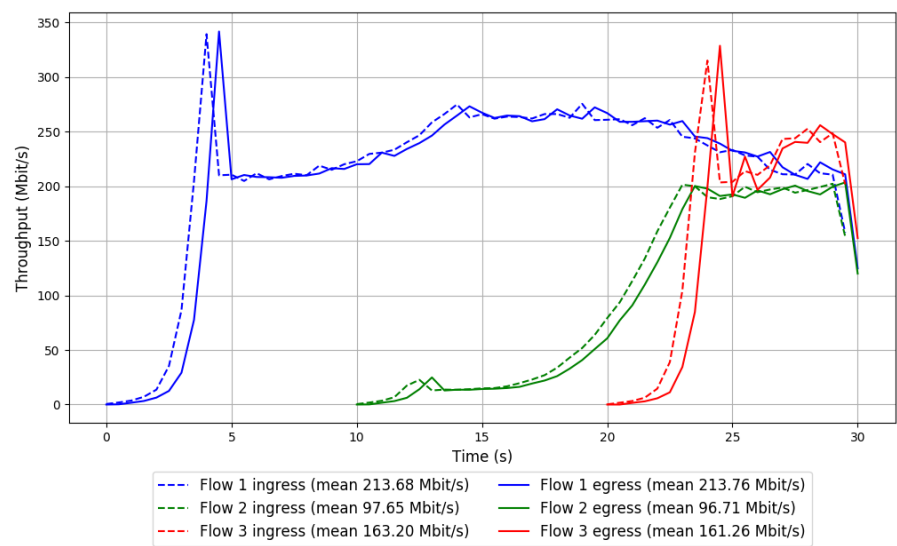


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 19:41:20
End at: 2018-07-18 19:41:50
Local clock offset: -0.081 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.00 Mbit/s
95th percentile per-packet one-way delay: 96.741 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 213.76 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 161.26 Mbit/s
95th percentile per-packet one-way delay: 138.508 ms
Loss rate: 2.94%

Run 10: Report of PCC-Vivace — Data Link

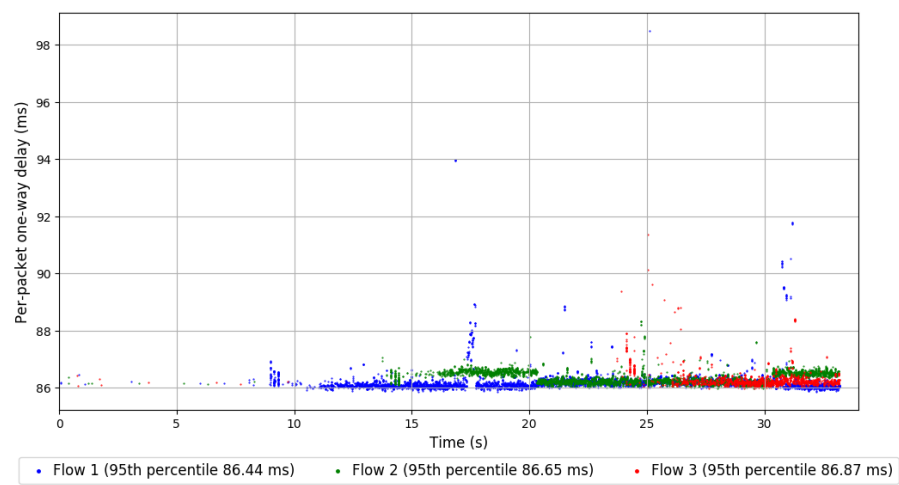
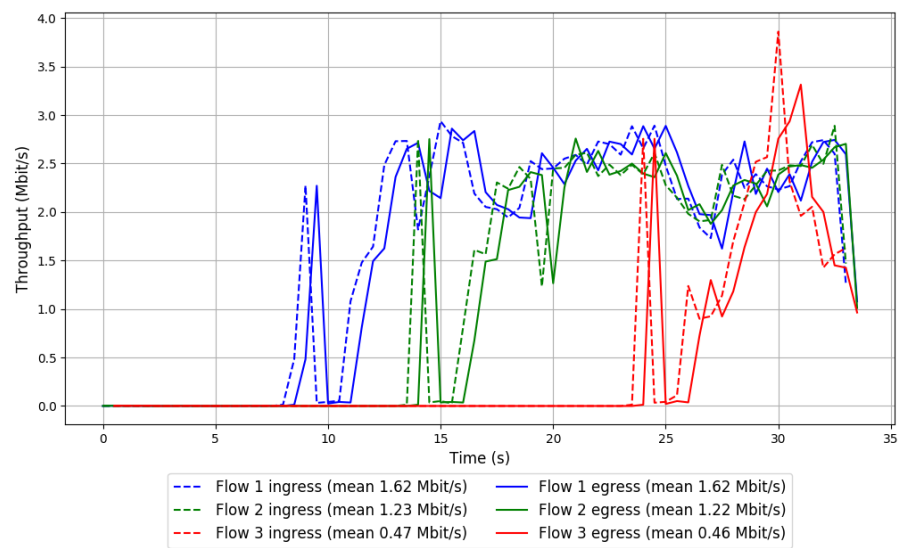


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 16:02:36
End at: 2018-07-18 16:03:06
Local clock offset: -0.243 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 86.631 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.654 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 3.30%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-18 16:27:30

End at: 2018-07-18 16:28:00

Local clock offset: -0.235 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-18 22:24:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 86.608 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 86.423 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 86.670 ms

Loss rate: 1.23%

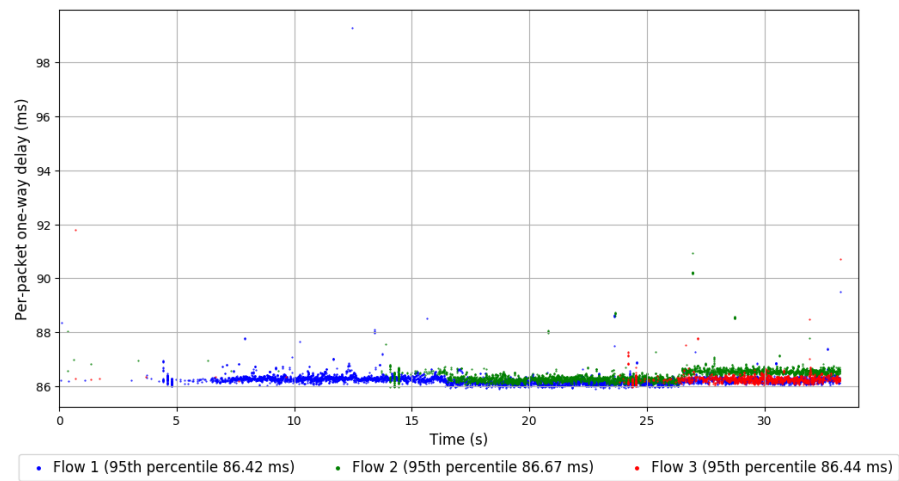
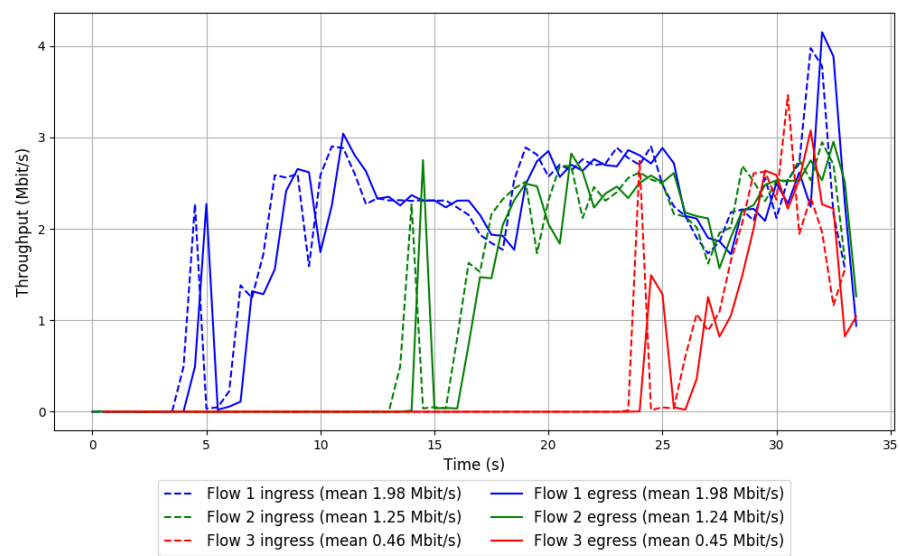
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.442 ms

Loss rate: 3.21%

Run 2: Report of WebRTC media — Data Link

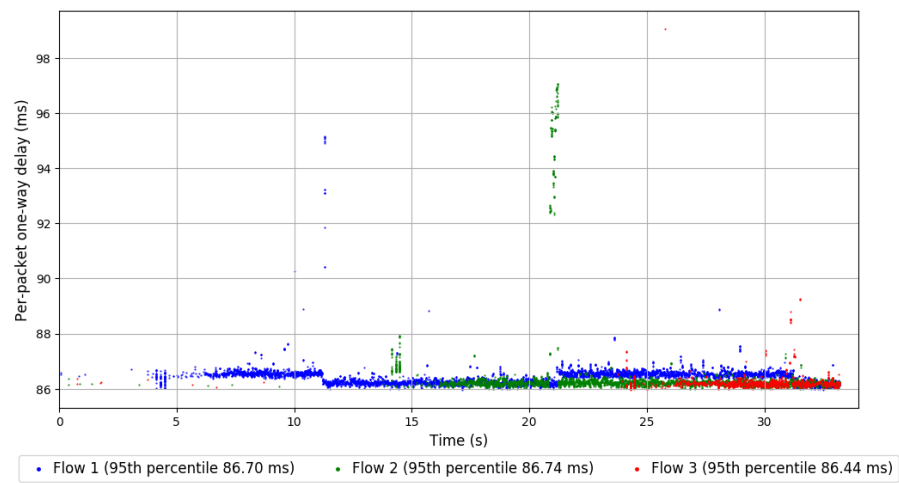
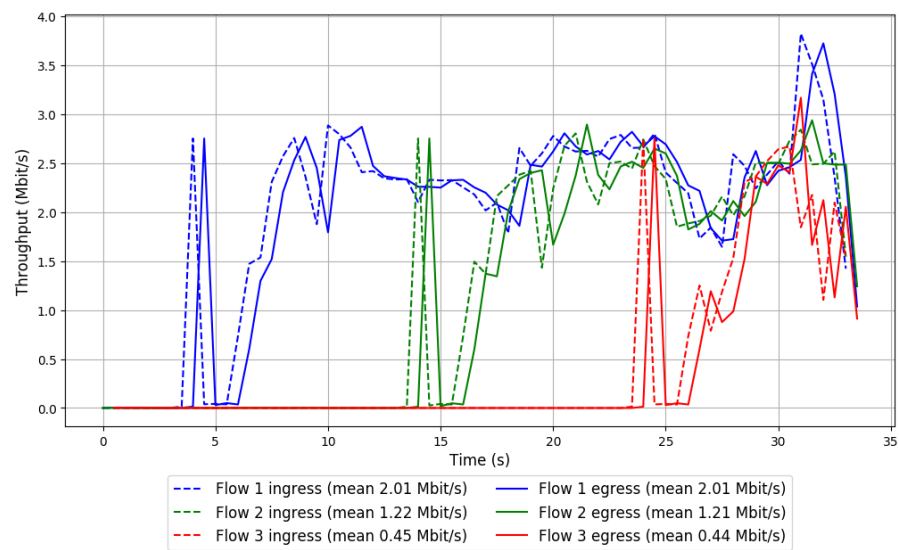


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 16:52:15
End at: 2018-07-18 16:52:45
Local clock offset: -0.164 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.694 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.736 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 3.33%

Run 3: Report of WebRTC media — Data Link

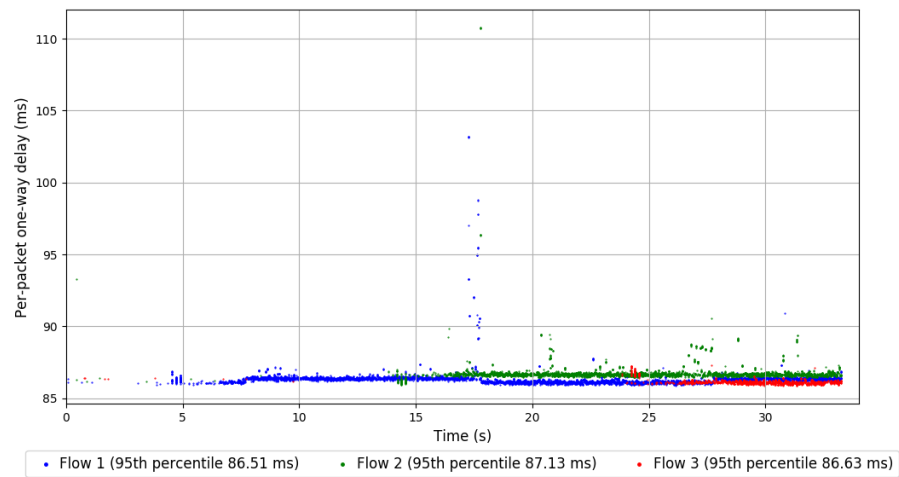
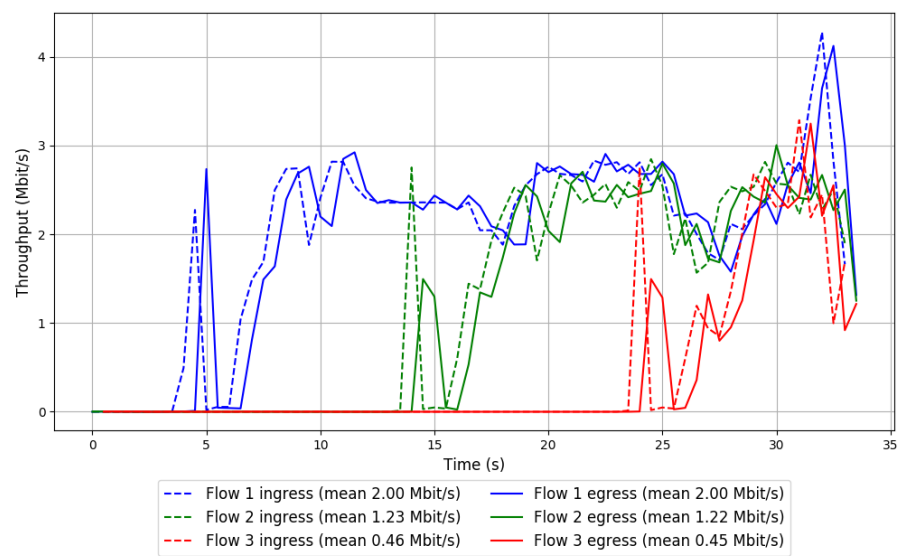


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 17:17:09
End at: 2018-07-18 17:17:39
Local clock offset: -0.115 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.511 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 87.127 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.626 ms
Loss rate: 2.67%

Run 4: Report of WebRTC media — Data Link

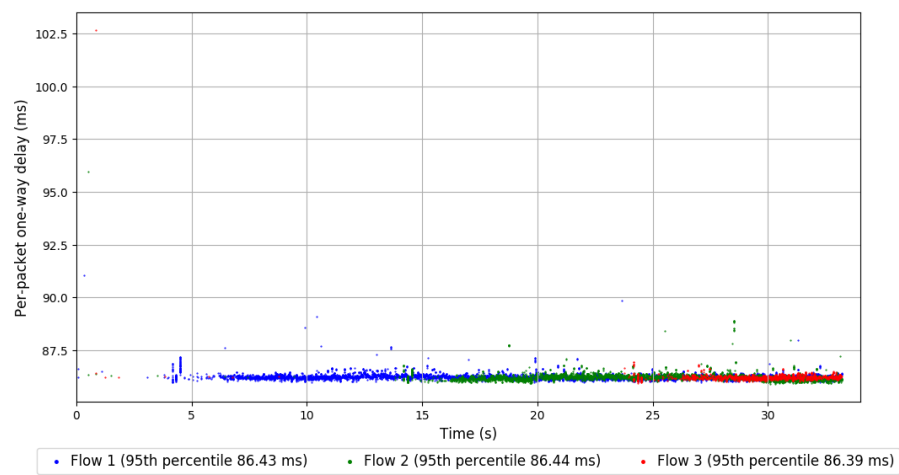
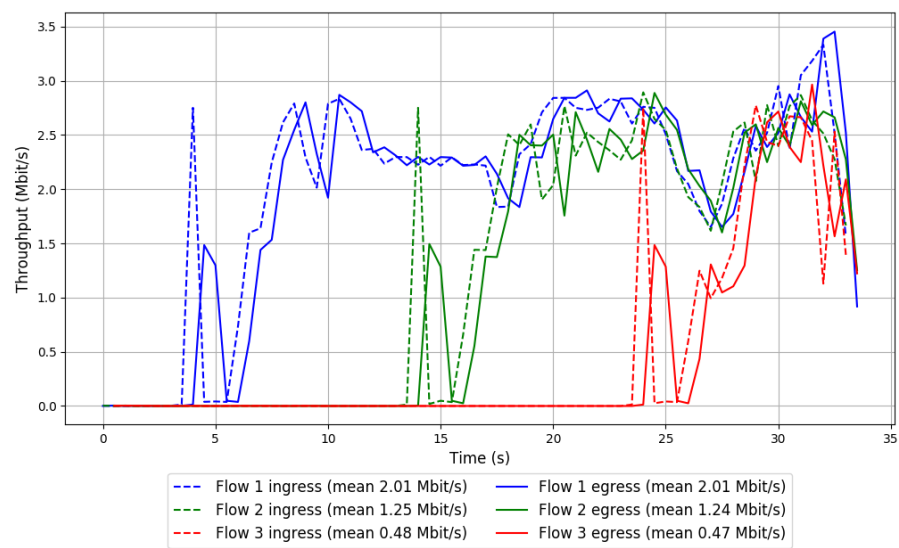


Run 5: Statistics of WebRTC media

Start at: 2018-07-18 17:41:47
End at: 2018-07-18 17:42:17
Local clock offset: -0.125 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.429 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 86.443 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.390 ms
Loss rate: 2.62%

Run 5: Report of WebRTC media — Data Link

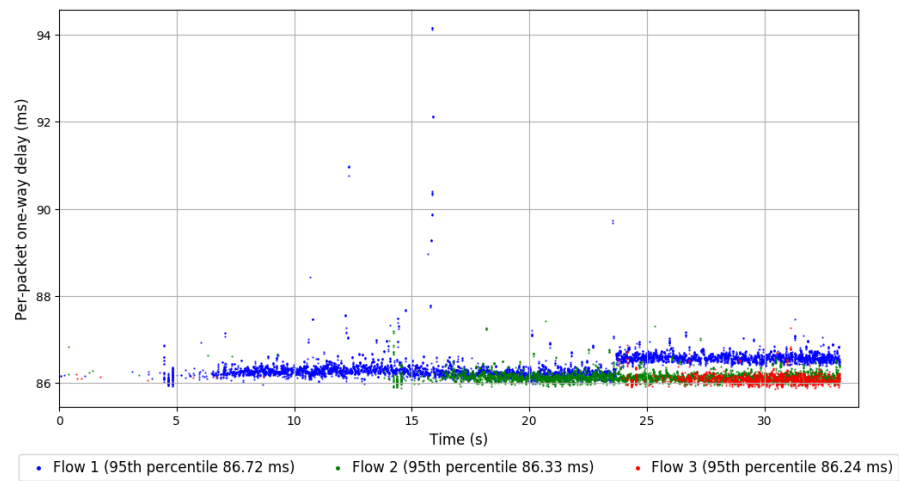
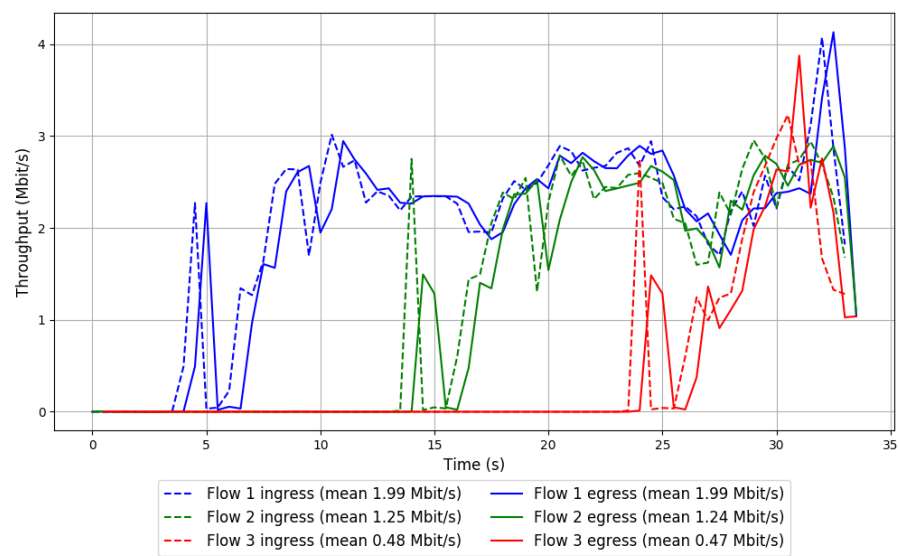


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 18:06:23
End at: 2018-07-18 18:06:53
Local clock offset: -0.142 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 86.325 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.242 ms
Loss rate: 1.91%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-18 18:31:12

End at: 2018-07-18 18:31:42

Local clock offset: -0.09 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-18 22:24:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 86.700 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.321 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.387 ms

Loss rate: 1.02%

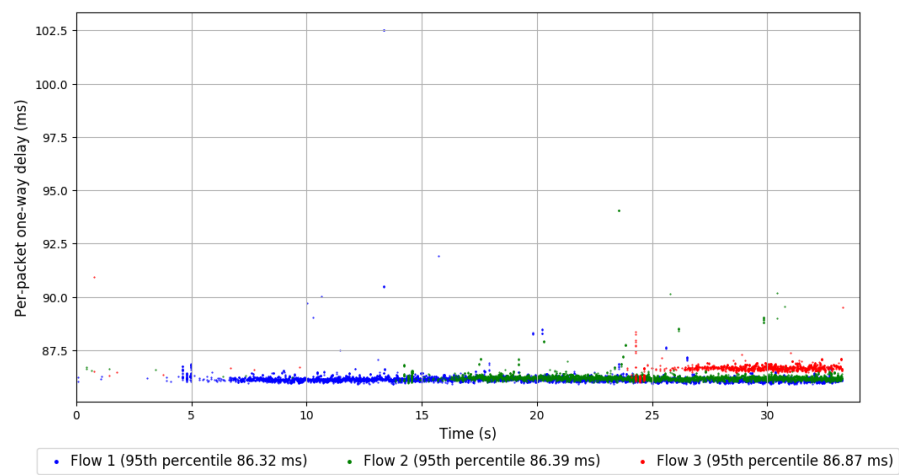
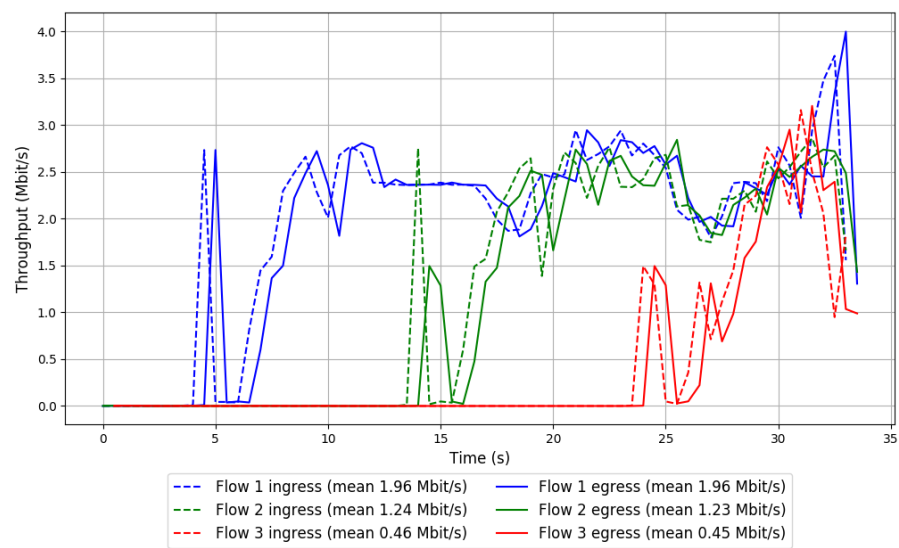
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.873 ms

Loss rate: 3.19%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-18 18:55:54

End at: 2018-07-18 18:56:24

Local clock offset: -0.041 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-18 22:24:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.486 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 1.41%

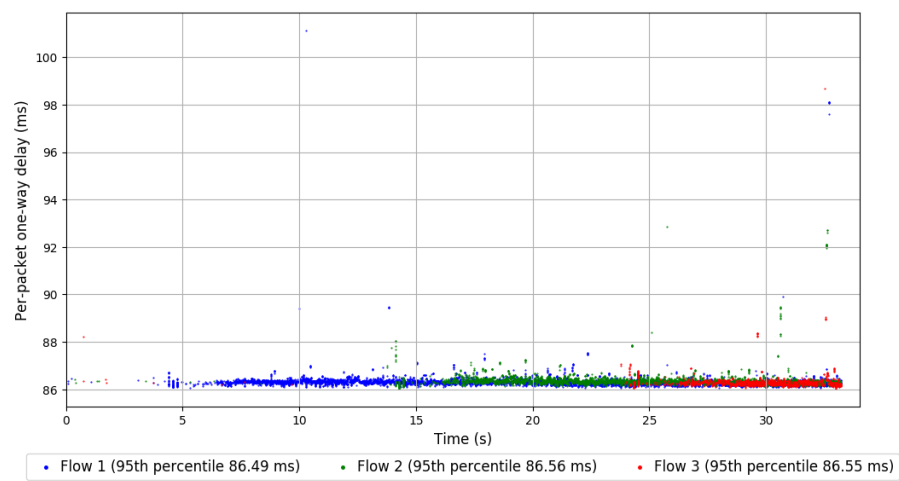
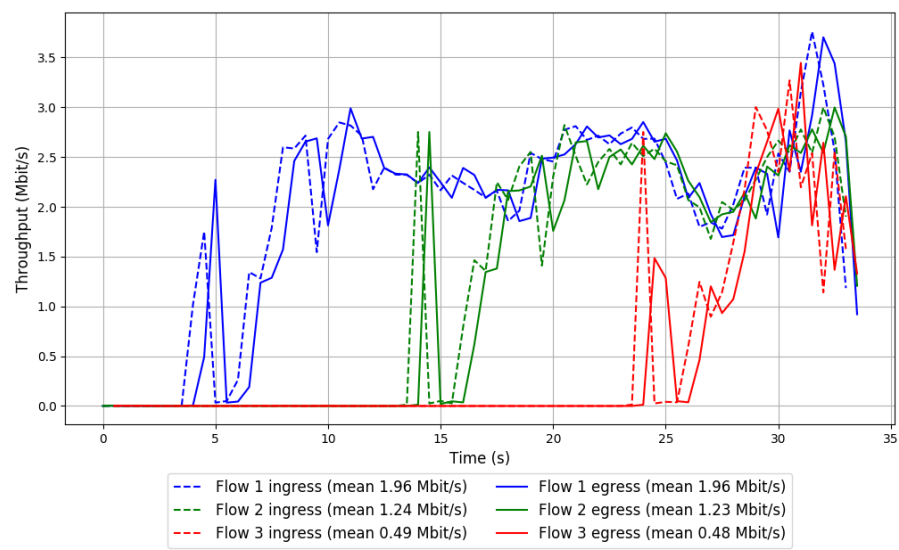
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 86.554 ms

Loss rate: 2.60%

Run 8: Report of WebRTC media — Data Link

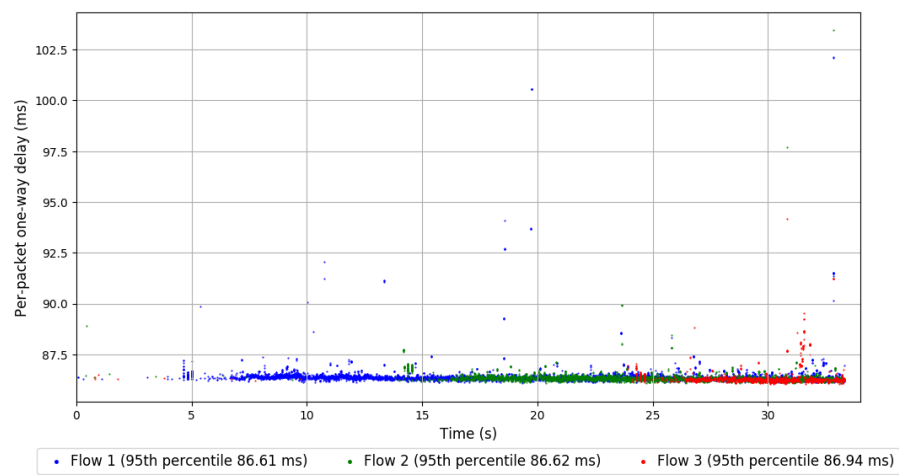
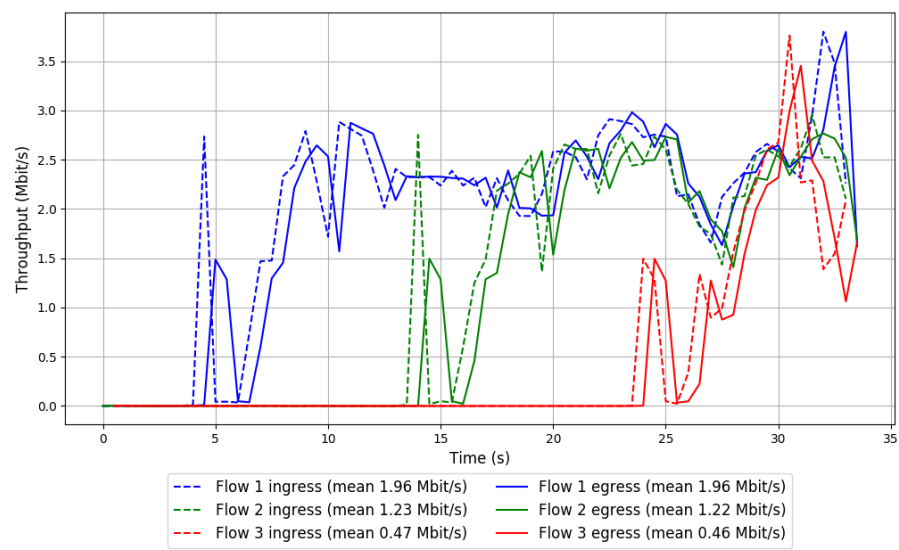


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 19:20:54
End at: 2018-07-18 19:21:24
Local clock offset: -0.087 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.631 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.614 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.935 ms
Loss rate: 3.10%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 19:45:46
End at: 2018-07-18 19:46:16
Local clock offset: -0.151 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-18 22:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 86.462 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 86.308 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.317 ms
Loss rate: 3.08%

Run 10: Report of WebRTC media — Data Link

