

Pantheon Report

Generated at 2018-07-25 21:38:17 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

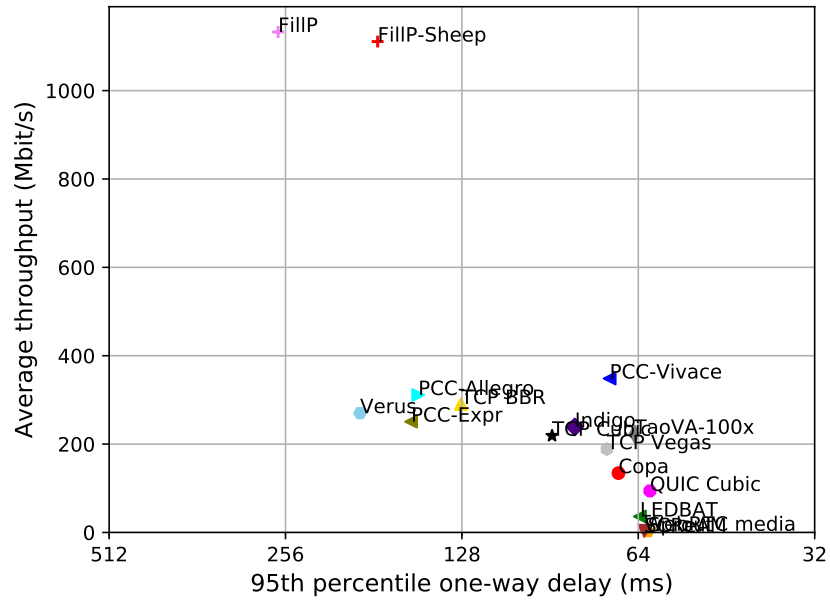
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

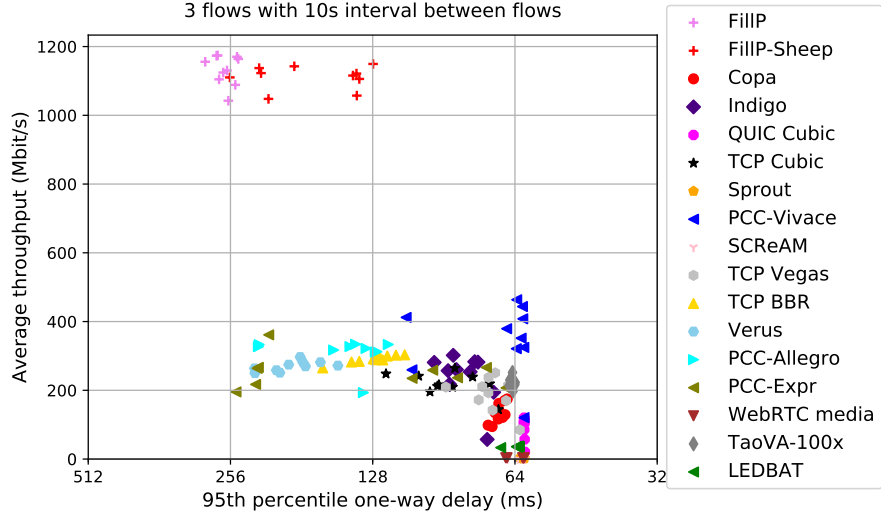
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quick @ 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 Tokyo, 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 Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



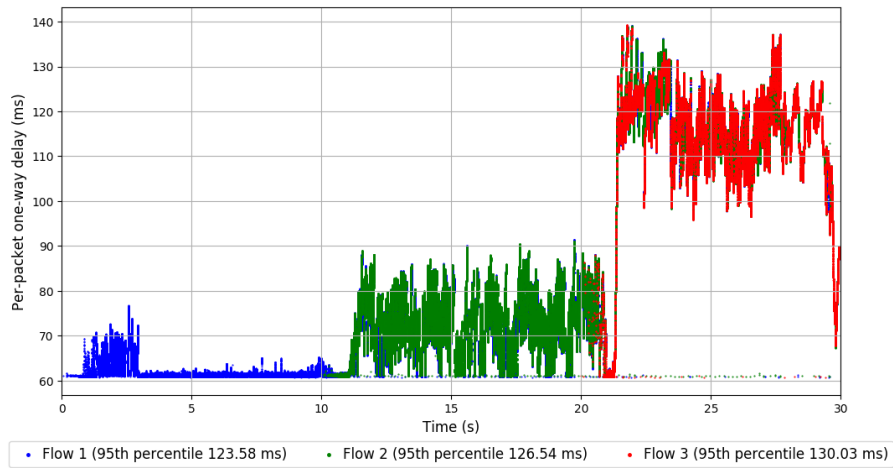
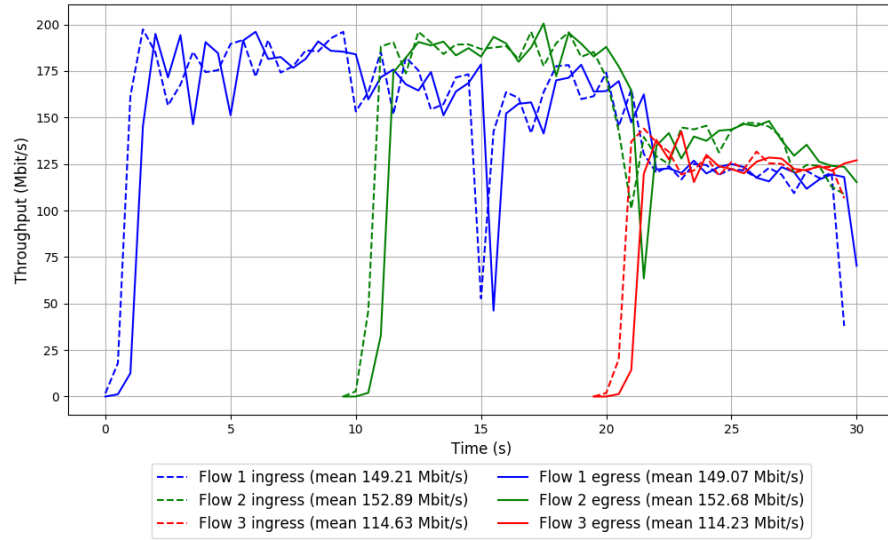
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	155.53	142.01	122.01	124.12	128.30	136.62	0.12	0.22	0.55
Copa	10	69.57	69.60	60.40	68.79	69.41	70.48	0.00	0.01	0.04
TCP Cubic	10	110.86	104.90	115.01	87.23	89.47	93.68	0.07	0.21	0.17
FillP	10	579.49	569.90	524.31	257.30	272.91	246.10	0.72	1.13	1.63
FillP-Sheep	10	565.46	556.92	525.40	164.58	158.83	145.38	0.23	0.40	0.59
Indigo	10	126.66	122.43	95.47	77.51	81.09	89.80	0.02	0.03	0.09
LEDBAT	10	23.57	15.07	7.54	63.62	63.62	63.32	0.01	0.00	0.00
PCC-Allegro	10	245.04	83.70	31.39	149.10	152.80	134.62	0.39	0.35	0.61
PCC-Expr	10	153.69	118.94	54.33	152.09	156.38	160.69	1.51	2.18	3.59
QUIC Cubic	10	47.42	48.22	44.70	61.18	61.14	61.20	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	62.18	61.22	61.74	0.00	0.00	0.00
Sprout	10	0.88	1.13	2.00	61.54	61.59	62.24	0.00	0.00	0.00
TaoVA-100x	10	131.38	108.28	68.85	63.82	66.11	68.63	0.00	0.00	0.00
TCP Vegas	10	109.22	86.51	65.13	71.04	71.59	73.30	0.01	0.03	0.04
Verus	10	169.94	113.44	77.53	174.51	196.79	199.25	0.51	1.23	0.89
PCC-Vivace	10	216.59	145.77	105.42	66.66	71.34	62.18	0.01	0.01	0.01
WebRTC media	10	2.00	1.37	0.53	61.39	62.48	61.92	0.01	0.03	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 15:03:36
End at: 2018-07-25 15:04:06
Local clock offset: -0.138 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-25 19:21:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.06 Mbit/s
95th percentile per-packet one-way delay: 126.139 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 149.07 Mbit/s
95th percentile per-packet one-way delay: 123.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.68 Mbit/s
95th percentile per-packet one-way delay: 126.538 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 114.23 Mbit/s
95th percentile per-packet one-way delay: 130.026 ms
Loss rate: 0.34%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 15:27:33

End at: 2018-07-25 15:28:03

Local clock offset: -0.083 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-25 19:21:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.42 Mbit/s

95th percentile per-packet one-way delay: 121.944 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 157.31 Mbit/s

95th percentile per-packet one-way delay: 119.441 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 130.97 Mbit/s

95th percentile per-packet one-way delay: 121.774 ms

Loss rate: 0.21%

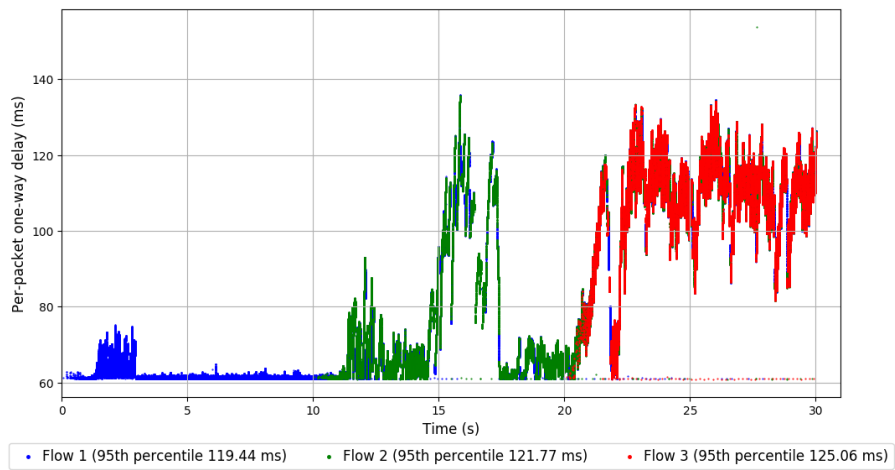
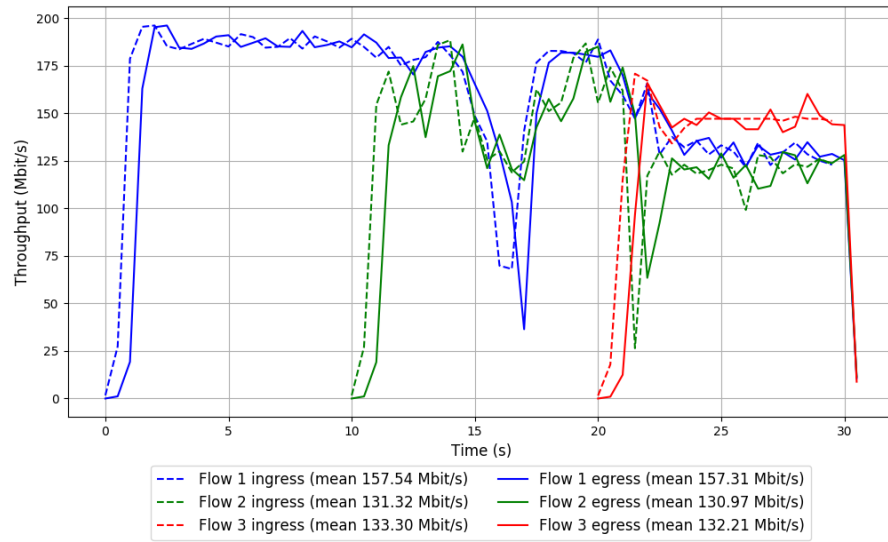
-- Flow 3:

Average throughput: 132.21 Mbit/s

95th percentile per-packet one-way delay: 125.060 ms

Loss rate: 0.88%

Run 2: Report of TCP BBR — Data Link

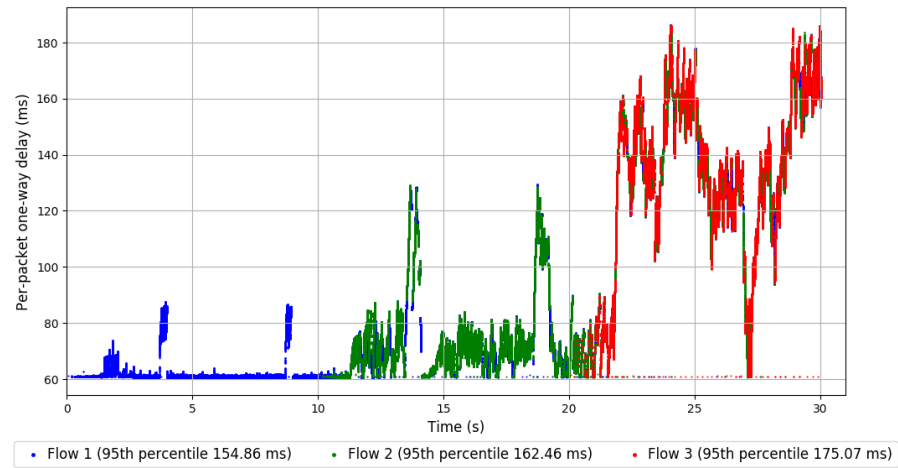
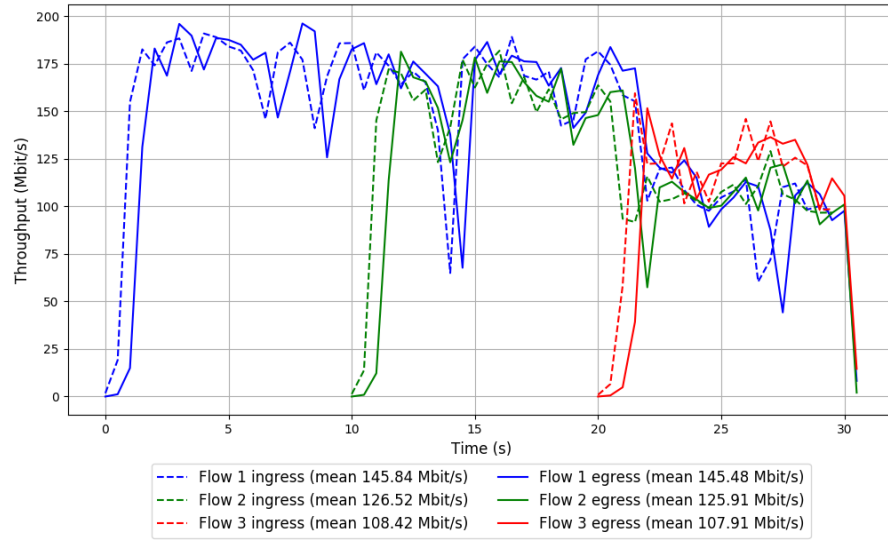


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 15:51:46
End at: 2018-07-25 15:52:16
Local clock offset: -0.115 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-25 19:21:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.19 Mbit/s
95th percentile per-packet one-way delay: 163.320 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 145.48 Mbit/s
95th percentile per-packet one-way delay: 154.856 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 125.91 Mbit/s
95th percentile per-packet one-way delay: 162.463 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 107.91 Mbit/s
95th percentile per-packet one-way delay: 175.071 ms
Loss rate: 0.49%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-25 16:15:36

End at: 2018-07-25 16:16:06

Local clock offset: -0.05 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-25 19:21:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.06 Mbit/s

95th percentile per-packet one-way delay: 136.669 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 151.53 Mbit/s

95th percentile per-packet one-way delay: 130.313 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 141.93 Mbit/s

95th percentile per-packet one-way delay: 135.891 ms

Loss rate: 0.28%

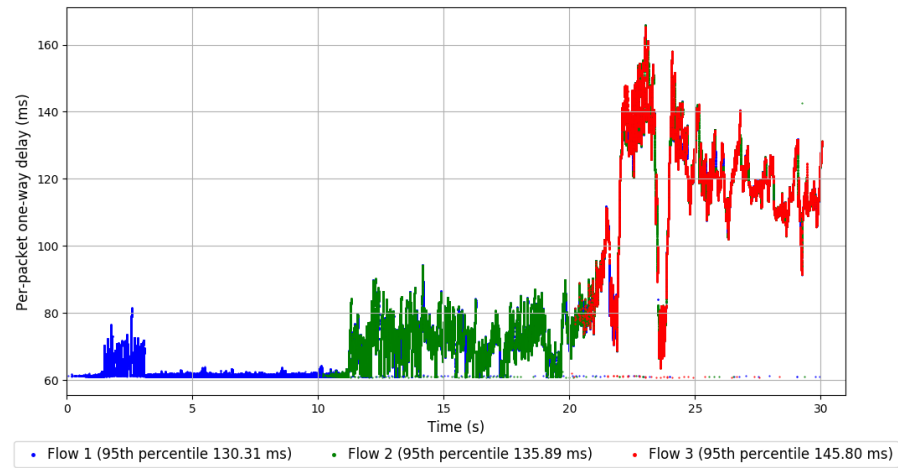
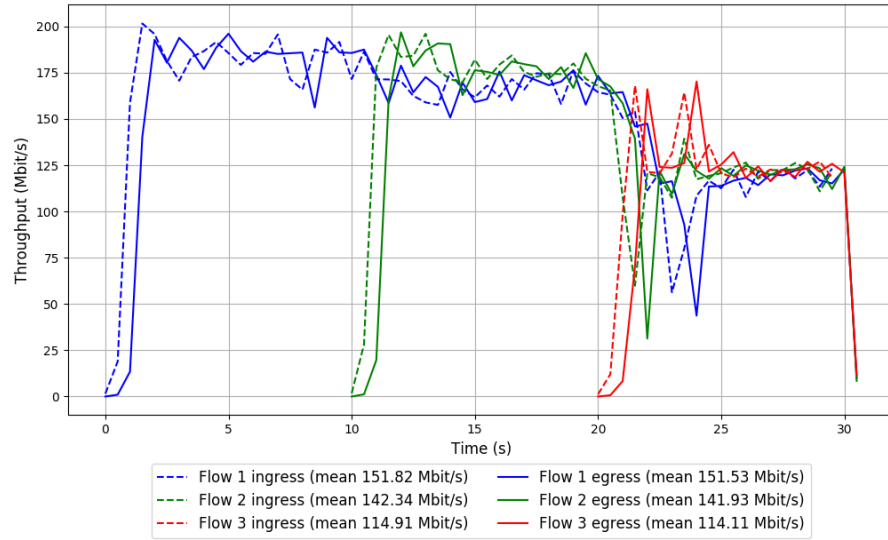
-- Flow 3:

Average throughput: 114.11 Mbit/s

95th percentile per-packet one-way delay: 145.800 ms

Loss rate: 0.70%

Run 4: Report of TCP BBR — Data Link

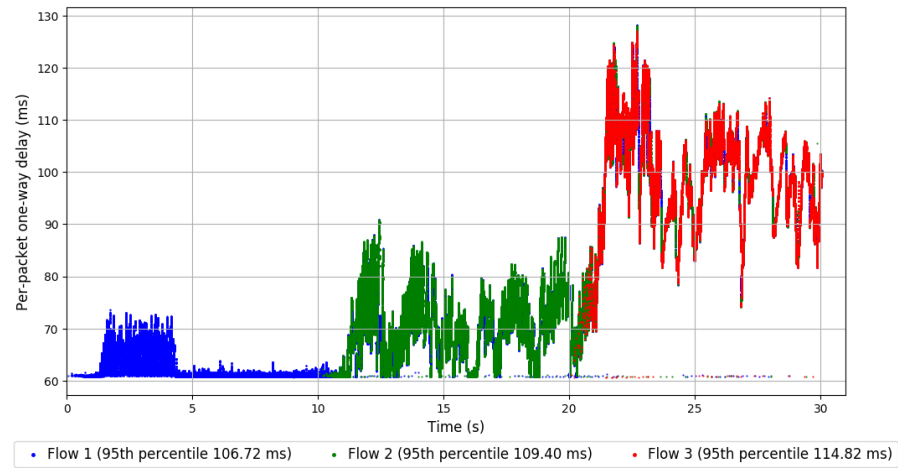
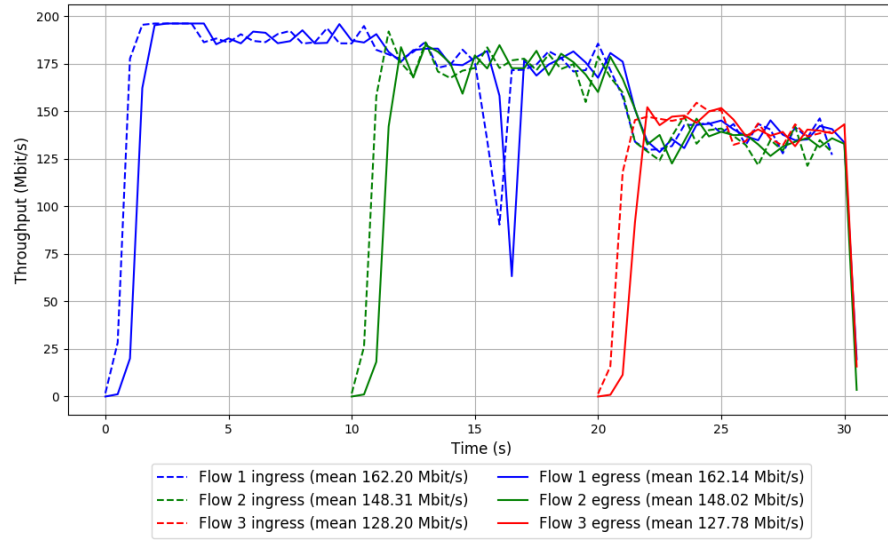


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 16:39:24
End at: 2018-07-25 16:39:54
Local clock offset: -0.051 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-25 19:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.20 Mbit/s
95th percentile per-packet one-way delay: 109.545 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 162.14 Mbit/s
95th percentile per-packet one-way delay: 106.724 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 148.02 Mbit/s
95th percentile per-packet one-way delay: 109.400 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 127.78 Mbit/s
95th percentile per-packet one-way delay: 114.821 ms
Loss rate: 0.30%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-25 17:03:38

End at: 2018-07-25 17:04:08

Local clock offset: -0.09 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-25 19:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.28 Mbit/s

95th percentile per-packet one-way delay: 114.301 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 161.52 Mbit/s

95th percentile per-packet one-way delay: 112.077 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 145.16 Mbit/s

95th percentile per-packet one-way delay: 114.140 ms

Loss rate: 0.21%

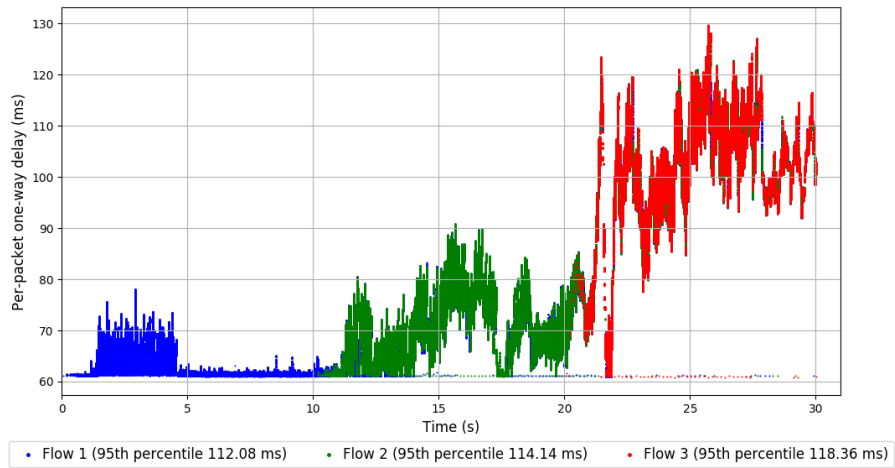
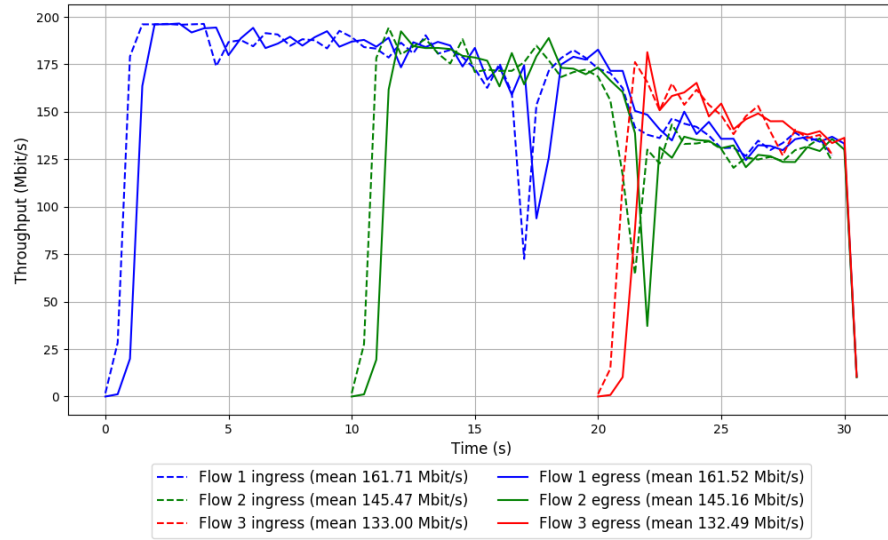
-- Flow 3:

Average throughput: 132.49 Mbit/s

95th percentile per-packet one-way delay: 118.356 ms

Loss rate: 0.38%

Run 6: Report of TCP BBR — Data Link

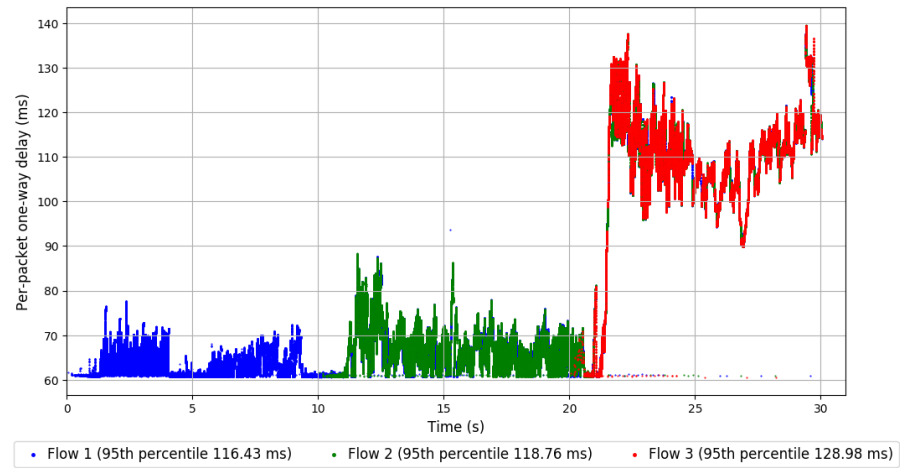
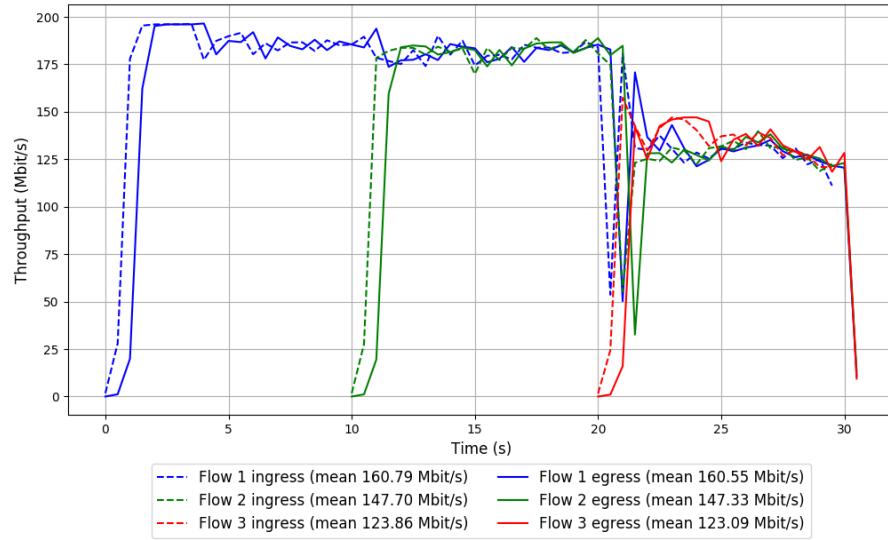


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 17:27:54
End at: 2018-07-25 17:28:24
Local clock offset: 0.001 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-25 19:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.66 Mbit/s
95th percentile per-packet one-way delay: 119.209 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 160.55 Mbit/s
95th percentile per-packet one-way delay: 116.430 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 147.33 Mbit/s
95th percentile per-packet one-way delay: 118.763 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 128.978 ms
Loss rate: 0.60%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-25 17:52:15

End at: 2018-07-25 17:52:45

Local clock offset: 0.052 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-07-25 19:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.42 Mbit/s

95th percentile per-packet one-way delay: 124.155 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 160.23 Mbit/s

95th percentile per-packet one-way delay: 118.578 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 147.21 Mbit/s

95th percentile per-packet one-way delay: 123.942 ms

Loss rate: 0.13%

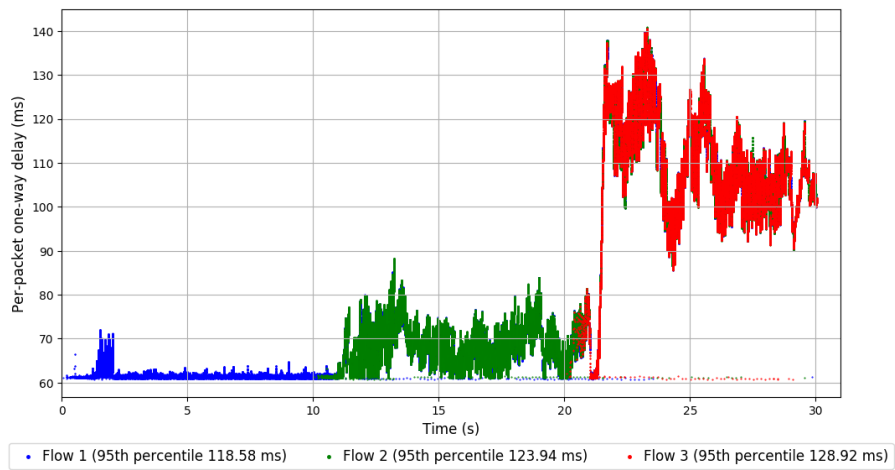
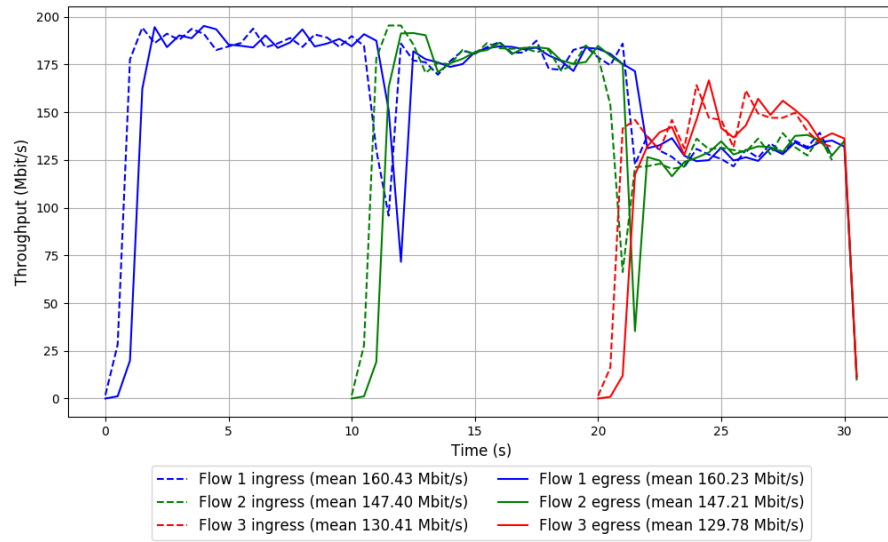
-- Flow 3:

Average throughput: 129.78 Mbit/s

95th percentile per-packet one-way delay: 128.917 ms

Loss rate: 0.48%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

End at: 2018-07-25 18:16:49

Local clock offset: 0.055 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-25 19:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.50 Mbit/s

95th percentile per-packet one-way delay: 127.621 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 155.58 Mbit/s

95th percentile per-packet one-way delay: 124.447 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 145.10 Mbit/s

95th percentile per-packet one-way delay: 127.081 ms

Loss rate: 0.18%

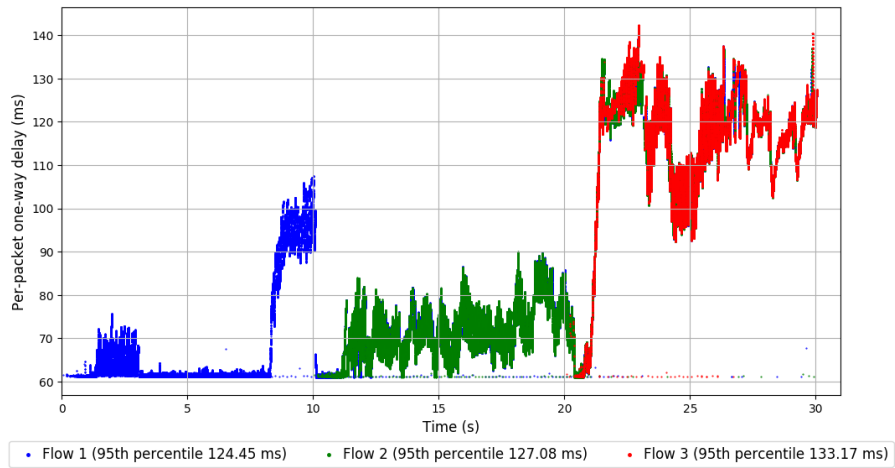
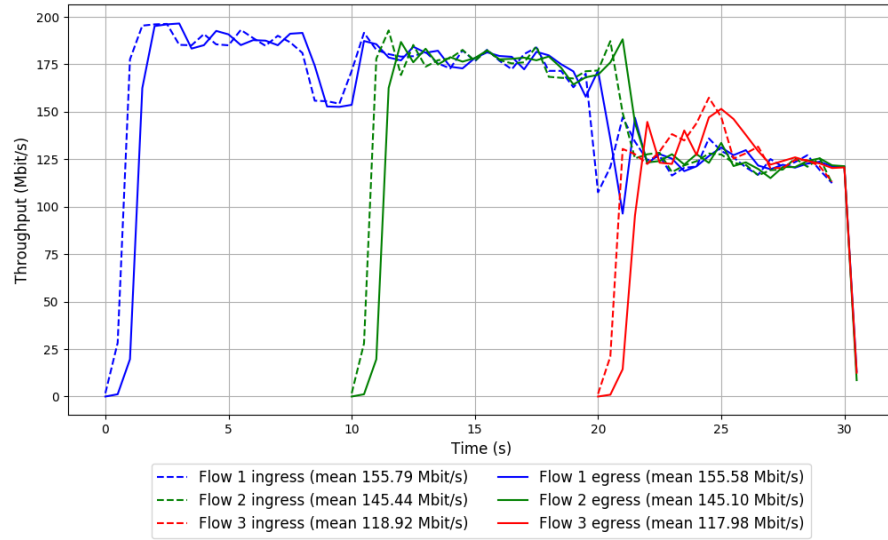
-- Flow 3:

Average throughput: 117.98 Mbit/s

95th percentile per-packet one-way delay: 133.173 ms

Loss rate: 0.44%

Run 9: Report of TCP BBR — Data Link

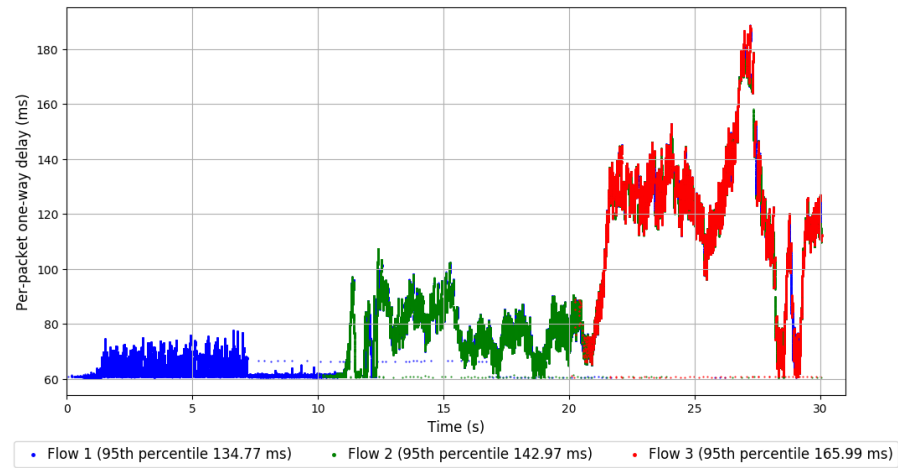
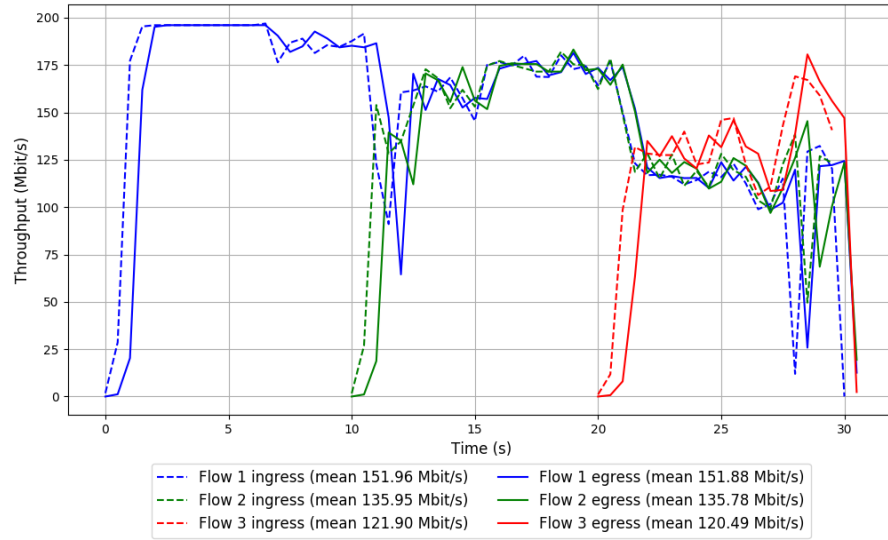


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 18:40:42
End at: 2018-07-25 18:41:12
Local clock offset: 0.153 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-25 19:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.37 Mbit/s
95th percentile per-packet one-way delay: 141.945 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 151.88 Mbit/s
95th percentile per-packet one-way delay: 134.772 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 135.78 Mbit/s
95th percentile per-packet one-way delay: 142.975 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 120.49 Mbit/s
95th percentile per-packet one-way delay: 165.992 ms
Loss rate: 0.91%

Run 10: Report of TCP BBR — Data Link

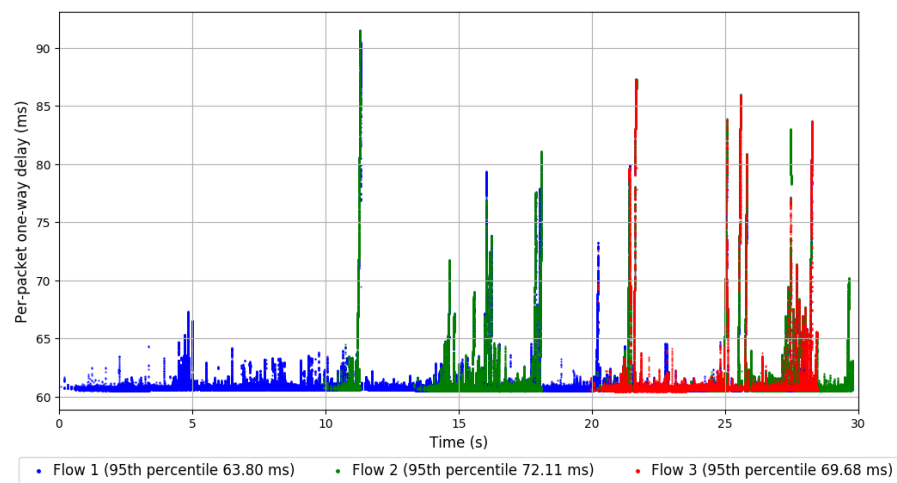
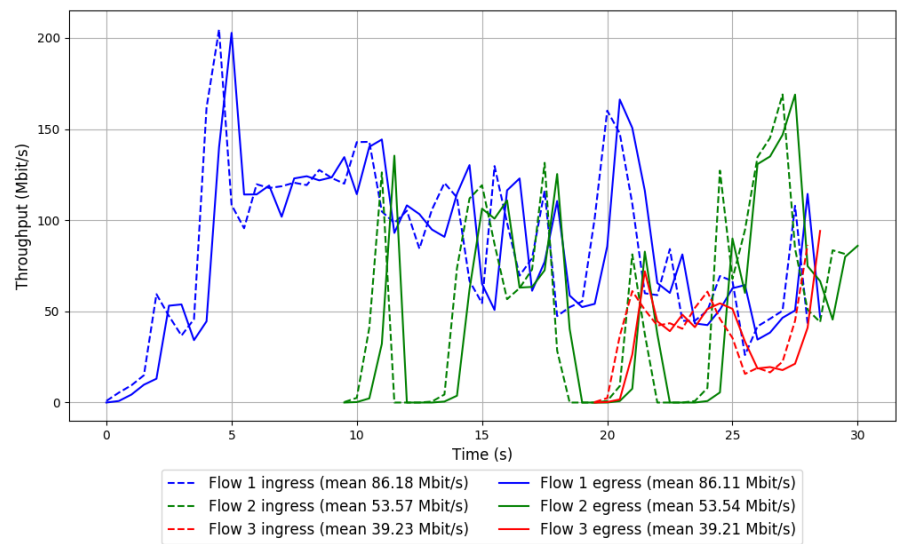


Run 1: Statistics of Copa

Start at: 2018-07-25 14:59:05
End at: 2018-07-25 14:59:35
Local clock offset: -0.118 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-07-25 19:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.05 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 63.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 72.106 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 69.679 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 15:23:07

End at: 2018-07-25 15:23:37

Local clock offset: -0.069 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-25 19:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.49 Mbit/s

95th percentile per-packet one-way delay: 72.927 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.57 Mbit/s

95th percentile per-packet one-way delay: 74.061 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 71.508 ms

Loss rate: 0.00%

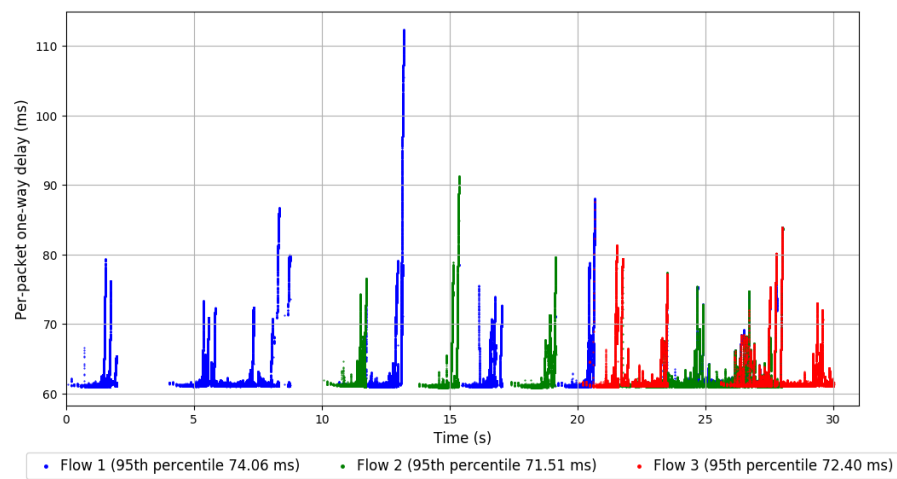
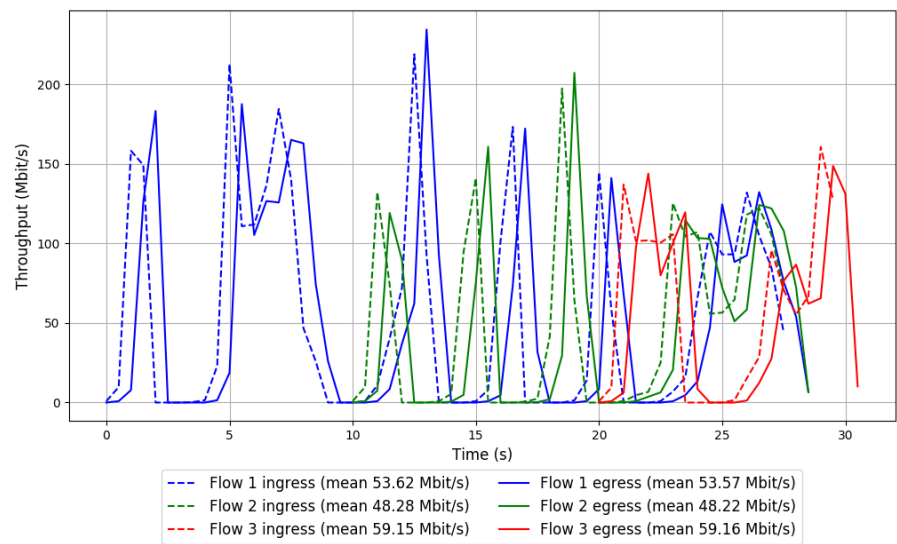
-- Flow 3:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 72.398 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

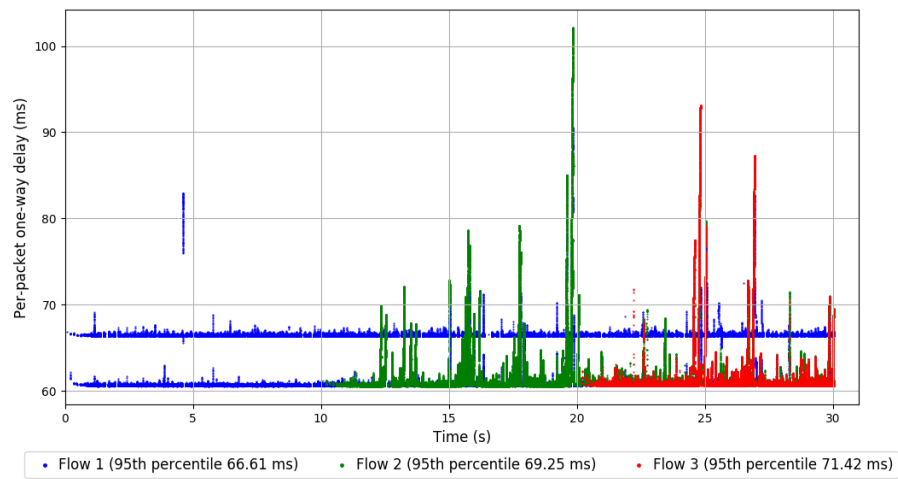
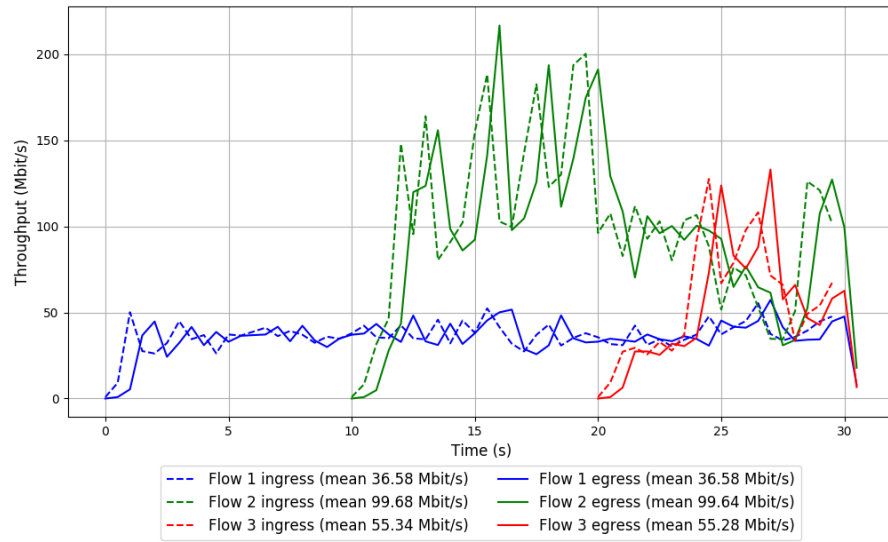


Run 3: Statistics of Copa

Start at: 2018-07-25 15:47:19
End at: 2018-07-25 15:47:49
Local clock offset: -0.079 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-25 19:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 67.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.64 Mbit/s
95th percentile per-packet one-way delay: 69.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 71.418 ms
Loss rate: 0.12%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-25 16:11:07

End at: 2018-07-25 16:11:37

Local clock offset: -0.062 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-25 19:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 161.69 Mbit/s

95th percentile per-packet one-way delay: 69.232 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 67.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 71.211 ms

Loss rate: 0.00%

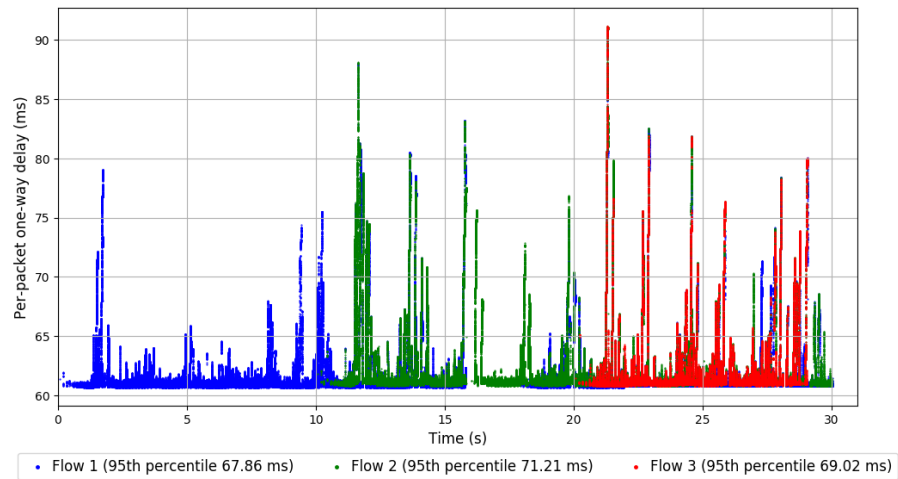
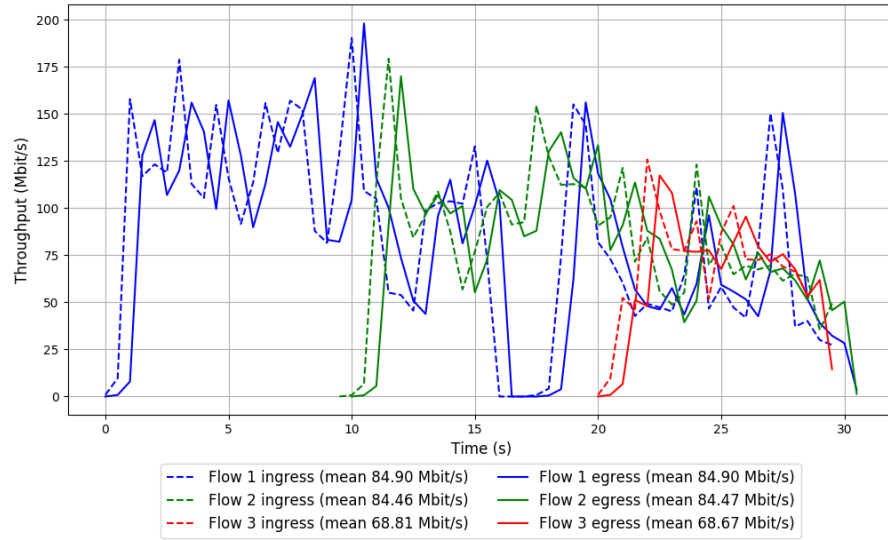
-- Flow 3:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 69.022 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

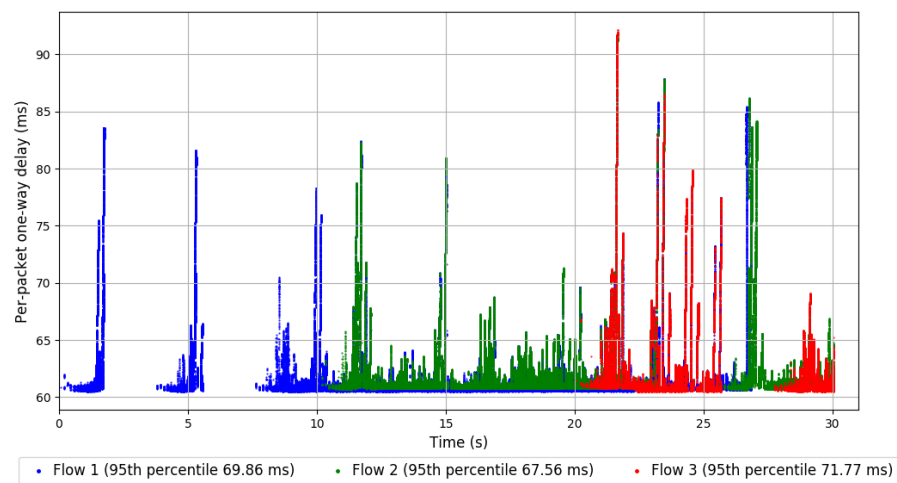
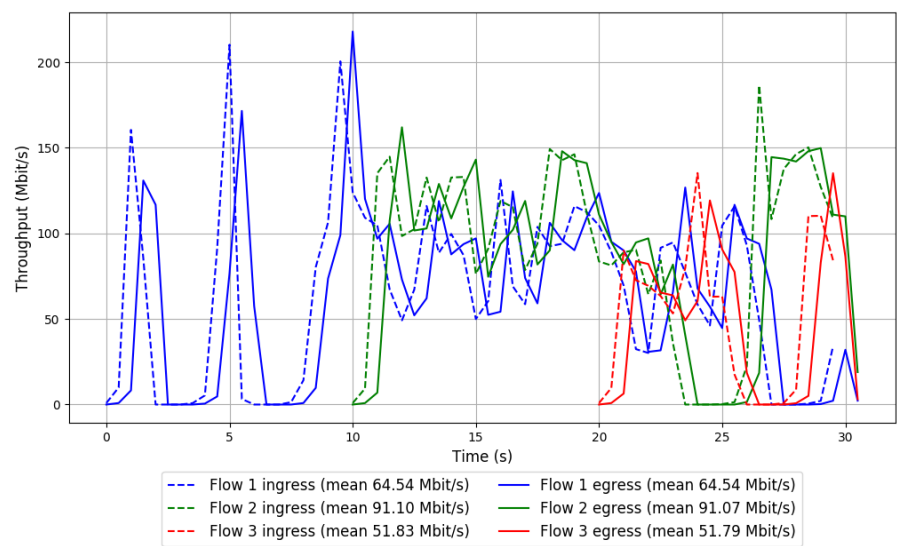


Run 5: Statistics of Copa

Start at: 2018-07-25 16:34:57
End at: 2018-07-25 16:35:27
Local clock offset: -0.102 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-25 19:27:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.32 Mbit/s
95th percentile per-packet one-way delay: 69.249 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.54 Mbit/s
95th percentile per-packet one-way delay: 69.861 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 67.565 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 71.767 ms
Loss rate: 0.07%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 16:59:10

End at: 2018-07-25 16:59:40

Local clock offset: -0.06 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-25 19:27:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.68 Mbit/s

95th percentile per-packet one-way delay: 70.480 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 71.83 Mbit/s

95th percentile per-packet one-way delay: 70.458 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.79 Mbit/s

95th percentile per-packet one-way delay: 69.726 ms

Loss rate: 0.02%

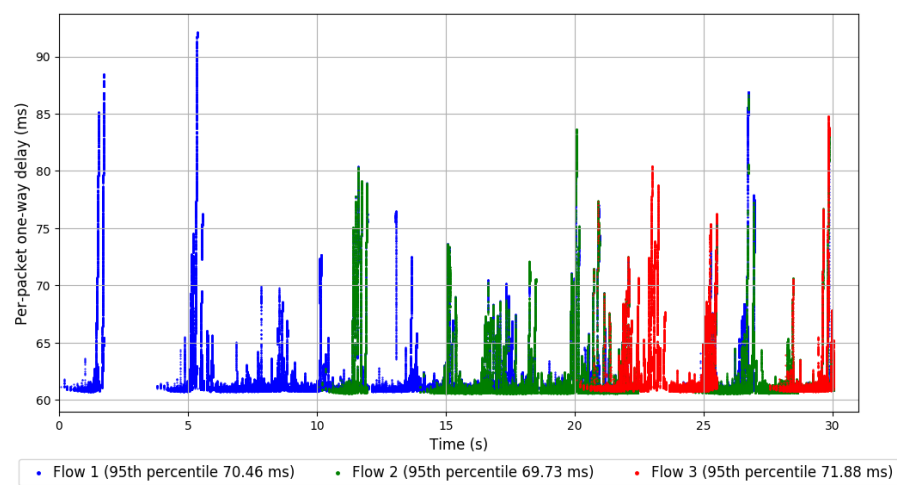
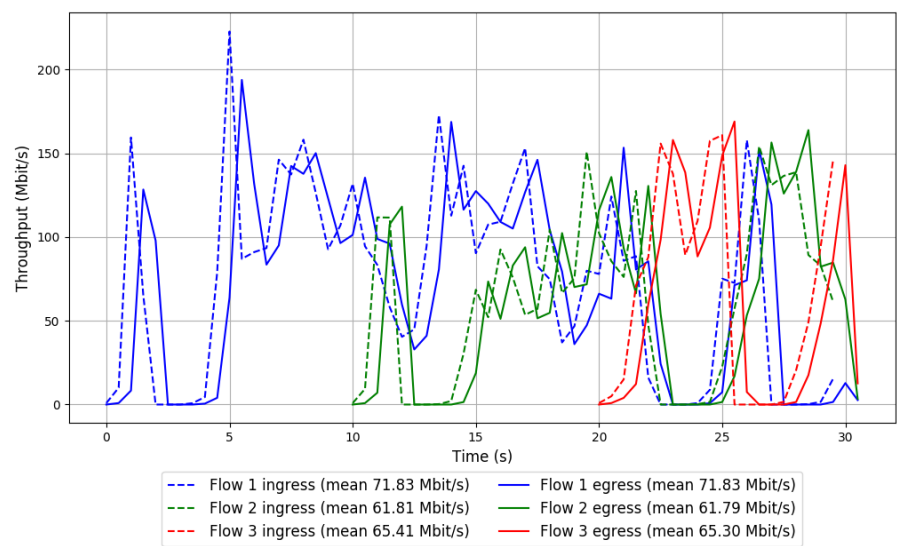
-- Flow 3:

Average throughput: 65.30 Mbit/s

95th percentile per-packet one-way delay: 71.876 ms

Loss rate: 0.17%

Run 6: Report of Copa — Data Link

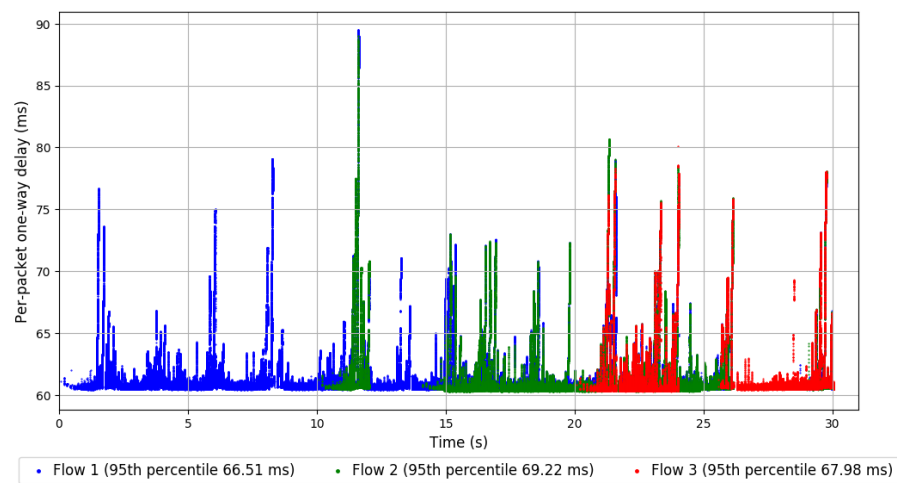
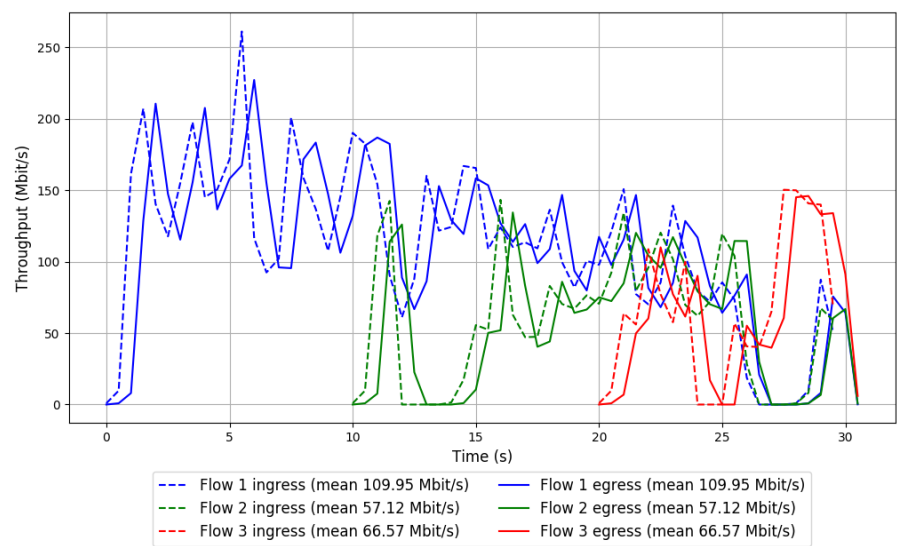


Run 7: Statistics of Copa

Start at: 2018-07-25 17:23:24
End at: 2018-07-25 17:23:54
Local clock offset: 0.026 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-07-25 19:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.13 Mbit/s
95th percentile per-packet one-way delay: 67.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.95 Mbit/s
95th percentile per-packet one-way delay: 66.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 69.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 67.982 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-25 17:47:44

End at: 2018-07-25 17:48:14

Local clock offset: -0.012 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-25 19:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.66 Mbit/s

95th percentile per-packet one-way delay: 66.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 66.369 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 82.10 Mbit/s

95th percentile per-packet one-way delay: 65.461 ms

Loss rate: 0.00%

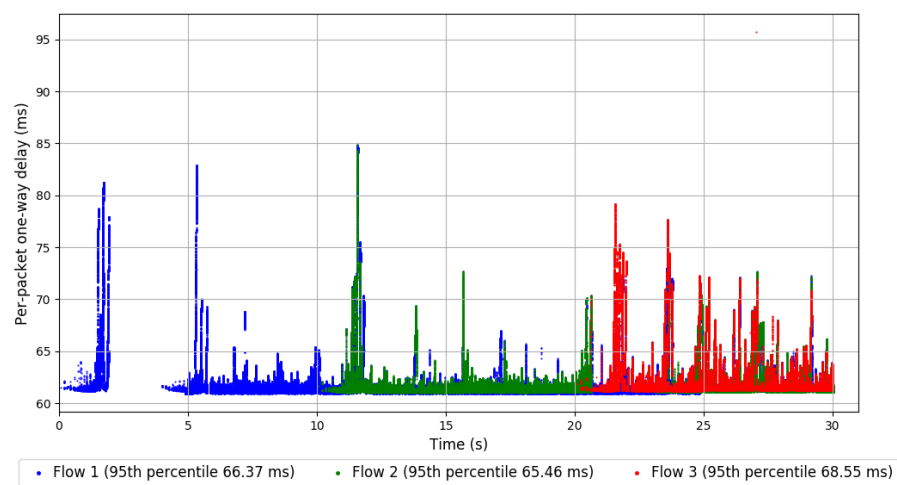
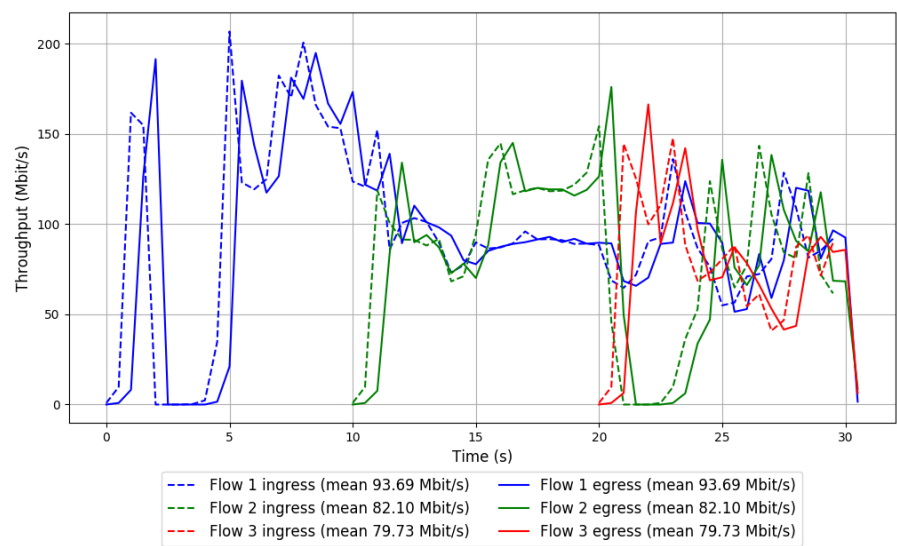
-- Flow 3:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 68.550 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-25 18:12:00

End at: 2018-07-25 18:12:30

Local clock offset: 0.098 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-25 19:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 71.535 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 76.052 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 67.258 ms

Loss rate: 0.01%

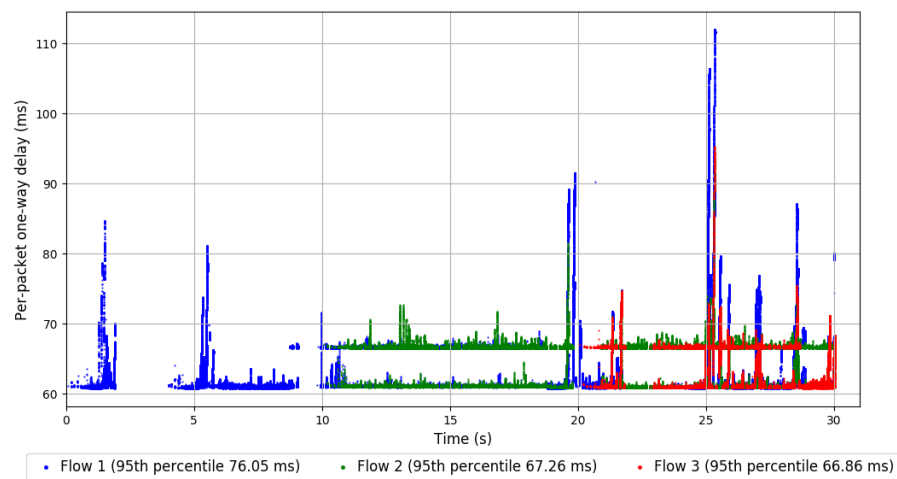
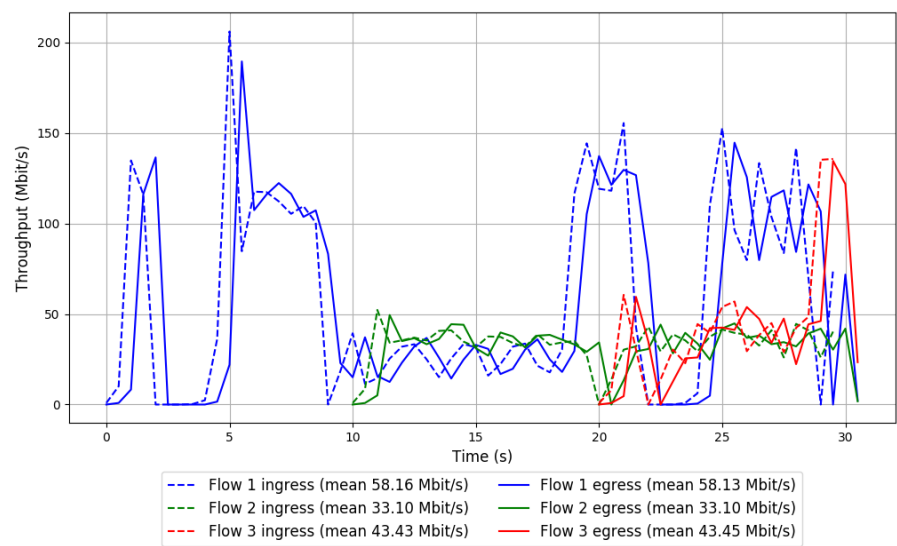
-- Flow 3:

Average throughput: 43.45 Mbit/s

95th percentile per-packet one-way delay: 66.864 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

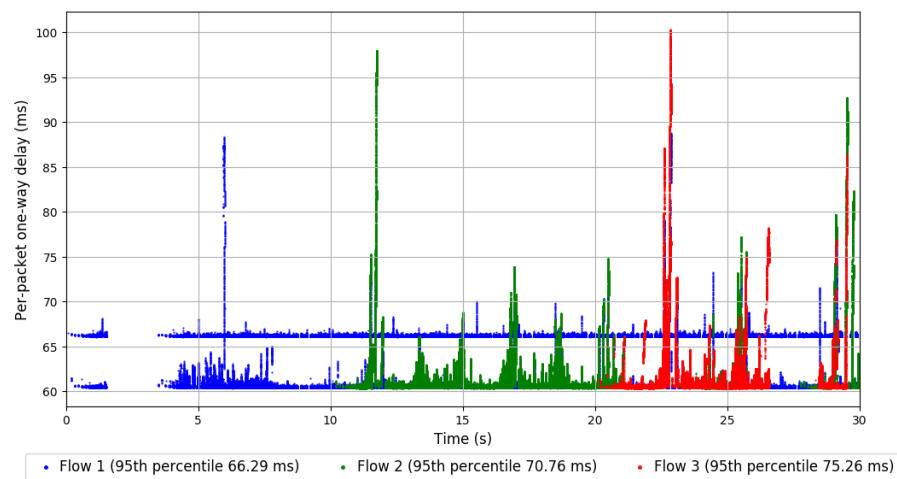
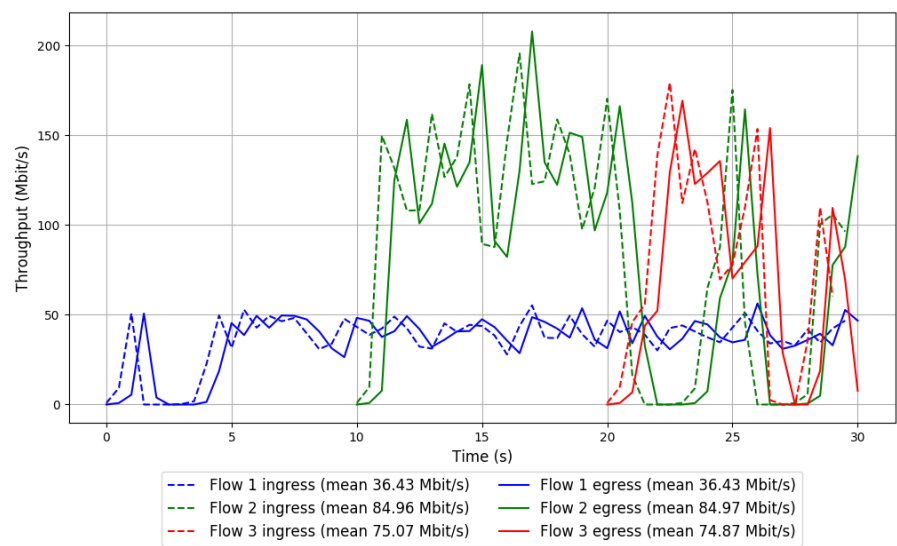


Run 10: Statistics of Copa

Start at: 2018-07-25 18:36:17
End at: 2018-07-25 18:36:47
Local clock offset: 0.153 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-07-25 19:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.57 Mbit/s
95th percentile per-packet one-way delay: 69.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 70.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 75.261 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 15:16:21

End at: 2018-07-25 15:16:51

Local clock offset: -0.112 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-25 19:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.10 Mbit/s

95th percentile per-packet one-way delay: 92.701 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 86.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.83 Mbit/s

95th percentile per-packet one-way delay: 91.387 ms

Loss rate: 0.25%

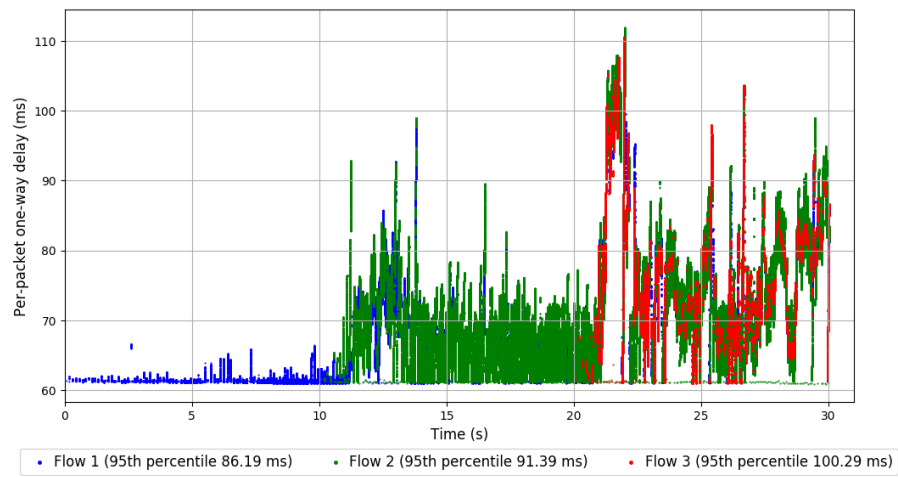
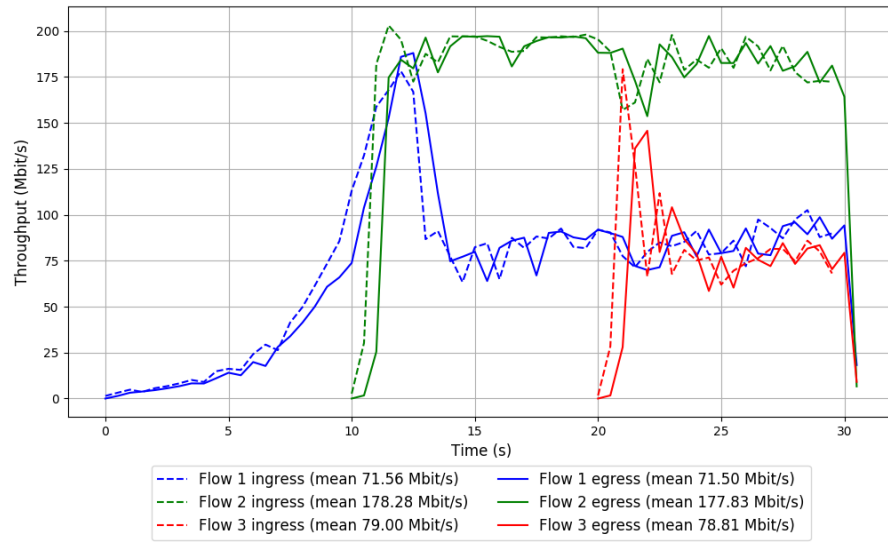
-- Flow 3:

Average throughput: 78.81 Mbit/s

95th percentile per-packet one-way delay: 100.292 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 15:40:28

End at: 2018-07-25 15:40:58

Local clock offset: -0.085 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-25 19:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.33 Mbit/s

95th percentile per-packet one-way delay: 86.733 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 83.820 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 98.45 Mbit/s

95th percentile per-packet one-way delay: 86.110 ms

Loss rate: 0.00%

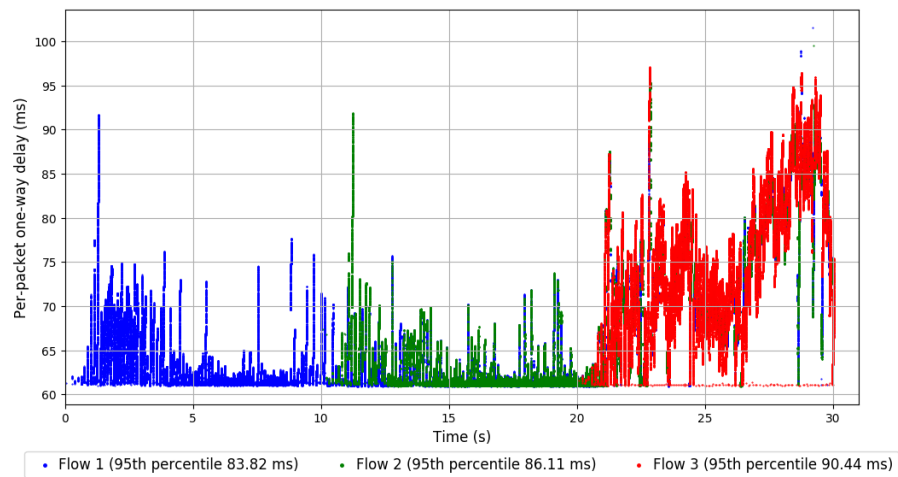
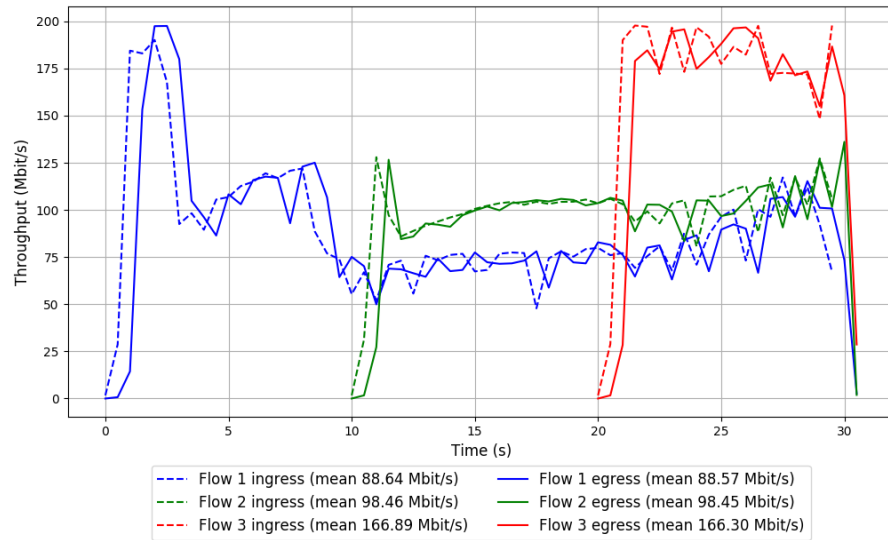
-- Flow 3:

Average throughput: 166.30 Mbit/s

95th percentile per-packet one-way delay: 90.441 ms

Loss rate: 0.34%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 16:04:20

End at: 2018-07-25 16:04:50

Local clock offset: -0.024 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-25 19:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.01 Mbit/s

95th percentile per-packet one-way delay: 78.662 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 75.773 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.28 Mbit/s

95th percentile per-packet one-way delay: 80.268 ms

Loss rate: 0.21%

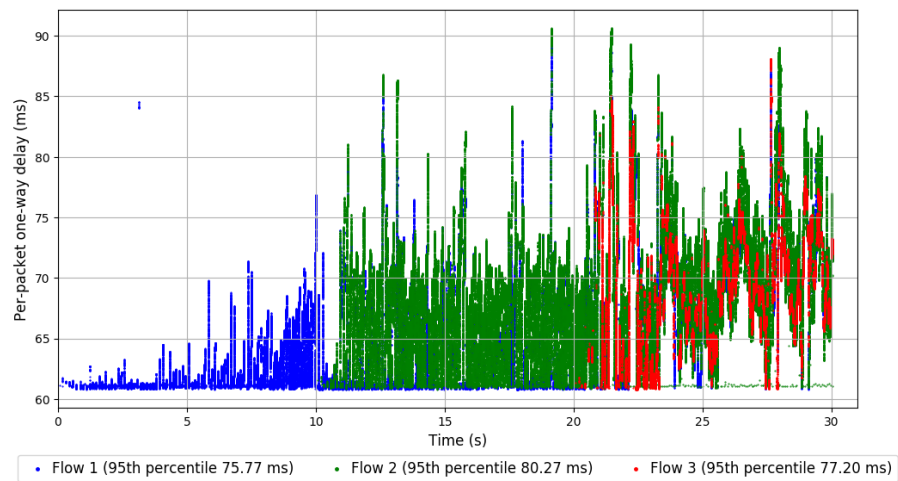
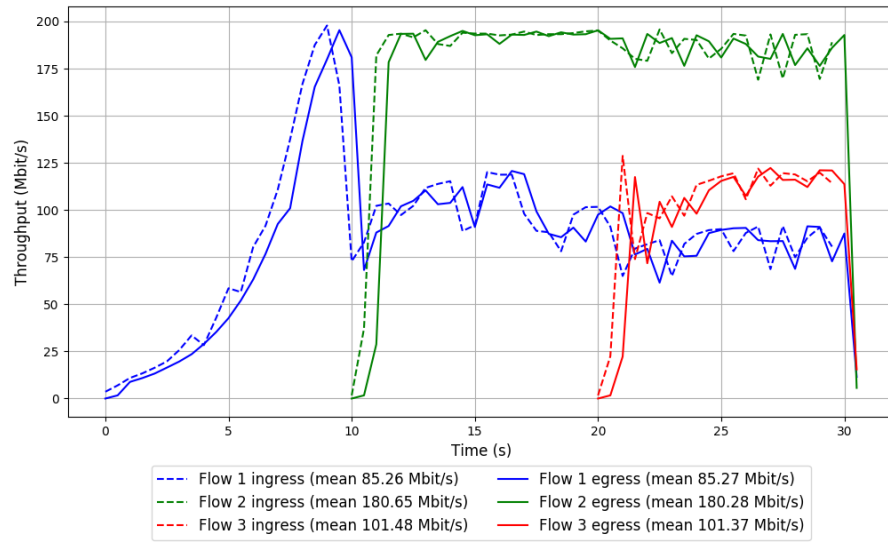
-- Flow 3:

Average throughput: 101.37 Mbit/s

95th percentile per-packet one-way delay: 77.198 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

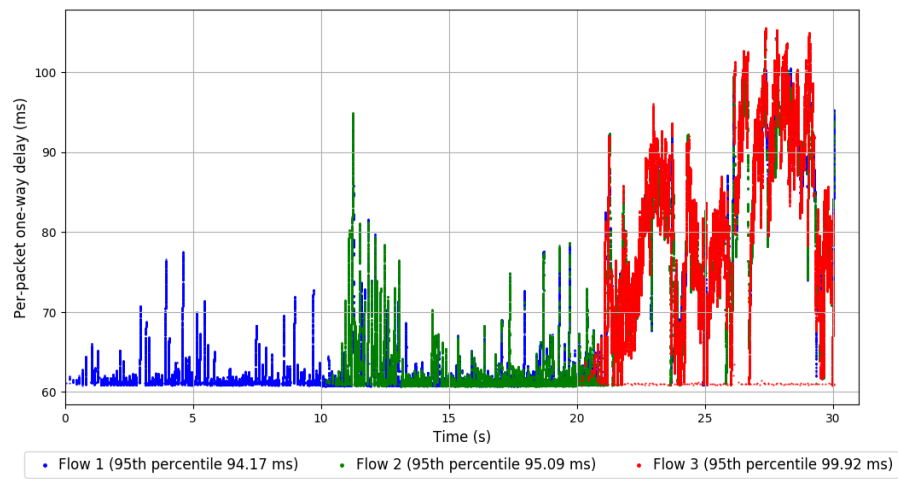
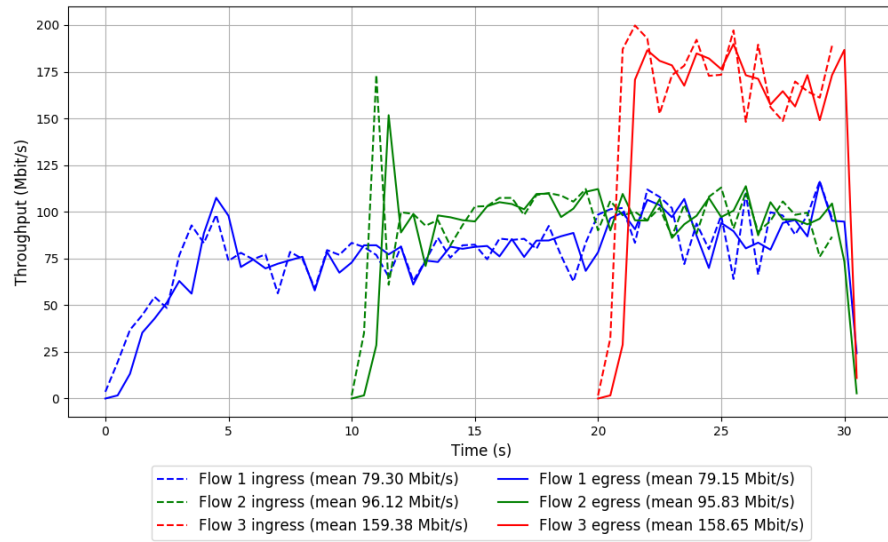


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 16:28:19
End at: 2018-07-25 16:28:49
Local clock offset: -0.092 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-25 19:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.74 Mbit/s
95th percentile per-packet one-way delay: 96.846 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 94.165 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 95.092 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 158.65 Mbit/s
95th percentile per-packet one-way delay: 99.922 ms
Loss rate: 0.50%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 16:52:22

End at: 2018-07-25 16:52:52

Local clock offset: -0.087 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-25 19:34:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.26 Mbit/s

95th percentile per-packet one-way delay: 85.770 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.56 Mbit/s

95th percentile per-packet one-way delay: 83.783 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 82.071 ms

Loss rate: 0.01%

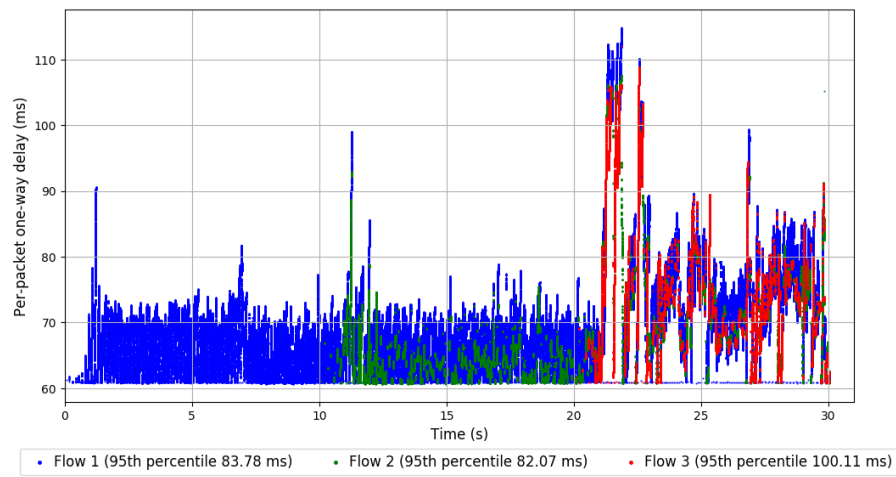
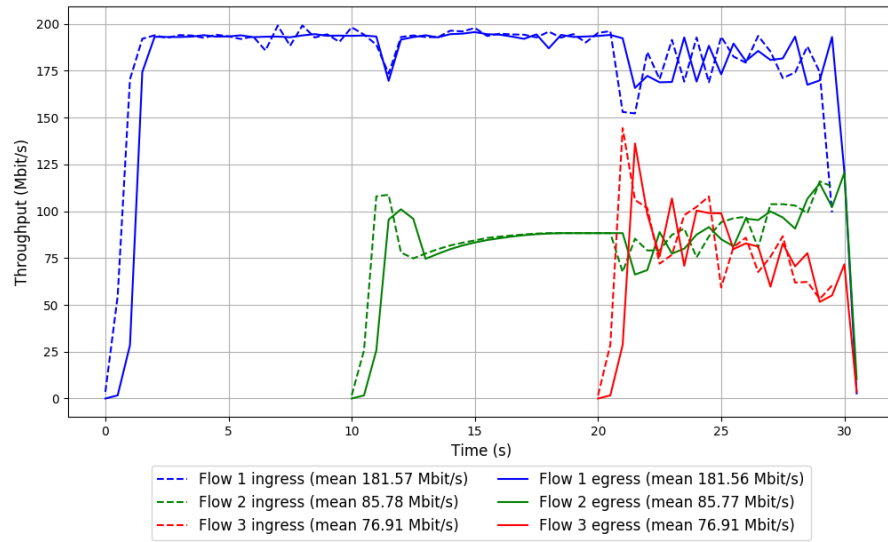
-- Flow 3:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 100.112 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

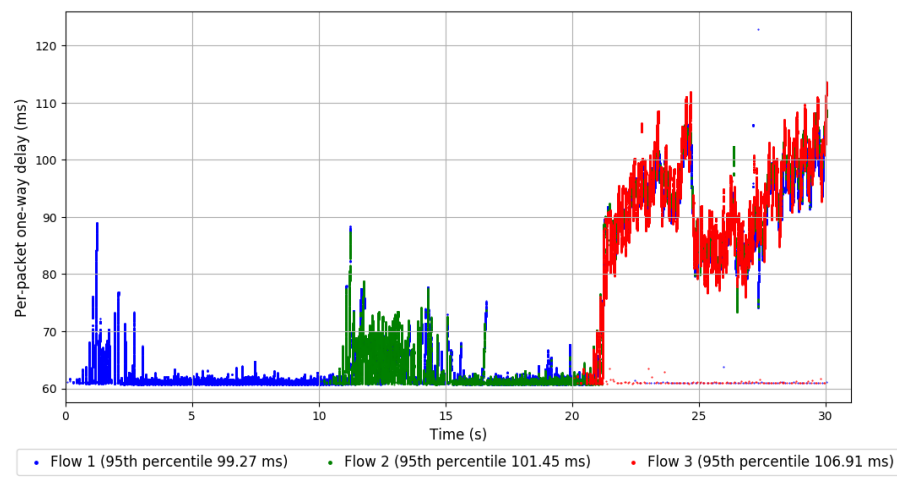
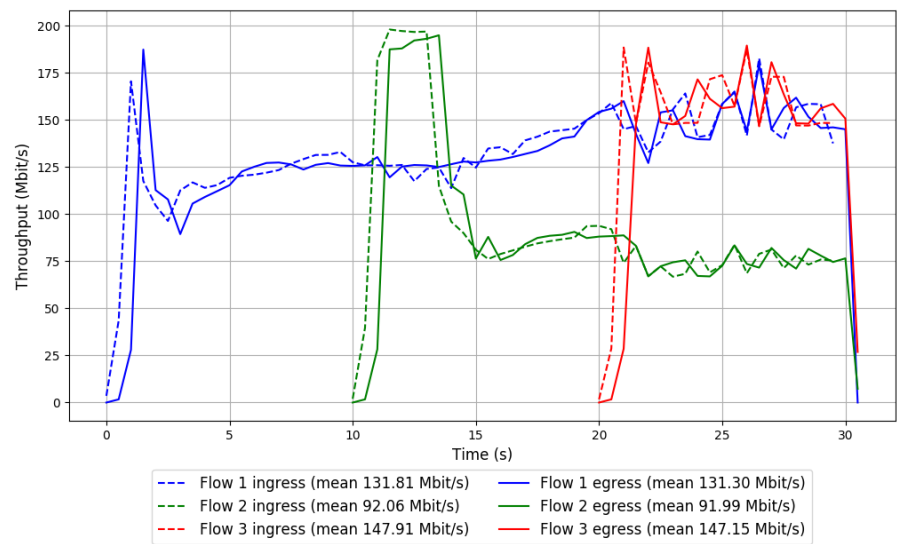


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 17:16:34
End at: 2018-07-25 17:17:04
Local clock offset: 0.007 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 19:34:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.41 Mbit/s
95th percentile per-packet one-way delay: 102.337 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 131.30 Mbit/s
95th percentile per-packet one-way delay: 99.265 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 101.450 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 147.15 Mbit/s
95th percentile per-packet one-way delay: 106.908 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 17:41:02

End at: 2018-07-25 17:41:32

Local clock offset: 0.017 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 19:34:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.18 Mbit/s

95th percentile per-packet one-way delay: 69.353 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 114.45 Mbit/s

95th percentile per-packet one-way delay: 68.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.54 Mbit/s

95th percentile per-packet one-way delay: 69.929 ms

Loss rate: 0.07%

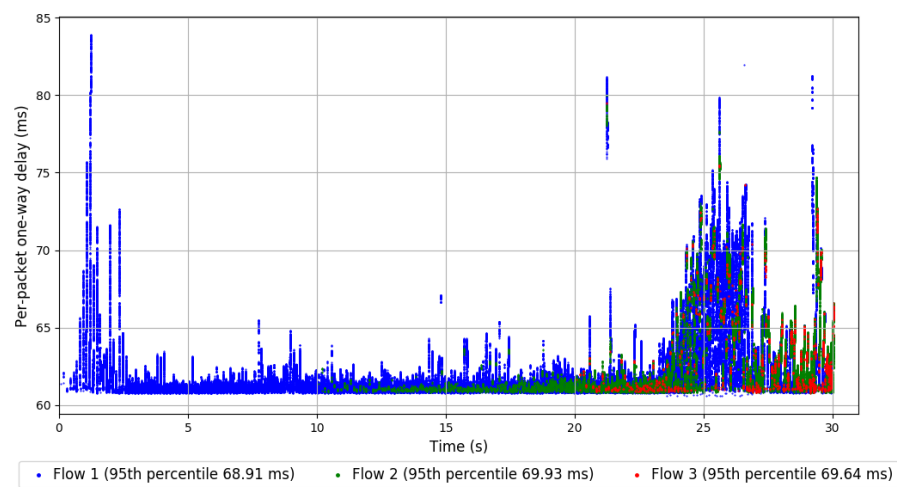
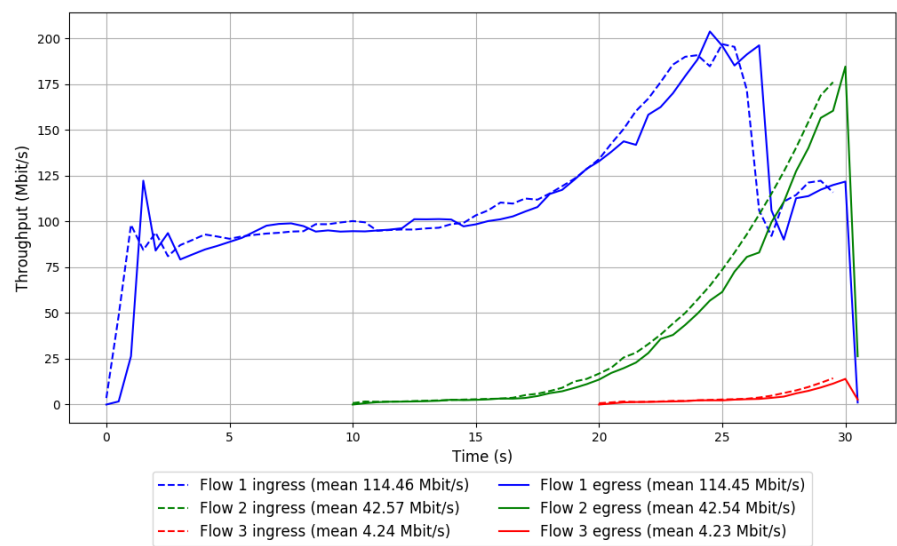
-- Flow 3:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 69.643 ms

Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link

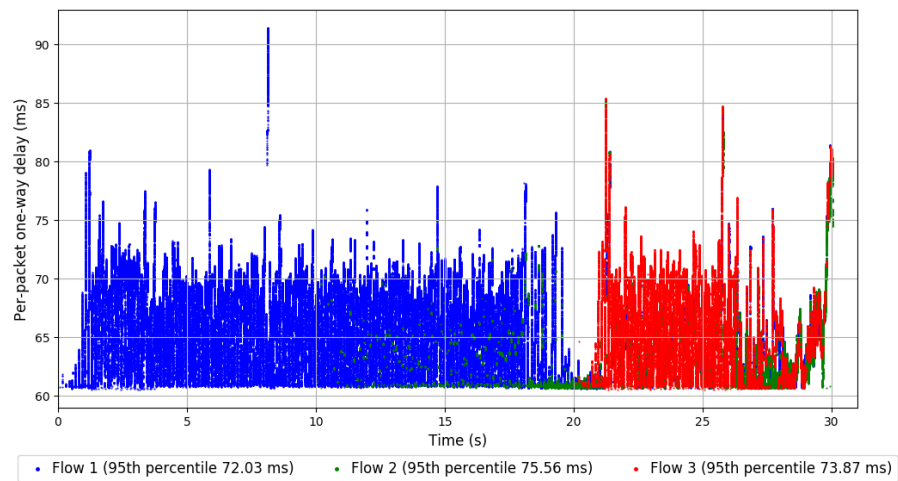
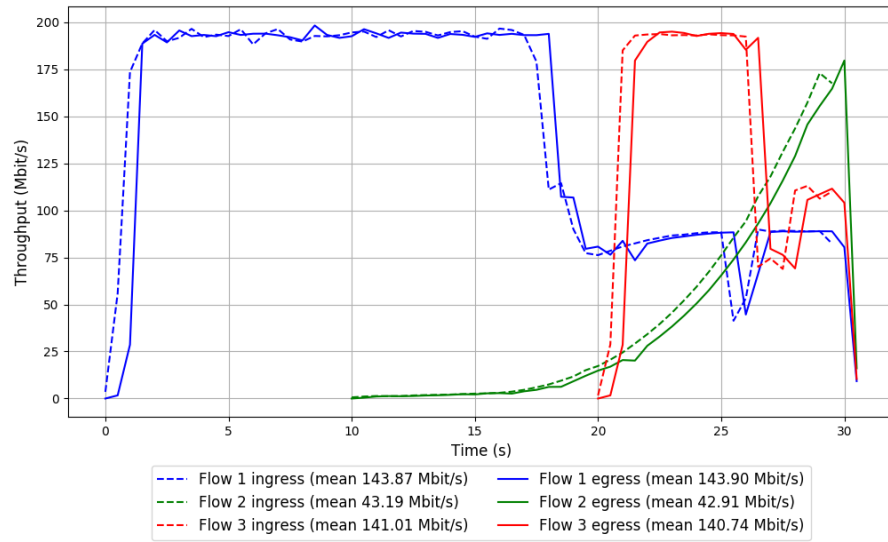


Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 18:05:15
End at: 2018-07-25 18:05:45
Local clock offset: 0.075 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-07-25 19:34:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.10 Mbit/s
95th percentile per-packet one-way delay: 72.378 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 143.90 Mbit/s
95th percentile per-packet one-way delay: 72.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 75.561 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 140.74 Mbit/s
95th percentile per-packet one-way delay: 73.868 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 18:29:28

End at: 2018-07-25 18:29:58

Local clock offset: 0.143 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-25 19:34:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 93.386 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 89.759 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 105.87 Mbit/s

95th percentile per-packet one-way delay: 92.647 ms

Loss rate: 0.19%

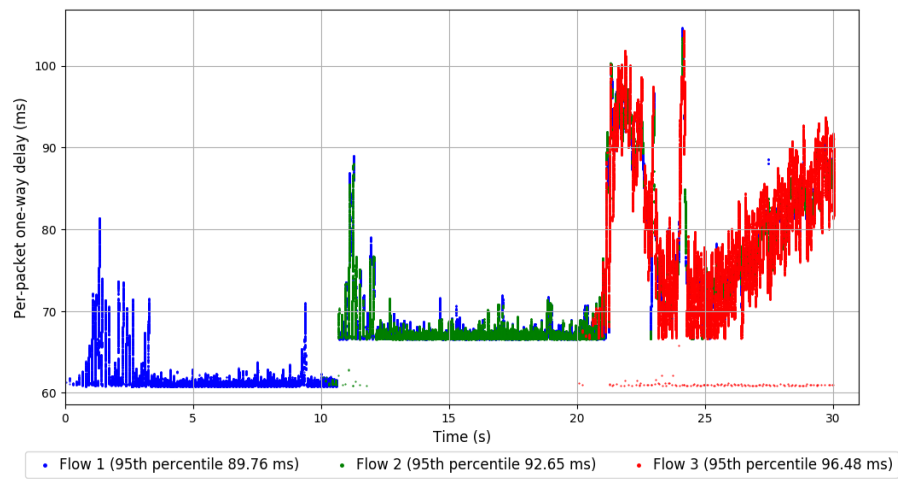
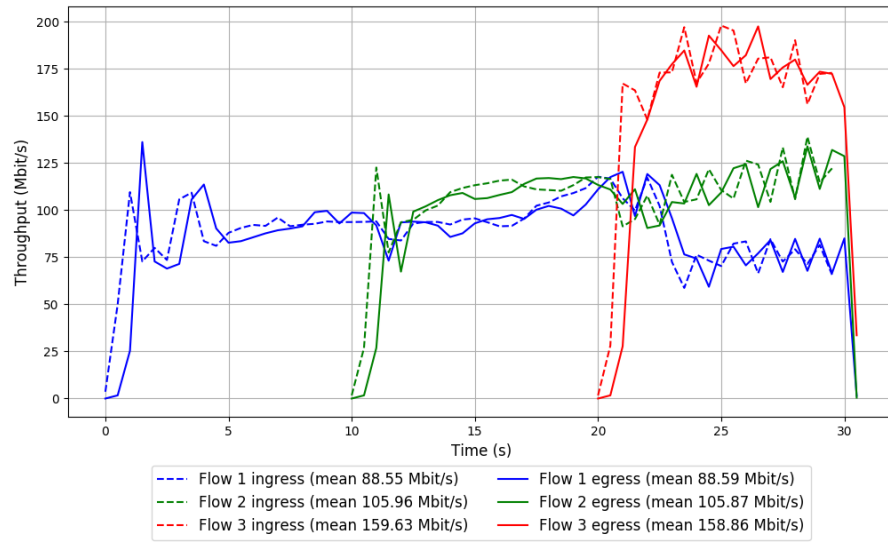
-- Flow 3:

Average throughput: 158.86 Mbit/s

95th percentile per-packet one-way delay: 96.477 ms

Loss rate: 0.30%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 18:53:30

End at: 2018-07-25 18:54:00

Local clock offset: 0.129 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-25 19:35:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.03 Mbit/s

95th percentile per-packet one-way delay: 119.984 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 124.34 Mbit/s

95th percentile per-packet one-way delay: 118.583 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 127.56 Mbit/s

95th percentile per-packet one-way delay: 120.151 ms

Loss rate: 0.39%

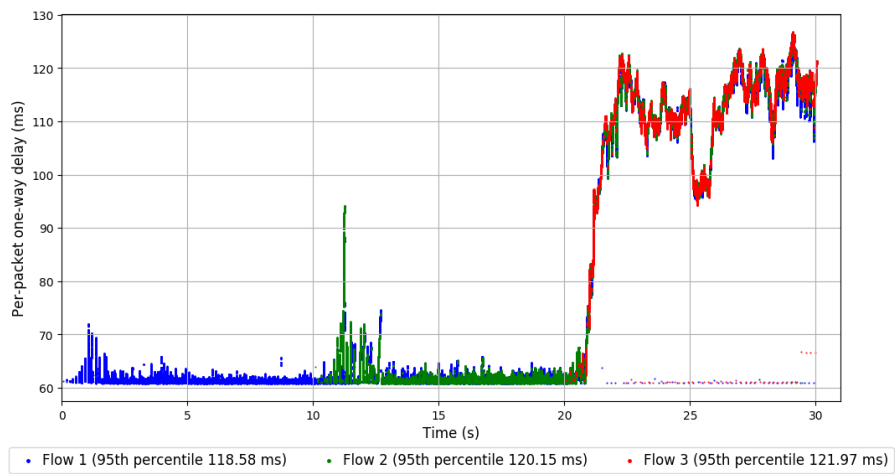
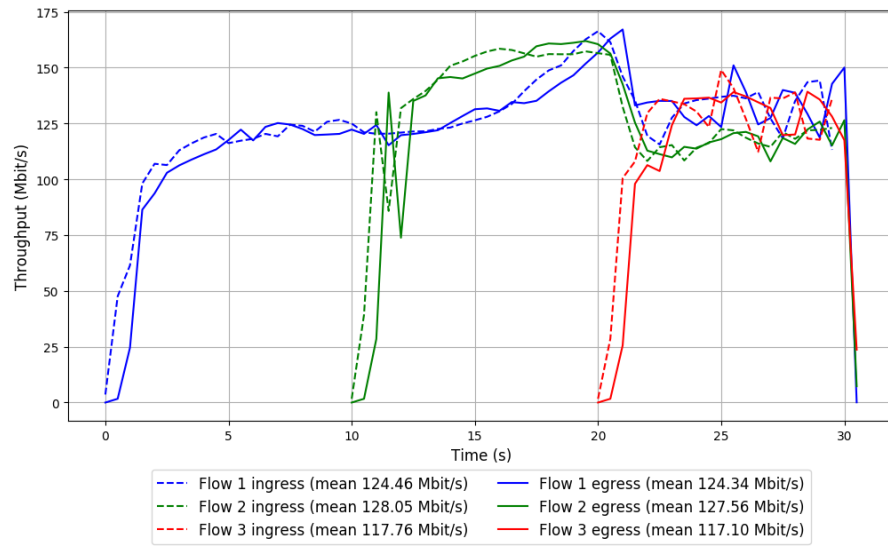
-- Flow 3:

Average throughput: 117.10 Mbit/s

95th percentile per-packet one-way delay: 121.968 ms

Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-25 15:10:27

End at: 2018-07-25 15:10:57

Local clock offset: -0.111 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-07-25 19:57:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1173.38 Mbit/s

95th percentile per-packet one-way delay: 273.966 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 591.84 Mbit/s

95th percentile per-packet one-way delay: 247.943 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 604.22 Mbit/s

95th percentile per-packet one-way delay: 285.423 ms

Loss rate: 1.73%

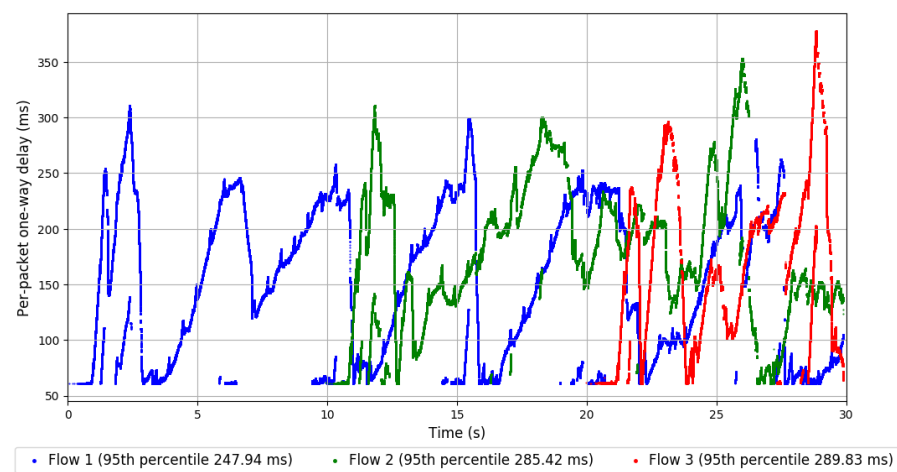
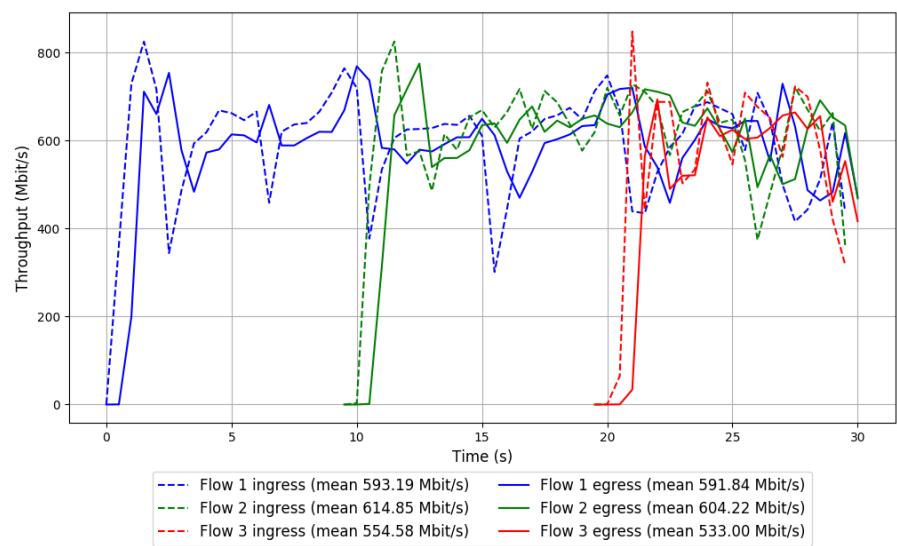
-- Flow 3:

Average throughput: 533.00 Mbit/s

95th percentile per-packet one-way delay: 289.833 ms

Loss rate: 3.89%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-25 15:34:38

End at: 2018-07-25 15:35:08

Local clock offset: -0.051 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-25 19:57:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1130.27 Mbit/s

95th percentile per-packet one-way delay: 260.386 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 551.98 Mbit/s

95th percentile per-packet one-way delay: 252.081 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 595.95 Mbit/s

95th percentile per-packet one-way delay: 275.111 ms

Loss rate: 1.38%

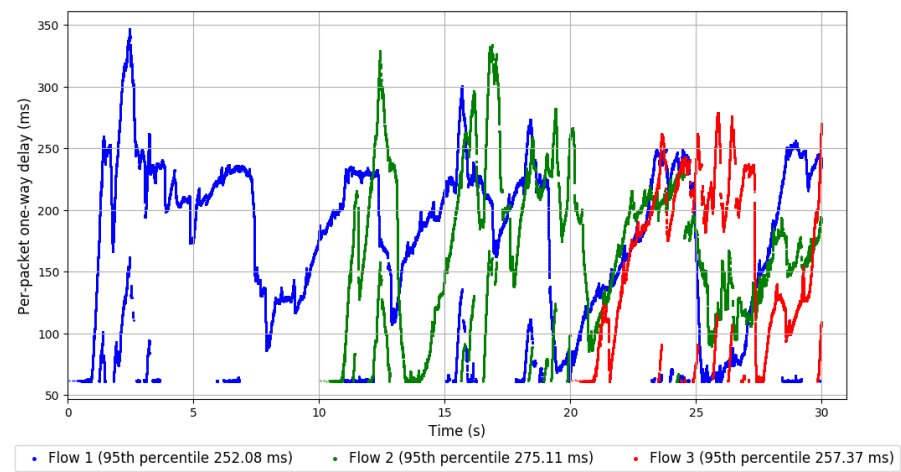
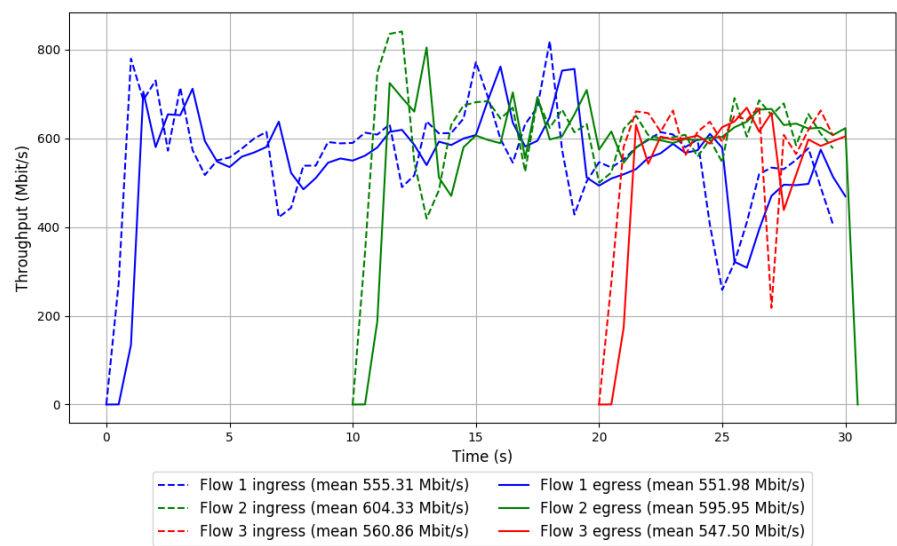
-- Flow 3:

Average throughput: 547.50 Mbit/s

95th percentile per-packet one-way delay: 257.367 ms

Loss rate: 1.95%

Run 2: Report of FillP — Data Link

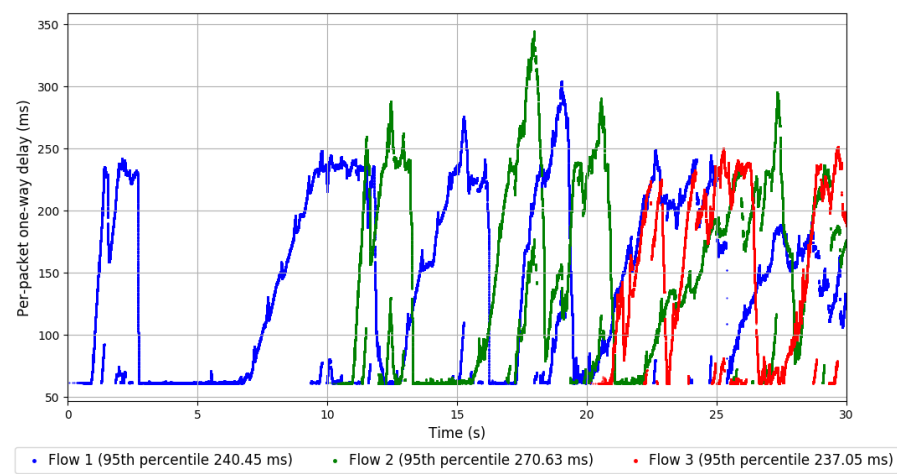
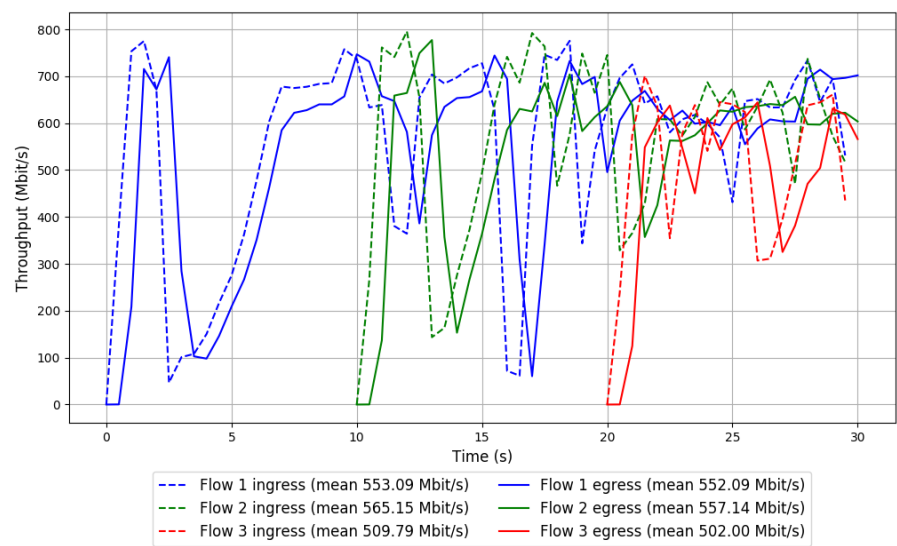


Run 3: Statistics of FillP

Start at: 2018-07-25 15:58:34
End at: 2018-07-25 15:59:04
Local clock offset: -0.045 ms
Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 19:57:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1088.57 Mbit/s
95th percentile per-packet one-way delay: 250.052 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 552.09 Mbit/s
95th percentile per-packet one-way delay: 240.447 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 557.14 Mbit/s
95th percentile per-packet one-way delay: 270.630 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 502.00 Mbit/s
95th percentile per-packet one-way delay: 237.047 ms
Loss rate: 1.52%

Run 3: Report of FillP — Data Link

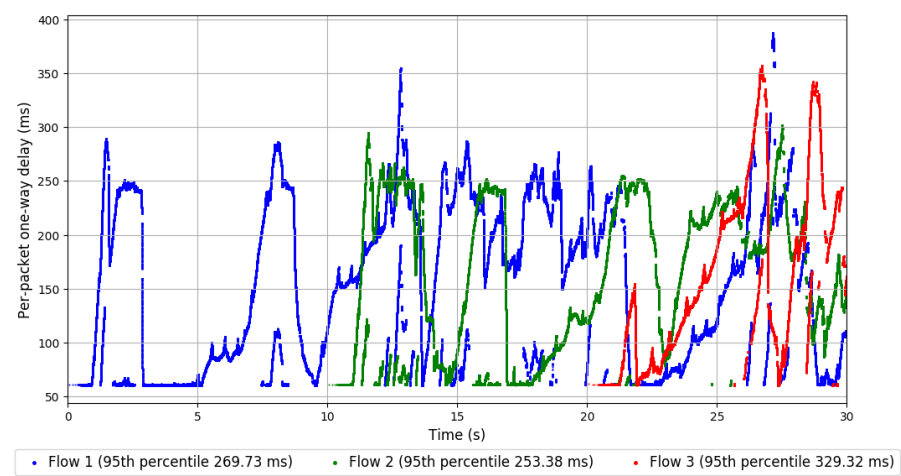
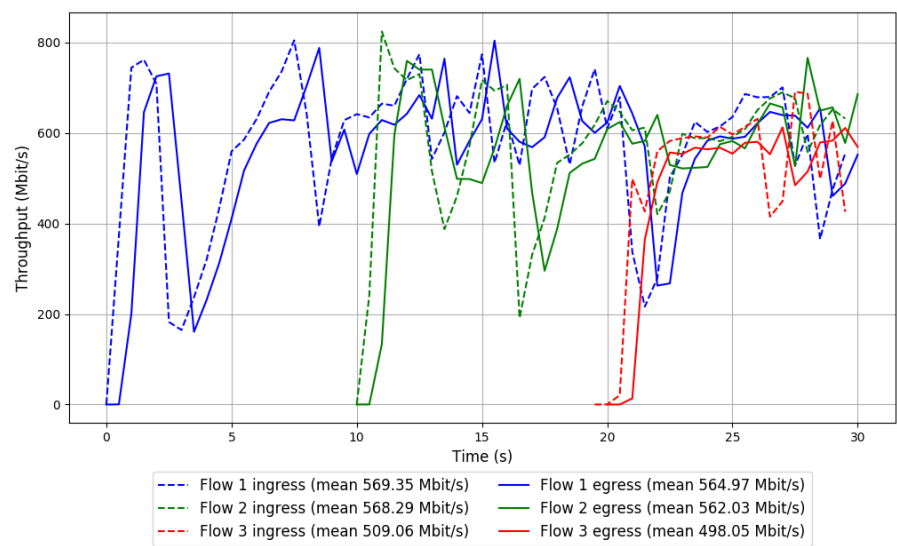


Run 4: Statistics of FillP

Start at: 2018-07-25 16:22:34
End at: 2018-07-25 16:23:04
Local clock offset: -0.089 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-25 19:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 1104.57 Mbit/s
95th percentile per-packet one-way delay: 270.638 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 564.97 Mbit/s
95th percentile per-packet one-way delay: 269.726 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 562.03 Mbit/s
95th percentile per-packet one-way delay: 253.384 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 498.05 Mbit/s
95th percentile per-packet one-way delay: 329.318 ms
Loss rate: 2.06%

Run 4: Report of FillP — Data Link

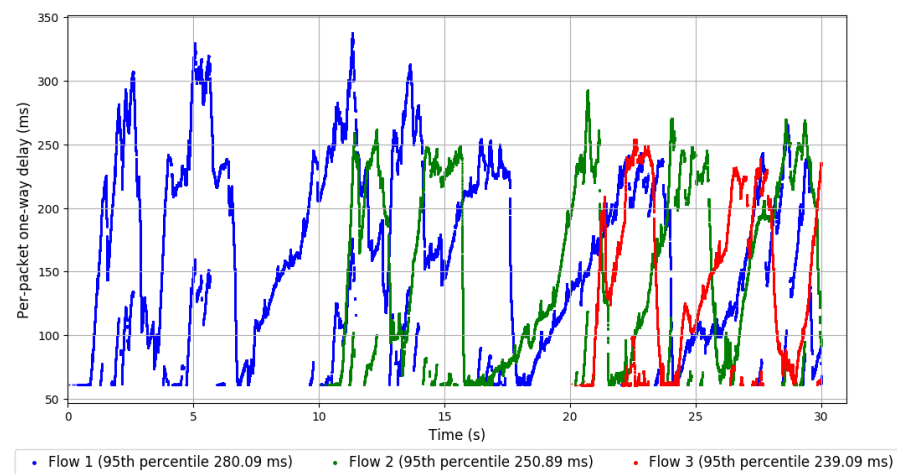
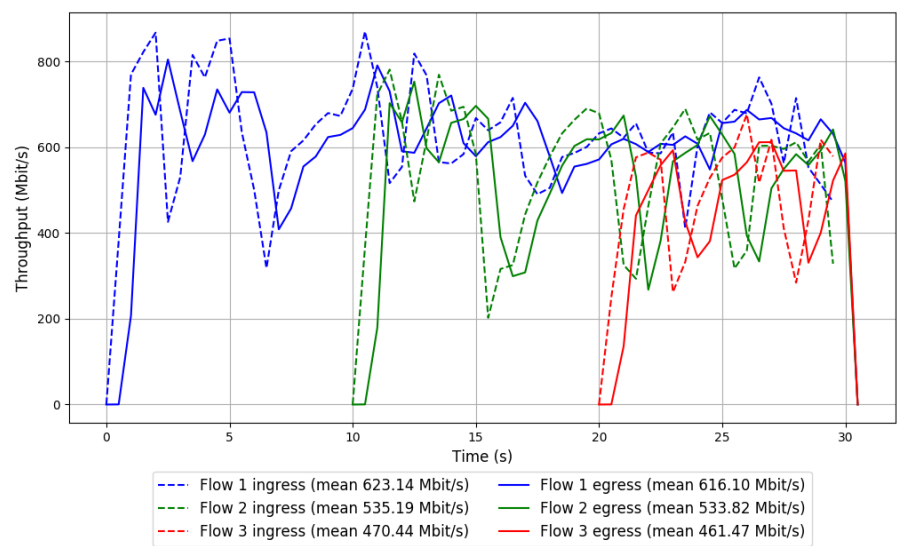


Run 5: Statistics of FillP

Start at: 2018-07-25 16:46:36
End at: 2018-07-25 16:47:06
Local clock offset: -0.15 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-25 20:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1124.45 Mbit/s
95th percentile per-packet one-way delay: 265.183 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 616.10 Mbit/s
95th percentile per-packet one-way delay: 280.086 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 533.82 Mbit/s
95th percentile per-packet one-way delay: 250.891 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 461.47 Mbit/s
95th percentile per-packet one-way delay: 239.091 ms
Loss rate: 1.92%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-25 17:10:43

End at: 2018-07-25 17:11:13

Local clock offset: -0.055 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-25 20:01:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1155.79 Mbit/s

95th percentile per-packet one-way delay: 289.514 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 607.80 Mbit/s

95th percentile per-packet one-way delay: 279.194 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 559.66 Mbit/s

95th percentile per-packet one-way delay: 306.296 ms

Loss rate: 0.69%

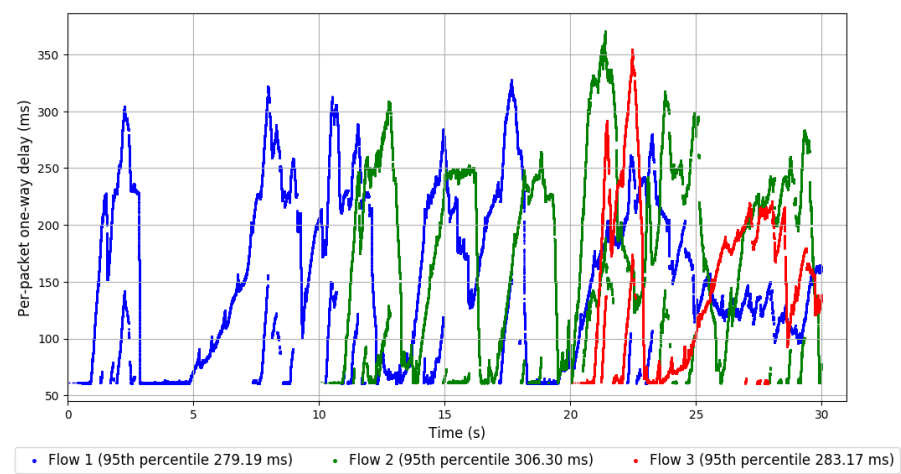
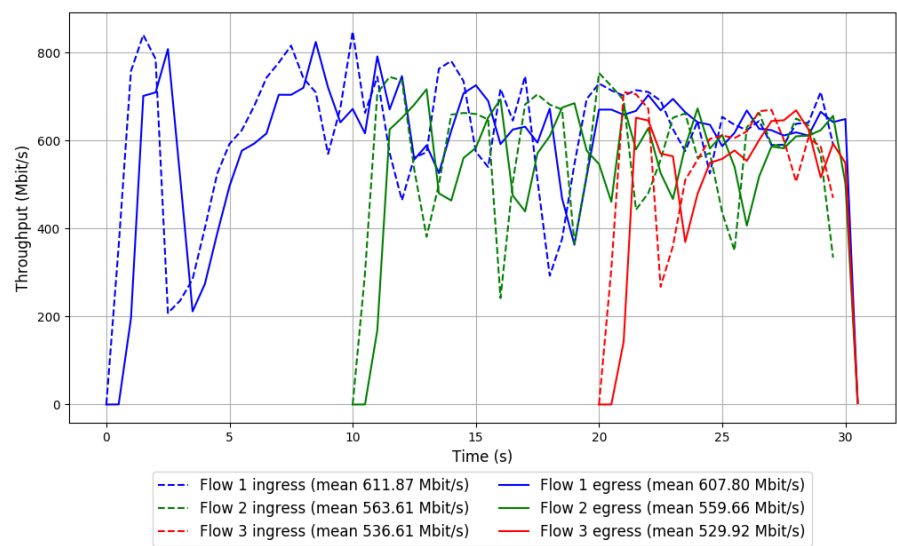
-- Flow 3:

Average throughput: 529.92 Mbit/s

95th percentile per-packet one-way delay: 283.173 ms

Loss rate: 1.23%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-25 17:35:08

End at: 2018-07-25 17:35:38

Local clock offset: 0.013 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-25 20:01:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1174.18 Mbit/s

95th percentile per-packet one-way delay: 272.480 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 613.88 Mbit/s

95th percentile per-packet one-way delay: 259.570 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 568.53 Mbit/s

95th percentile per-packet one-way delay: 297.852 ms

Loss rate: 2.55%

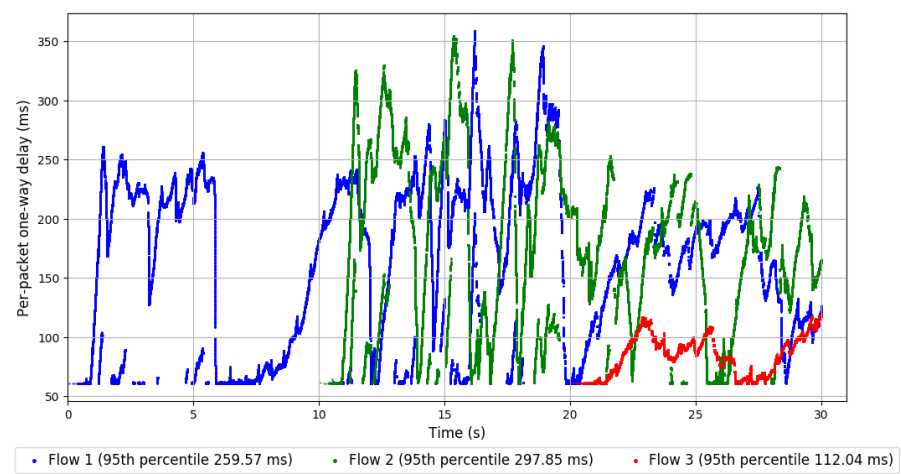
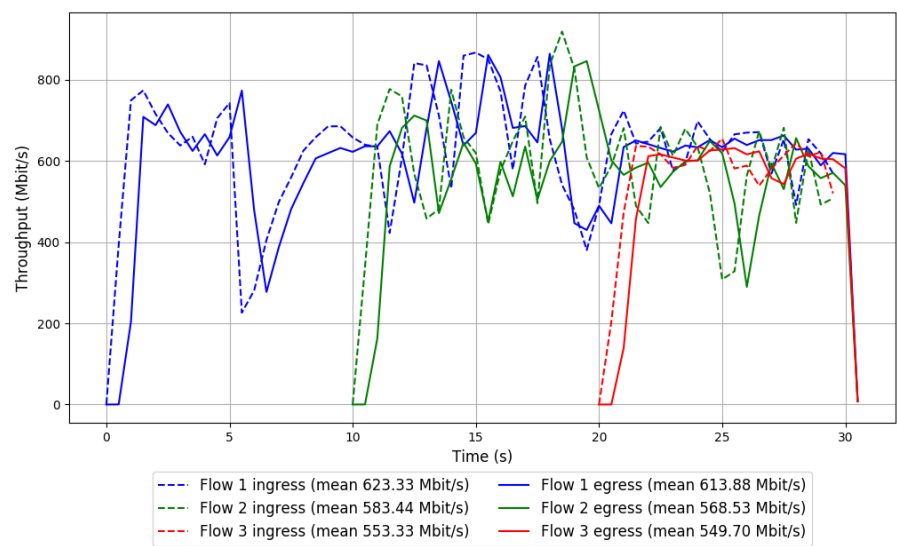
-- Flow 3:

Average throughput: 549.70 Mbit/s

95th percentile per-packet one-way delay: 112.040 ms

Loss rate: 0.63%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 17:59:25

End at: 2018-07-25 17:59:55

Local clock offset: 0.056 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-25 20:02:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 1163.95 Mbit/s

95th percentile per-packet one-way delay: 246.475 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 584.72 Mbit/s

95th percentile per-packet one-way delay: 236.849 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 588.90 Mbit/s

95th percentile per-packet one-way delay: 280.081 ms

Loss rate: 1.20%

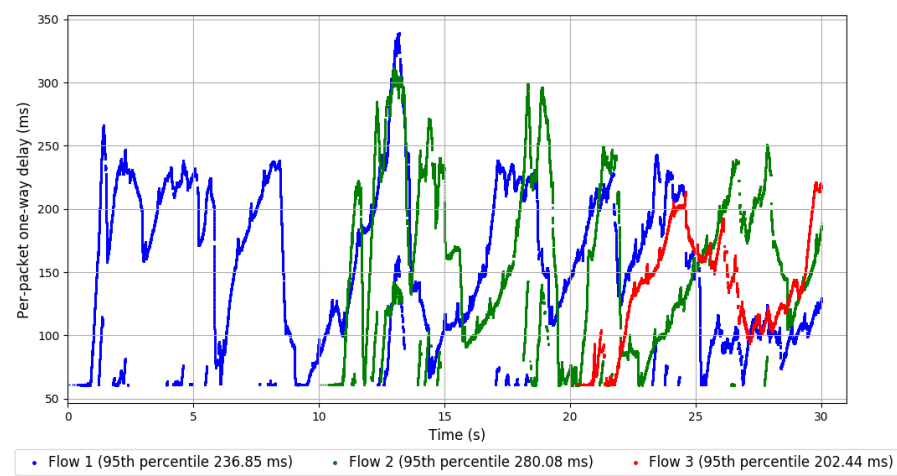
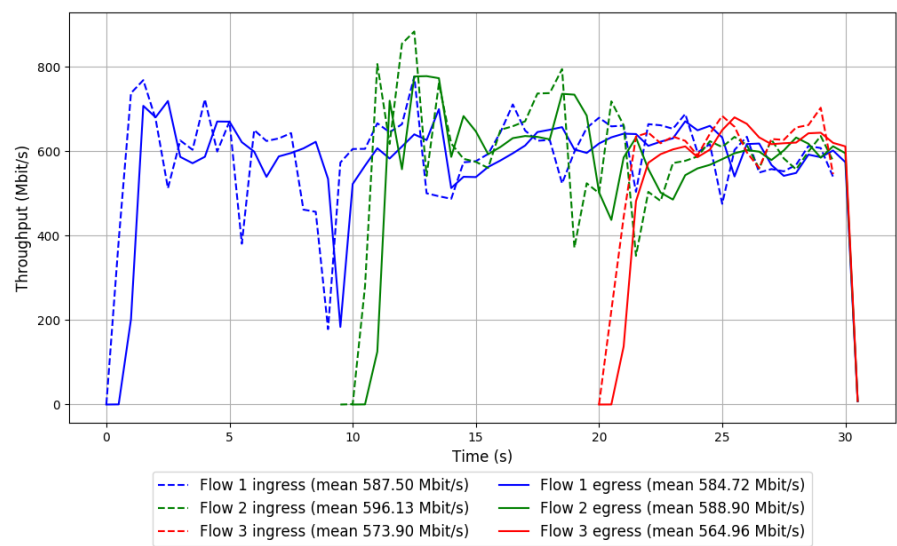
-- Flow 3:

Average throughput: 564.96 Mbit/s

95th percentile per-packet one-way delay: 202.444 ms

Loss rate: 1.55%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-25 18:23:35

End at: 2018-07-25 18:24:05

Local clock offset: 0.139 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 20:24:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1170.28 Mbit/s

95th percentile per-packet one-way delay: 248.017 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 636.41 Mbit/s

95th percentile per-packet one-way delay: 257.921 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 551.20 Mbit/s

95th percentile per-packet one-way delay: 245.602 ms

Loss rate: 0.98%

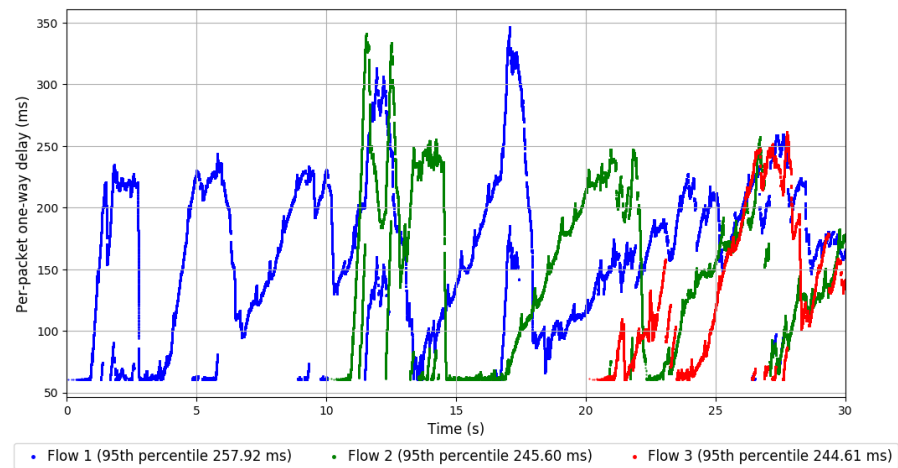
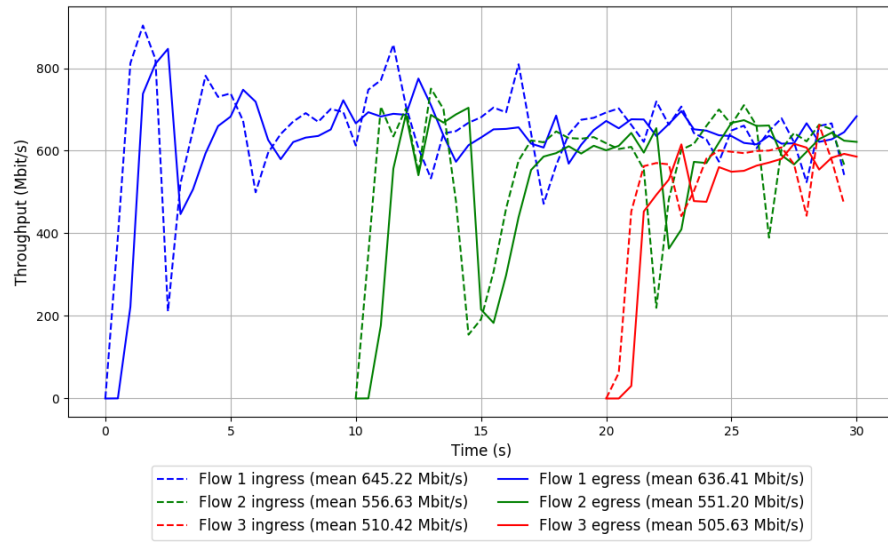
-- Flow 3:

Average throughput: 505.63 Mbit/s

95th percentile per-packet one-way delay: 244.613 ms

Loss rate: 0.67%

Run 9: Report of FillP — Data Link

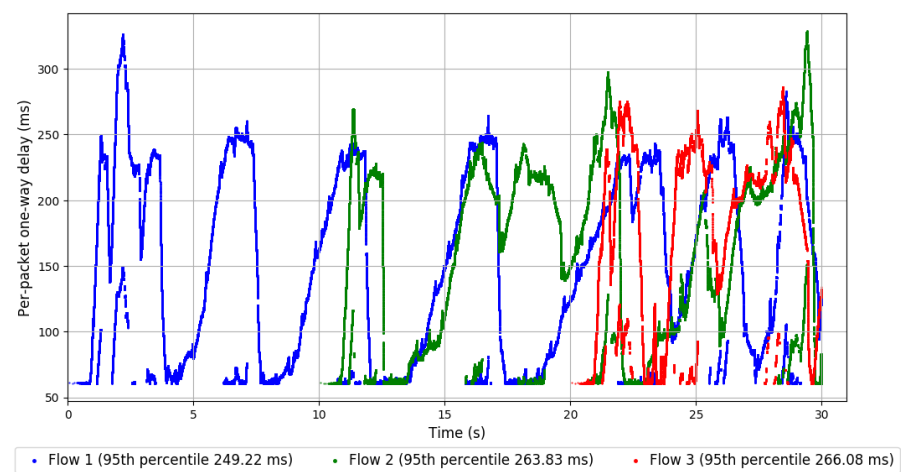
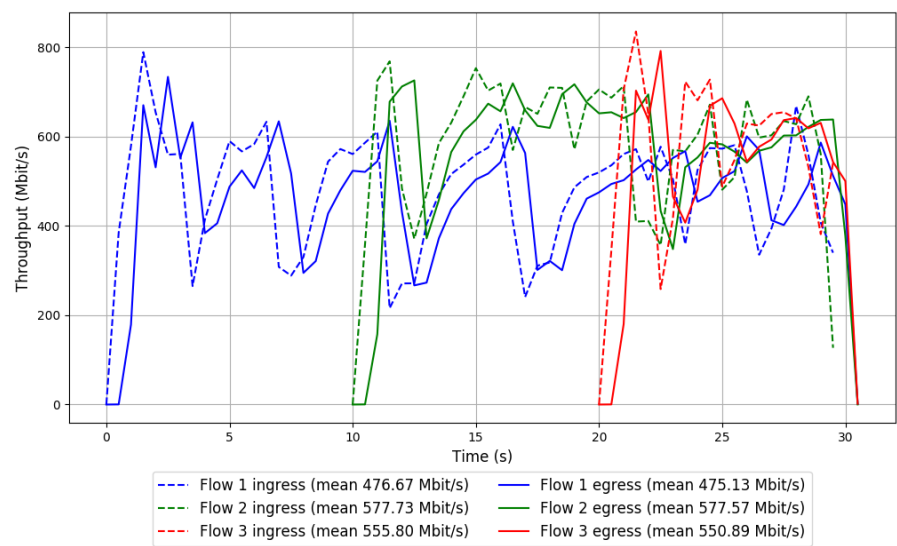


Run 10: Statistics of FillP

Start at: 2018-07-25 18:47:48
End at: 2018-07-25 18:48:18
Local clock offset: 0.136 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-25 20:24:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1042.43 Mbit/s
95th percentile per-packet one-way delay: 258.691 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 475.13 Mbit/s
95th percentile per-packet one-way delay: 249.218 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 577.57 Mbit/s
95th percentile per-packet one-way delay: 263.829 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 550.89 Mbit/s
95th percentile per-packet one-way delay: 266.076 ms
Loss rate: 0.86%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 15:00:29

End at: 2018-07-25 15:00:59

Local clock offset: -0.086 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-25 20:24:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1121.47 Mbit/s

95th percentile per-packet one-way delay: 138.544 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 583.17 Mbit/s

95th percentile per-packet one-way delay: 140.866 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 540.12 Mbit/s

95th percentile per-packet one-way delay: 113.531 ms

Loss rate: 0.24%

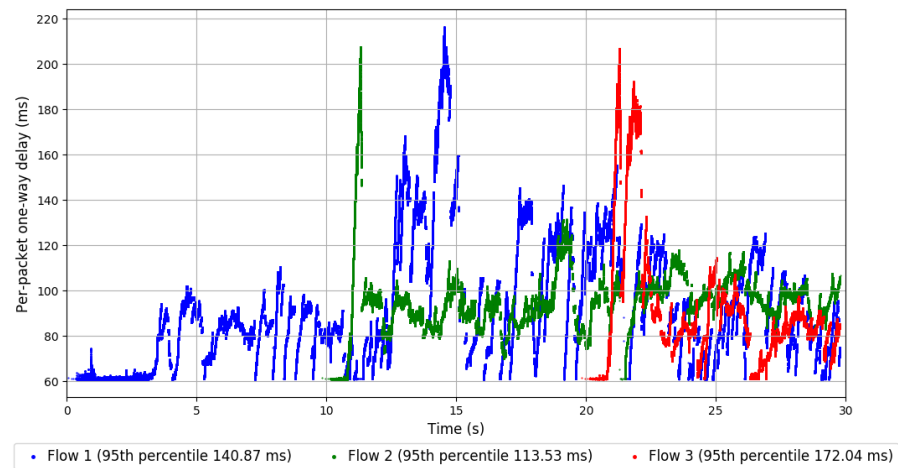
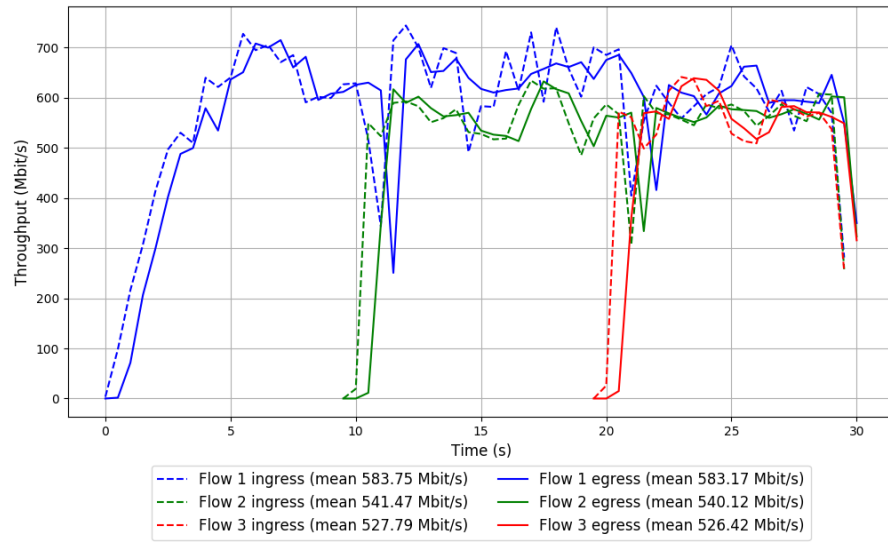
-- Flow 3:

Average throughput: 526.42 Mbit/s

95th percentile per-packet one-way delay: 172.036 ms

Loss rate: 0.25%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 15:24:25

End at: 2018-07-25 15:24:55

Local clock offset: -0.092 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-07-25 20:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1110.26 Mbit/s

95th percentile per-packet one-way delay: 256.747 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 556.95 Mbit/s

95th percentile per-packet one-way delay: 286.404 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 555.14 Mbit/s

95th percentile per-packet one-way delay: 180.762 ms

Loss rate: 1.11%

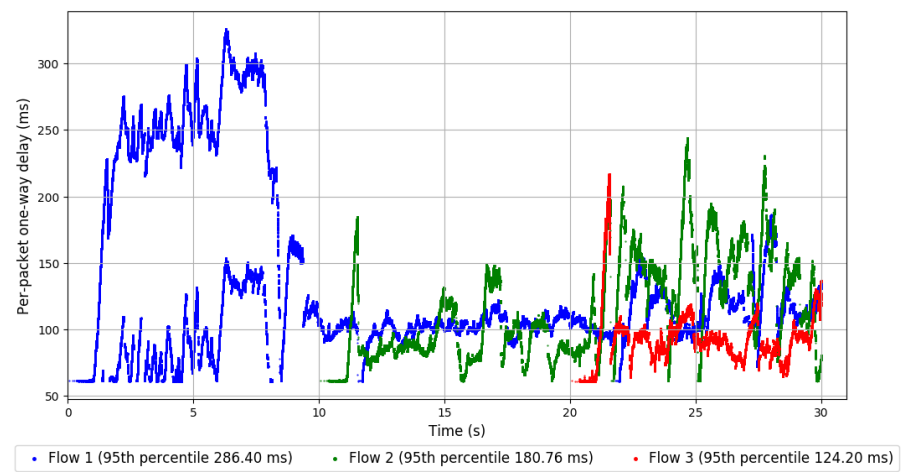
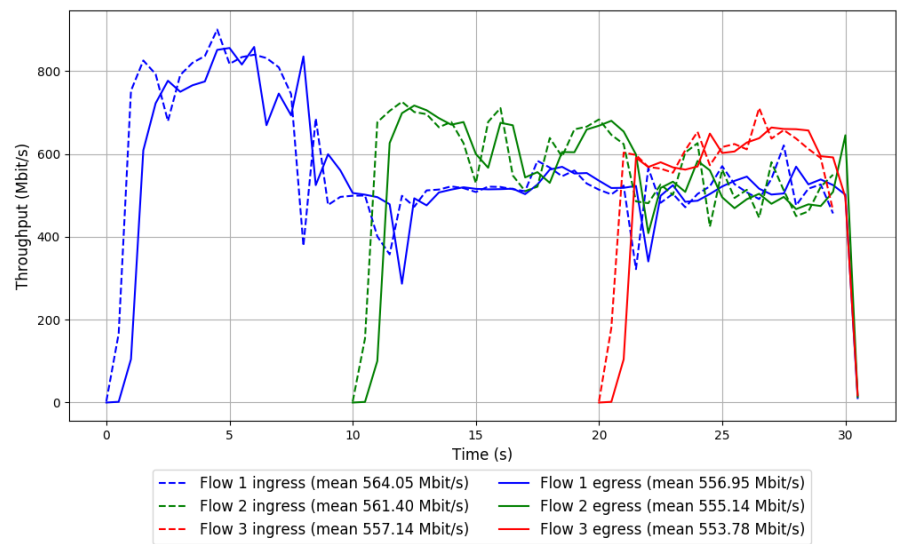
-- Flow 3:

Average throughput: 553.78 Mbit/s

95th percentile per-packet one-way delay: 124.205 ms

Loss rate: 0.54%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 15:48:39

End at: 2018-07-25 15:49:09

Local clock offset: -0.084 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-25 20:27:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 1142.54 Mbit/s

95th percentile per-packet one-way delay: 187.560 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 579.01 Mbit/s

95th percentile per-packet one-way delay: 214.026 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 574.91 Mbit/s

95th percentile per-packet one-way delay: 135.835 ms

Loss rate: 0.06%

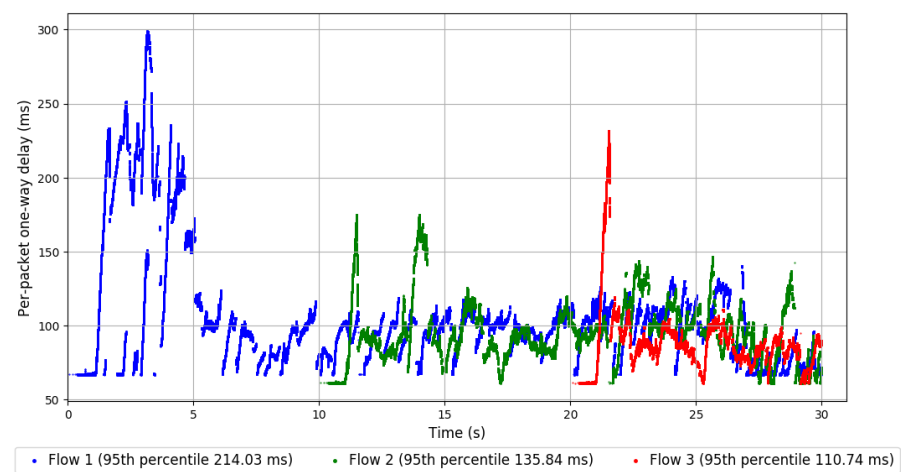
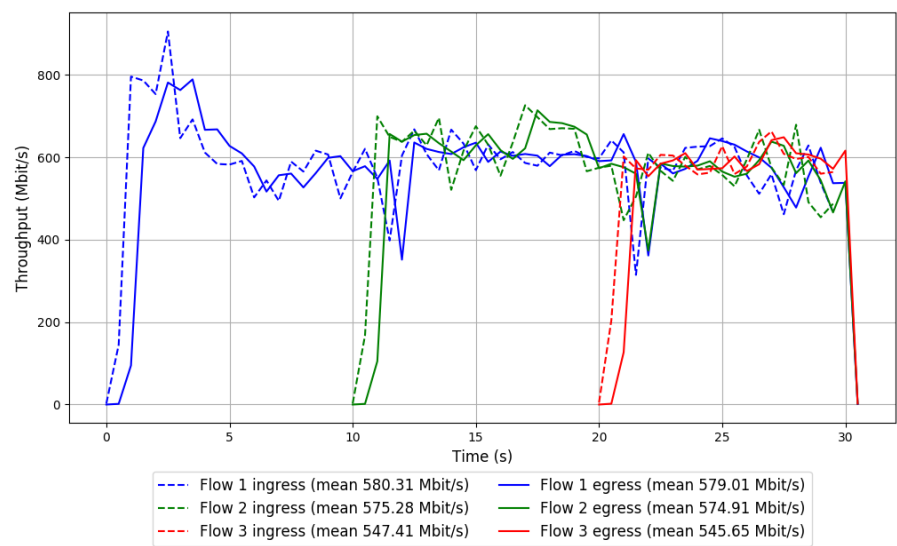
-- Flow 3:

Average throughput: 545.65 Mbit/s

95th percentile per-packet one-way delay: 110.740 ms

Loss rate: 0.33%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 16:12:31

End at: 2018-07-25 16:13:01

Local clock offset: -0.045 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-25 20:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1105.76 Mbit/s

95th percentile per-packet one-way delay: 136.636 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 559.68 Mbit/s

95th percentile per-packet one-way delay: 124.098 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 569.57 Mbit/s

95th percentile per-packet one-way delay: 145.581 ms

Loss rate: 0.33%

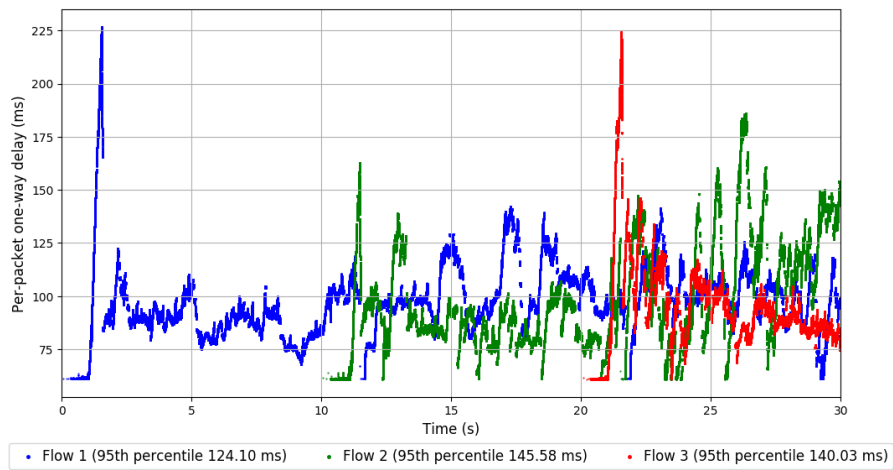
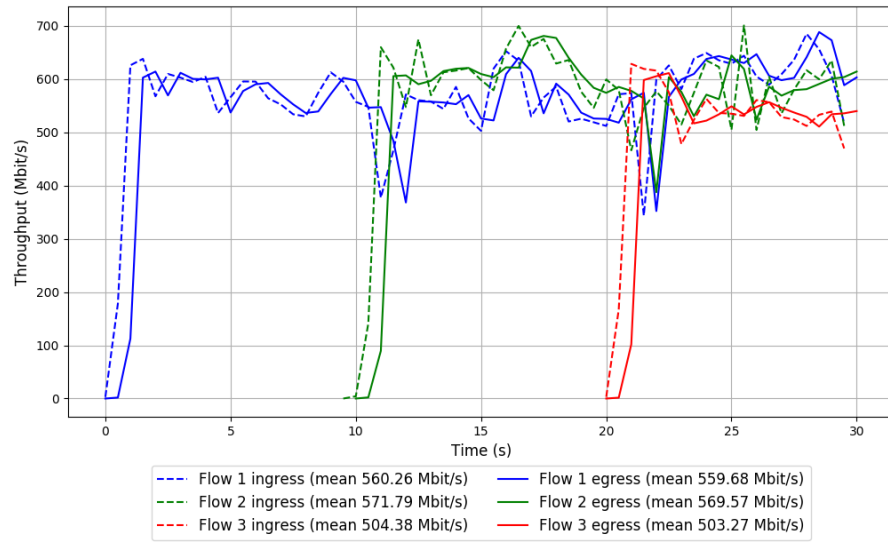
-- Flow 3:

Average throughput: 503.27 Mbit/s

95th percentile per-packet one-way delay: 140.032 ms

Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link

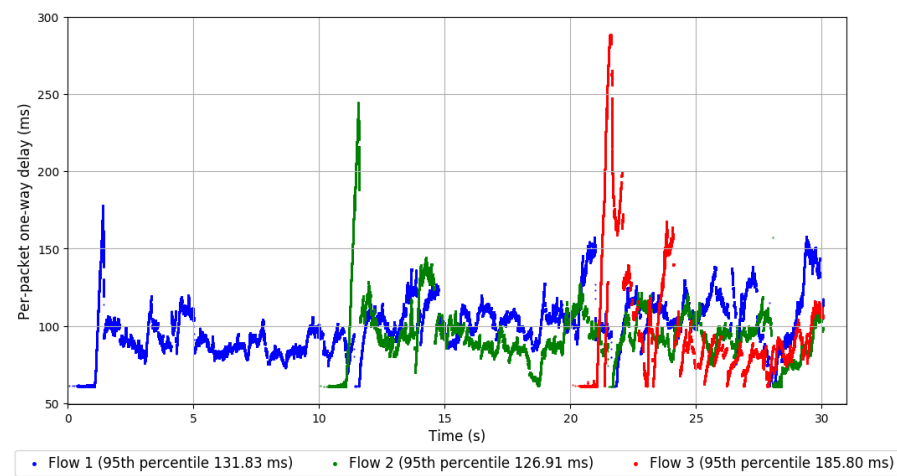
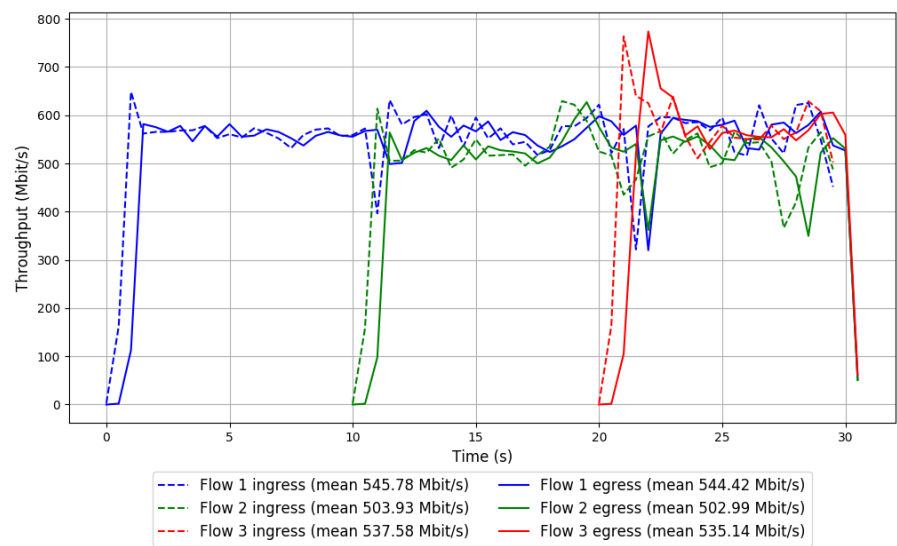


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 16:36:19
End at: 2018-07-25 16:36:49
Local clock offset: -0.122 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-25 20:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1057.32 Mbit/s
95th percentile per-packet one-way delay: 138.303 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 544.42 Mbit/s
95th percentile per-packet one-way delay: 131.832 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 502.99 Mbit/s
95th percentile per-packet one-way delay: 126.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 535.14 Mbit/s
95th percentile per-packet one-way delay: 185.799 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 17:00:31

End at: 2018-07-25 17:01:01

Local clock offset: -0.042 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-25 20:29:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1149.38 Mbit/s

95th percentile per-packet one-way delay: 127.766 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 571.83 Mbit/s

95th percentile per-packet one-way delay: 137.751 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 598.13 Mbit/s

95th percentile per-packet one-way delay: 122.905 ms

Loss rate: 0.21%

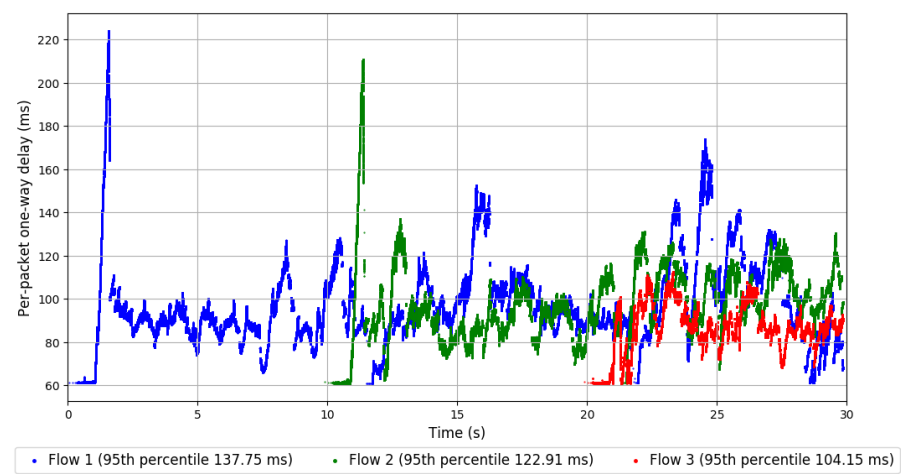
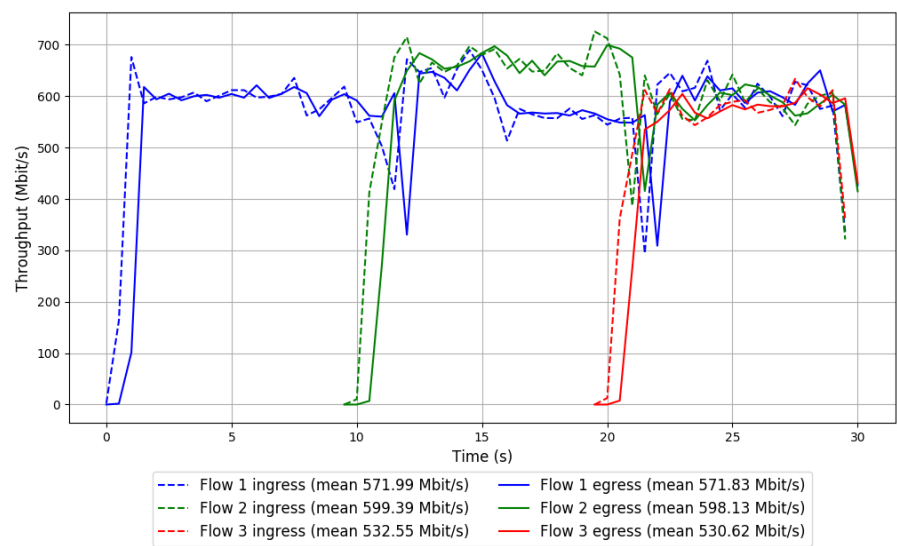
-- Flow 3:

Average throughput: 530.62 Mbit/s

95th percentile per-packet one-way delay: 104.146 ms

Loss rate: 0.36%

Run 6: Report of FillP-Sheep — Data Link

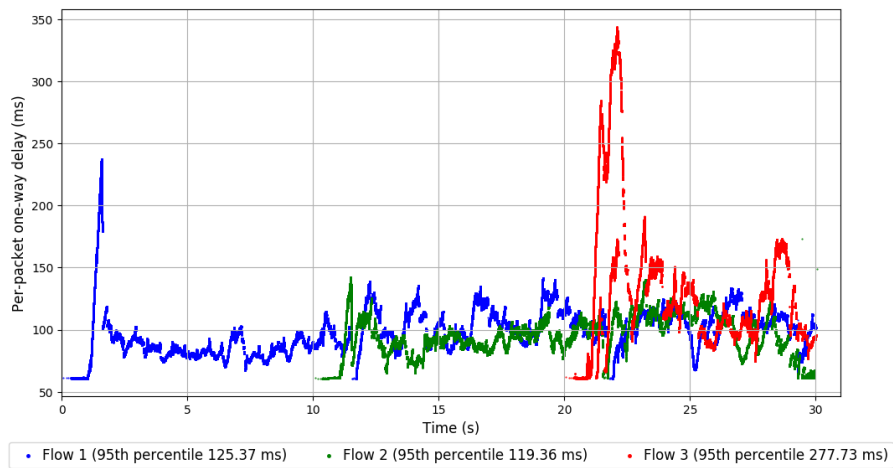
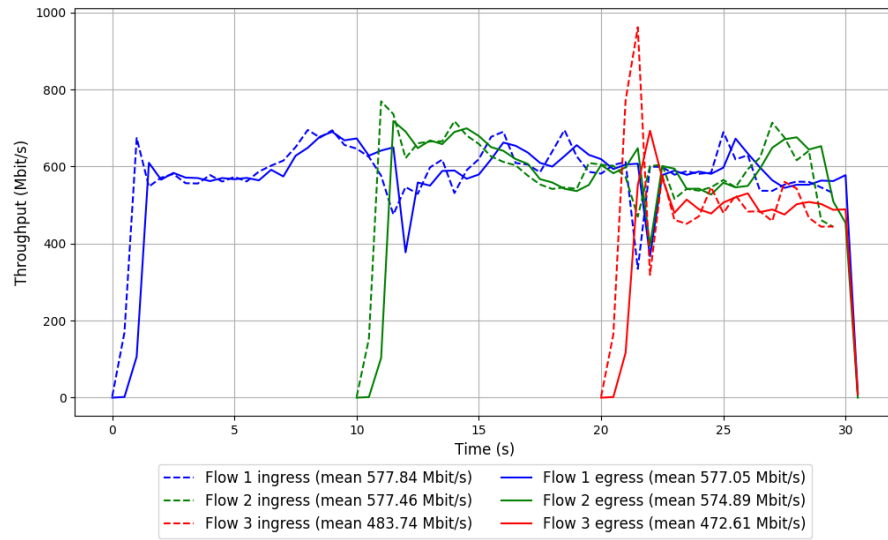


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 17:24:48
End at: 2018-07-25 17:25:18
Local clock offset: -0.022 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-25 20:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 1115.69 Mbit/s
95th percentile per-packet one-way delay: 140.928 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 577.05 Mbit/s
95th percentile per-packet one-way delay: 125.369 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 574.89 Mbit/s
95th percentile per-packet one-way delay: 119.361 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 472.61 Mbit/s
95th percentile per-packet one-way delay: 277.728 ms
Loss rate: 2.30%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 17:49:10

End at: 2018-07-25 17:49:40

Local clock offset: 0.044 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-25 20:50:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1137.36 Mbit/s

95th percentile per-packet one-way delay: 222.596 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 572.33 Mbit/s

95th percentile per-packet one-way delay: 135.554 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 588.96 Mbit/s

95th percentile per-packet one-way delay: 294.150 ms

Loss rate: 1.59%

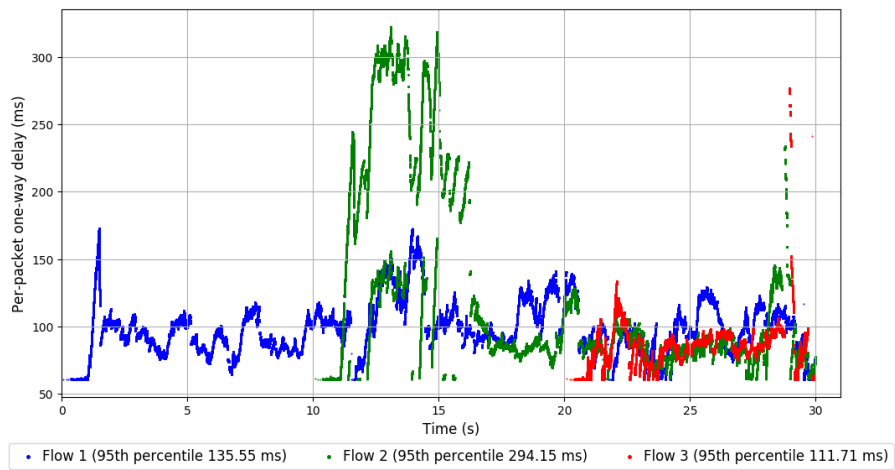
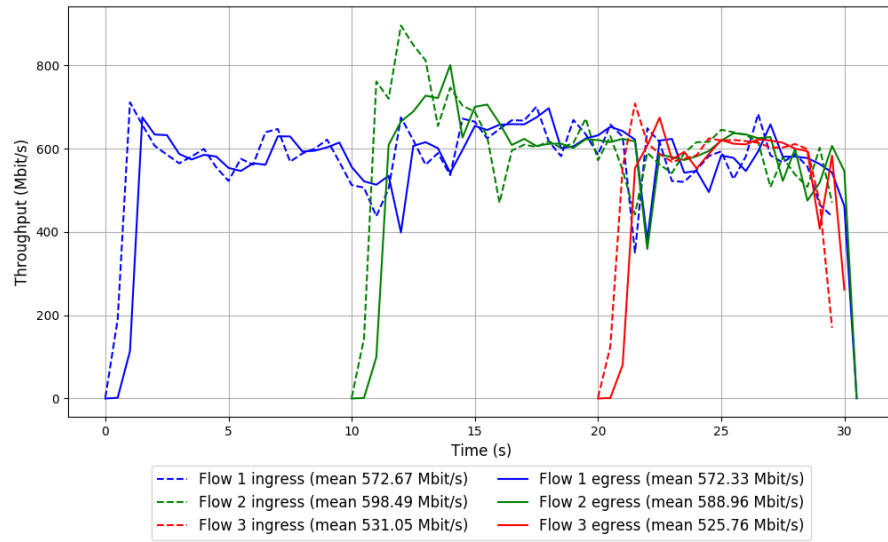
-- Flow 3:

Average throughput: 525.76 Mbit/s

95th percentile per-packet one-way delay: 111.712 ms

Loss rate: 1.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 18:13:17

End at: 2018-07-25 18:13:47

Local clock offset: 0.088 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-25 20:50:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1047.77 Mbit/s

95th percentile per-packet one-way delay: 212.717 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 548.22 Mbit/s

95th percentile per-packet one-way delay: 115.306 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 498.76 Mbit/s

95th percentile per-packet one-way delay: 246.312 ms

Loss rate: 0.15%

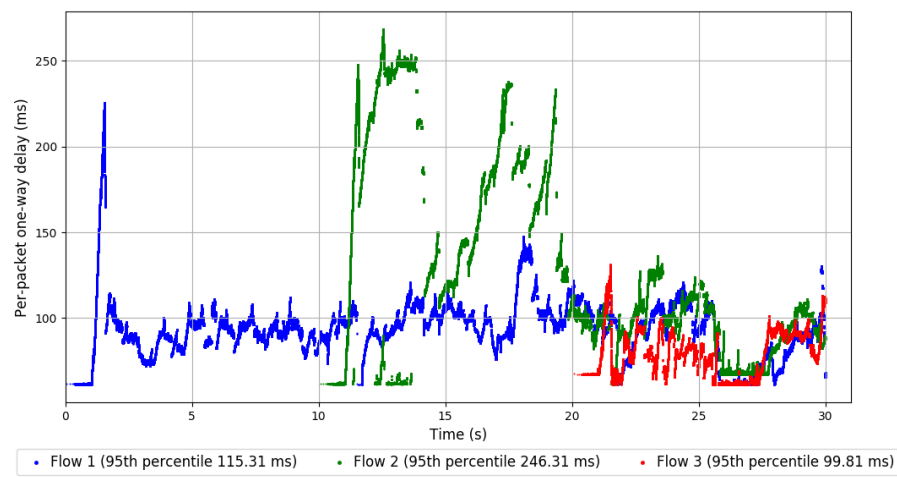
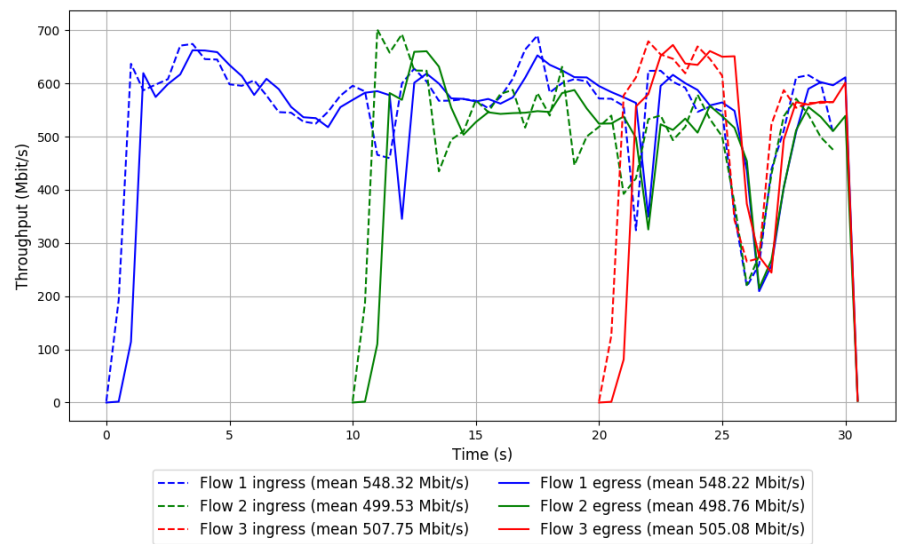
-- Flow 3:

Average throughput: 505.08 Mbit/s

95th percentile per-packet one-way delay: 99.807 ms

Loss rate: 0.58%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 18:37:36

End at: 2018-07-25 18:38:06

Local clock offset: 0.149 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-25 20:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1122.75 Mbit/s

95th percentile per-packet one-way delay: 220.560 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 561.91 Mbit/s

95th percentile per-packet one-way delay: 234.630 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 565.70 Mbit/s

95th percentile per-packet one-way delay: 102.972 ms

Loss rate: 0.11%

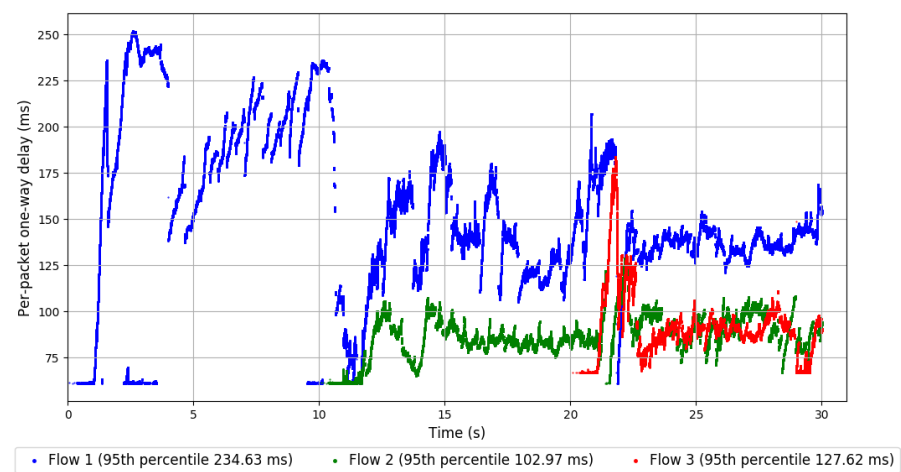
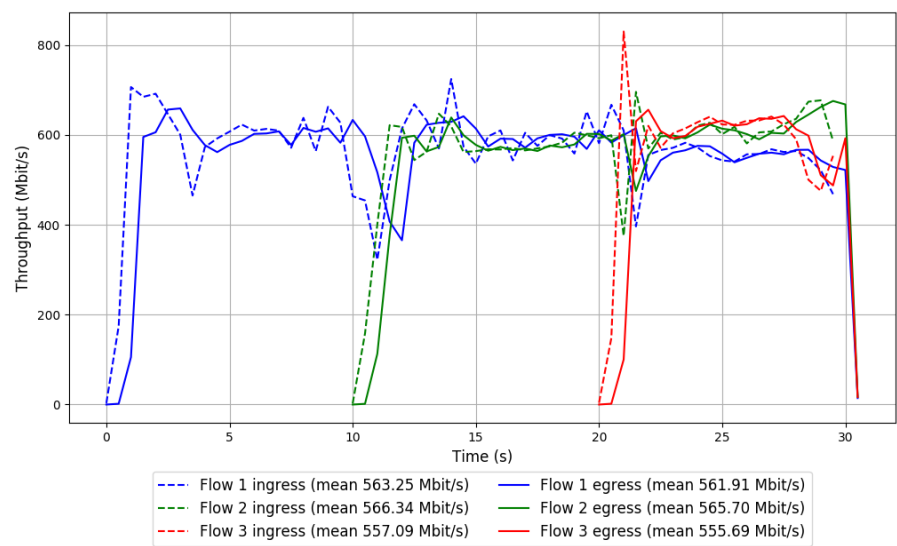
-- Flow 3:

Average throughput: 555.69 Mbit/s

95th percentile per-packet one-way delay: 127.618 ms

Loss rate: 0.30%

Run 10: Report of FillP-Sheep — Data Link

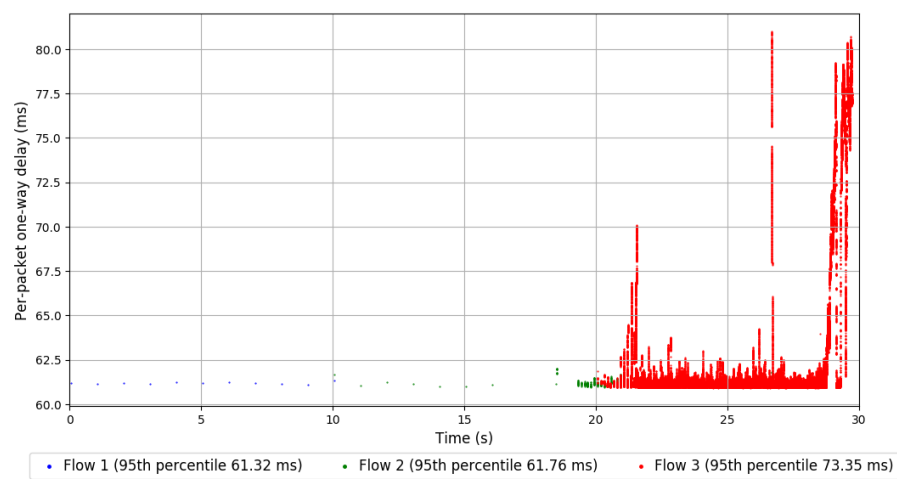
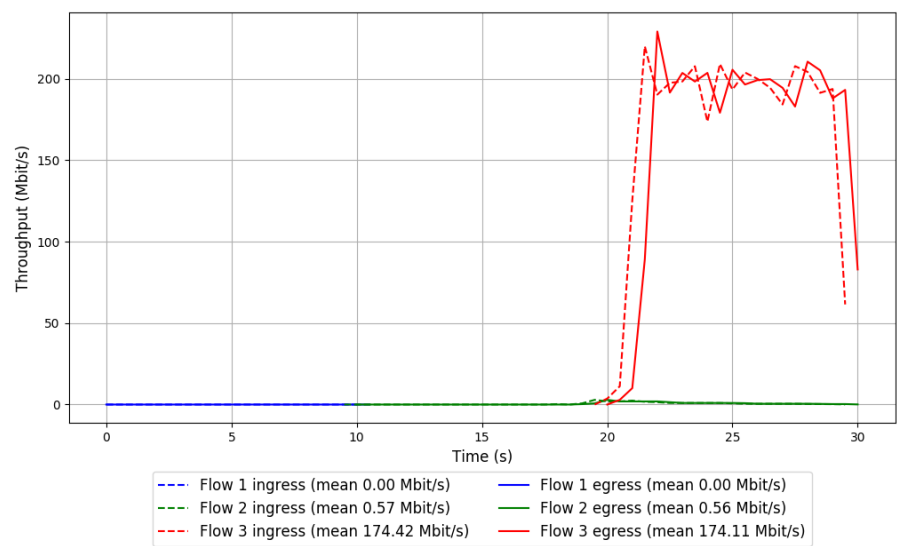


```
Run 1: Statistics of Indigo

Start at: 2018-07-25 15:05:02
End at: 2018-07-25 15:05:32
Local clock offset: -0.127 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-25 20:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 73.277 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 61.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 174.11 Mbit/s
95th percentile per-packet one-way delay: 73.351 ms
Loss rate: 0.17%
```

Run 1: Report of Indigo — Data Link

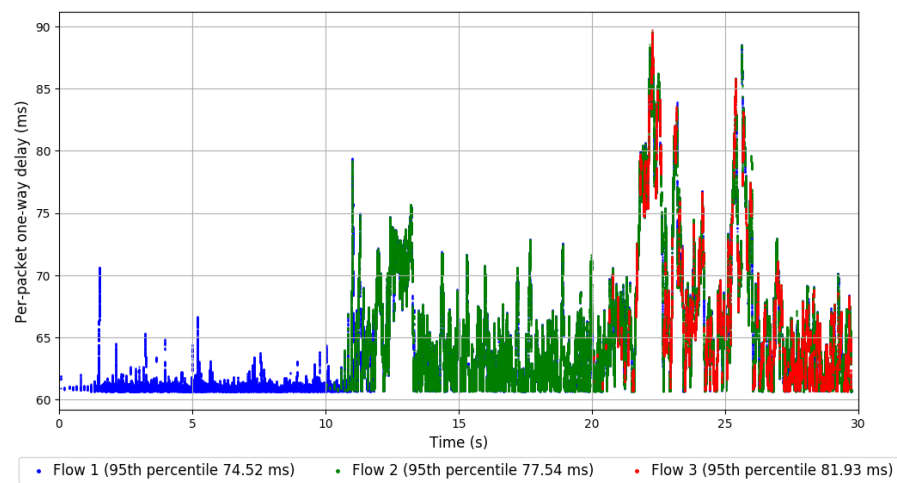
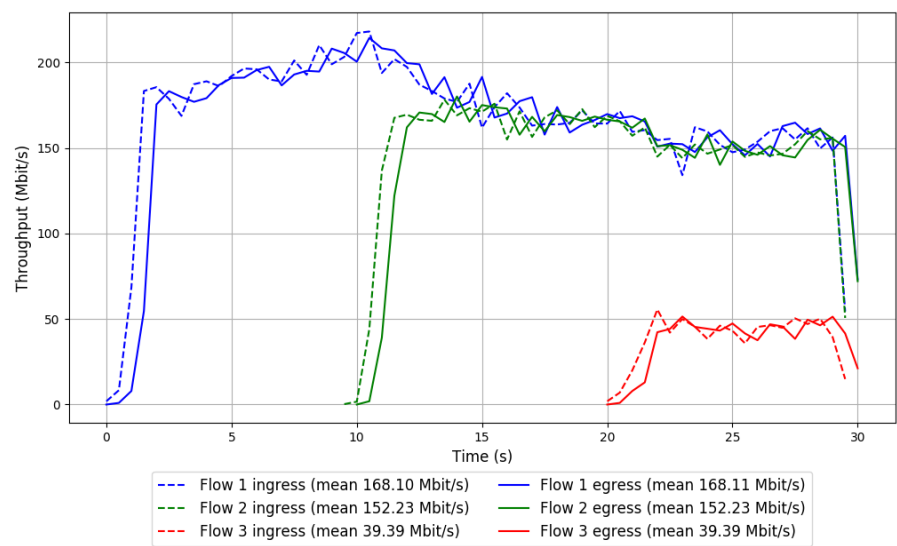


Run 2: Statistics of Indigo

Start at: 2018-07-25 15:28:57
End at: 2018-07-25 15:29:27
Local clock offset: -0.054 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.93 Mbit/s
95th percentile per-packet one-way delay: 76.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.11 Mbit/s
95th percentile per-packet one-way delay: 74.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.23 Mbit/s
95th percentile per-packet one-way delay: 77.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 81.933 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-25 15:53:11

End at: 2018-07-25 15:53:41

Local clock offset: -0.056 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-25 20:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.31 Mbit/s

95th percentile per-packet one-way delay: 71.004 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 68.377 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 129.49 Mbit/s

95th percentile per-packet one-way delay: 70.736 ms

Loss rate: 0.05%

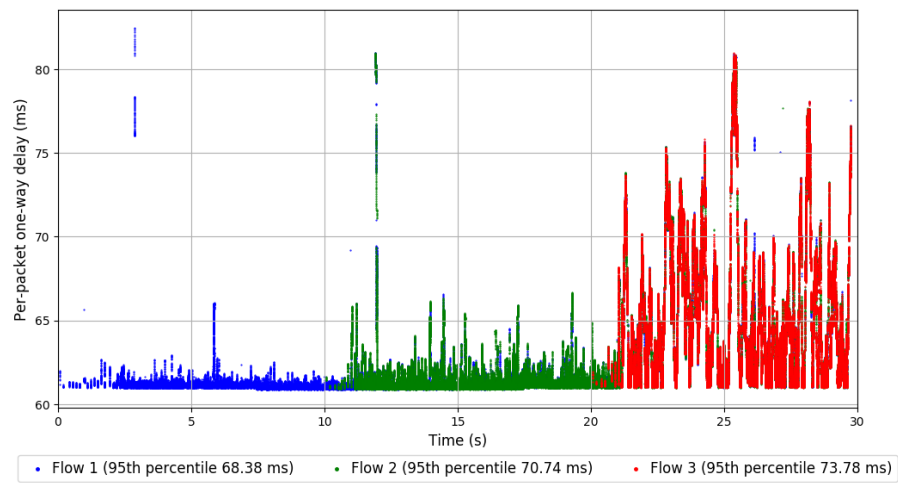
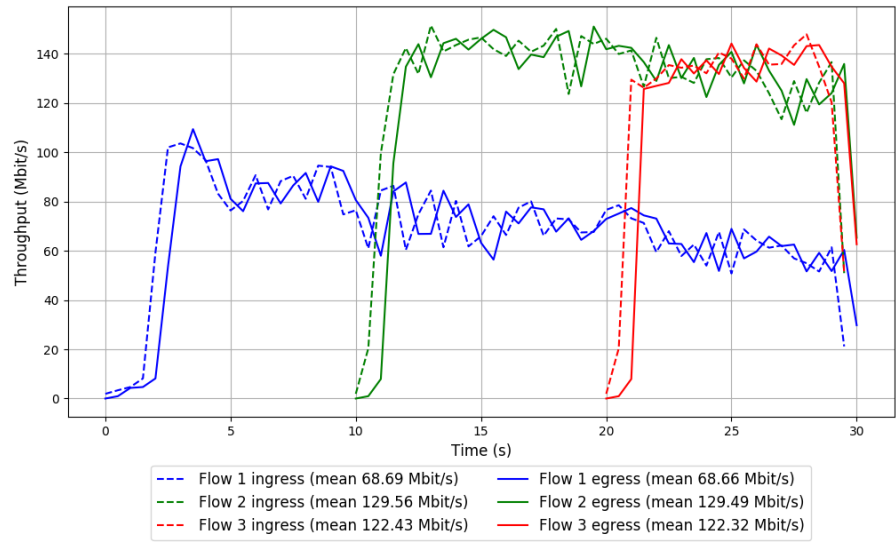
-- Flow 3:

Average throughput: 122.32 Mbit/s

95th percentile per-packet one-way delay: 73.778 ms

Loss rate: 0.07%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-25 16:17:01

End at: 2018-07-25 16:17:31

Local clock offset: -0.046 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-25 20:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.17 Mbit/s

95th percentile per-packet one-way delay: 88.652 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 134.88 Mbit/s

95th percentile per-packet one-way delay: 84.540 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 139.05 Mbit/s

95th percentile per-packet one-way delay: 89.367 ms

Loss rate: 0.04%

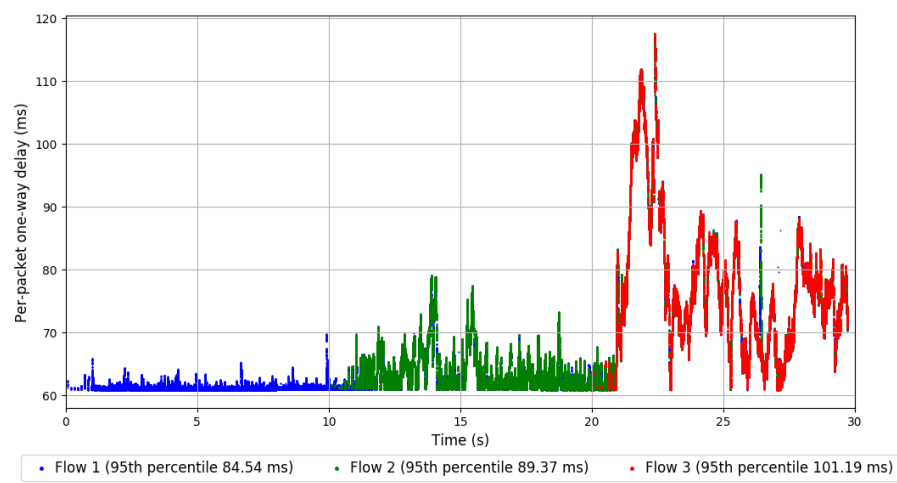
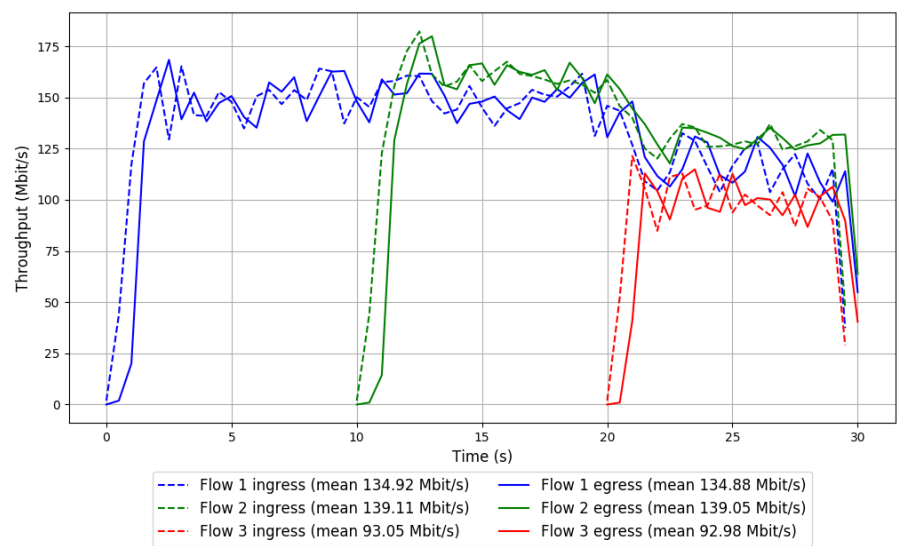
-- Flow 3:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 101.194 ms

Loss rate: 0.08%

Run 4: Report of Indigo — Data Link

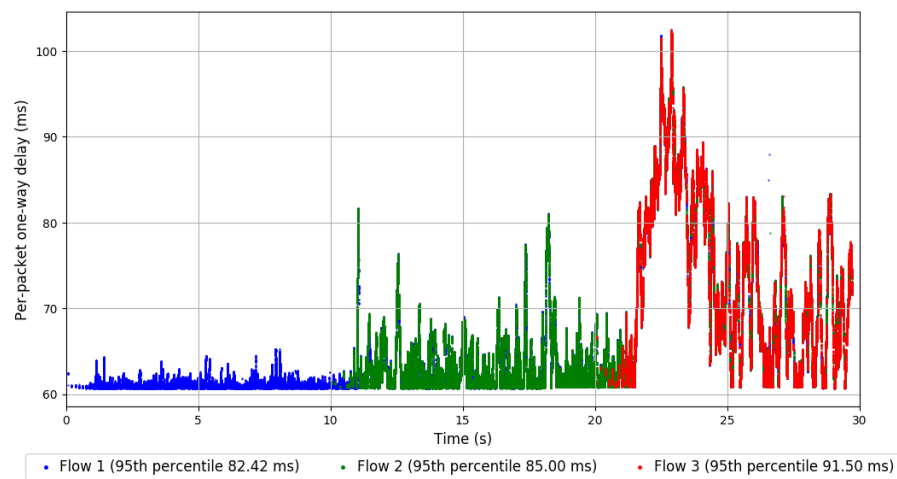
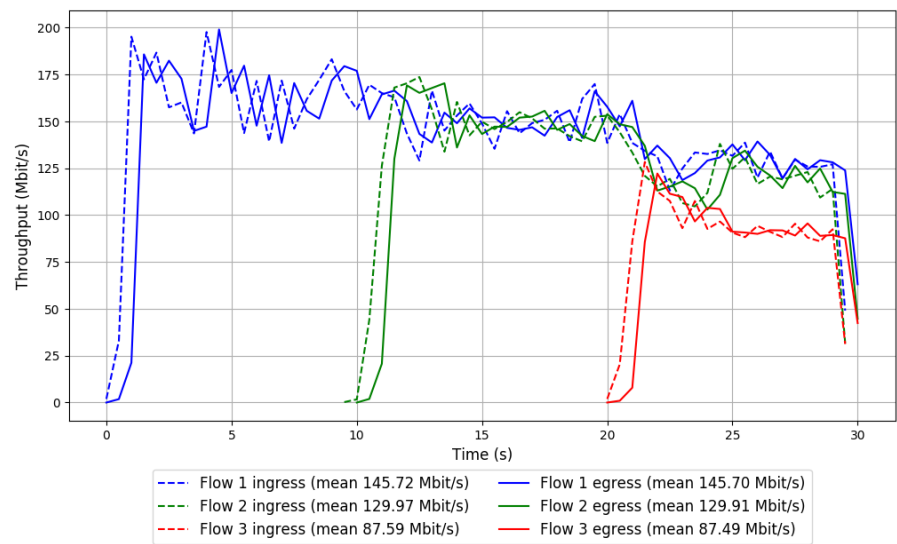


Run 5: Statistics of Indigo

Start at: 2018-07-25 16:40:50
End at: 2018-07-25 16:41:20
Local clock offset: -0.102 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.33 Mbit/s
95th percentile per-packet one-way delay: 85.140 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 145.70 Mbit/s
95th percentile per-packet one-way delay: 82.425 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 85.005 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 91.497 ms
Loss rate: 0.11%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 17:05:03

End at: 2018-07-25 17:05:33

Local clock offset: -0.053 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-25 20:51:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.70 Mbit/s

95th percentile per-packet one-way delay: 79.608 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.50 Mbit/s

95th percentile per-packet one-way delay: 75.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.32 Mbit/s

95th percentile per-packet one-way delay: 80.041 ms

Loss rate: 0.00%

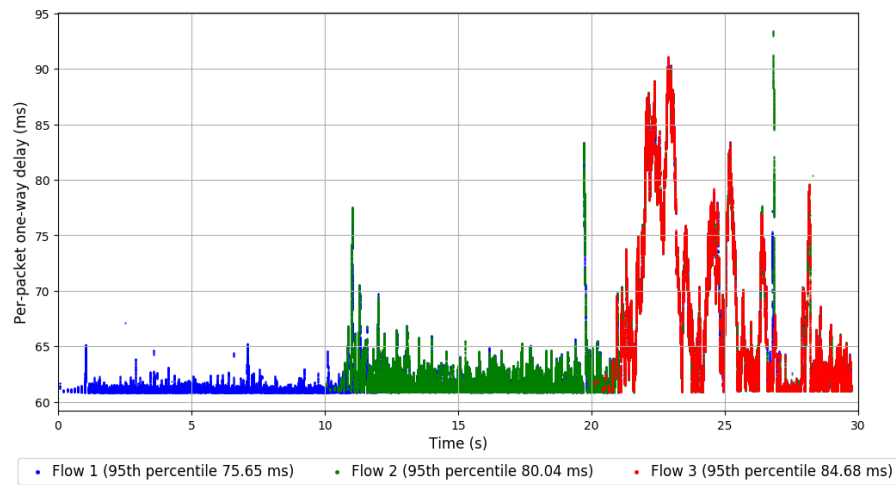
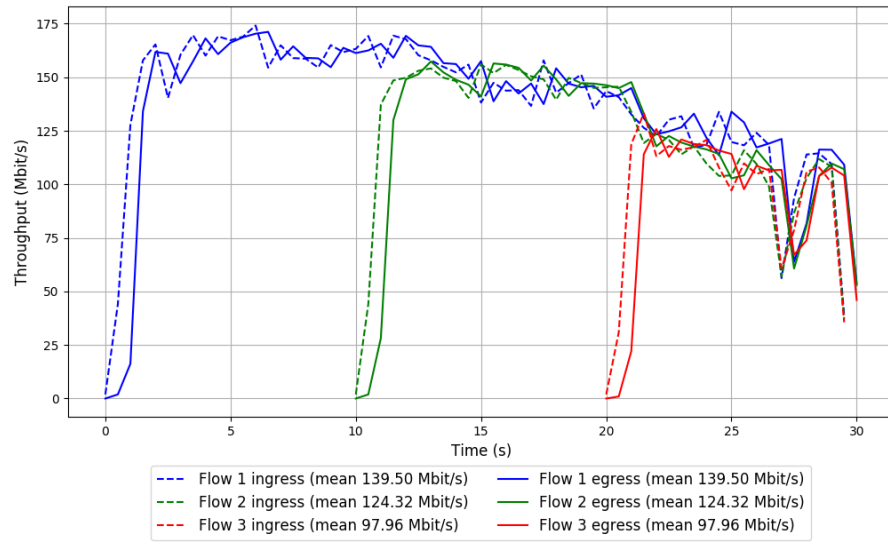
-- Flow 3:

Average throughput: 97.96 Mbit/s

95th percentile per-packet one-way delay: 84.679 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

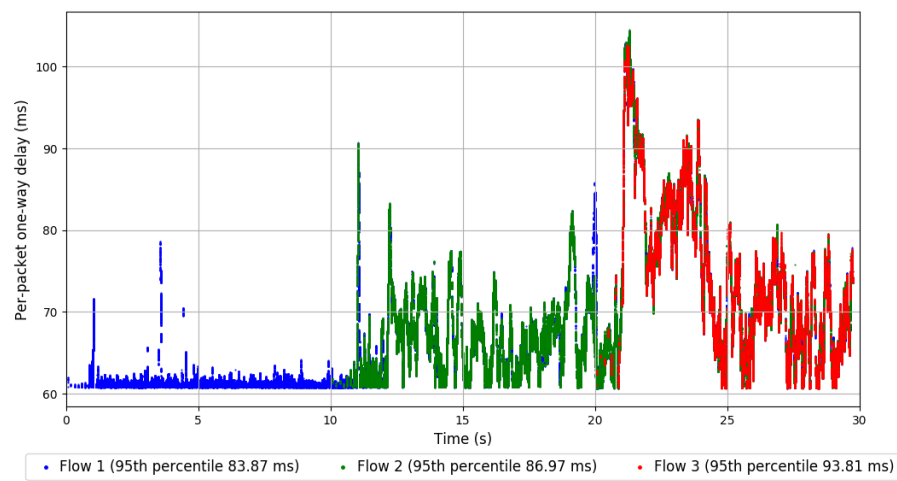
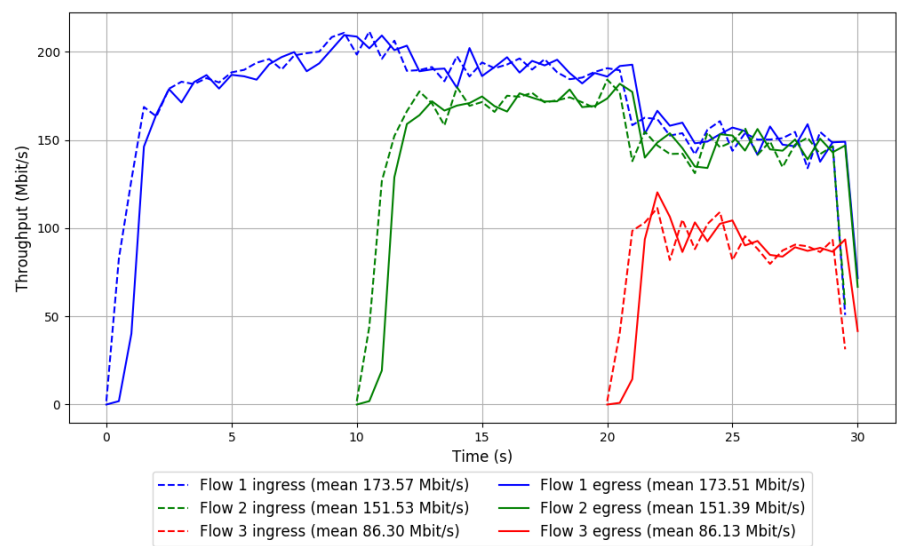


Run 7: Statistics of Indigo

Start at: 2018-07-25 17:29:19
End at: 2018-07-25 17:29:50
Local clock offset: -0.005 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.81 Mbit/s
95th percentile per-packet one-way delay: 86.461 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 173.51 Mbit/s
95th percentile per-packet one-way delay: 83.867 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.39 Mbit/s
95th percentile per-packet one-way delay: 86.967 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 93.809 ms
Loss rate: 0.15%

Run 7: Report of Indigo — Data Link

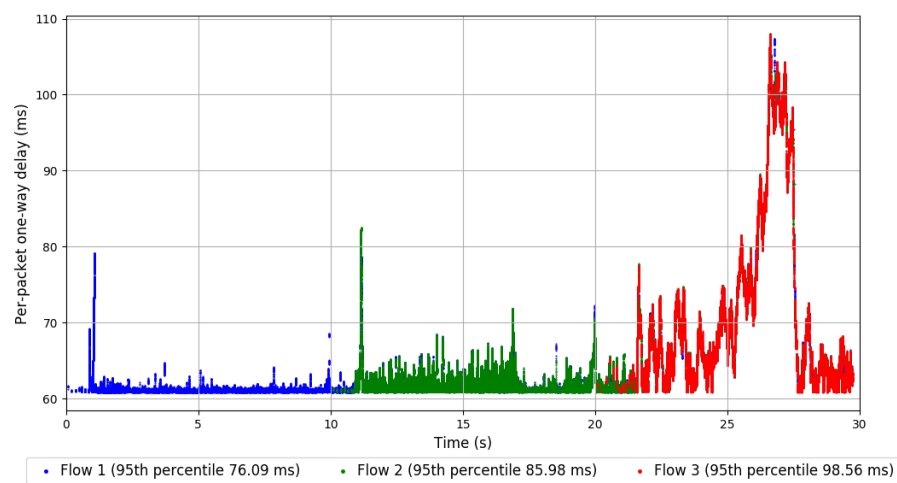
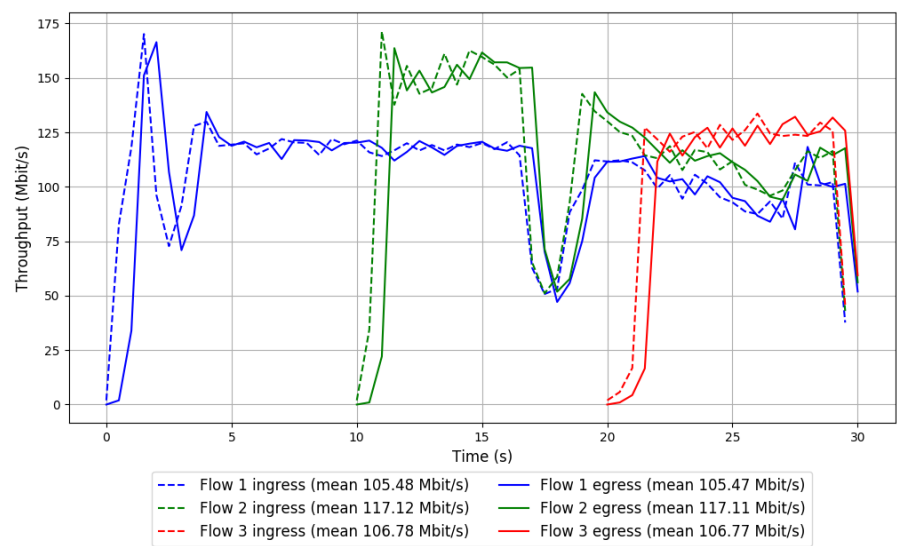


Run 8: Statistics of Indigo

Start at: 2018-07-25 17:53:41
End at: 2018-07-25 17:54:11
Local clock offset: 0.056 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.69 Mbit/s
95th percentile per-packet one-way delay: 88.037 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.47 Mbit/s
95th percentile per-packet one-way delay: 76.087 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 117.11 Mbit/s
95th percentile per-packet one-way delay: 85.985 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 106.77 Mbit/s
95th percentile per-packet one-way delay: 98.565 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

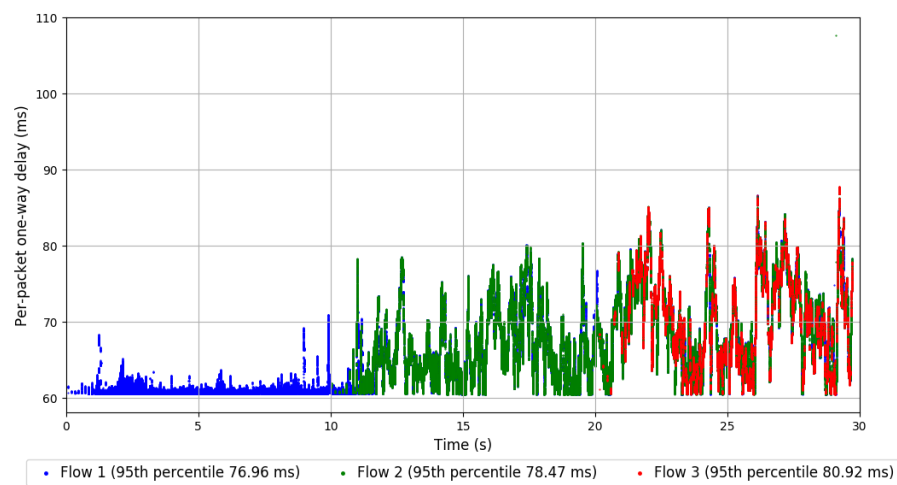
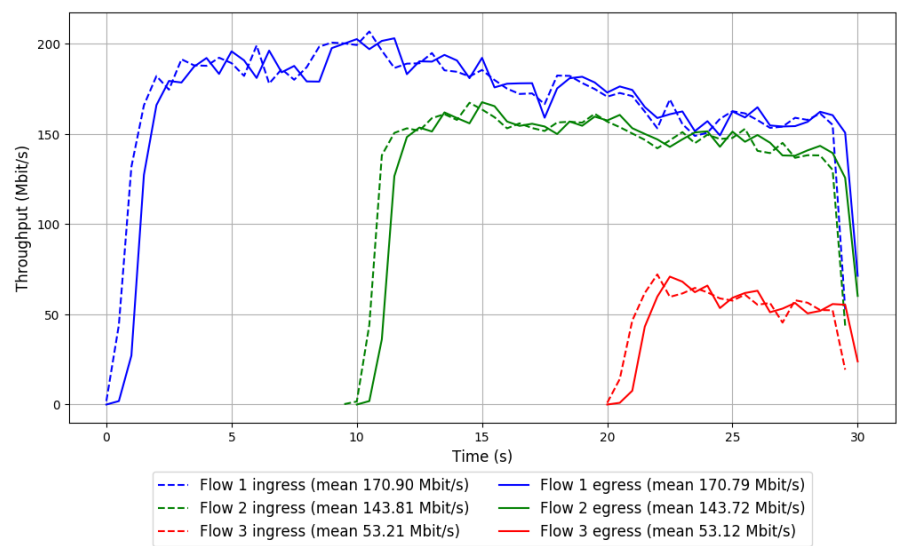


Run 9: Statistics of Indigo

Start at: 2018-07-25 18:17:44
End at: 2018-07-25 18:18:14
Local clock offset: 0.101 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.21 Mbit/s
95th percentile per-packet one-way delay: 77.874 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 170.79 Mbit/s
95th percentile per-packet one-way delay: 76.958 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 143.72 Mbit/s
95th percentile per-packet one-way delay: 78.475 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 80.921 ms
Loss rate: 0.18%

Run 9: Report of Indigo — Data Link

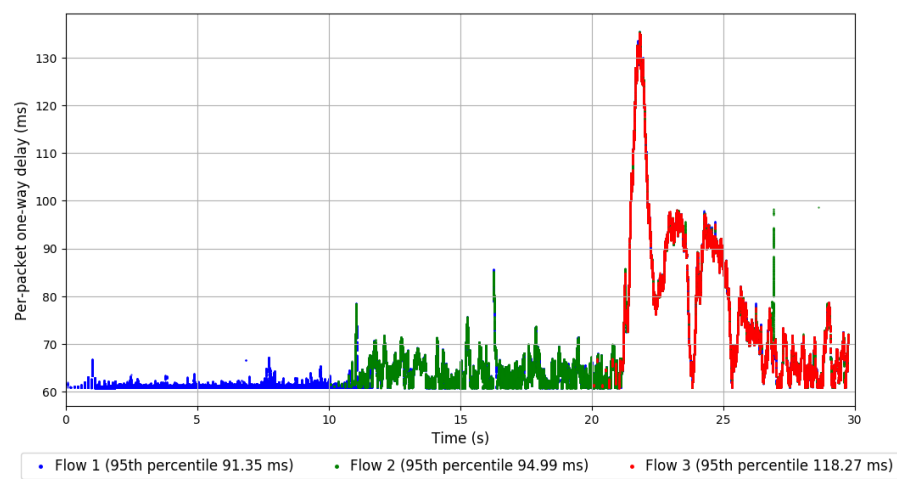
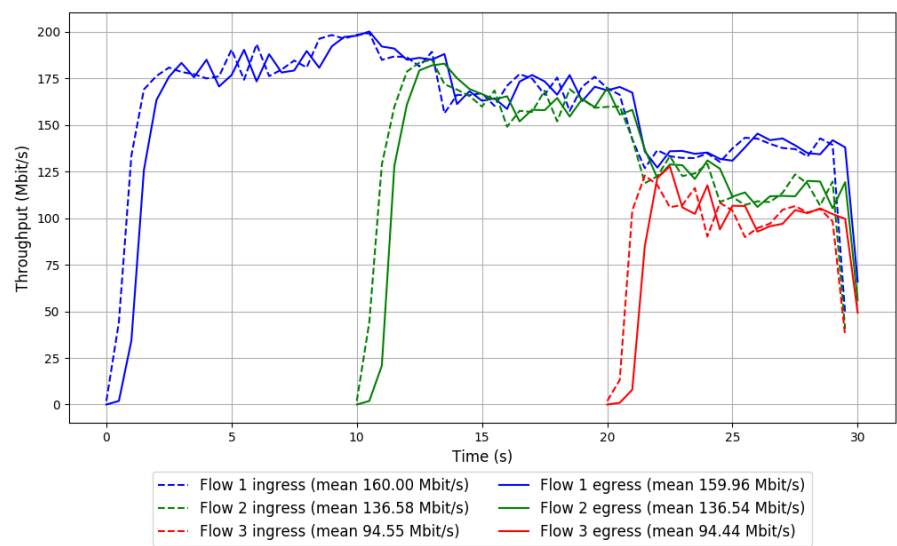


Run 10: Statistics of Indigo

Start at: 2018-07-25 18:42:07
End at: 2018-07-25 18:42:37
Local clock offset: 0.115 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.15 Mbit/s
95th percentile per-packet one-way delay: 94.852 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 159.96 Mbit/s
95th percentile per-packet one-way delay: 91.354 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 136.54 Mbit/s
95th percentile per-packet one-way delay: 94.990 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 118.273 ms
Loss rate: 0.12%

Run 10: Report of Indigo — Data Link

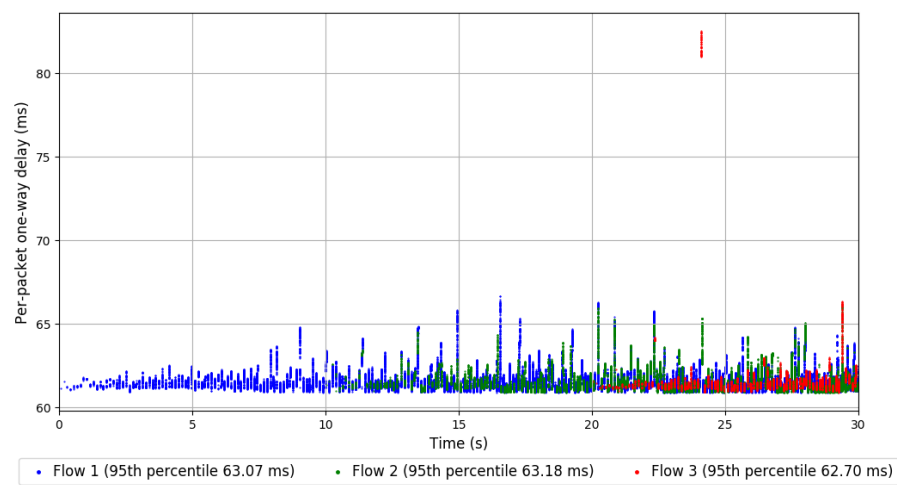
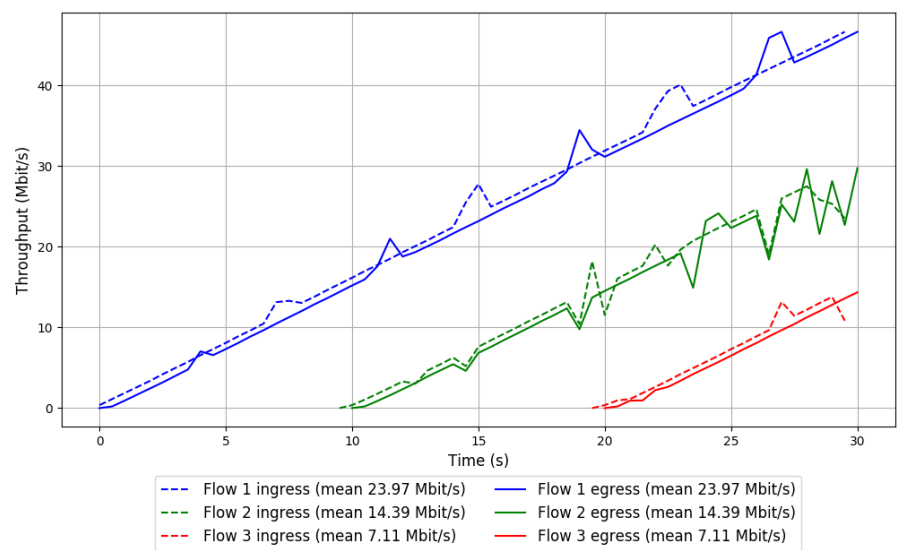


Run 1: Statistics of LEDBAT

Start at: 2018-07-25 15:13:59
End at: 2018-07-25 15:14:29
Local clock offset: -0.101 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 63.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.066 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 63.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 62.696 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

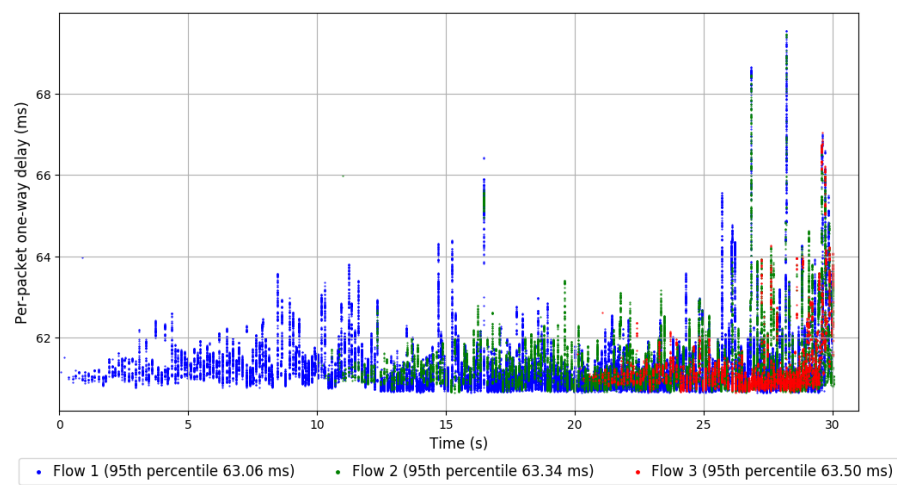
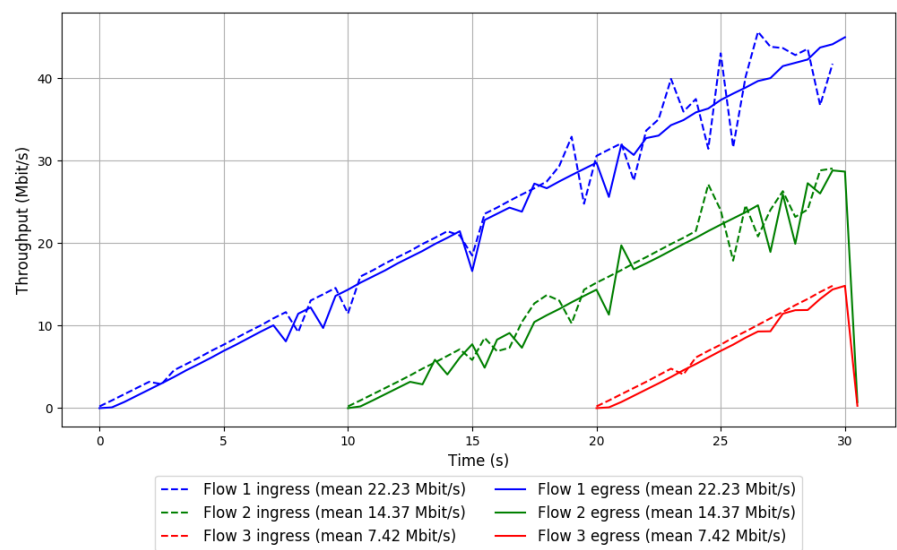


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 15:38:07
End at: 2018-07-25 15:38:37
Local clock offset: -0.049 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 63.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 63.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 63.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 63.501 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 16:01:59

End at: 2018-07-25 16:02:29

Local clock offset: -0.073 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-25 20:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.12 Mbit/s

95th percentile per-packet one-way delay: 63.583 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 63.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.62 Mbit/s

95th percentile per-packet one-way delay: 63.728 ms

Loss rate: 0.00%

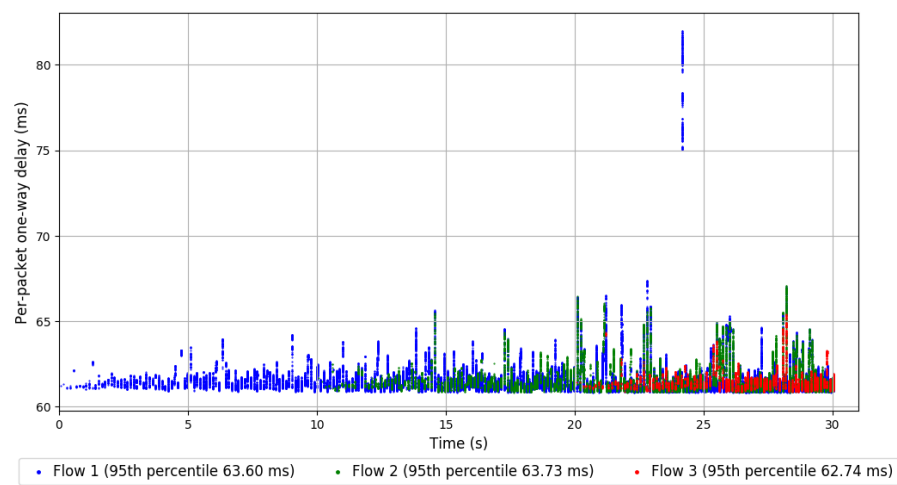
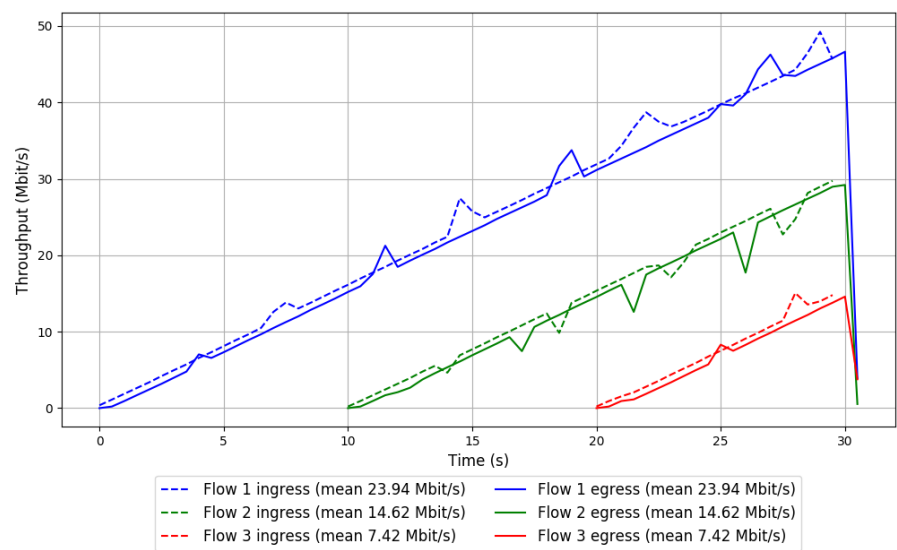
-- Flow 3:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 62.744 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

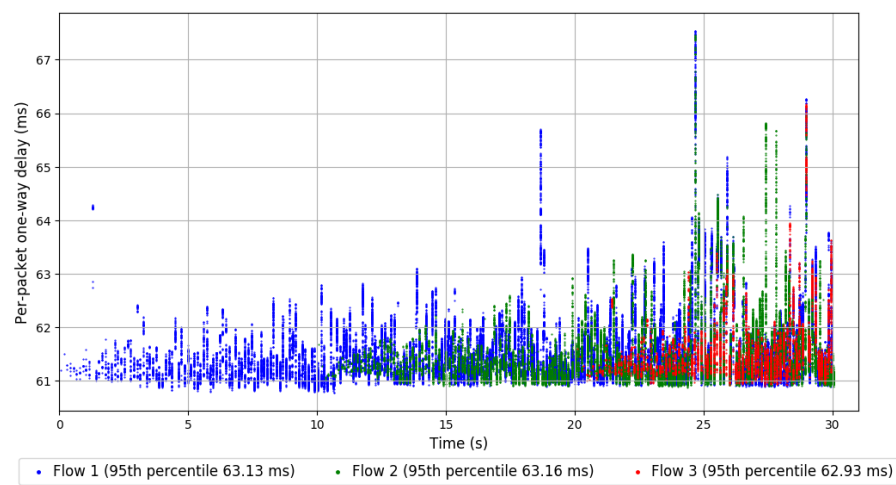
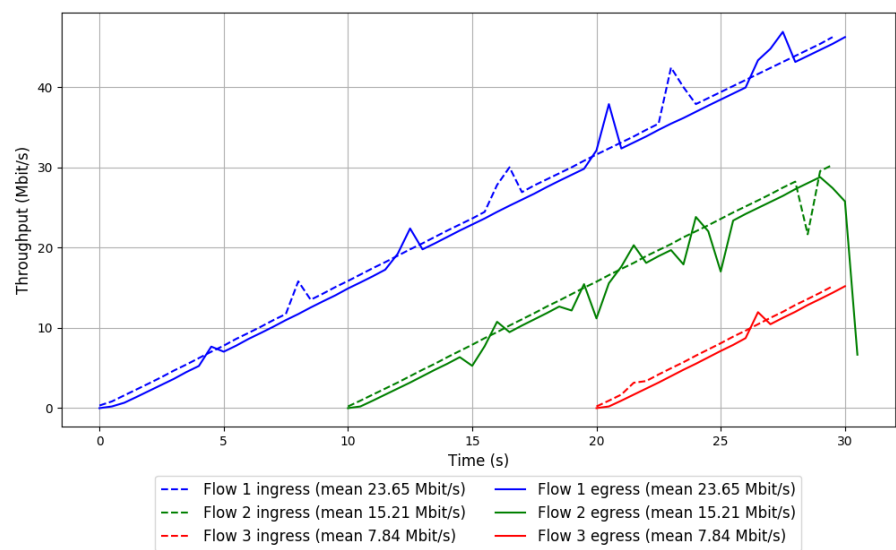


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 16:25:58
End at: 2018-07-25 16:26:28
Local clock offset: -0.064 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 63.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 63.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 63.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 62.929 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-25 16:50:01

End at: 2018-07-25 16:50:31

Local clock offset: -0.119 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-07-25 20:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 62.851 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 62.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.30 Mbit/s

95th percentile per-packet one-way delay: 63.176 ms

Loss rate: 0.00%

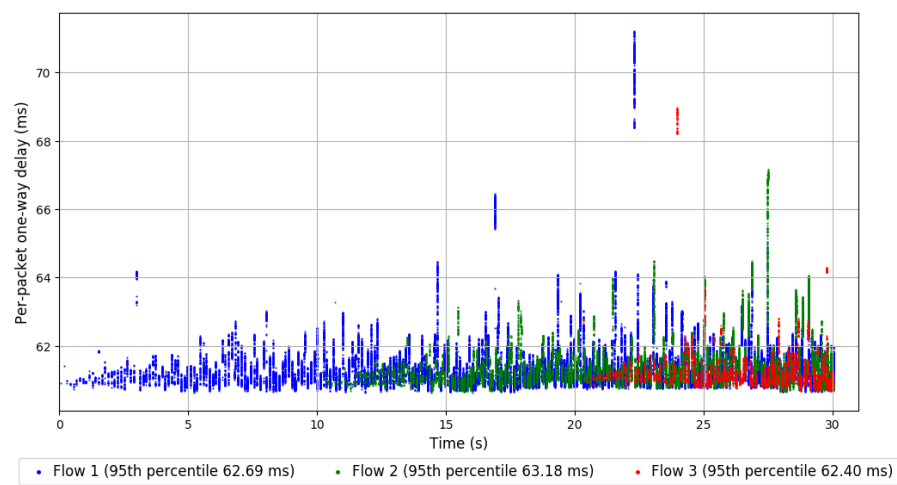
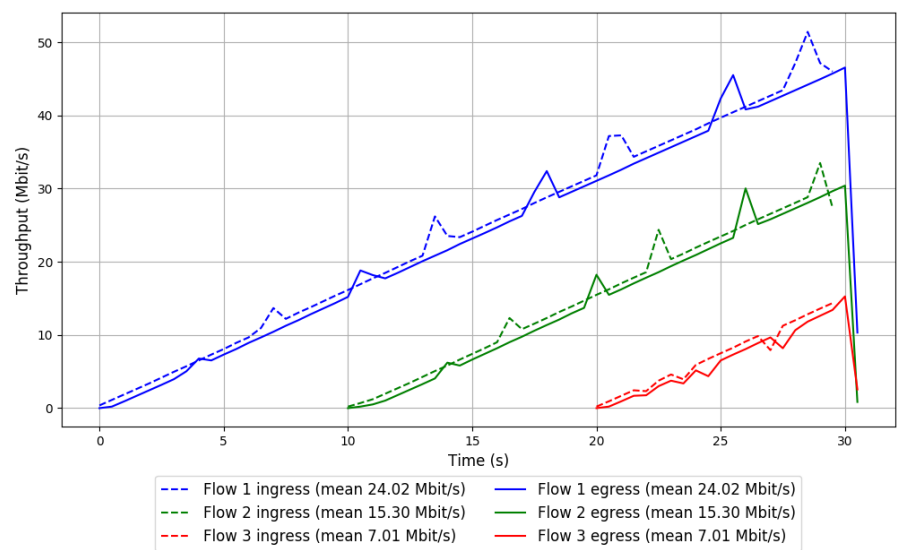
-- Flow 3:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 62.395 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 17:14:14

End at: 2018-07-25 17:14:44

Local clock offset: 0.005 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 20:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.35 Mbit/s

95th percentile per-packet one-way delay: 63.020 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 63.137 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 62.591 ms

Loss rate: 0.00%

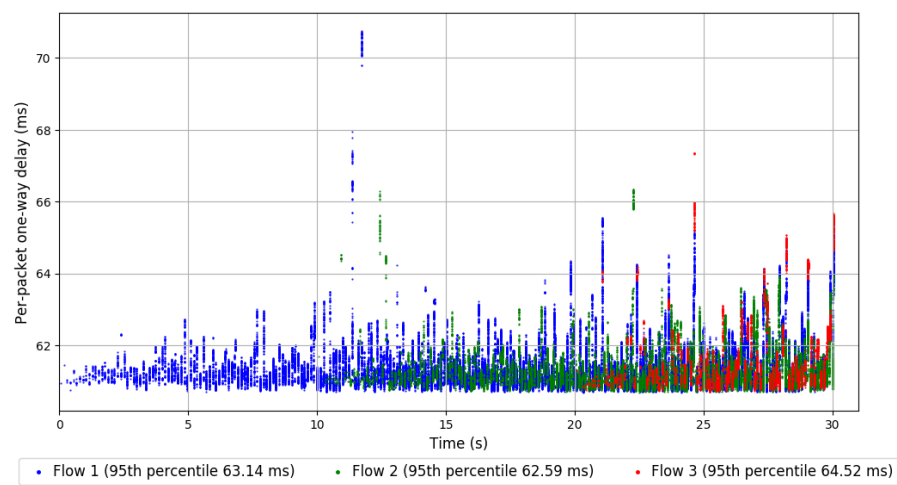
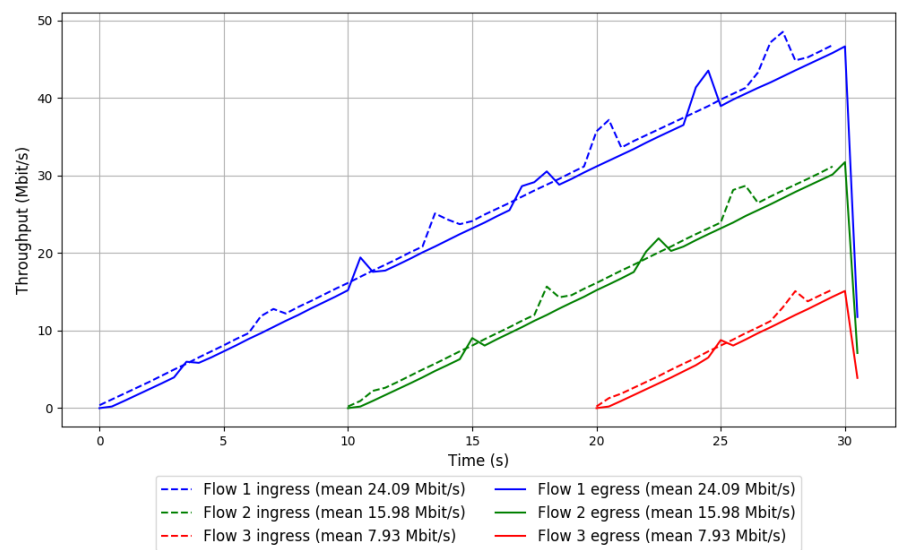
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 64.516 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

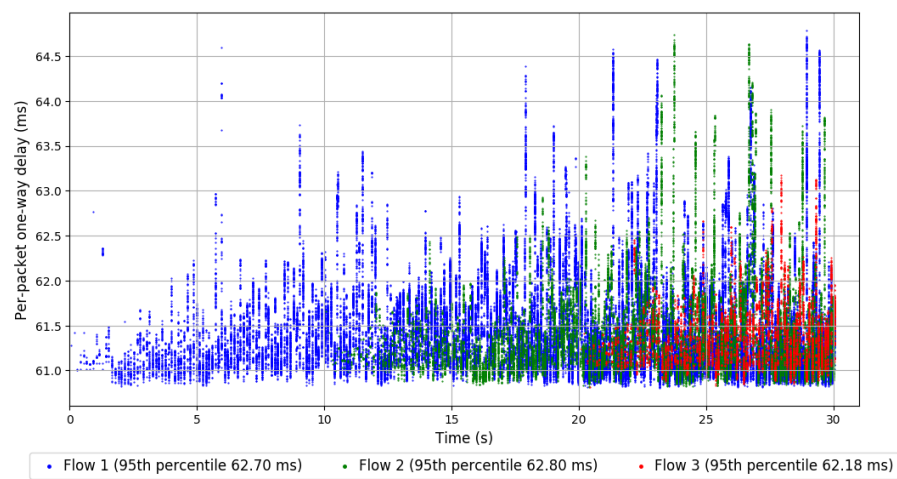
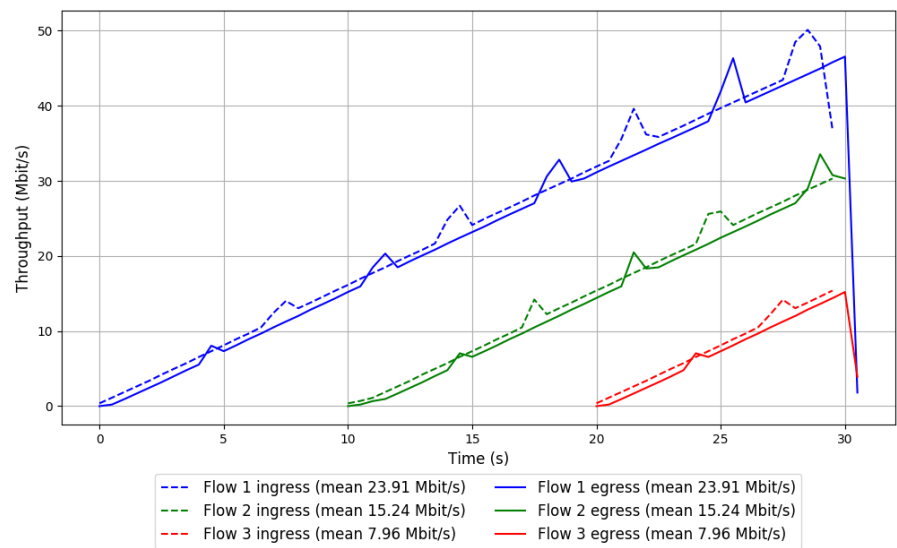


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 17:38:41
End at: 2018-07-25 17:39:11
Local clock offset: 0.037 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 62.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 62.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 62.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 62.179 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-25 18:02:55

End at: 2018-07-25 18:03:25

Local clock offset: 0.091 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-25 20:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 62.987 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.92 Mbit/s

95th percentile per-packet one-way delay: 63.089 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 62.875 ms

Loss rate: 0.00%

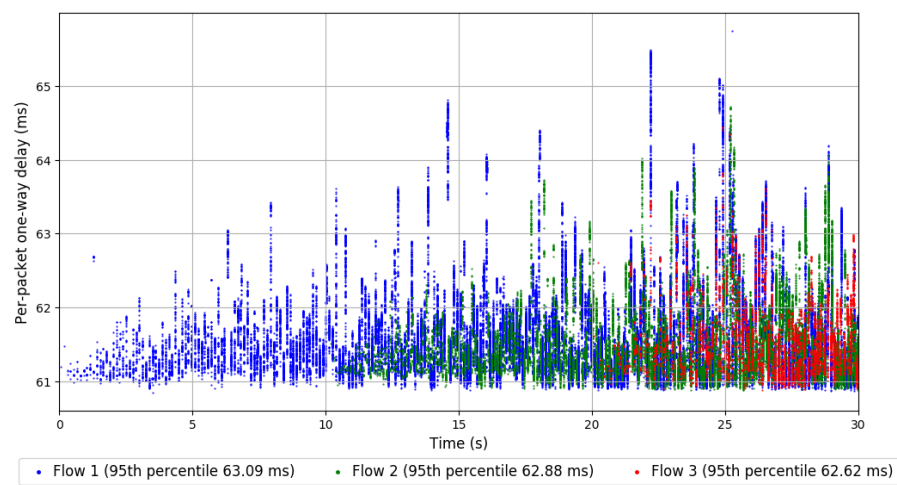
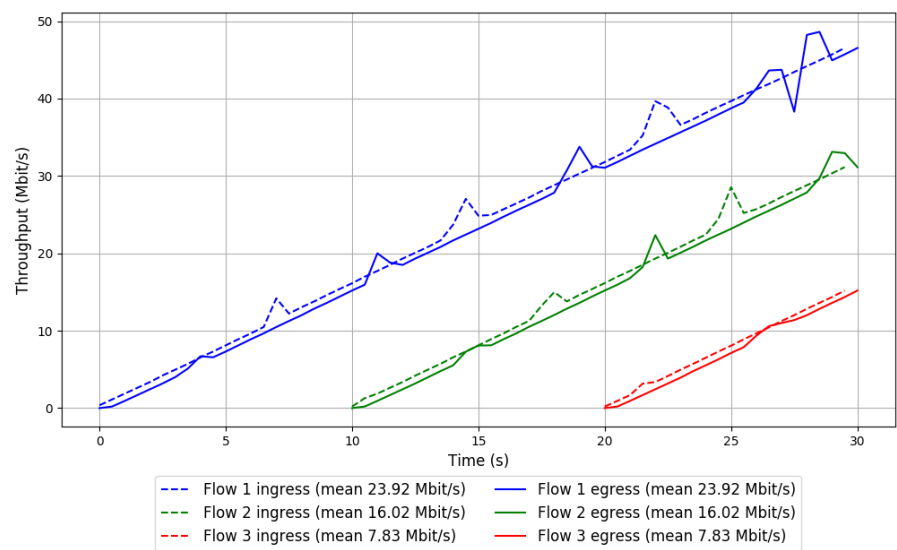
-- Flow 3:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 62.617 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

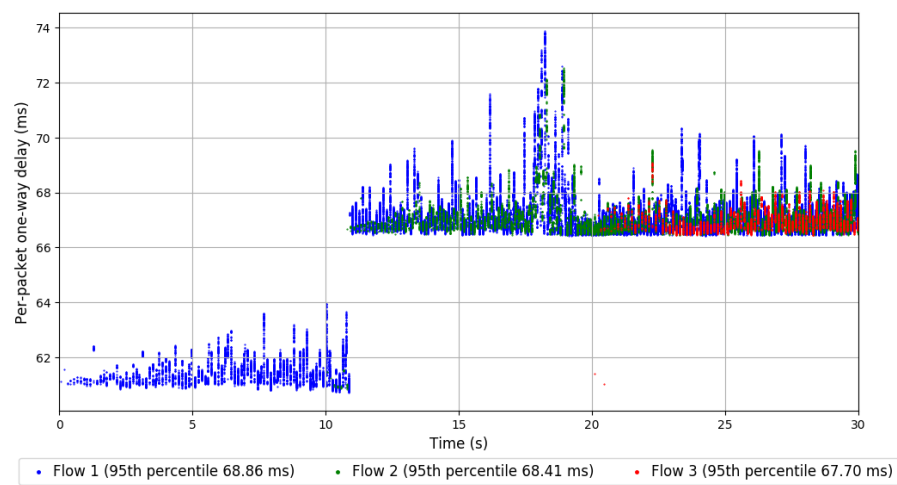
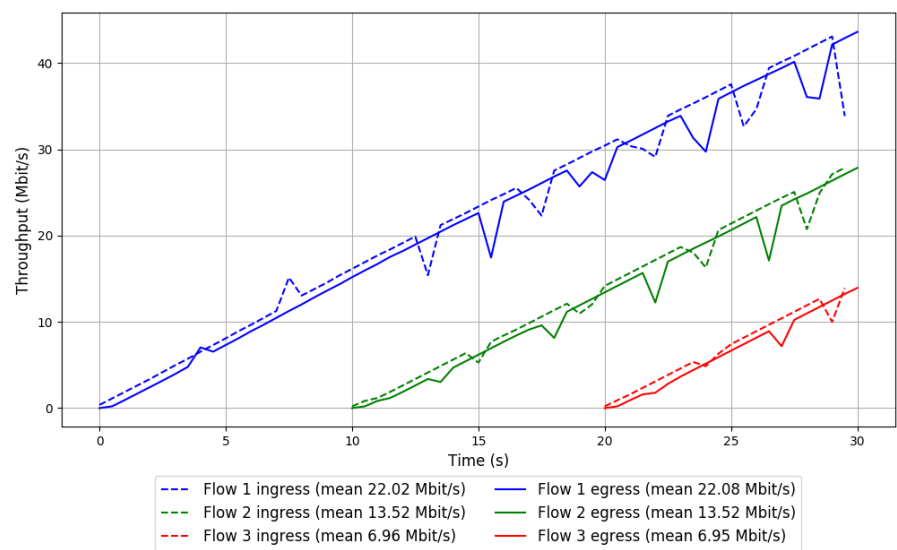


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 18:27:08
End at: 2018-07-25 18:27:38
Local clock offset: 0.131 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 68.621 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 68.865 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 68.413 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 67.705 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

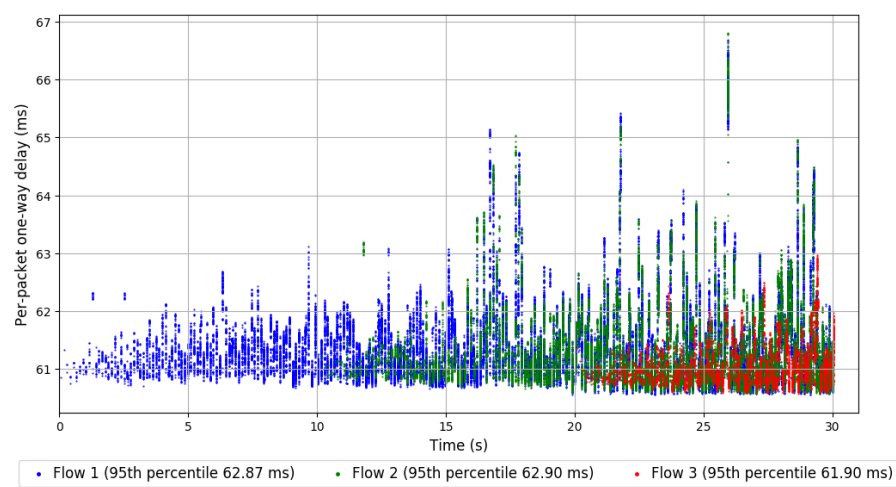
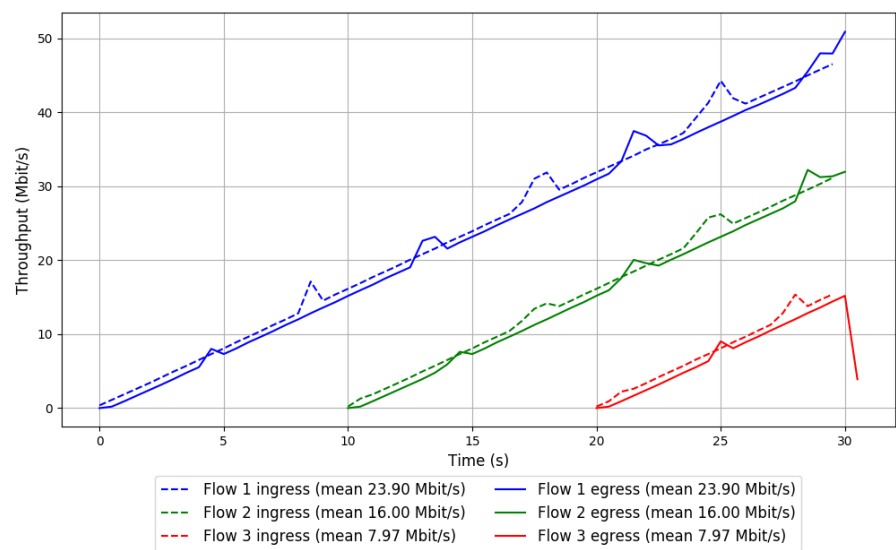


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 18:51:09
End at: 2018-07-25 18:51:39
Local clock offset: 0.162 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 62.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 62.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 61.901 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

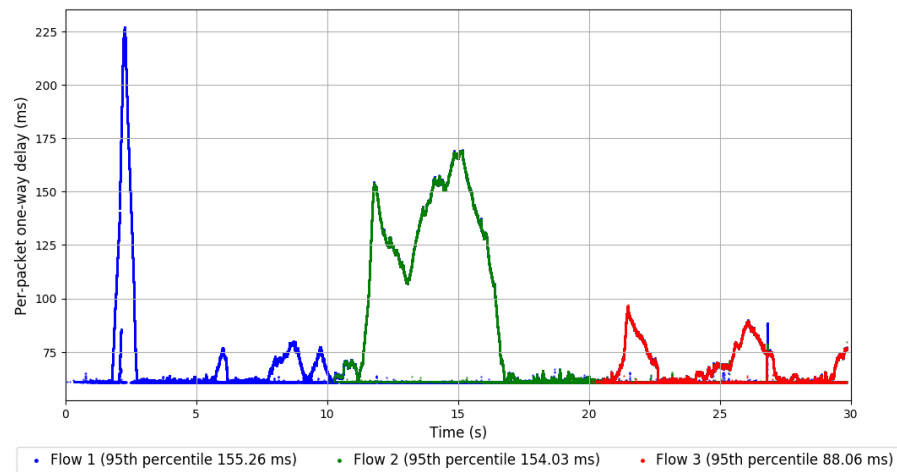
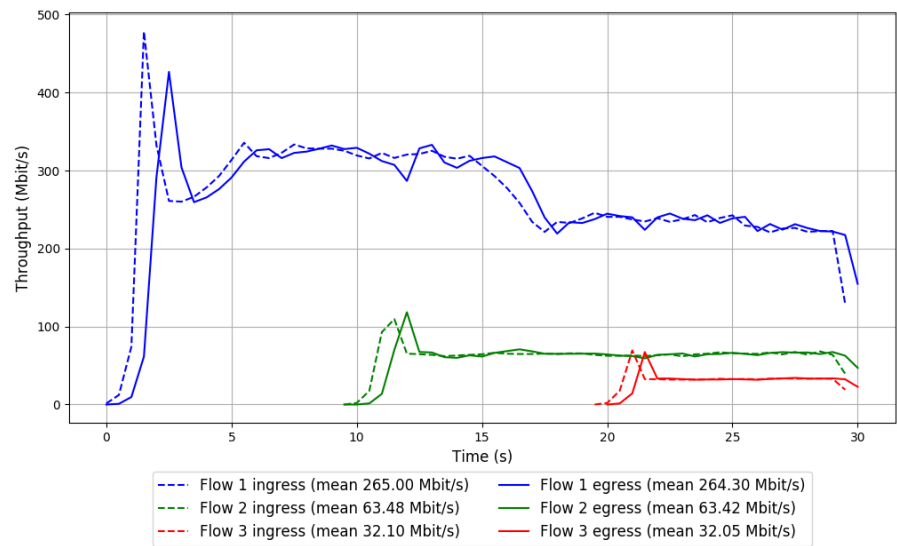


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 15:17:43
End at: 2018-07-25 15:18:13
Local clock offset: -0.124 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-07-25 20:51:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.13 Mbit/s
95th percentile per-packet one-way delay: 154.854 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 264.30 Mbit/s
95th percentile per-packet one-way delay: 155.259 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 154.029 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 88.061 ms
Loss rate: 0.16%
```

Run 1: Report of PCC-Allegro — Data Link

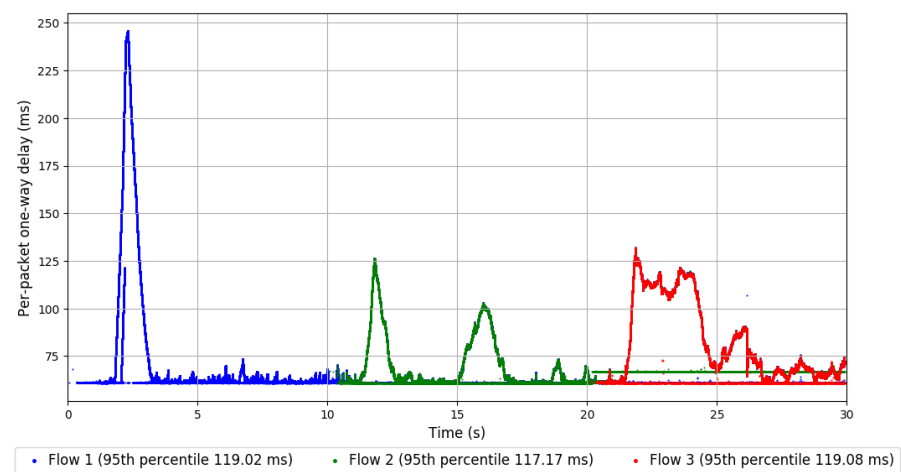
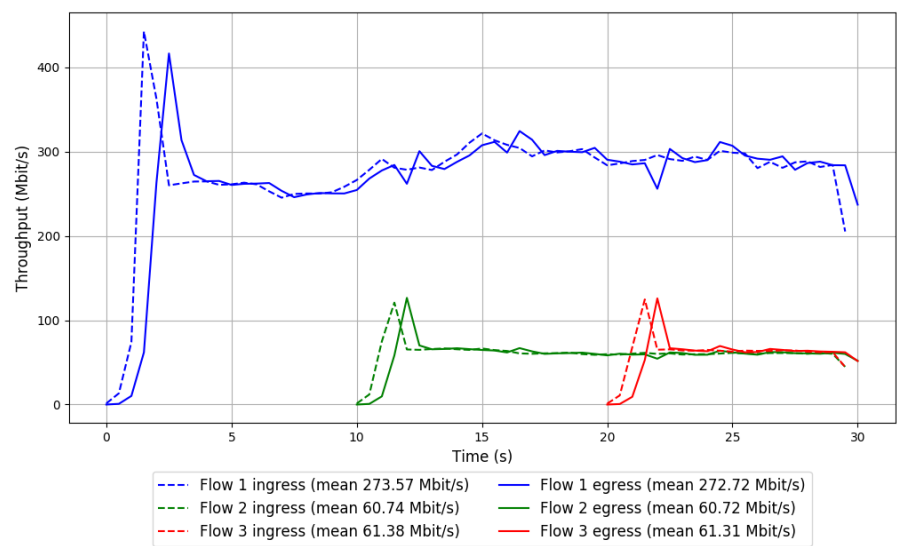


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 15:41:49
End at: 2018-07-25 15:42:19
Local clock offset: -0.059 ms
Remote clock offset: -0.088 ms

```
# Below is generated by plot.py at 2018-07-25 20:51:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.23 Mbit/s
95th percentile per-packet one-way delay: 118.657 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 272.72 Mbit/s
95th percentile per-packet one-way delay: 119.018 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 117.171 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 119.077 ms
Loss rate: 0.10%
```

Run 2: Report of PCC-Allegro — Data Link

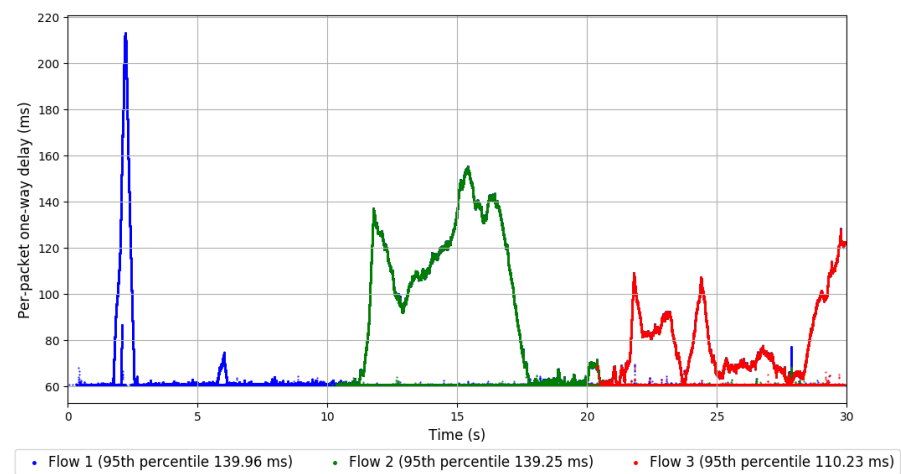
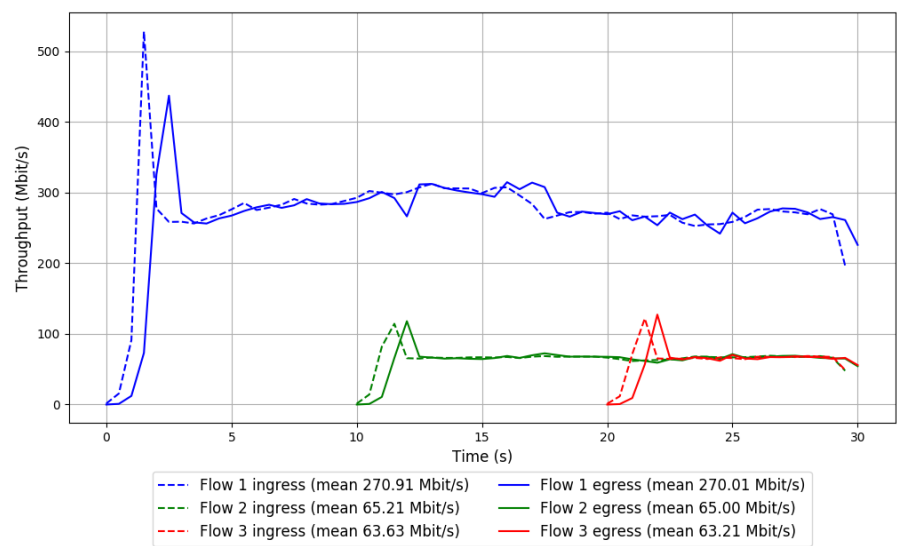


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 16:05:44
End at: 2018-07-25 16:06:14
Local clock offset: -0.007 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-25 20:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 139.164 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 270.01 Mbit/s
95th percentile per-packet one-way delay: 139.962 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 139.254 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 110.229 ms
Loss rate: 0.64%

Run 3: Report of PCC-Allegro — Data Link

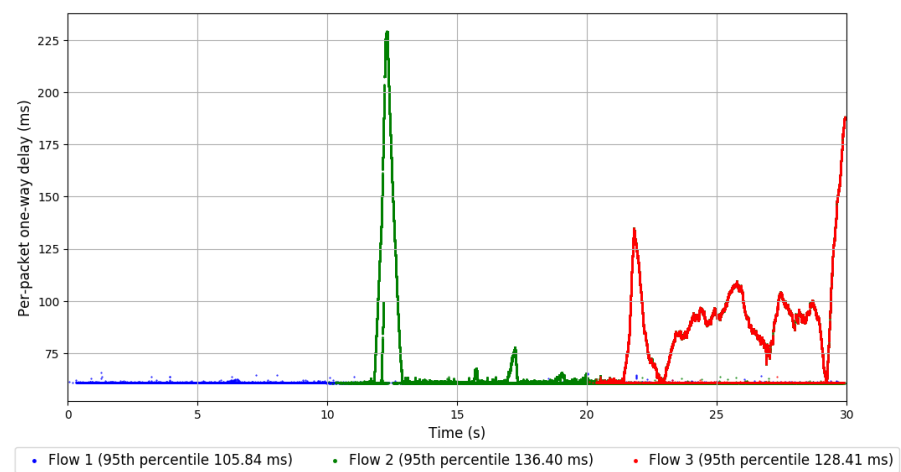
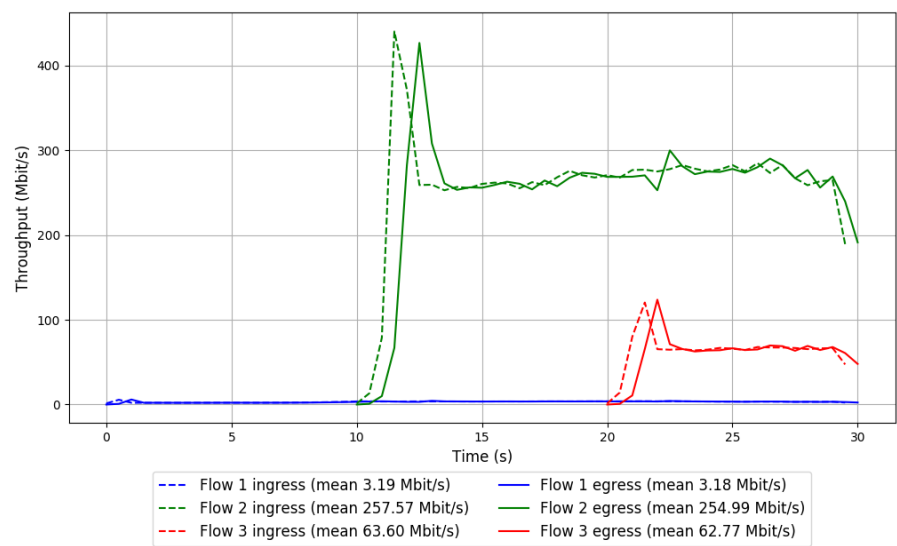


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 16:29:39
End at: 2018-07-25 16:30:09
Local clock offset: -0.112 ms
Remote clock offset: -0.069 ms

```
# Below is generated by plot.py at 2018-07-25 20:51:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.42 Mbit/s
95th percentile per-packet one-way delay: 133.948 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 105.838 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 254.99 Mbit/s
95th percentile per-packet one-way delay: 136.396 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 128.412 ms
Loss rate: 1.30%
```

Run 4: Report of PCC-Allegro — Data Link

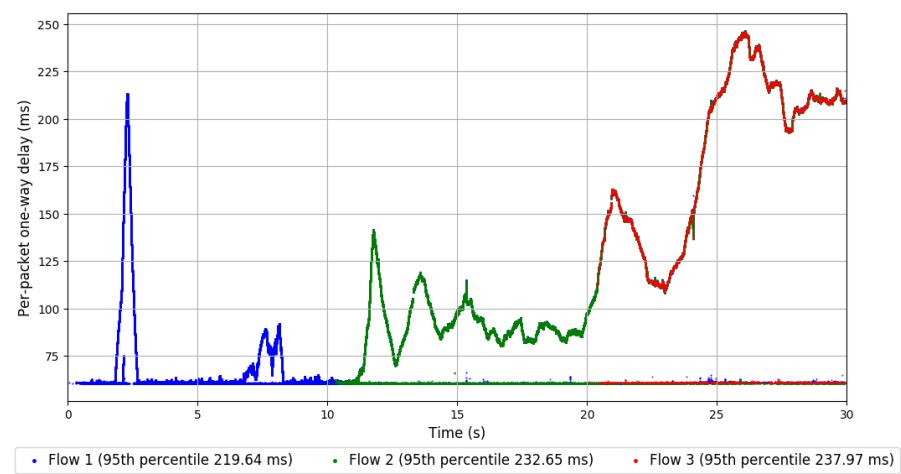
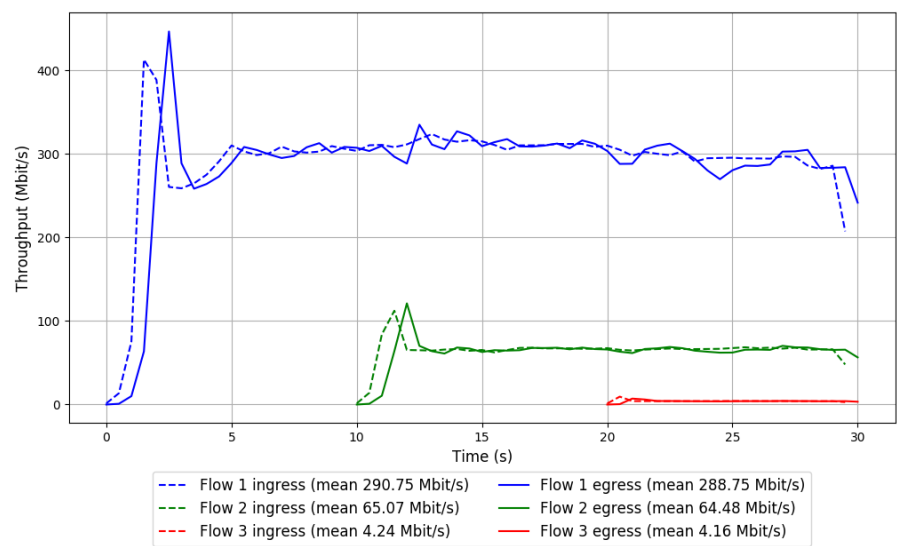


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 16:53:45
End at: 2018-07-25 16:54:15
Local clock offset: -0.133 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-07-25 20:52:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.94 Mbit/s
95th percentile per-packet one-way delay: 222.558 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 288.75 Mbit/s
95th percentile per-packet one-way delay: 219.639 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 232.647 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 237.972 ms
Loss rate: 1.70%

Run 5: Report of PCC-Allegro — Data Link

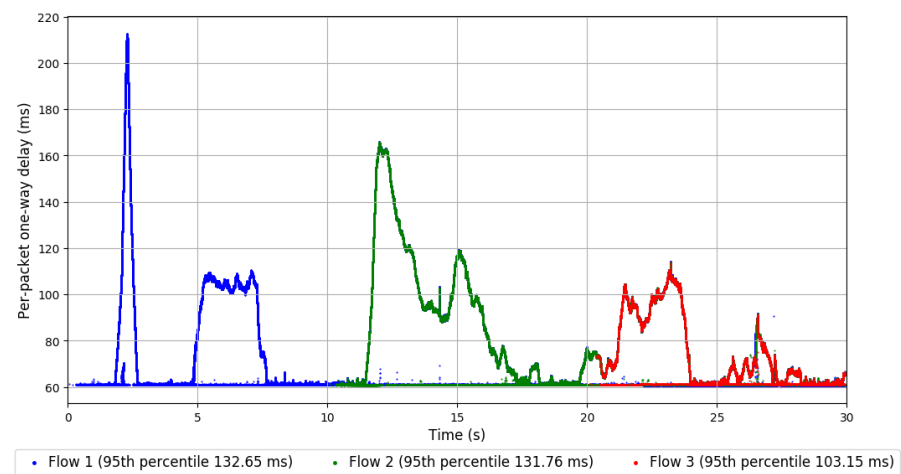
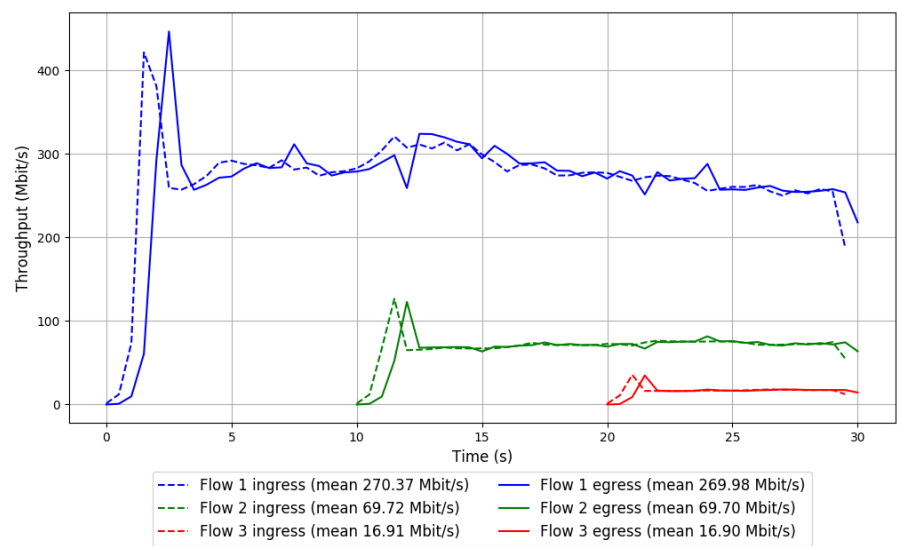


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 17:17:57
End at: 2018-07-25 17:18:27
Local clock offset: -0.014 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 20:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.88 Mbit/s
95th percentile per-packet one-way delay: 132.217 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 269.98 Mbit/s
95th percentile per-packet one-way delay: 132.651 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 131.762 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.90 Mbit/s
95th percentile per-packet one-way delay: 103.154 ms
Loss rate: 0.04%

Run 6: Report of PCC-Allegro — Data Link

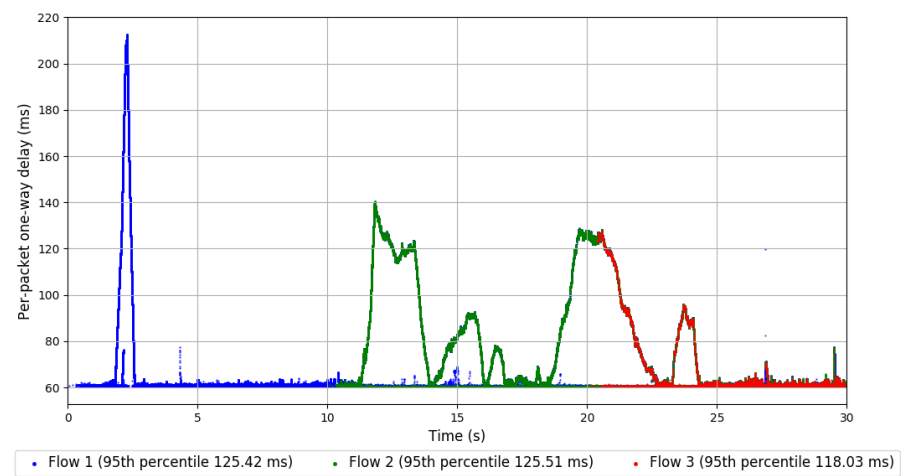
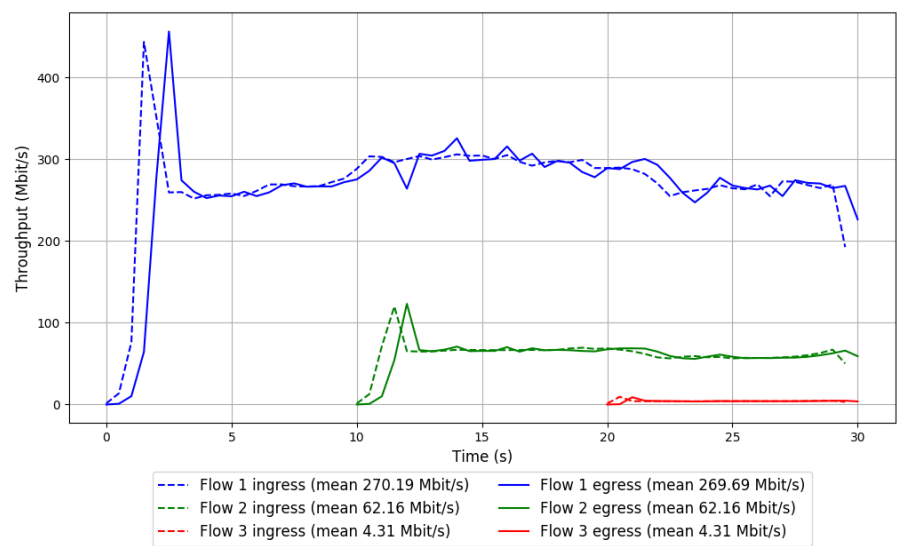


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 17:42:19
End at: 2018-07-25 17:42:49
Local clock offset: 0.05 ms
Remote clock offset: -0.102 ms

```
# Below is generated by plot.py at 2018-07-25 20:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.43 Mbit/s
95th percentile per-packet one-way delay: 125.419 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 269.69 Mbit/s
95th percentile per-packet one-way delay: 125.422 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 125.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 118.027 ms
Loss rate: 0.00%
```


Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 18:06:36

End at: 2018-07-25 18:07:06

Local clock offset: 0.079 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-07-25 20:54:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.14 Mbit/s

95th percentile per-packet one-way delay: 126.416 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 256.77 Mbit/s

95th percentile per-packet one-way delay: 126.947 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 65.36 Mbit/s

95th percentile per-packet one-way delay: 122.988 ms

Loss rate: 0.16%

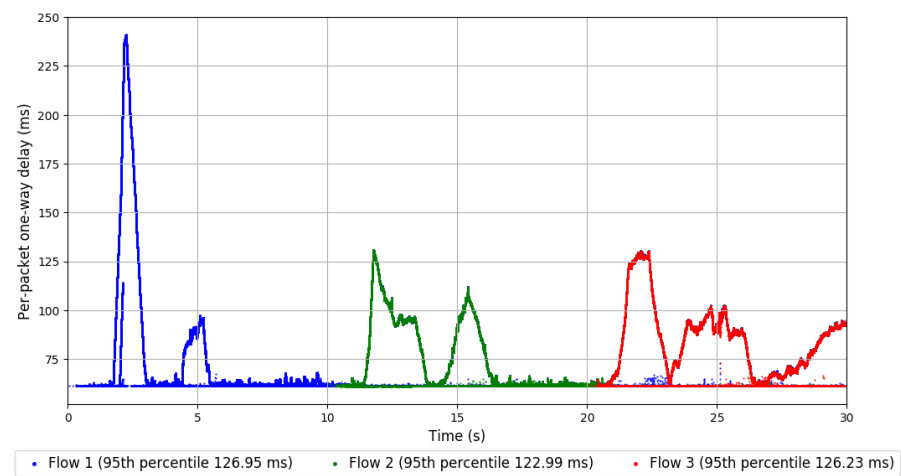
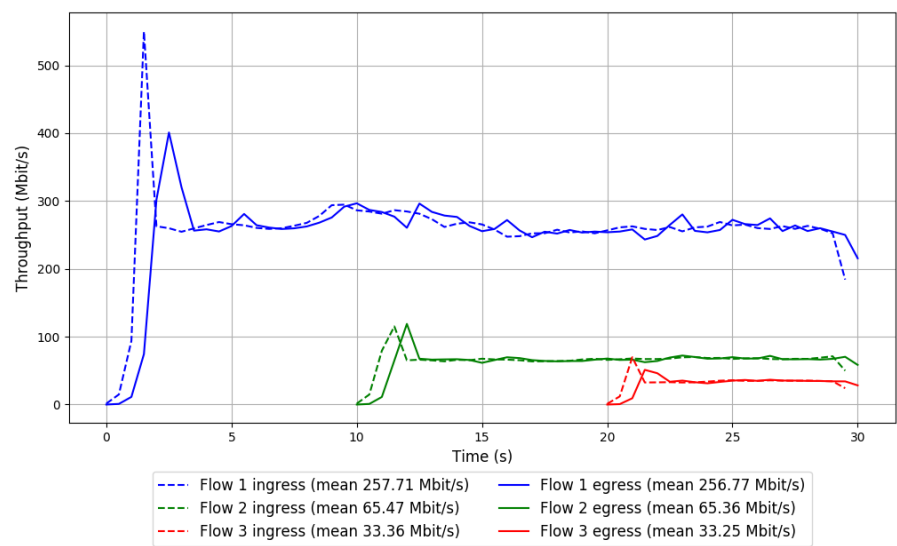
-- Flow 3:

Average throughput: 33.25 Mbit/s

95th percentile per-packet one-way delay: 126.232 ms

Loss rate: 0.30%

Run 8: Report of PCC-Allegro — Data Link

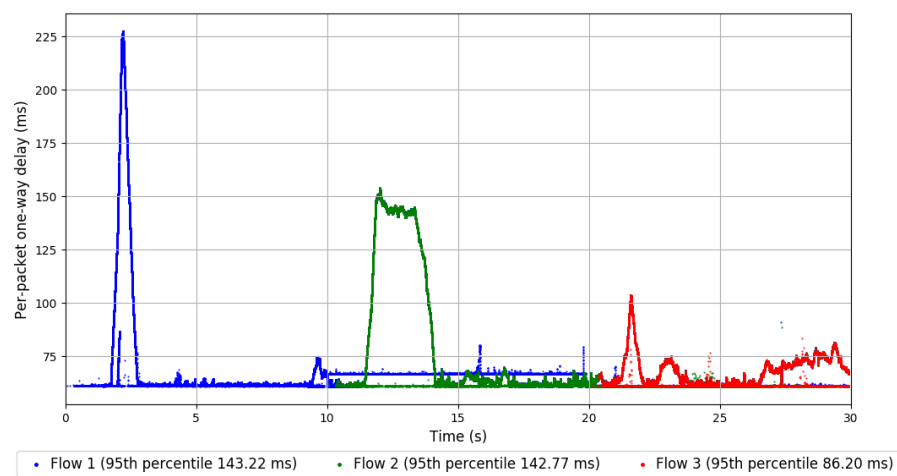
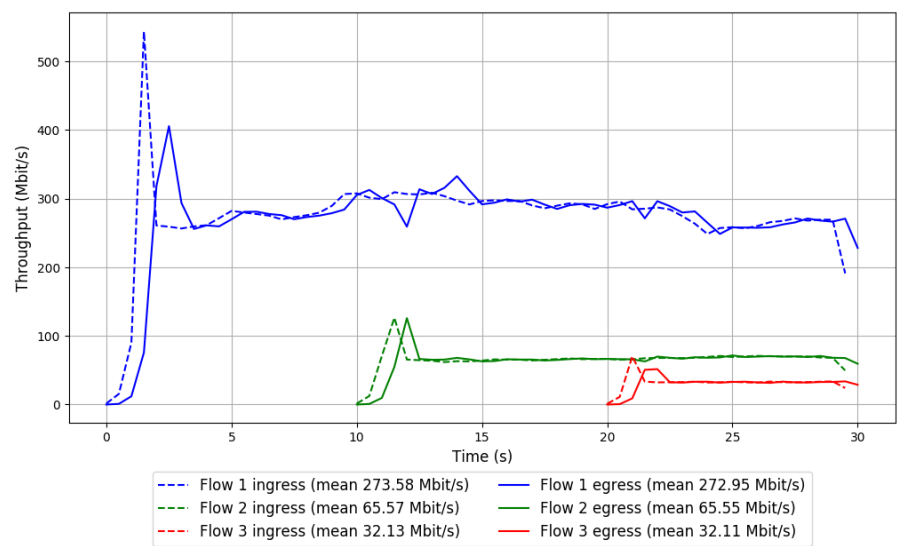


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 18:30:49
End at: 2018-07-25 18:31:19
Local clock offset: 0.125 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-25 20:55:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.10 Mbit/s
95th percentile per-packet one-way delay: 142.991 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 272.95 Mbit/s
95th percentile per-packet one-way delay: 143.224 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 142.770 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 86.199 ms
Loss rate: 0.05%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 18:54:52

End at: 2018-07-25 18:55:22

Local clock offset: 0.127 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-25 20:56:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.99 Mbit/s

95th percentile per-packet one-way delay: 223.421 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 282.07 Mbit/s

95th percentile per-packet one-way delay: 223.032 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 225.498 ms

Loss rate: 0.98%

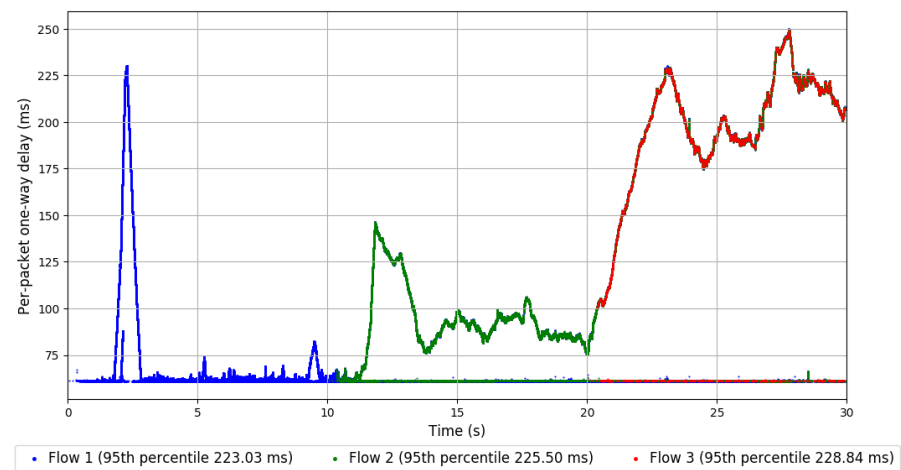
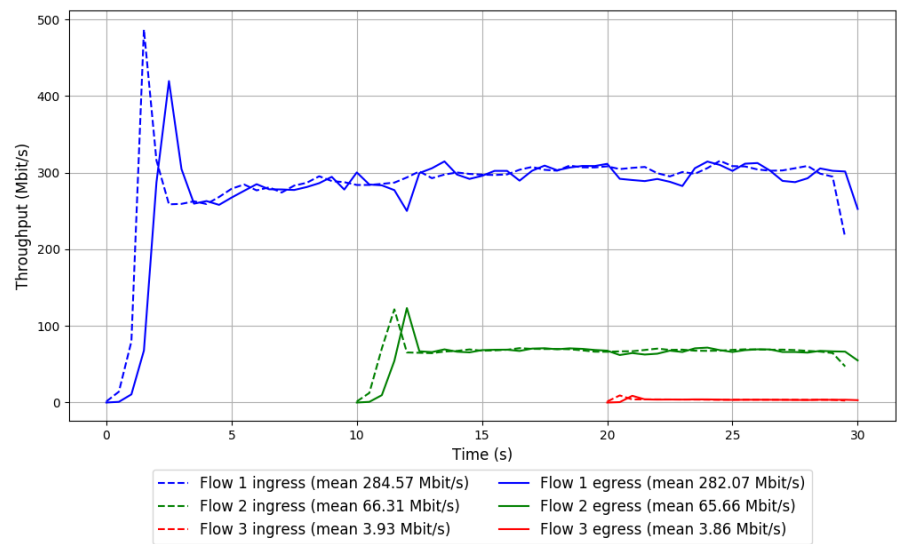
-- Flow 3:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 228.842 ms

Loss rate: 1.83%

Run 10: Report of PCC-Allegro — Data Link

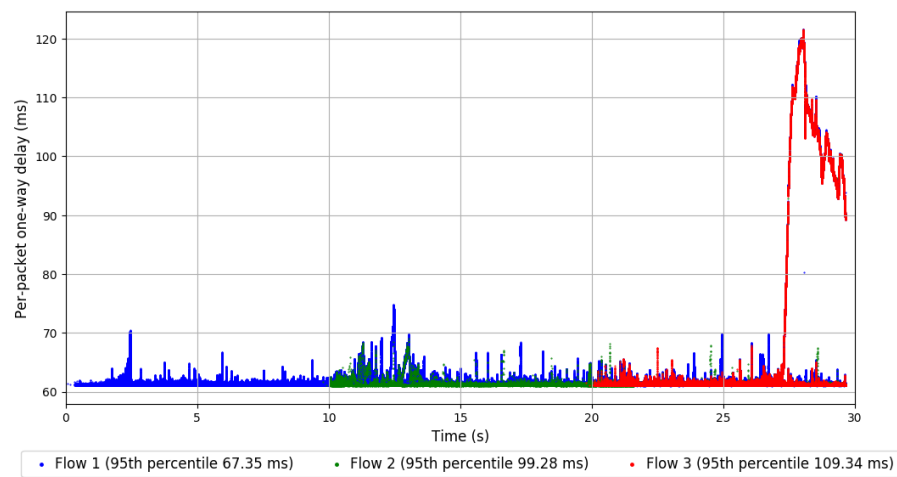
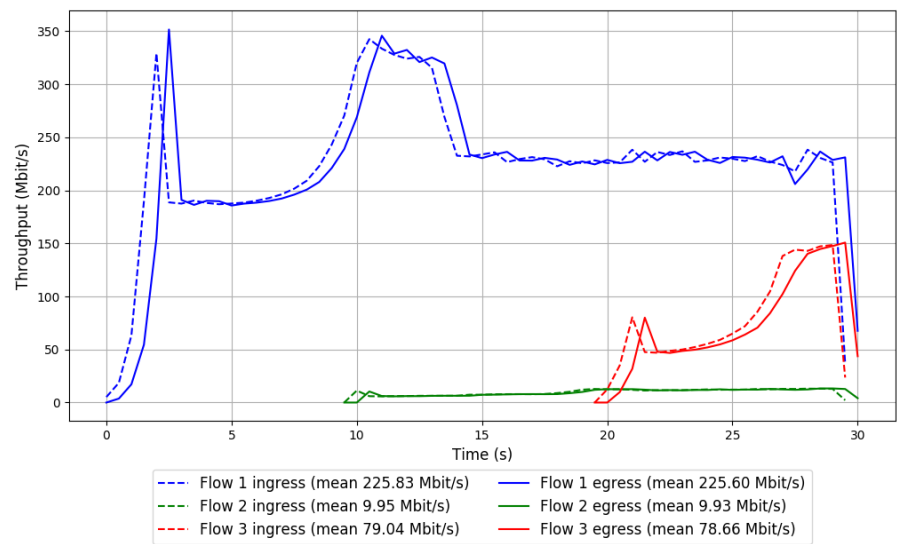


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 15:12:27
End at: 2018-07-25 15:12:57
Local clock offset: -0.122 ms
Remote clock offset: 0.21 ms

# Below is generated by plot.py at 2018-07-25 21:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.50 Mbit/s
95th percentile per-packet one-way delay: 95.563 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 225.60 Mbit/s
95th percentile per-packet one-way delay: 67.352 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 99.277 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 0.46%
```


Run 1: Report of PCC-Expr — Data Link

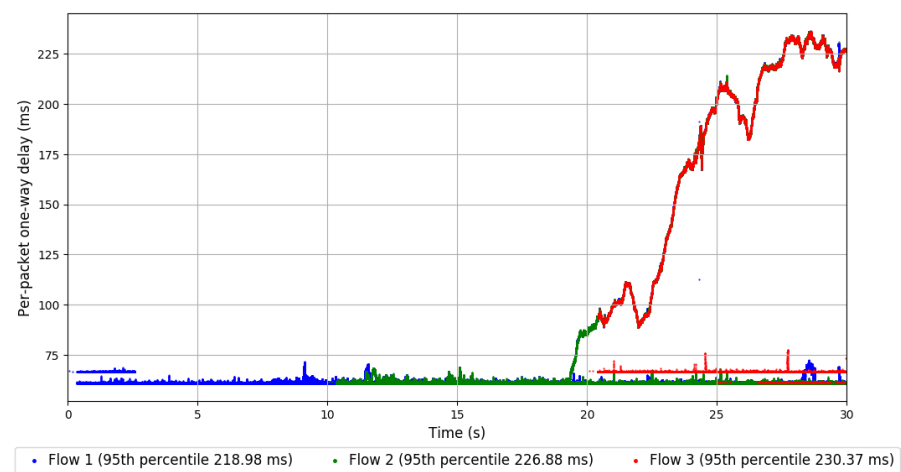
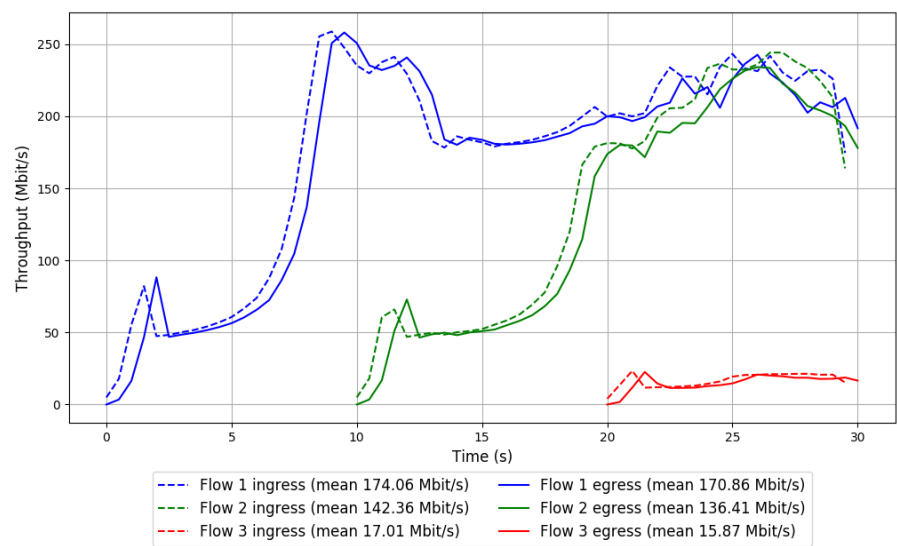


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 15:36:36
End at: 2018-07-25 15:37:06
Local clock offset: -0.052 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-25 21:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.78 Mbit/s
95th percentile per-packet one-way delay: 223.539 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 170.86 Mbit/s
95th percentile per-packet one-way delay: 218.982 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 136.41 Mbit/s
95th percentile per-packet one-way delay: 226.885 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 230.368 ms
Loss rate: 6.69%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 16:00:30

End at: 2018-07-25 16:01:00

Local clock offset: -0.043 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-25 21:01:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.02 Mbit/s

95th percentile per-packet one-way delay: 66.855 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 60.33 Mbit/s

95th percentile per-packet one-way delay: 66.871 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 187.10 Mbit/s

95th percentile per-packet one-way delay: 66.430 ms

Loss rate: 0.03%

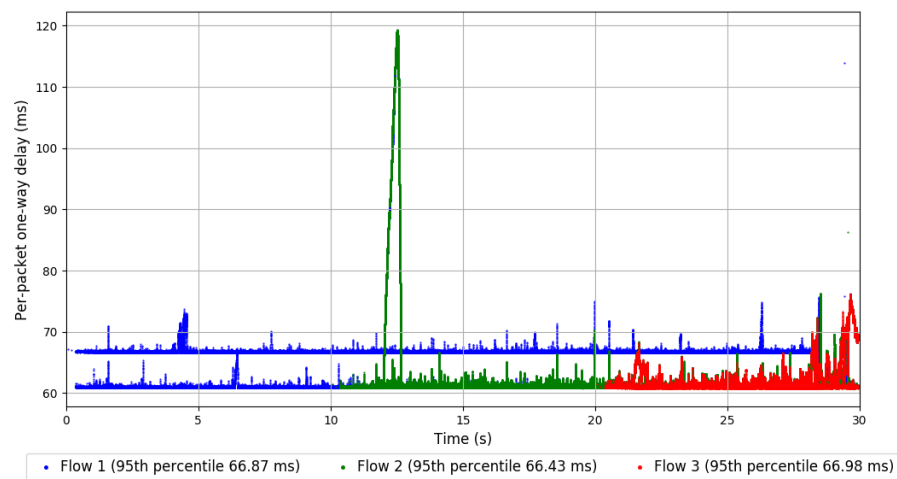
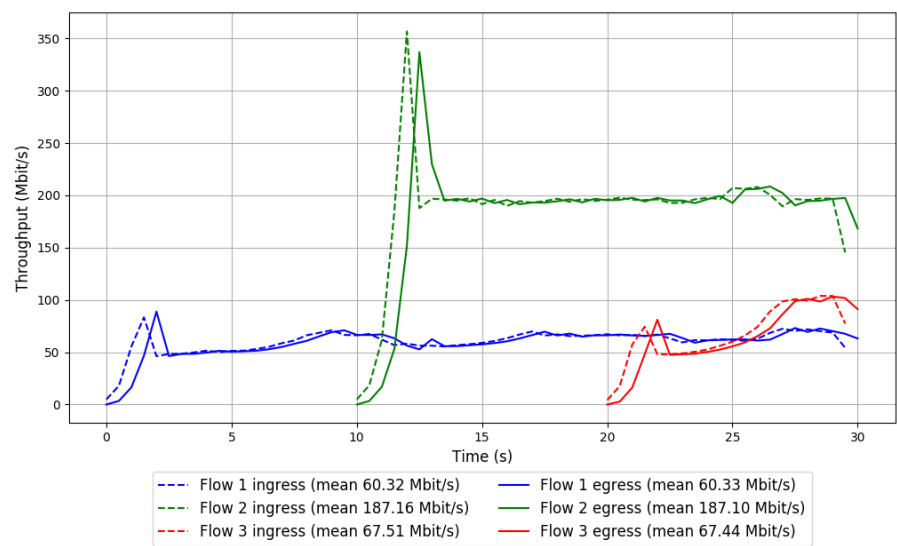
-- Flow 3:

Average throughput: 67.44 Mbit/s

95th percentile per-packet one-way delay: 66.984 ms

Loss rate: 0.10%

Run 3: Report of PCC-Expr — Data Link

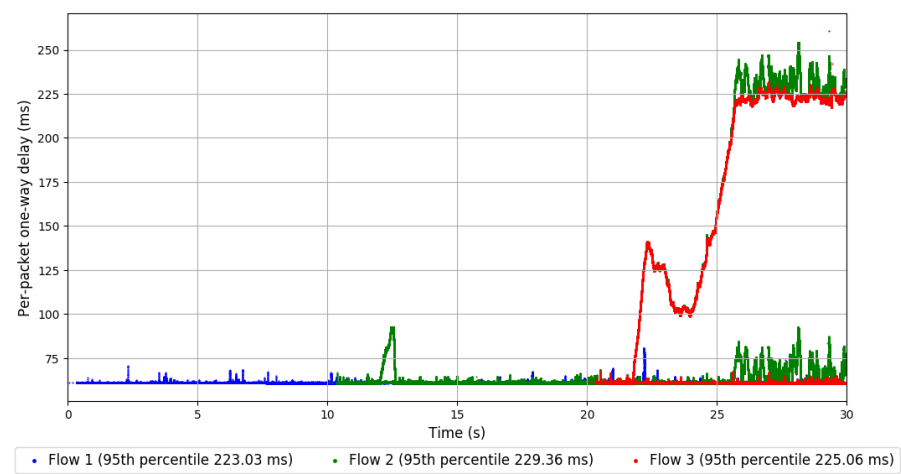
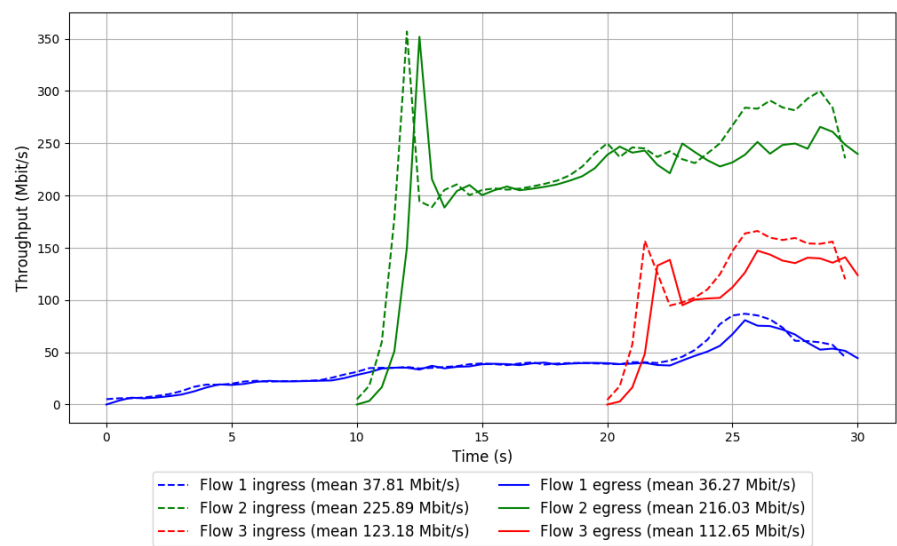


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 16:24:31
End at: 2018-07-25 16:25:01
Local clock offset: -0.032 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-25 21:01:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.10 Mbit/s
95th percentile per-packet one-way delay: 226.519 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 223.027 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 216.03 Mbit/s
95th percentile per-packet one-way delay: 229.360 ms
Loss rate: 4.36%
-- Flow 3:
Average throughput: 112.65 Mbit/s
95th percentile per-packet one-way delay: 225.060 ms
Loss rate: 8.53%

Run 4: Report of PCC-Expr — Data Link

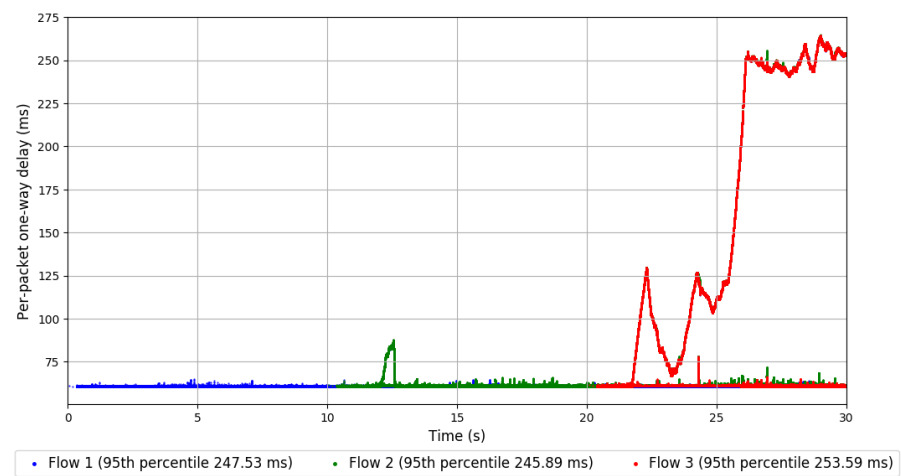
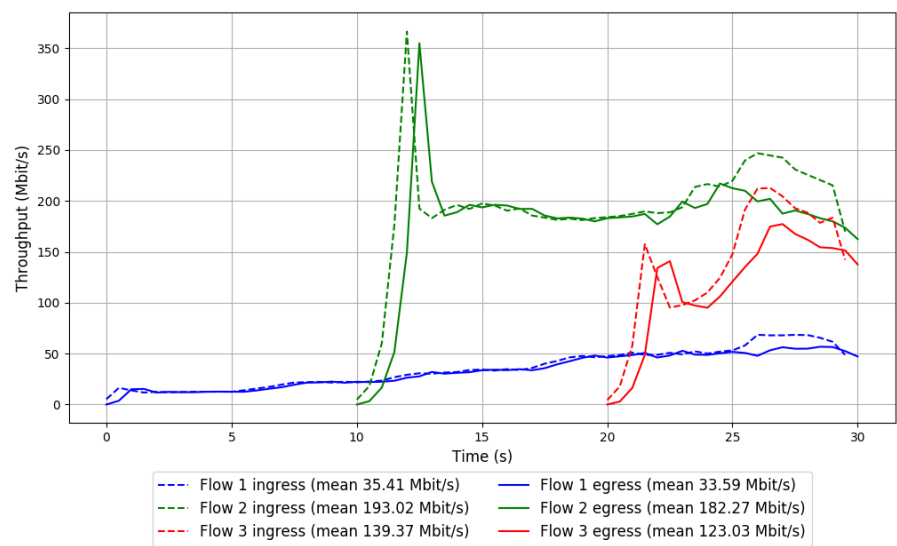


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 16:48:35
End at: 2018-07-25 16:49:05
Local clock offset: -0.14 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-25 21:01:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.37 Mbit/s
95th percentile per-packet one-way delay: 249.202 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 247.535 ms
Loss rate: 5.13%
-- Flow 2:
Average throughput: 182.27 Mbit/s
95th percentile per-packet one-way delay: 245.888 ms
Loss rate: 5.56%
-- Flow 3:
Average throughput: 123.03 Mbit/s
95th percentile per-packet one-way delay: 253.591 ms
Loss rate: 11.72%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 17:12:43

End at: 2018-07-25 17:13:13

Local clock offset: -0.015 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-25 21:03:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.76 Mbit/s

95th percentile per-packet one-way delay: 105.673 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 159.95 Mbit/s

95th percentile per-packet one-way delay: 104.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 106.00 Mbit/s

95th percentile per-packet one-way delay: 108.200 ms

Loss rate: 0.00%

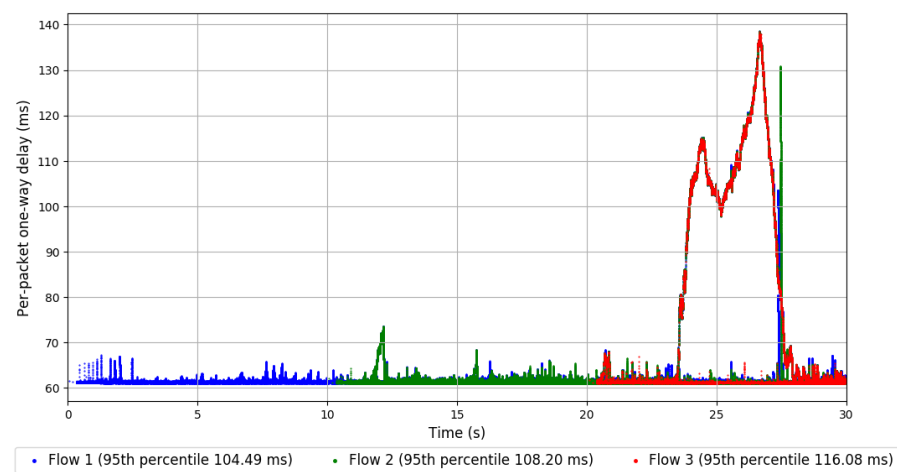
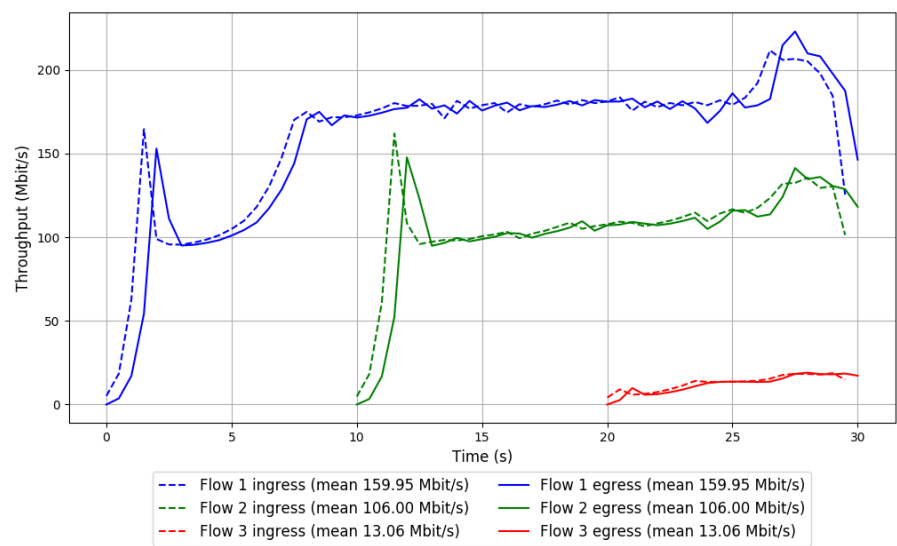
-- Flow 3:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 116.083 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 17:37:09

End at: 2018-07-25 17:37:39

Local clock offset: -0.01 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 21:05:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.32 Mbit/s

95th percentile per-packet one-way delay: 73.574 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.46 Mbit/s

95th percentile per-packet one-way delay: 72.235 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 53.93 Mbit/s

95th percentile per-packet one-way delay: 73.905 ms

Loss rate: 0.03%

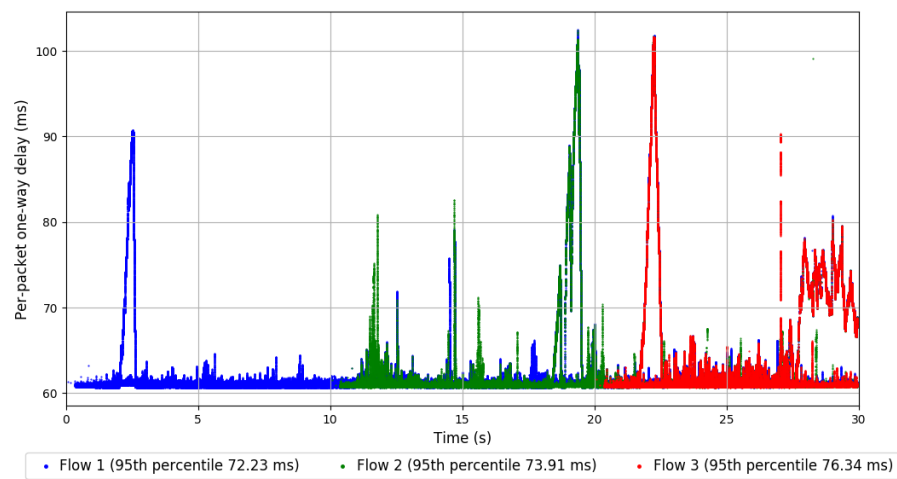
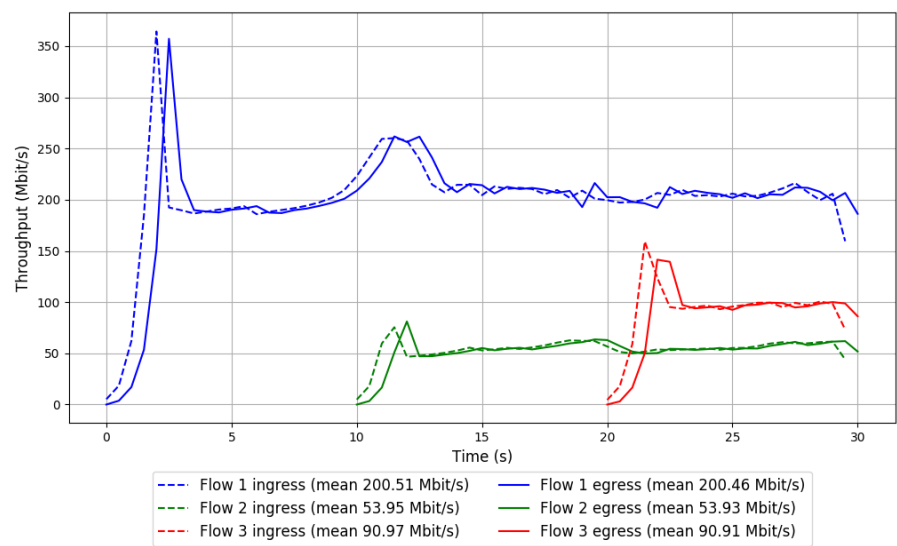
-- Flow 3:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 76.342 ms

Loss rate: 0.05%

Run 7: Report of PCC-Expr — Data Link

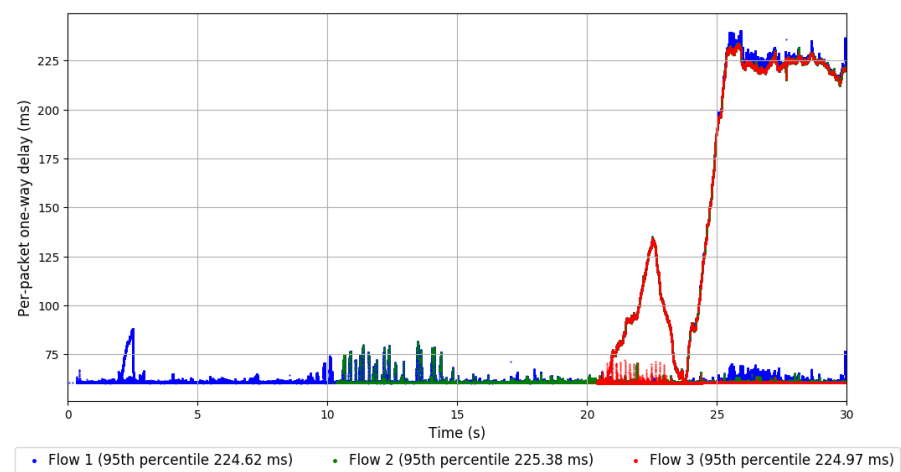
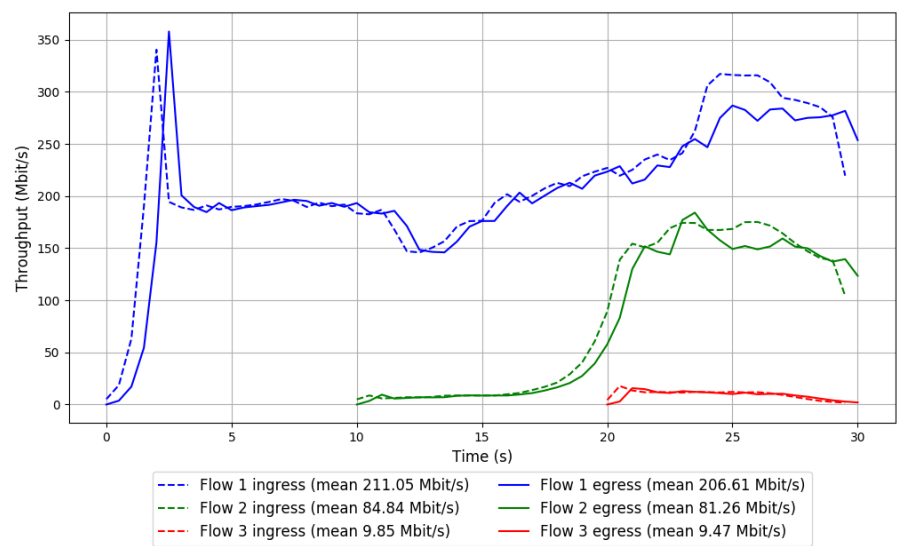


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 18:01:25
End at: 2018-07-25 18:01:55
Local clock offset: 0.076 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-07-25 21:07:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.79 Mbit/s
95th percentile per-packet one-way delay: 224.838 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 206.61 Mbit/s
95th percentile per-packet one-way delay: 224.620 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 81.26 Mbit/s
95th percentile per-packet one-way delay: 225.380 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 224.966 ms
Loss rate: 3.89%

Run 8: Report of PCC-Expr — Data Link

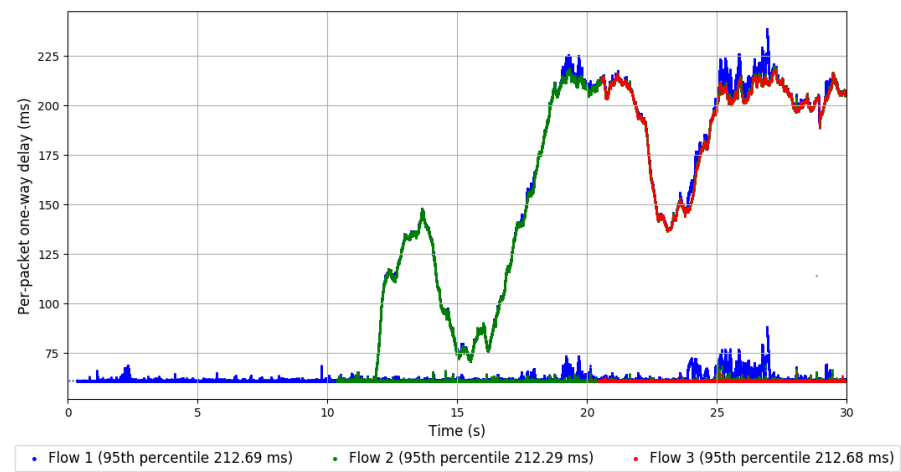
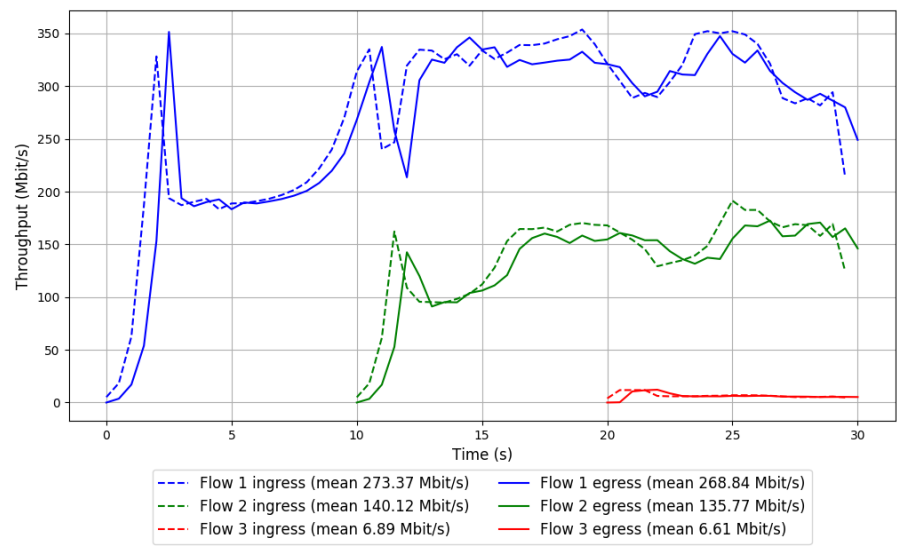


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 18:25:33
End at: 2018-07-25 18:26:03
Local clock offset: 0.105 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.31 Mbit/s
95th percentile per-packet one-way delay: 212.520 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 268.84 Mbit/s
95th percentile per-packet one-way delay: 212.685 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 135.77 Mbit/s
95th percentile per-packet one-way delay: 212.290 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 212.679 ms
Loss rate: 3.97%

Run 9: Report of PCC-Expr — Data Link

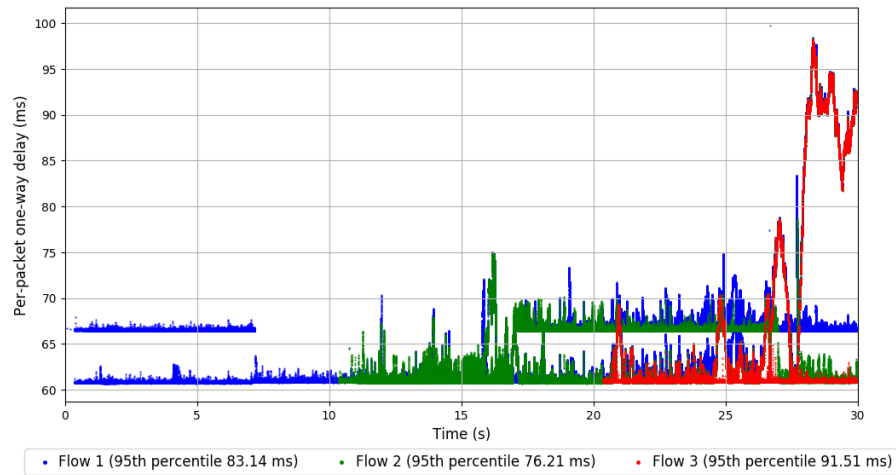
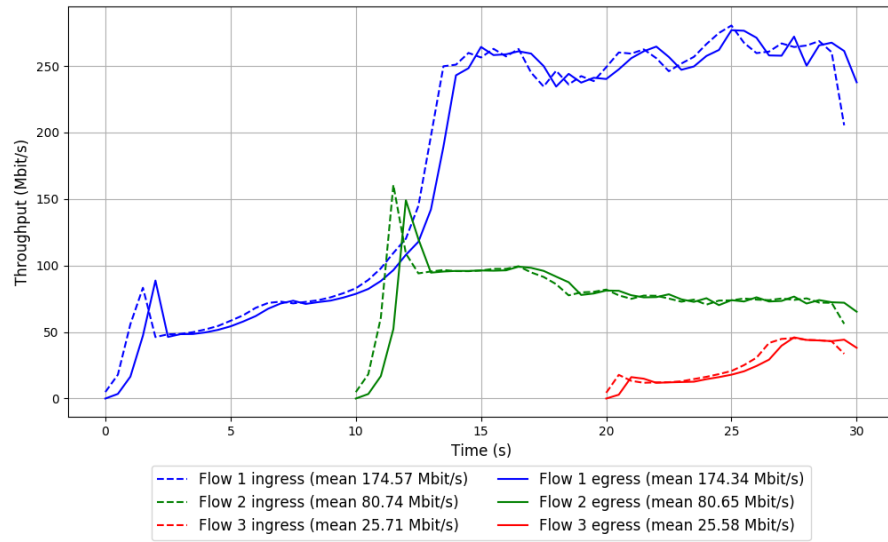


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 18:49:42
End at: 2018-07-25 18:50:12
Local clock offset: 0.16 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.42 Mbit/s
95th percentile per-packet one-way delay: 84.682 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 174.34 Mbit/s
95th percentile per-packet one-way delay: 83.135 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 76.209 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 91.513 ms
Loss rate: 0.50%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 15:19:05

End at: 2018-07-25 15:19:35

Local clock offset: -0.095 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 60.978 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 60.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 61.448 ms

Loss rate: 0.00%

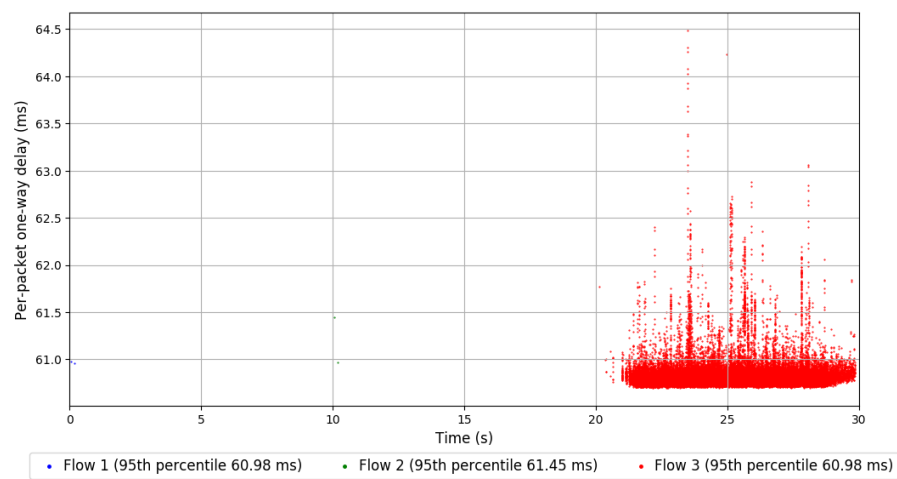
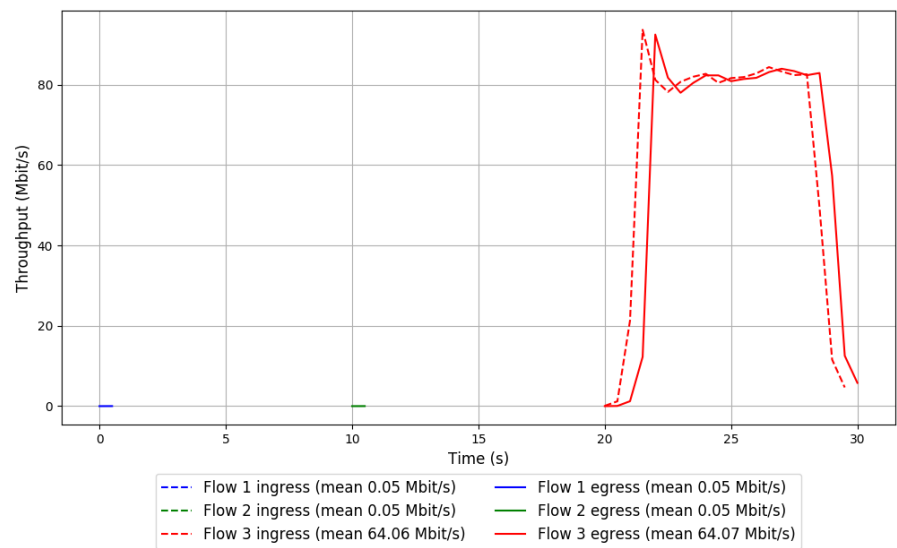
-- Flow 3:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 60.978 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

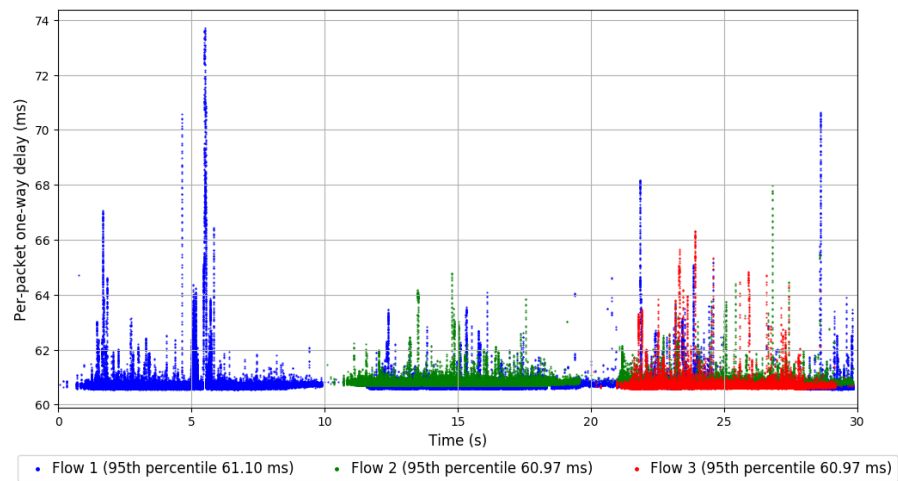
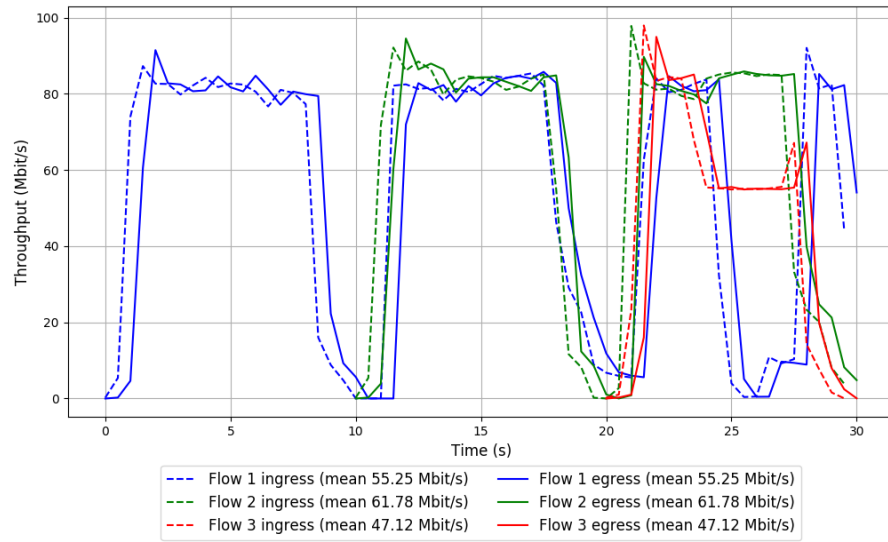


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 15:43:11
End at: 2018-07-25 15:43:41
Local clock offset: -0.027 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.67 Mbit/s
95th percentile per-packet one-way delay: 61.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 61.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 60.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 16:07:06

End at: 2018-07-25 16:07:36

Local clock offset: -0.062 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 61.169 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 64.58 Mbit/s

95th percentile per-packet one-way delay: 61.100 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 61.237 ms

Loss rate: 0.04%

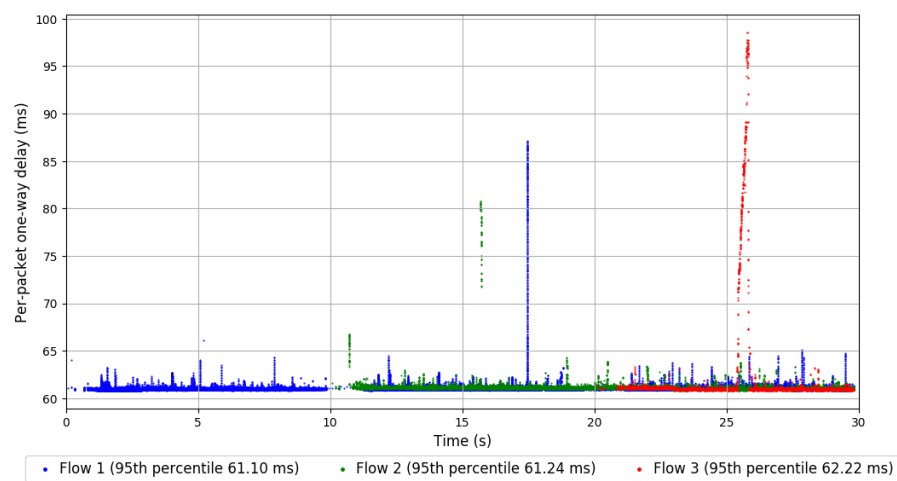
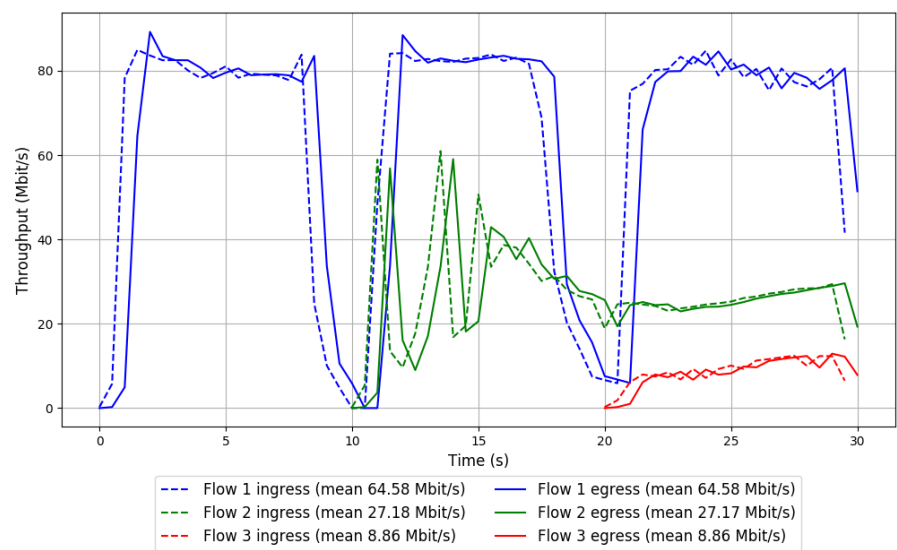
-- Flow 3:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 62.216 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

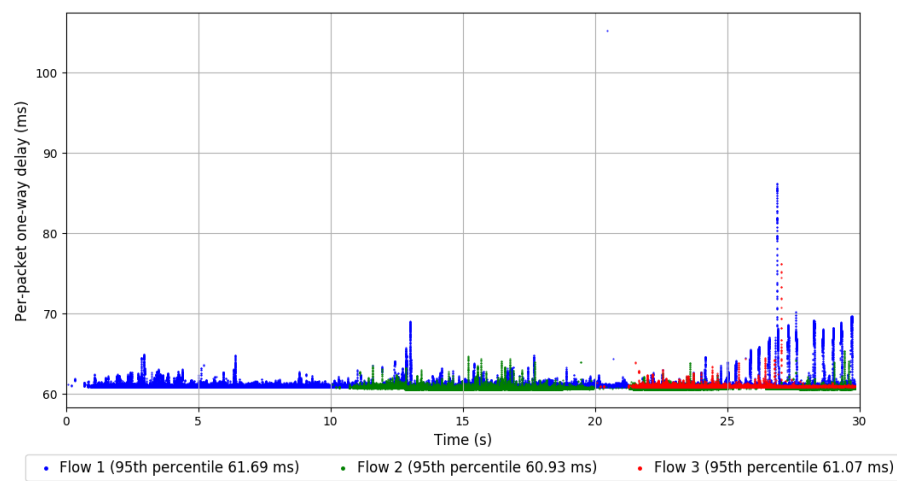
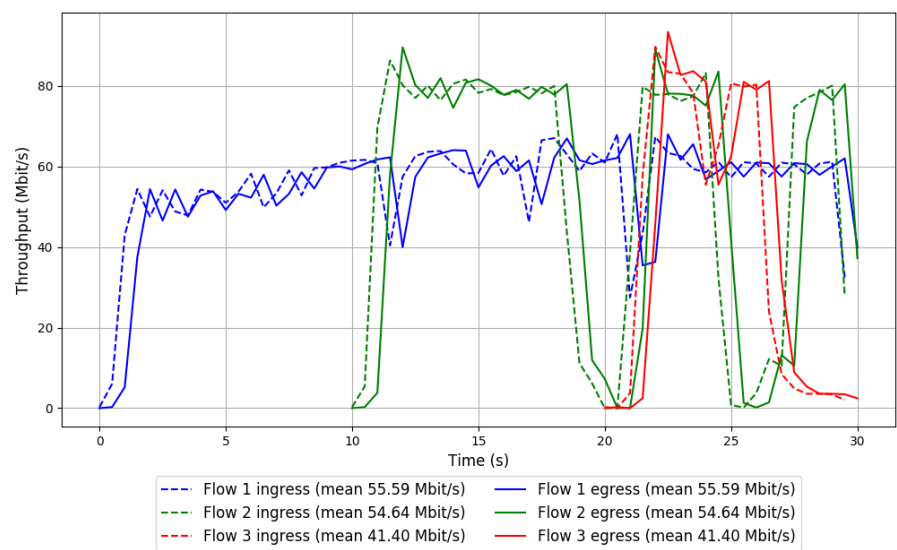


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 16:30:56
End at: 2018-07-25 16:31:26
Local clock offset: -0.049 ms
Remote clock offset: -0.041 ms

```
# Below is generated by plot.py at 2018-07-25 21:14:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.43 Mbit/s
95th percentile per-packet one-way delay: 61.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 60.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

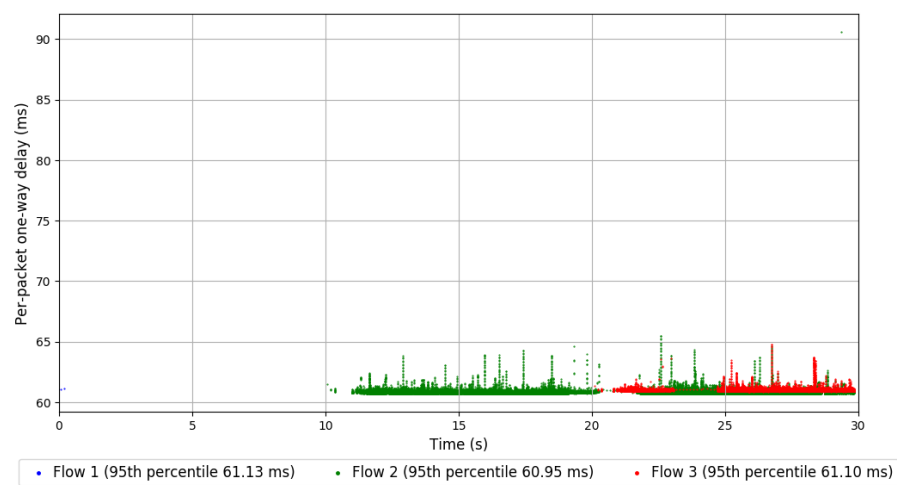
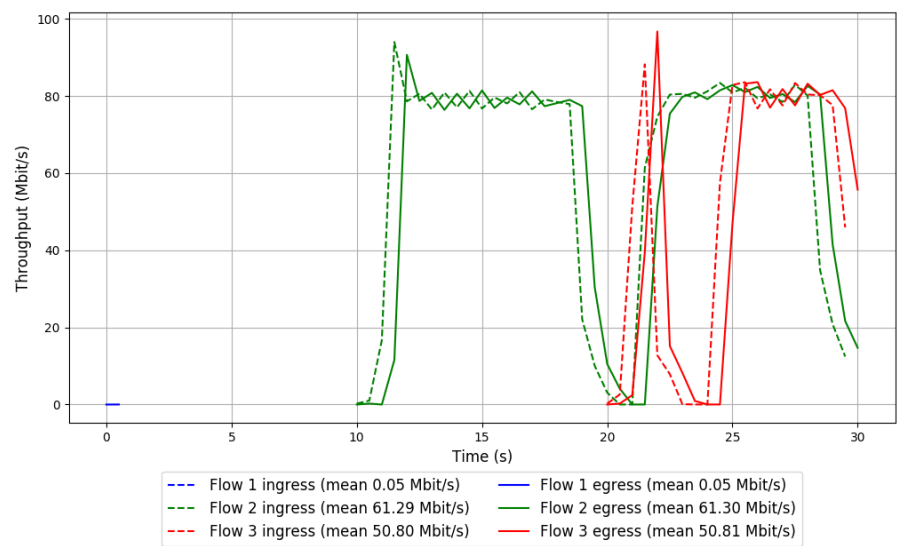


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 16:55:07
End at: 2018-07-25 16:55:37
Local clock offset: -0.098 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 61.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 60.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.81 Mbit/s
95th percentile per-packet one-way delay: 61.100 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 17:19:18

End at: 2018-07-25 17:19:48

Local clock offset: 0.009 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.49 Mbit/s

95th percentile per-packet one-way delay: 61.145 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.76 Mbit/s

95th percentile per-packet one-way delay: 61.168 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.66 Mbit/s

95th percentile per-packet one-way delay: 61.023 ms

Loss rate: 0.00%

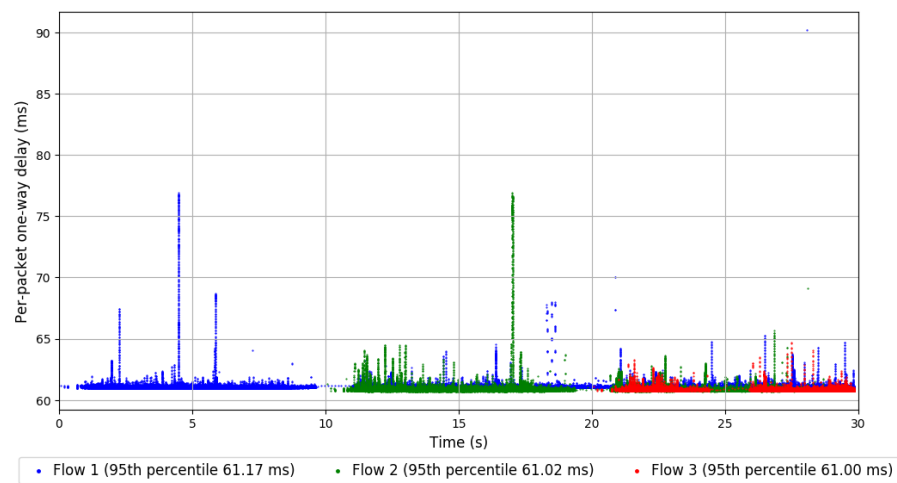
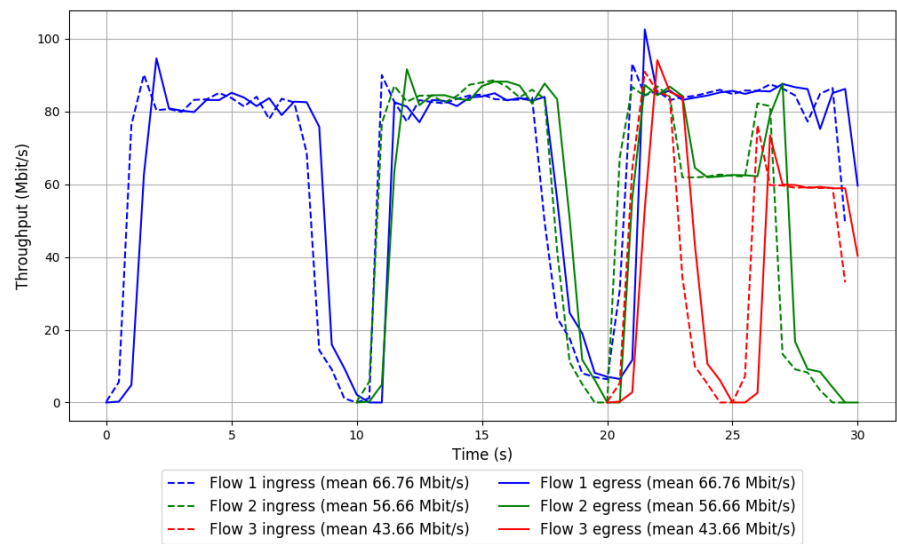
-- Flow 3:

Average throughput: 43.66 Mbit/s

95th percentile per-packet one-way delay: 60.997 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 17:43:40

End at: 2018-07-25 17:44:10

Local clock offset: 0.053 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.99 Mbit/s

95th percentile per-packet one-way delay: 61.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 61.168 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 61.147 ms

Loss rate: 0.00%

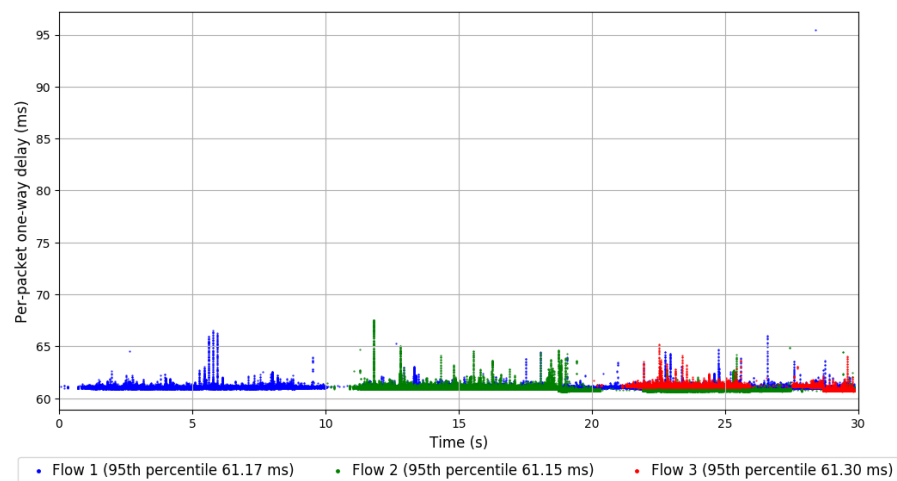
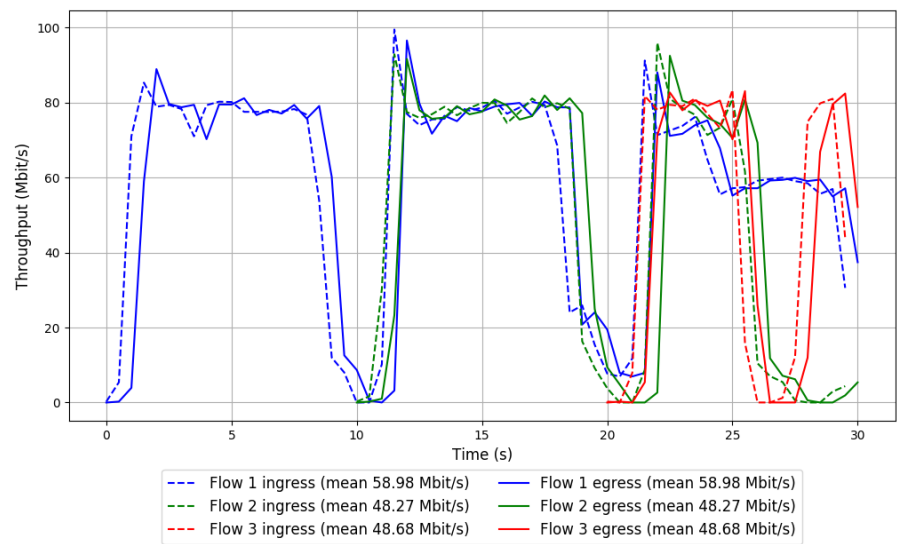
-- Flow 3:

Average throughput: 48.68 Mbit/s

95th percentile per-packet one-way delay: 61.302 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 18:07:57

End at: 2018-07-25 18:08:27

Local clock offset: 0.091 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.86 Mbit/s

95th percentile per-packet one-way delay: 61.217 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 61.023 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 61.396 ms

Loss rate: 0.00%

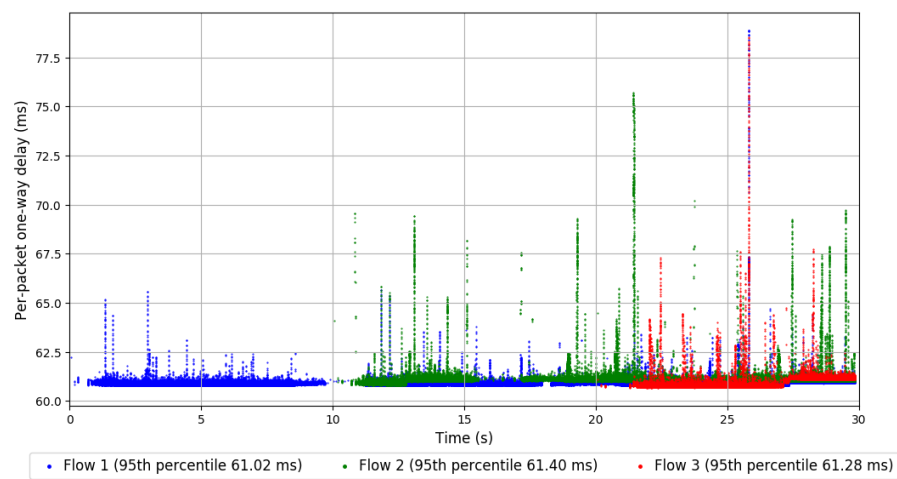
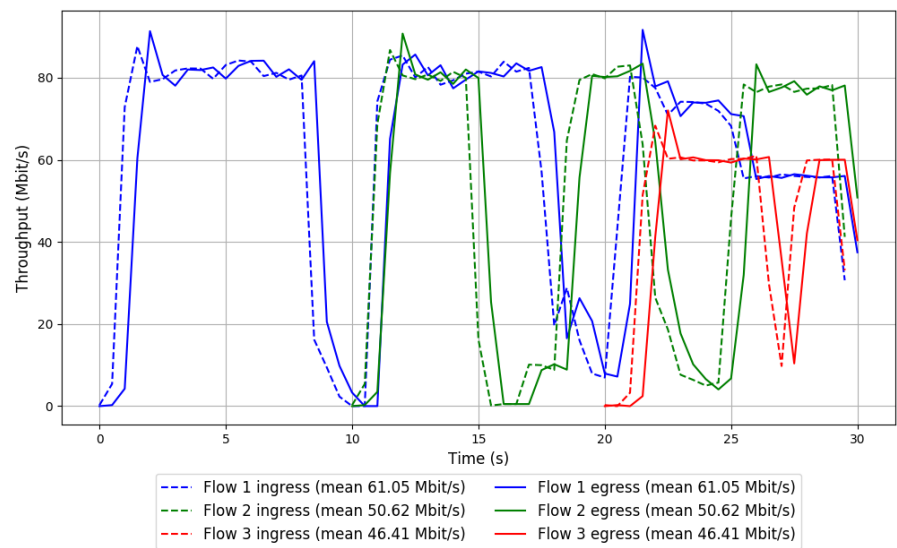
-- Flow 3:

Average throughput: 46.41 Mbit/s

95th percentile per-packet one-way delay: 61.283 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

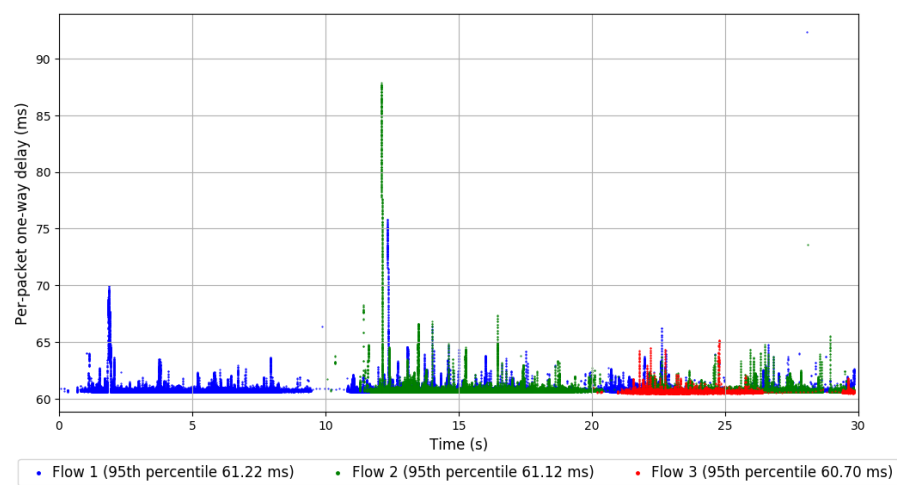
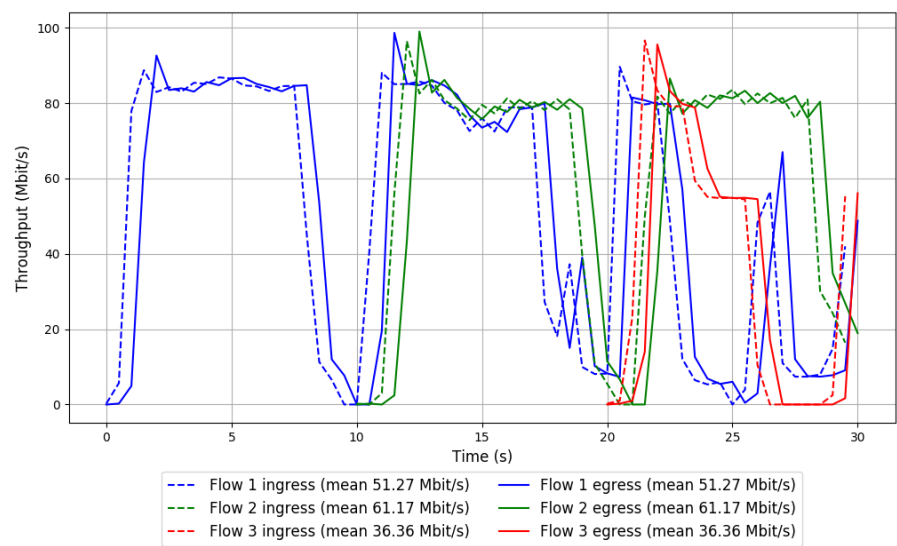


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 18:32:11
End at: 2018-07-25 18:32:41
Local clock offset: 0.132 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.78 Mbit/s
95th percentile per-packet one-way delay: 61.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 61.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 61.116 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 60.698 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 18:56:14

End at: 2018-07-25 18:56:44

Local clock offset: 0.163 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.30 Mbit/s

95th percentile per-packet one-way delay: 61.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 61.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.49 Mbit/s

95th percentile per-packet one-way delay: 61.215 ms

Loss rate: 0.00%

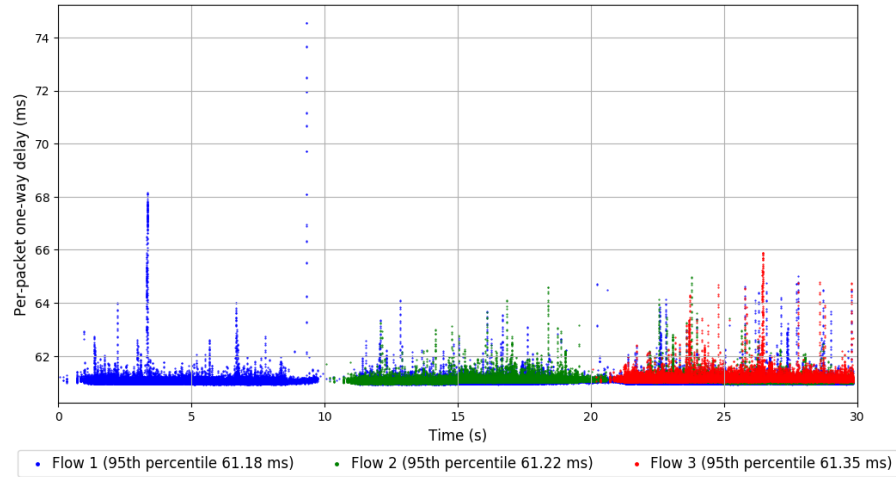
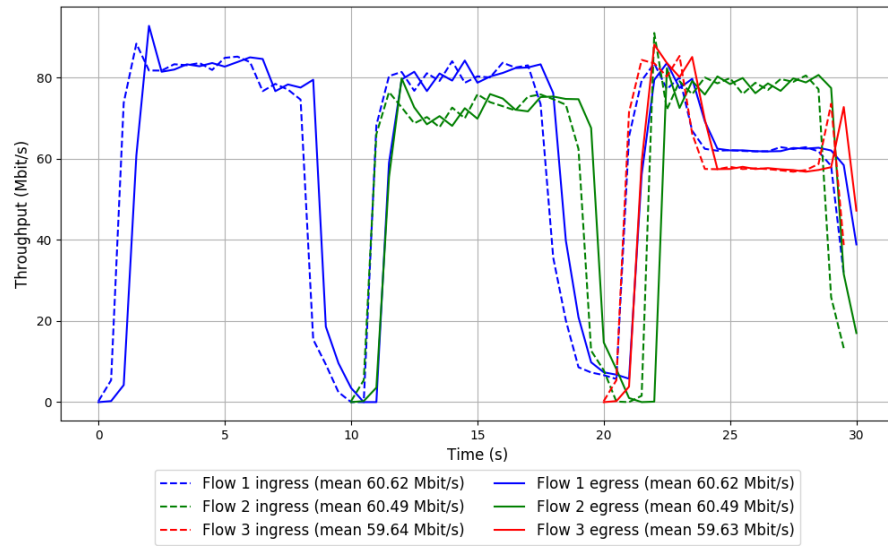
-- Flow 3:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 61.348 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SReAM

Start at: 2018-07-25 15:06:16

End at: 2018-07-25 15:06:46

Local clock offset: -0.153 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-25 21:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.562 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.624 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.405 ms

Loss rate: 0.00%

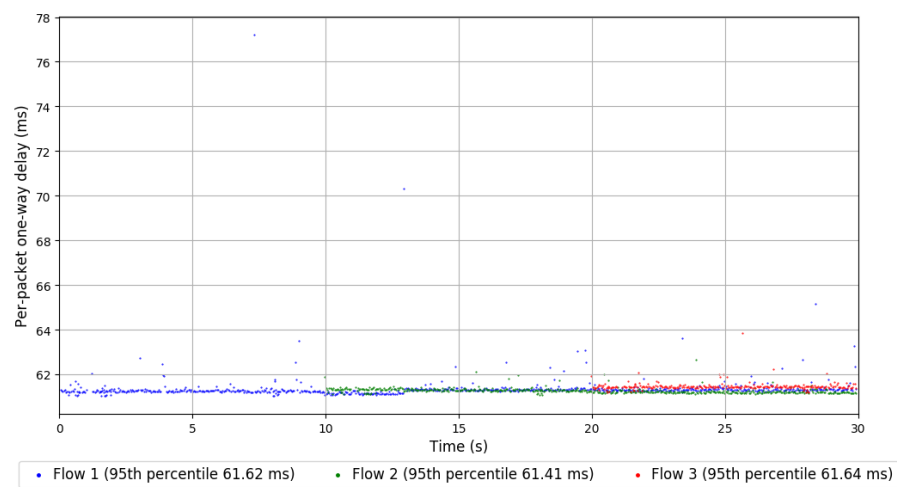
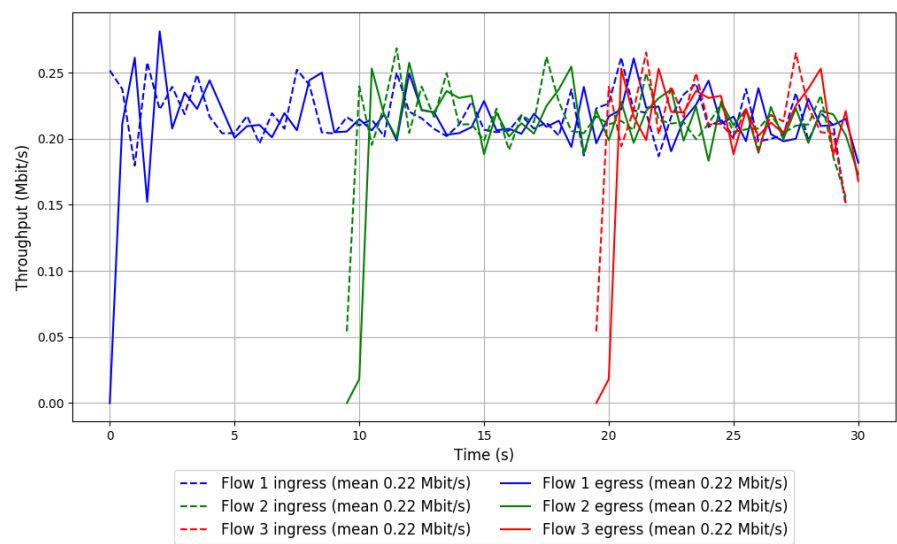
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 0.00%

Run 1: Report of SCSReAM — Data Link

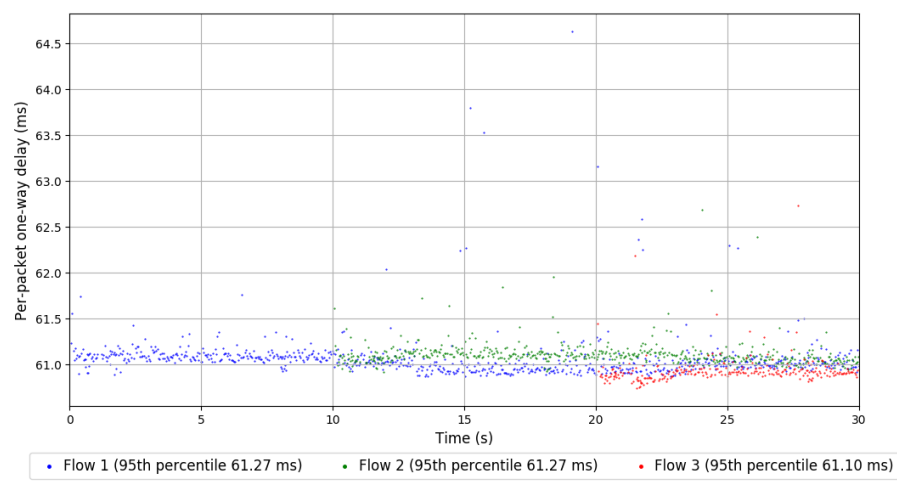
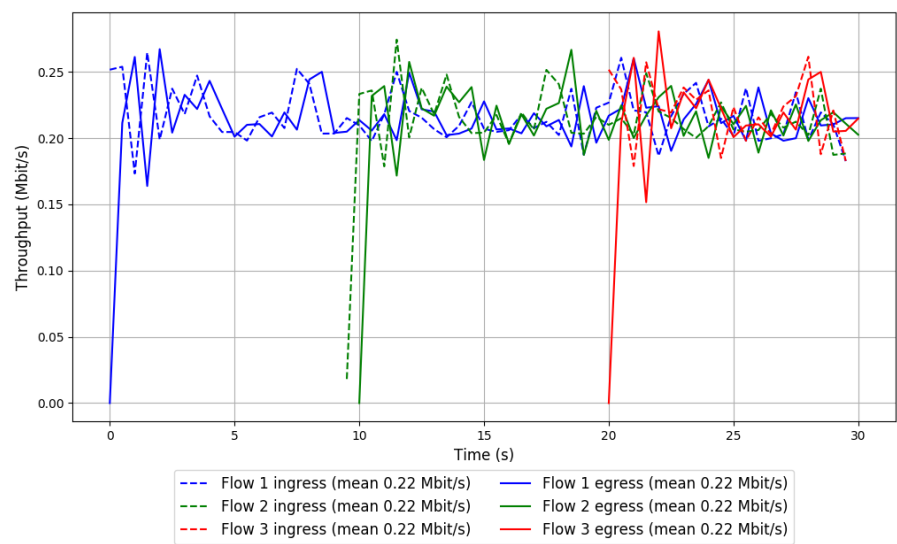


Run 2: Statistics of SReAM

Start at: 2018-07-25 15:30:26
End at: 2018-07-25 15:30:56
Local clock offset: -0.055 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.273 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.099 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

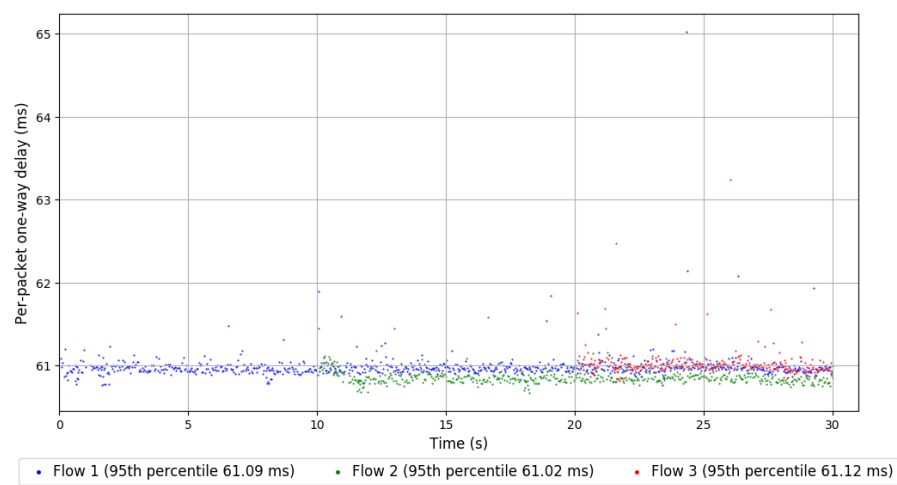
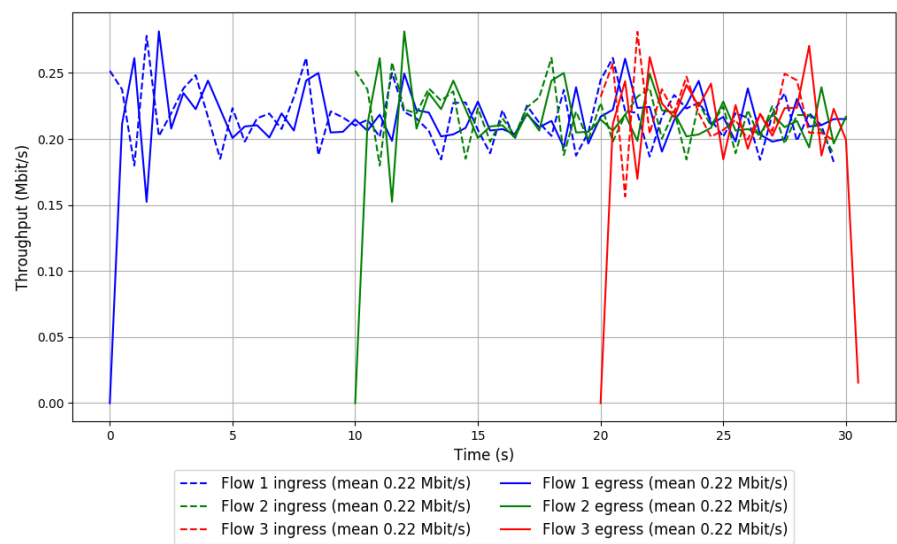


Run 3: Statistics of SReAM

Start at: 2018-07-25 15:54:38
End at: 2018-07-25 15:55:08
Local clock offset: -0.045 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.022 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.124 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

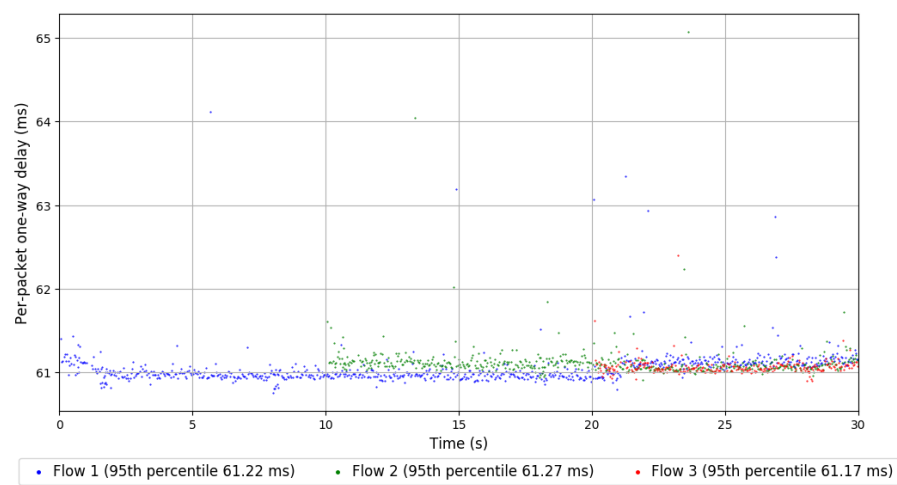
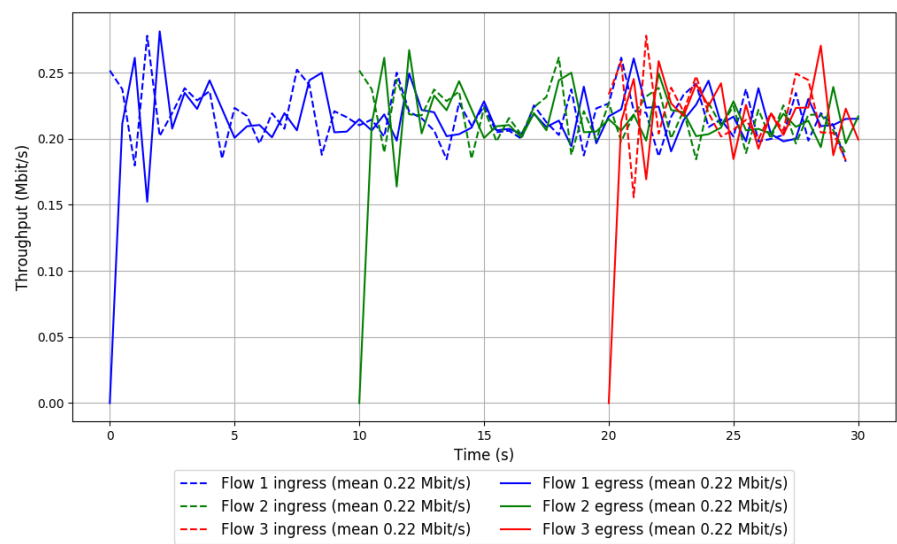


Run 4: Statistics of SReAM

Start at: 2018-07-25 16:18:28
End at: 2018-07-25 16:18:58
Local clock offset: -0.029 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.219 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.271 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.166 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-25 16:42:18

End at: 2018-07-25 16:42:48

Local clock offset: -0.103 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.454 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.616 ms

Loss rate: 0.00%

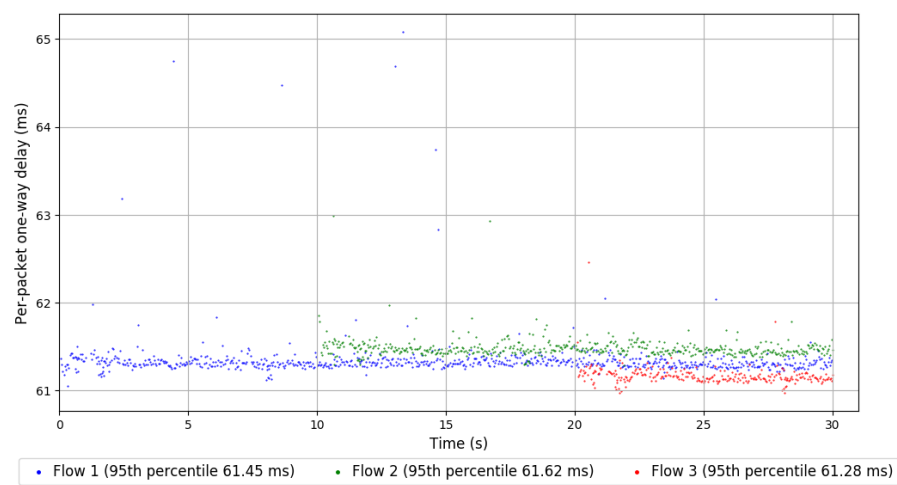
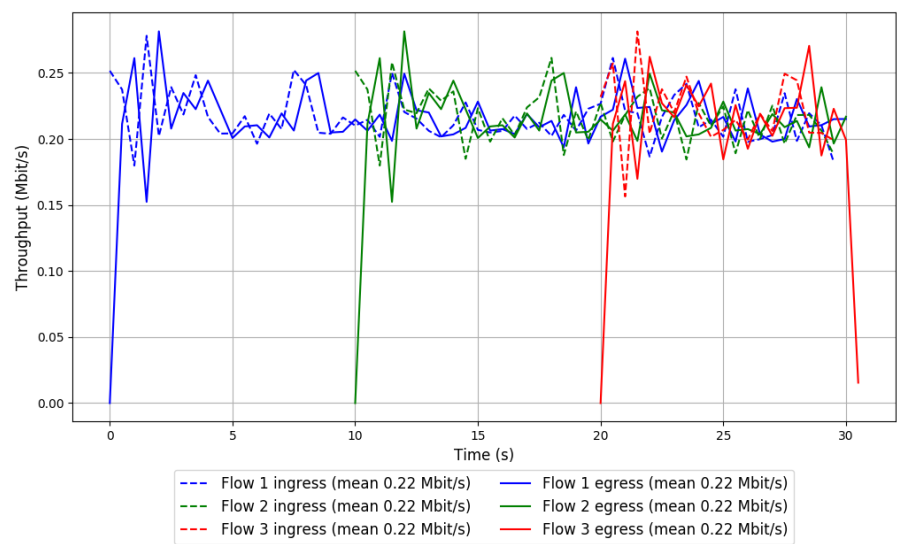
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.279 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

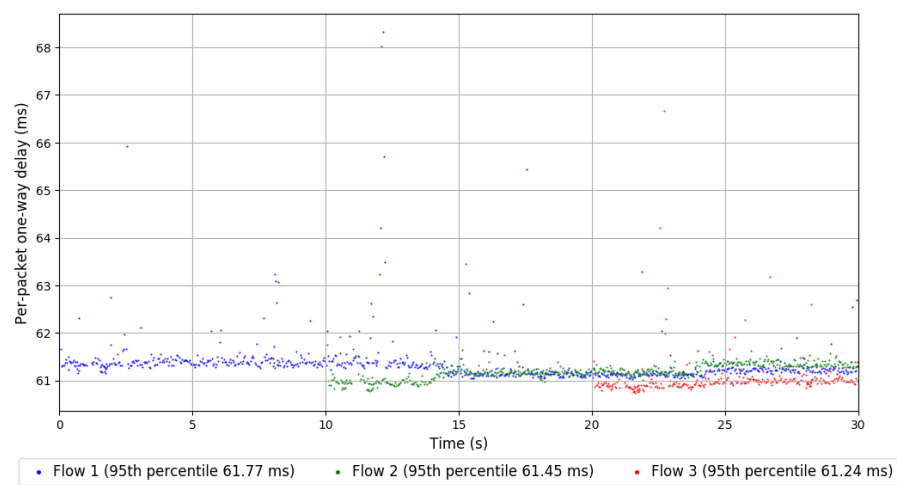
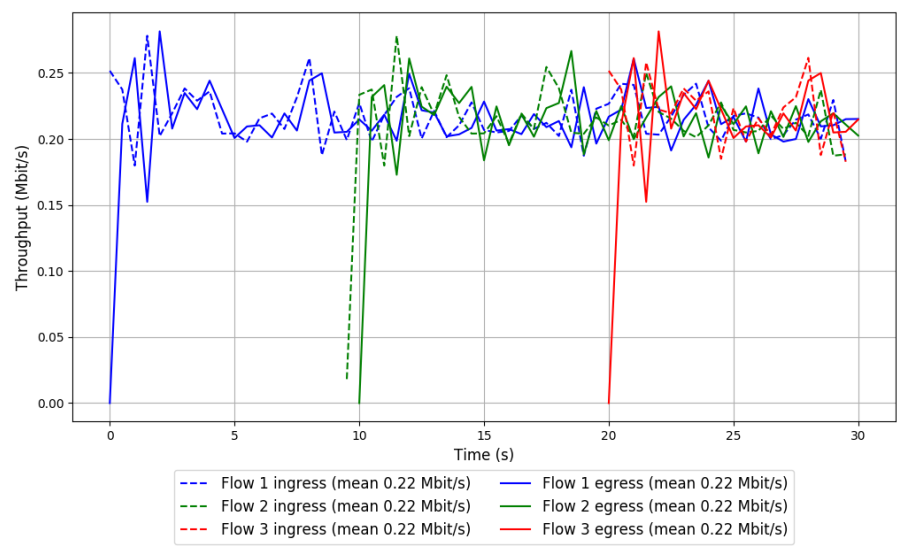


Run 6: Statistics of SReAM

Start at: 2018-07-25 17:06:35
End at: 2018-07-25 17:07:05
Local clock offset: -0.038 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-25 17:30:53

End at: 2018-07-25 17:31:23

Local clock offset: 0.011 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.333 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.300 ms

Loss rate: 0.00%

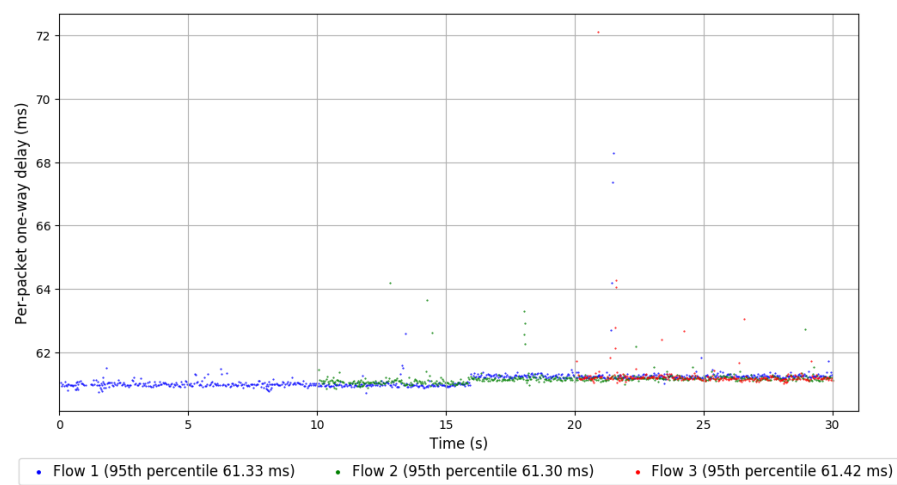
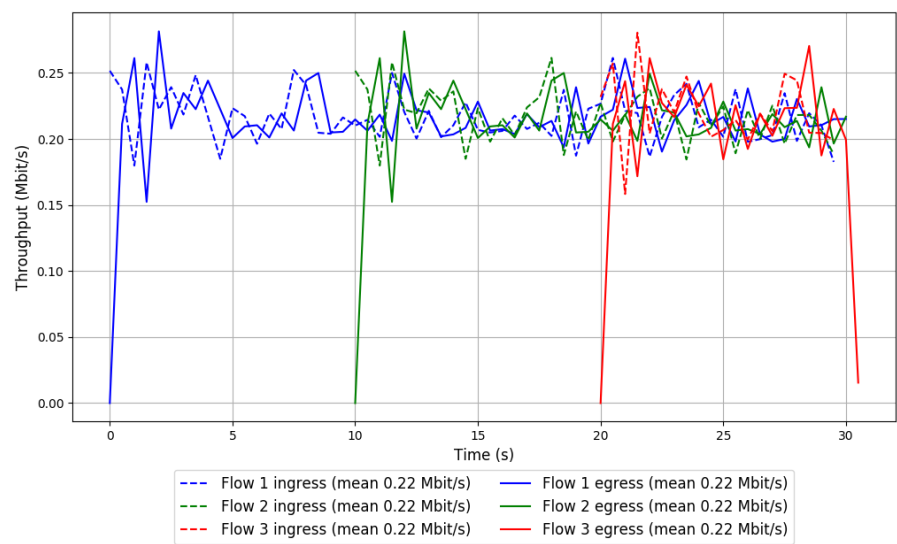
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.425 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

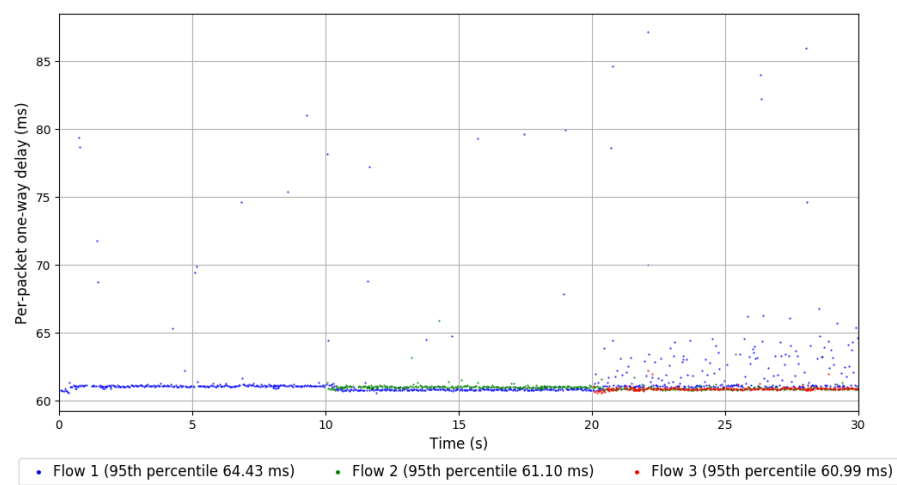
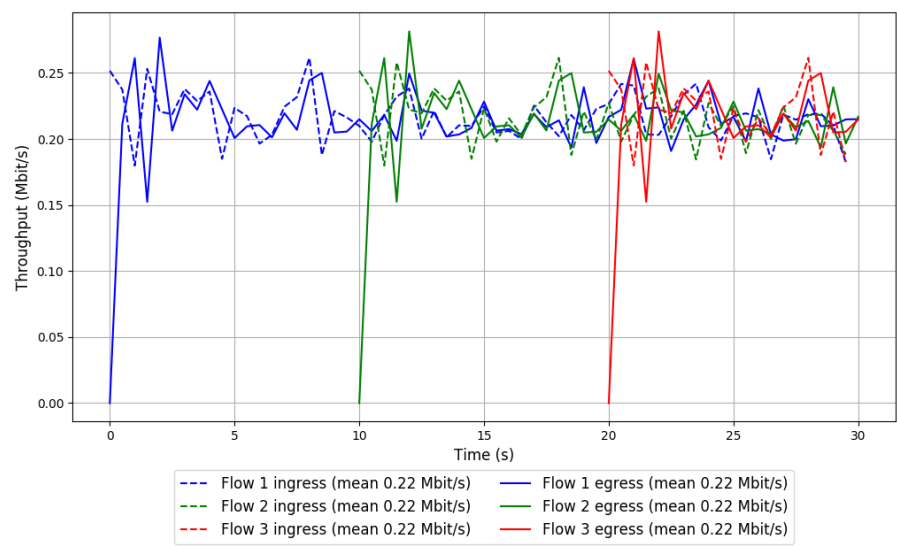


Run 8: Statistics of SReAM

Start at: 2018-07-25 17:55:08
End at: 2018-07-25 17:55:38
Local clock offset: 0.072 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.989 ms
Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link

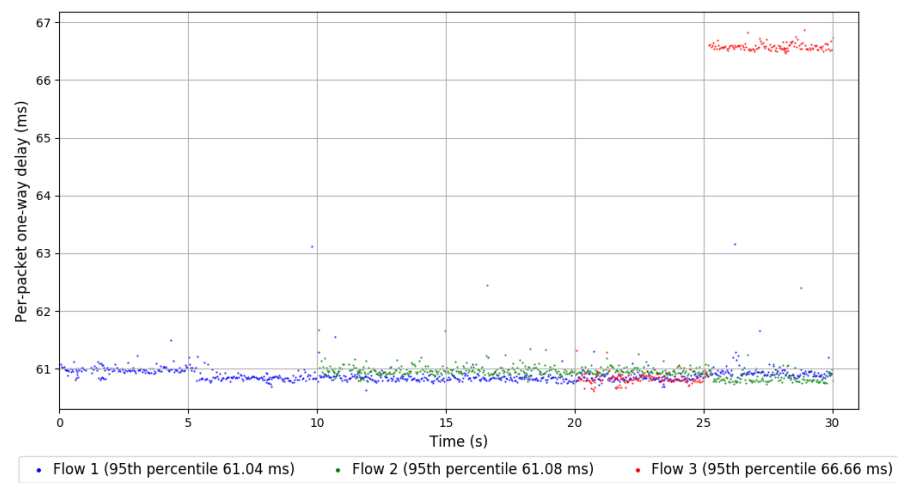
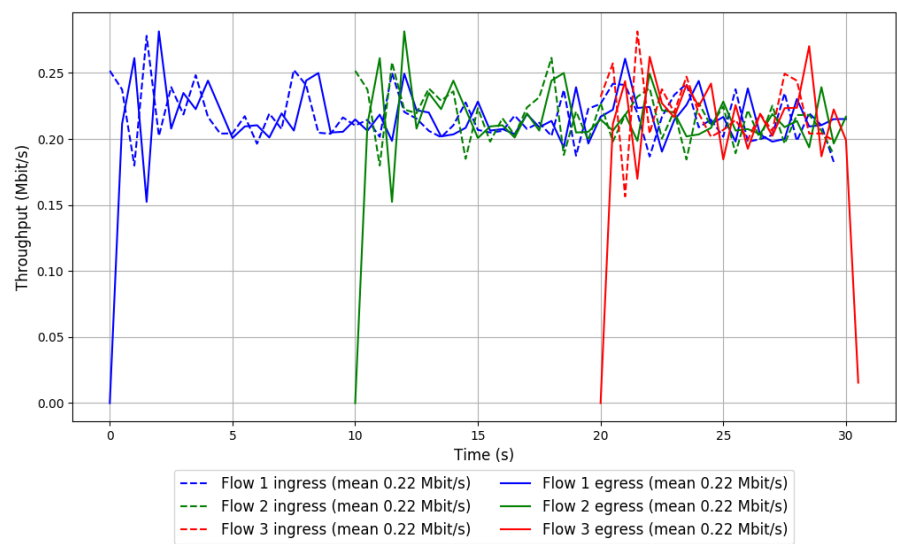


Run 9: Statistics of SReAM

Start at: 2018-07-25 18:19:14
End at: 2018-07-25 18:19:44
Local clock offset: 0.127 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.658 ms
Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link

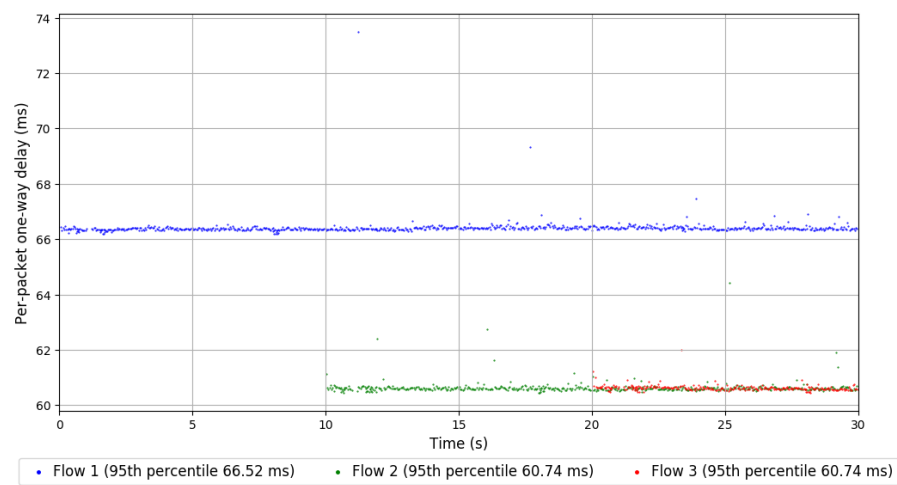
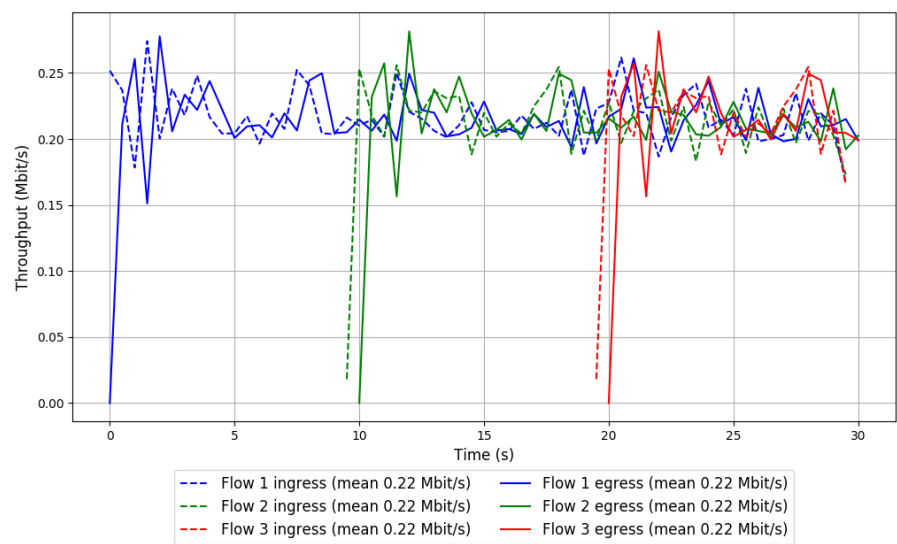


Run 10: Statistics of SReAM

Start at: 2018-07-25 18:43:35
End at: 2018-07-25 18:44:05
Local clock offset: 0.158 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.517 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.744 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 15:02:26

End at: 2018-07-25 15:02:56

Local clock offset: -0.144 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 61.895 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 61.682 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 61.947 ms

Loss rate: 0.00%

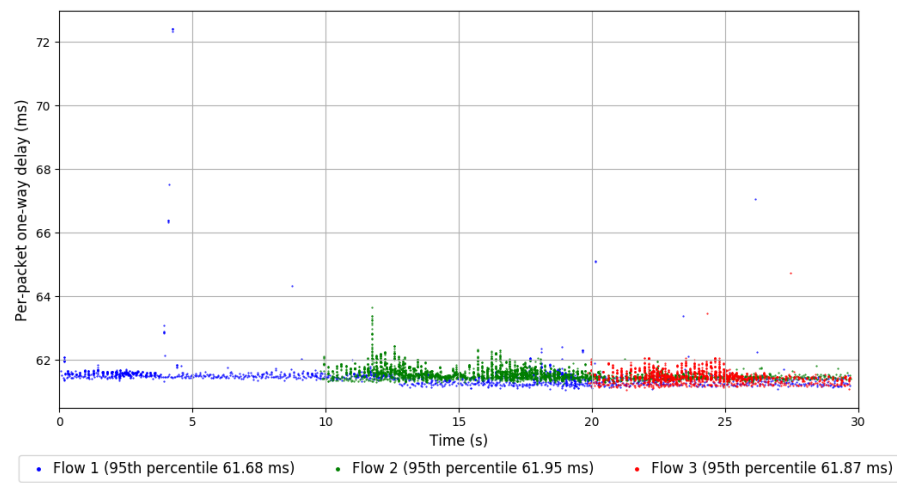
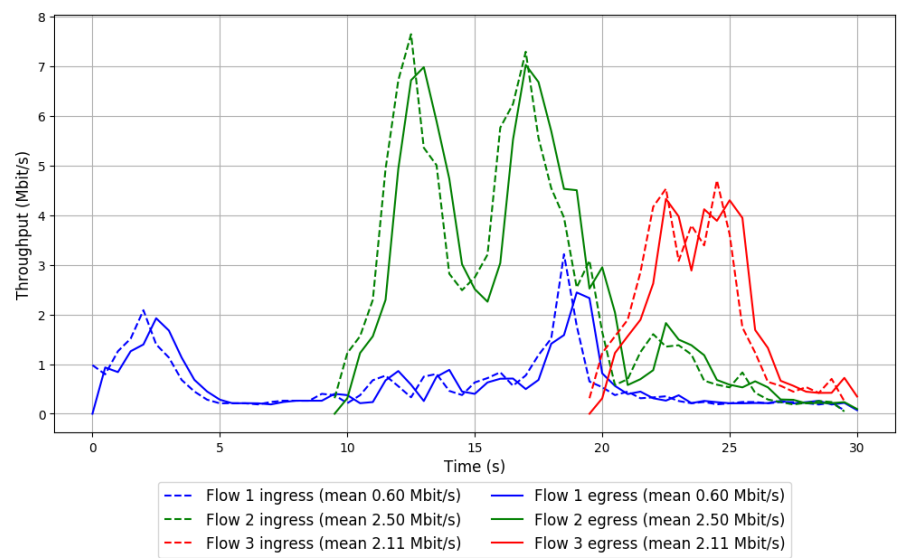
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 61.869 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

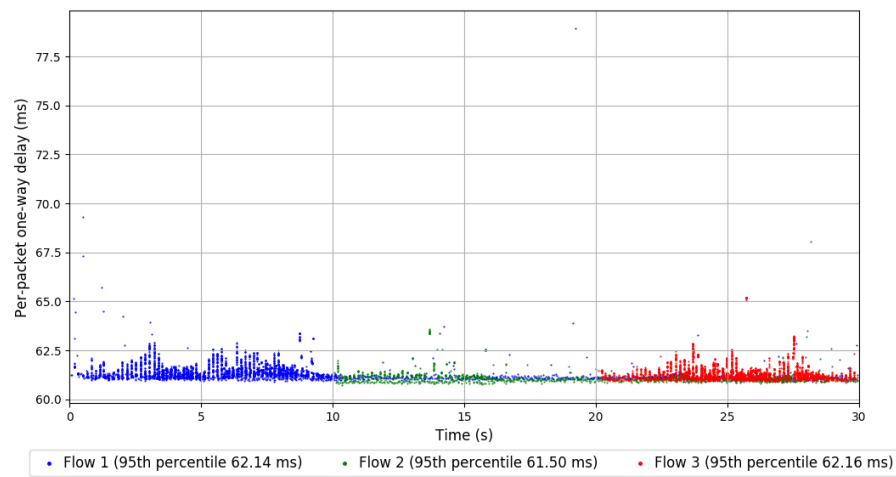
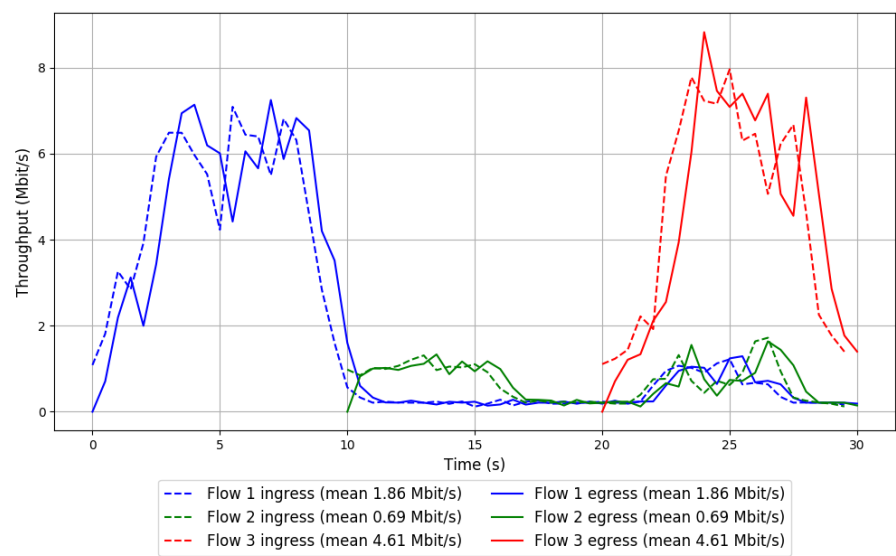


Run 2: Statistics of Sprout

Start at: 2018-07-25 15:26:23
End at: 2018-07-25 15:26:53
Local clock offset: -0.072 ms
Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 62.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 62.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 62.160 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

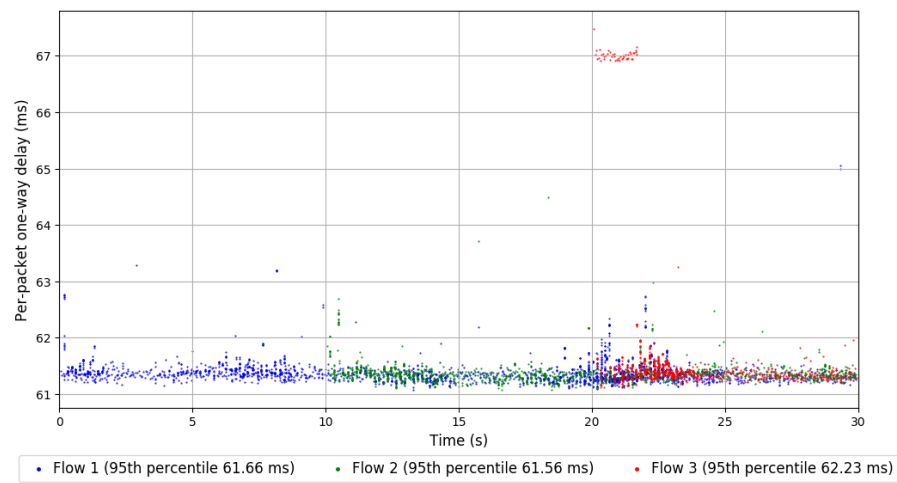
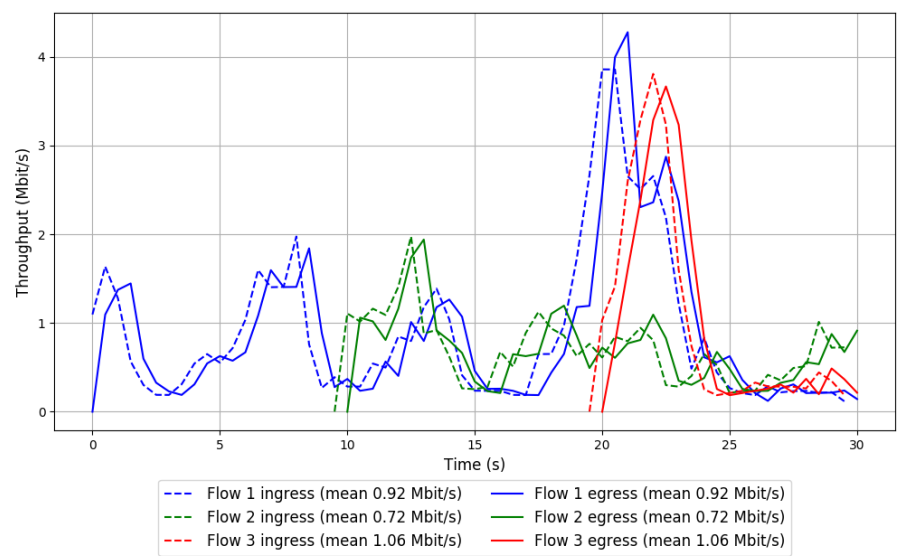


Run 3: Statistics of Sprout

Start at: 2018-07-25 15:50:37
End at: 2018-07-25 15:51:07
Local clock offset: -0.073 ms
Remote clock offset: 0.164 ms

```
# Below is generated by plot.py at 2018-07-25 21:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 61.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 61.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-25 16:14:27

End at: 2018-07-25 16:14:57

Local clock offset: -0.122 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.404 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 61.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 61.403 ms

Loss rate: 0.00%

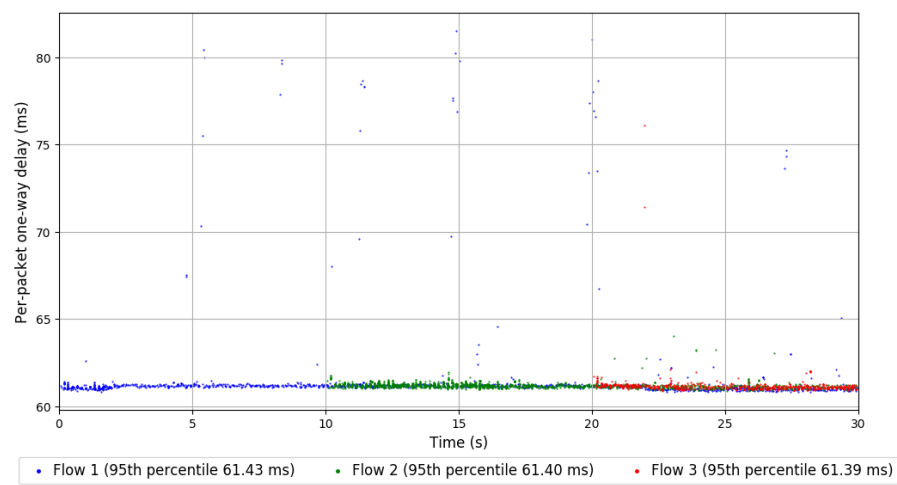
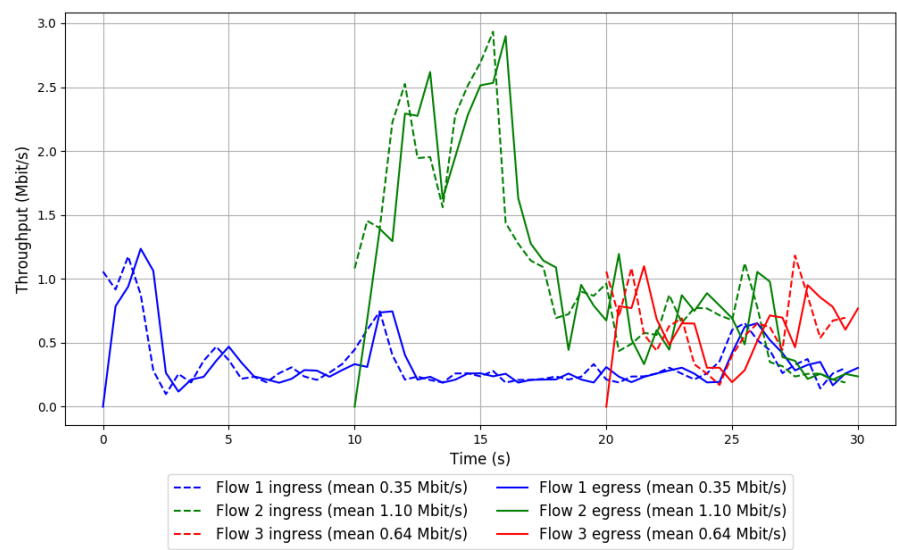
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 61.390 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

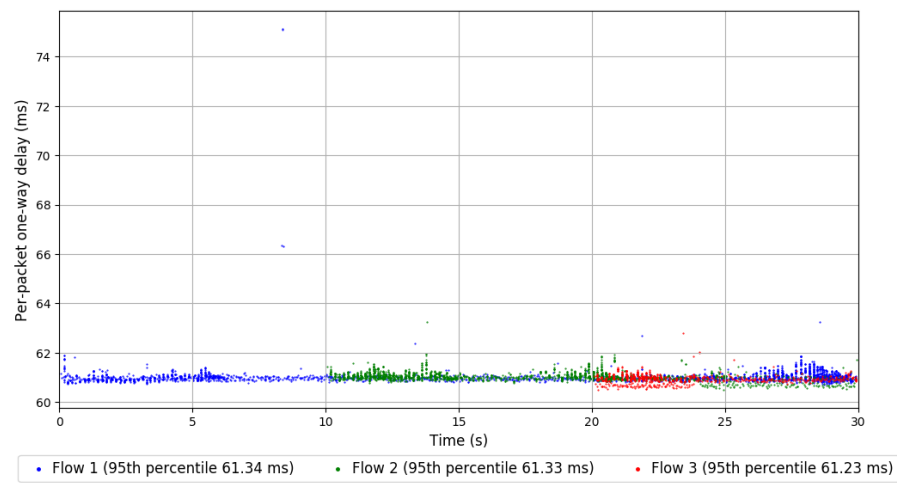
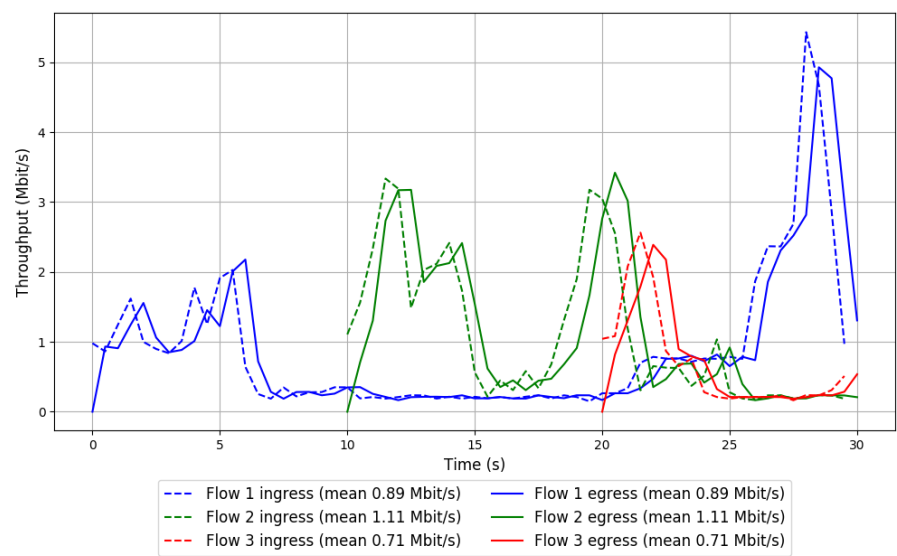


Run 5: Statistics of Sprout

Start at: 2018-07-25 16:38:15
End at: 2018-07-25 16:38:45
Local clock offset: -0.066 ms
Remote clock offset: -0.223 ms

```
# Below is generated by plot.py at 2018-07-25 21:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 61.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 61.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-25 17:02:29

End at: 2018-07-25 17:02:59

Local clock offset: -0.05 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 61.557 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 61.503 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 62.454 ms

Loss rate: 0.00%

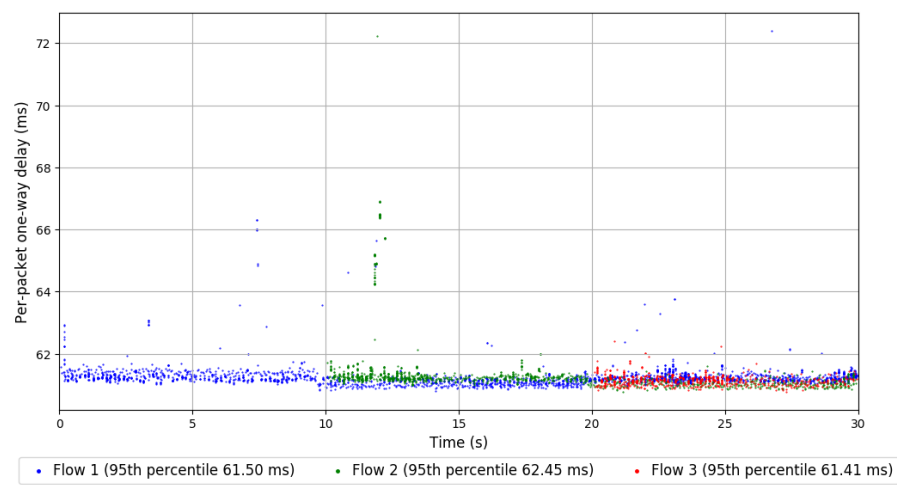
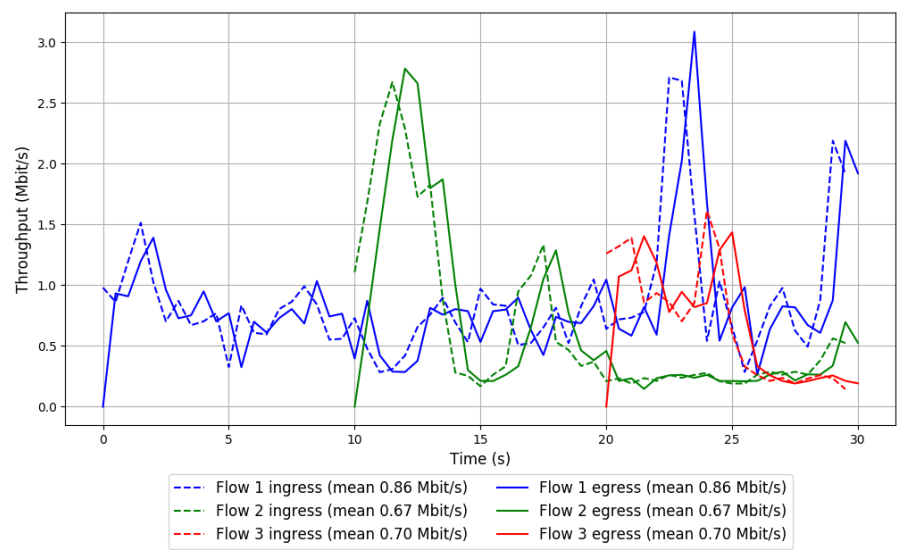
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

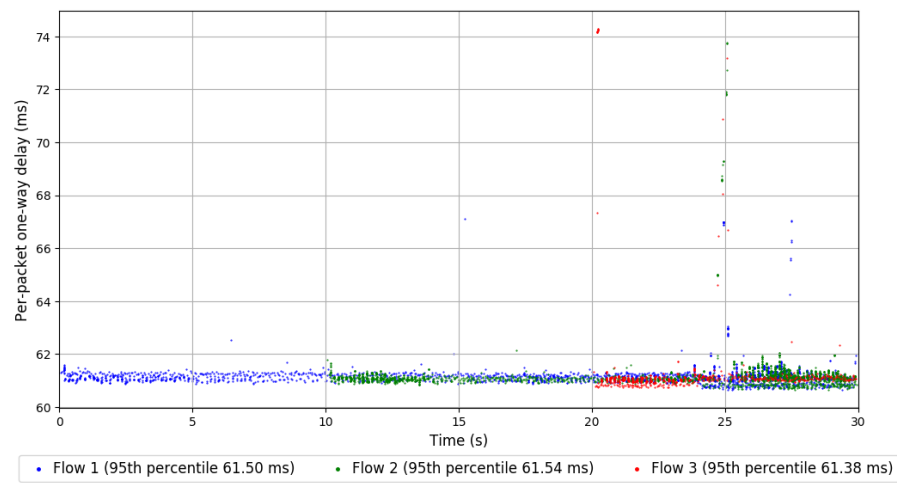
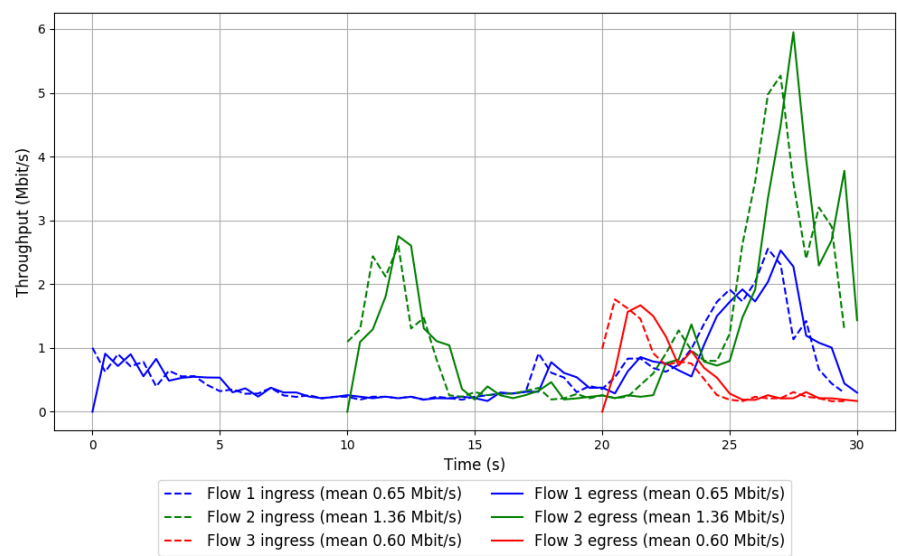


Run 7: Statistics of Sprout

Start at: 2018-07-25 17:26:45
End at: 2018-07-25 17:27:15
Local clock offset: 0.013 ms
Remote clock offset: -0.016 ms

```
# Below is generated by plot.py at 2018-07-25 21:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 61.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 61.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 61.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 61.377 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-25 17:51:06

End at: 2018-07-25 17:51:36

Local clock offset: 0.029 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-07-25 21:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 62.446 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 61.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 61.942 ms

Loss rate: 0.00%

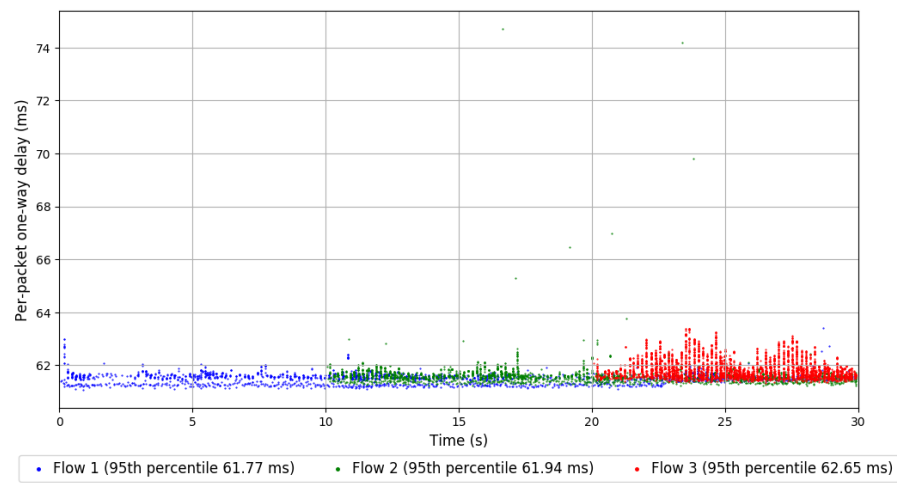
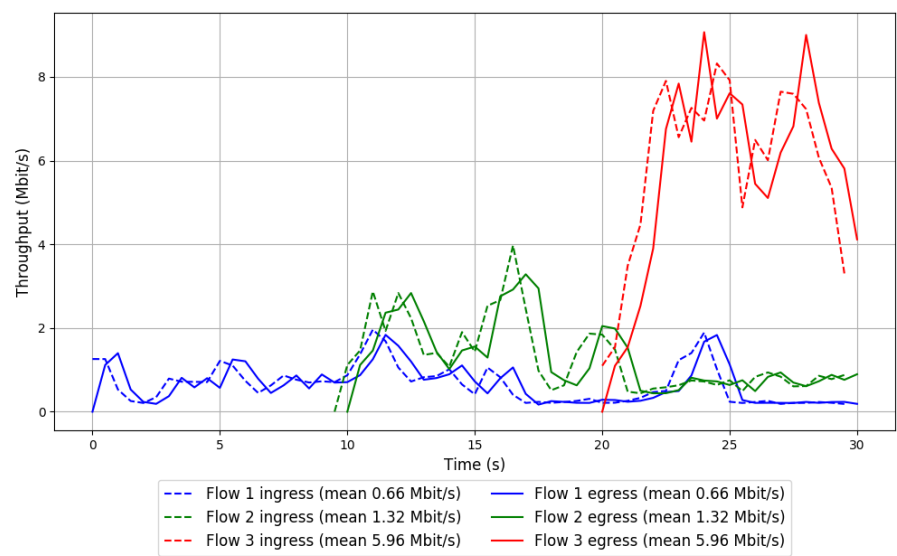
-- Flow 3:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 62.647 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

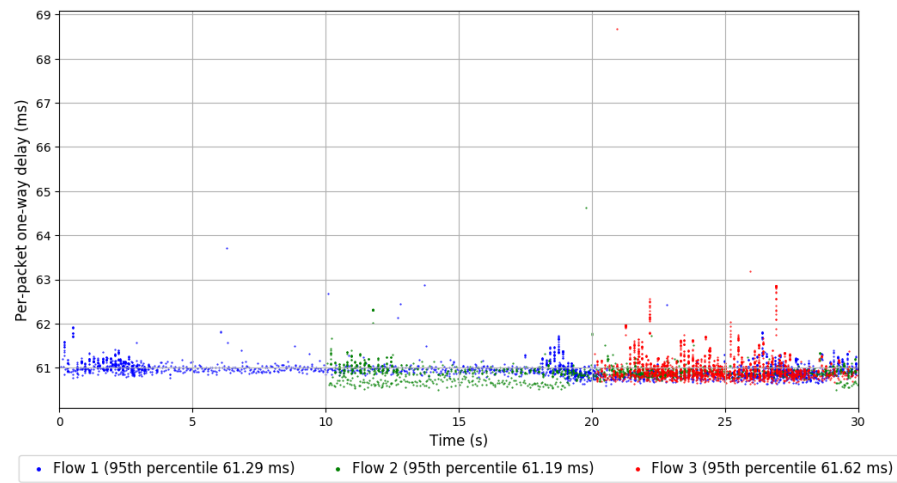
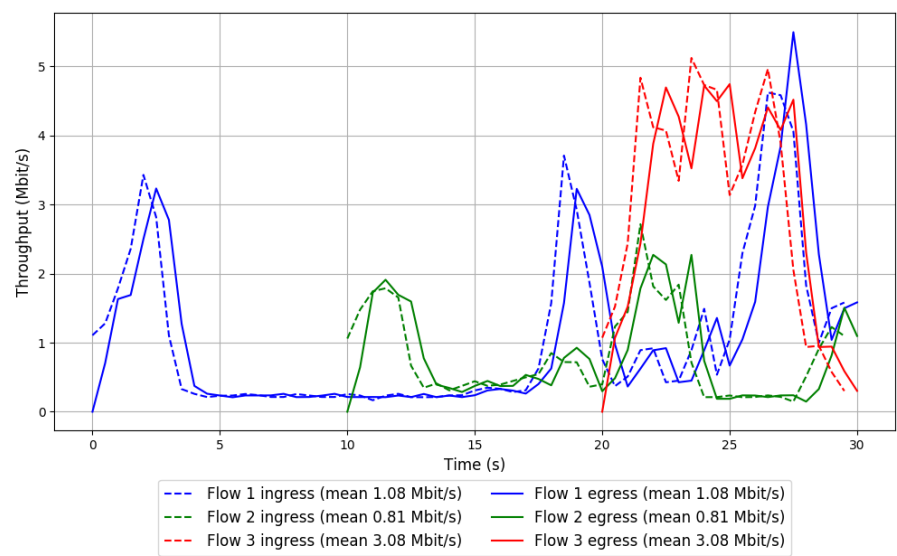


Run 9: Statistics of Sprout

Start at: 2018-07-25 18:15:10
End at: 2018-07-25 18:15:40
Local clock offset: 0.068 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-25 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 61.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 61.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

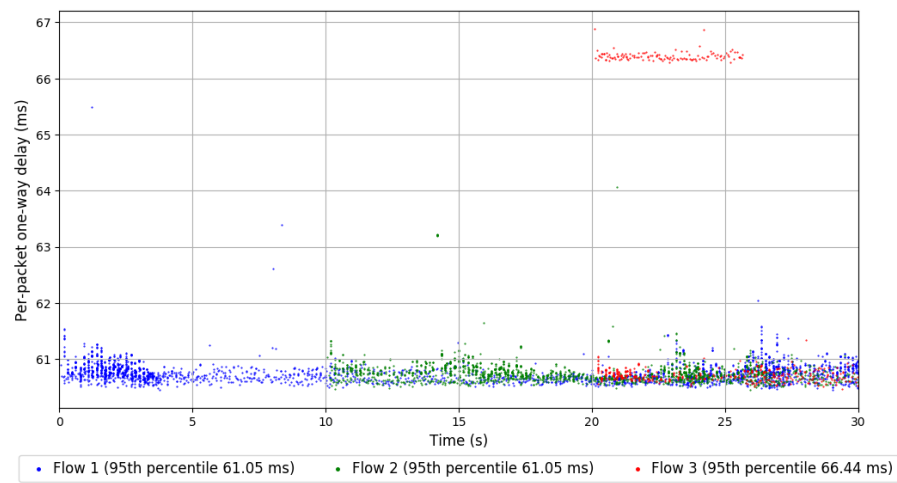
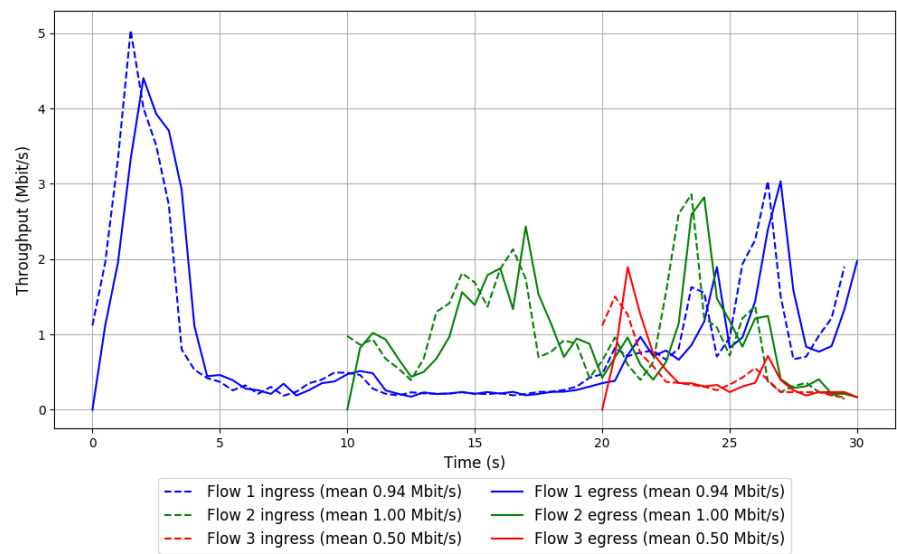


Run 10: Statistics of Sprout

Start at: 2018-07-25 18:39:33
End at: 2018-07-25 18:40:03
Local clock offset: 0.15 ms
Remote clock offset: -0.322 ms

```
# Below is generated by plot.py at 2018-07-25 21:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 61.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 61.049 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 61.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.437 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

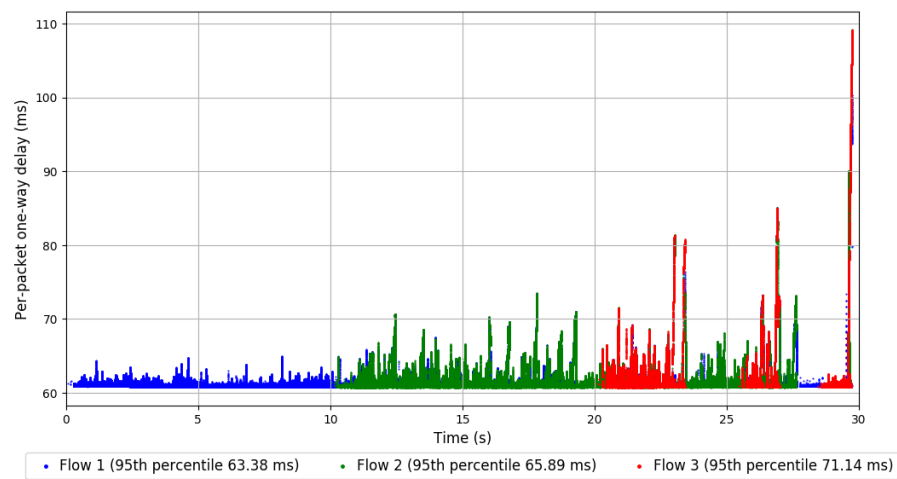
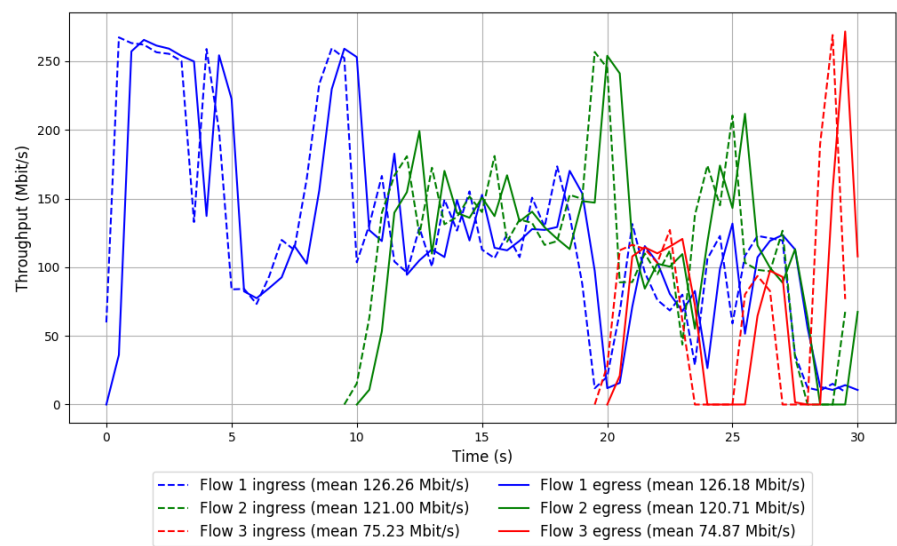


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 15:21:36
End at: 2018-07-25 15:22:06
Local clock offset: -0.054 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-07-25 21:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.78 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.18 Mbit/s
95th percentile per-packet one-way delay: 63.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.71 Mbit/s
95th percentile per-packet one-way delay: 65.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 71.140 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 15:45:47

End at: 2018-07-25 15:46:17

Local clock offset: -0.06 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-25 21:16:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.91 Mbit/s

95th percentile per-packet one-way delay: 64.776 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 153.57 Mbit/s

95th percentile per-packet one-way delay: 63.921 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 121.08 Mbit/s

95th percentile per-packet one-way delay: 66.548 ms

Loss rate: 0.00%

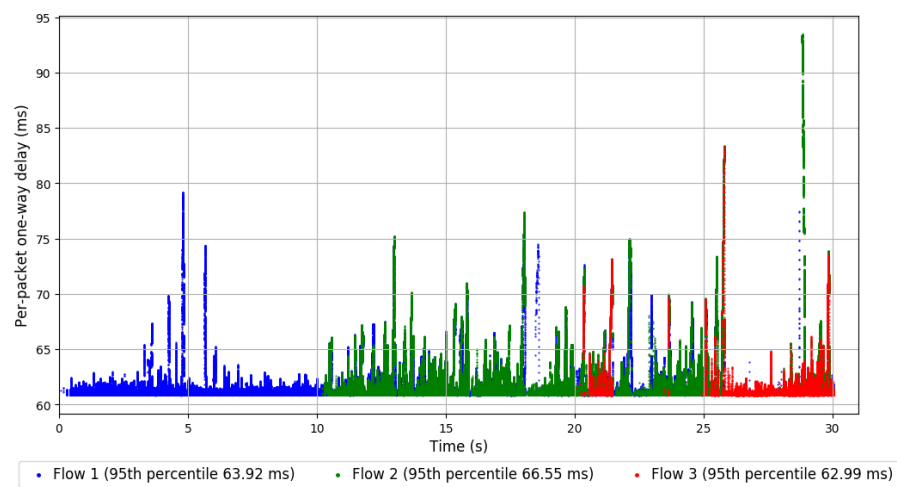
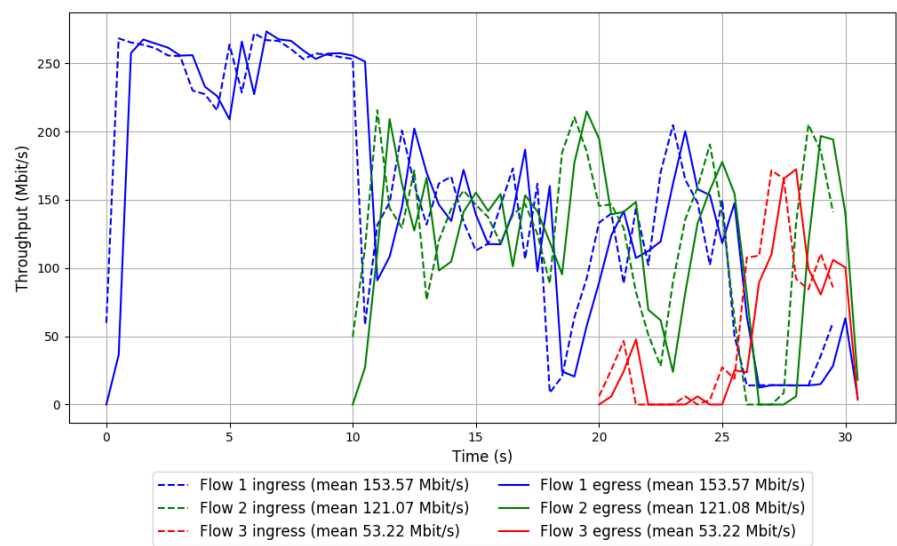
-- Flow 3:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 62.987 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 16:09:36

End at: 2018-07-25 16:10:06

Local clock offset: -0.035 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-25 21:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.96 Mbit/s

95th percentile per-packet one-way delay: 65.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 149.36 Mbit/s

95th percentile per-packet one-way delay: 64.474 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 66.821 ms

Loss rate: 0.00%

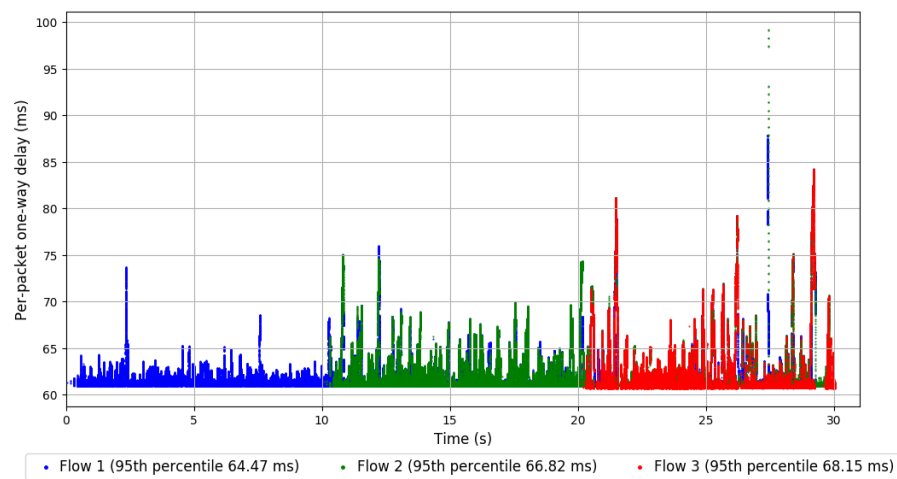
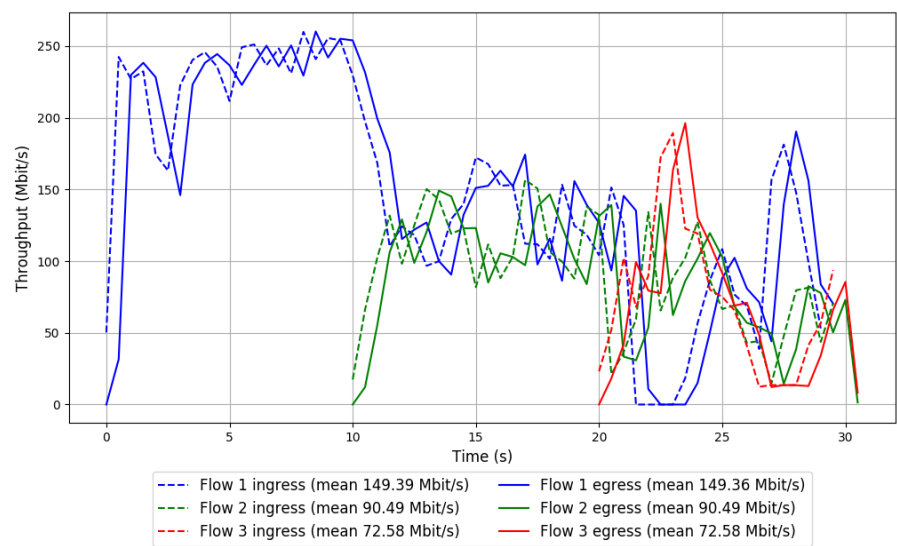
-- Flow 3:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 68.154 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 16:33:29

End at: 2018-07-25 16:33:59

Local clock offset: -0.096 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-25 21:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.11 Mbit/s

95th percentile per-packet one-way delay: 64.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.00 Mbit/s

95th percentile per-packet one-way delay: 63.323 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.83 Mbit/s

95th percentile per-packet one-way delay: 68.281 ms

Loss rate: 0.00%

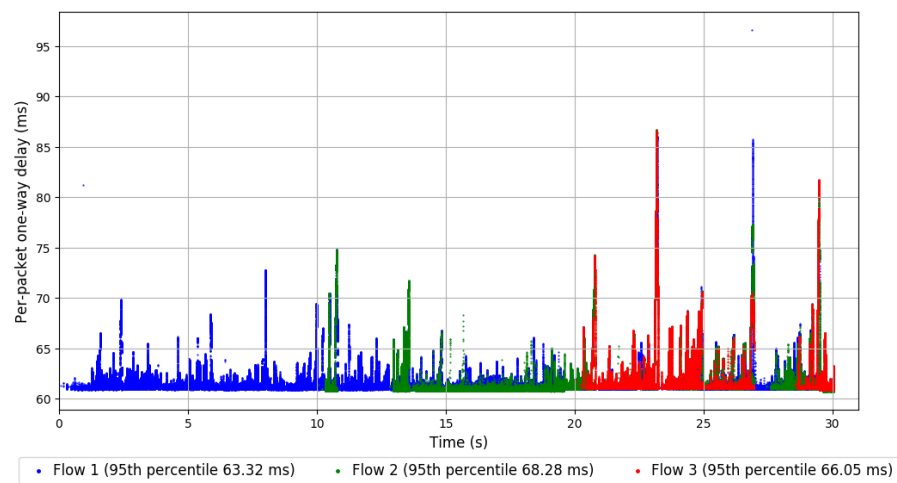
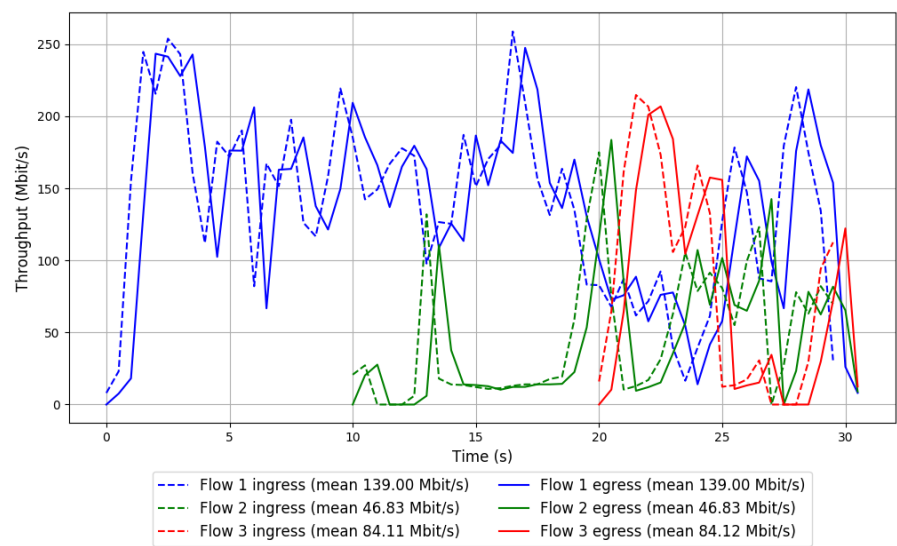
-- Flow 3:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 66.047 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 16:57:40

End at: 2018-07-25 16:58:10

Local clock offset: -0.07 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-25 21:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.02 Mbit/s

95th percentile per-packet one-way delay: 65.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 141.21 Mbit/s

95th percentile per-packet one-way delay: 63.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 66.466 ms

Loss rate: 0.00%

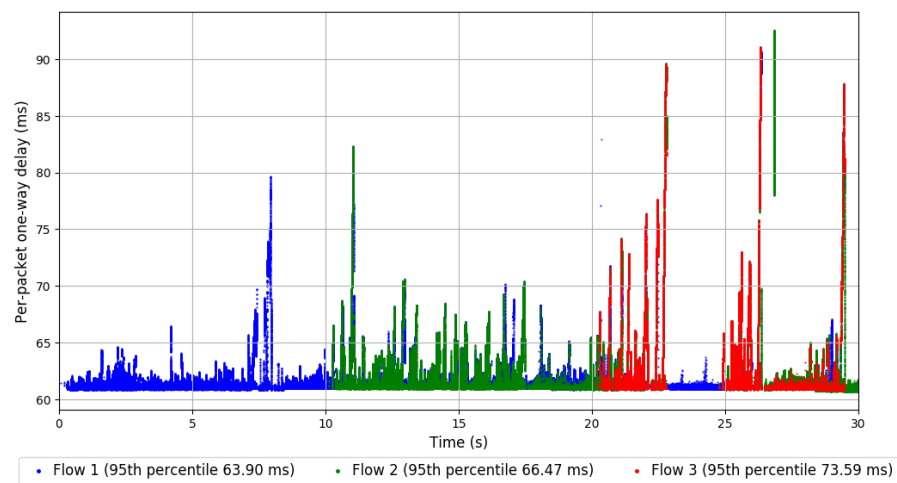
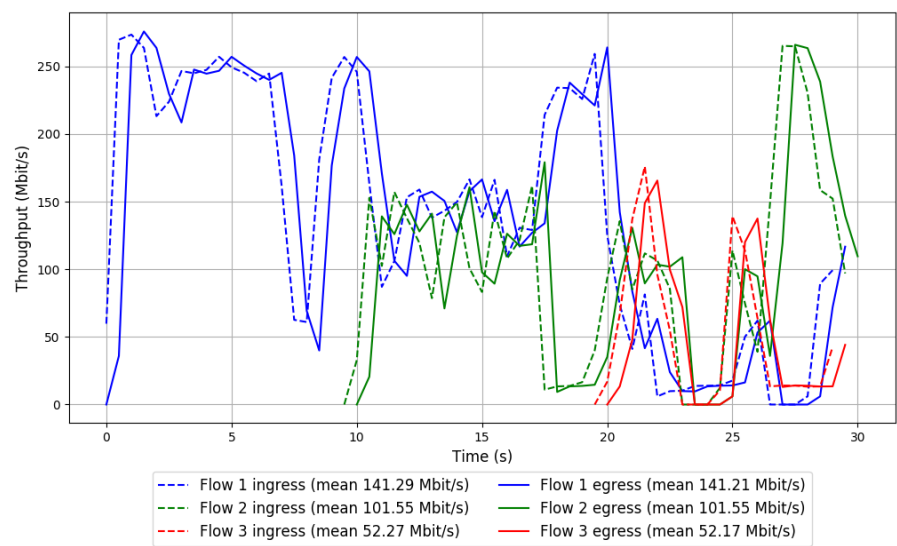
-- Flow 3:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 73.587 ms

Loss rate: 0.00%

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

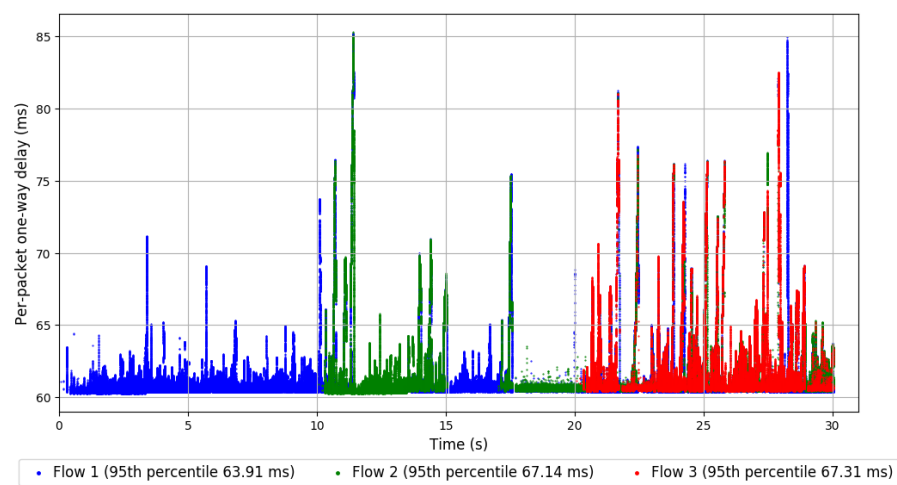
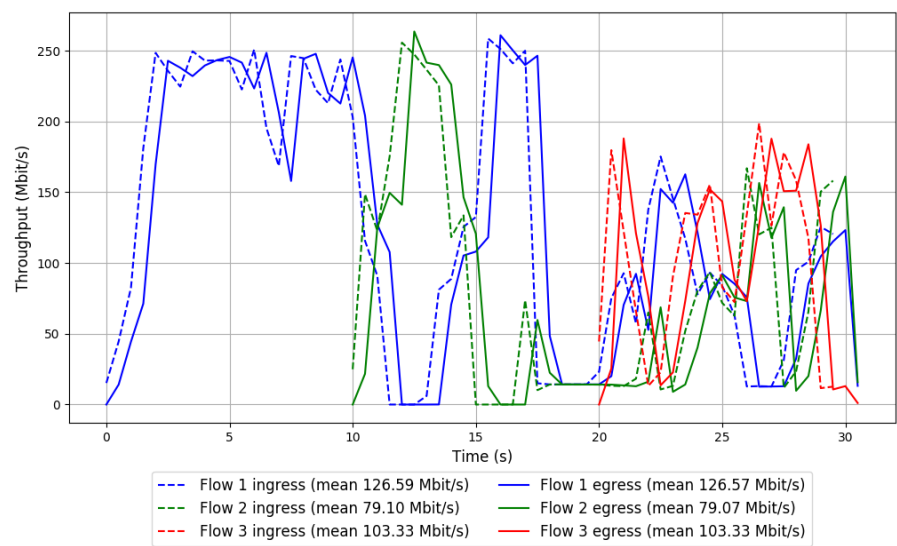


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 17:21:55
End at: 2018-07-25 17:22:25
Local clock offset: 0.033 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-25 21:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.56 Mbit/s
95th percentile per-packet one-way delay: 65.861 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: 63.905 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 67.138 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 103.33 Mbit/s
95th percentile per-packet one-way delay: 67.311 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 17:46:15

End at: 2018-07-25 17:46:45

Local clock offset: 0.064 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-25 21:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.27 Mbit/s

95th percentile per-packet one-way delay: 65.138 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 63.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.24 Mbit/s

95th percentile per-packet one-way delay: 65.936 ms

Loss rate: 0.00%

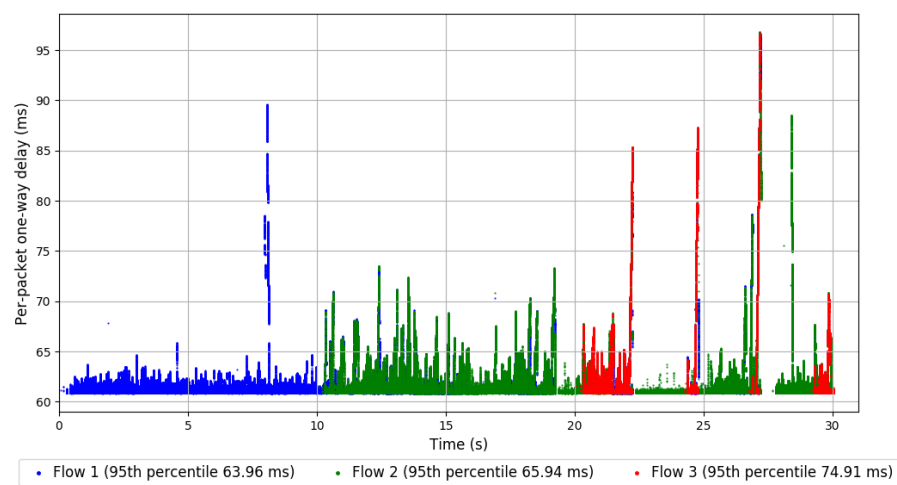
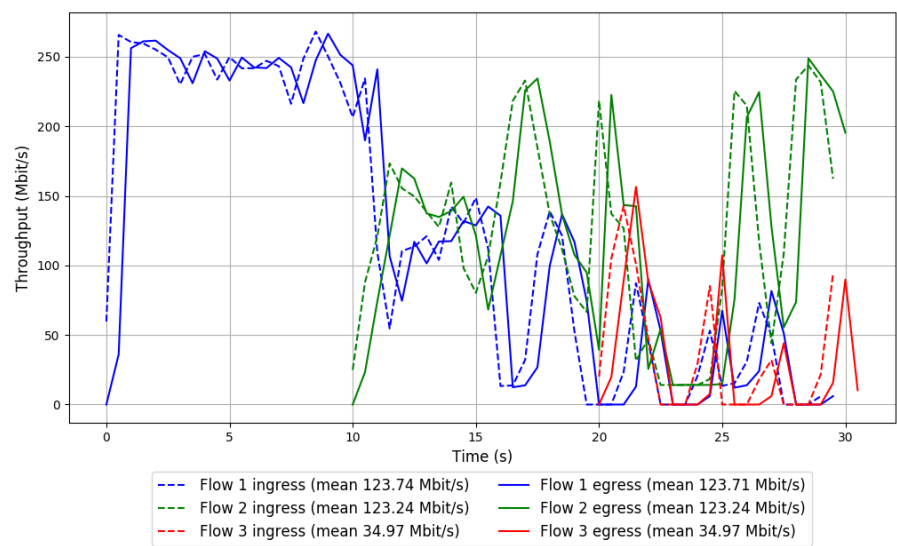
-- Flow 3:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 74.913 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 18:10:30

End at: 2018-07-25 18:11:00

Local clock offset: 0.097 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-25 21:22:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.19 Mbit/s

95th percentile per-packet one-way delay: 65.427 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 109.47 Mbit/s

95th percentile per-packet one-way delay: 64.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.60 Mbit/s

95th percentile per-packet one-way delay: 65.090 ms

Loss rate: 0.00%

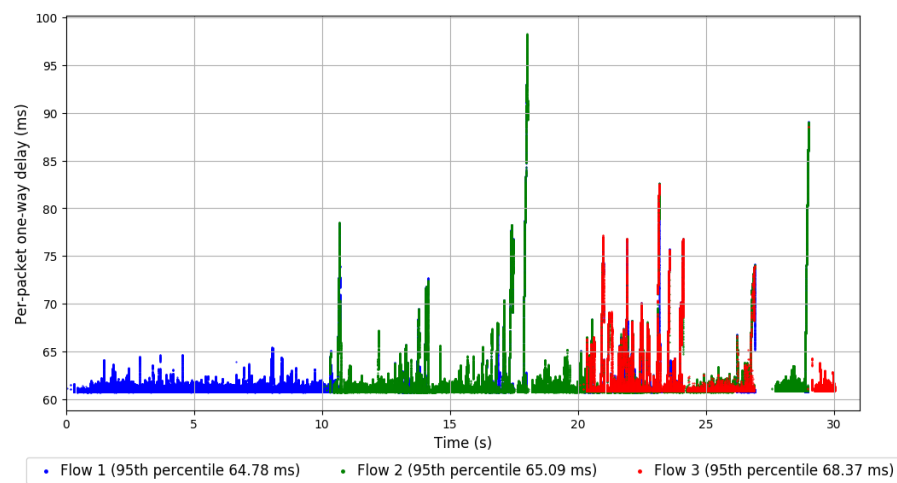
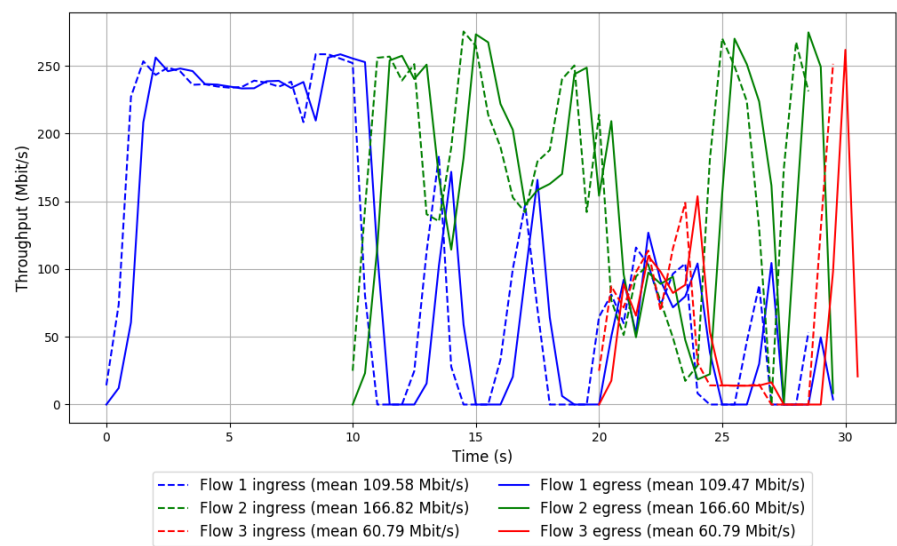
-- Flow 3:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 68.368 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 18:34:48

End at: 2018-07-25 18:35:18

Local clock offset: 0.161 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-25 21:22:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.77 Mbit/s

95th percentile per-packet one-way delay: 63.937 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.63 Mbit/s

95th percentile per-packet one-way delay: 62.904 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 65.417 ms

Loss rate: 0.00%

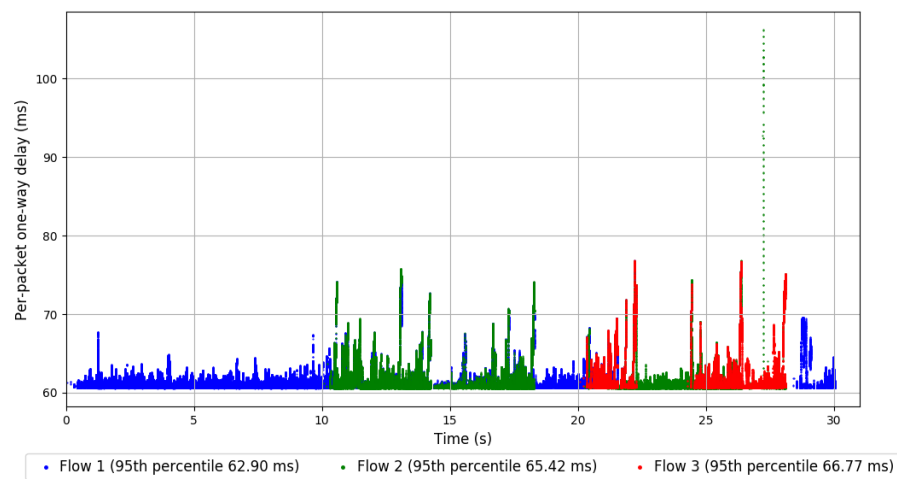
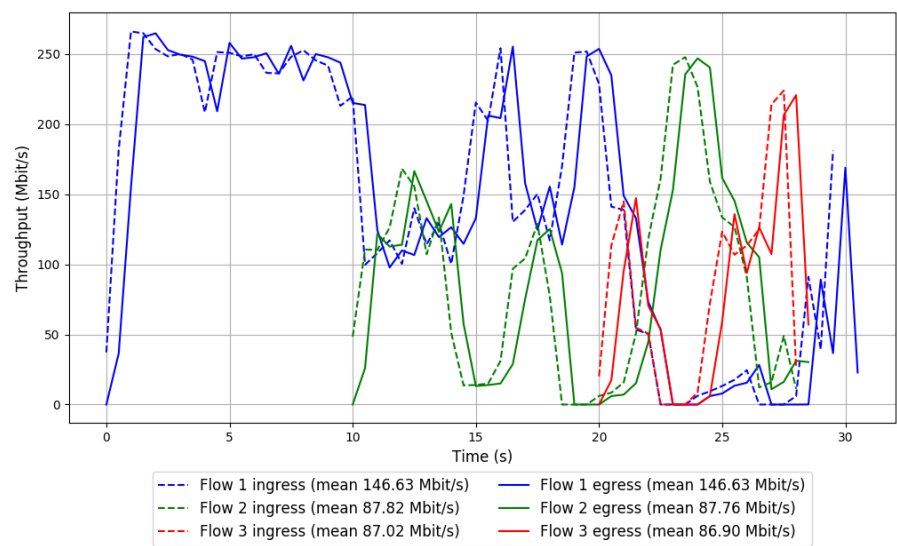
-- Flow 3:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 66.771 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 18:58:43

End at: 2018-07-25 18:59:13

Local clock offset: 0.164 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-25 21:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.33 Mbit/s

95th percentile per-packet one-way delay: 64.050 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.06 Mbit/s

95th percentile per-packet one-way delay: 63.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.47 Mbit/s

95th percentile per-packet one-way delay: 63.490 ms

Loss rate: 0.00%

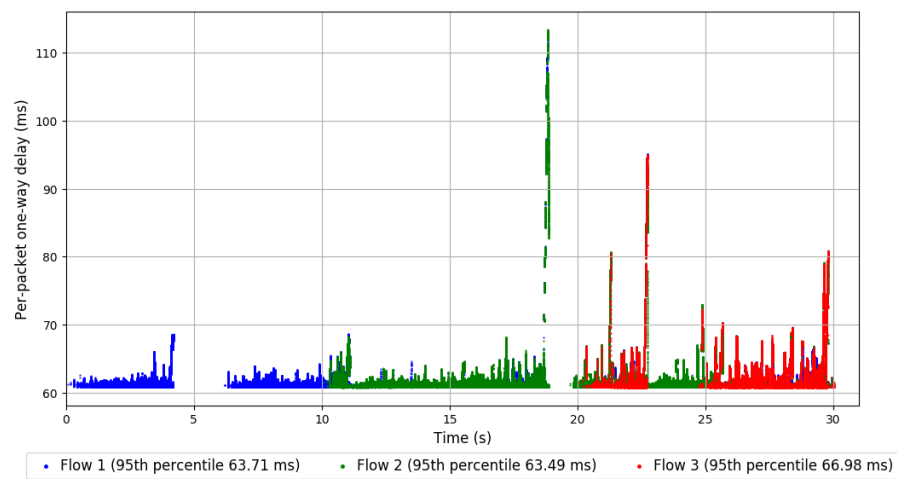
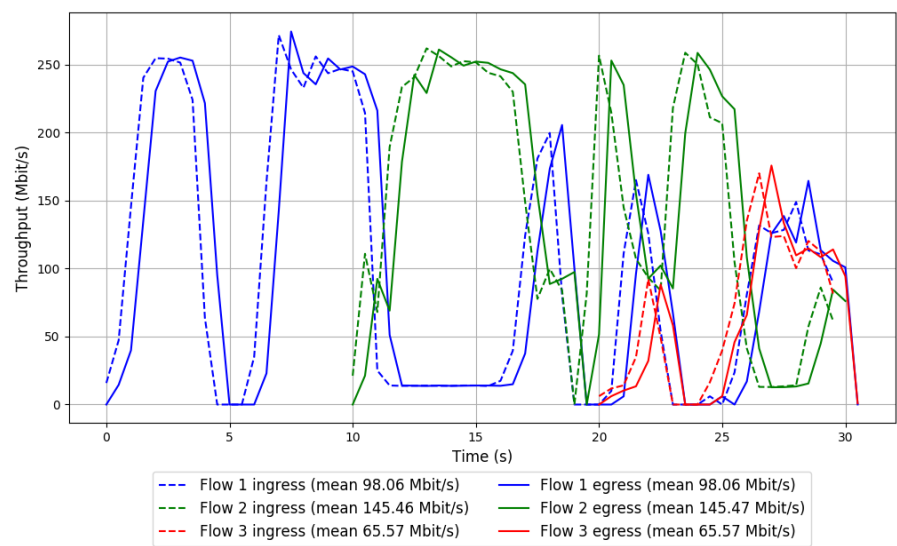
-- Flow 3:

Average throughput: 65.57 Mbit/s

95th percentile per-packet one-way delay: 66.982 ms

Loss rate: 0.00%

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

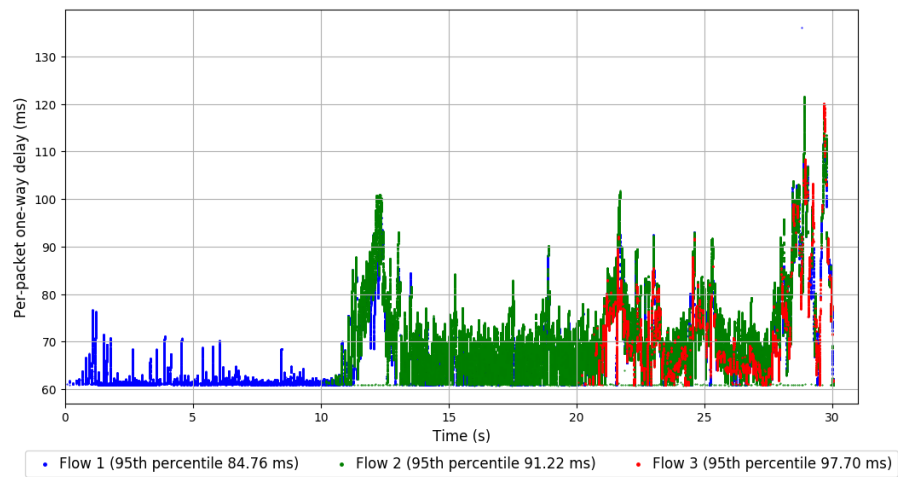
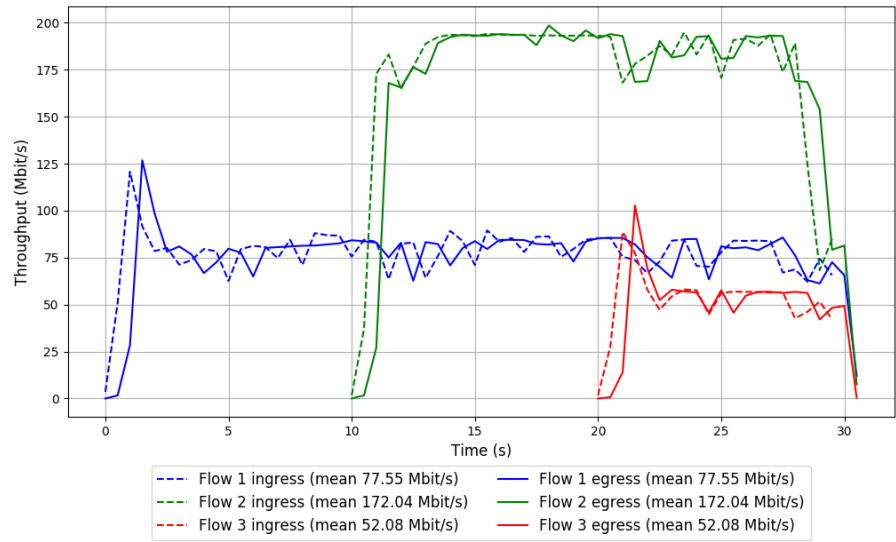


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 15:20:15
End at: 2018-07-25 15:20:45
Local clock offset: -0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 21:22:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.40 Mbit/s
95th percentile per-packet one-way delay: 89.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 84.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.04 Mbit/s
95th percentile per-packet one-way delay: 91.217 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 97.700 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 15:44:27

End at: 2018-07-25 15:44:57

Local clock offset: -0.064 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-25 21:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.20 Mbit/s

95th percentile per-packet one-way delay: 66.175 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 137.18 Mbit/s

95th percentile per-packet one-way delay: 65.675 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.31 Mbit/s

95th percentile per-packet one-way delay: 66.911 ms

Loss rate: 0.00%

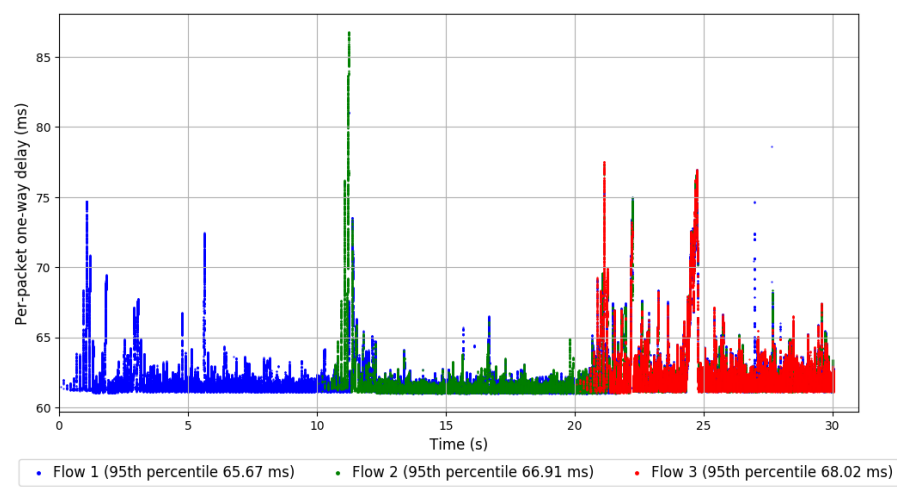
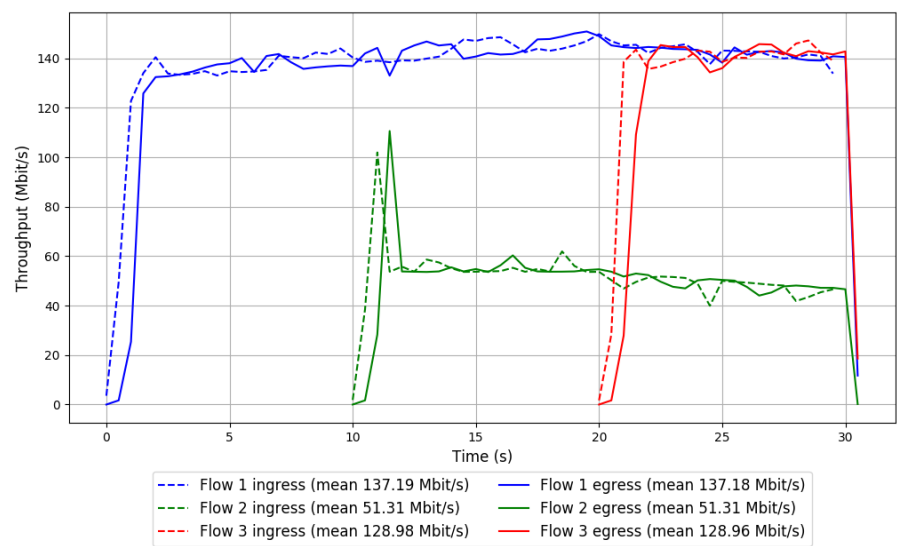
-- Flow 3:

Average throughput: 128.96 Mbit/s

95th percentile per-packet one-way delay: 68.024 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link

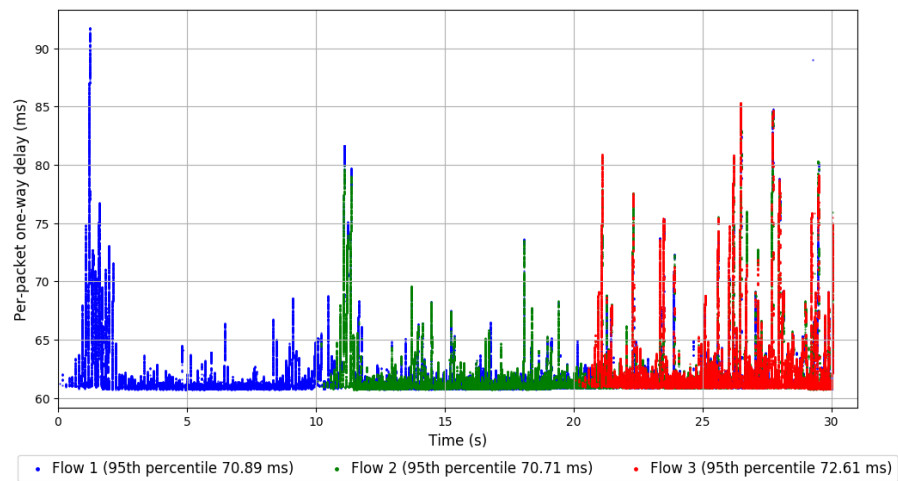
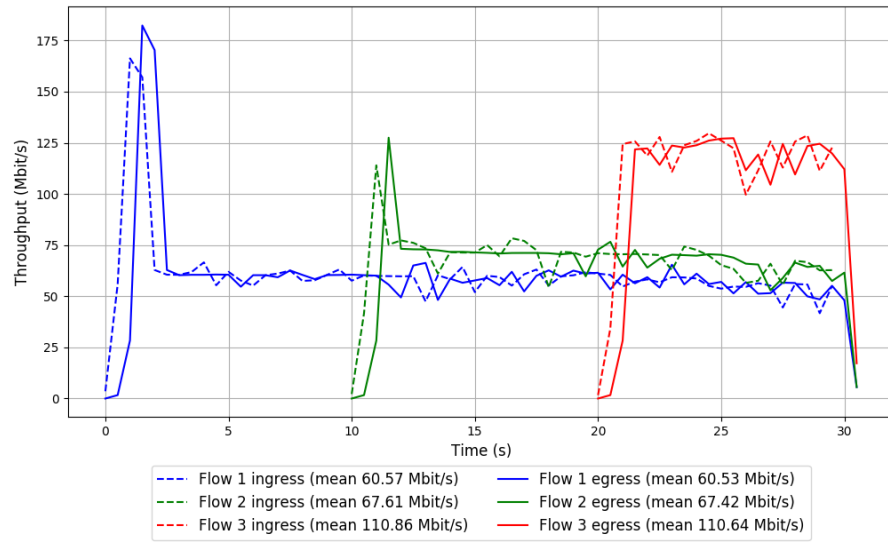


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 16:08:20
End at: 2018-07-25 16:08:50
Local clock offset: -0.073 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-25 21:22:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.22 Mbit/s
95th percentile per-packet one-way delay: 71.371 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 70.894 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 70.714 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 110.64 Mbit/s
95th percentile per-packet one-way delay: 72.612 ms
Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 16:32:11

End at: 2018-07-25 16:32:41

Local clock offset: -0.057 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-07-25 21:22:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.08 Mbit/s

95th percentile per-packet one-way delay: 76.355 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 71.066 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 74.256 ms

Loss rate: 0.00%

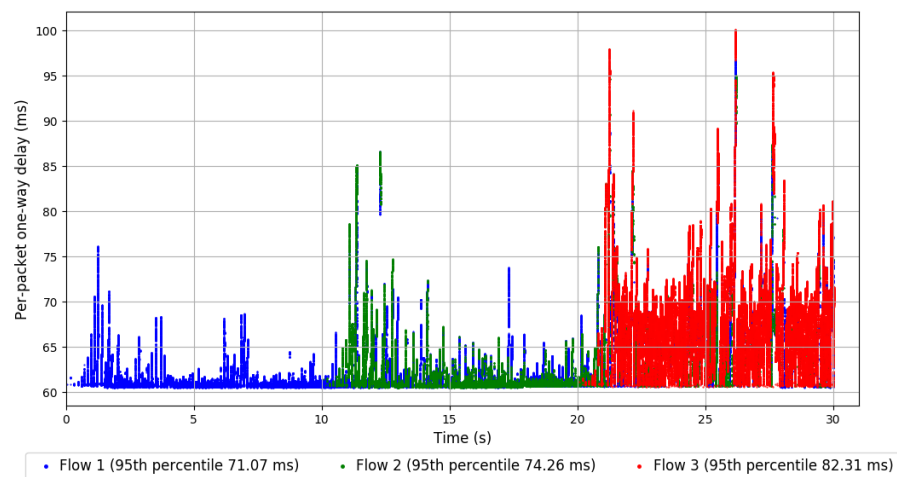
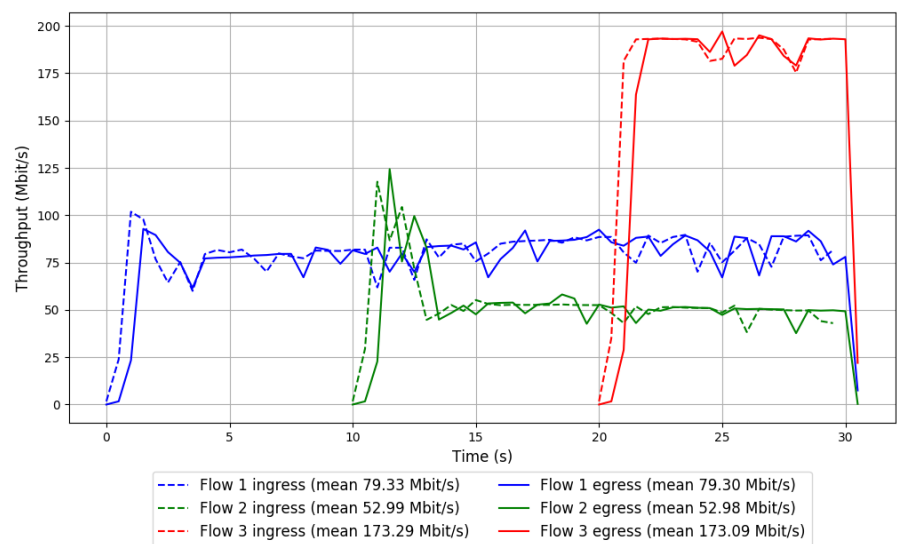
-- Flow 3:

Average throughput: 173.09 Mbit/s

95th percentile per-packet one-way delay: 82.308 ms

Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 16:56:20

End at: 2018-07-25 16:56:50

Local clock offset: -0.103 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-25 21:22:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 192.96 Mbit/s

95th percentile per-packet one-way delay: 72.861 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 70.498 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.05 Mbit/s

95th percentile per-packet one-way delay: 73.352 ms

Loss rate: 0.02%

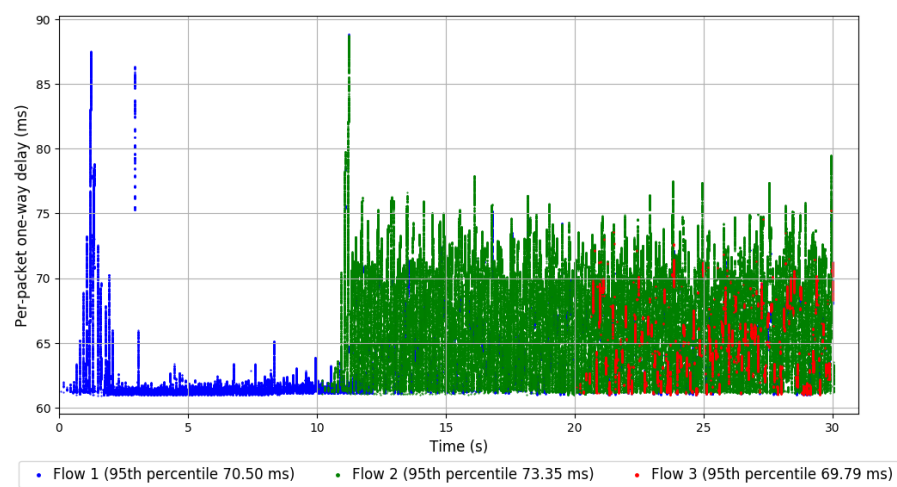
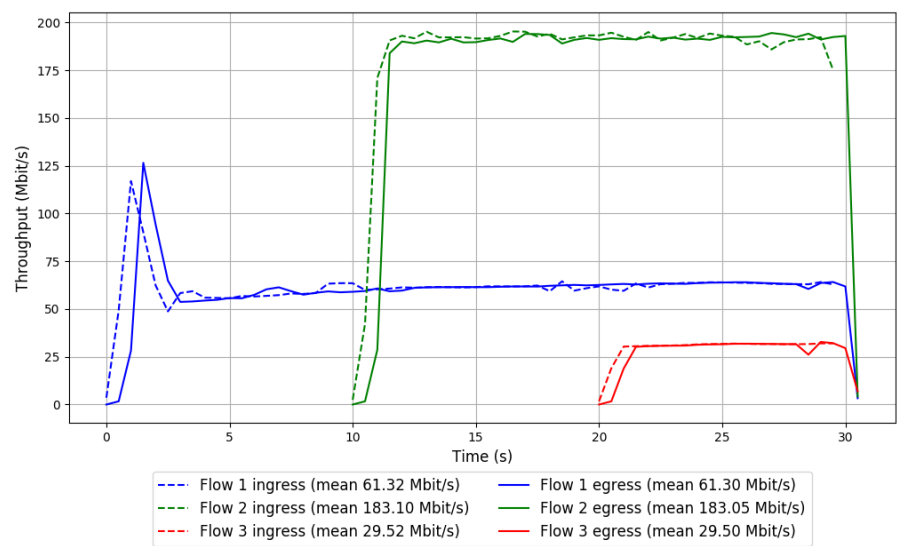
-- Flow 3:

Average throughput: 29.50 Mbit/s

95th percentile per-packet one-way delay: 69.793 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

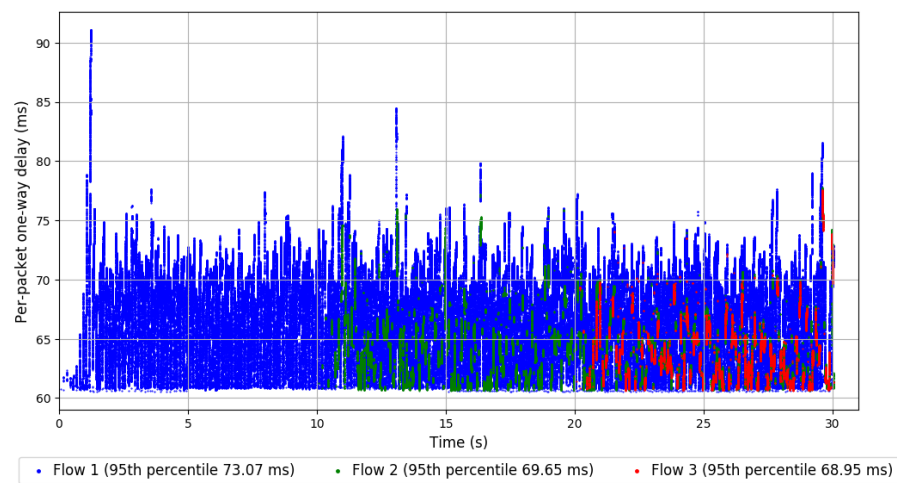
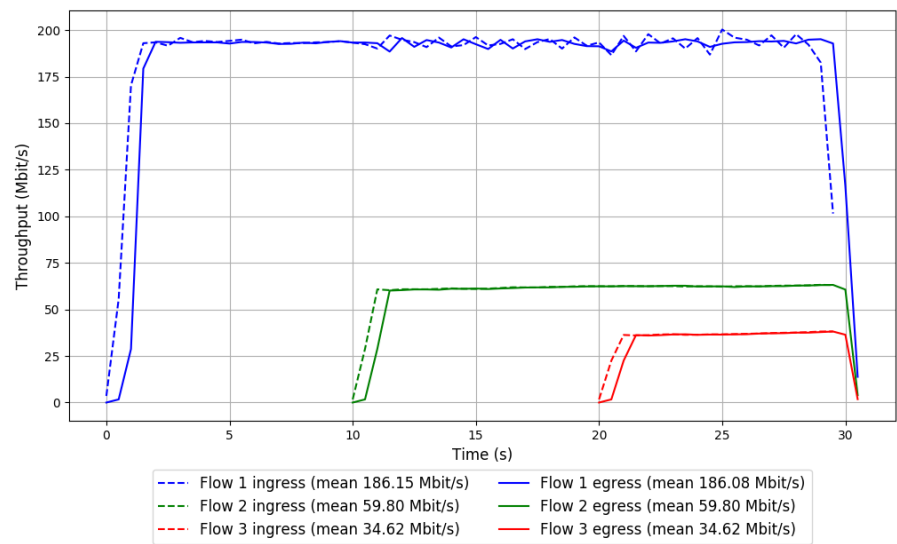


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 17:20:34
End at: 2018-07-25 17:21:04
Local clock offset: -0.004 ms
Remote clock offset: -0.157 ms

```
# Below is generated by plot.py at 2018-07-25 21:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.35 Mbit/s
95th percentile per-packet one-way delay: 72.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.08 Mbit/s
95th percentile per-packet one-way delay: 73.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 69.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 68.951 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 17:44:55

End at: 2018-07-25 17:45:25

Local clock offset: 0.049 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-25 21:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 75.071 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 185.25 Mbit/s

95th percentile per-packet one-way delay: 75.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.10 Mbit/s

95th percentile per-packet one-way delay: 69.502 ms

Loss rate: 0.00%

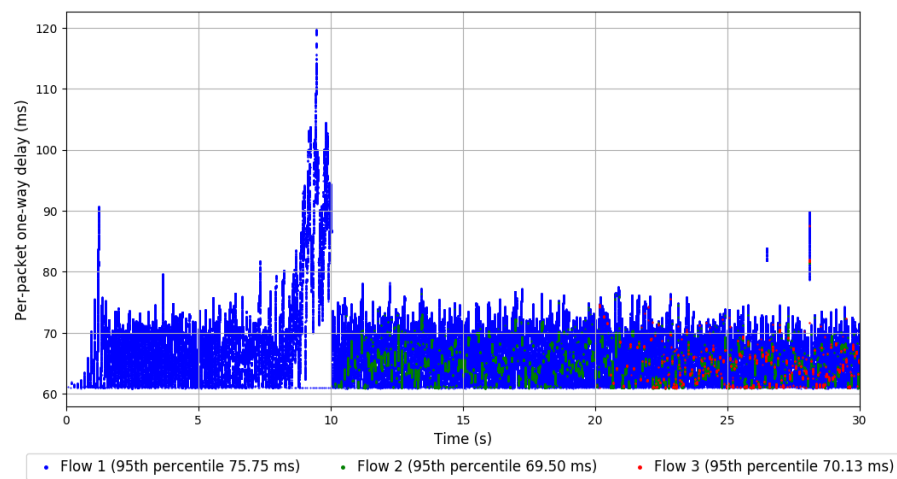
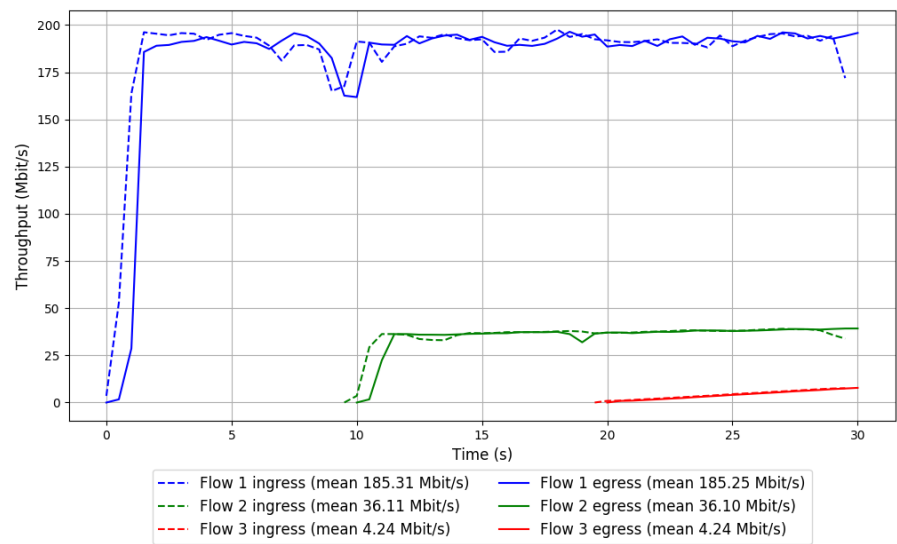
-- Flow 3:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 70.129 ms

Loss rate: 0.03%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 18:09:12

End at: 2018-07-25 18:09:42

Local clock offset: 0.04 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-25 21:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.97 Mbit/s

95th percentile per-packet one-way delay: 66.833 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 115.06 Mbit/s

95th percentile per-packet one-way delay: 65.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 67.149 ms

Loss rate: 0.00%

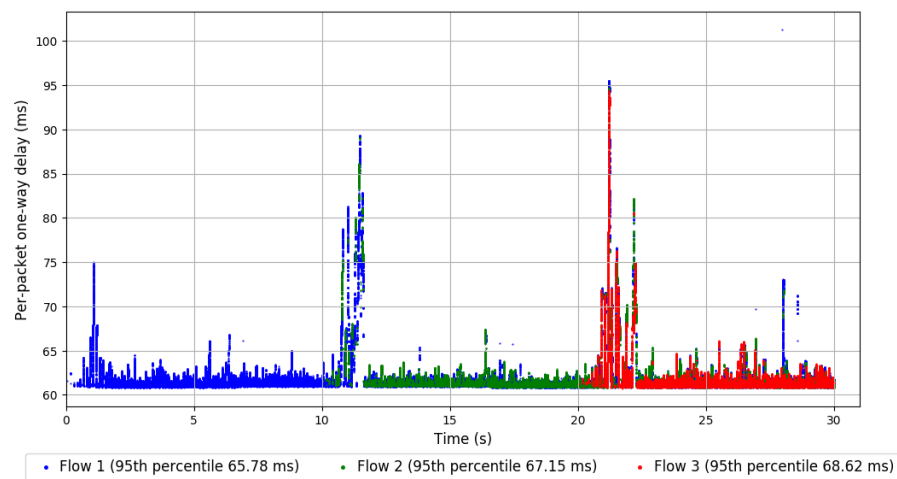
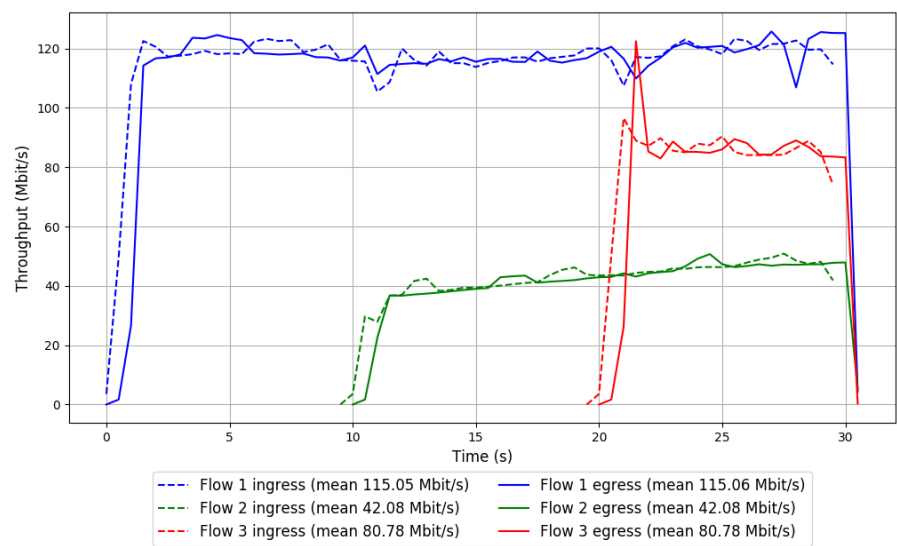
-- Flow 3:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 68.622 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 18:33:26

End at: 2018-07-25 18:33:56

Local clock offset: 0.132 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-25 21:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.90 Mbit/s

95th percentile per-packet one-way delay: 70.481 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 144.08 Mbit/s

95th percentile per-packet one-way delay: 70.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.83 Mbit/s

95th percentile per-packet one-way delay: 70.908 ms

Loss rate: 0.03%

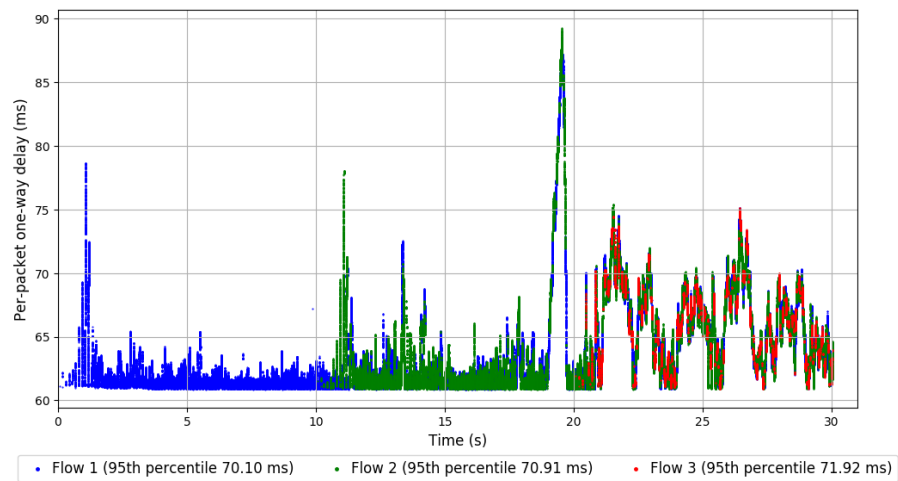
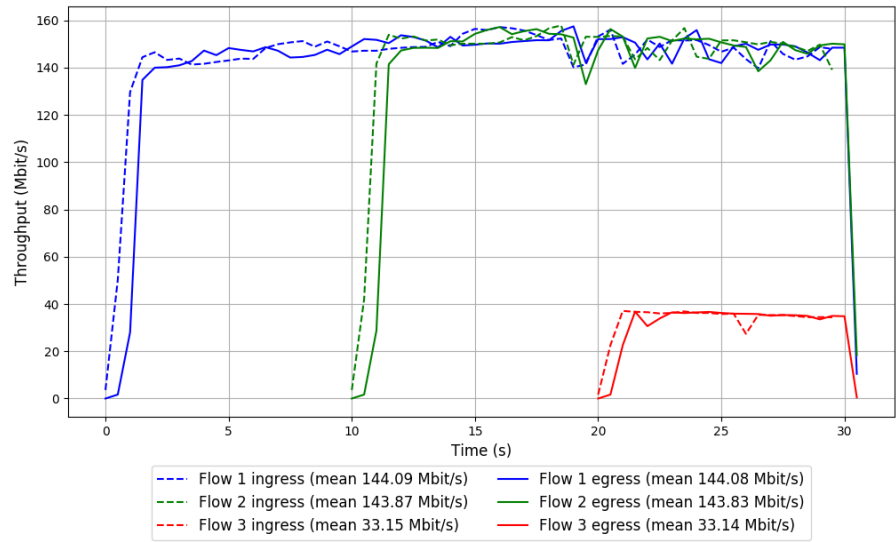
-- Flow 3:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 71.923 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

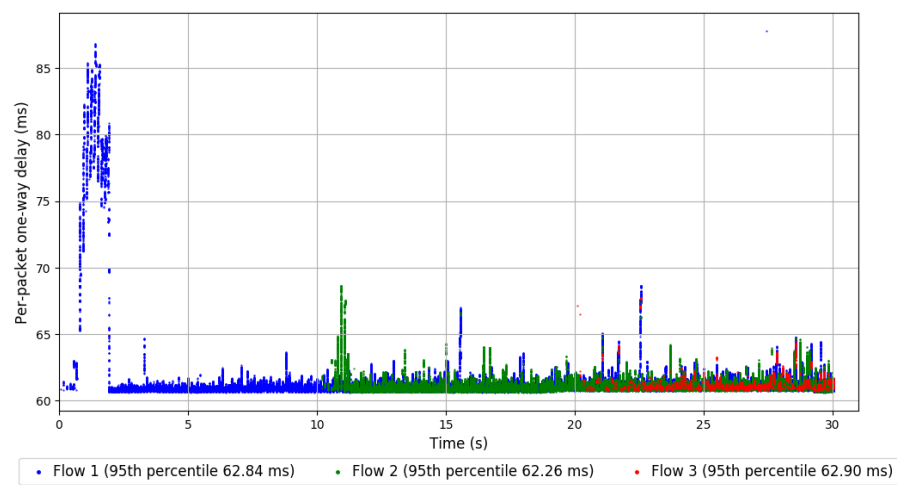
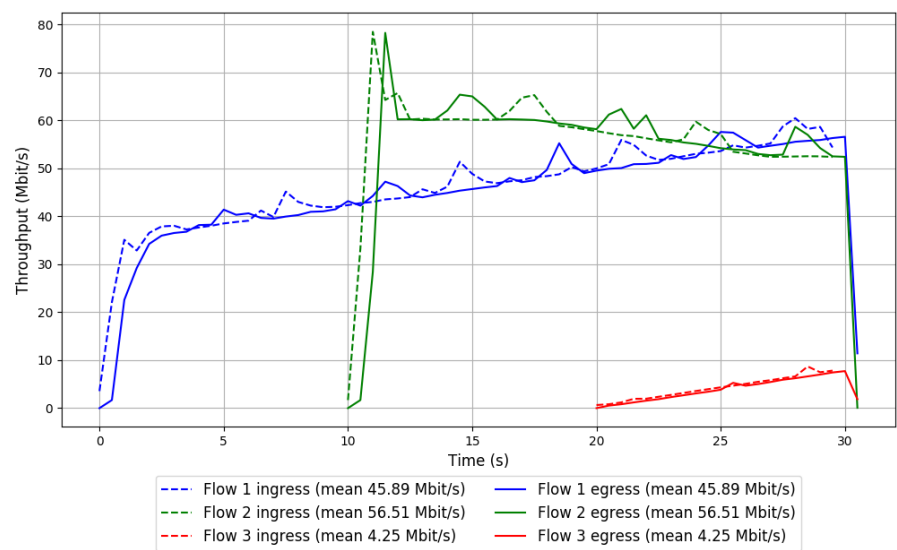


Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 18:57:30
End at: 2018-07-25 18:58:00
Local clock offset: 0.169 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-25 21:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 62.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 62.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 62.897 ms
Loss rate: 0.14%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 15:07:25

End at: 2018-07-25 15:07:55

Local clock offset: -0.117 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-25 21:27:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.65 Mbit/s

95th percentile per-packet one-way delay: 165.128 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 175.83 Mbit/s

95th percentile per-packet one-way delay: 162.820 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 130.65 Mbit/s

95th percentile per-packet one-way delay: 157.551 ms

Loss rate: 0.40%

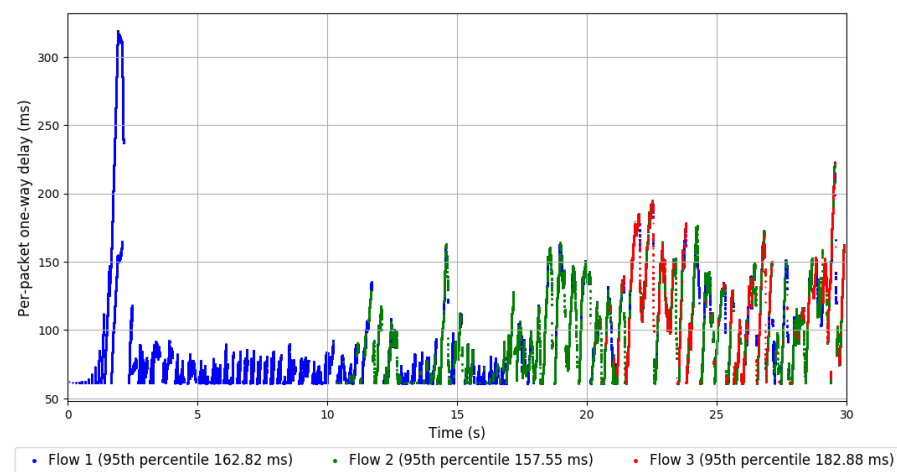
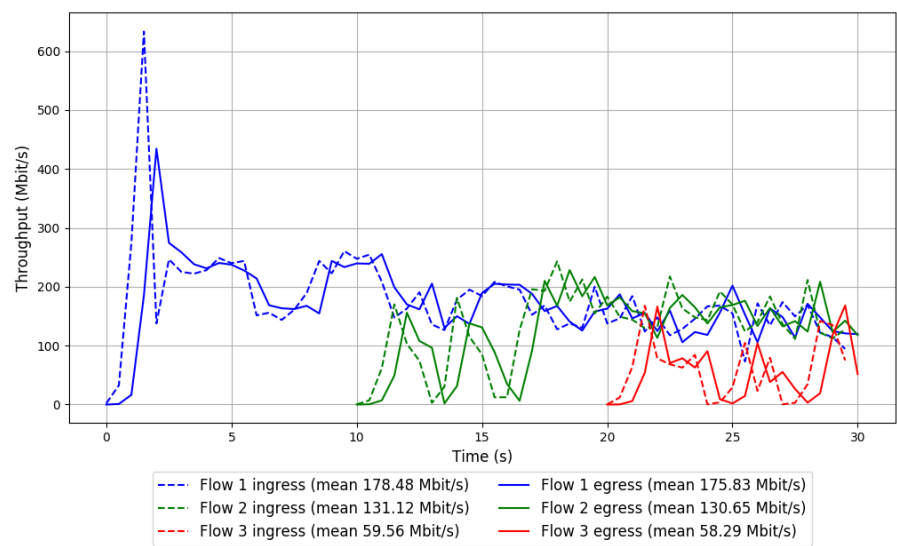
-- Flow 3:

Average throughput: 58.29 Mbit/s

95th percentile per-packet one-way delay: 182.877 ms

Loss rate: 2.47%

Run 1: Report of Verus — Data Link

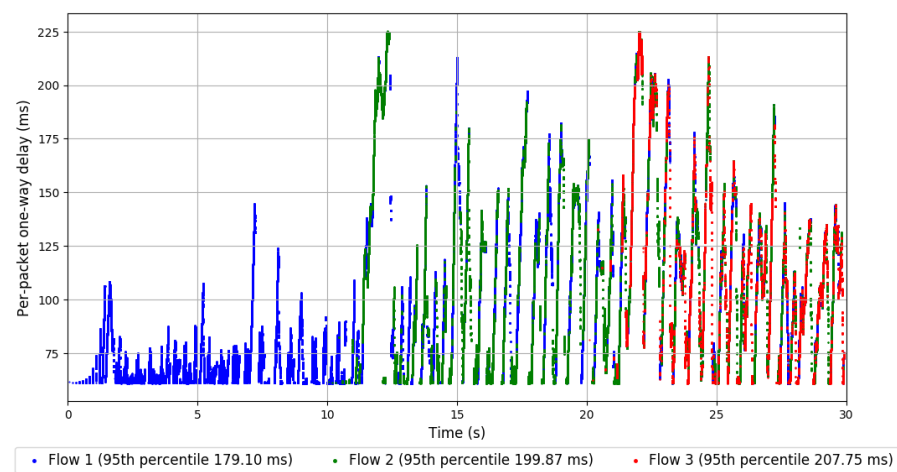
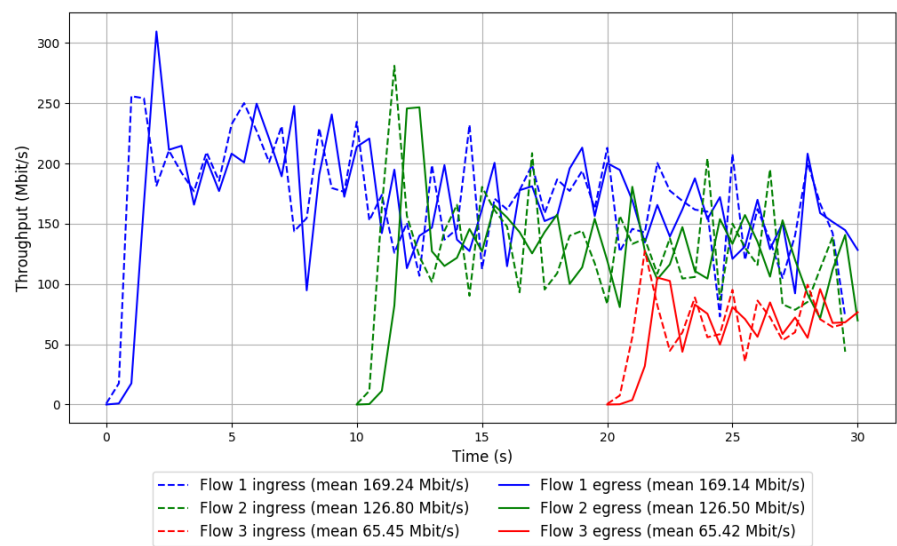


Run 2: Statistics of Verus

Start at: 2018-07-25 15:31:35
End at: 2018-07-25 15:32:05
Local clock offset: -0.032 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 21:27:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 274.66 Mbit/s
95th percentile per-packet one-way delay: 192.707 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 179.104 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 126.50 Mbit/s
95th percentile per-packet one-way delay: 199.869 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 207.748 ms
Loss rate: 0.27%

Run 2: Report of Verus — Data Link

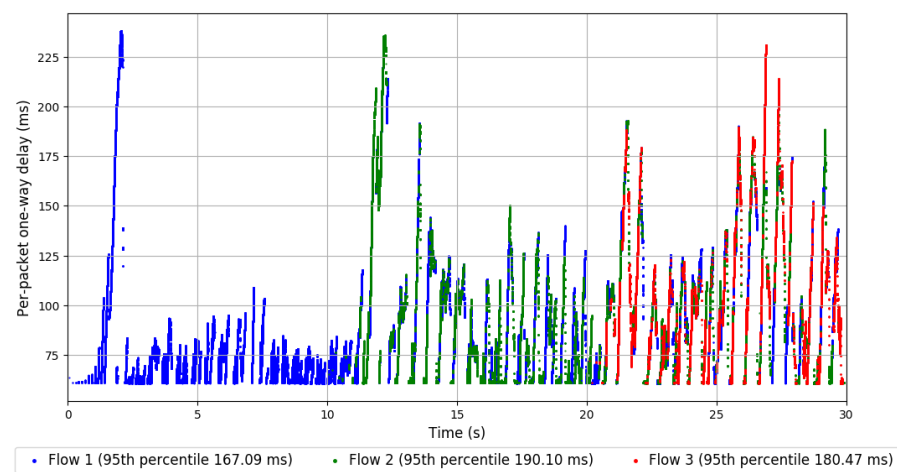
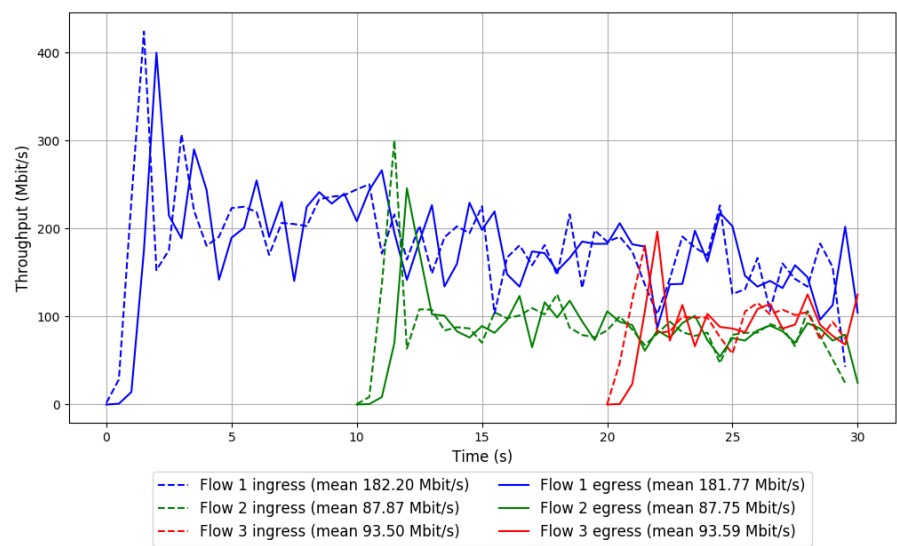


Run 3: Statistics of Verus

Start at: 2018-07-25 15:55:47
End at: 2018-07-25 15:56:17
Local clock offset: -0.093 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-25 21:27:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.83 Mbit/s
95th percentile per-packet one-way delay: 177.639 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 181.77 Mbit/s
95th percentile per-packet one-way delay: 167.089 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 190.104 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 180.465 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

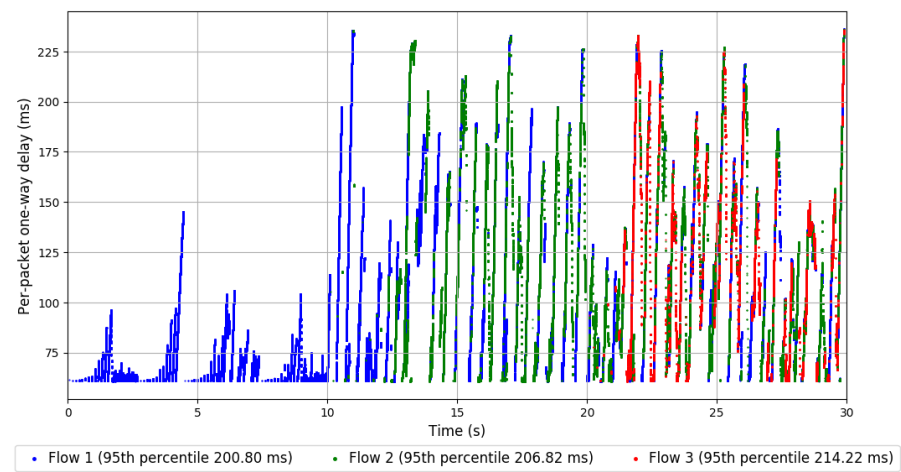
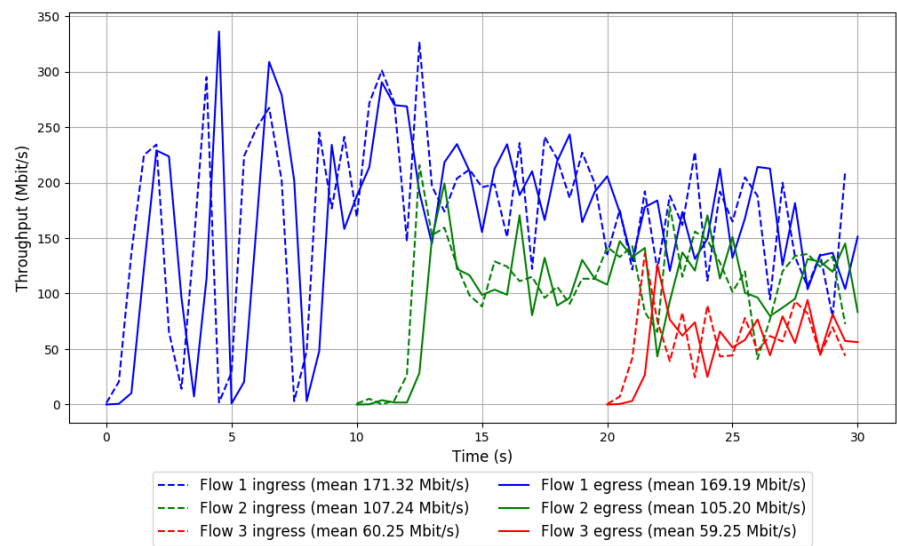


Run 4: Statistics of Verus

Start at: 2018-07-25 16:19:37
End at: 2018-07-25 16:20:07
Local clock offset: 0.001 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-25 21:27:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.40 Mbit/s
95th percentile per-packet one-way delay: 204.658 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 169.19 Mbit/s
95th percentile per-packet one-way delay: 200.796 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 105.20 Mbit/s
95th percentile per-packet one-way delay: 206.824 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 214.224 ms
Loss rate: 0.21%

Run 4: Report of Verus — Data Link

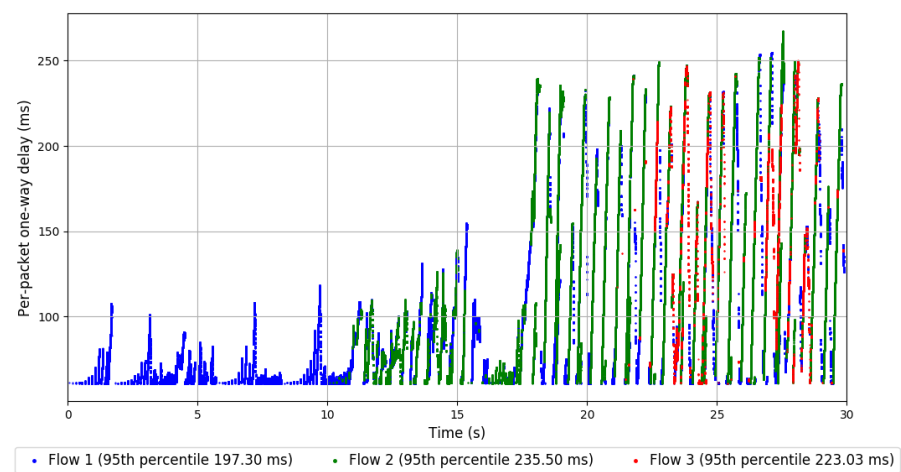
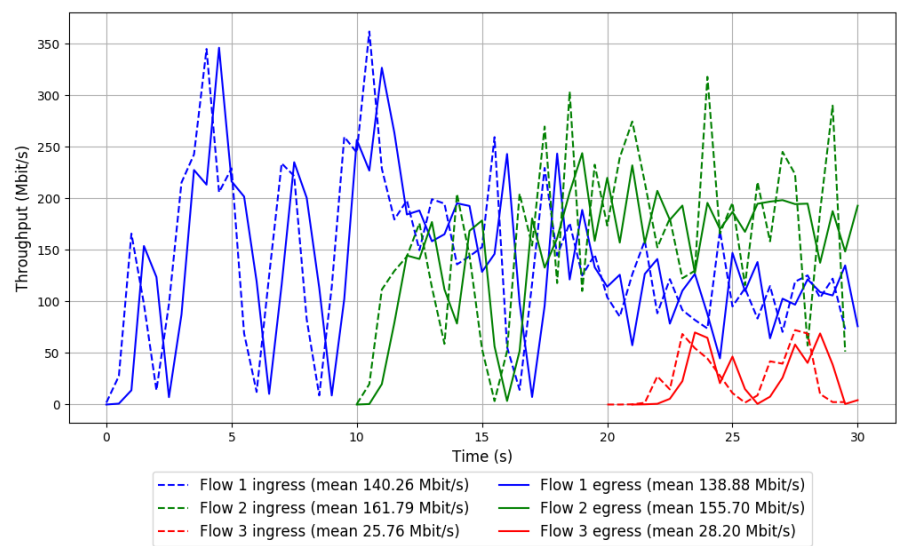


Run 5: Statistics of Verus

Start at: 2018-07-25 16:43:28
End at: 2018-07-25 16:43:58
Local clock offset: -0.121 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-25 21:28:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.97 Mbit/s
95th percentile per-packet one-way delay: 227.191 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 138.88 Mbit/s
95th percentile per-packet one-way delay: 197.303 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 155.70 Mbit/s
95th percentile per-packet one-way delay: 235.496 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 28.20 Mbit/s
95th percentile per-packet one-way delay: 223.029 ms
Loss rate: 1.57%

Run 5: Report of Verus — Data Link

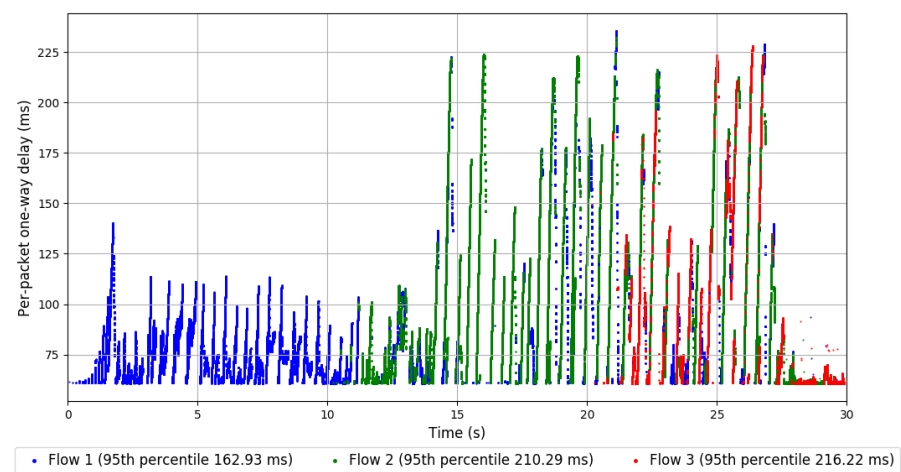
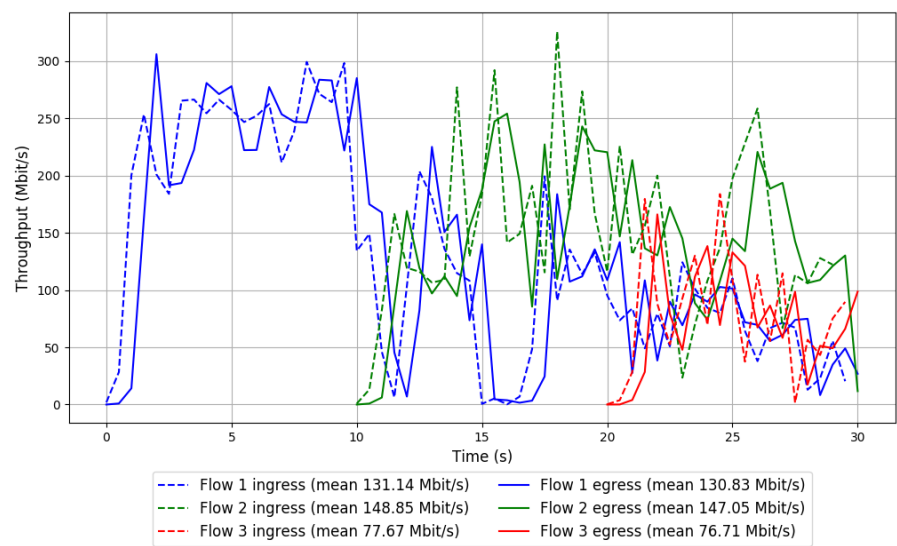


Run 6: Statistics of Verus

Start at: 2018-07-25 17:07:44
End at: 2018-07-25 17:08:14
Local clock offset: -0.009 ms
Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 21:28:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.24 Mbit/s
95th percentile per-packet one-way delay: 201.229 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 130.83 Mbit/s
95th percentile per-packet one-way delay: 162.929 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 147.05 Mbit/s
95th percentile per-packet one-way delay: 210.286 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 216.217 ms
Loss rate: 2.15%

Run 6: Report of Verus — Data Link

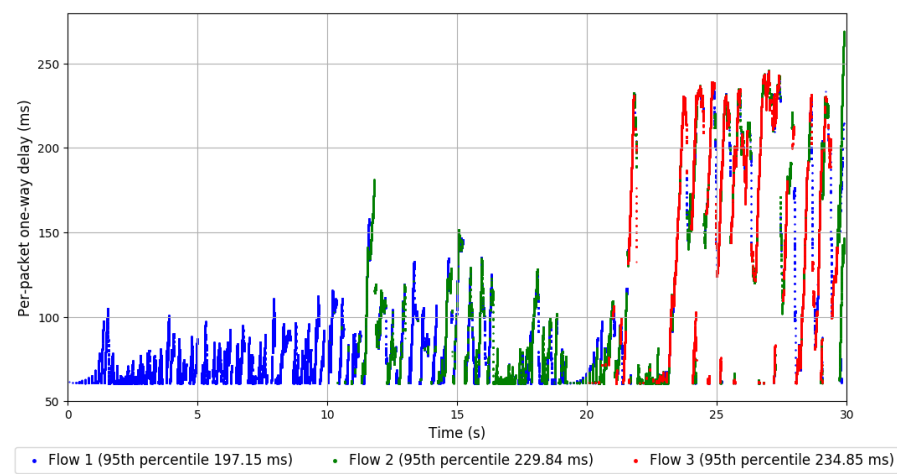
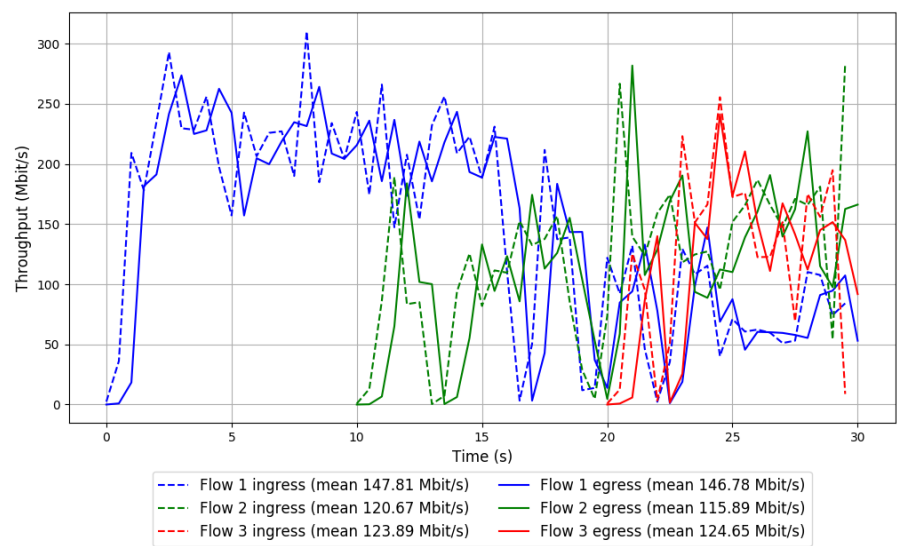


Run 7: Statistics of Verus

Start at: 2018-07-25 17:32:02
End at: 2018-07-25 17:32:32
Local clock offset: 0.0 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-25 21:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.62 Mbit/s
95th percentile per-packet one-way delay: 227.692 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 146.78 Mbit/s
95th percentile per-packet one-way delay: 197.150 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 115.89 Mbit/s
95th percentile per-packet one-way delay: 229.844 ms
Loss rate: 3.67%
-- Flow 3:
Average throughput: 124.65 Mbit/s
95th percentile per-packet one-way delay: 234.853 ms
Loss rate: 2.09%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-25 17:56:17

End at: 2018-07-25 17:56:47

Local clock offset: 0.015 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-25 21:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.29 Mbit/s

95th percentile per-packet one-way delay: 179.962 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 202.78 Mbit/s

95th percentile per-packet one-way delay: 161.430 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 80.50 Mbit/s

95th percentile per-packet one-way delay: 186.905 ms

Loss rate: 0.05%

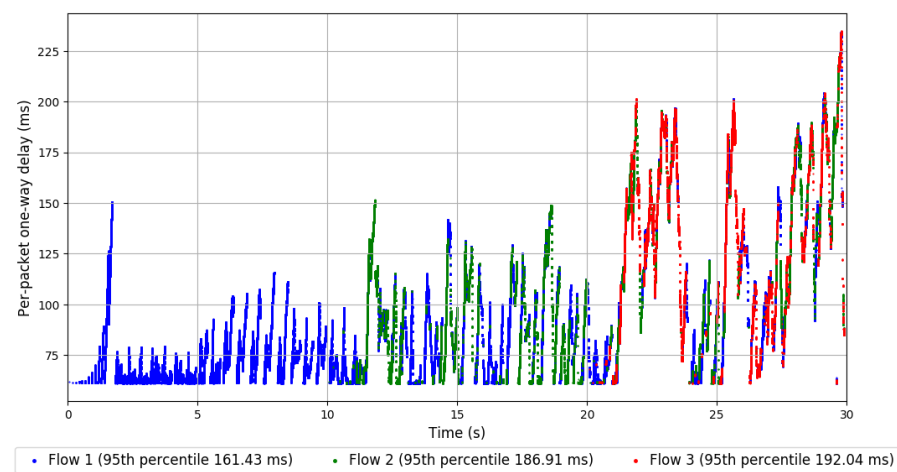
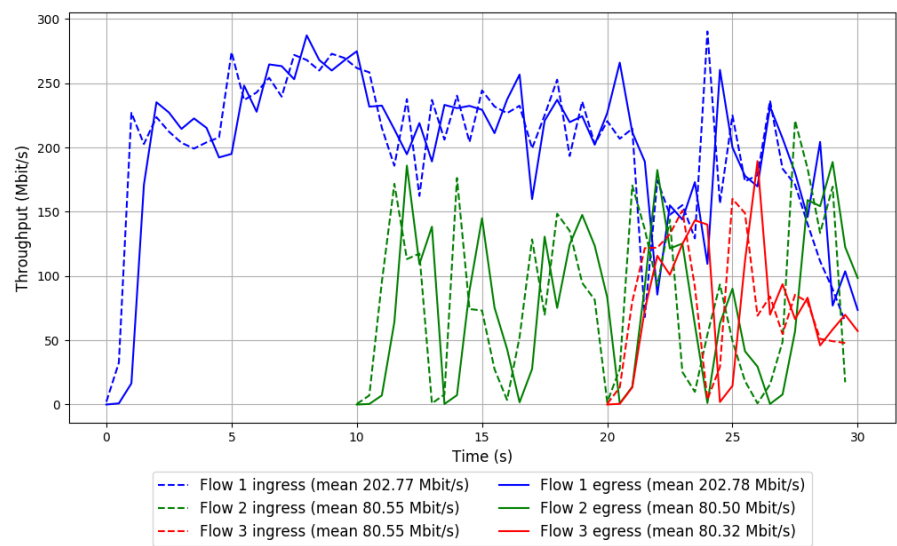
-- Flow 3:

Average throughput: 80.32 Mbit/s

95th percentile per-packet one-way delay: 192.038 ms

Loss rate: 0.10%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-25 18:20:22

End at: 2018-07-25 18:20:52

Local clock offset: 0.075 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-25 21:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.81 Mbit/s

95th percentile per-packet one-way delay: 182.256 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 200.22 Mbit/s

95th percentile per-packet one-way delay: 174.202 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 102.32 Mbit/s

95th percentile per-packet one-way delay: 191.956 ms

Loss rate: 0.19%

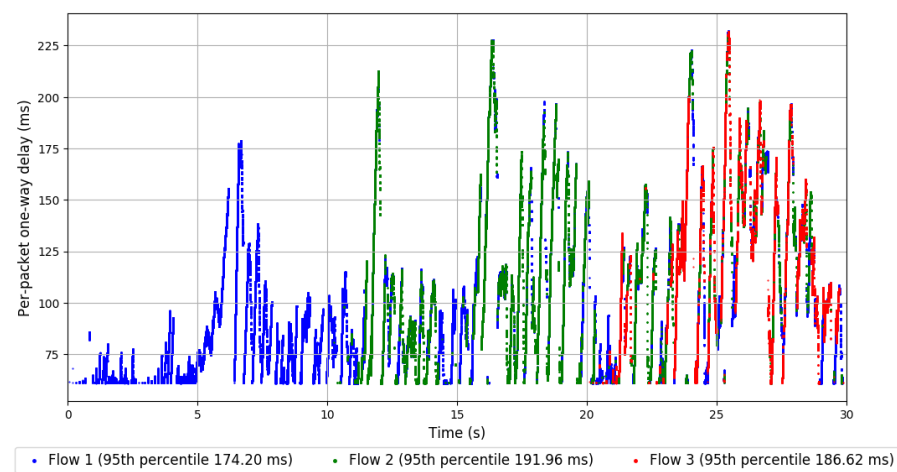
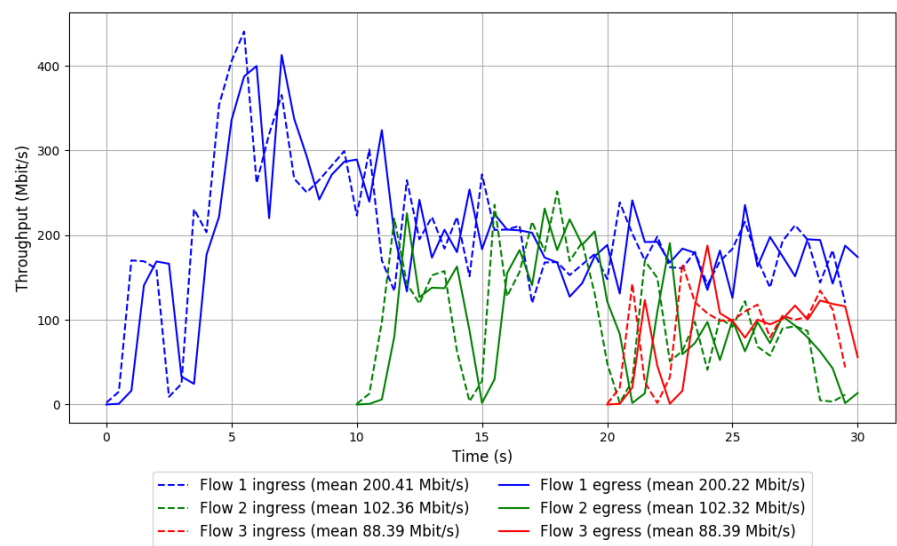
-- Flow 3:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 186.621 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

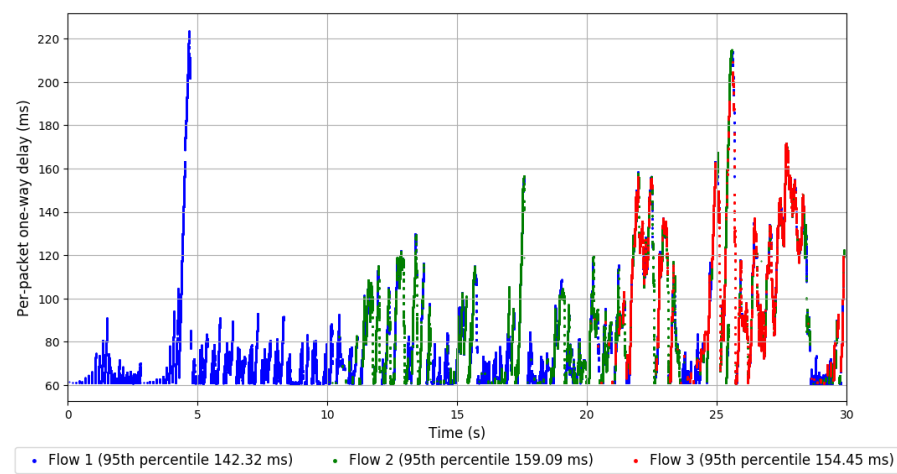
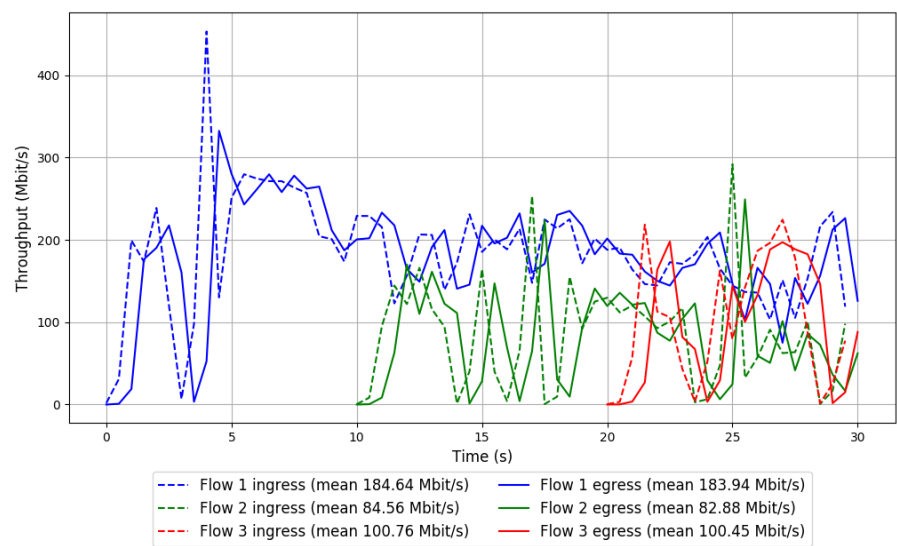


Run 10: Statistics of Verus

Start at: 2018-07-25 18:44:44
End at: 2018-07-25 18:45:14
Local clock offset: 0.147 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 21:33:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.86 Mbit/s
95th percentile per-packet one-way delay: 151.660 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 183.94 Mbit/s
95th percentile per-packet one-way delay: 142.316 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 159.092 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 100.45 Mbit/s
95th percentile per-packet one-way delay: 154.451 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 15:08:55

End at: 2018-07-25 15:09:25

Local clock offset: -0.122 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-25 21:33:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.02 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 255.83 Mbit/s

95th percentile per-packet one-way delay: 64.456 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 61.399 ms

Loss rate: 0.00%

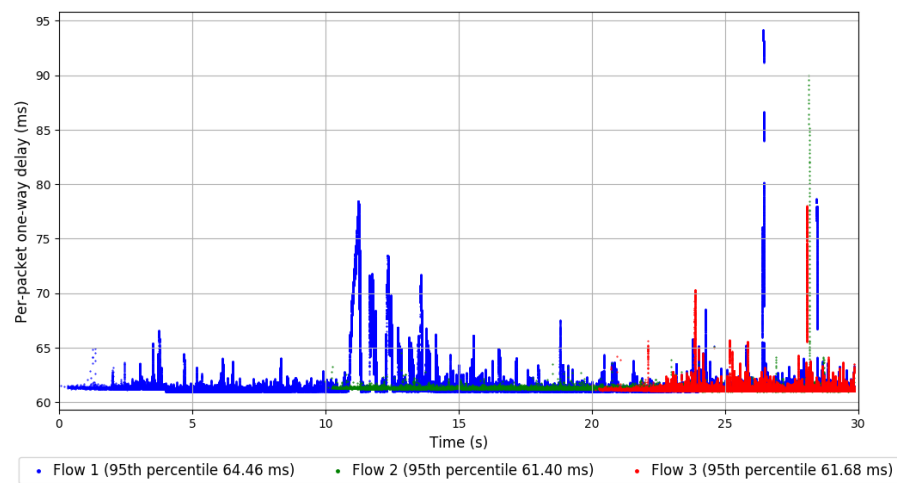
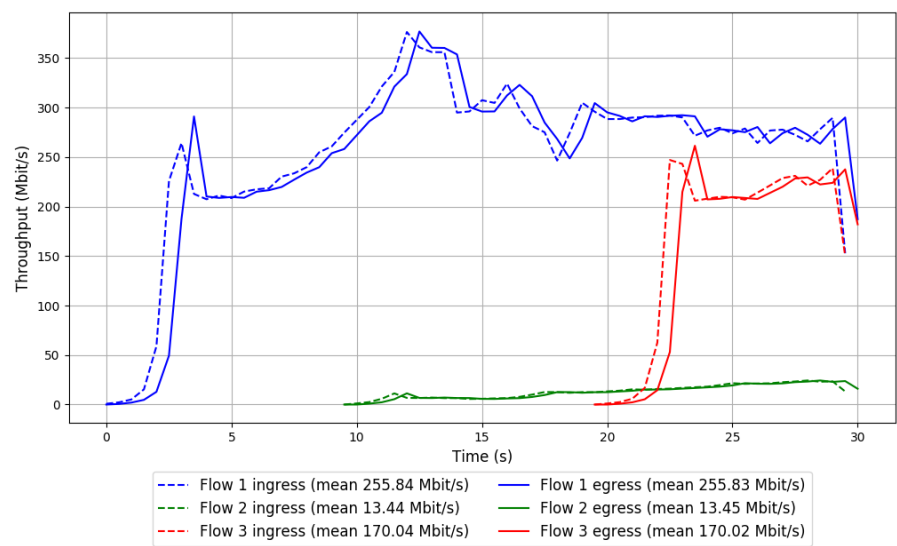
-- Flow 3:

Average throughput: 170.02 Mbit/s

95th percentile per-packet one-way delay: 61.681 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

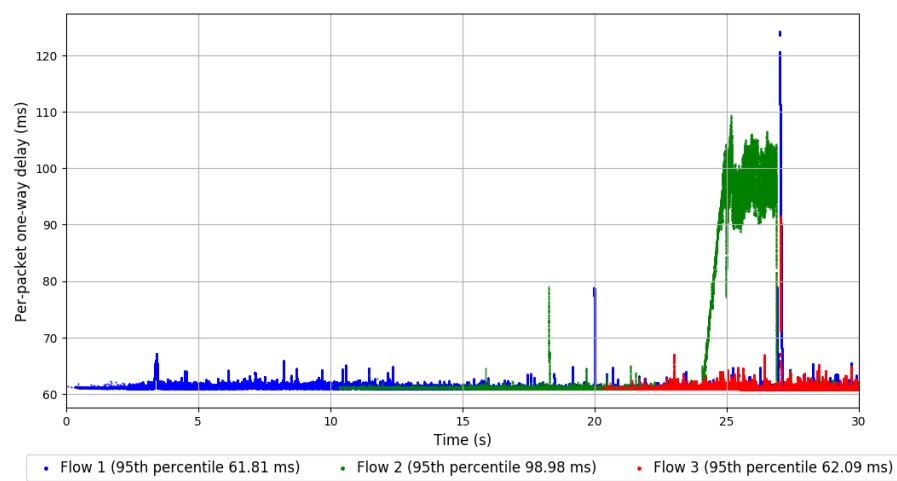
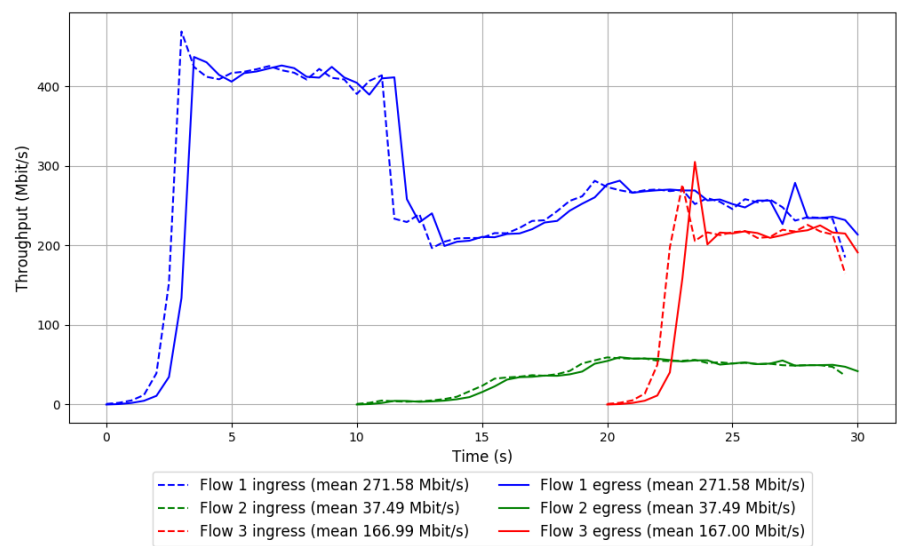


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 15:33:03
End at: 2018-07-25 15:33:33
Local clock offset: -0.091 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-25 21:34:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.62 Mbit/s
95th percentile per-packet one-way delay: 62.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.58 Mbit/s
95th percentile per-packet one-way delay: 61.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 98.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.00 Mbit/s
95th percentile per-packet one-way delay: 62.089 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 15:57:16

End at: 2018-07-25 15:57:46

Local clock offset: -0.059 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-25 21:34:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.50 Mbit/s

95th percentile per-packet one-way delay: 61.254 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 61.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.08 Mbit/s

95th percentile per-packet one-way delay: 61.198 ms

Loss rate: 0.06%

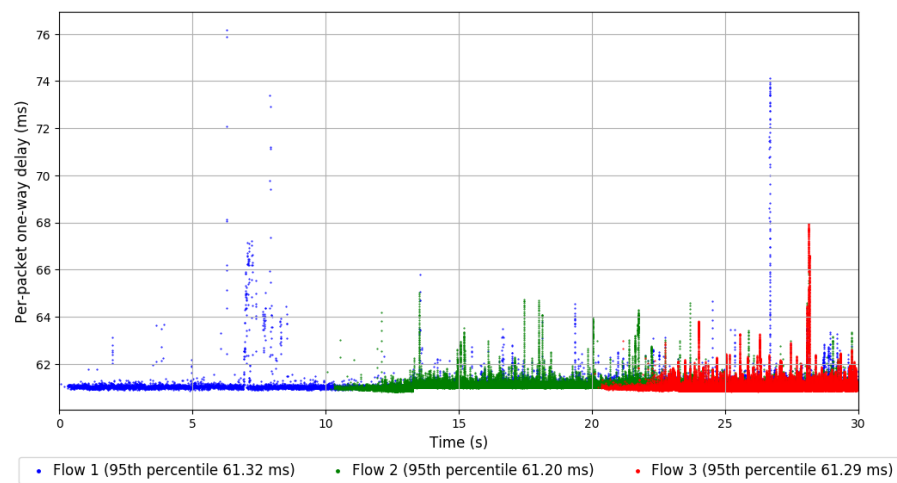
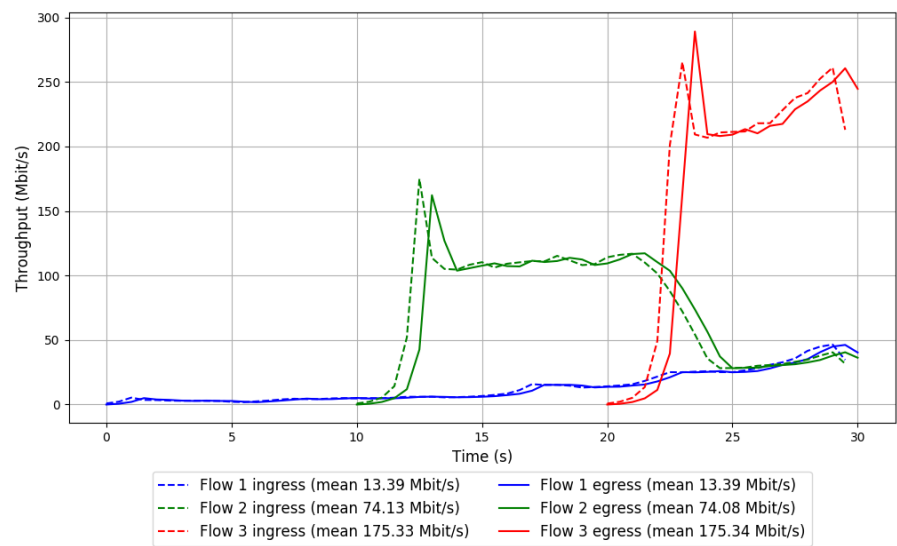
-- Flow 3:

Average throughput: 175.34 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 16:21:05

End at: 2018-07-25 16:21:35

Local clock offset: -0.081 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-25 21:34:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 259.49 Mbit/s

95th percentile per-packet one-way delay: 105.736 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 222.34 Mbit/s

95th percentile per-packet one-way delay: 108.715 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 61.214 ms

Loss rate: 0.00%

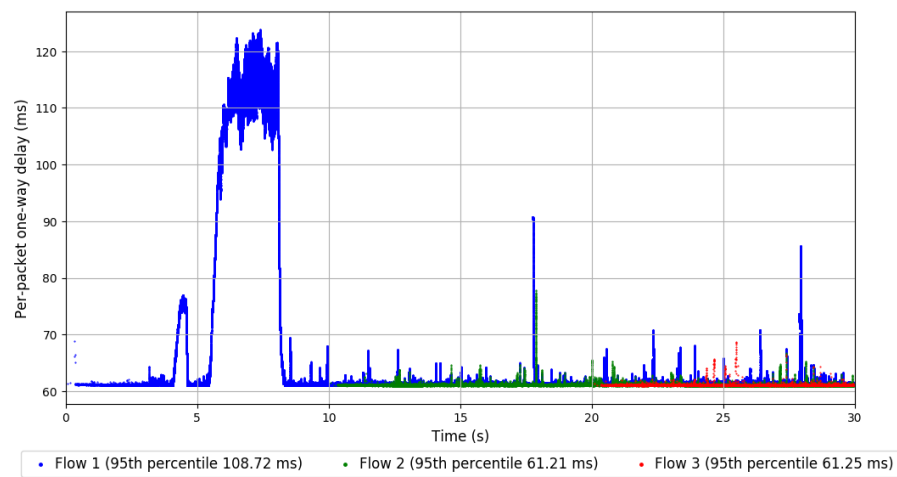
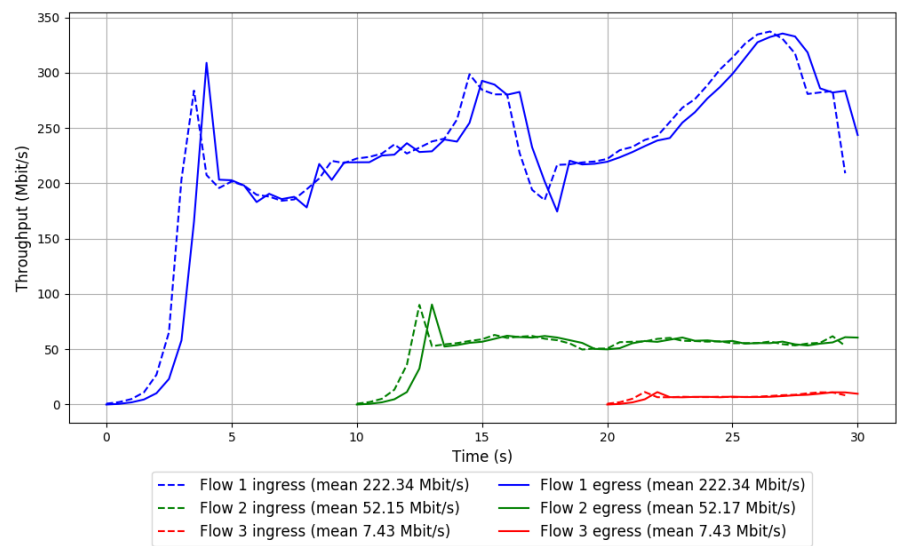
-- Flow 3:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 61.251 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

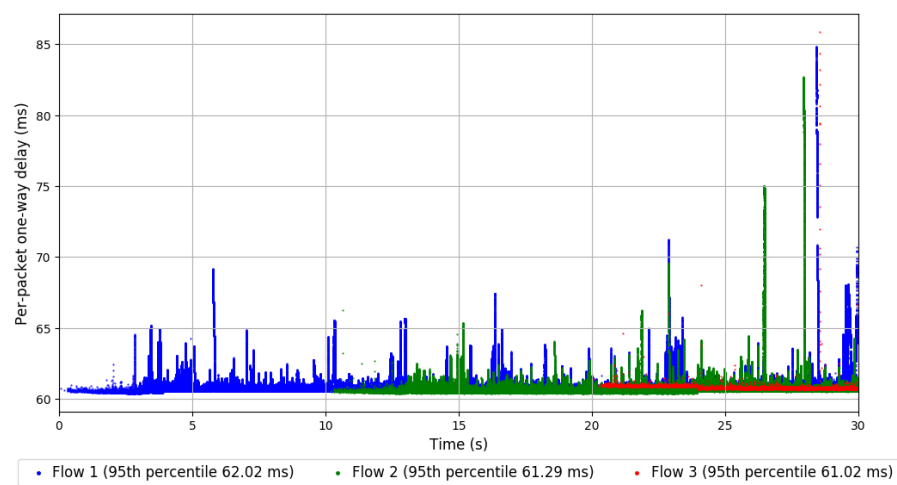
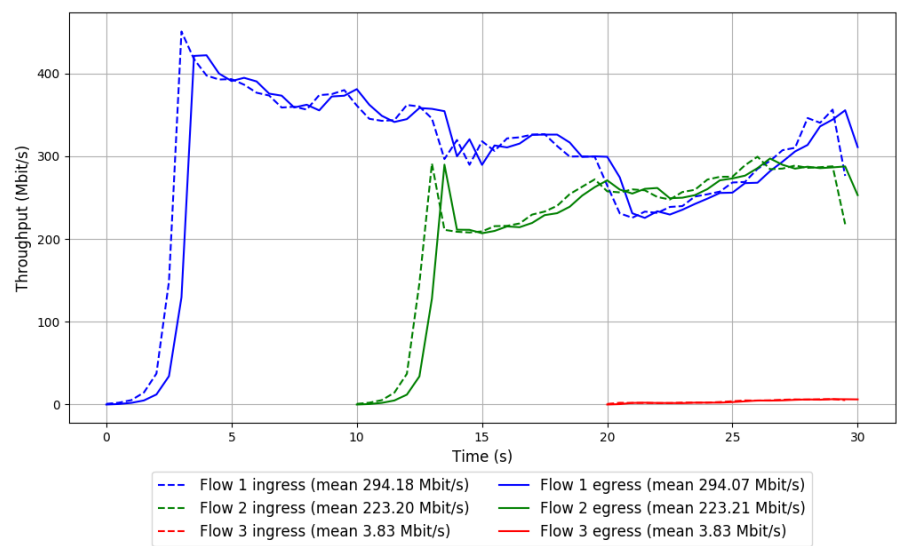


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 16:44:55
End at: 2018-07-25 16:45:25
Local clock offset: -0.078 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-25 21:36:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.70 Mbit/s
95th percentile per-packet one-way delay: 61.711 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 294.07 Mbit/s
95th percentile per-packet one-way delay: 62.020 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 223.21 Mbit/s
95th percentile per-packet one-way delay: 61.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 61.019 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

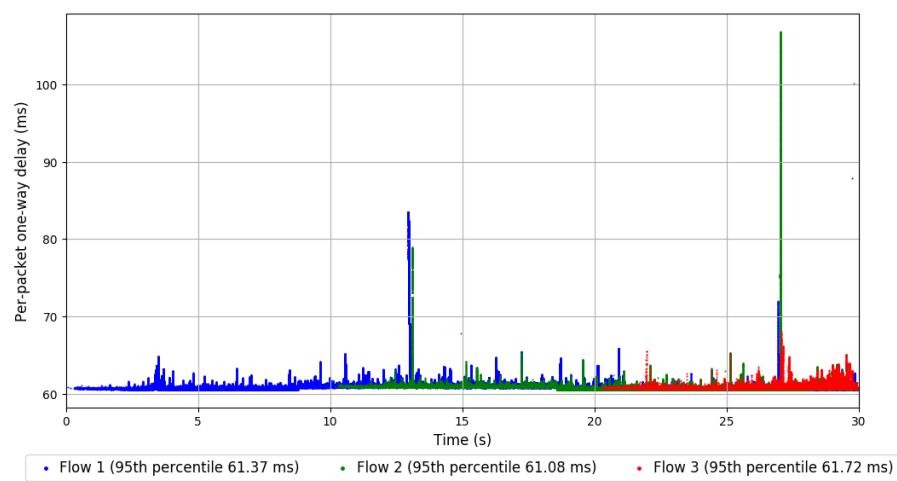
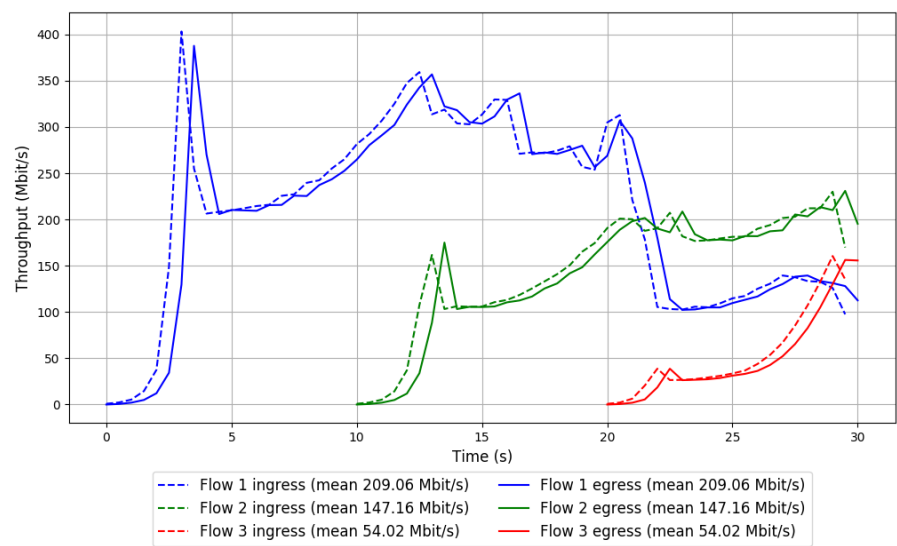


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 17:09:10
End at: 2018-07-25 17:09:40
Local clock offset: -0.031 ms
Remote clock offset: -0.138 ms

```
# Below is generated by plot.py at 2018-07-25 21:36:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.74 Mbit/s
95th percentile per-packet one-way delay: 61.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.06 Mbit/s
95th percentile per-packet one-way delay: 61.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.16 Mbit/s
95th percentile per-packet one-way delay: 61.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 17:33:29

End at: 2018-07-25 17:33:59

Local clock offset: 0.061 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-25 21:37:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.03 Mbit/s

95th percentile per-packet one-way delay: 108.778 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 257.22 Mbit/s

95th percentile per-packet one-way delay: 61.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 205.94 Mbit/s

95th percentile per-packet one-way delay: 114.038 ms

Loss rate: 0.04%

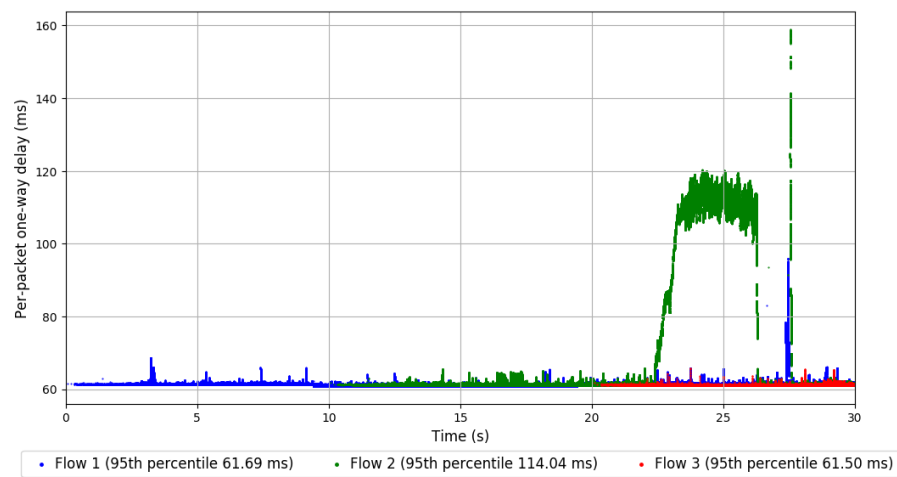
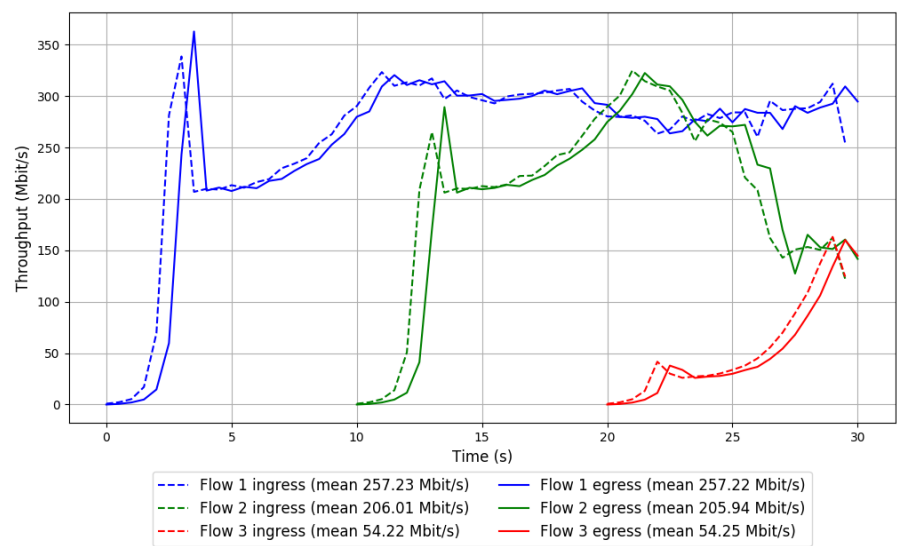
-- Flow 3:

Average throughput: 54.25 Mbit/s

95th percentile per-packet one-way delay: 61.499 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 17:57:46

End at: 2018-07-25 17:58:16

Local clock offset: 0.056 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-25 21:38:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.97 Mbit/s

95th percentile per-packet one-way delay: 61.620 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 241.48 Mbit/s

95th percentile per-packet one-way delay: 62.202 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 202.44 Mbit/s

95th percentile per-packet one-way delay: 61.052 ms

Loss rate: 0.00%

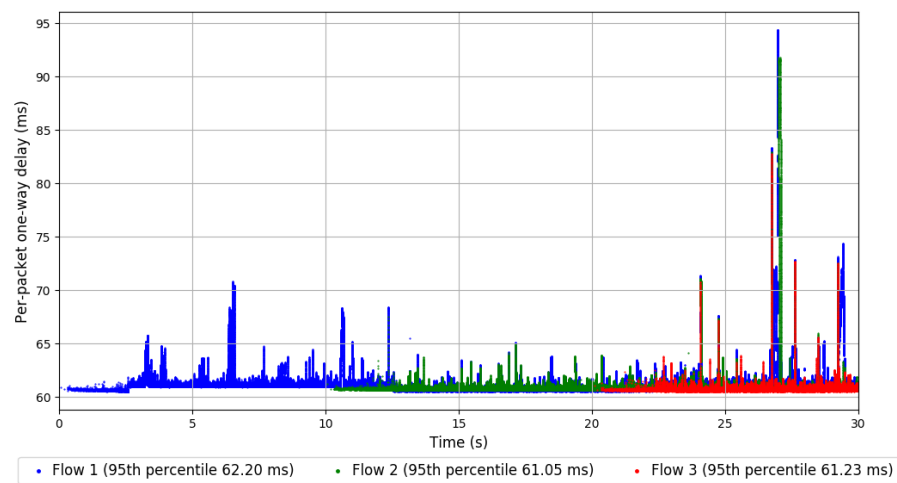
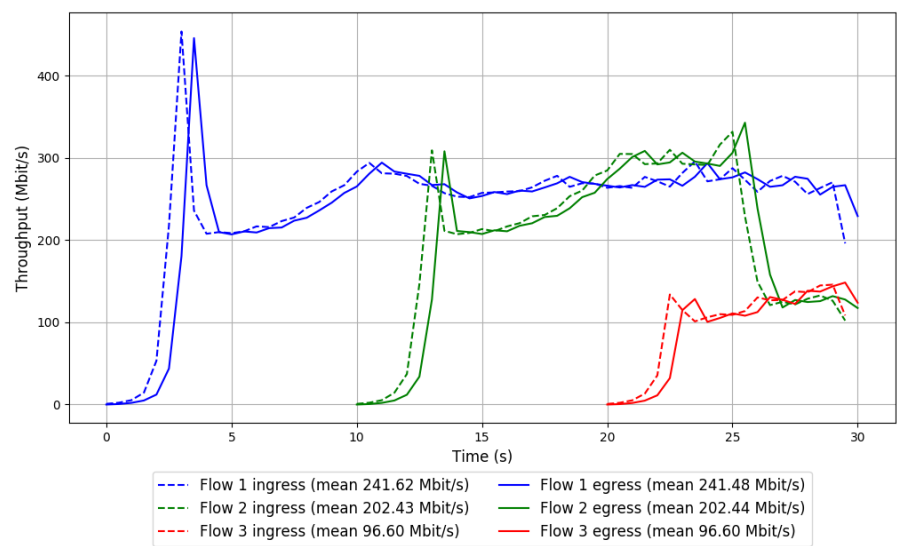
-- Flow 3:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 61.226 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 18:21:52

End at: 2018-07-25 18:22:22

Local clock offset: 0.089 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.45 Mbit/s

95th percentile per-packet one-way delay: 63.466 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 273.34 Mbit/s

95th percentile per-packet one-way delay: 61.572 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 209.28 Mbit/s

95th percentile per-packet one-way delay: 69.594 ms

Loss rate: 0.00%

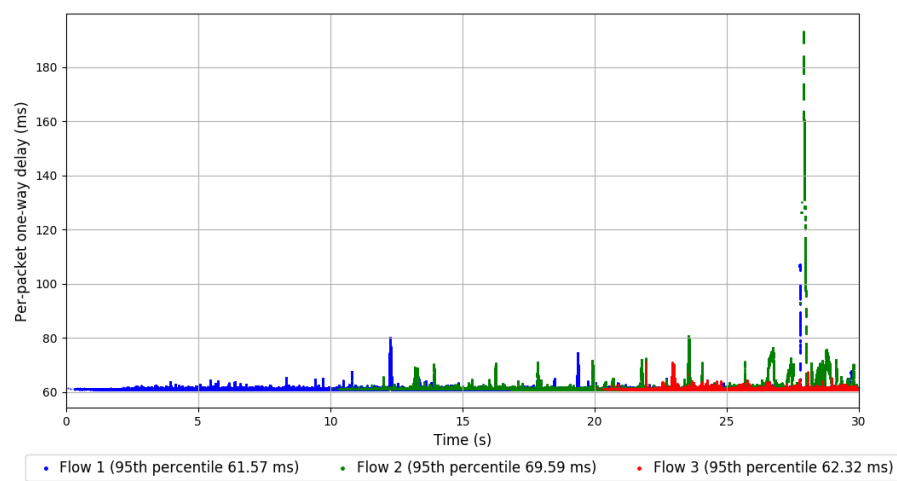
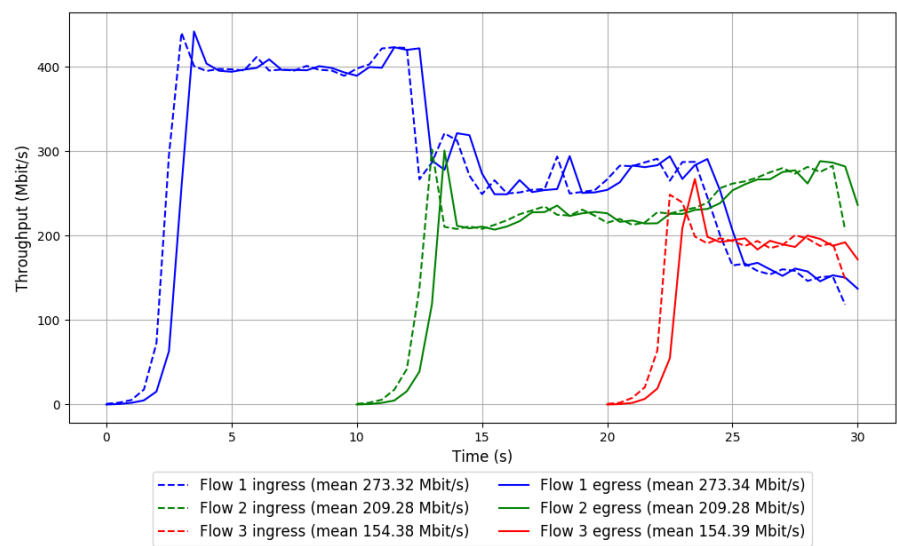
-- Flow 3:

Average throughput: 154.39 Mbit/s

95th percentile per-packet one-way delay: 62.323 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

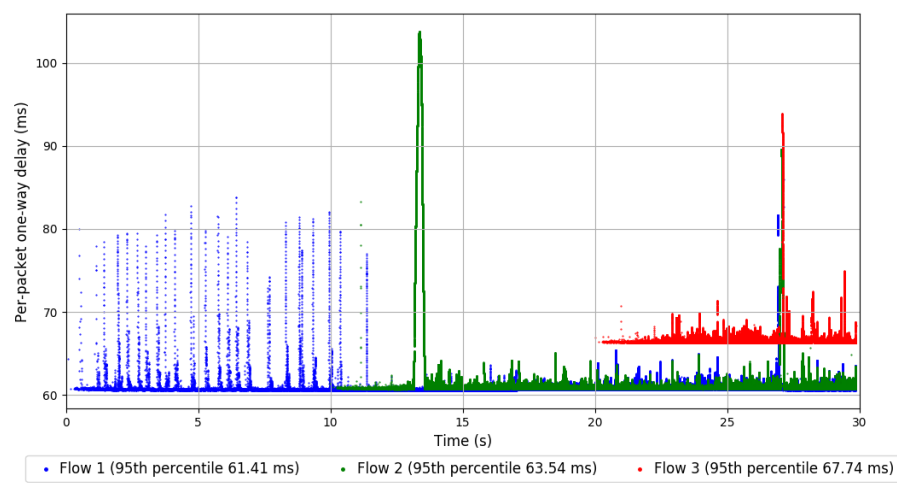
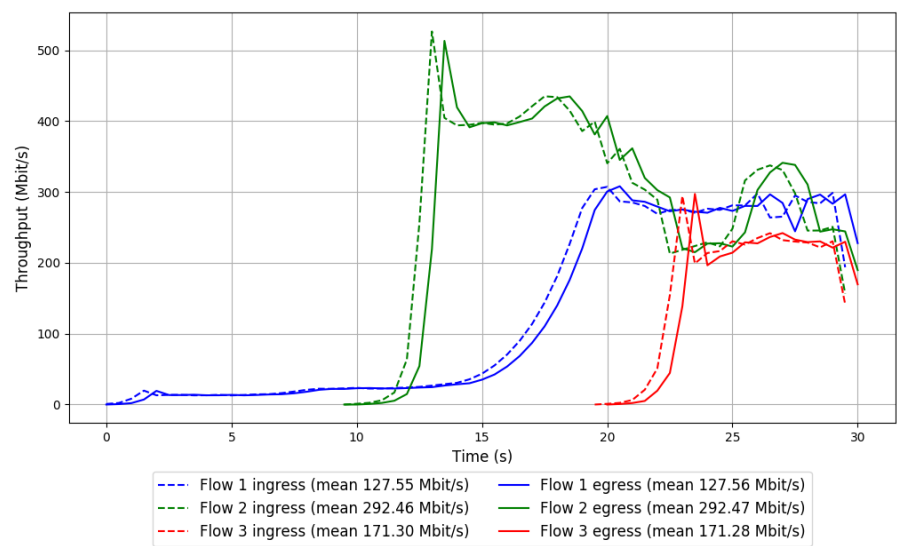


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 18:46:12
End at: 2018-07-25 18:46:42
Local clock offset: 0.143 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-25 21:38:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.19 Mbit/s
95th percentile per-packet one-way delay: 66.651 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 127.56 Mbit/s
95th percentile per-packet one-way delay: 61.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 292.47 Mbit/s
95th percentile per-packet one-way delay: 63.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.28 Mbit/s
95th percentile per-packet one-way delay: 67.736 ms
Loss rate: 0.05%

Run 10: Report of PCC-Vivace — Data Link

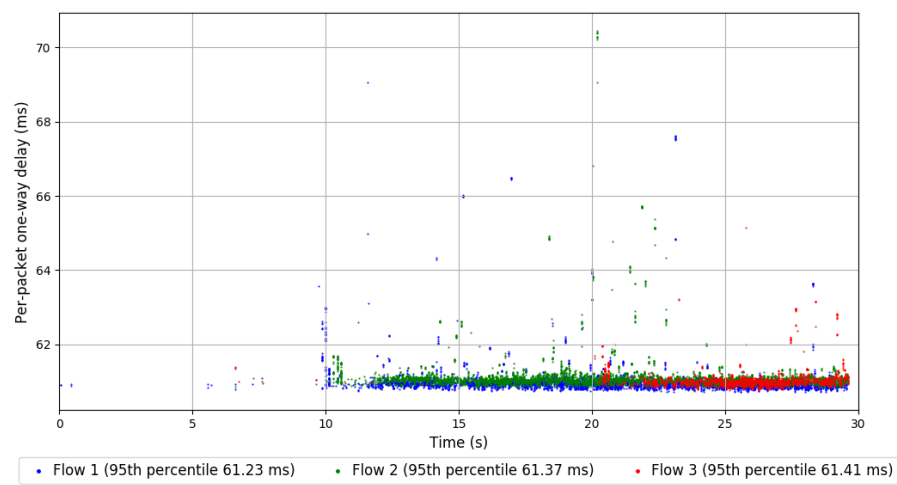
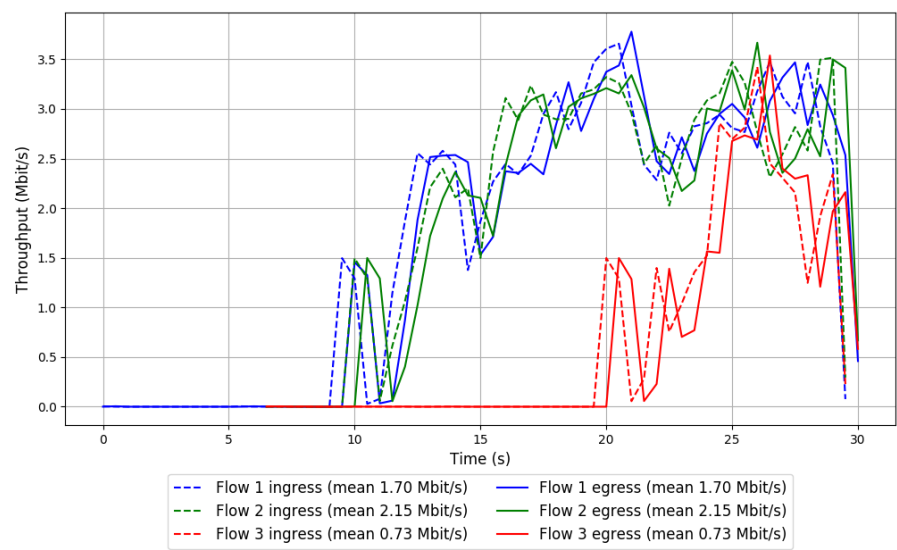


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 15:15:11
End at: 2018-07-25 15:15:41
Local clock offset: -0.138 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-25 21:38:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 61.334 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 61.226 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 61.414 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 15:39:19

End at: 2018-07-25 15:39:49

Local clock offset: -0.059 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 61.492 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 61.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 0.00%

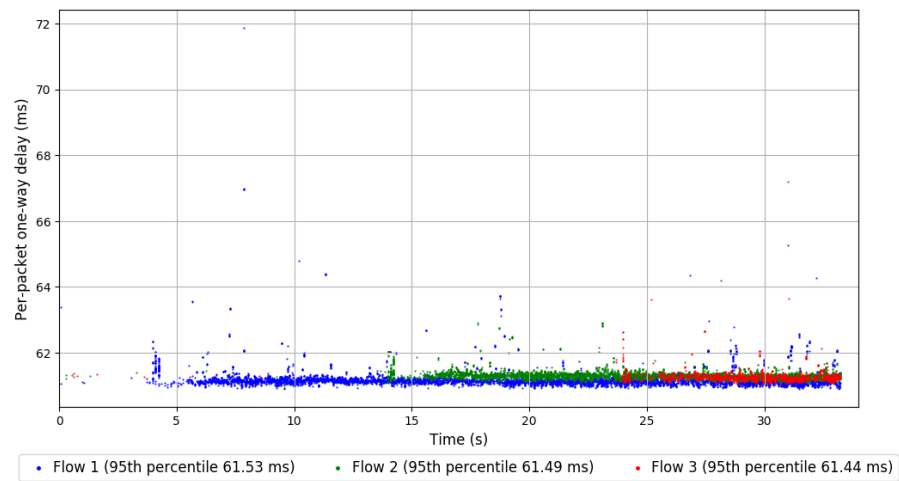
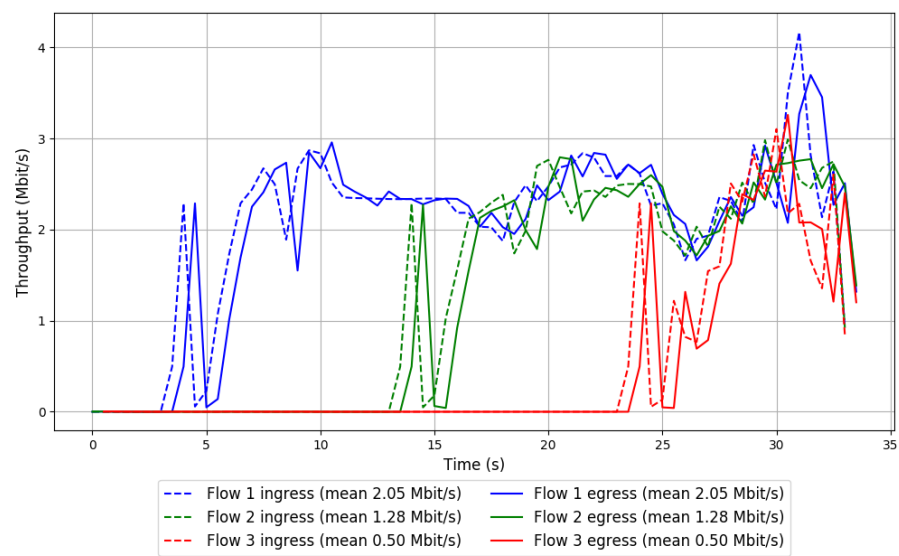
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 61.435 ms

Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-25 16:03:11

End at: 2018-07-25 16:03:41

Local clock offset: -0.096 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 66.961 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 61.675 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 67.024 ms

Loss rate: 0.21%

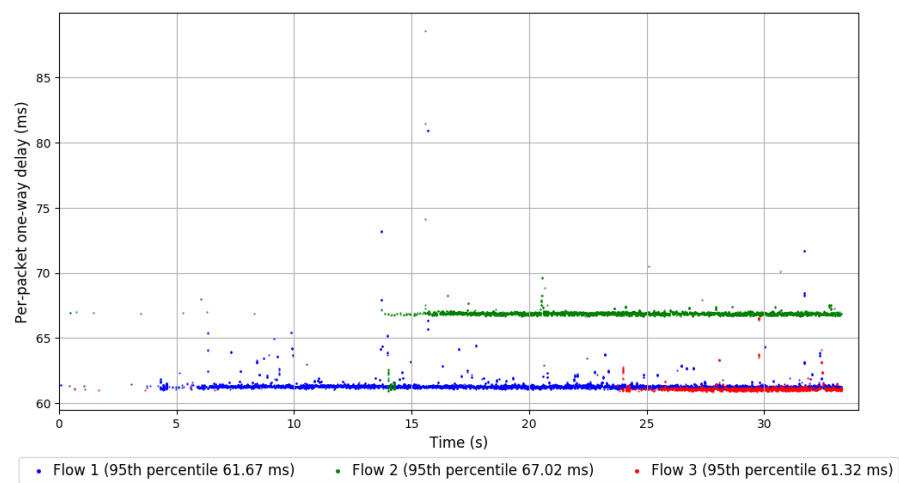
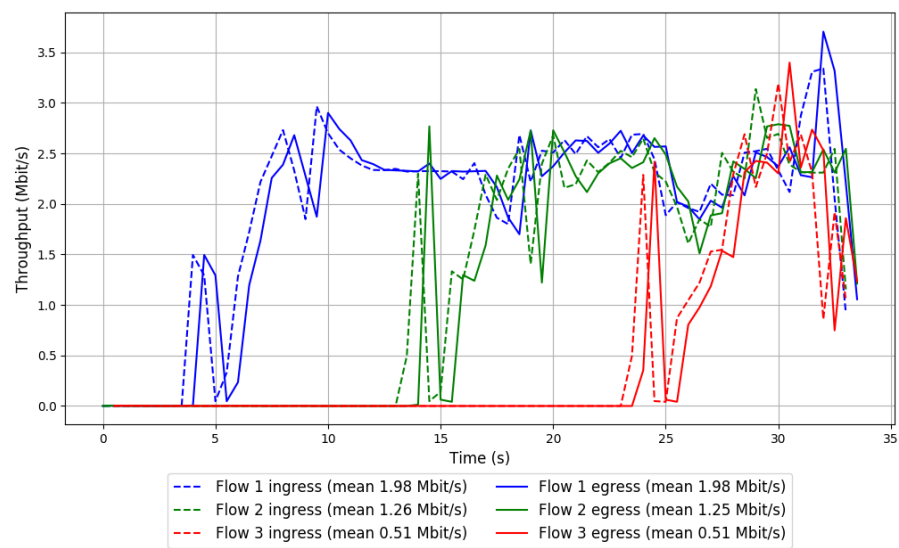
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.319 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-25 16:27:10

End at: 2018-07-25 16:27:40

Local clock offset: -0.071 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 61.450 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.323 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.505 ms

Loss rate: 0.00%

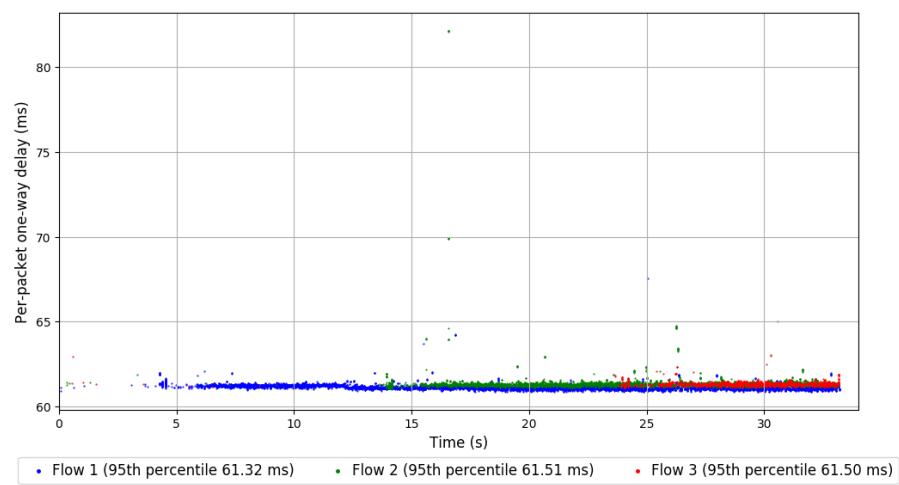
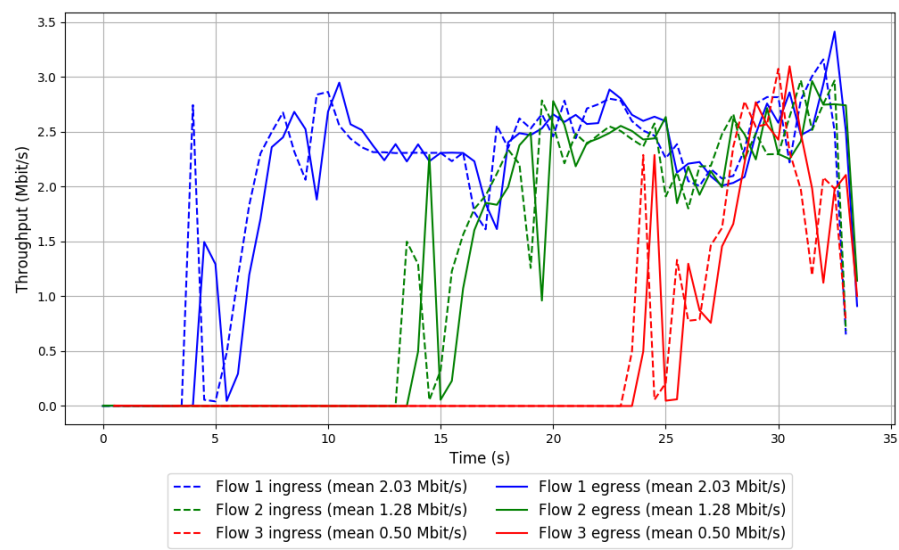
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 61.499 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

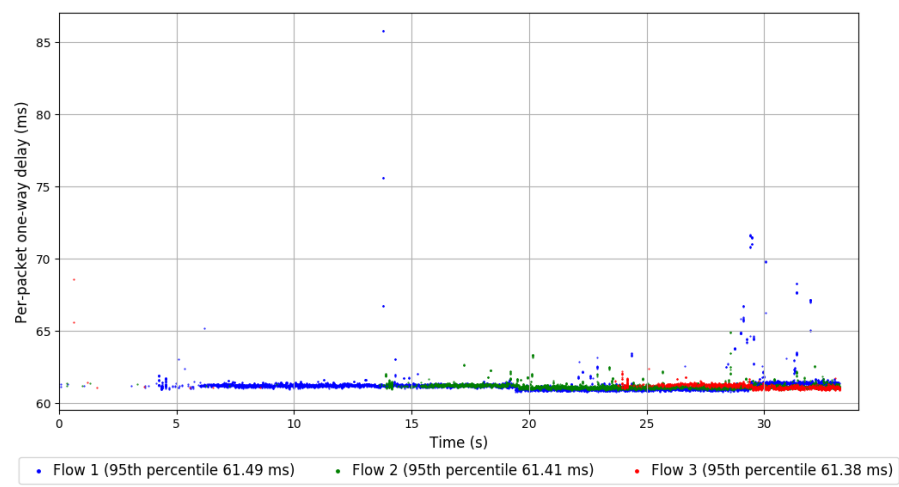
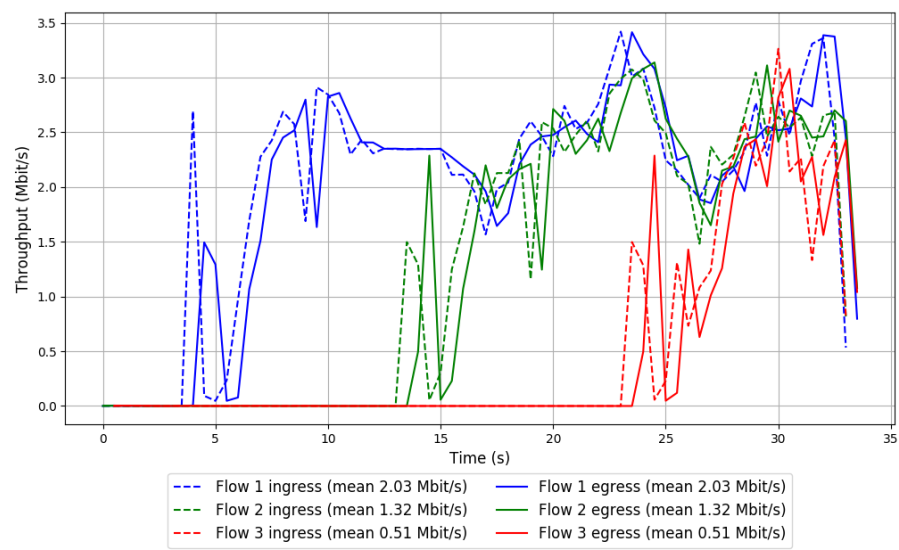


Run 5: Statistics of WebRTC media

Start at: 2018-07-25 16:51:13
End at: 2018-07-25 16:51:43
Local clock offset: -0.142 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 21:38:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 61.463 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.490 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 61.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.382 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-25 17:15:25

End at: 2018-07-25 17:15:55

Local clock offset: -0.023 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 61.452 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 61.467 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.433 ms

Loss rate: 0.02%

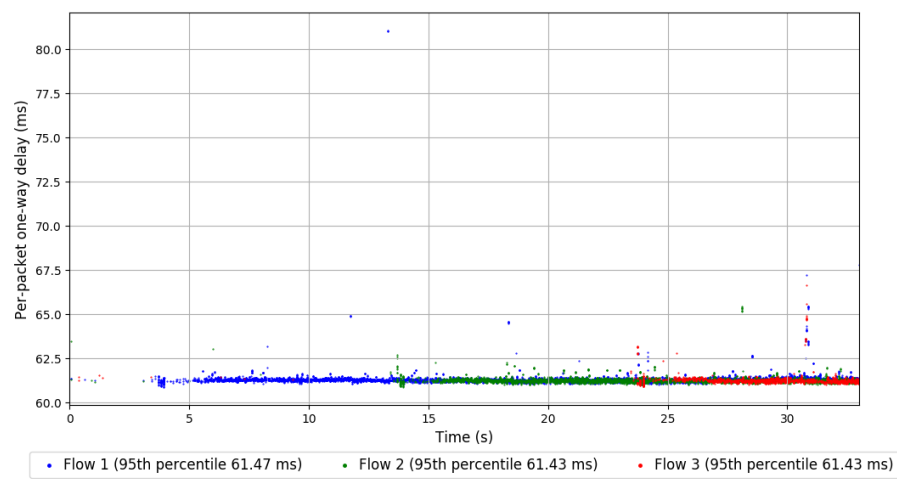
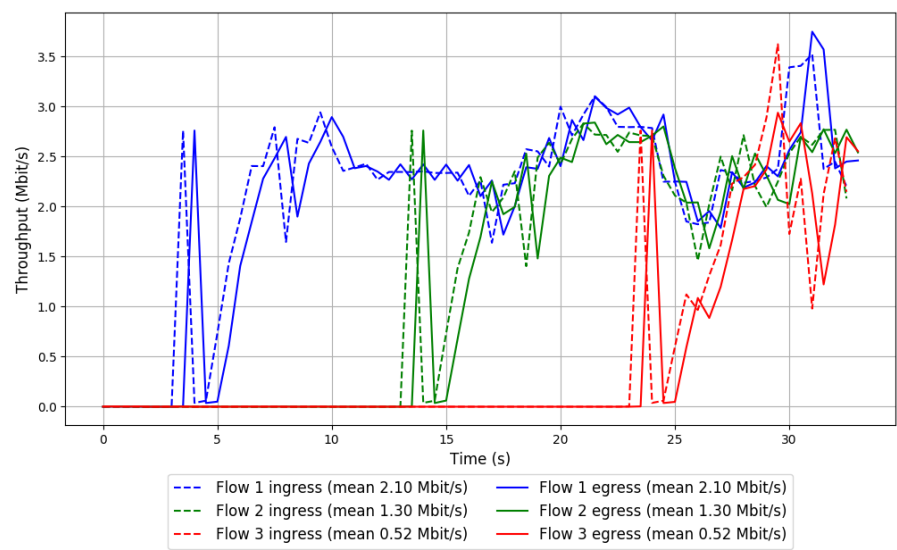
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.427 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 17:39:53

End at: 2018-07-25 17:40:23

Local clock offset: 0.062 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 61.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 61.589 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 61.598 ms

Loss rate: 0.00%

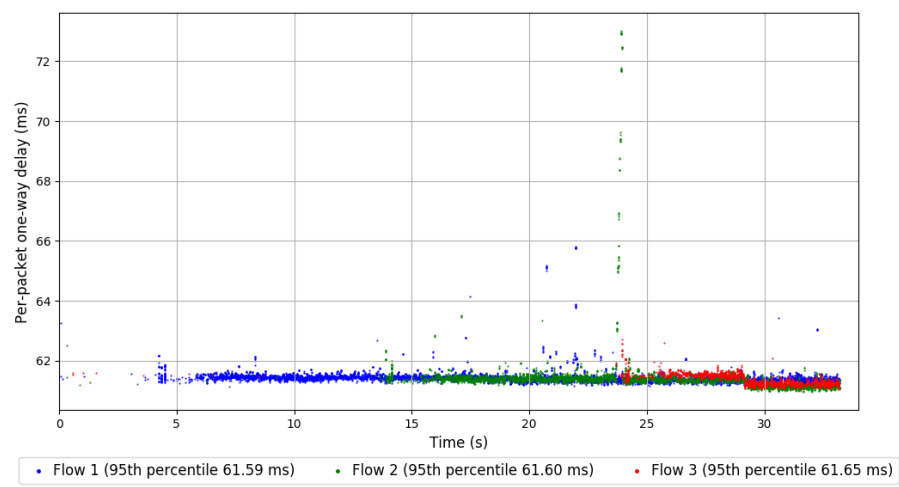
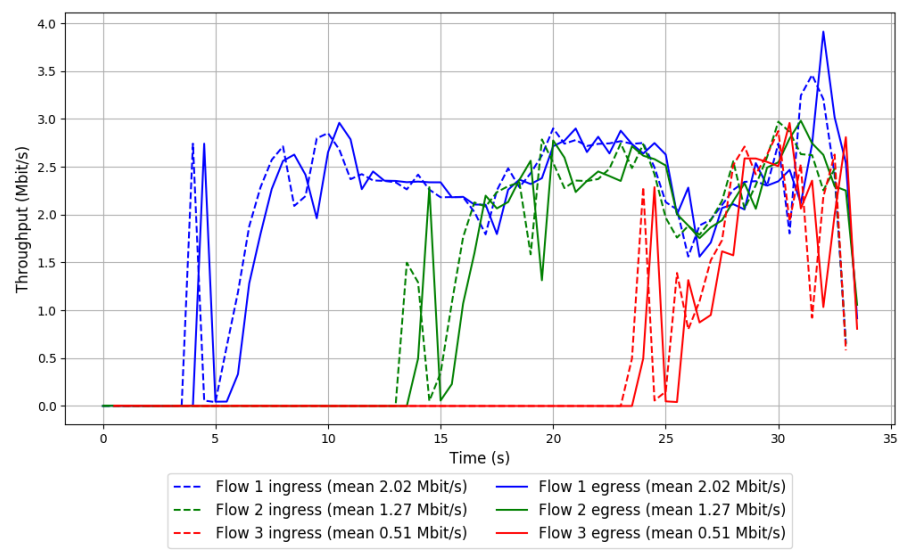
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.651 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 18:04:06

End at: 2018-07-25 18:04:36

Local clock offset: 0.102 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 61.176 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 61.189 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.135 ms

Loss rate: 0.02%

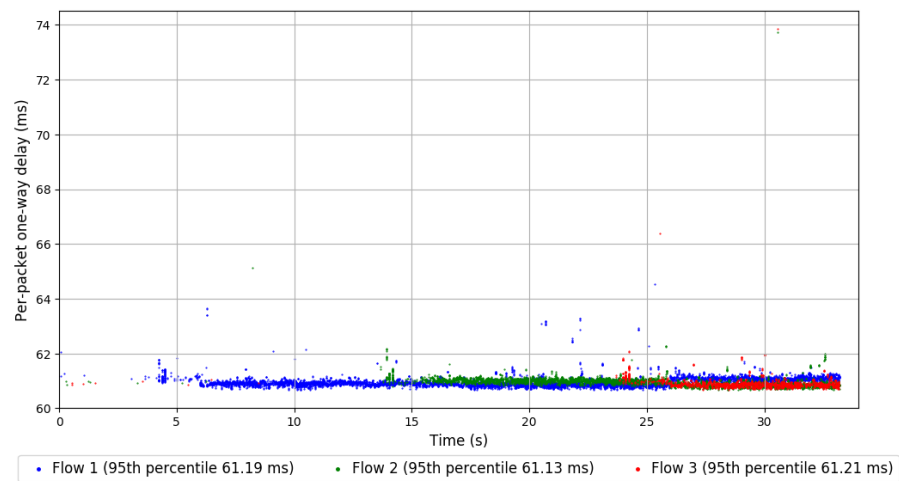
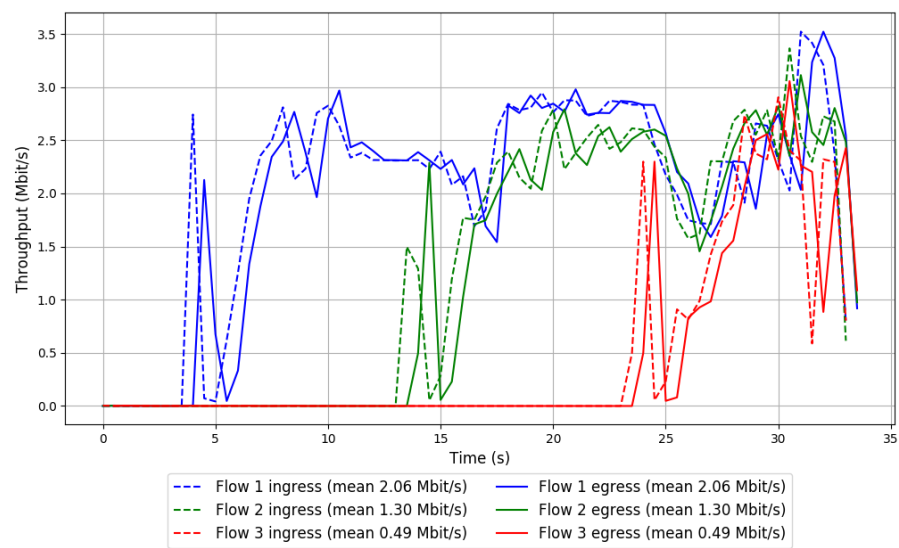
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 61.213 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-25 18:28:19

End at: 2018-07-25 18:28:49

Local clock offset: 0.067 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-25 21:38:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 61.423 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.524 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.268 ms

Loss rate: 0.00%

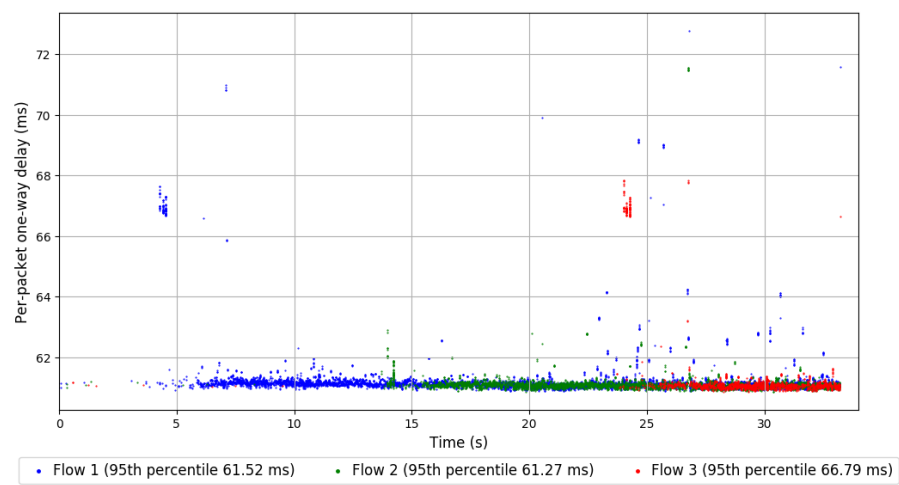
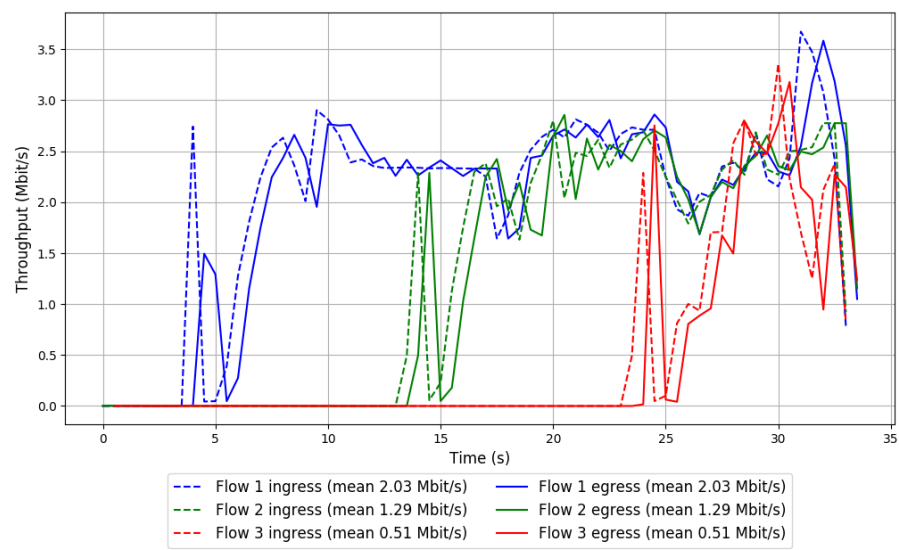
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 66.790 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 18:52:21
End at: 2018-07-25 18:52:51
Local clock offset: 0.128 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-07-25 21:38:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 66.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 60.926 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.064 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

