

Pantheon Report

Generated at 2018-07-06 13:40:22 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

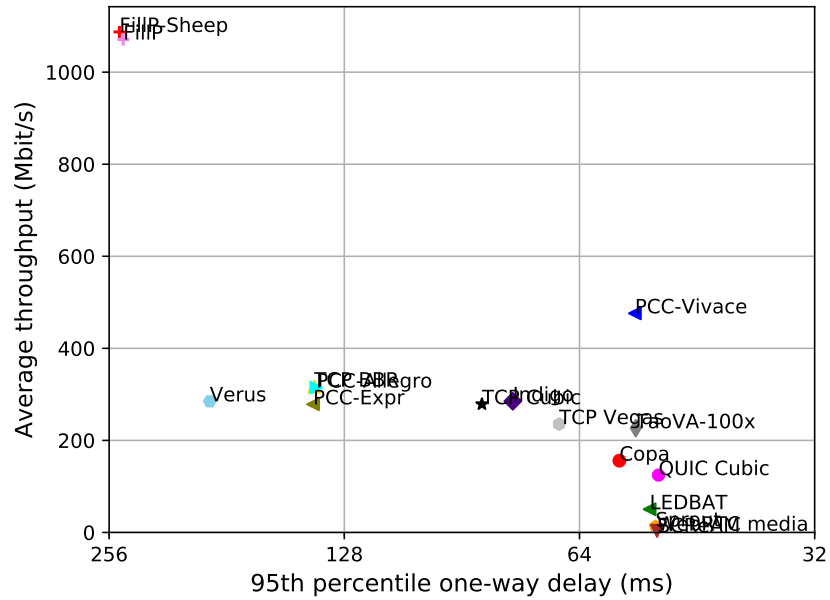
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

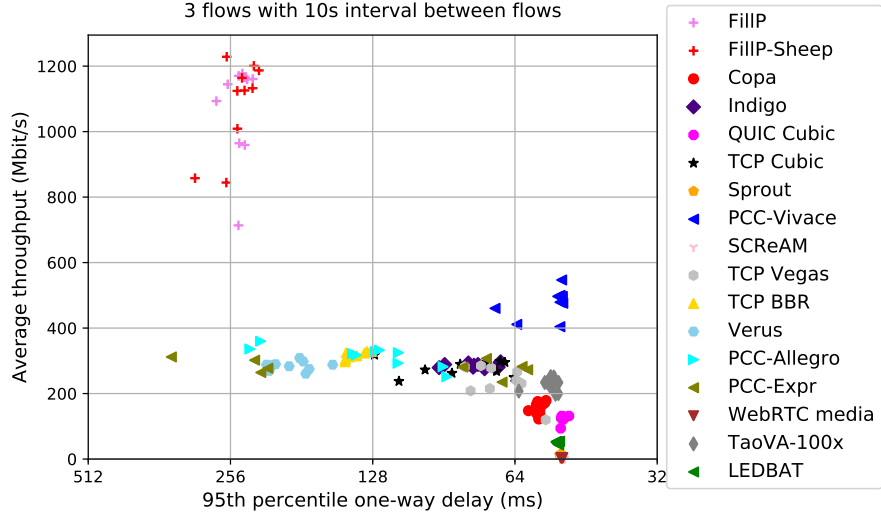
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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 London, 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 London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



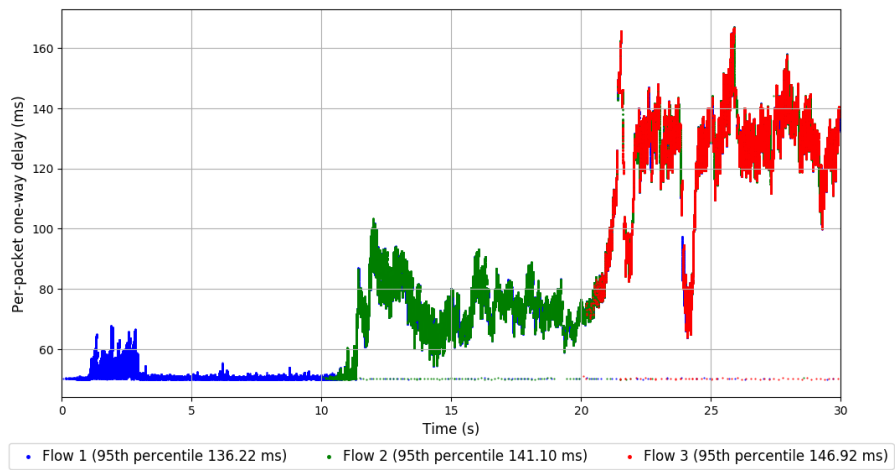
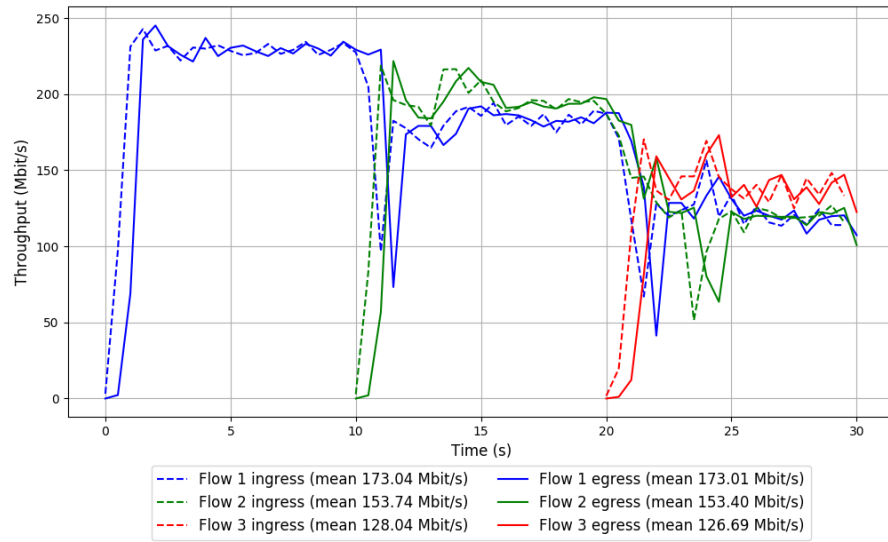
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	176.39	150.50	122.37	133.70	139.89	147.74	0.41	0.74	1.86
Copa	10	88.10	70.17	68.17	56.24	57.96	57.16	0.27	0.51	1.12
TCP Cubic	10	174.00	143.43	28.49	83.62	86.56	88.34	0.36	1.04	3.99
FillP	10	496.23	592.28	550.42	245.93	248.02	233.32	0.58	1.52	2.15
FillP-Sheep	10	536.64	563.62	537.43	258.44	237.97	188.74	0.80	1.05	2.26
Indigo	10	169.68	139.73	68.75	73.21	79.10	85.40	0.33	0.49	1.22
LEDBAT	10	33.42	20.26	10.85	52.02	52.23	51.94	0.69	1.06	2.11
PCC-Allegro	10	290.28	26.79	20.32	138.85	137.82	137.40	0.72	0.96	1.58
PCC-Expr	10	189.56	113.07	42.16	135.51	131.72	137.90	1.71	2.41	4.99
QUIC Cubic	10	68.65	56.16	56.39	50.58	50.60	50.64	0.33	0.76	0.89
SCReAM	10	0.22	0.22	0.22	50.69	50.56	52.31	0.31	0.61	1.09
Sprout	10	6.61	6.71	6.21	51.15	51.14	51.20	0.39	0.43	0.92
TaoVA-100x	10	133.21	115.66	90.17	52.24	56.27	58.74	0.19	0.43	0.96
TCP Vegas	10	160.07	77.48	72.27	66.65	68.23	64.01	0.27	0.57	1.41
Verus	10	189.23	108.09	75.14	180.12	189.67	205.06	0.96	1.24	2.78
PCC-Vivace	10	277.58	235.24	129.11	52.51	57.69	51.01	0.29	0.56	1.39
WebRTC media	10	2.00	1.31	0.54	50.76	50.87	52.02	0.42	0.61	1.37

Run 1: Statistics of TCP BBR

Start at: 2018-07-06 07:12:38
End at: 2018-07-06 07:13:08
Local clock offset: -0.054 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-06 11:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.71 Mbit/s
95th percentile per-packet one-way delay: 140.637 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 173.01 Mbit/s
95th percentile per-packet one-way delay: 136.221 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 153.40 Mbit/s
95th percentile per-packet one-way delay: 141.097 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 126.69 Mbit/s
95th percentile per-packet one-way delay: 146.924 ms
Loss rate: 1.88%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-06 07:36:27

End at: 2018-07-06 07:36:57

Local clock offset: -0.09 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-06 11:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.04 Mbit/s

95th percentile per-packet one-way delay: 131.532 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 182.91 Mbit/s

95th percentile per-packet one-way delay: 126.433 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 152.06 Mbit/s

95th percentile per-packet one-way delay: 131.965 ms

Loss rate: 0.86%

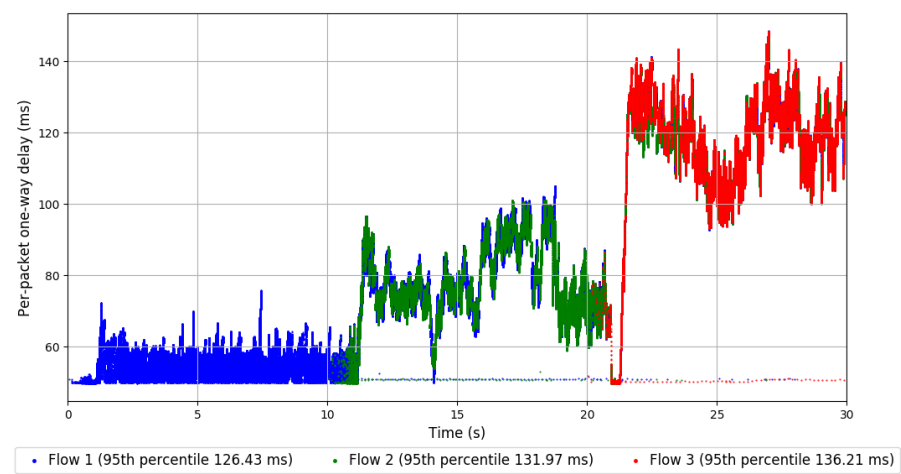
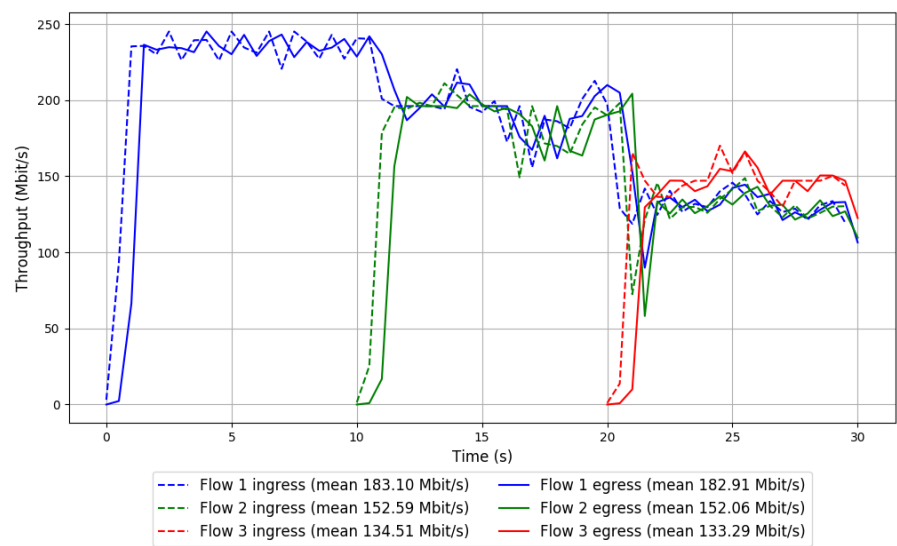
-- Flow 3:

Average throughput: 133.29 Mbit/s

95th percentile per-packet one-way delay: 136.209 ms

Loss rate: 1.83%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-06 08:00:28

End at: 2018-07-06 08:00:58

Local clock offset: -0.051 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-06 11:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.03 Mbit/s

95th percentile per-packet one-way delay: 128.796 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 179.97 Mbit/s

95th percentile per-packet one-way delay: 125.338 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 155.97 Mbit/s

95th percentile per-packet one-way delay: 128.865 ms

Loss rate: 0.61%

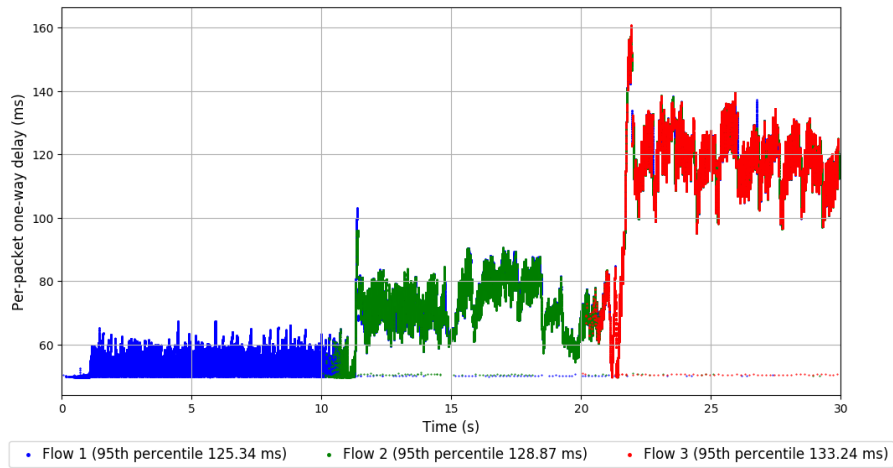
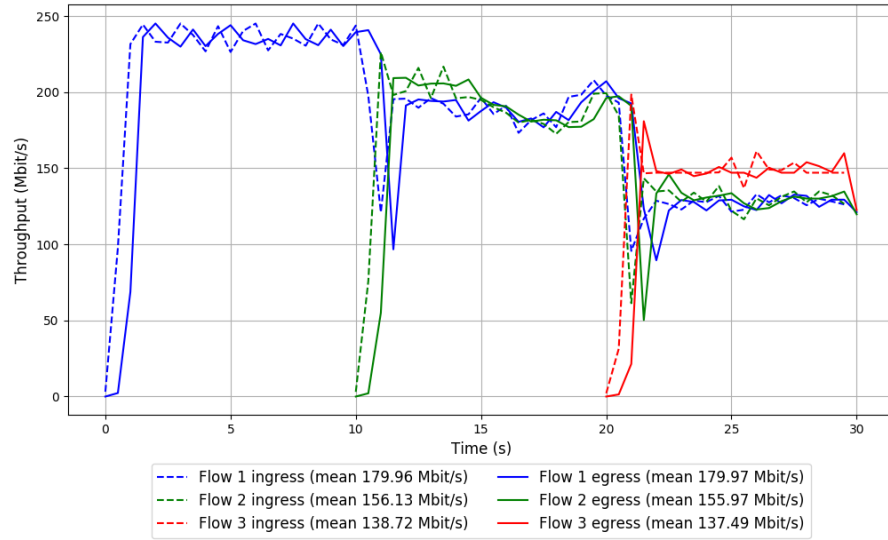
-- Flow 3:

Average throughput: 137.49 Mbit/s

95th percentile per-packet one-way delay: 133.242 ms

Loss rate: 1.78%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-06 08:24:30

End at: 2018-07-06 08:25:00

Local clock offset: 0.017 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-06 11:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.46 Mbit/s

95th percentile per-packet one-way delay: 145.619 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 178.93 Mbit/s

95th percentile per-packet one-way delay: 135.470 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 157.15 Mbit/s

95th percentile per-packet one-way delay: 145.437 ms

Loss rate: 0.80%

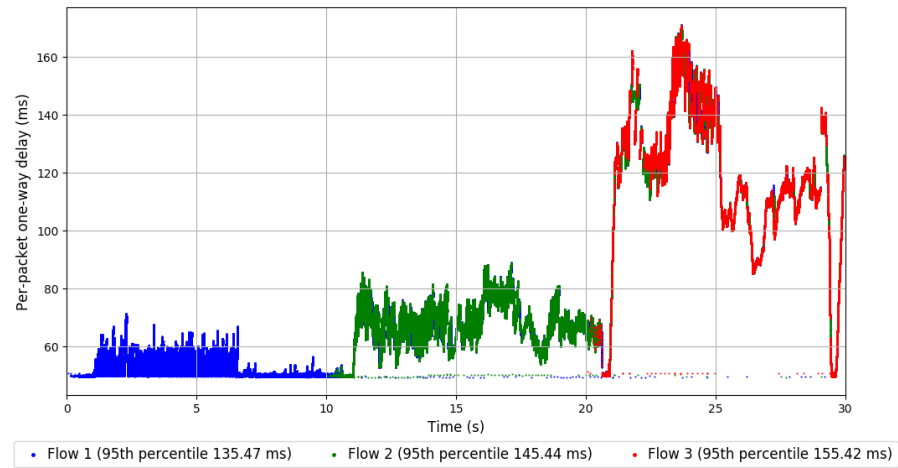
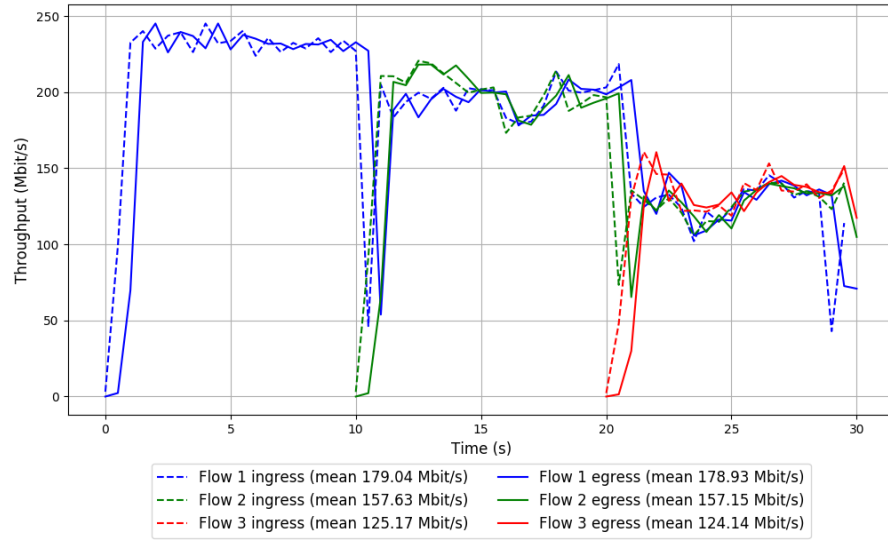
-- Flow 3:

Average throughput: 124.14 Mbit/s

95th percentile per-packet one-way delay: 155.421 ms

Loss rate: 1.84%

Run 4: Report of TCP BBR — Data Link

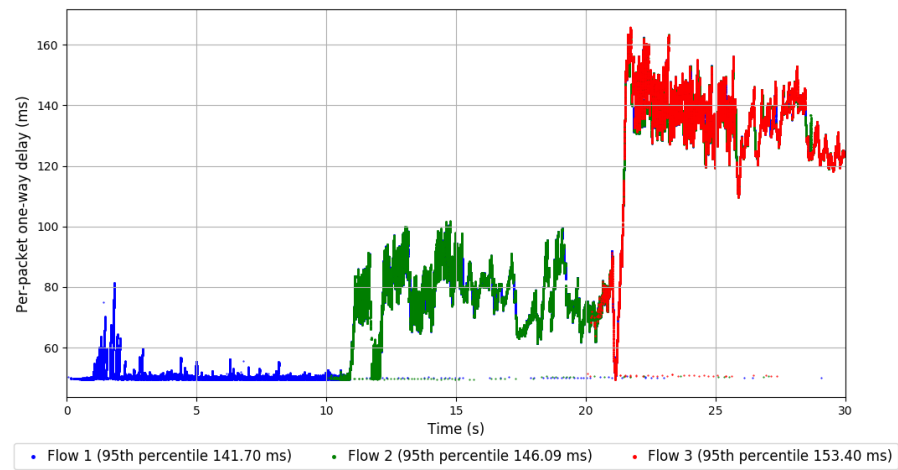
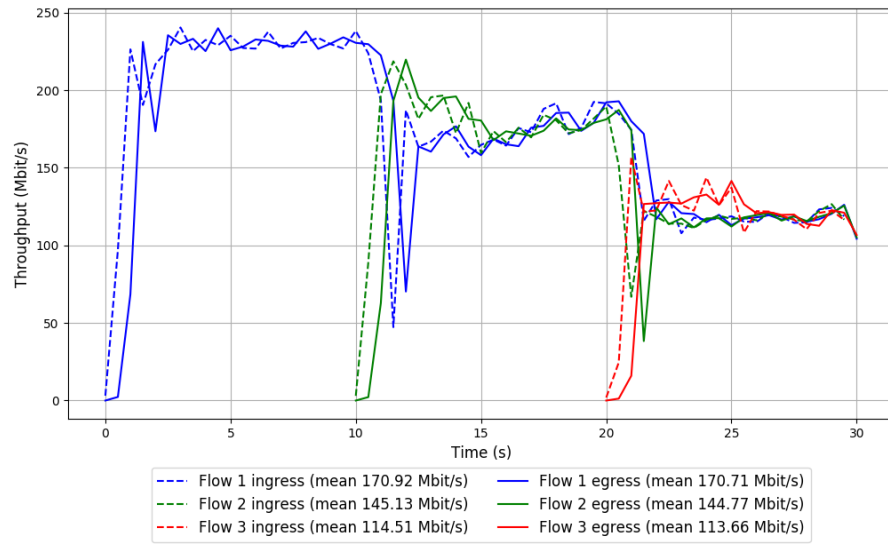


Run 5: Statistics of TCP BBR

Start at: 2018-07-06 08:48:26
End at: 2018-07-06 08:48:56
Local clock offset: -0.453 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-06 11:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.53 Mbit/s
95th percentile per-packet one-way delay: 146.231 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 170.71 Mbit/s
95th percentile per-packet one-way delay: 141.701 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 144.77 Mbit/s
95th percentile per-packet one-way delay: 146.094 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 113.66 Mbit/s
95th percentile per-packet one-way delay: 153.402 ms
Loss rate: 1.76%

Run 5: Report of TCP BBR — Data Link

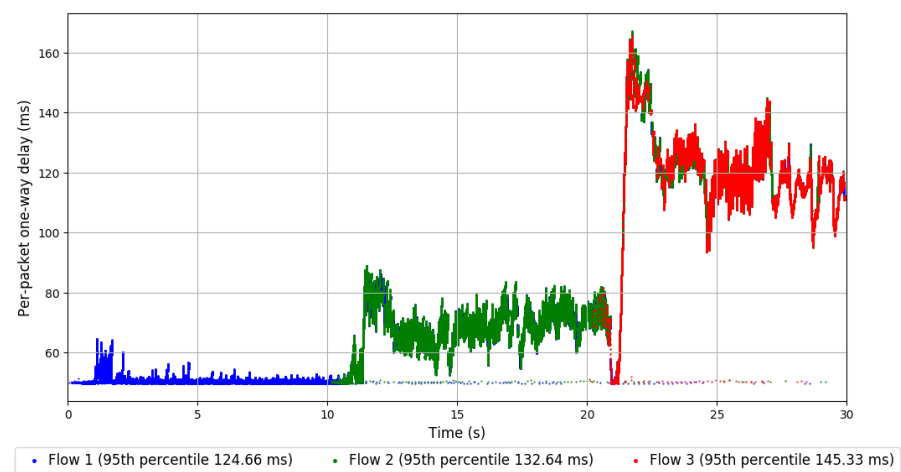
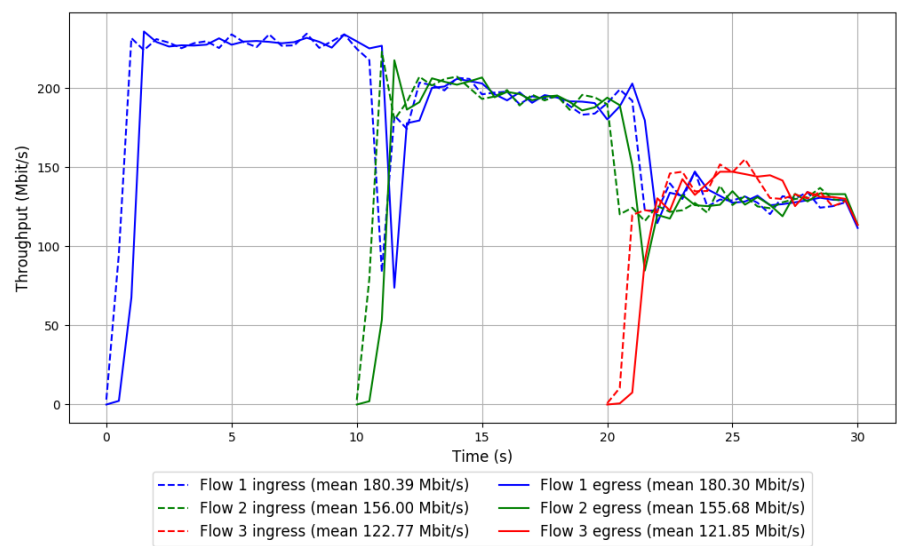


Run 6: Statistics of TCP BBR

Start at: 2018-07-06 09:12:02
End at: 2018-07-06 09:12:32
Local clock offset: -0.537 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-06 11:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.98 Mbit/s
95th percentile per-packet one-way delay: 133.148 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 180.30 Mbit/s
95th percentile per-packet one-way delay: 124.663 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 155.68 Mbit/s
95th percentile per-packet one-way delay: 132.638 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 121.85 Mbit/s
95th percentile per-packet one-way delay: 145.326 ms
Loss rate: 1.77%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-06 09:36:03

End at: 2018-07-06 09:36:33

Local clock offset: -0.078 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-07-06 11:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.68 Mbit/s

95th percentile per-packet one-way delay: 144.298 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 174.38 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 152.95 Mbit/s

95th percentile per-packet one-way delay: 143.604 ms

Loss rate: 0.62%

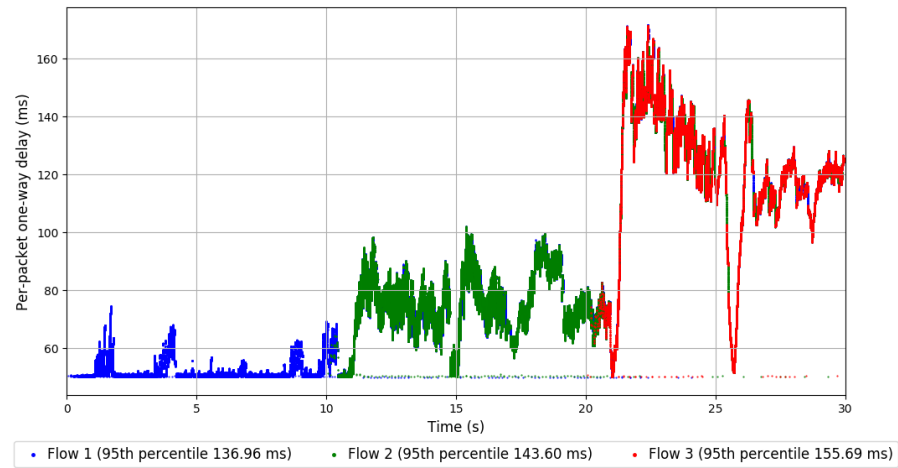
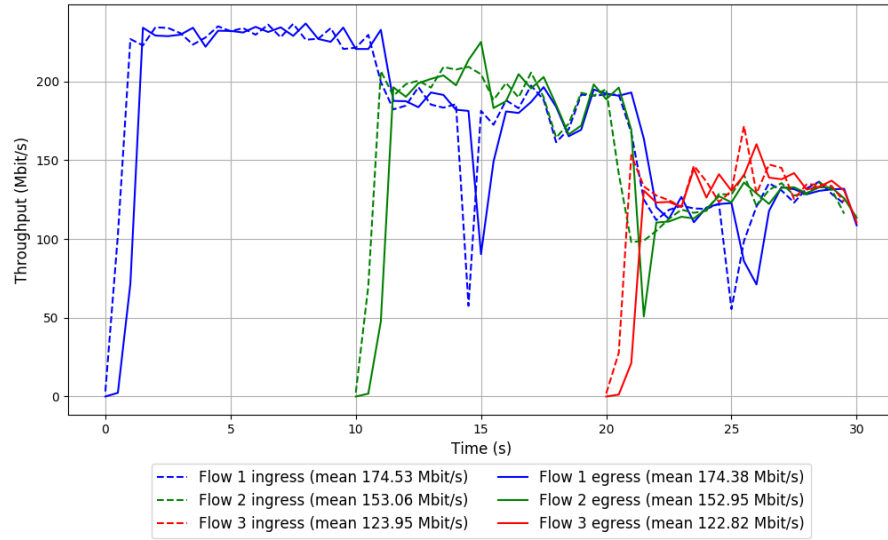
-- Flow 3:

Average throughput: 122.82 Mbit/s

95th percentile per-packet one-way delay: 155.695 ms

Loss rate: 1.86%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-06 10:00:00

End at: 2018-07-06 10:00:30

Local clock offset: -0.133 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-06 11:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.24 Mbit/s

95th percentile per-packet one-way delay: 143.358 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 176.89 Mbit/s

95th percentile per-packet one-way delay: 138.521 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 146.27 Mbit/s

95th percentile per-packet one-way delay: 143.672 ms

Loss rate: 0.78%

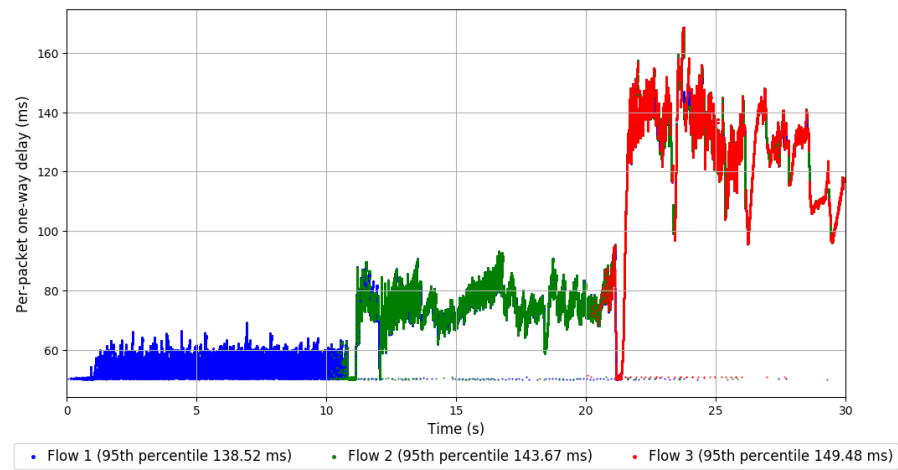
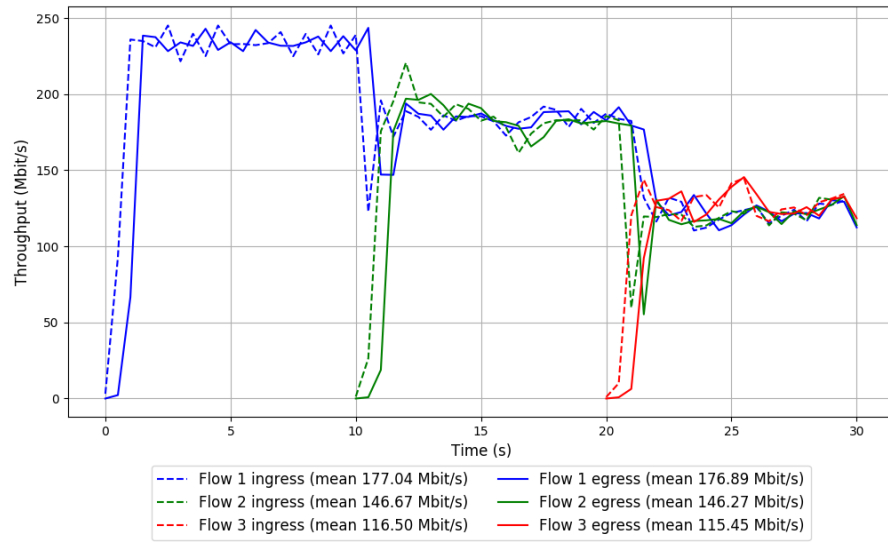
-- Flow 3:

Average throughput: 115.45 Mbit/s

95th percentile per-packet one-way delay: 149.483 ms

Loss rate: 1.91%

Run 8: Report of TCP BBR — Data Link

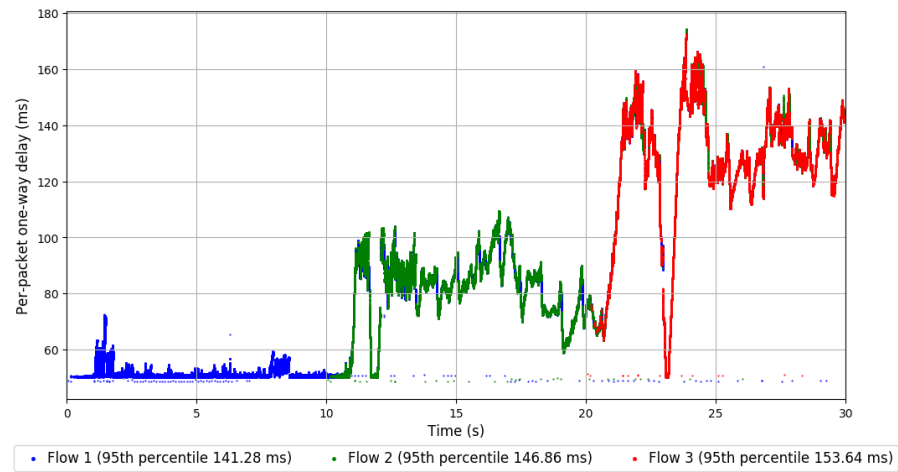
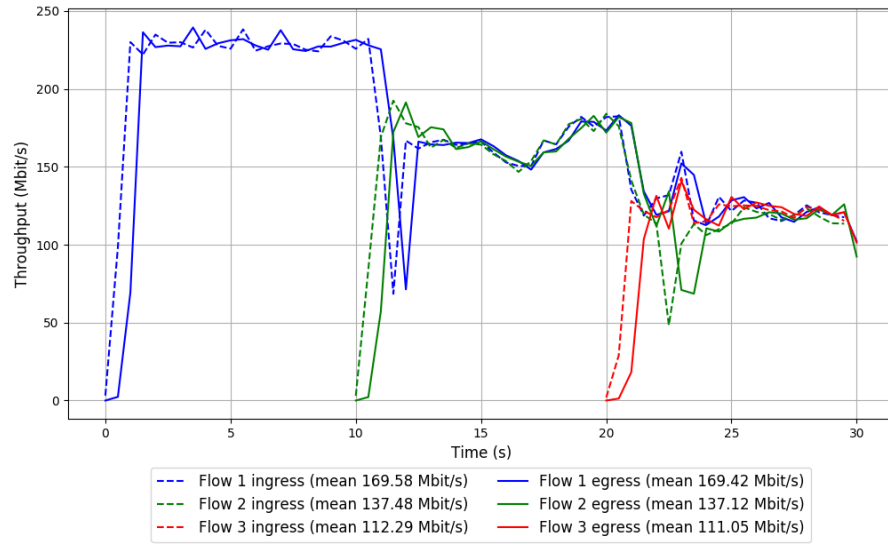


Run 9: Statistics of TCP BBR

Start at: 2018-07-06 10:23:47
End at: 2018-07-06 10:24:17
Local clock offset: -0.15 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-06 11:35:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.23 Mbit/s
95th percentile per-packet one-way delay: 146.364 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 169.42 Mbit/s
95th percentile per-packet one-way delay: 141.279 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 137.12 Mbit/s
95th percentile per-packet one-way delay: 146.856 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 111.05 Mbit/s
95th percentile per-packet one-way delay: 153.644 ms
Loss rate: 2.04%

Run 9: Report of TCP BBR — Data Link

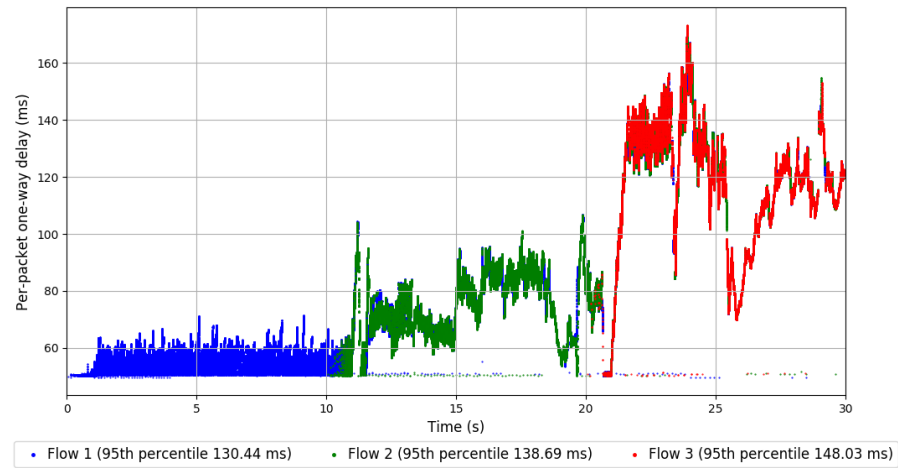
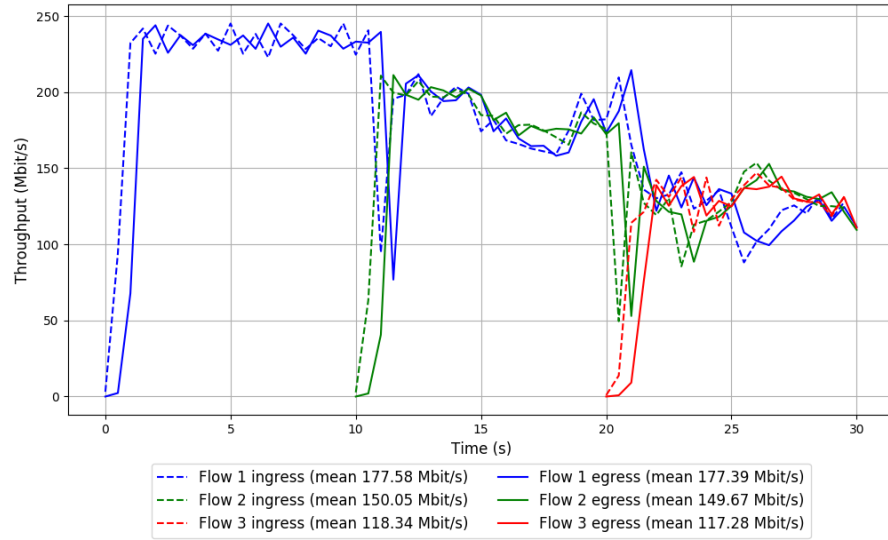


Run 10: Statistics of TCP BBR

Start at: 2018-07-06 10:47:30
End at: 2018-07-06 10:48:00
Local clock offset: -0.108 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-06 11:36:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.62 Mbit/s
95th percentile per-packet one-way delay: 138.320 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 177.39 Mbit/s
95th percentile per-packet one-way delay: 130.441 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 149.67 Mbit/s
95th percentile per-packet one-way delay: 138.689 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 117.28 Mbit/s
95th percentile per-packet one-way delay: 148.034 ms
Loss rate: 1.91%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-06 07:16:43

End at: 2018-07-06 07:17:13

Local clock offset: -0.456 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-06 11:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.56 Mbit/s

95th percentile per-packet one-way delay: 55.379 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 54.436 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 76.19 Mbit/s

95th percentile per-packet one-way delay: 56.785 ms

Loss rate: 0.32%

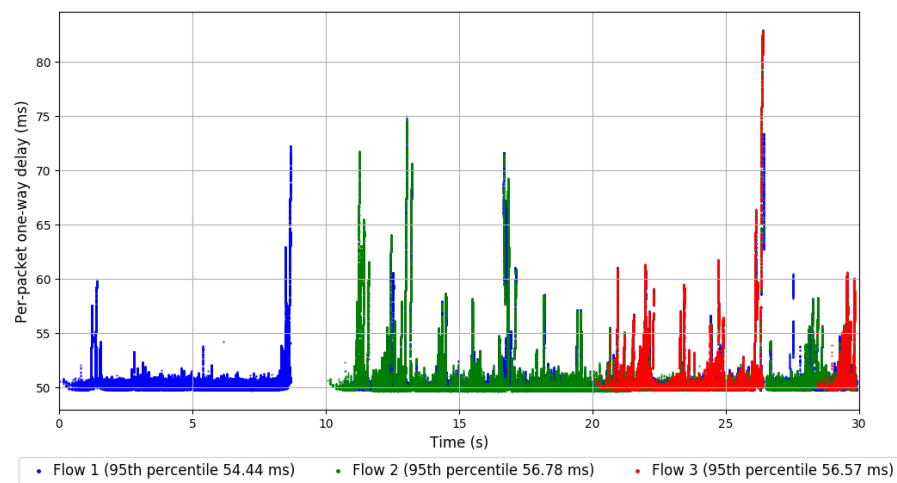
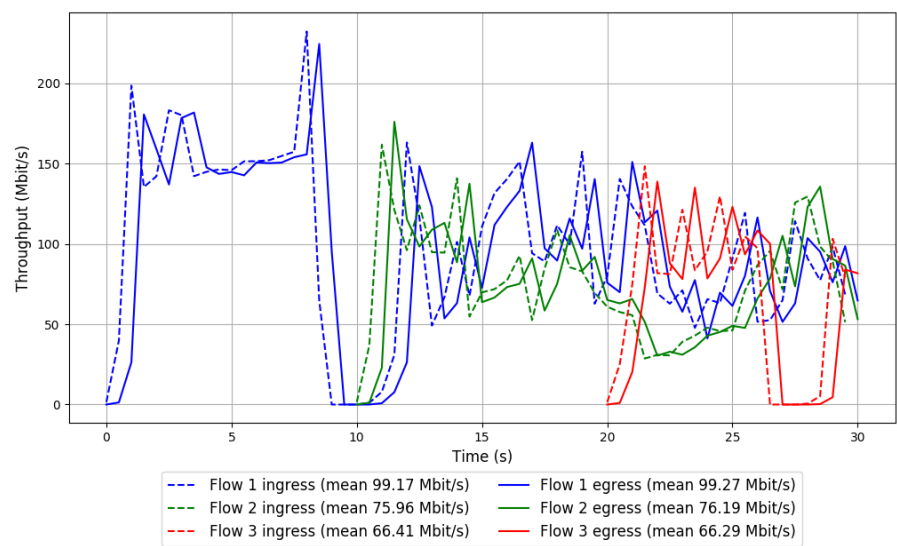
-- Flow 3:

Average throughput: 66.29 Mbit/s

95th percentile per-packet one-way delay: 56.574 ms

Loss rate: 1.33%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-06 07:40:32

End at: 2018-07-06 07:41:02

Local clock offset: -0.076 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-06 11:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.22 Mbit/s

95th percentile per-packet one-way delay: 55.908 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 56.604 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 100.60 Mbit/s

95th percentile per-packet one-way delay: 54.887 ms

Loss rate: 0.38%

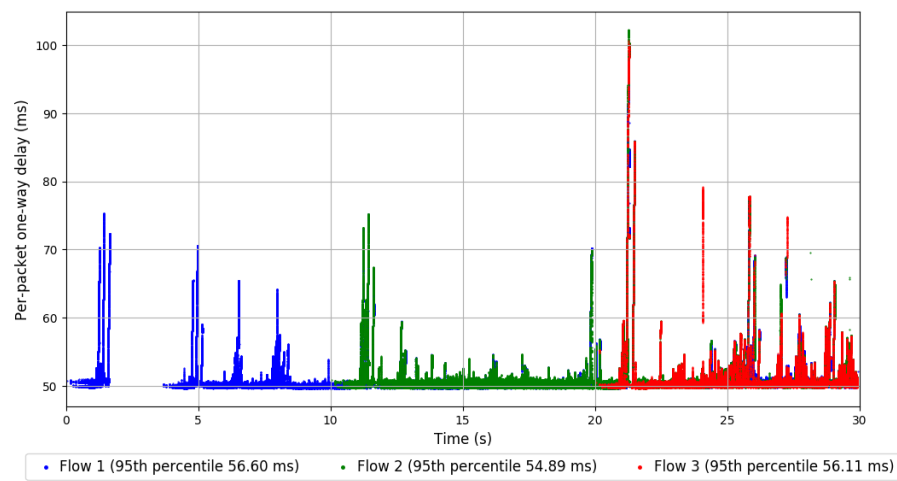
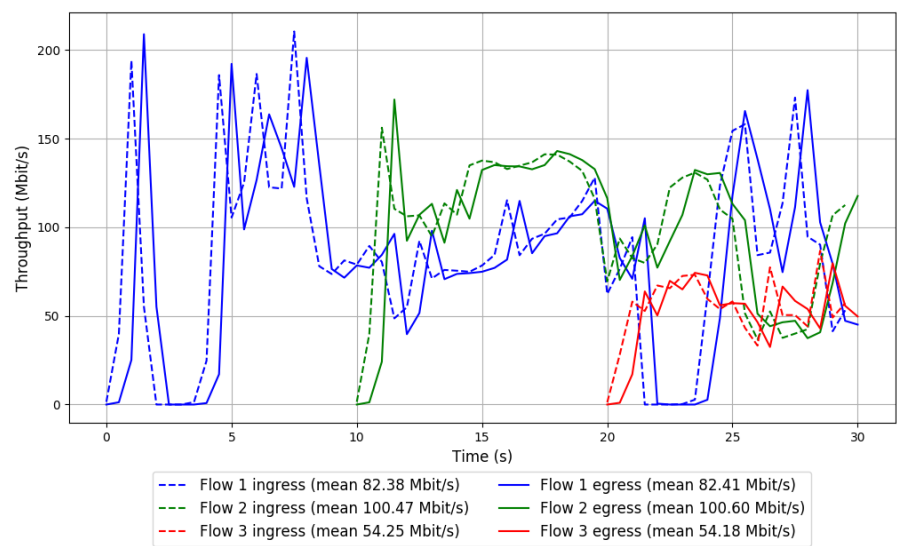
-- Flow 3:

Average throughput: 54.18 Mbit/s

95th percentile per-packet one-way delay: 56.106 ms

Loss rate: 1.15%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-06 08:04:29

End at: 2018-07-06 08:04:59

Local clock offset: 0.291 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-06 11:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.77 Mbit/s

95th percentile per-packet one-way delay: 59.917 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 76.13 Mbit/s

95th percentile per-packet one-way delay: 59.674 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 58.348 ms

Loss rate: 0.21%

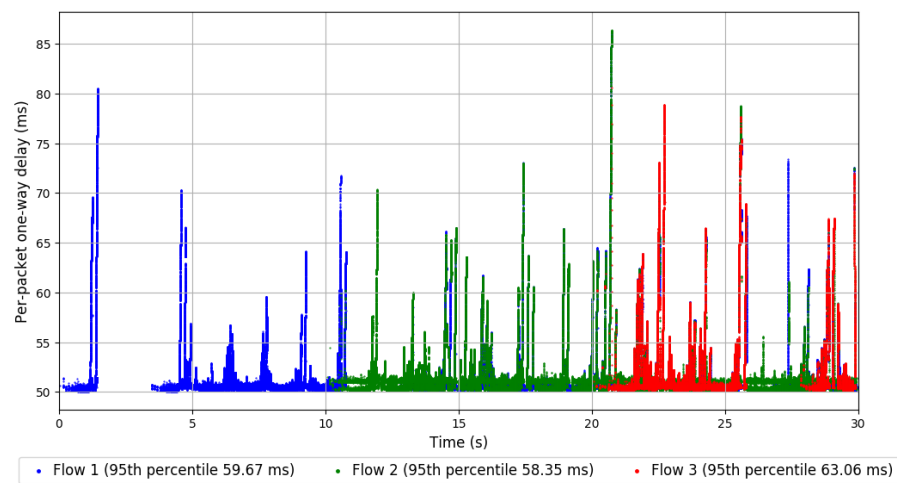
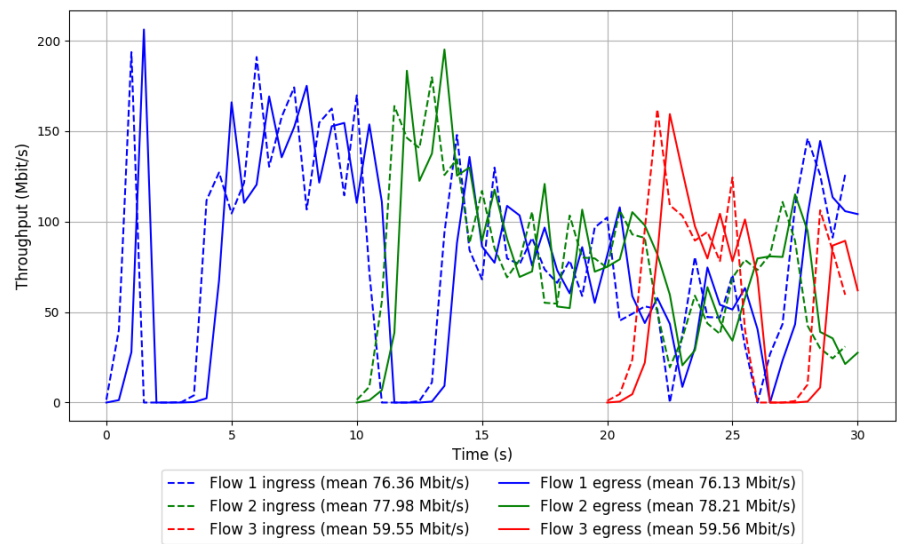
-- Flow 3:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 63.061 ms

Loss rate: 1.16%

Run 3: Report of Copa — Data Link

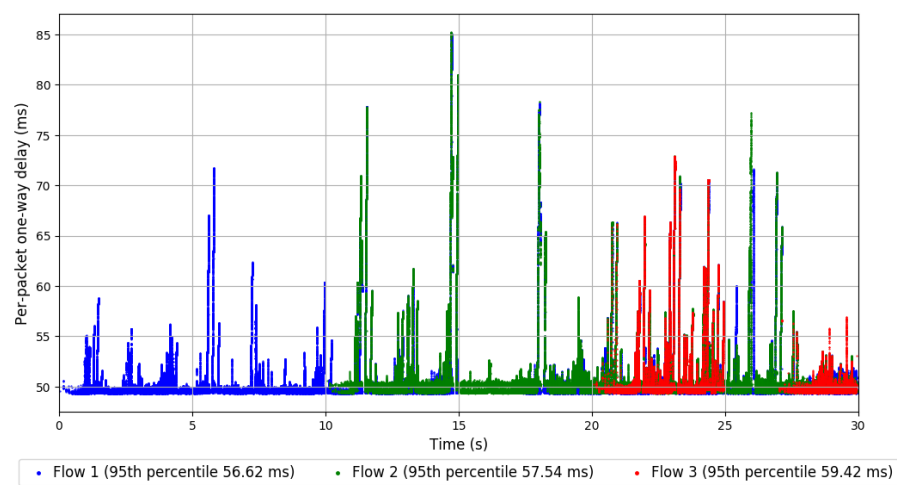
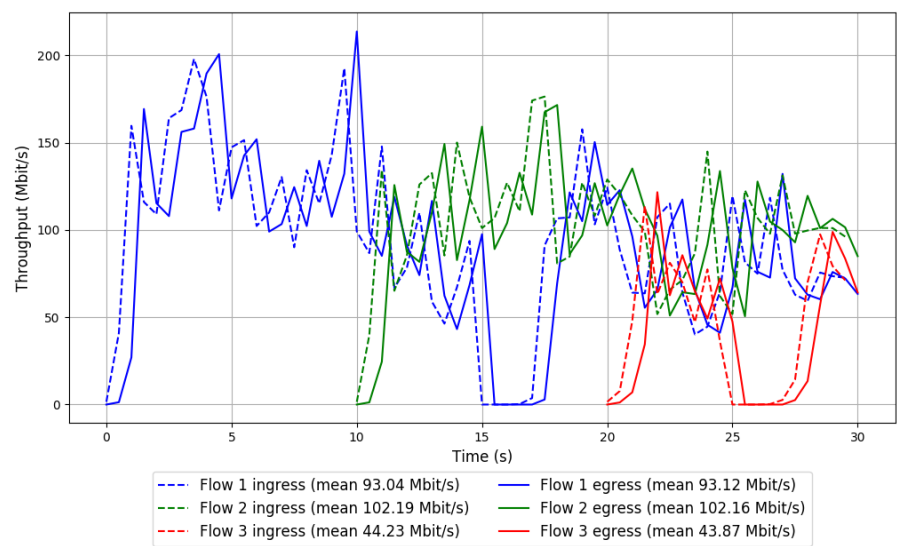


Run 4: Statistics of Copa

Start at: 2018-07-06 08:28:33
End at: 2018-07-06 08:29:03
Local clock offset: -0.39 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-06 11:36:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 57.276 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 56.615 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 102.16 Mbit/s
95th percentile per-packet one-way delay: 57.544 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 59.418 ms
Loss rate: 1.74%

Run 4: Report of Copa — Data Link

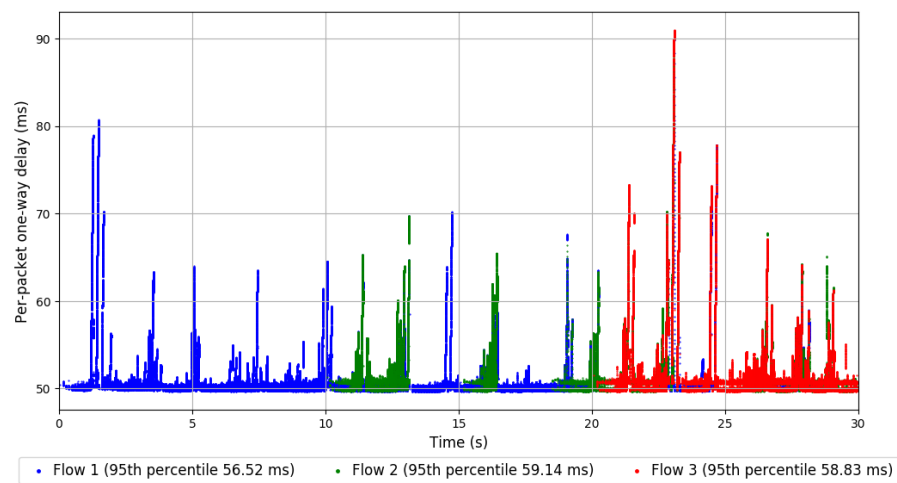
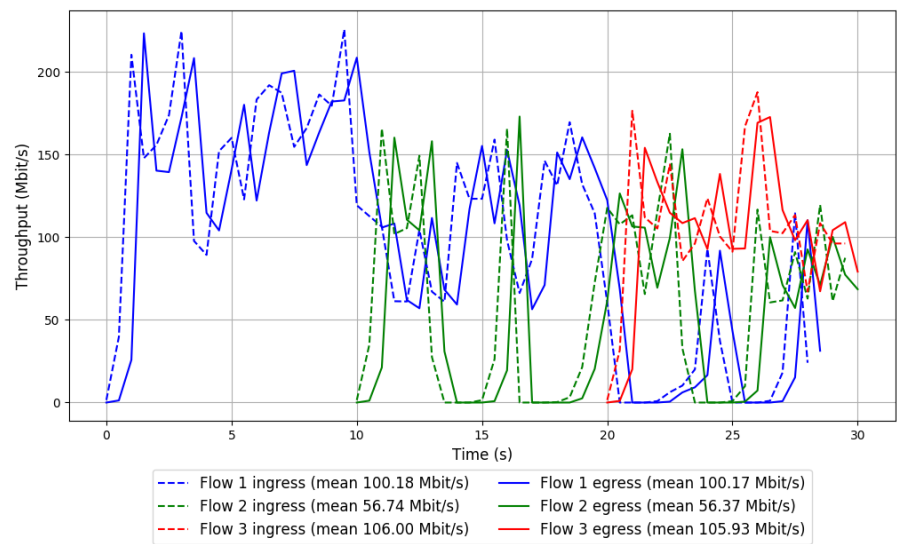


Run 5: Statistics of Copa

Start at: 2018-07-06 08:52:30
End at: 2018-07-06 08:53:01
Local clock offset: -0.137 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-06 11:36:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.65 Mbit/s
95th percentile per-packet one-way delay: 57.630 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 56.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 59.143 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 105.93 Mbit/s
95th percentile per-packet one-way delay: 58.834 ms
Loss rate: 1.09%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-06 09:16:08

End at: 2018-07-06 09:16:38

Local clock offset: 0.206 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-06 11:36:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.19 Mbit/s

95th percentile per-packet one-way delay: 57.488 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 84.39 Mbit/s

95th percentile per-packet one-way delay: 56.901 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 54.11 Mbit/s

95th percentile per-packet one-way delay: 61.383 ms

Loss rate: 1.01%

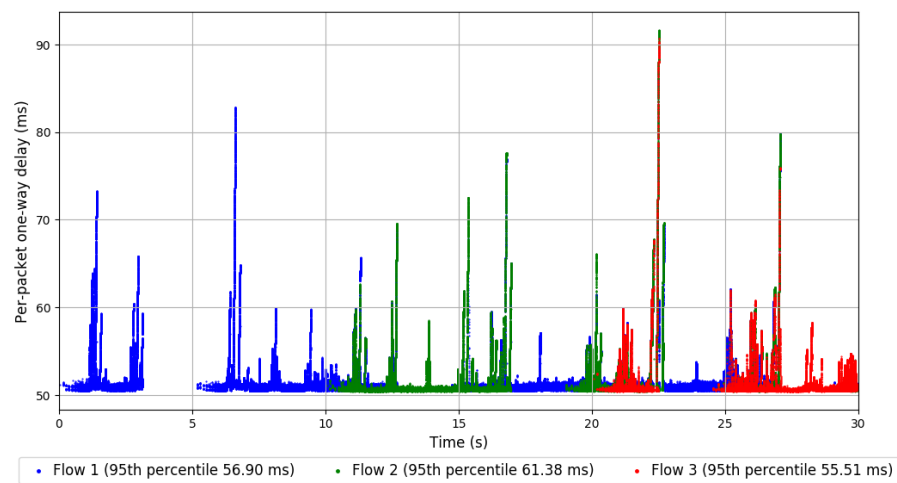
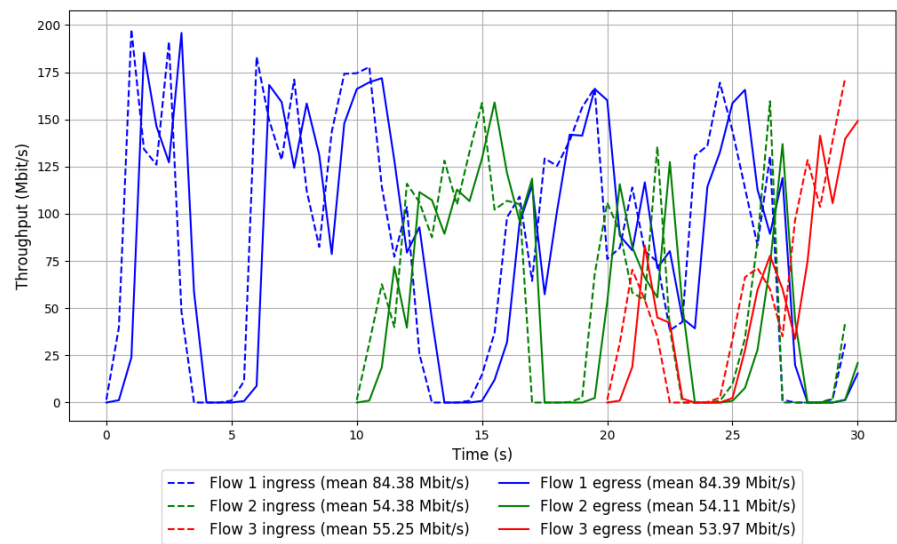
-- Flow 3:

Average throughput: 53.97 Mbit/s

95th percentile per-packet one-way delay: 55.510 ms

Loss rate: 3.32%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-06 09:40:06

End at: 2018-07-06 09:40:36

Local clock offset: -0.106 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-06 11:40:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.43 Mbit/s

95th percentile per-packet one-way delay: 56.695 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 55.568 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 59.474 ms

Loss rate: 0.73%

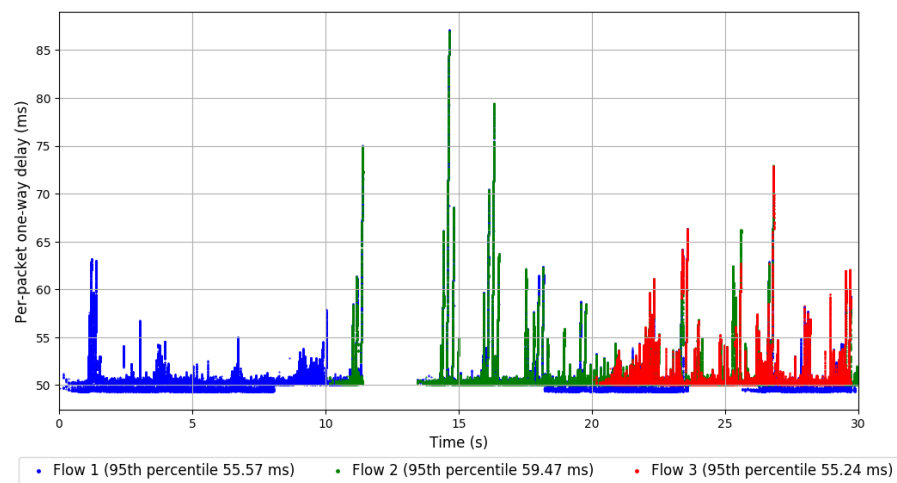
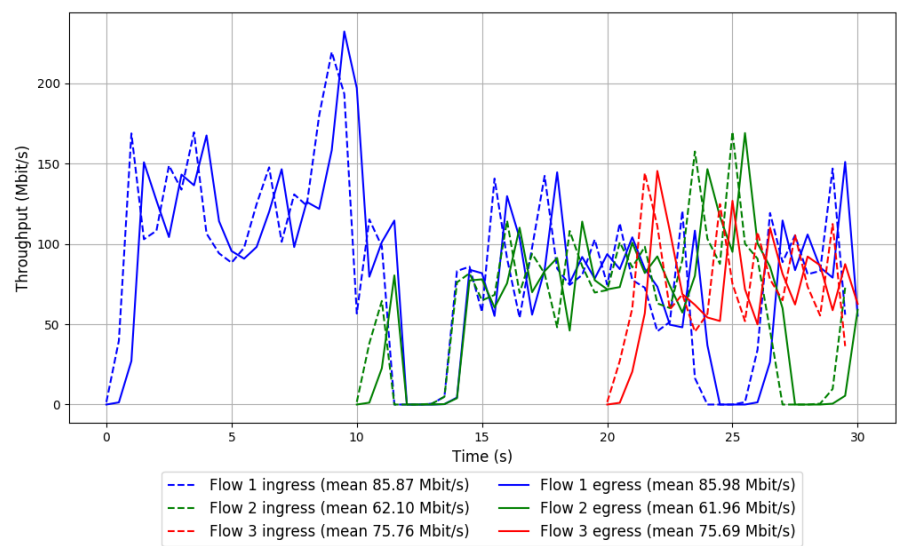
-- Flow 3:

Average throughput: 75.69 Mbit/s

95th percentile per-packet one-way delay: 55.245 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

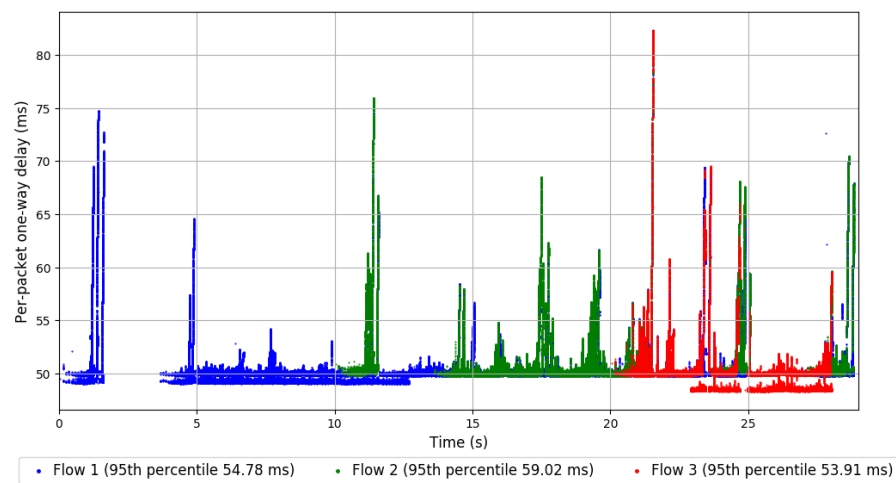
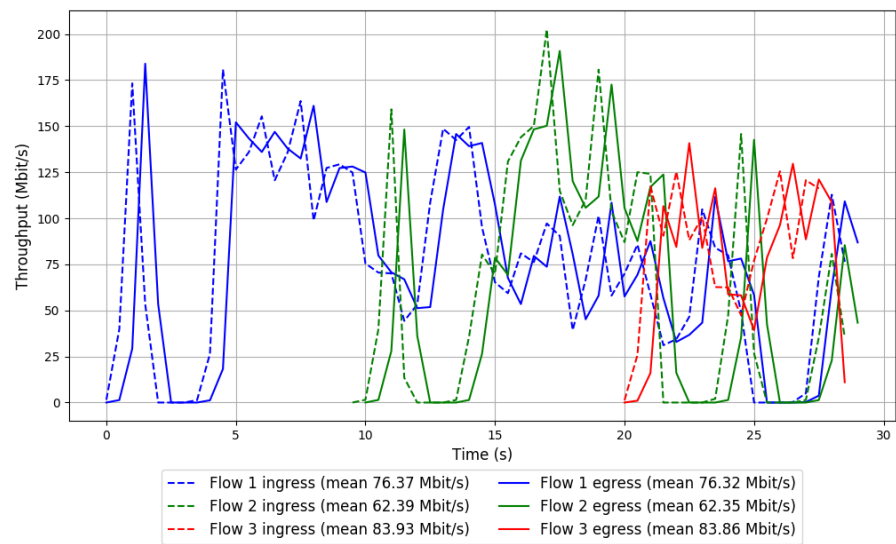


Run 8: Statistics of Copa

Start at: 2018-07-06 10:04:01
End at: 2018-07-06 10:04:31
Local clock offset: -0.455 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-06 11:40:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.29 Mbit/s
95th percentile per-packet one-way delay: 56.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 54.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 59.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 53.911 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

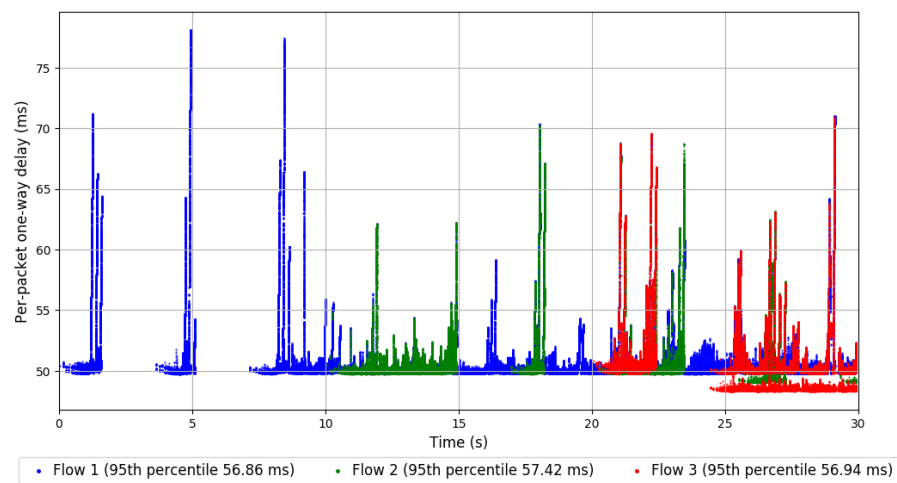
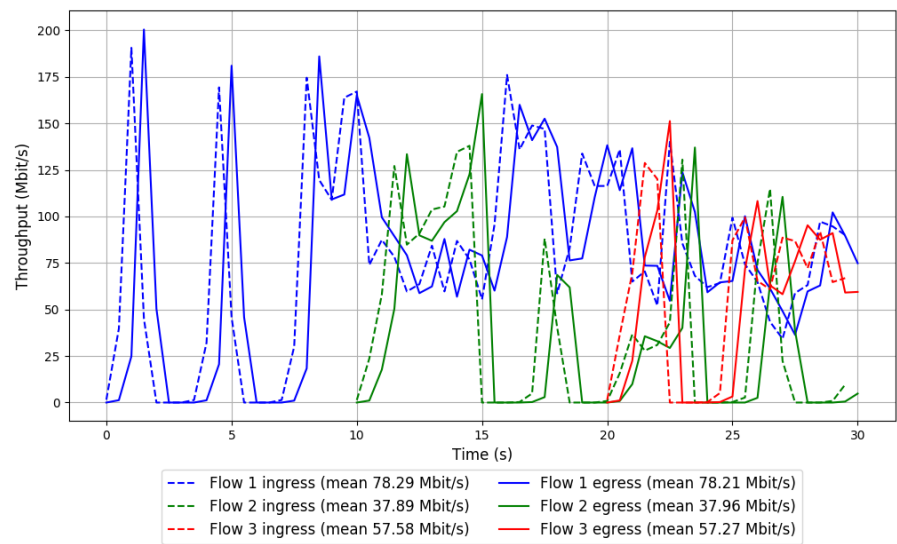


Run 9: Statistics of Copa

Start at: 2018-07-06 10:27:50
End at: 2018-07-06 10:28:20
Local clock offset: -0.463 ms
Remote clock offset: -0.061 ms

```
# Below is generated by plot.py at 2018-07-06 11:40:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.35 Mbit/s
95th percentile per-packet one-way delay: 56.997 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 56.858 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 56.941 ms
Loss rate: 1.44%
```

Run 9: Report of Copa — Data Link

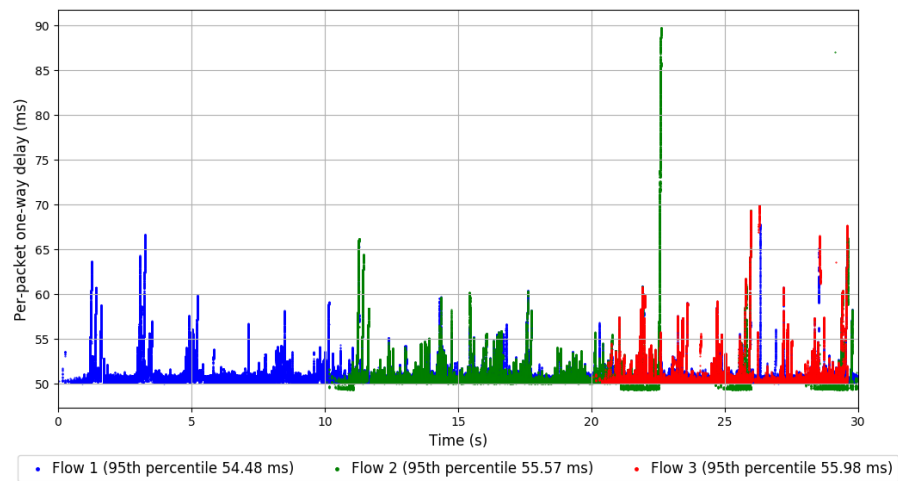
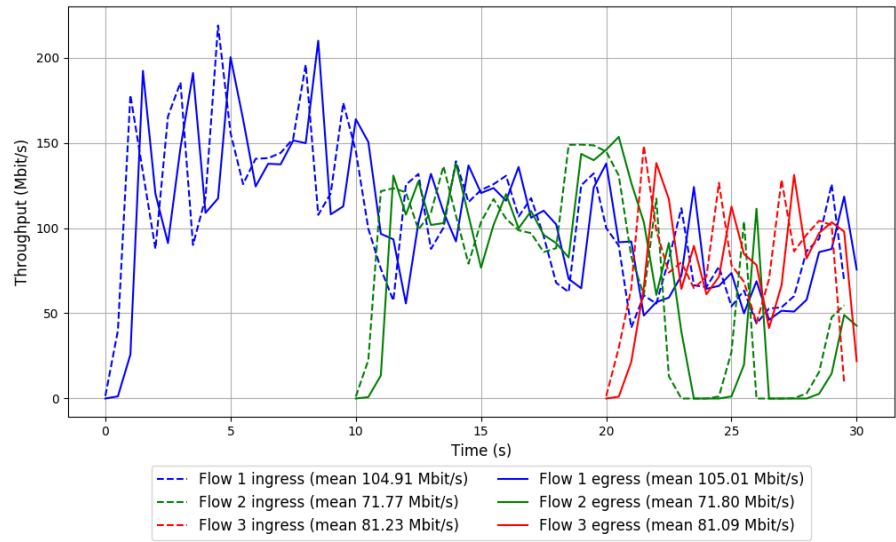


Run 10: Statistics of Copa

Start at: 2018-07-06 10:51:33
End at: 2018-07-06 10:52:03
Local clock offset: -0.15 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-06 11:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.64 Mbit/s
95th percentile per-packet one-way delay: 55.010 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 105.01 Mbit/s
95th percentile per-packet one-way delay: 54.483 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 71.80 Mbit/s
95th percentile per-packet one-way delay: 55.573 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 55.975 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-06 07:11:15

End at: 2018-07-06 07:11:45

Local clock offset: -0.059 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-06 11:41:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.72 Mbit/s

95th percentile per-packet one-way delay: 73.576 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 207.24 Mbit/s

95th percentile per-packet one-way delay: 74.389 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 129.45 Mbit/s

95th percentile per-packet one-way delay: 71.798 ms

Loss rate: 0.75%

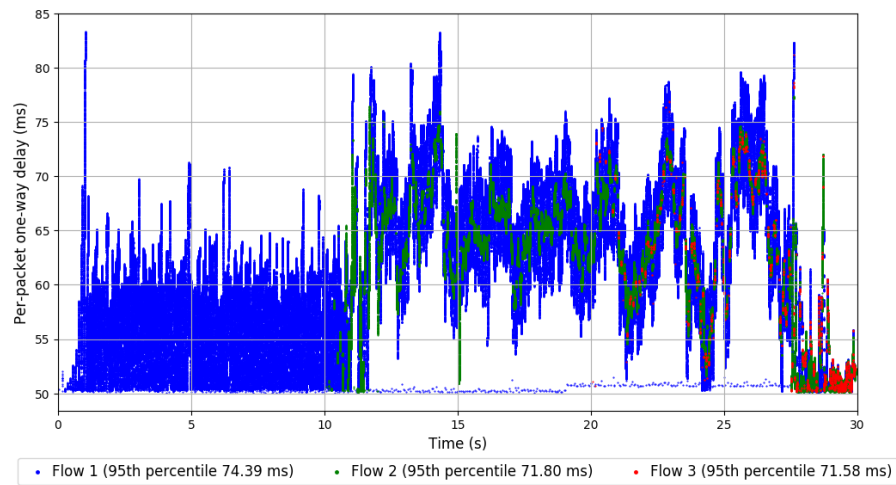
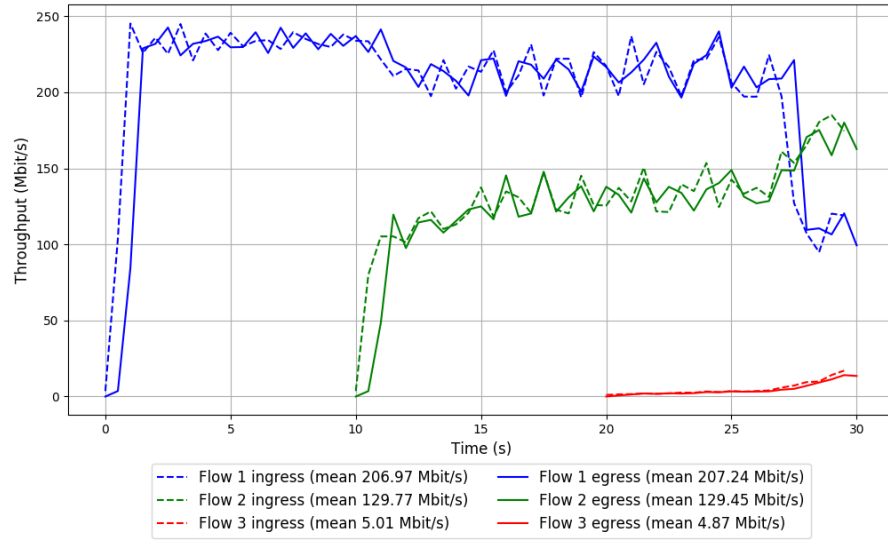
-- Flow 3:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 71.576 ms

Loss rate: 3.81%

Run 1: Report of TCP Cubic — Data Link

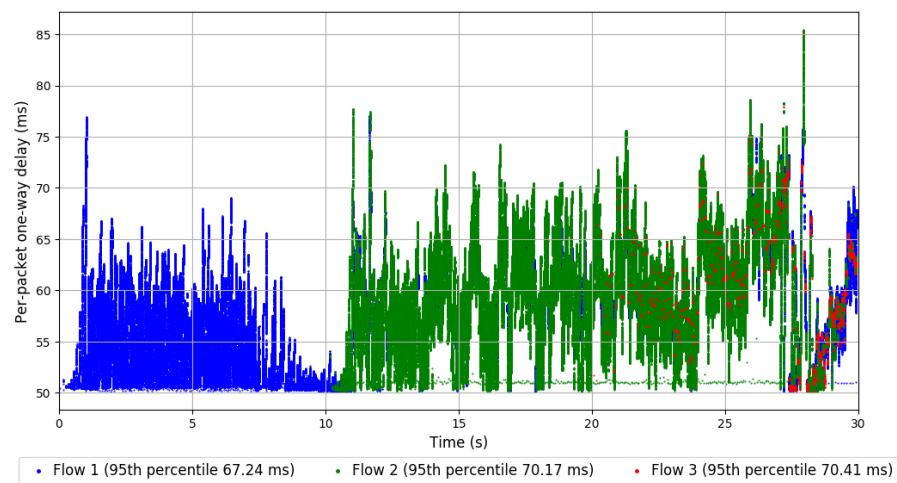
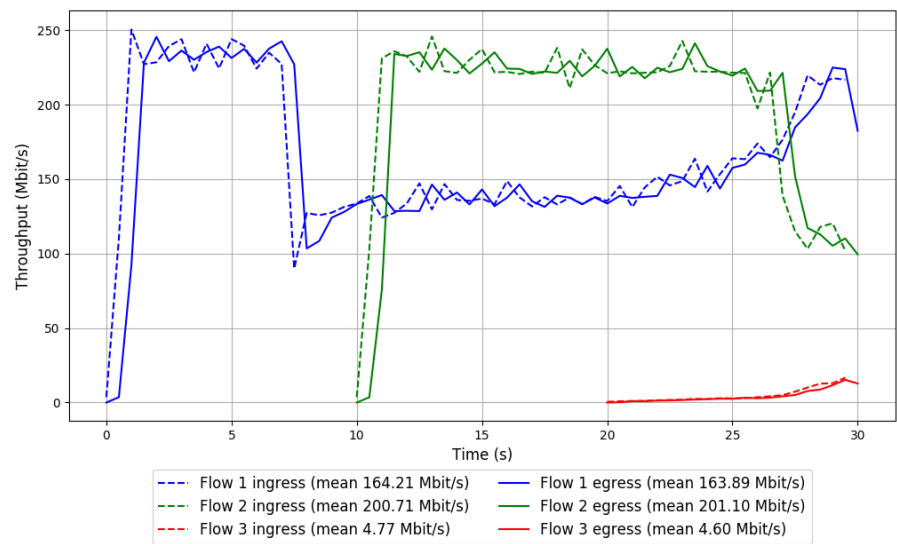


Run 2: Statistics of TCP Cubic

Start at: 2018-07-06 07:35:04
End at: 2018-07-06 07:35:34
Local clock offset: 0.292 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-06 11:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.94 Mbit/s
95th percentile per-packet one-way delay: 68.854 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 163.89 Mbit/s
95th percentile per-packet one-way delay: 67.237 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 201.10 Mbit/s
95th percentile per-packet one-way delay: 70.174 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 70.407 ms
Loss rate: 4.56%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-06 07:59:07

End at: 2018-07-06 07:59:37

Local clock offset: -0.055 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-06 11:41:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.34 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 125.97 Mbit/s

95th percentile per-packet one-way delay: 85.870 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 203.21 Mbit/s

95th percentile per-packet one-way delay: 88.116 ms

Loss rate: 0.60%

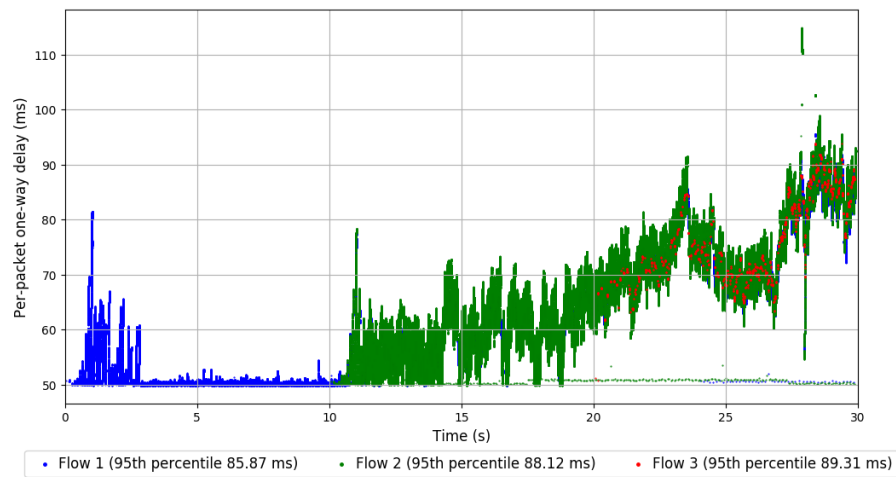
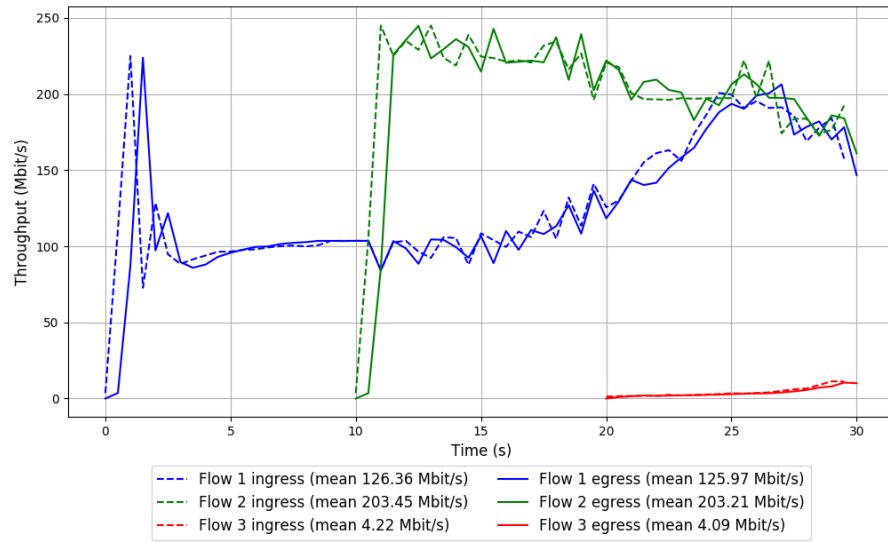
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 89.310 ms

Loss rate: 4.54%

Run 3: Report of TCP Cubic — Data Link

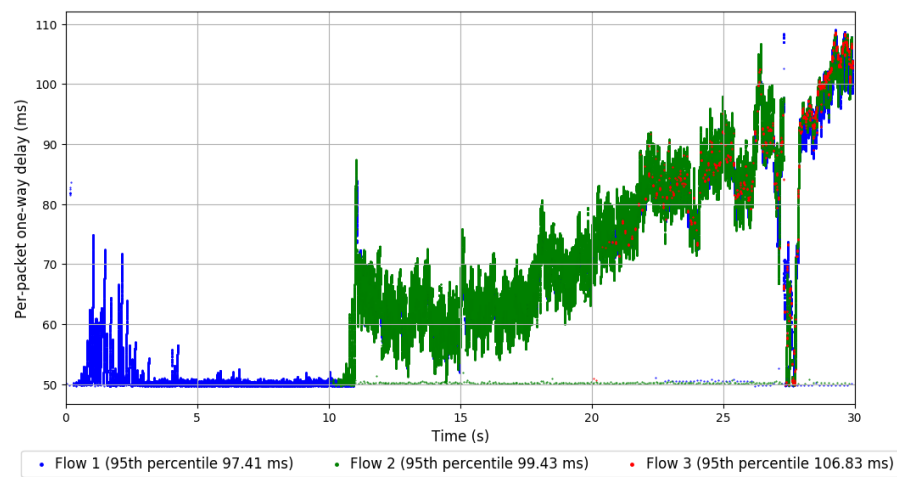
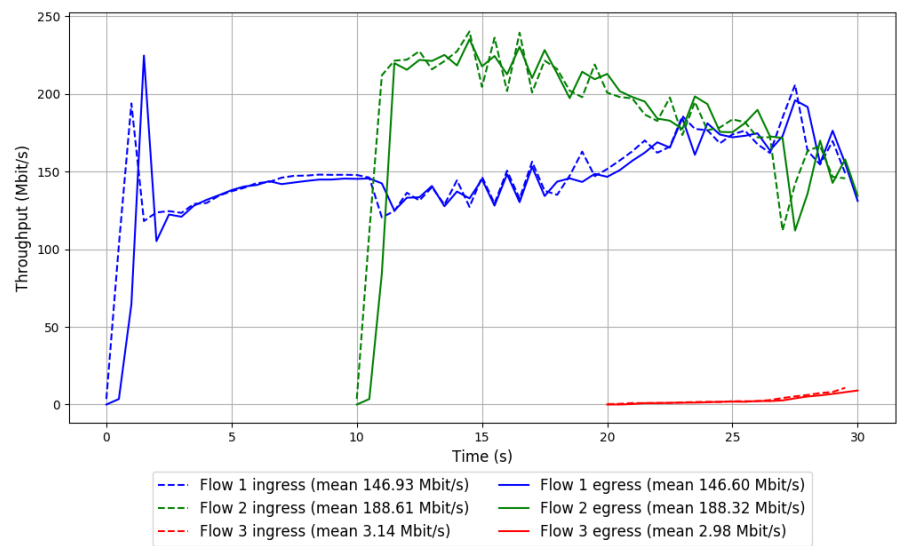


Run 4: Statistics of TCP Cubic

Start at: 2018-07-06 08:23:08
End at: 2018-07-06 08:23:38
Local clock offset: -0.021 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-06 11:41:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.52 Mbit/s
95th percentile per-packet one-way delay: 99.174 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 146.60 Mbit/s
95th percentile per-packet one-way delay: 97.406 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 188.32 Mbit/s
95th percentile per-packet one-way delay: 99.431 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 106.825 ms
Loss rate: 6.07%

Run 4: Report of TCP Cubic — Data Link

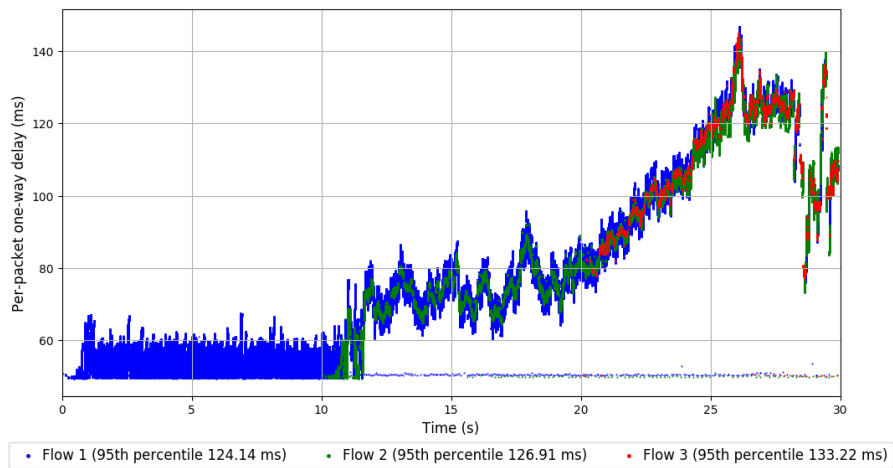
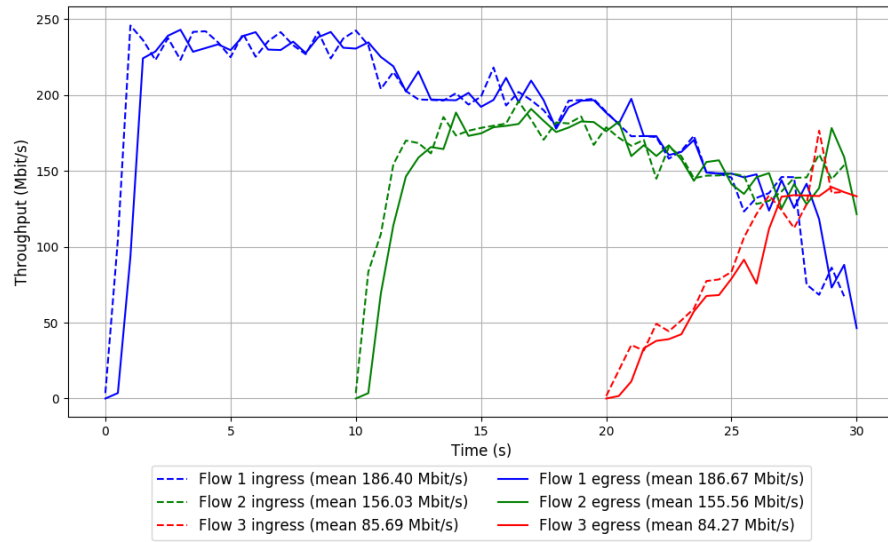


Run 5: Statistics of TCP Cubic

Start at: 2018-07-06 08:47:01
End at: 2018-07-06 08:47:31
Local clock offset: -0.476 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-07-06 11:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.82 Mbit/s
95th percentile per-packet one-way delay: 126.840 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 186.67 Mbit/s
95th percentile per-packet one-way delay: 124.136 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 155.56 Mbit/s
95th percentile per-packet one-way delay: 126.914 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 133.216 ms
Loss rate: 2.66%

Run 5: Report of TCP Cubic — Data Link

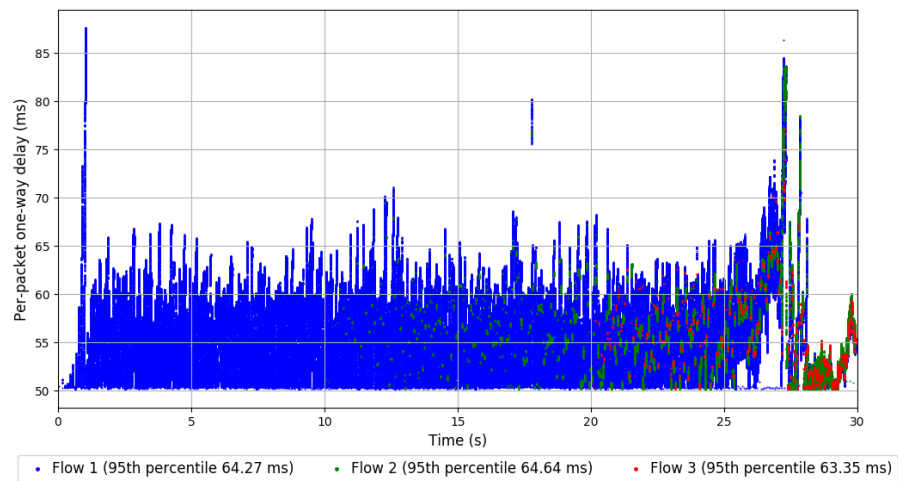
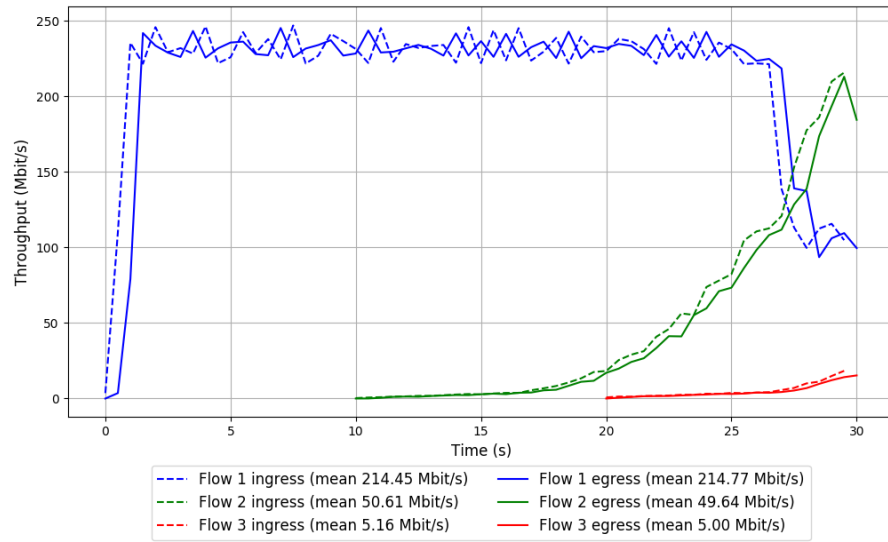


Run 6: Statistics of TCP Cubic

Start at: 2018-07-06 09:10:41
End at: 2018-07-06 09:11:11
Local clock offset: -0.151 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-06 11:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.41 Mbit/s
95th percentile per-packet one-way delay: 64.326 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 214.77 Mbit/s
95th percentile per-packet one-way delay: 64.272 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 64.639 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 4.09%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-06 09:34:41

End at: 2018-07-06 09:35:11

Local clock offset: -0.114 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-06 11:44:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.15 Mbit/s

95th percentile per-packet one-way delay: 70.019 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 161.37 Mbit/s

95th percentile per-packet one-way delay: 70.440 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 158.21 Mbit/s

95th percentile per-packet one-way delay: 69.768 ms

Loss rate: 0.47%

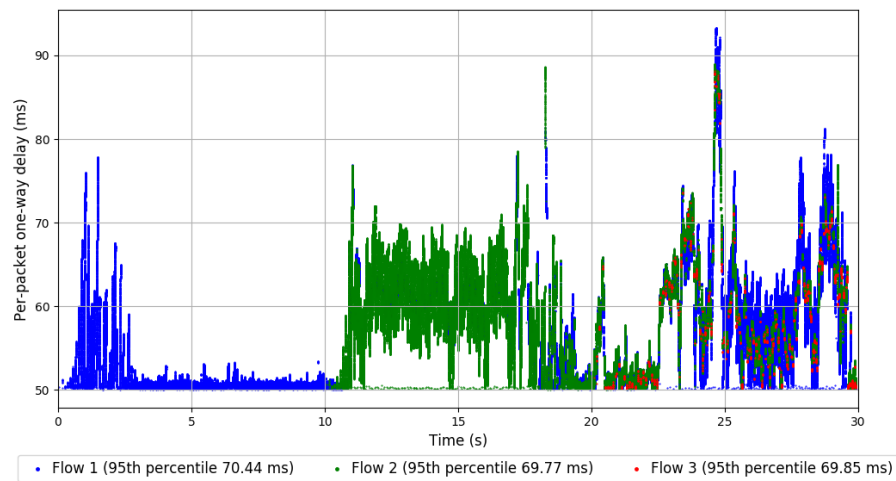
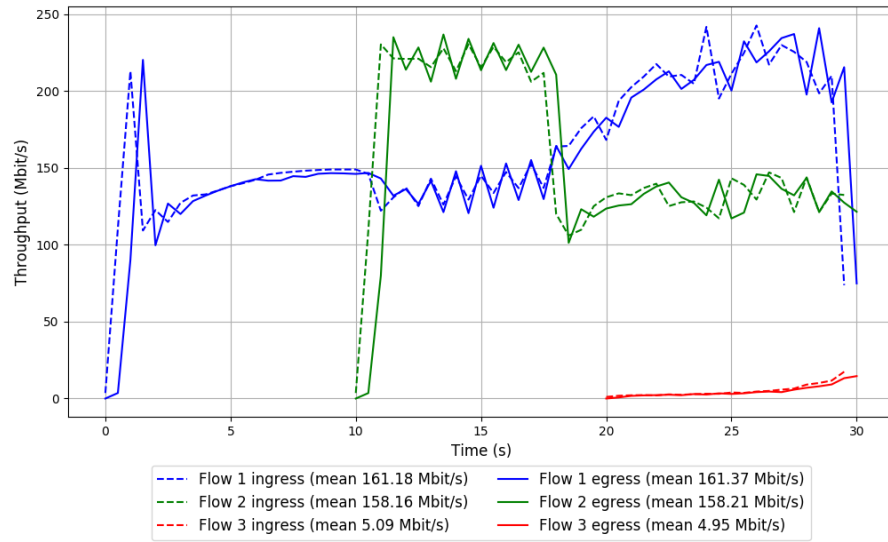
-- Flow 3:

Average throughput: 4.95 Mbit/s

95th percentile per-packet one-way delay: 69.851 ms

Loss rate: 3.79%

Run 7: Report of TCP Cubic — Data Link

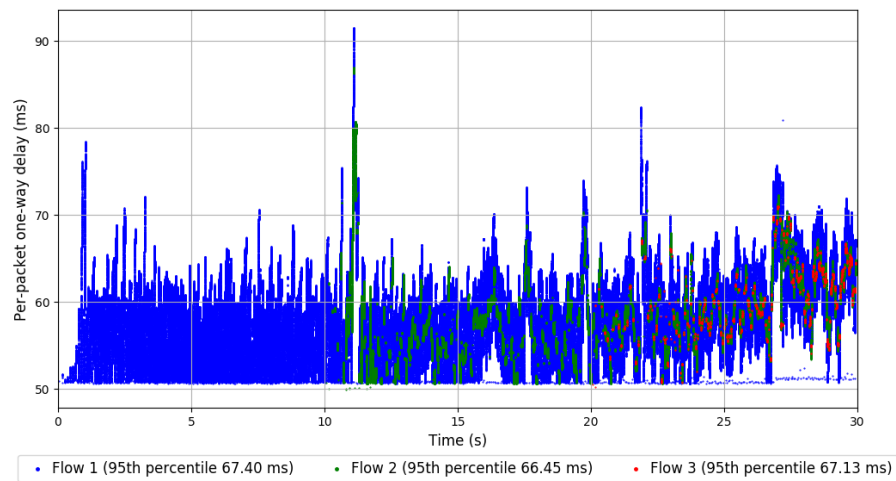
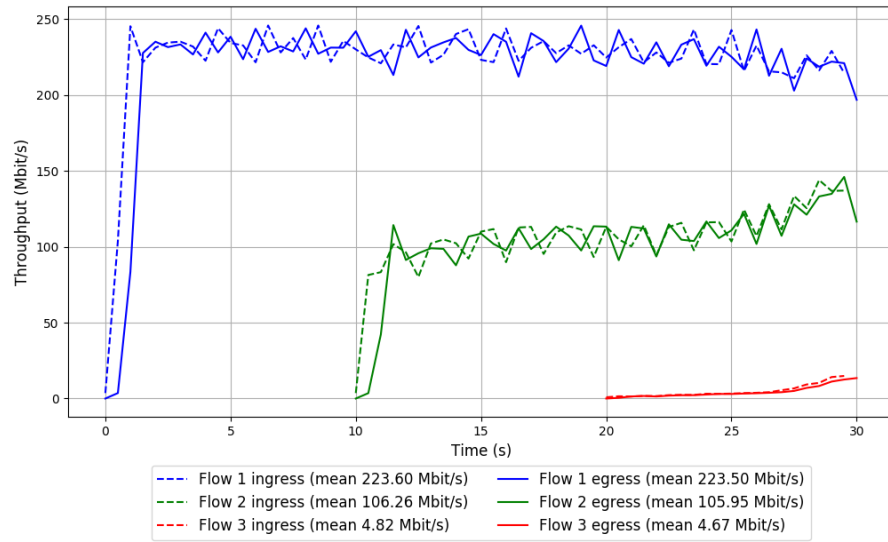


Run 8: Statistics of TCP Cubic

Start at: 2018-07-06 09:58:37
End at: 2018-07-06 09:59:07
Local clock offset: 0.262 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-06 11:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.44 Mbit/s
95th percentile per-packet one-way delay: 67.218 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 223.50 Mbit/s
95th percentile per-packet one-way delay: 67.396 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 105.95 Mbit/s
95th percentile per-packet one-way delay: 66.451 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 67.130 ms
Loss rate: 4.05%

Run 8: Report of TCP Cubic — Data Link

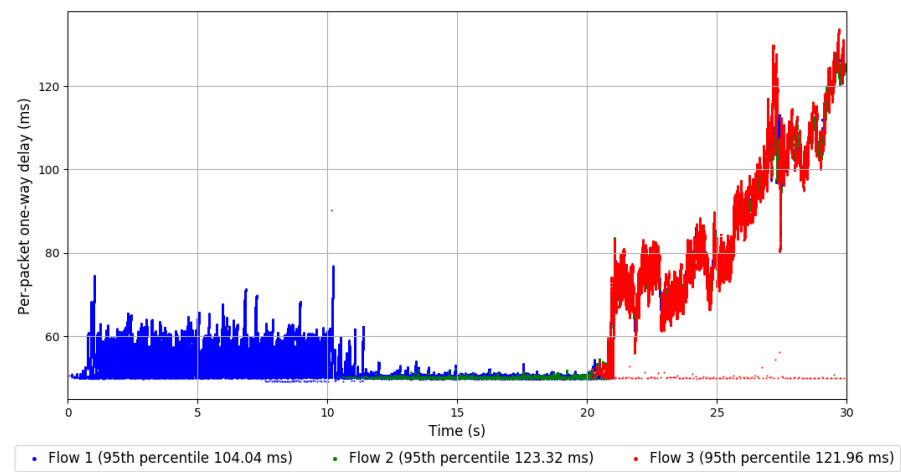
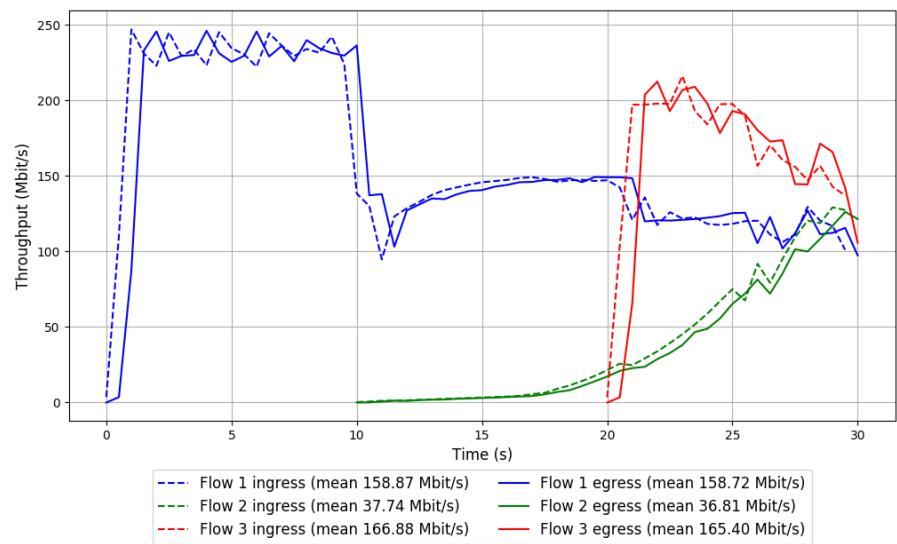


Run 9: Statistics of TCP Cubic

Start at: 2018-07-06 10:22:26
End at: 2018-07-06 10:22:57
Local clock offset: -0.473 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-06 11:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 112.644 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 158.72 Mbit/s
95th percentile per-packet one-way delay: 104.037 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 123.323 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 165.40 Mbit/s
95th percentile per-packet one-way delay: 121.963 ms
Loss rate: 1.44%

Run 9: Report of TCP Cubic — Data Link

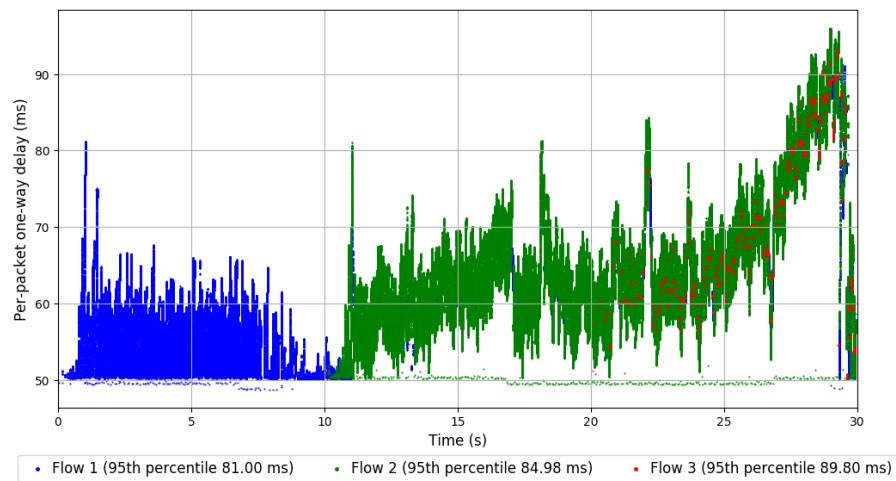
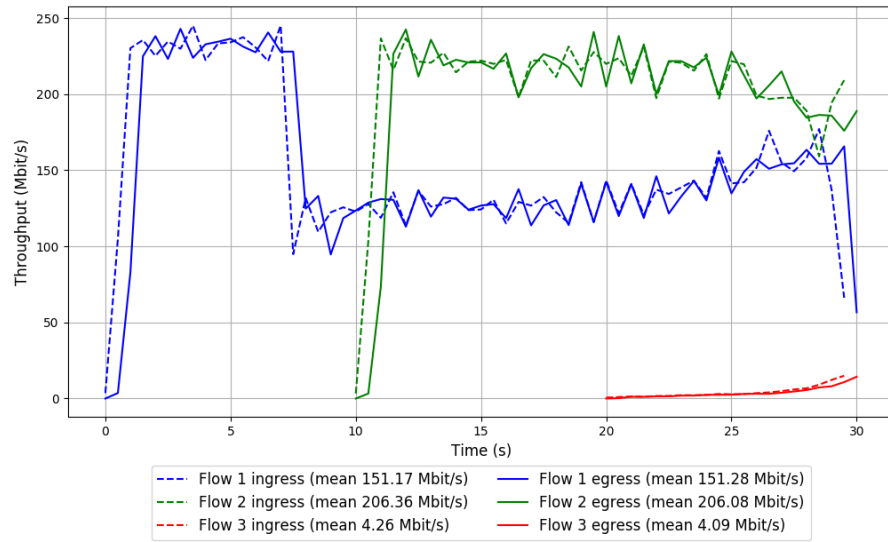


Run 10: Statistics of TCP Cubic

Start at: 2018-07-06 10:46:07
End at: 2018-07-06 10:46:37
Local clock offset: -0.139 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-06 11:45:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.64 Mbit/s
95th percentile per-packet one-way delay: 83.575 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 81.001 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 206.08 Mbit/s
95th percentile per-packet one-way delay: 84.978 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 89.796 ms
Loss rate: 4.94%

Run 10: Report of TCP Cubic — Data Link

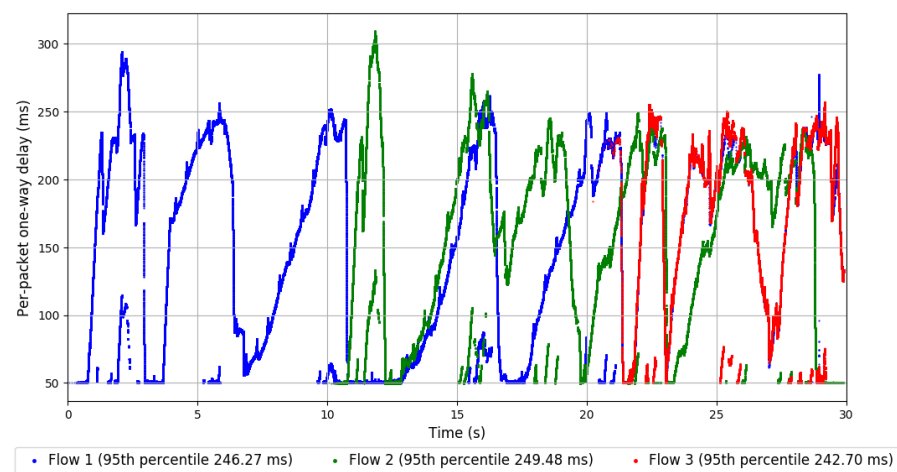
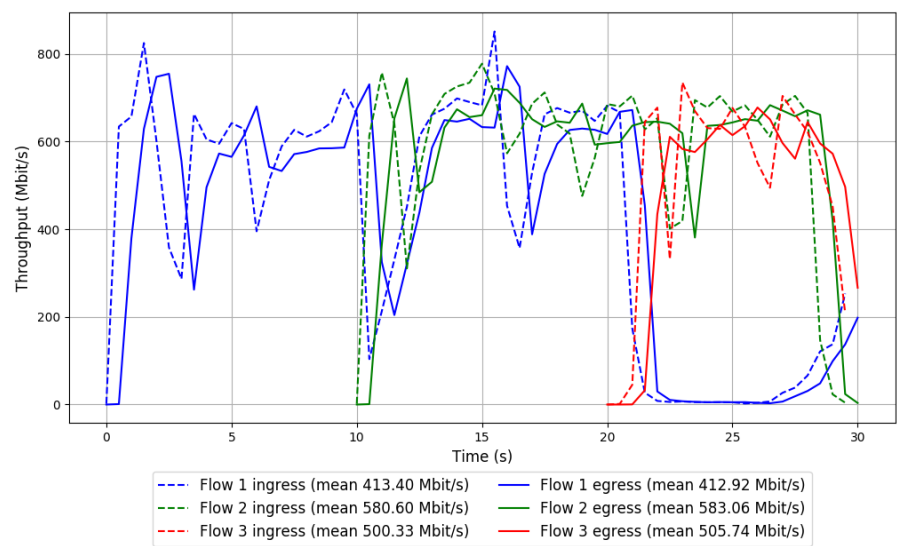


Run 1: Statistics of FillP

Start at: 2018-07-06 07:22:22
End at: 2018-07-06 07:22:52
Local clock offset: -0.417 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-06 11:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 964.40 Mbit/s
95th percentile per-packet one-way delay: 245.286 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 412.92 Mbit/s
95th percentile per-packet one-way delay: 246.269 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 583.06 Mbit/s
95th percentile per-packet one-way delay: 249.476 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 505.74 Mbit/s
95th percentile per-packet one-way delay: 242.702 ms
Loss rate: 1.31%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-06 07:46:11

End at: 2018-07-06 07:46:41

Local clock offset: -0.137 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-06 12:03:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1144.45 Mbit/s

95th percentile per-packet one-way delay: 259.455 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 588.87 Mbit/s

95th percentile per-packet one-way delay: 236.587 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 584.60 Mbit/s

95th percentile per-packet one-way delay: 283.793 ms

Loss rate: 2.35%

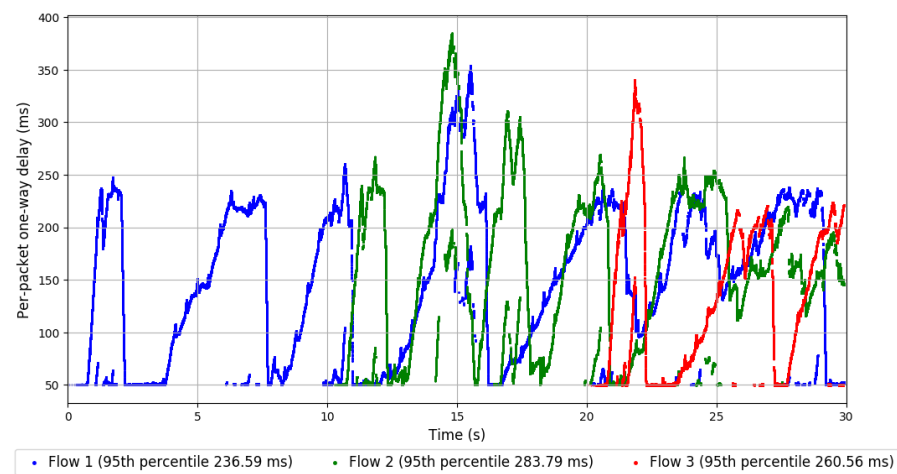
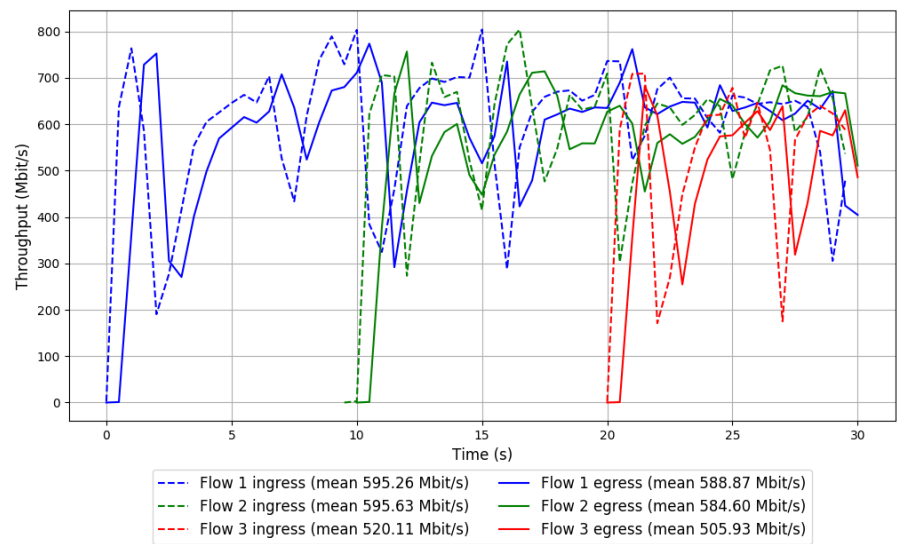
-- Flow 3:

Average throughput: 505.93 Mbit/s

95th percentile per-packet one-way delay: 260.563 ms

Loss rate: 3.71%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-06 08:10:05

End at: 2018-07-06 08:10:35

Local clock offset: -0.016 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-06 12:06:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1165.74 Mbit/s

95th percentile per-packet one-way delay: 238.410 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 593.21 Mbit/s

95th percentile per-packet one-way delay: 243.543 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 589.44 Mbit/s

95th percentile per-packet one-way delay: 236.509 ms

Loss rate: 1.05%

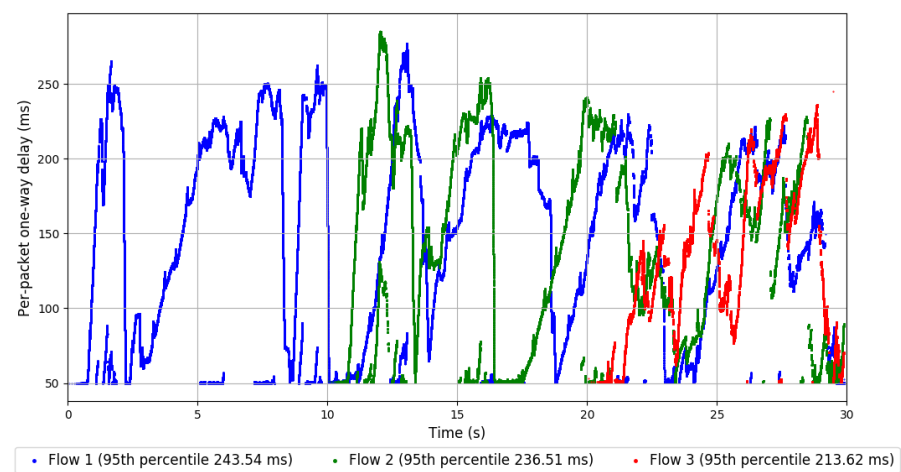
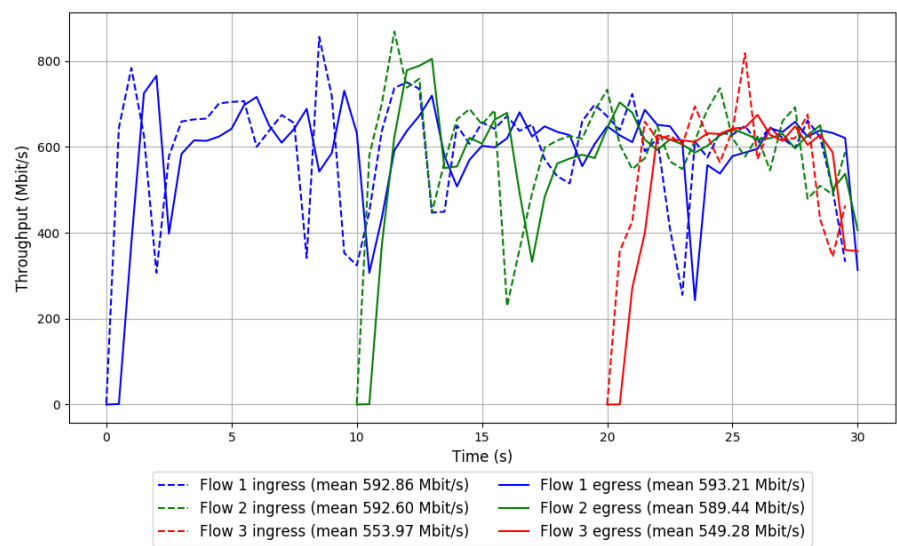
-- Flow 3:

Average throughput: 549.28 Mbit/s

95th percentile per-packet one-way delay: 213.624 ms

Loss rate: 1.89%

Run 3: Report of FillP — Data Link

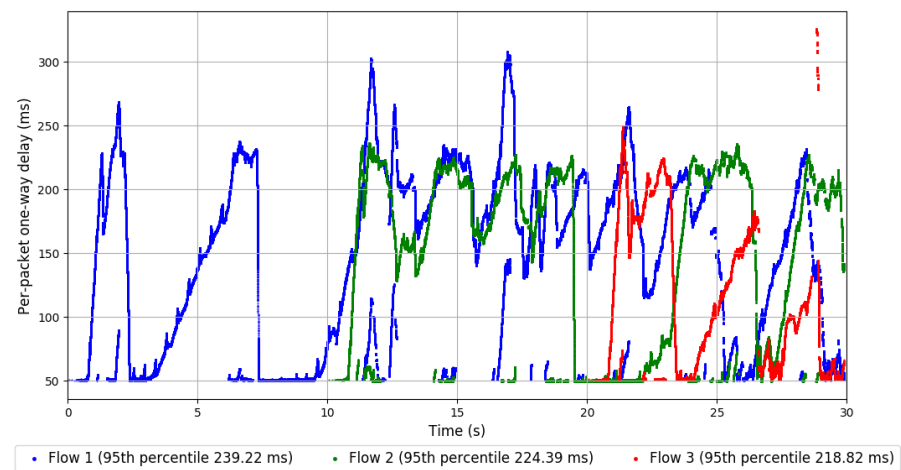
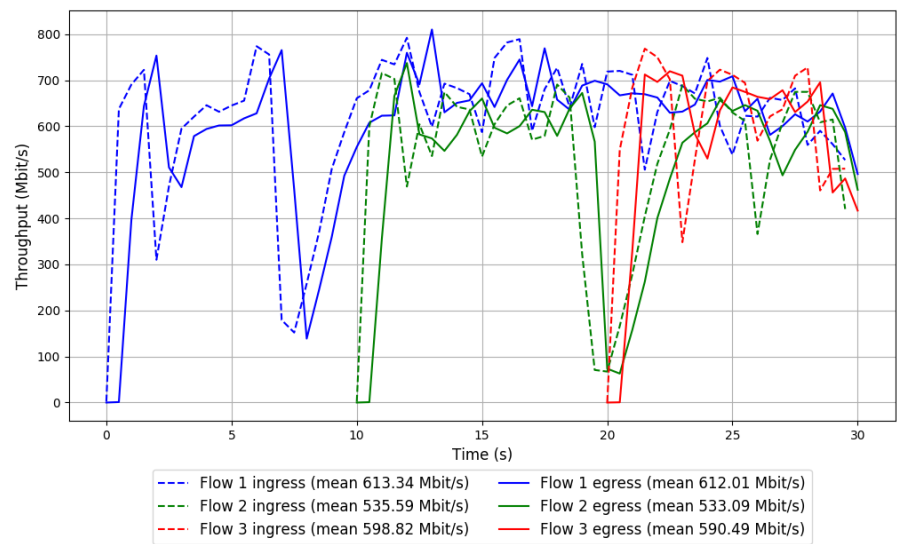


Run 4: Statistics of FillP

Start at: 2018-07-06 08:34:12
End at: 2018-07-06 08:34:42
Local clock offset: -0.027 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-06 12:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1160.78 Mbit/s
95th percentile per-packet one-way delay: 229.626 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 612.01 Mbit/s
95th percentile per-packet one-way delay: 239.225 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 533.09 Mbit/s
95th percentile per-packet one-way delay: 224.394 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 590.49 Mbit/s
95th percentile per-packet one-way delay: 218.819 ms
Loss rate: 2.38%

Run 4: Report of FillP — Data Link

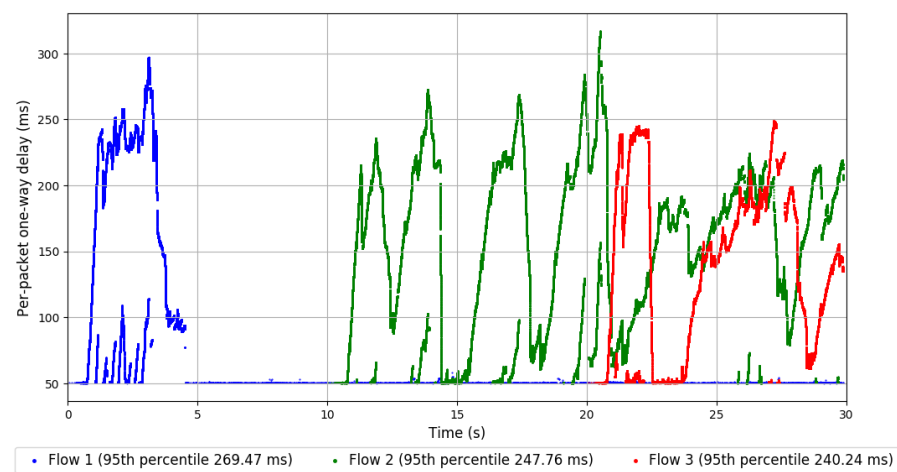
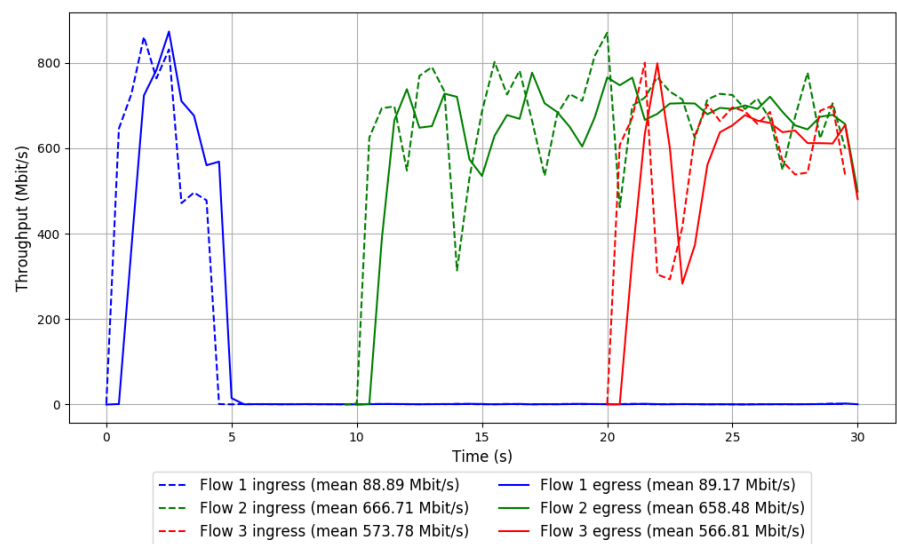


Run 5: Statistics of FillP

Start at: 2018-07-06 08:58:06
End at: 2018-07-06 08:58:36
Local clock offset: -0.138 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-06 12:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 713.67 Mbit/s
95th percentile per-packet one-way delay: 246.286 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 269.468 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 658.48 Mbit/s
95th percentile per-packet one-way delay: 247.757 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 566.81 Mbit/s
95th percentile per-packet one-way delay: 240.243 ms
Loss rate: 2.22%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-06 09:21:45

End at: 2018-07-06 09:22:15

Local clock offset: 0.274 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-06 12:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.38 Mbit/s

95th percentile per-packet one-way delay: 241.620 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 596.60 Mbit/s

95th percentile per-packet one-way delay: 242.749 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 631.65 Mbit/s

95th percentile per-packet one-way delay: 226.953 ms

Loss rate: 1.17%

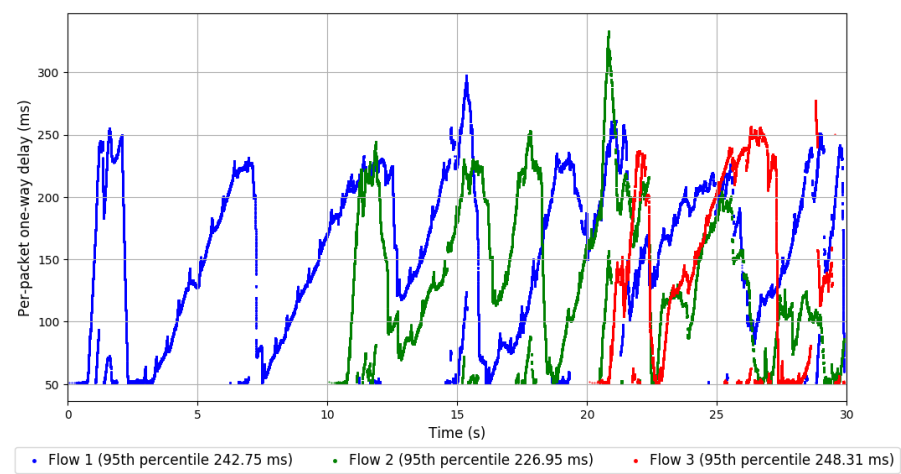
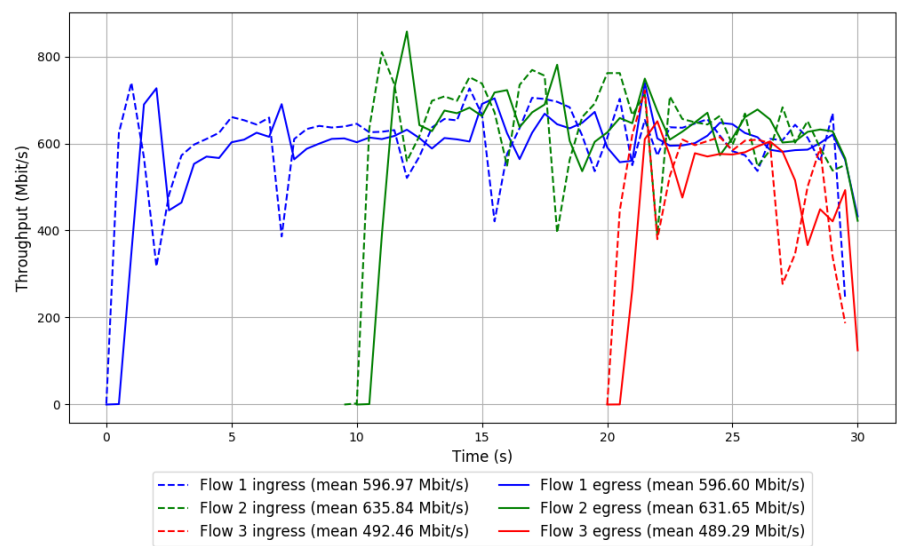
-- Flow 3:

Average throughput: 489.29 Mbit/s

95th percentile per-packet one-way delay: 248.310 ms

Loss rate: 1.64%

Run 6: Report of FillP — Data Link

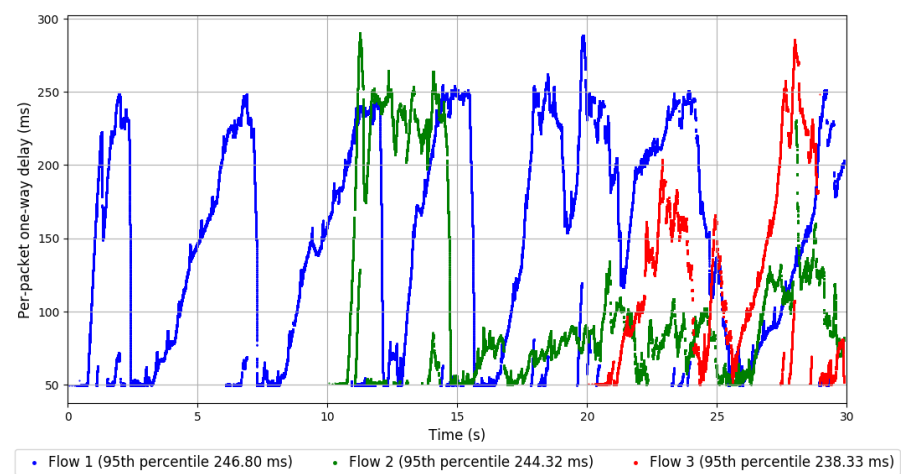
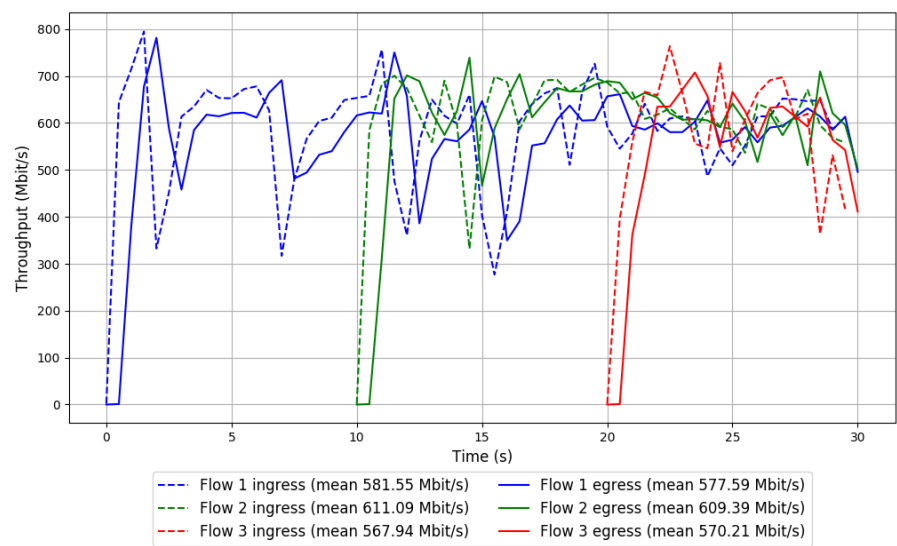


Run 7: Statistics of FillP

Start at: 2018-07-06 09:45:37
End at: 2018-07-06 09:46:07
Local clock offset: -0.075 ms
Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-07-06 12:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1170.14 Mbit/s
95th percentile per-packet one-way delay: 245.968 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 577.59 Mbit/s
95th percentile per-packet one-way delay: 246.804 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 609.39 Mbit/s
95th percentile per-packet one-way delay: 244.318 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 570.21 Mbit/s
95th percentile per-packet one-way delay: 238.331 ms
Loss rate: 0.60%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-06 10:09:32

End at: 2018-07-06 10:10:02

Local clock offset: -0.15 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-06 12:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1093.24 Mbit/s

95th percentile per-packet one-way delay: 274.221 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 512.89 Mbit/s

95th percentile per-packet one-way delay: 262.955 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 592.52 Mbit/s

95th percentile per-packet one-way delay: 289.340 ms

Loss rate: 3.59%

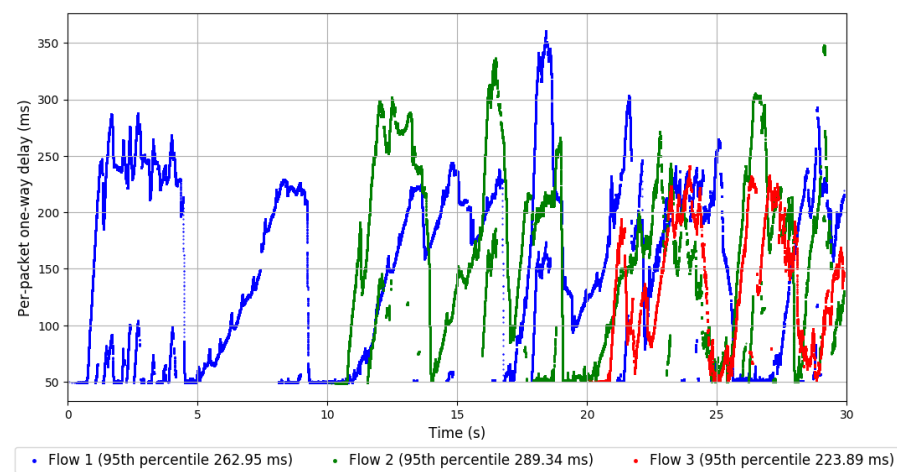
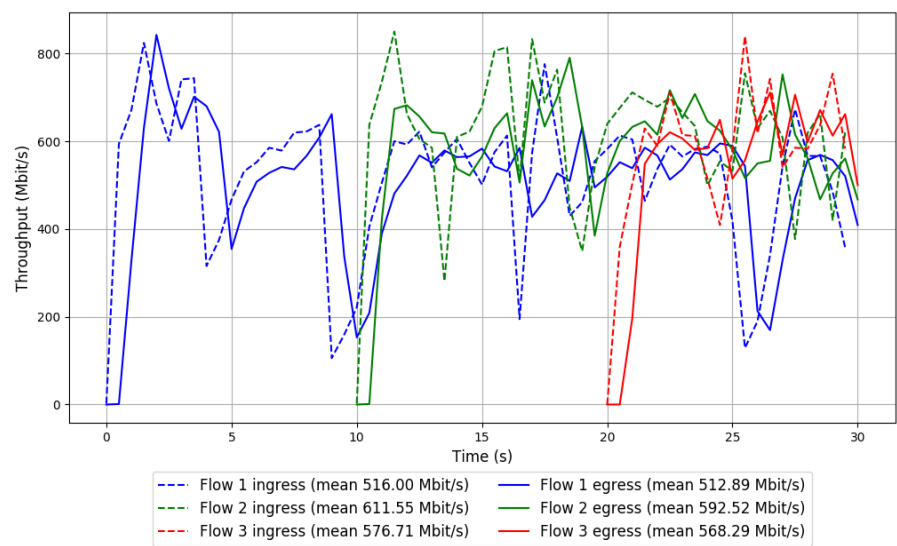
-- Flow 3:

Average throughput: 568.29 Mbit/s

95th percentile per-packet one-way delay: 223.892 ms

Loss rate: 2.46%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-06 10:33:18

End at: 2018-07-06 10:33:48

Local clock offset: 0.228 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-06 12:18:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 959.17 Mbit/s

95th percentile per-packet one-way delay: 238.763 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 395.97 Mbit/s

95th percentile per-packet one-way delay: 231.929 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 556.65 Mbit/s

95th percentile per-packet one-way delay: 248.283 ms

Loss rate: 2.15%

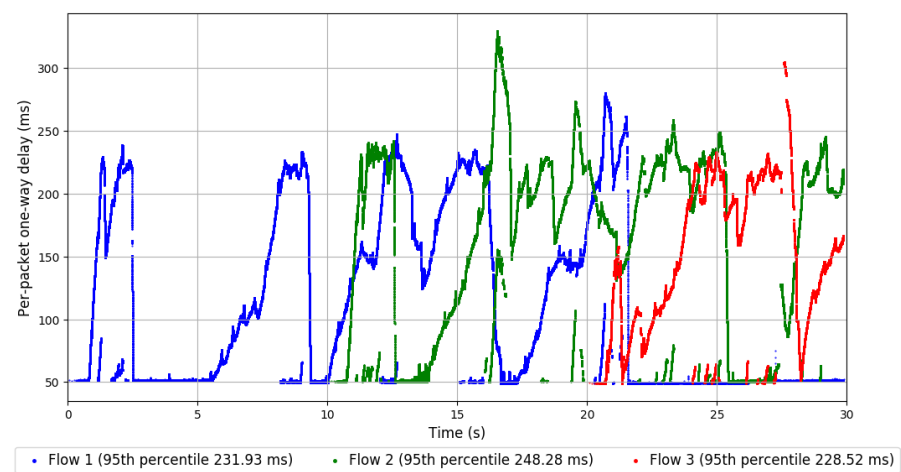
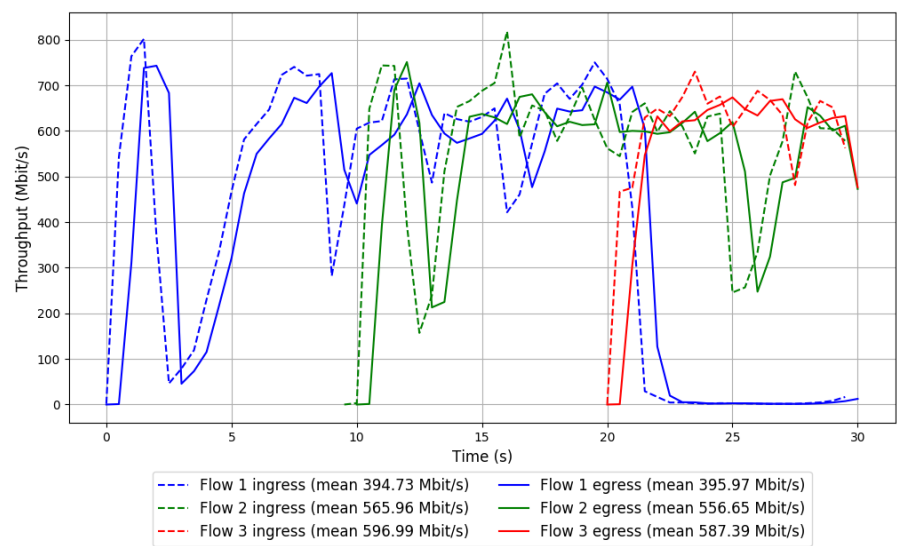
-- Flow 3:

Average throughput: 587.39 Mbit/s

95th percentile per-packet one-way delay: 228.516 ms

Loss rate: 2.62%

Run 9: Report of FillP — Data Link

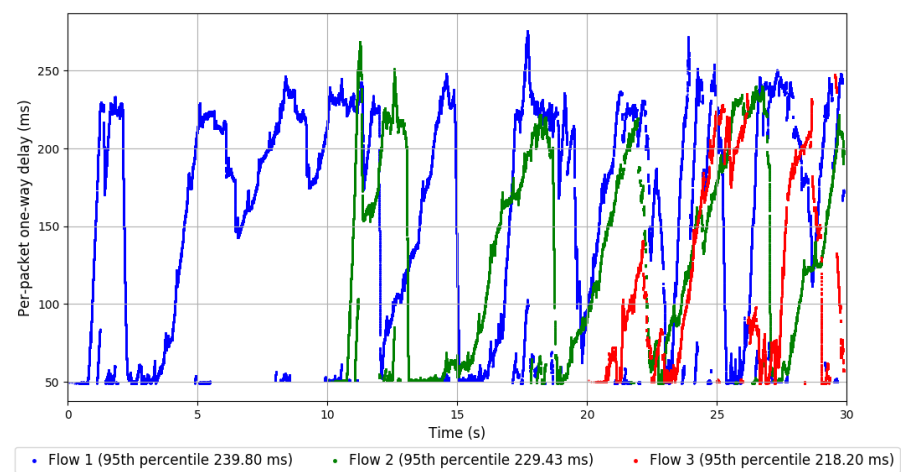
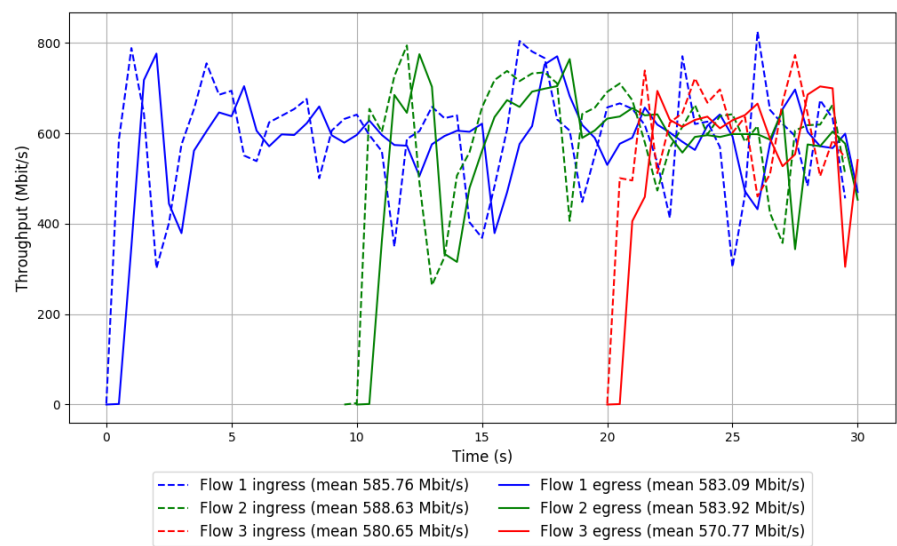


Run 10: Statistics of FillP

Start at: 2018-07-06 10:57:08
End at: 2018-07-06 10:57:38
Local clock offset: 0.268 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-06 12:24:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1159.57 Mbit/s
95th percentile per-packet one-way delay: 235.975 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 583.09 Mbit/s
95th percentile per-packet one-way delay: 239.797 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 583.92 Mbit/s
95th percentile per-packet one-way delay: 229.425 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 570.77 Mbit/s
95th percentile per-packet one-way delay: 218.196 ms
Loss rate: 2.71%

Run 10: Report of FillP — Data Link

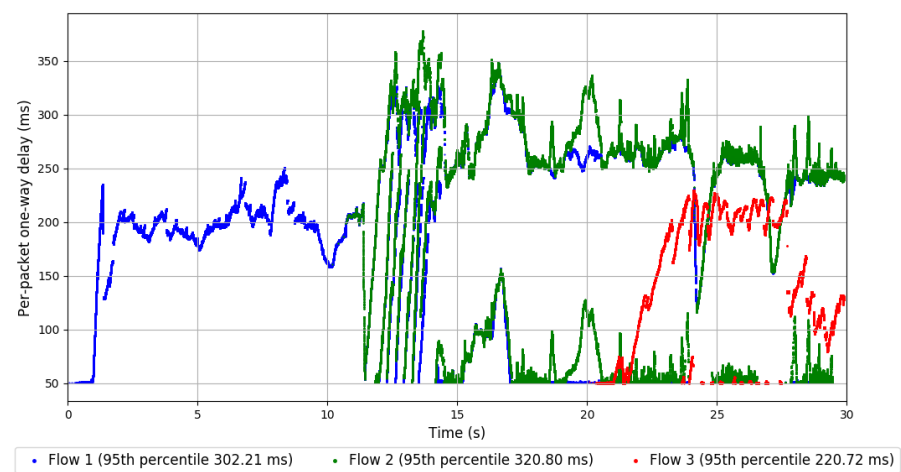
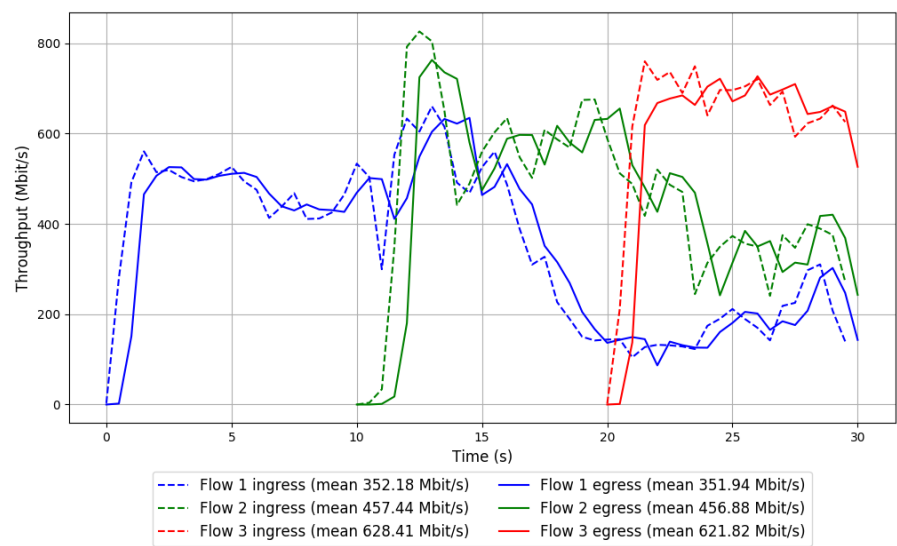


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-06 07:31:58
End at: 2018-07-06 07:32:28
Local clock offset: -0.08 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-06 12:24:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 857.78 Mbit/s
95th percentile per-packet one-way delay: 304.260 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 351.94 Mbit/s
95th percentile per-packet one-way delay: 302.215 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 456.88 Mbit/s
95th percentile per-packet one-way delay: 320.799 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 621.82 Mbit/s
95th percentile per-packet one-way delay: 220.718 ms
Loss rate: 2.06%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-06 07:55:55

End at: 2018-07-06 07:56:25

Local clock offset: -0.451 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-06 12:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1124.35 Mbit/s

95th percentile per-packet one-way delay: 247.643 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 592.36 Mbit/s

95th percentile per-packet one-way delay: 268.172 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 546.52 Mbit/s

95th percentile per-packet one-way delay: 207.453 ms

Loss rate: 0.43%

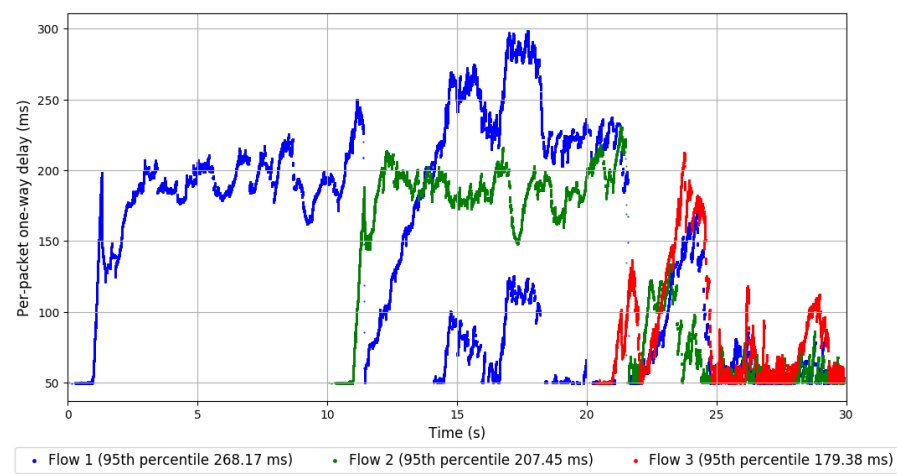
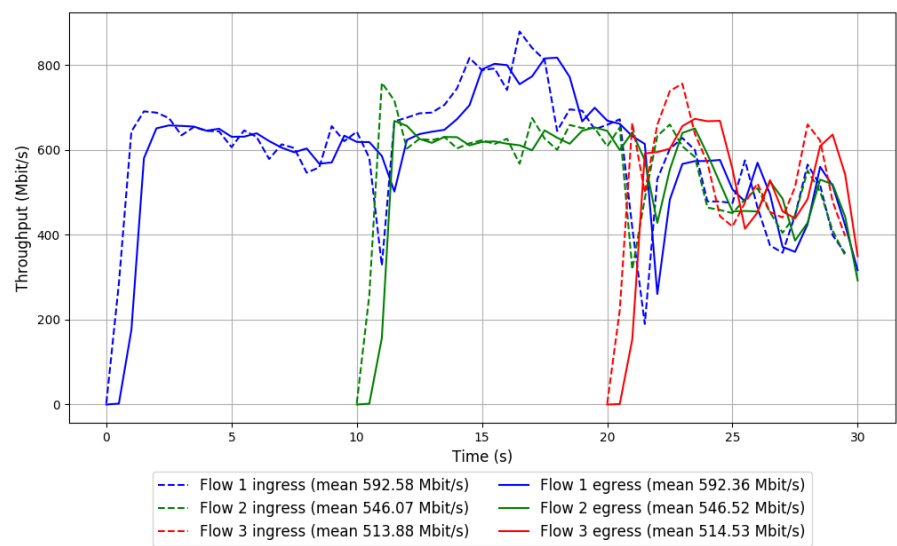
-- Flow 3:

Average throughput: 514.53 Mbit/s

95th percentile per-packet one-way delay: 179.378 ms

Loss rate: 0.99%

Run 2: Report of FillP-Sheep — Data Link

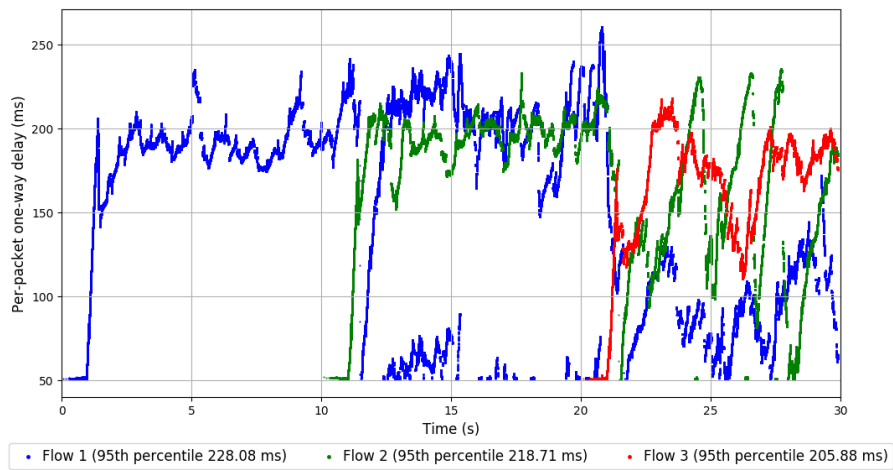
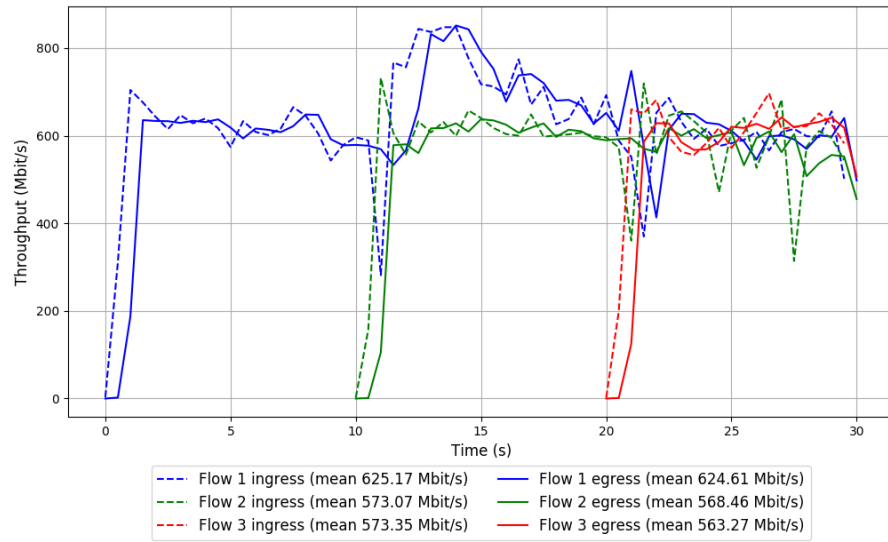


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-06 08:19:53
End at: 2018-07-06 08:20:23
Local clock offset: 0.372 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-06 12:31:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1186.87 Mbit/s
95th percentile per-packet one-way delay: 222.831 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 624.61 Mbit/s
95th percentile per-packet one-way delay: 228.079 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 568.46 Mbit/s
95th percentile per-packet one-way delay: 218.713 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 563.27 Mbit/s
95th percentile per-packet one-way delay: 205.882 ms
Loss rate: 2.77%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-06 08:43:55

End at: 2018-07-06 08:44:25

Local clock offset: -0.454 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-06 12:31:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 844.34 Mbit/s

95th percentile per-packet one-way delay: 261.223 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 296.08 Mbit/s

95th percentile per-packet one-way delay: 280.480 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 546.42 Mbit/s

95th percentile per-packet one-way delay: 232.921 ms

Loss rate: 1.54%

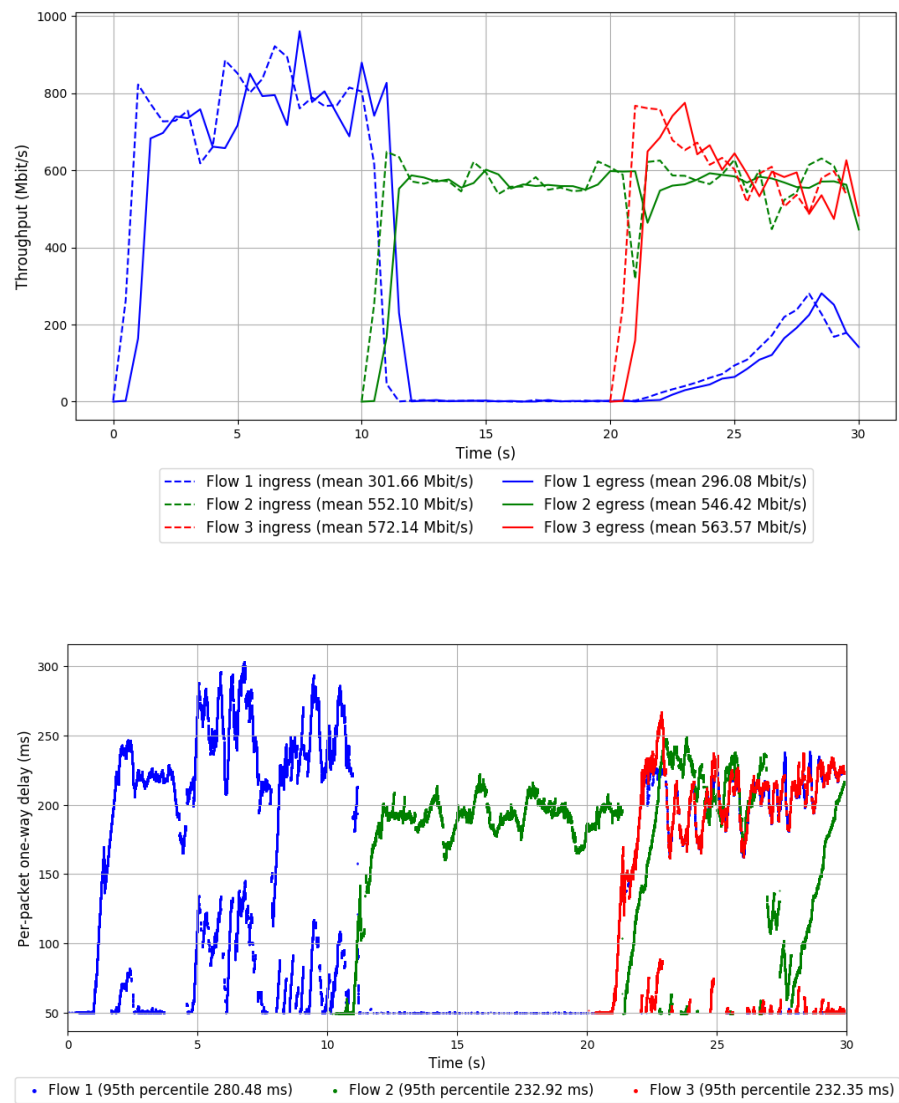
-- Flow 3:

Average throughput: 563.57 Mbit/s

95th percentile per-packet one-way delay: 232.346 ms

Loss rate: 2.51%

Run 4: Report of FillP-Sheep — Data Link

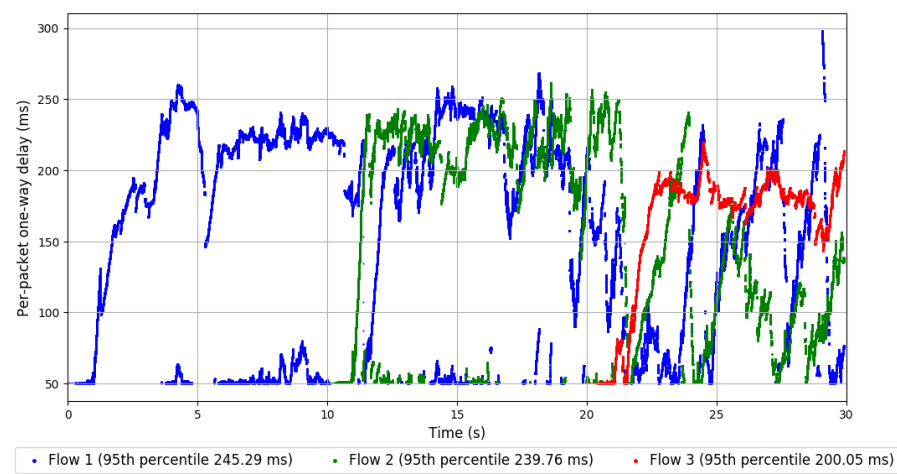
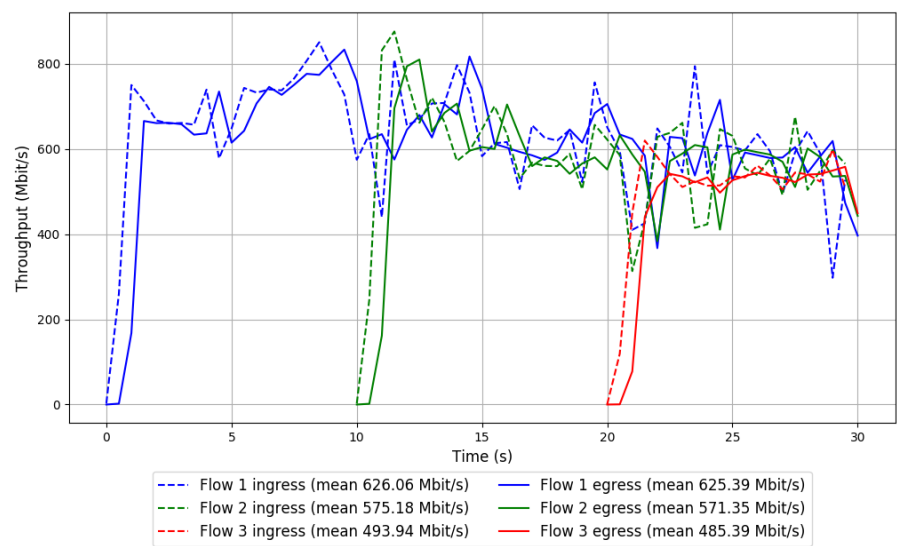


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-06 09:07:26
End at: 2018-07-06 09:07:56
Local clock offset: -0.166 ms
Remote clock offset: -0.325 ms

```
# Below is generated by plot.py at 2018-07-06 12:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1164.04 Mbit/s
95th percentile per-packet one-way delay: 241.996 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 625.39 Mbit/s
95th percentile per-packet one-way delay: 245.295 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 571.35 Mbit/s
95th percentile per-packet one-way delay: 239.764 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 485.39 Mbit/s
95th percentile per-packet one-way delay: 200.049 ms
Loss rate: 2.76%
```


Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-06 09:31:28

End at: 2018-07-06 09:31:58

Local clock offset: 0.268 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-06 12:32:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1125.65 Mbit/s

95th percentile per-packet one-way delay: 239.035 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 594.63 Mbit/s

95th percentile per-packet one-way delay: 268.341 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 551.57 Mbit/s

95th percentile per-packet one-way delay: 211.215 ms

Loss rate: 0.94%

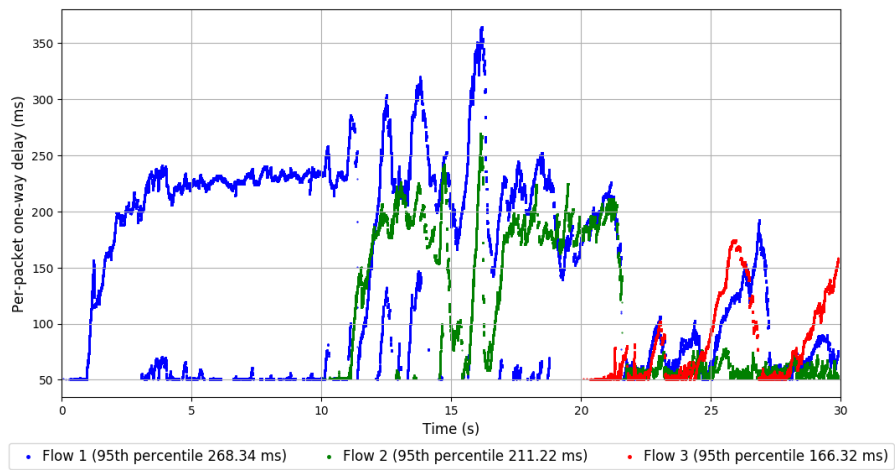
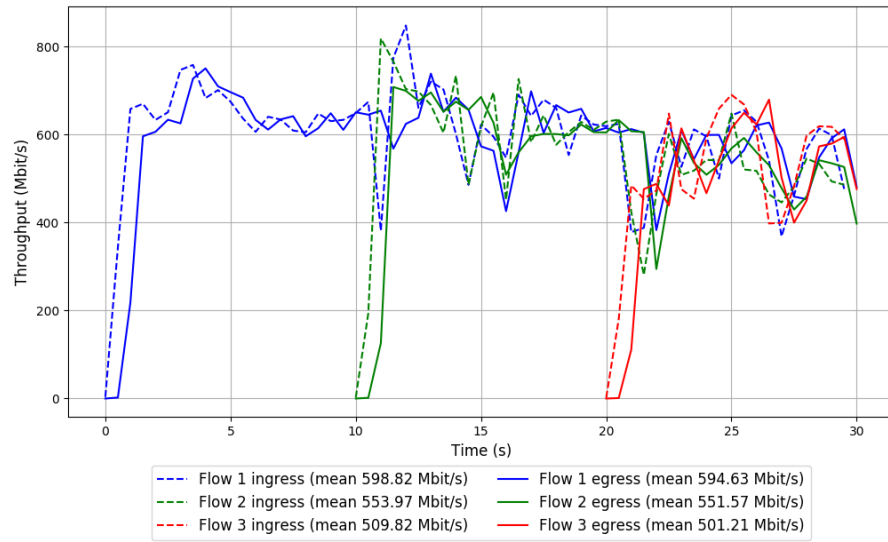
-- Flow 3:

Average throughput: 501.21 Mbit/s

95th percentile per-packet one-way delay: 166.317 ms

Loss rate: 2.70%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-06 09:55:20

End at: 2018-07-06 09:55:50

Local clock offset: 0.297 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-06 12:45:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1200.72 Mbit/s

95th percentile per-packet one-way delay: 228.463 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 625.77 Mbit/s

95th percentile per-packet one-way delay: 232.747 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 595.81 Mbit/s

95th percentile per-packet one-way delay: 220.335 ms

Loss rate: 1.36%

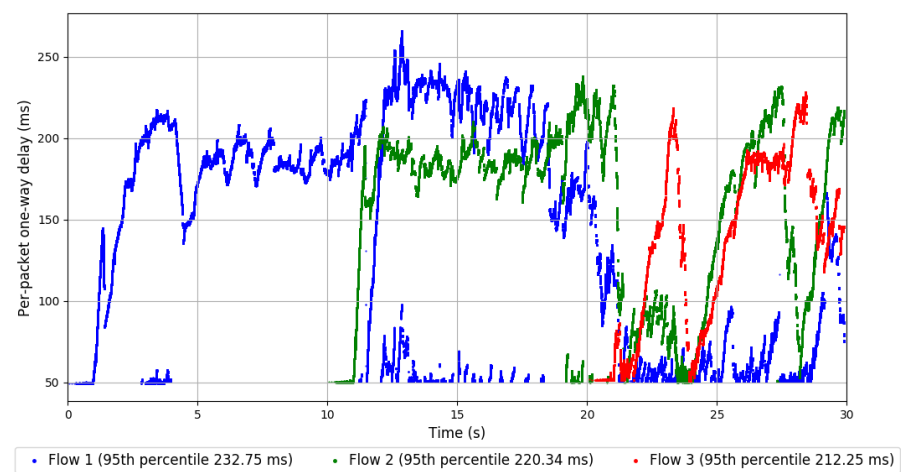
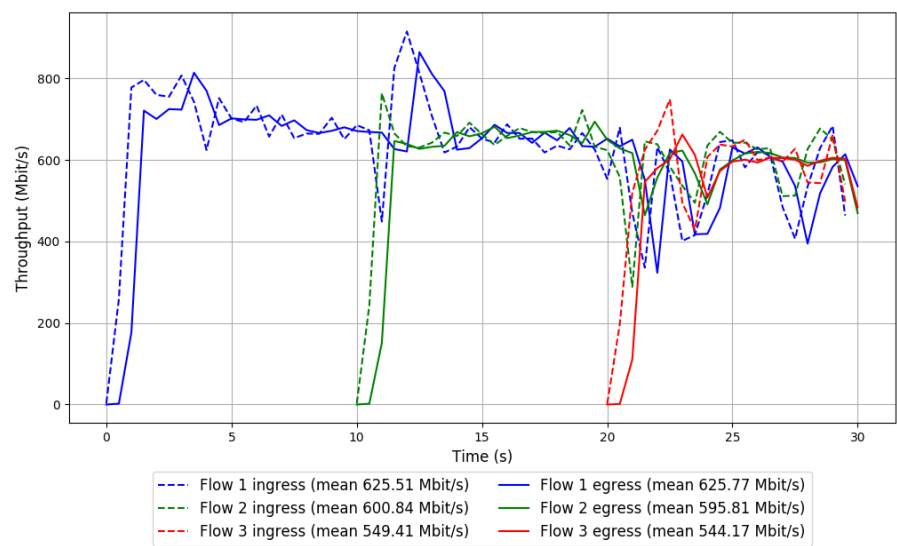
-- Flow 3:

Average throughput: 544.17 Mbit/s

95th percentile per-packet one-way delay: 212.247 ms

Loss rate: 2.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-06 10:19:14

End at: 2018-07-06 10:19:44

Local clock offset: 0.204 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-06 12:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1132.56 Mbit/s

95th percentile per-packet one-way delay: 229.877 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 562.01 Mbit/s

95th percentile per-packet one-way delay: 228.195 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 596.80 Mbit/s

95th percentile per-packet one-way delay: 238.391 ms

Loss rate: 1.02%

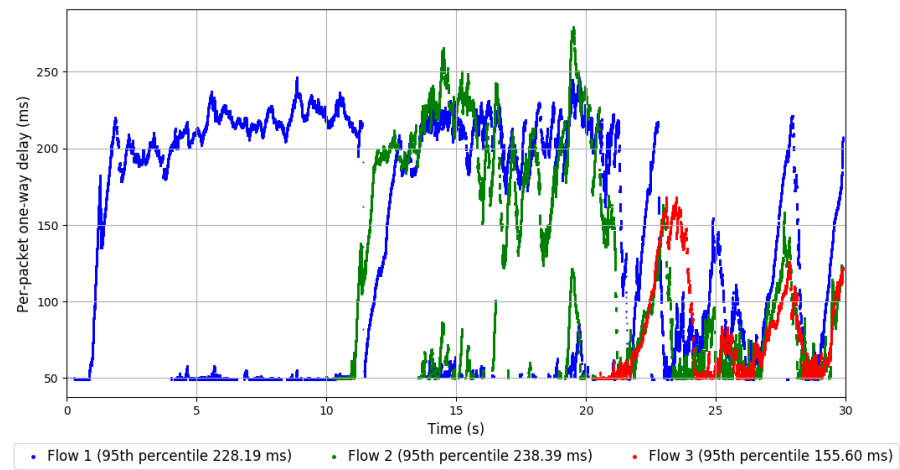
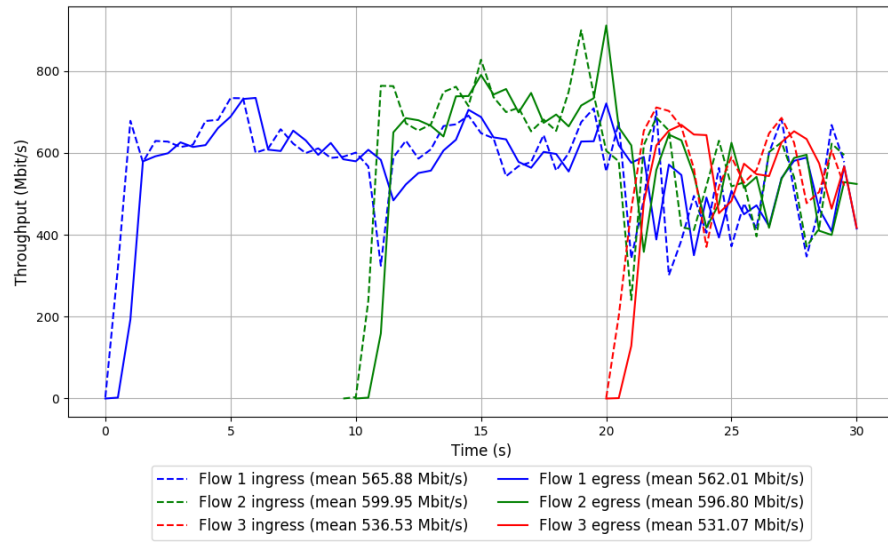
-- Flow 3:

Average throughput: 531.07 Mbit/s

95th percentile per-packet one-way delay: 155.605 ms

Loss rate: 2.04%

Run 8: Report of FillP-Sheep — Data Link

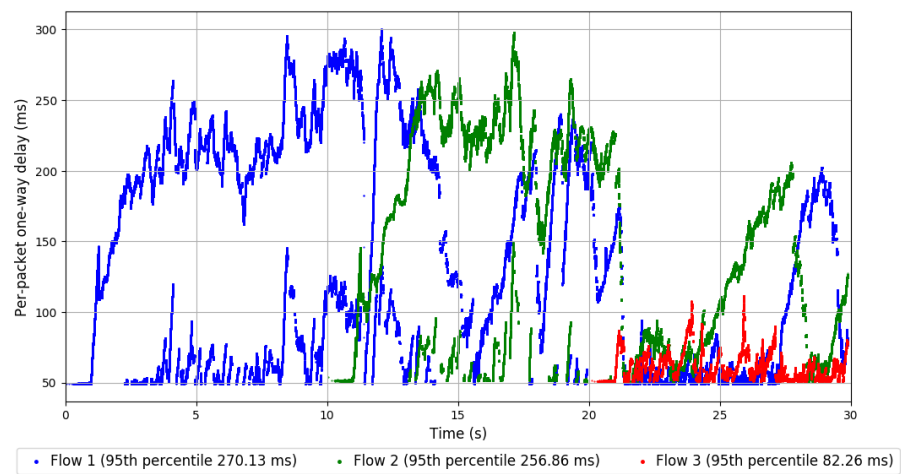
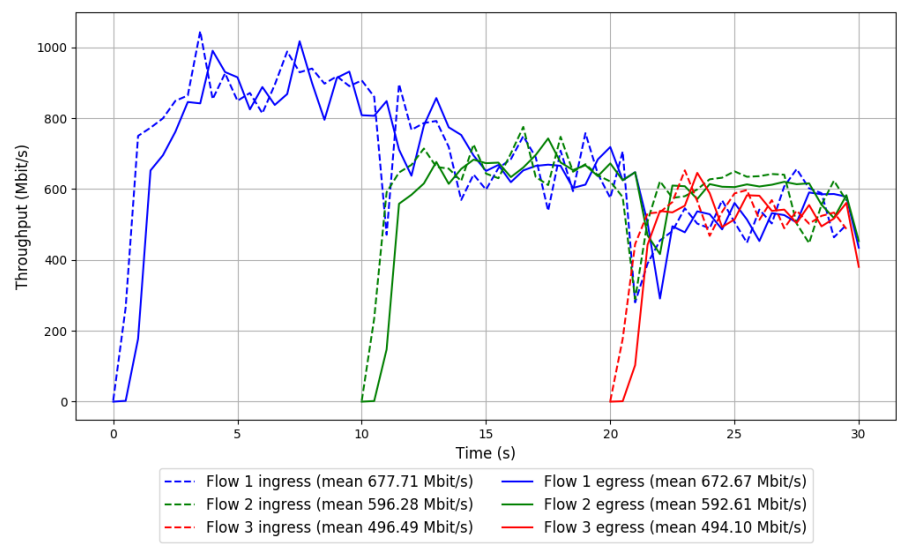


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-06 10:42:55
End at: 2018-07-06 10:43:25
Local clock offset: 0.262 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-06 12:52:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1228.49 Mbit/s
95th percentile per-packet one-way delay: 260.728 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 672.67 Mbit/s
95th percentile per-packet one-way delay: 270.126 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 592.61 Mbit/s
95th percentile per-packet one-way delay: 256.857 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 494.10 Mbit/s
95th percentile per-packet one-way delay: 82.262 ms
Loss rate: 1.52%

Run 9: Report of FillP-Sheep — Data Link

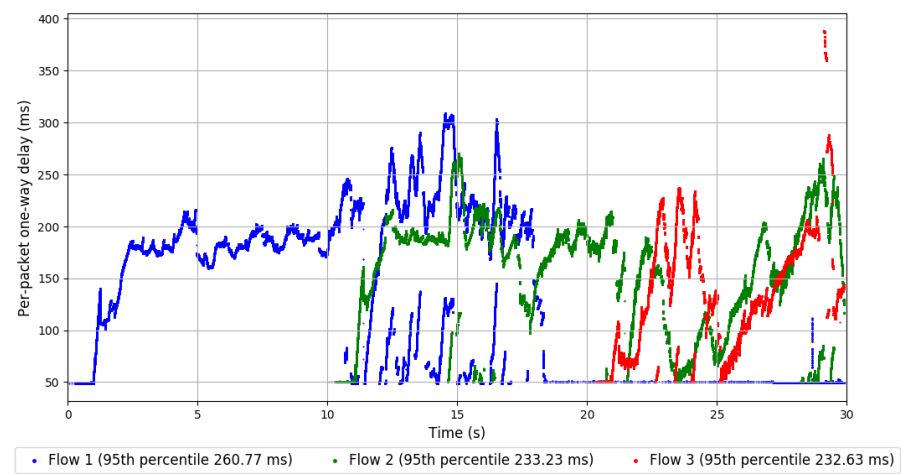
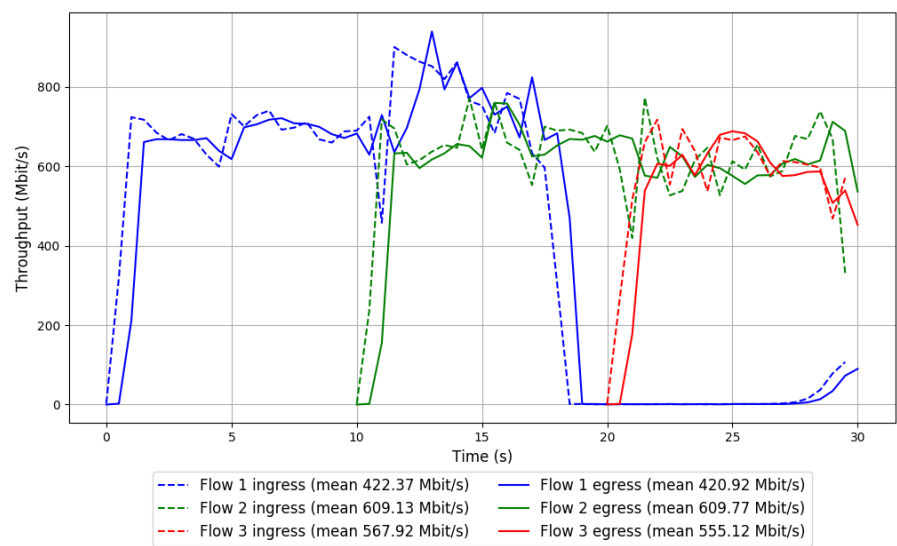


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-06 11:06:47
End at: 2018-07-06 11:07:17
Local clock offset: -0.041 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-06 12:52:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1008.88 Mbit/s
95th percentile per-packet one-way delay: 247.486 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 420.92 Mbit/s
95th percentile per-packet one-way delay: 260.775 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 609.77 Mbit/s
95th percentile per-packet one-way delay: 233.230 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 555.12 Mbit/s
95th percentile per-packet one-way delay: 232.629 ms
Loss rate: 3.24%

Run 10: Report of FillP-Sheep — Data Link

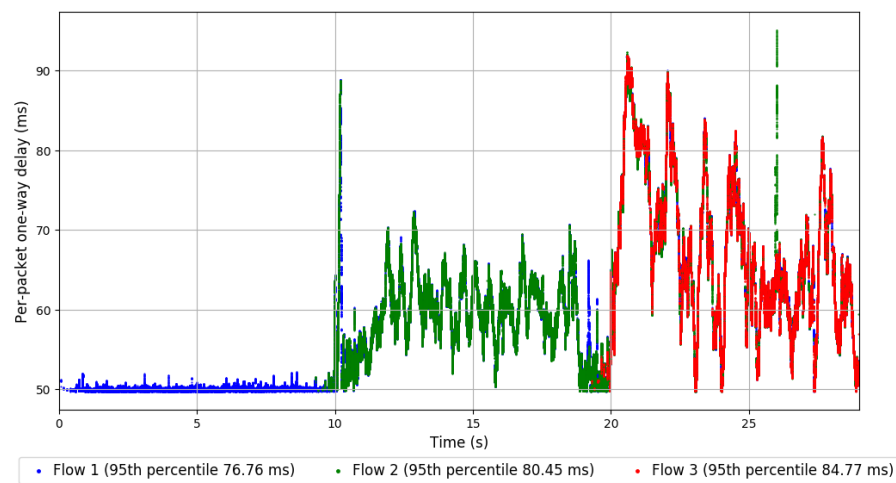
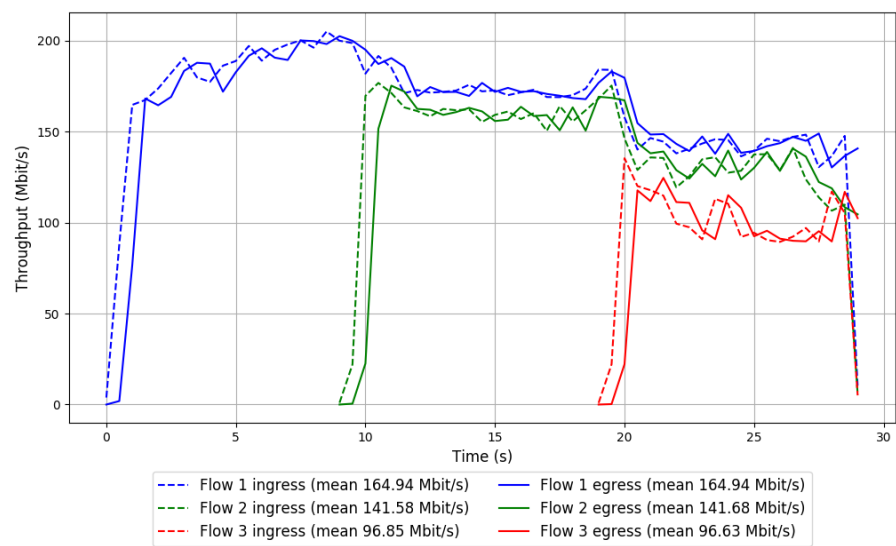


Run 1: Statistics of Indigo

Start at: 2018-07-06 07:18:06
End at: 2018-07-06 07:18:36
Local clock offset: -0.41 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-06 12:52:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.64 Mbit/s
95th percentile per-packet one-way delay: 80.313 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 164.94 Mbit/s
95th percentile per-packet one-way delay: 76.758 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 141.68 Mbit/s
95th percentile per-packet one-way delay: 80.450 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 84.771 ms
Loss rate: 1.22%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-06 07:41:54

End at: 2018-07-06 07:42:24

Local clock offset: -0.093 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-06 12:52:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.90 Mbit/s

95th percentile per-packet one-way delay: 90.139 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 172.39 Mbit/s

95th percentile per-packet one-way delay: 71.944 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 131.71 Mbit/s

95th percentile per-packet one-way delay: 93.053 ms

Loss rate: 0.42%

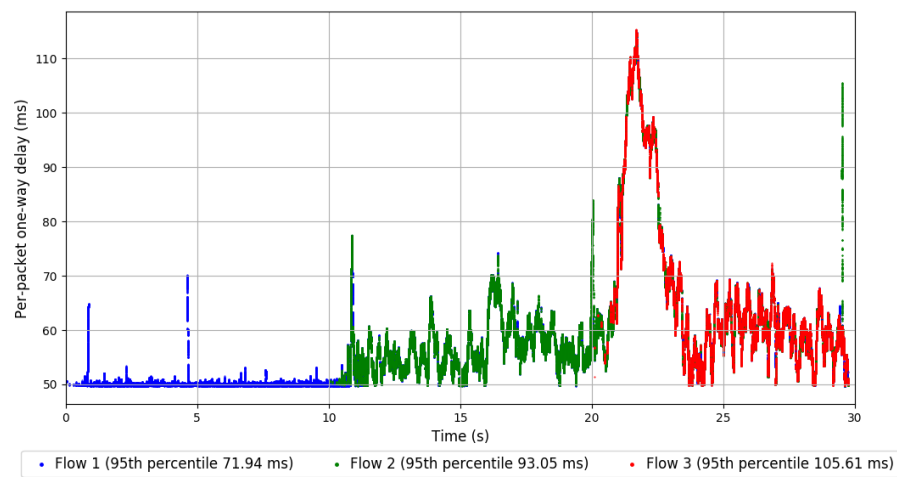
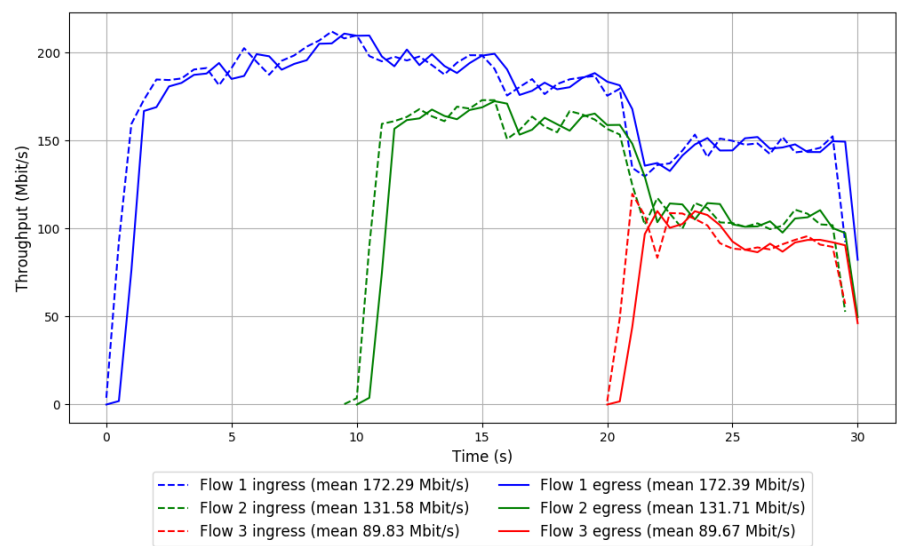
-- Flow 3:

Average throughput: 89.67 Mbit/s

95th percentile per-packet one-way delay: 105.610 ms

Loss rate: 1.20%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-06 08:05:50

End at: 2018-07-06 08:06:20

Local clock offset: 0.308 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.13 Mbit/s

95th percentile per-packet one-way delay: 92.614 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 159.49 Mbit/s

95th percentile per-packet one-way delay: 88.597 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 134.59 Mbit/s

95th percentile per-packet one-way delay: 92.911 ms

Loss rate: 0.44%

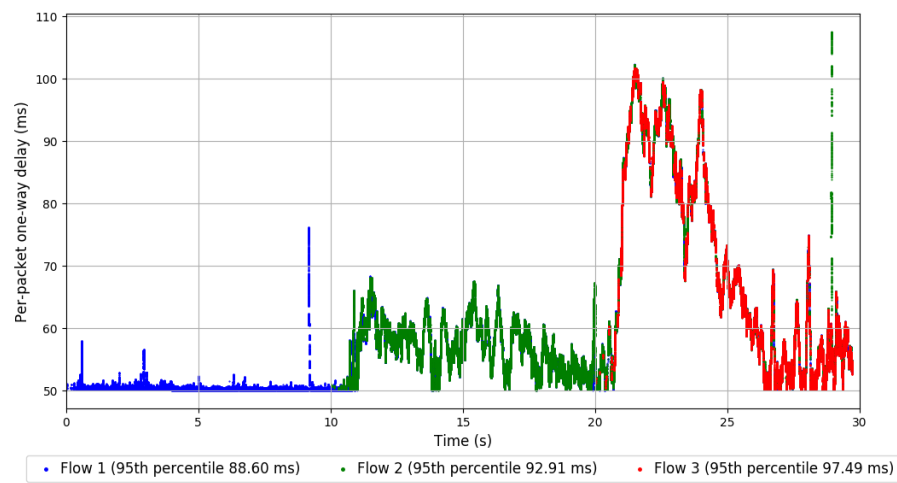
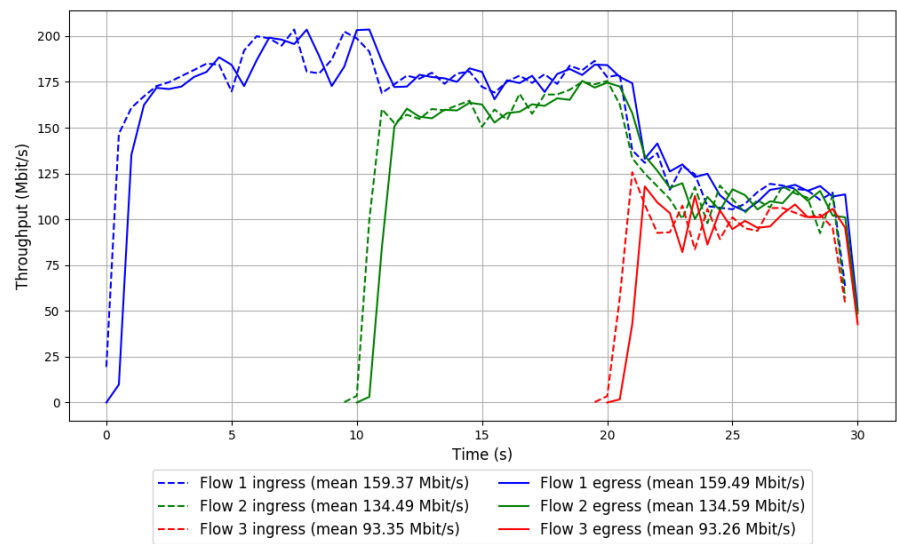
-- Flow 3:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 97.493 ms

Loss rate: 1.14%

Run 3: Report of Indigo — Data Link

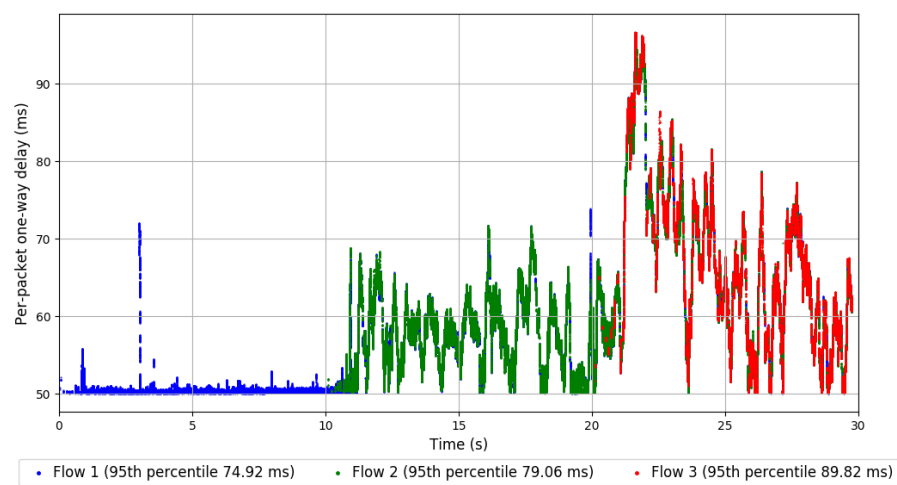
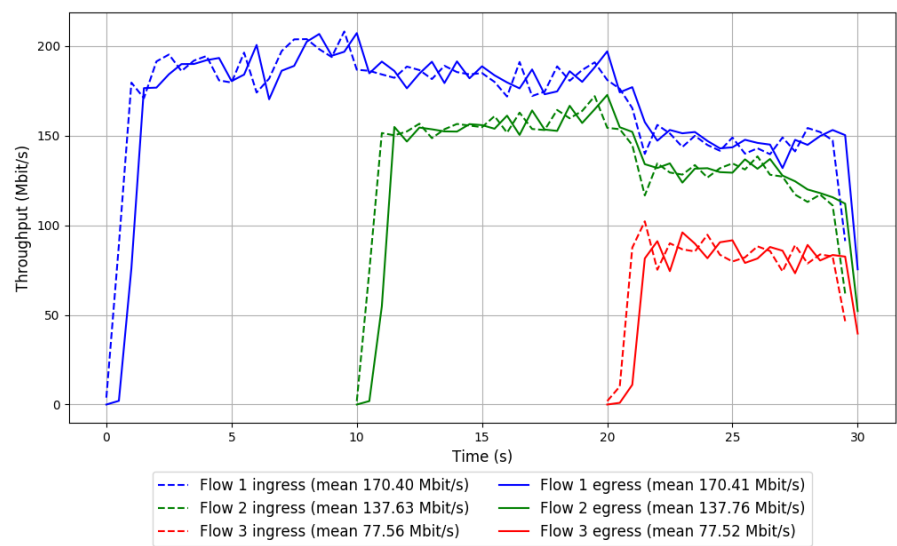


Run 4: Statistics of Indigo

Start at: 2018-07-06 08:29:56
End at: 2018-07-06 08:30:26
Local clock offset: 0.345 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.61 Mbit/s
95th percentile per-packet one-way delay: 78.132 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 170.41 Mbit/s
95th percentile per-packet one-way delay: 74.917 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 137.76 Mbit/s
95th percentile per-packet one-way delay: 79.057 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 89.816 ms
Loss rate: 1.10%

Run 4: Report of Indigo — Data Link

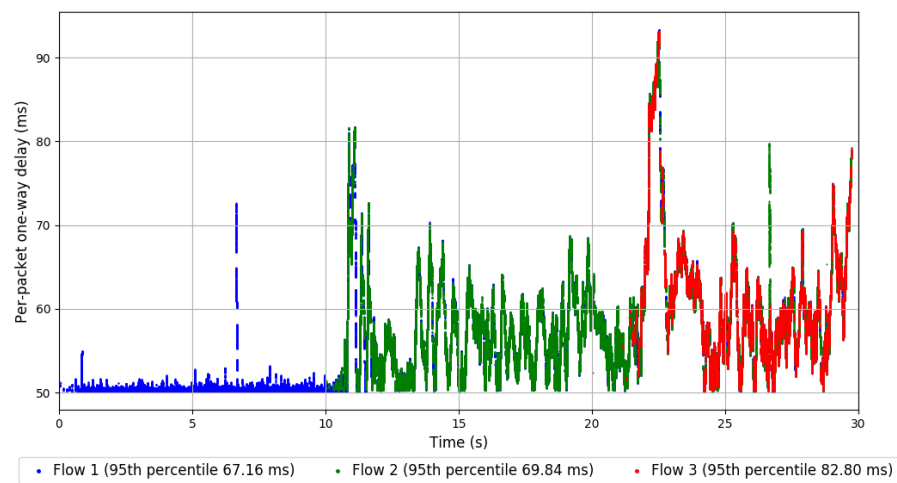
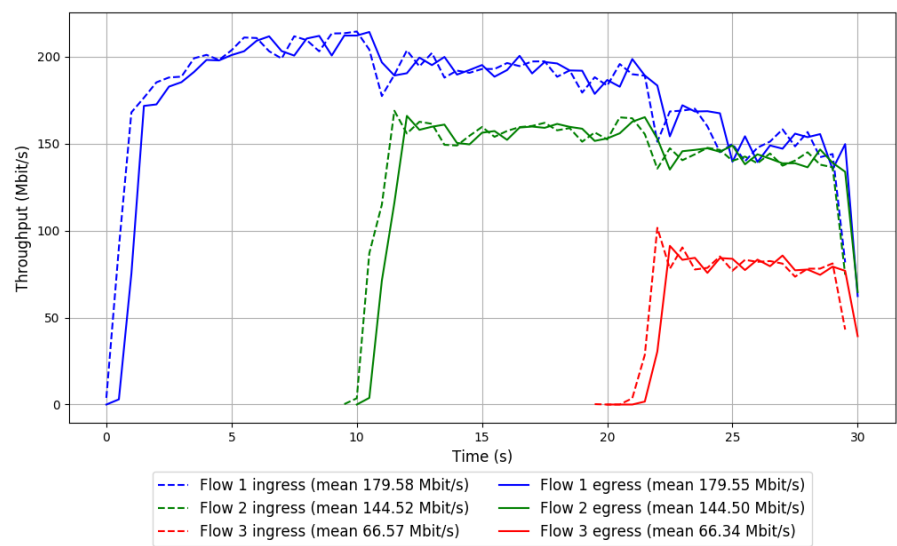


Run 5: Statistics of Indigo

Start at: 2018-07-06 08:53:52
End at: 2018-07-06 08:54:22
Local clock offset: 0.24 ms
Remote clock offset: -0.272 ms

```
# Below is generated by plot.py at 2018-07-06 12:52:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.09 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 179.55 Mbit/s
95th percentile per-packet one-way delay: 67.159 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 144.50 Mbit/s
95th percentile per-packet one-way delay: 69.845 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 82.797 ms
Loss rate: 1.40%
```

Run 5: Report of Indigo — Data Link

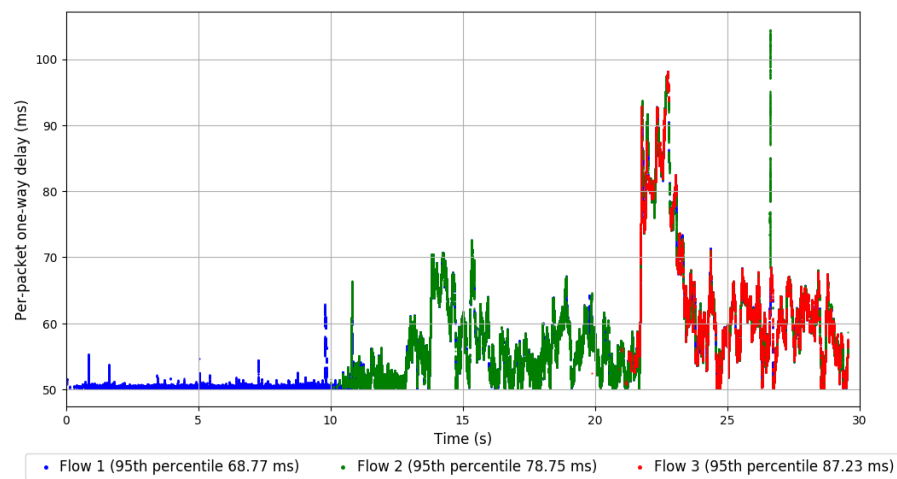
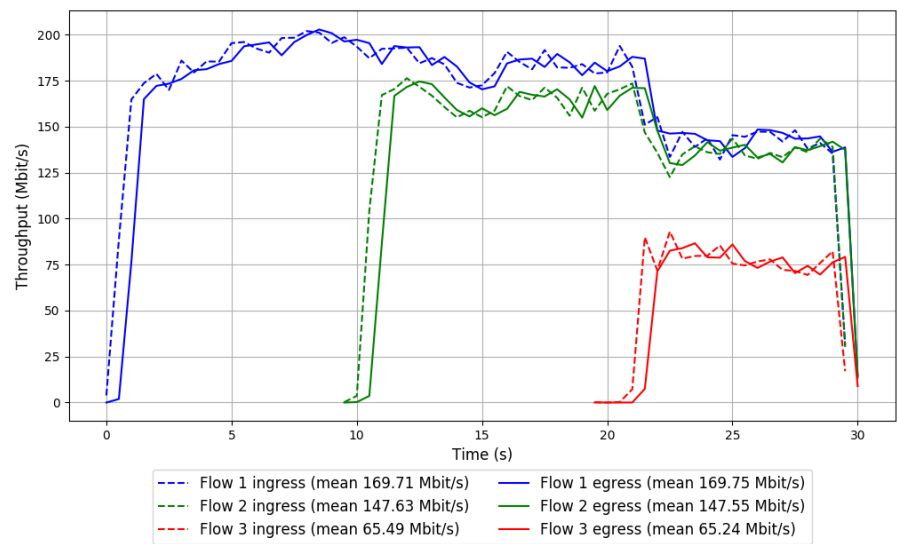


Run 6: Statistics of Indigo

Start at: 2018-07-06 09:17:28
End at: 2018-07-06 09:17:58
Local clock offset: -0.095 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.90 Mbit/s
95th percentile per-packet one-way delay: 76.640 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 169.75 Mbit/s
95th percentile per-packet one-way delay: 68.770 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 78.746 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 1.45%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-06 09:41:27

End at: 2018-07-06 09:41:57

Local clock offset: -0.045 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.33 Mbit/s

95th percentile per-packet one-way delay: 78.472 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 162.15 Mbit/s

95th percentile per-packet one-way delay: 74.219 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 132.60 Mbit/s

95th percentile per-packet one-way delay: 78.811 ms

Loss rate: 0.46%

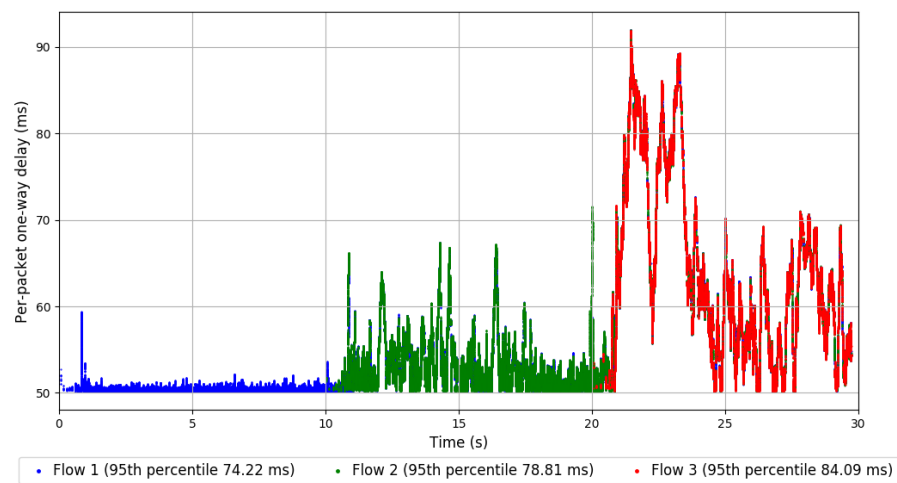
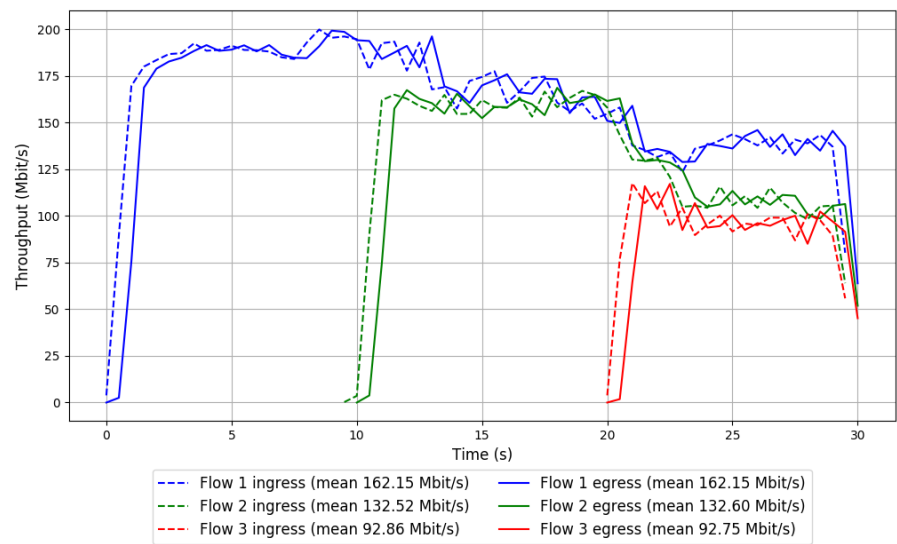
-- Flow 3:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 84.089 ms

Loss rate: 1.14%

Run 7: Report of Indigo — Data Link

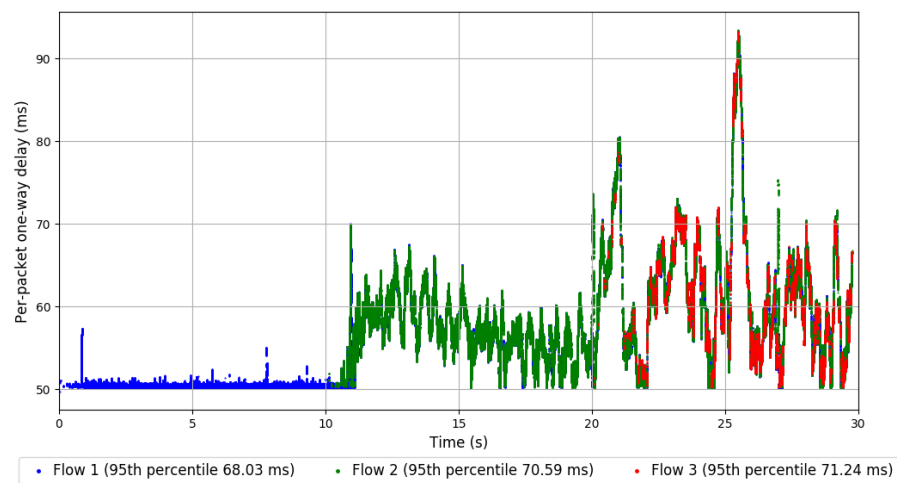
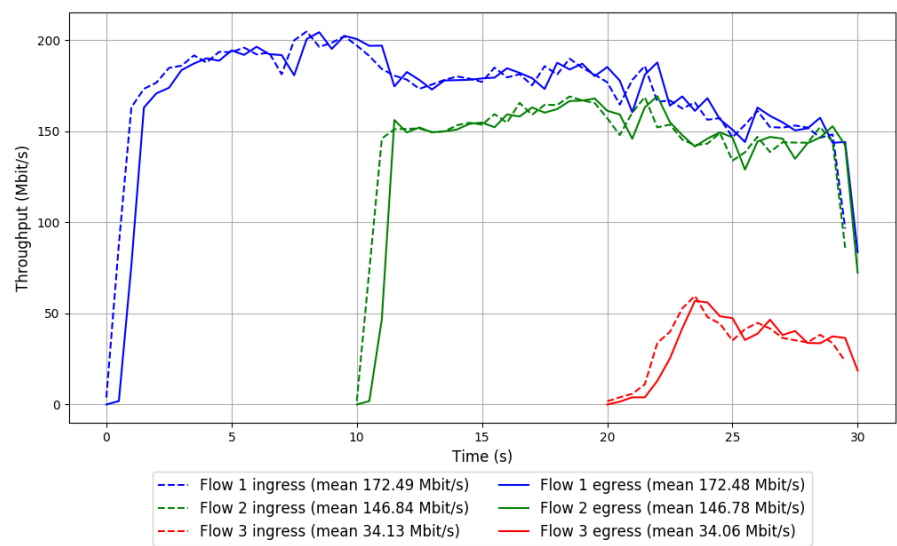


Run 8: Statistics of Indigo

Start at: 2018-07-06 10:05:21
End at: 2018-07-06 10:05:51
Local clock offset: -0.135 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.54 Mbit/s
95th percentile per-packet one-way delay: 69.429 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 172.48 Mbit/s
95th percentile per-packet one-way delay: 68.035 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 146.78 Mbit/s
95th percentile per-packet one-way delay: 70.591 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 71.236 ms
Loss rate: 1.21%

Run 8: Report of Indigo — Data Link

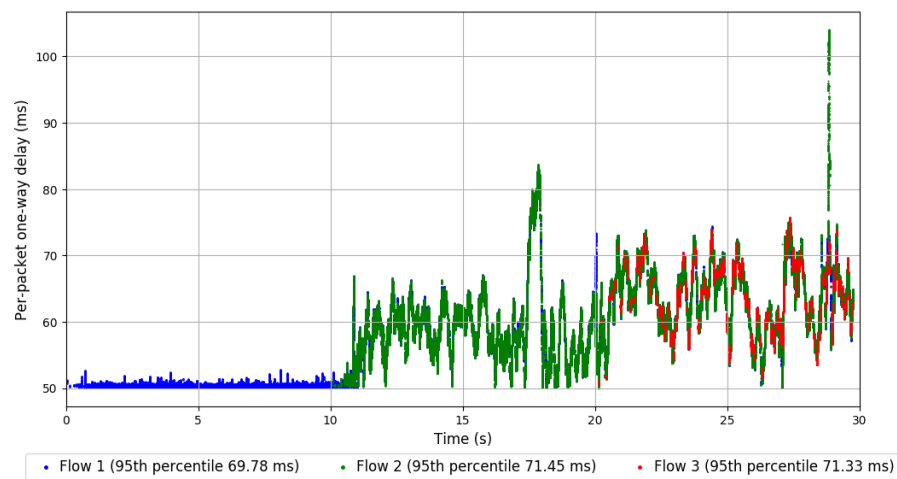
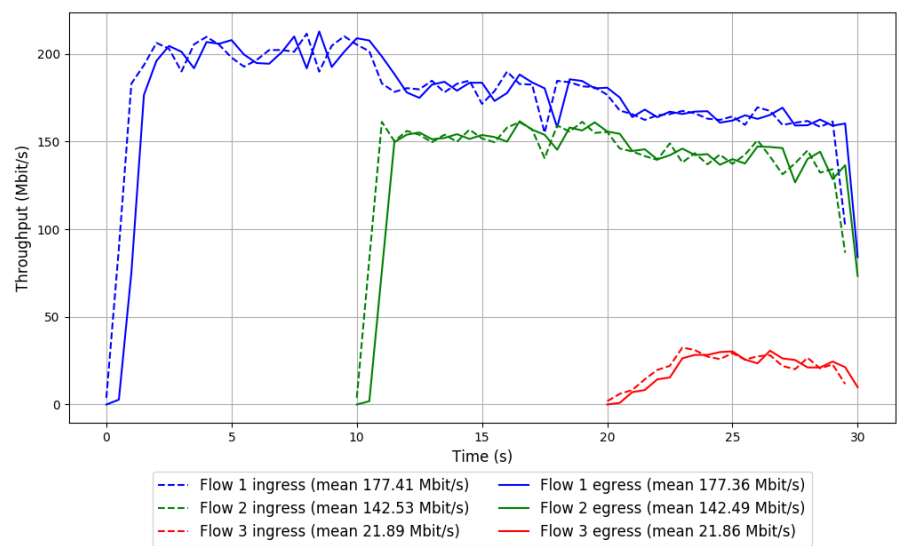


Run 9: Statistics of Indigo

Start at: 2018-07-06 10:29:08
End at: 2018-07-06 10:29:38
Local clock offset: -0.134 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.89 Mbit/s
95th percentile per-packet one-way delay: 70.415 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 177.36 Mbit/s
95th percentile per-packet one-way delay: 69.776 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 142.49 Mbit/s
95th percentile per-packet one-way delay: 71.447 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 71.326 ms
Loss rate: 1.19%

Run 9: Report of Indigo — Data Link

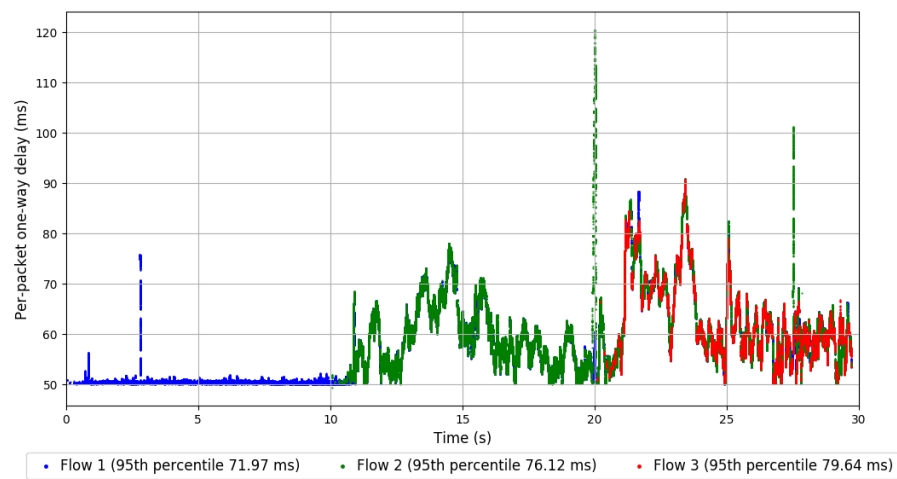
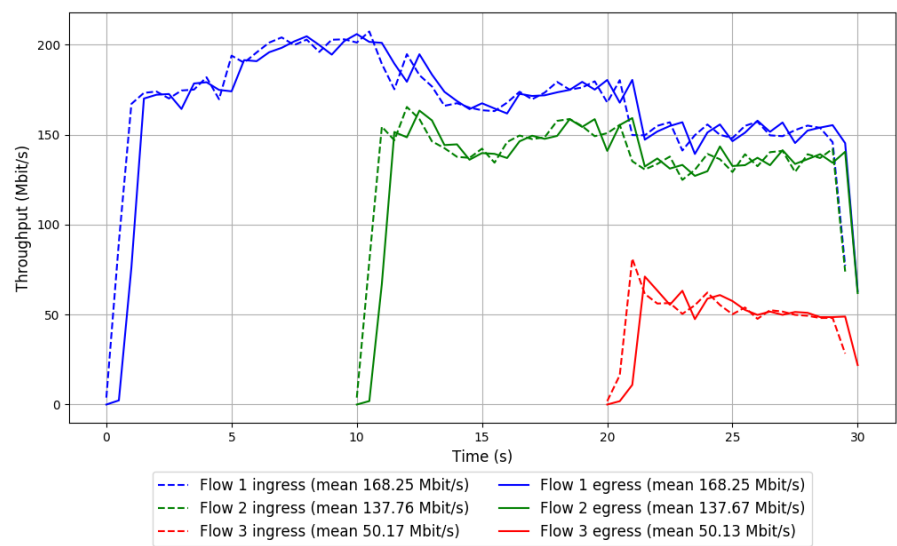


Run 10: Statistics of Indigo

Start at: 2018-07-06 10:52:56
End at: 2018-07-06 10:53:26
Local clock offset: -0.159 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.67 Mbit/s
95th percentile per-packet one-way delay: 74.208 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 168.25 Mbit/s
95th percentile per-packet one-way delay: 71.972 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 137.67 Mbit/s
95th percentile per-packet one-way delay: 76.124 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 79.636 ms
Loss rate: 1.13%

Run 10: Report of Indigo — Data Link

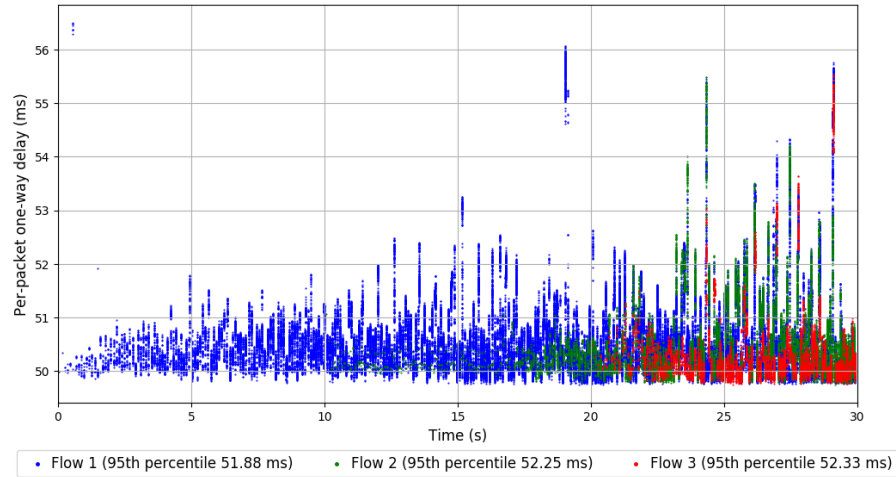
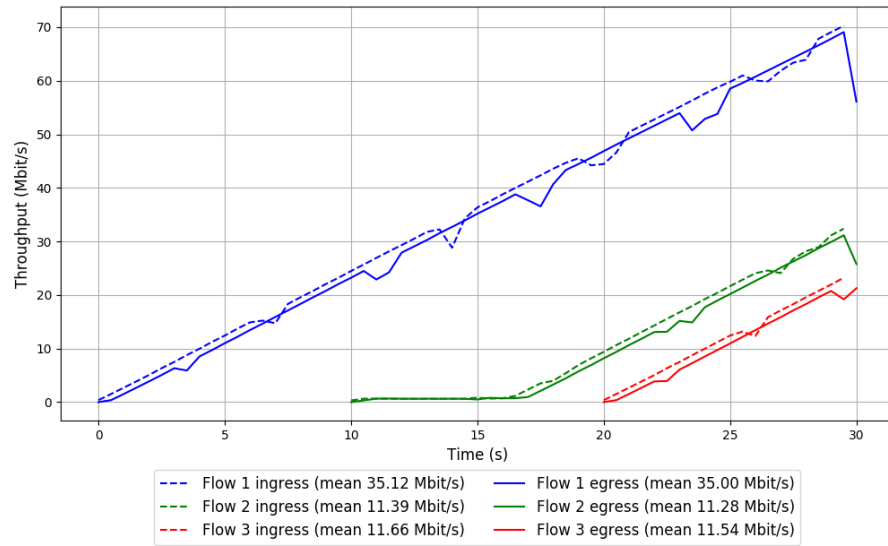


Run 1: Statistics of LEDBAT

Start at: 2018-07-06 07:26:59
End at: 2018-07-06 07:27:29
Local clock offset: -0.469 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 51.995 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 51.877 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 52.246 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 52.332 ms
Loss rate: 2.04%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-06 07:50:53

End at: 2018-07-06 07:51:23

Local clock offset: -0.064 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 51.811 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 51.645 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 52.265 ms

Loss rate: 1.24%

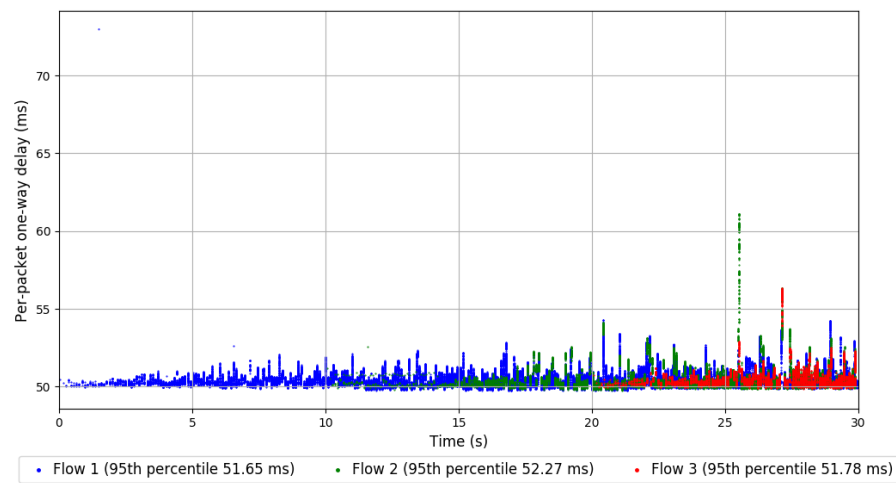
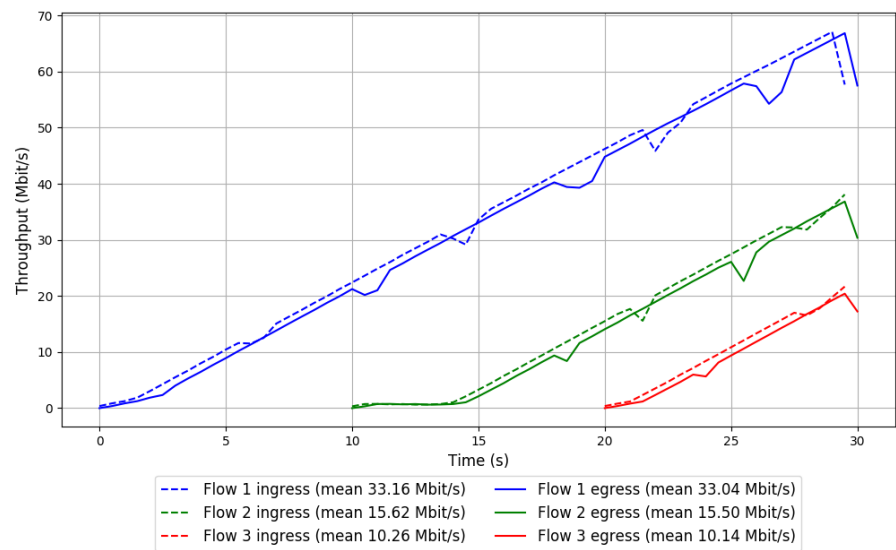
-- Flow 3:

Average throughput: 10.14 Mbit/s

95th percentile per-packet one-way delay: 51.781 ms

Loss rate: 2.18%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-06 08:14:52

End at: 2018-07-06 08:15:22

Local clock offset: 0.33 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.19 Mbit/s

95th percentile per-packet one-way delay: 52.327 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 33.65 Mbit/s

95th percentile per-packet one-way delay: 52.645 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 51.994 ms

Loss rate: 1.01%

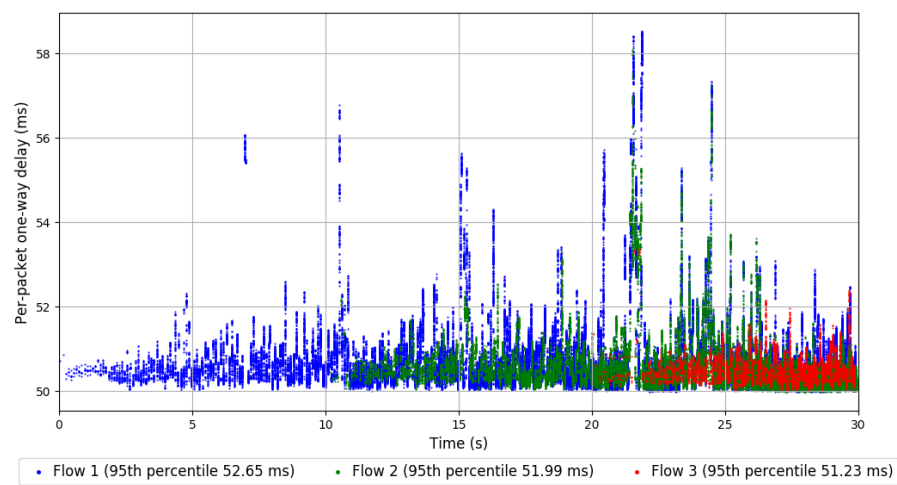
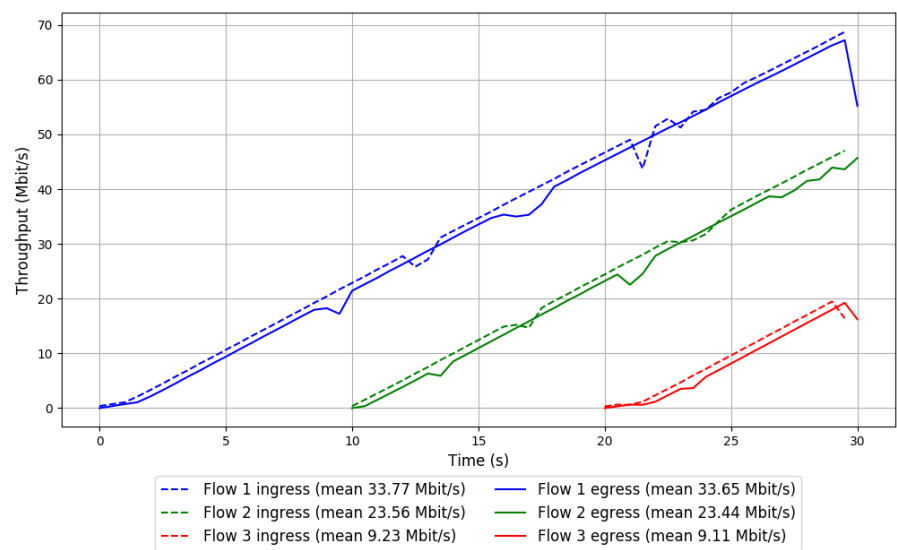
-- Flow 3:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 51.232 ms

Loss rate: 2.29%

Run 3: Report of LEDBAT — Data Link

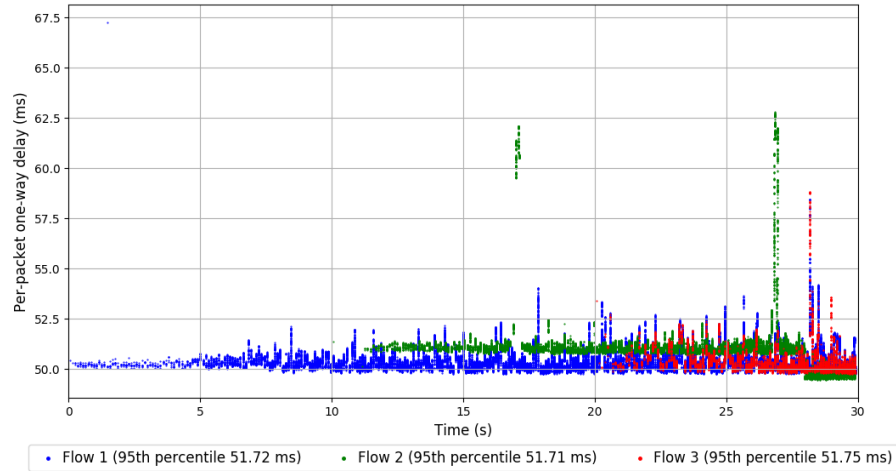
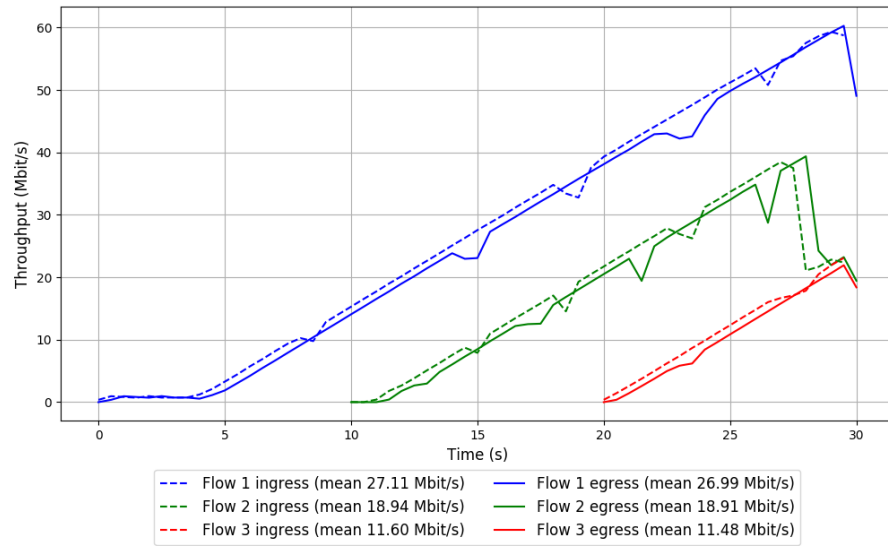


Run 4: Statistics of LEDBAT

Start at: 2018-07-06 08:38:56
End at: 2018-07-06 08:39:26
Local clock offset: -0.056 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 51.722 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 51.721 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 51.709 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 51.753 ms
Loss rate: 2.05%

Run 4: Report of LEDBAT — Data Link

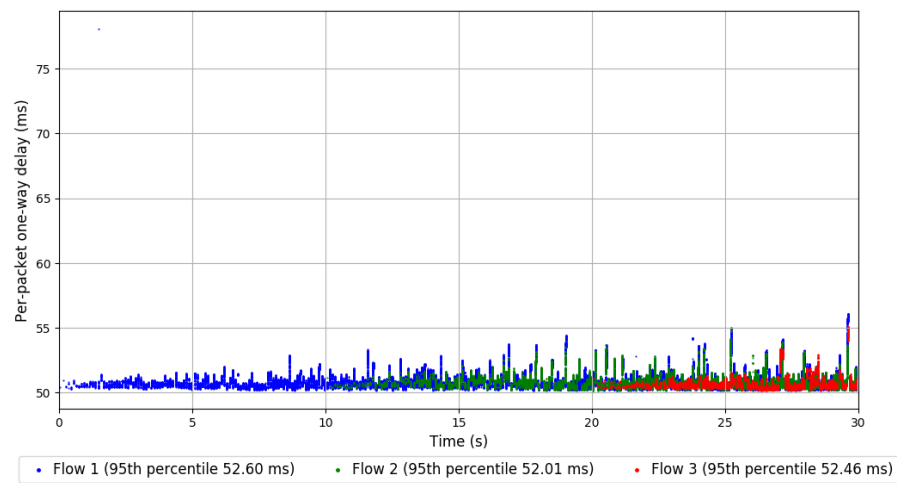
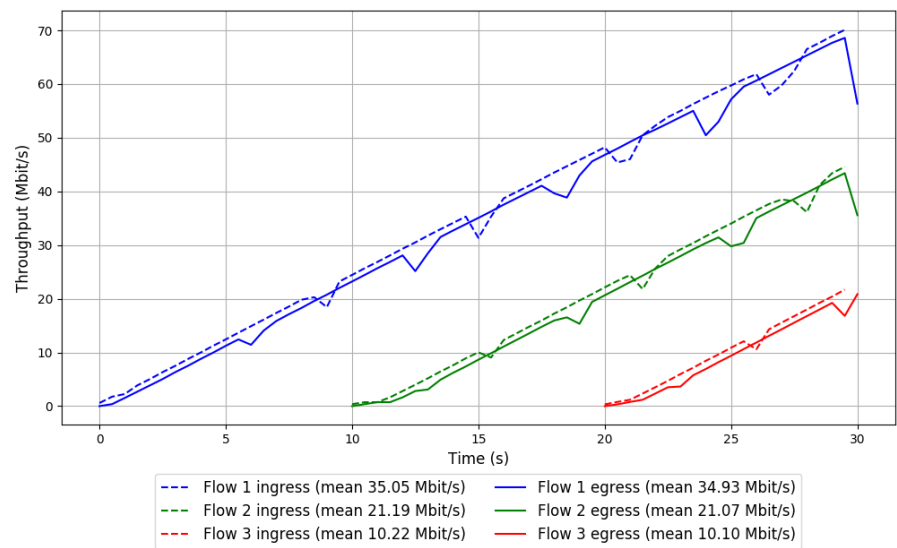


Run 5: Statistics of LEDBAT

Start at: 2018-07-06 09:02:27
End at: 2018-07-06 09:02:57
Local clock offset: -0.141 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 52.414 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 52.598 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 52.010 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 52.462 ms
Loss rate: 2.18%

Run 5: Report of LEDBAT — Data Link

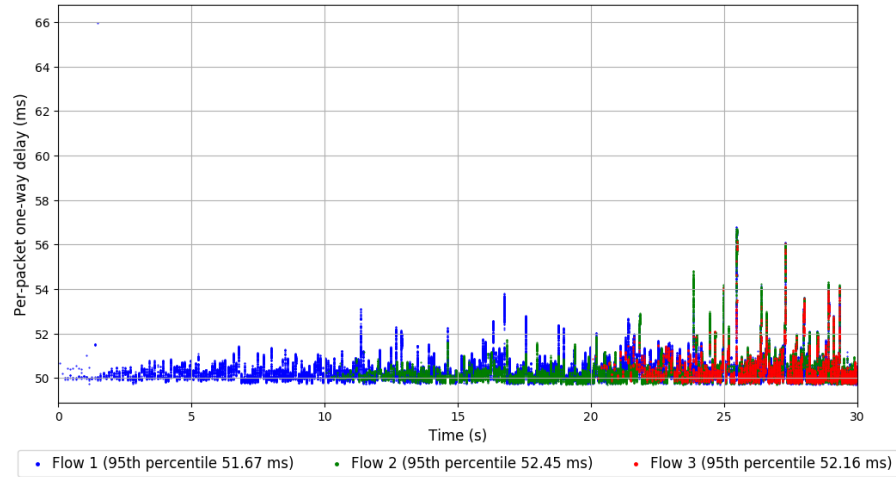
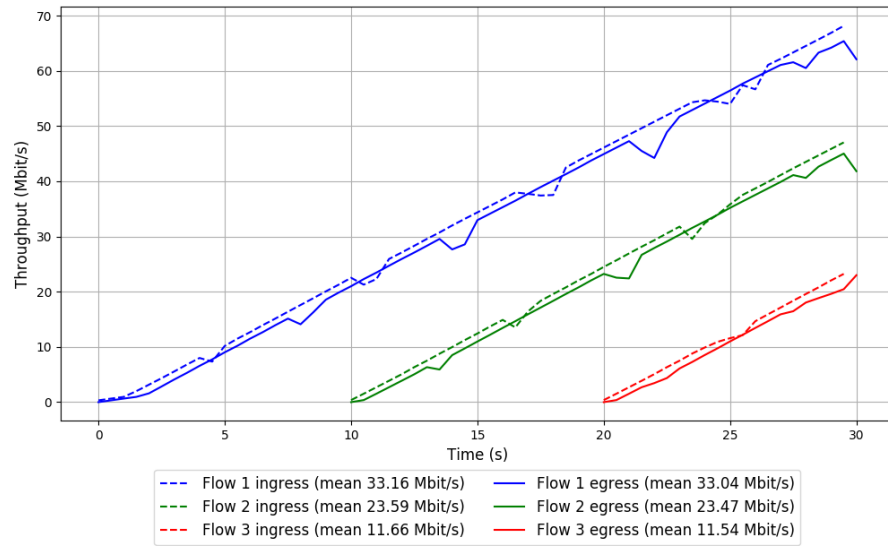


Run 6: Statistics of LEDBAT

Start at: 2018-07-06 09:26:27
End at: 2018-07-06 09:26:57
Local clock offset: -0.493 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 51.906 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 51.671 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 52.455 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 52.163 ms
Loss rate: 2.04%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-06 09:50:20

End at: 2018-07-06 09:50:50

Local clock offset: 0.292 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.92 Mbit/s

95th percentile per-packet one-way delay: 52.283 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 52.299 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 52.250 ms

Loss rate: 1.01%

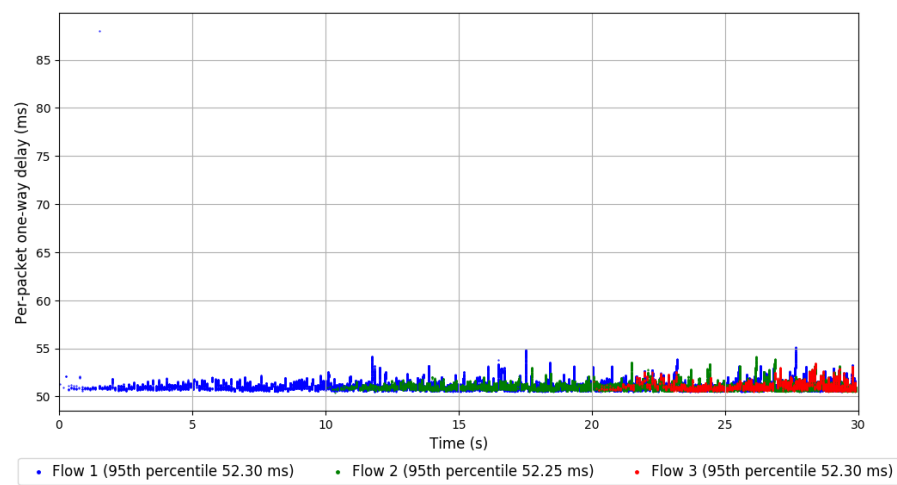
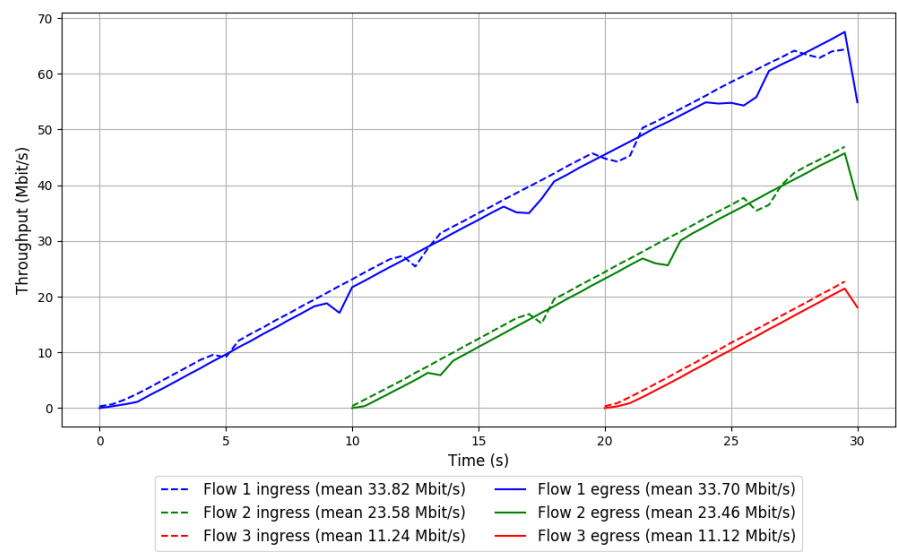
-- Flow 3:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 52.301 ms

Loss rate: 2.08%

Run 7: Report of LEDBAT — Data Link

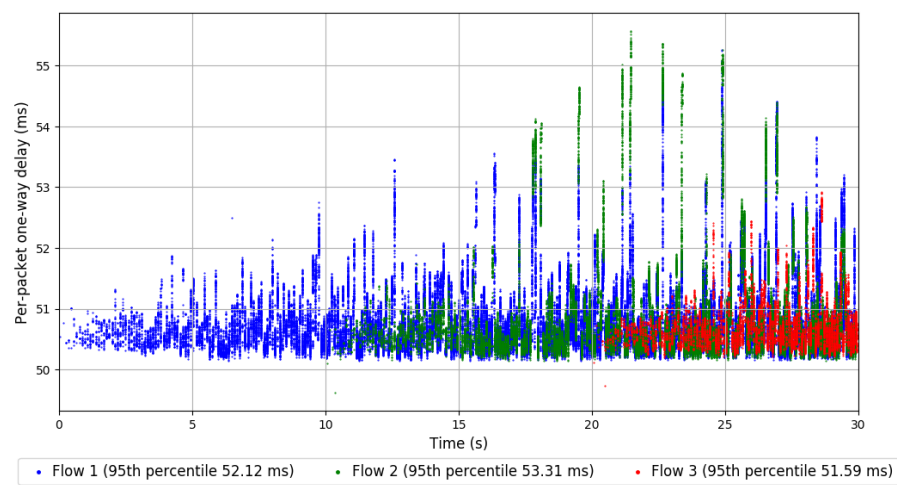
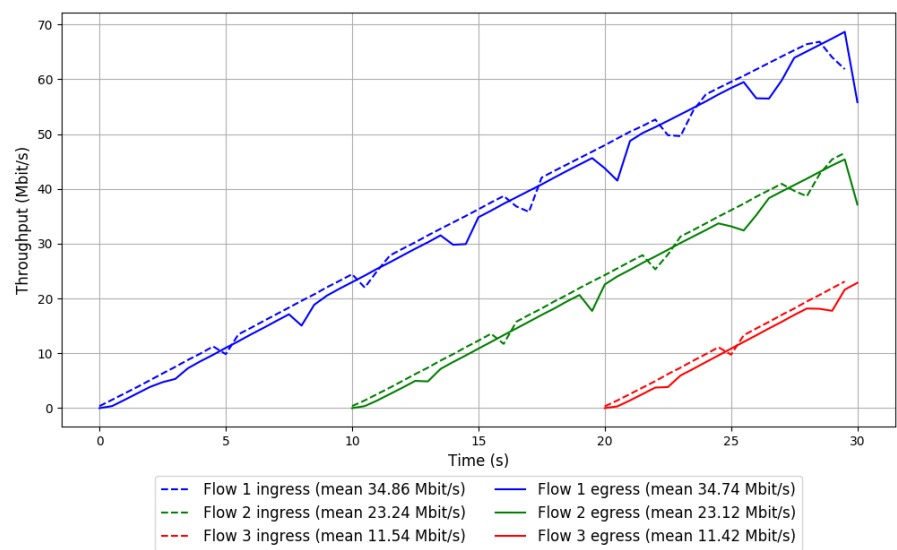


Run 8: Statistics of LEDBAT

Start at: 2018-07-06 10:14:13
End at: 2018-07-06 10:14:43
Local clock offset: -0.127 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 52.269 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 53.308 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 51.593 ms
Loss rate: 2.05%

Run 8: Report of LEDBAT — Data Link

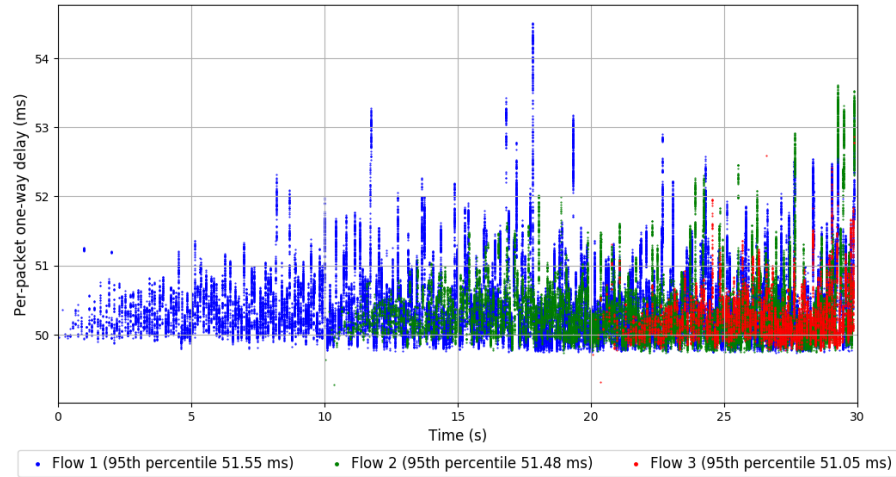
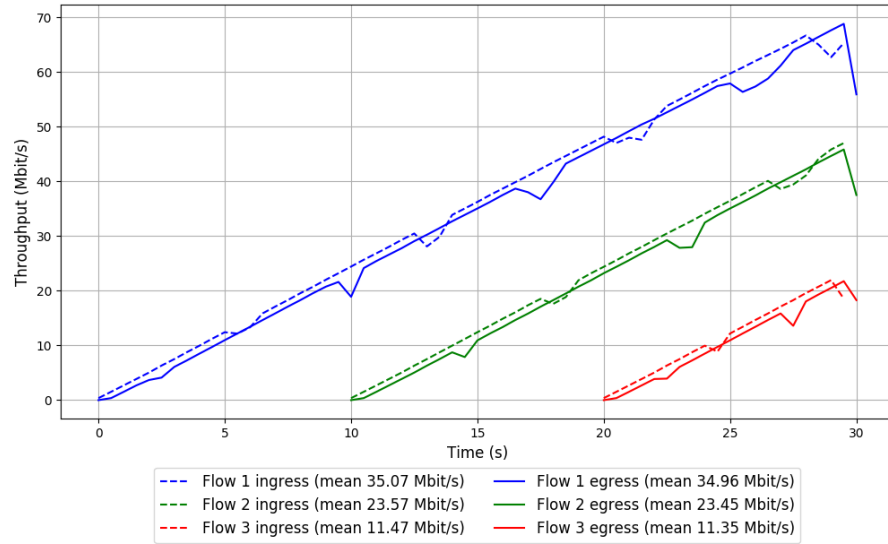


Run 9: Statistics of LEDBAT

Start at: 2018-07-06 10:37:54
End at: 2018-07-06 10:38:24
Local clock offset: -0.496 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 51.554 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 51.479 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 2.06%

Run 9: Report of LEDBAT — Data Link

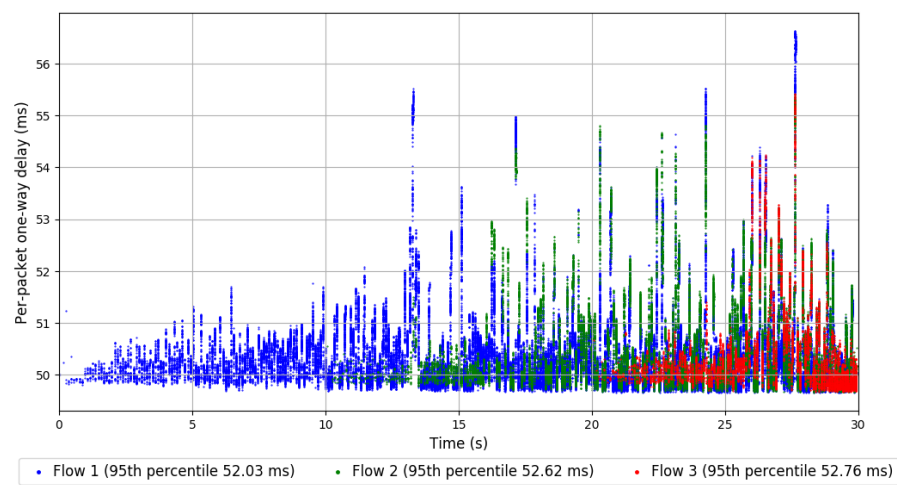
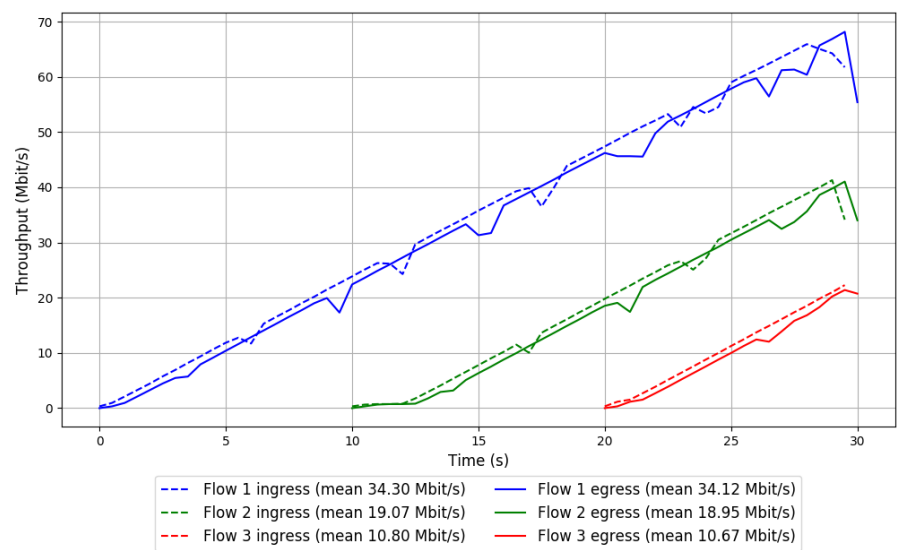


Run 10: Statistics of LEDBAT

Start at: 2018-07-06 11:01:46
End at: 2018-07-06 11:02:16
Local clock offset: -0.452 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-06 12:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 52.281 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 52.029 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 52.625 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 52.759 ms
Loss rate: 2.12%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-06 07:21:02

End at: 2018-07-06 07:21:32

Local clock offset: 0.278 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.93 Mbit/s

95th percentile per-packet one-way delay: 126.401 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 319.78 Mbit/s

95th percentile per-packet one-way delay: 127.121 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 123.807 ms

Loss rate: 0.48%

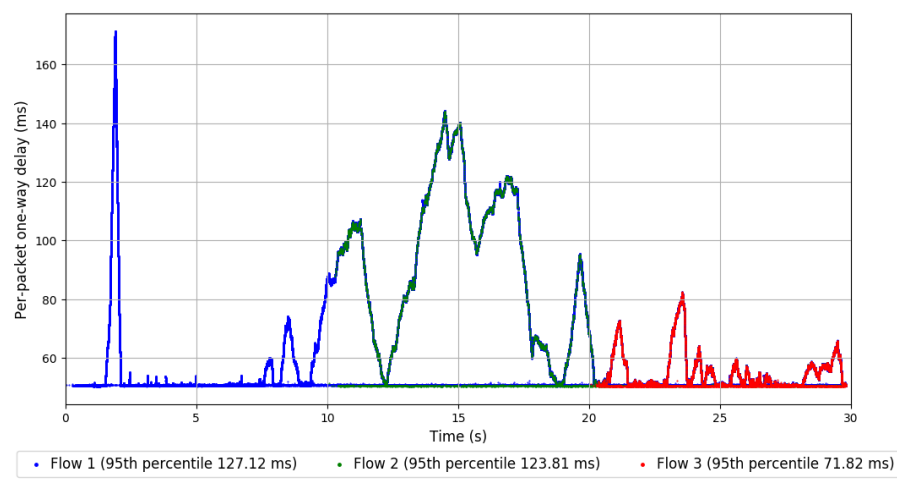
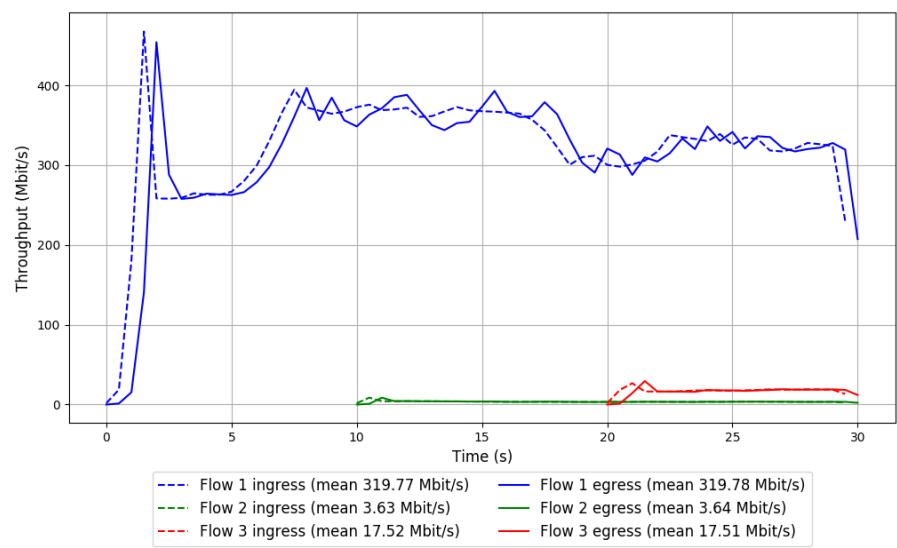
-- Flow 3:

Average throughput: 17.51 Mbit/s

95th percentile per-packet one-way delay: 71.821 ms

Loss rate: 1.08%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-06 07:44:51

End at: 2018-07-06 07:45:21

Local clock offset: -0.469 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-06 12:52:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.62 Mbit/s

95th percentile per-packet one-way delay: 123.929 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 320.02 Mbit/s

95th percentile per-packet one-way delay: 123.921 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 16.82 Mbit/s

95th percentile per-packet one-way delay: 123.234 ms

Loss rate: 0.69%

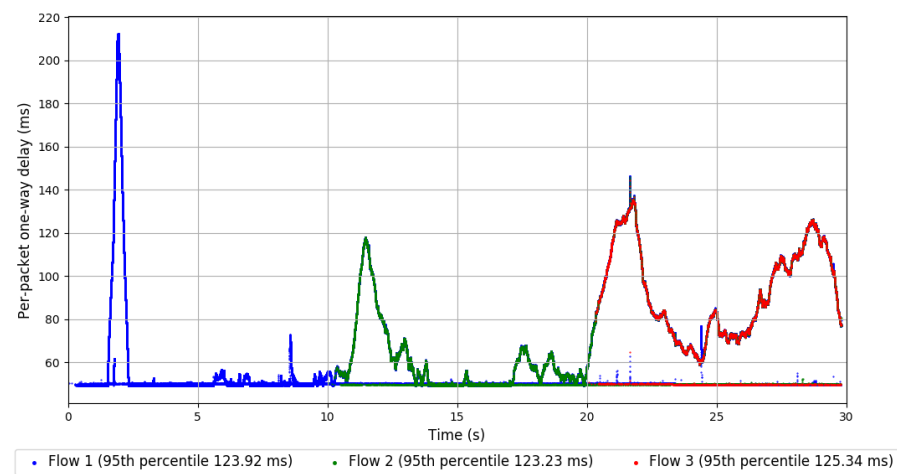
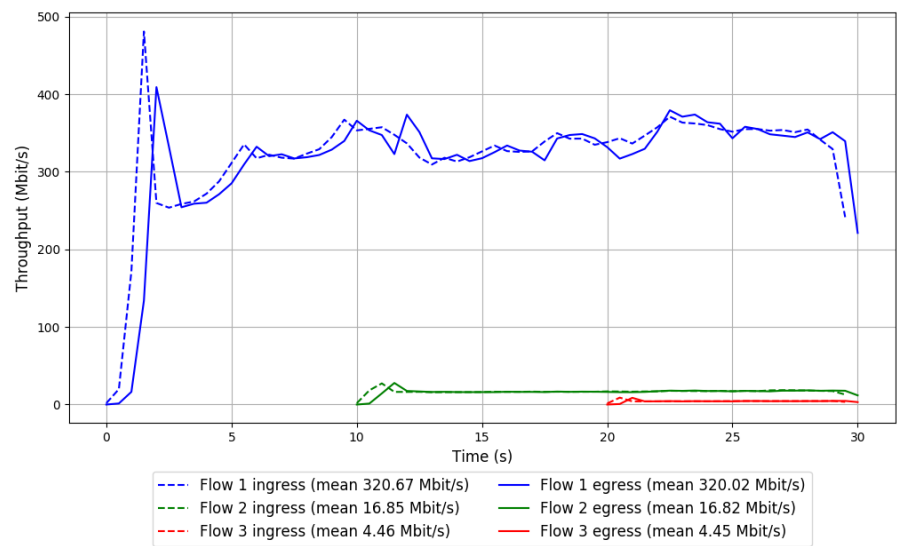
-- Flow 3:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 125.340 ms

Loss rate: 1.41%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-06 08:08:44

End at: 2018-07-06 08:09:14

Local clock offset: -0.385 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-06 12:53:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.90 Mbit/s

95th percentile per-packet one-way delay: 220.995 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 296.15 Mbit/s

95th percentile per-packet one-way delay: 220.689 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 66.99 Mbit/s

95th percentile per-packet one-way delay: 221.686 ms

Loss rate: 2.69%

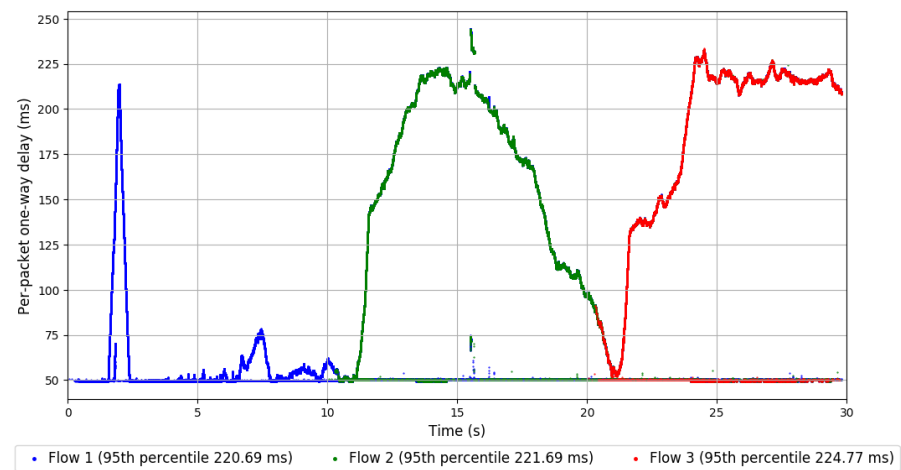
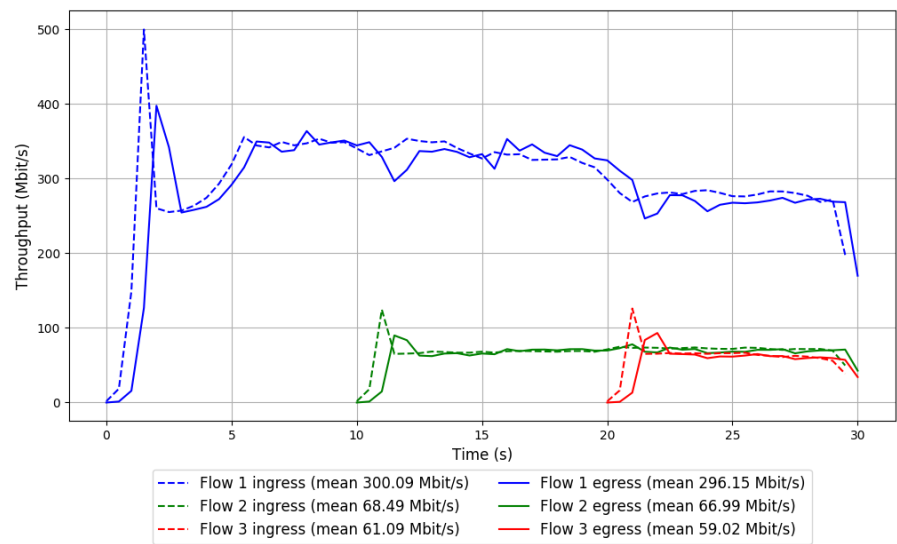
-- Flow 3:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 224.772 ms

Loss rate: 4.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-06 08:32:53

End at: 2018-07-06 08:33:23

Local clock offset: -0.007 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-06 12:53:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.82 Mbit/s

95th percentile per-packet one-way delay: 138.671 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 301.81 Mbit/s

95th percentile per-packet one-way delay: 137.042 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 133.874 ms

Loss rate: 0.54%

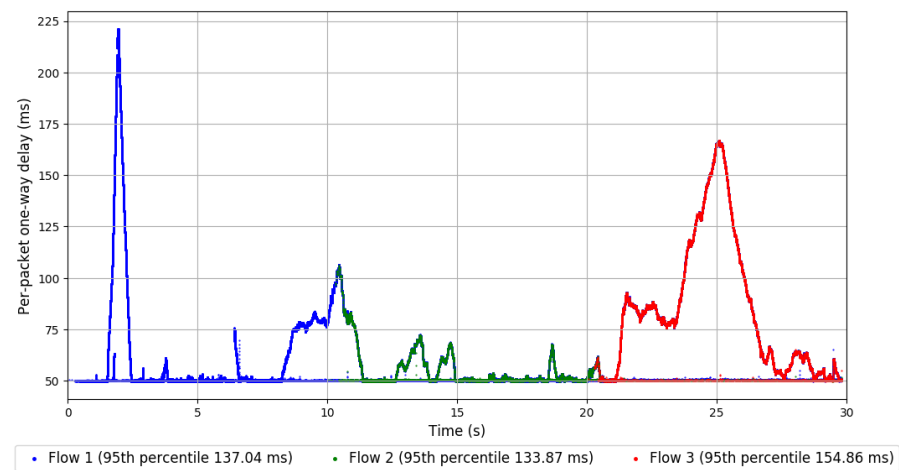
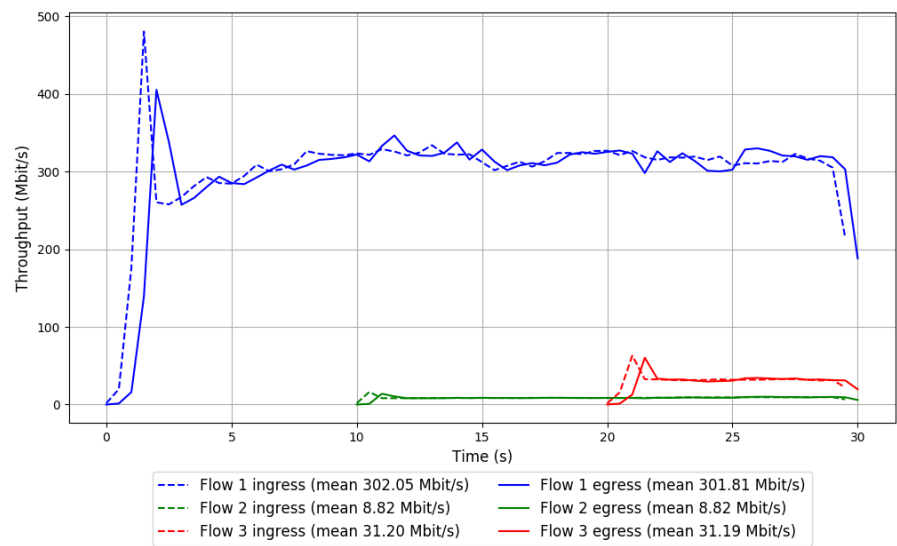
-- Flow 3:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 154.856 ms

Loss rate: 1.03%

Run 4: Report of PCC-Allegro — Data Link

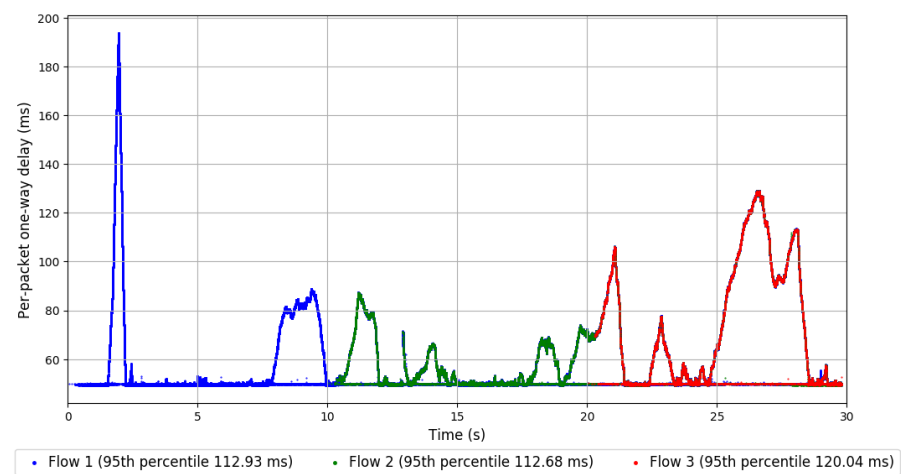
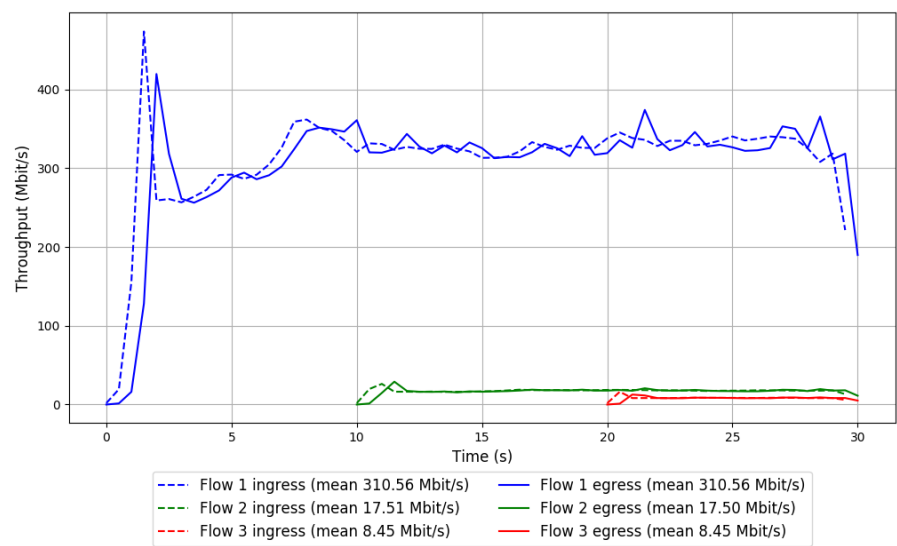


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-06 08:56:46
End at: 2018-07-06 08:57:16
Local clock offset: -0.509 ms
Remote clock offset: -0.267 ms

```
# Below is generated by plot.py at 2018-07-06 12:53:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.91 Mbit/s
95th percentile per-packet one-way delay: 112.966 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 310.56 Mbit/s
95th percentile per-packet one-way delay: 112.932 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 112.680 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 120.043 ms
Loss rate: 0.98%
```

Run 5: Report of PCC-Allegro — Data Link

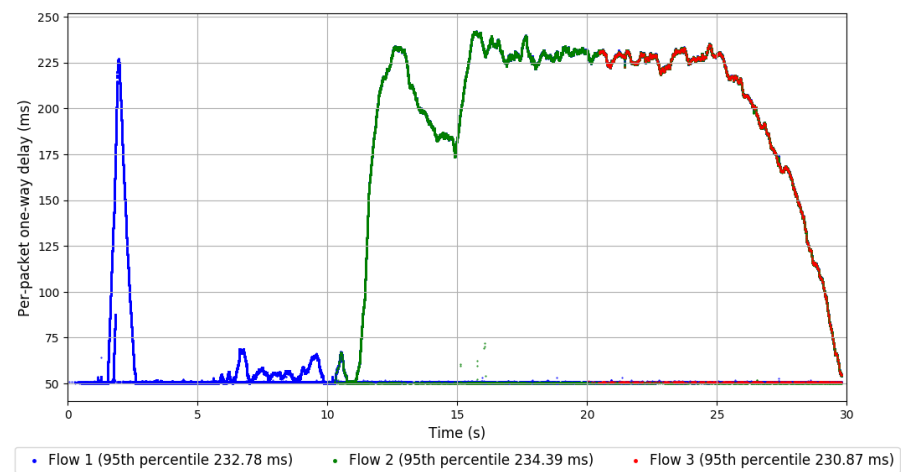
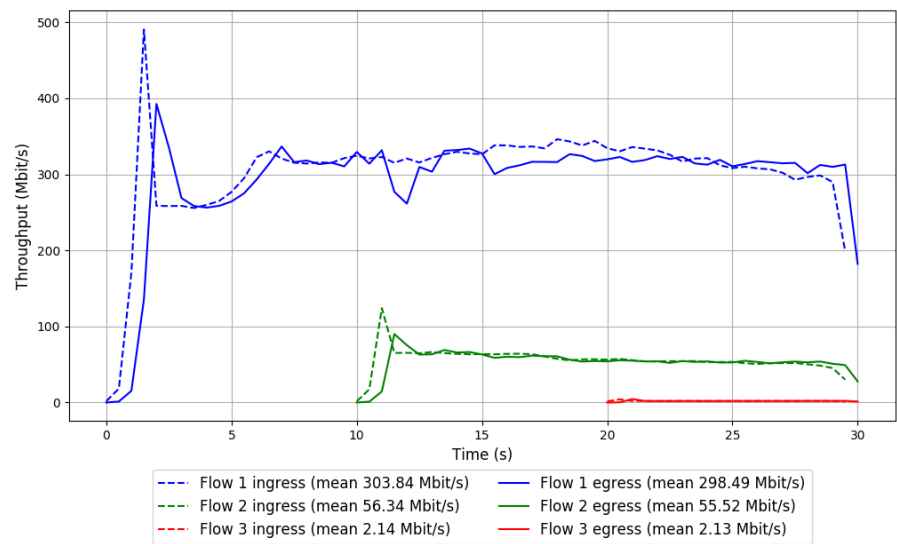


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-06 09:20:25
End at: 2018-07-06 09:20:55
Local clock offset: -0.084 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-06 12:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.03 Mbit/s
95th percentile per-packet one-way delay: 232.933 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 298.49 Mbit/s
95th percentile per-packet one-way delay: 232.778 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 234.393 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 230.868 ms
Loss rate: 1.85%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-06 09:44:19

End at: 2018-07-06 09:44:49

Local clock offset: -0.443 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-07-06 12:53:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.99 Mbit/s

95th percentile per-packet one-way delay: 90.828 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 271.13 Mbit/s

95th percentile per-packet one-way delay: 90.988 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 87.827 ms

Loss rate: 0.68%

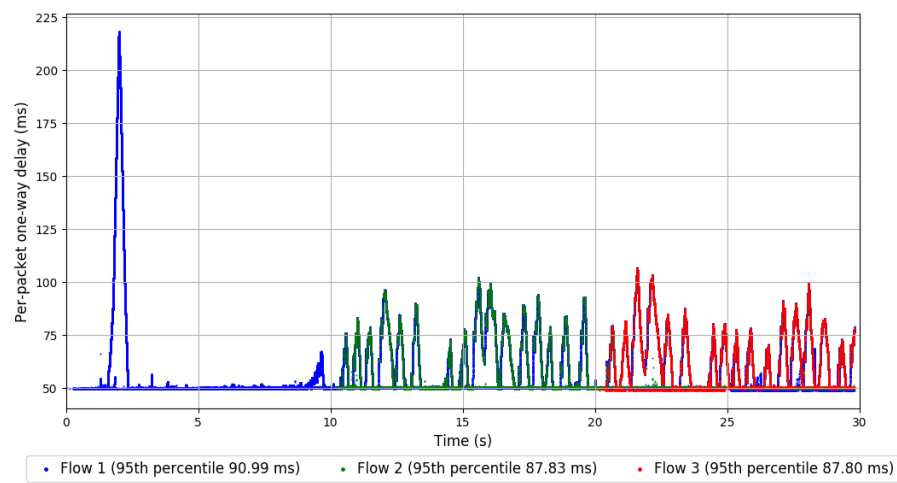
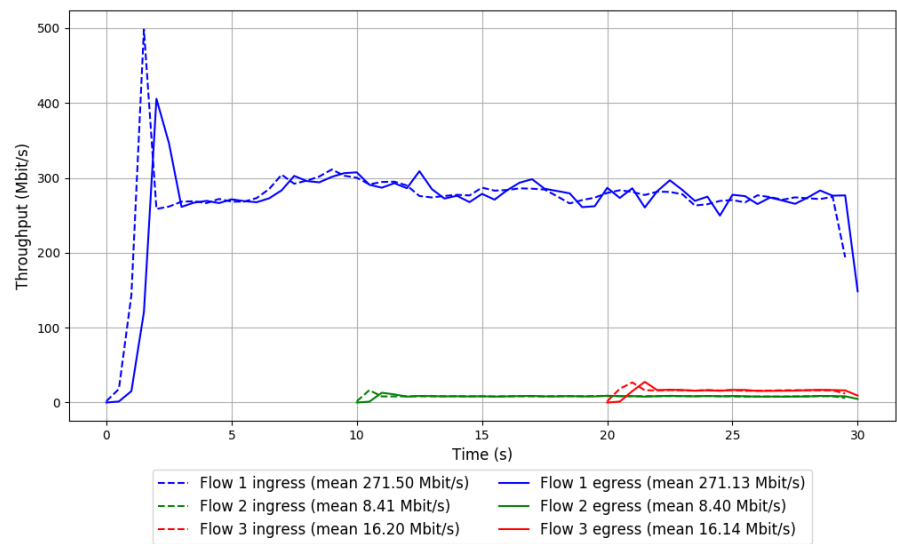
-- Flow 3:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 87.804 ms

Loss rate: 1.38%

Run 7: Report of PCC-Allegro — Data Link

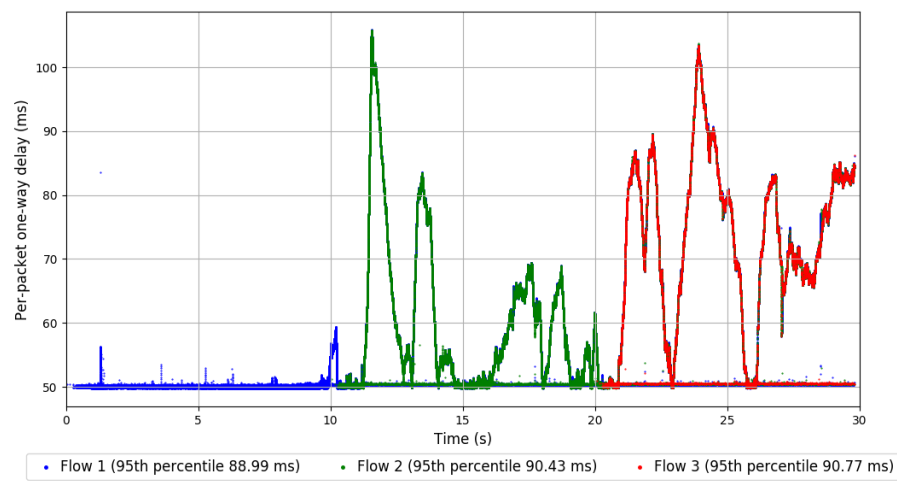
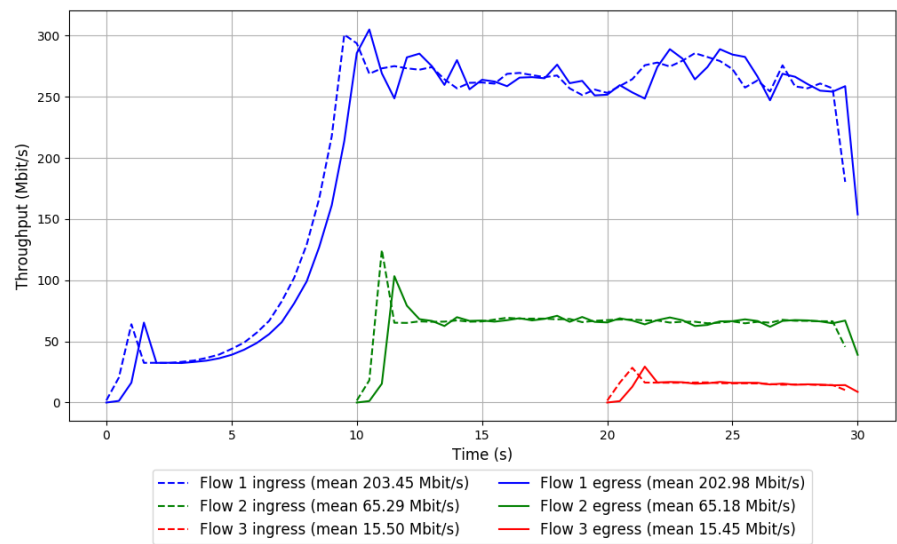


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-06 10:08:15
End at: 2018-07-06 10:08:45
Local clock offset: -0.462 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2018-07-06 12:56:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.28 Mbit/s
95th percentile per-packet one-way delay: 89.192 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 202.98 Mbit/s
95th percentile per-packet one-way delay: 88.992 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 90.430 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 90.768 ms
Loss rate: 1.27%
```

Run 8: Report of PCC-Allegro — Data Link

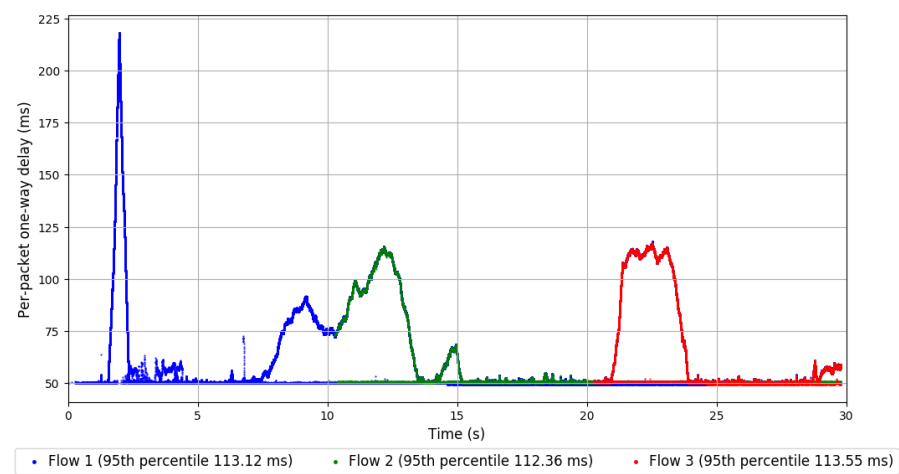
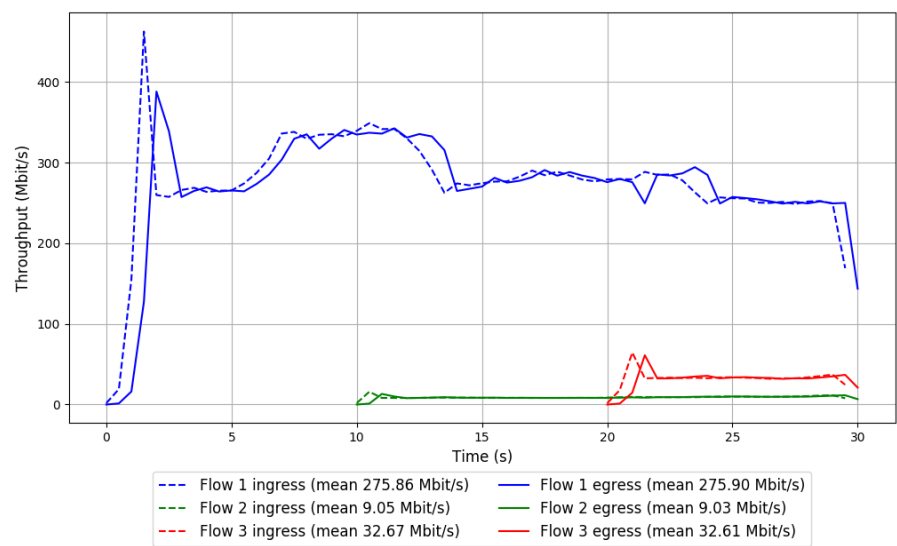


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-06 10:31:59
End at: 2018-07-06 10:32:29
Local clock offset: -0.096 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-06 12:57:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.57 Mbit/s
95th percentile per-packet one-way delay: 113.144 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 113.123 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 113.554 ms
Loss rate: 1.19%

Run 9: Report of PCC-Allegro — Data Link

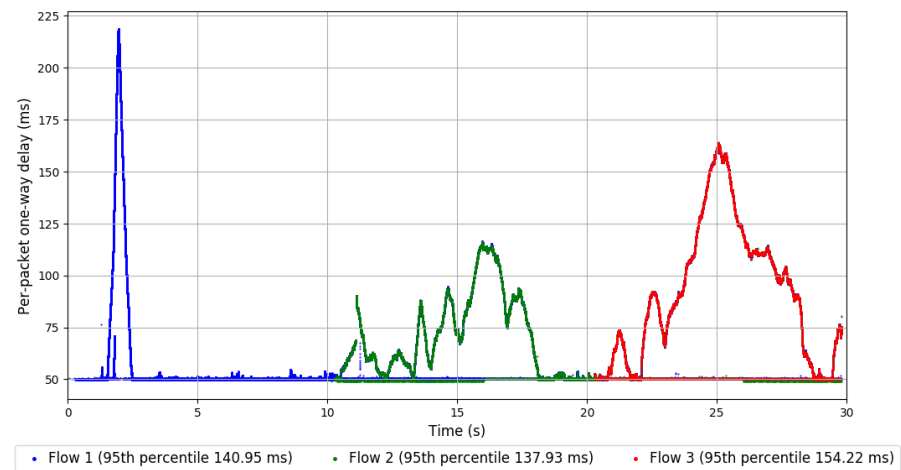
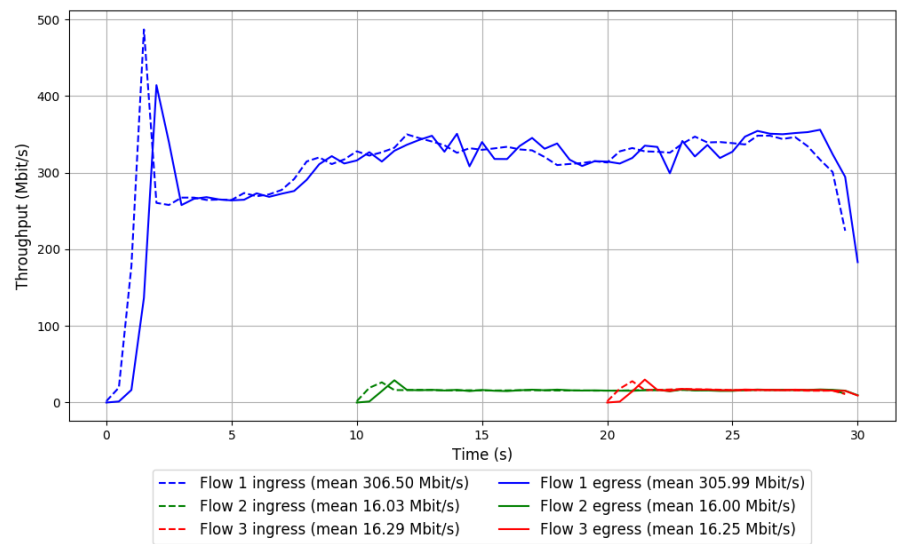


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-06 10:55:48
End at: 2018-07-06 10:56:18
Local clock offset: -0.482 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-06 12:57:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.88 Mbit/s
95th percentile per-packet one-way delay: 141.180 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 305.99 Mbit/s
95th percentile per-packet one-way delay: 140.951 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 137.928 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 154.223 ms
Loss rate: 1.19%

Run 10: Report of PCC-Allegro — Data Link

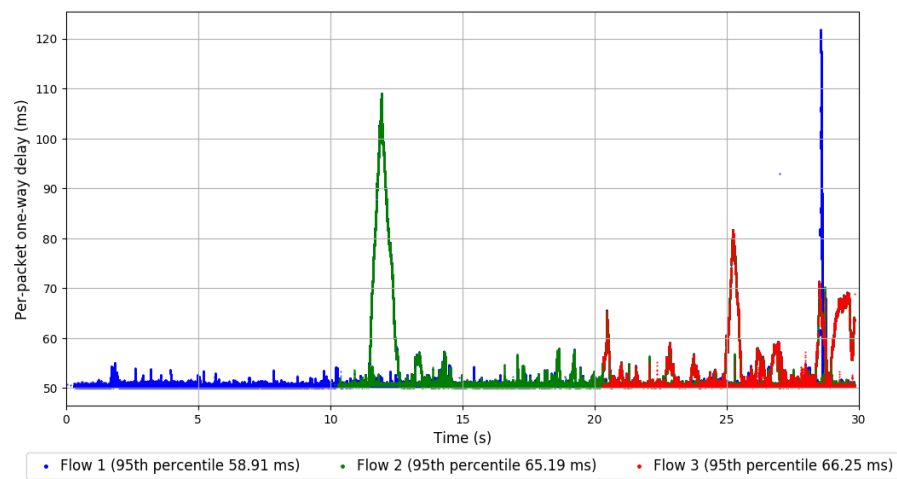
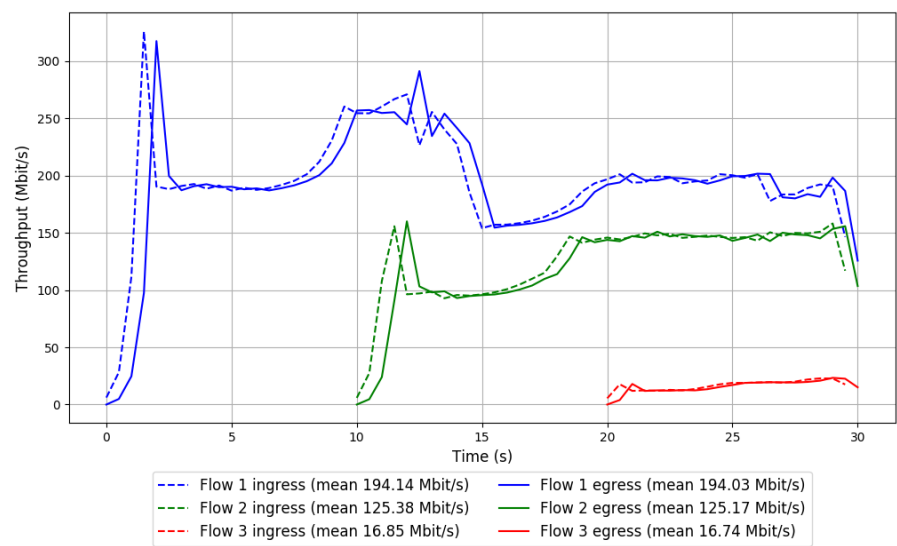


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-06 07:14:02
End at: 2018-07-06 07:14:32
Local clock offset: -0.046 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-07-06 13:01:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.59 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 194.03 Mbit/s
95th percentile per-packet one-way delay: 58.914 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 125.17 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 66.245 ms
Loss rate: 1.63%
```


Run 1: Report of PCC-Expr — Data Link

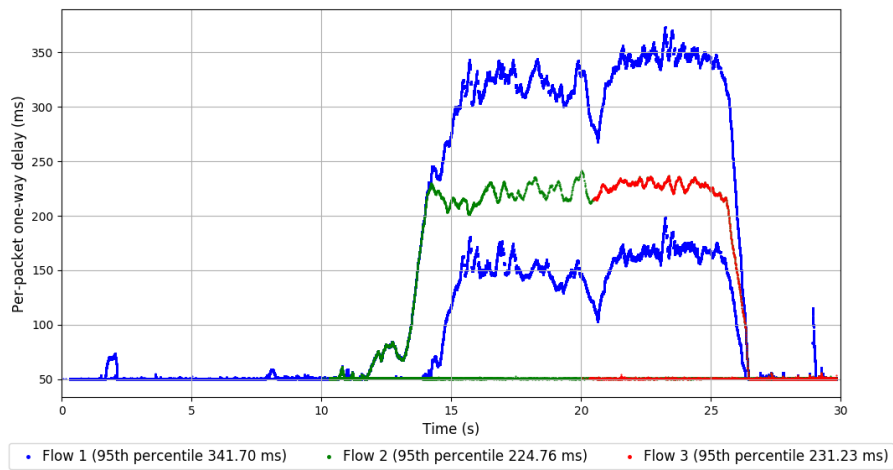
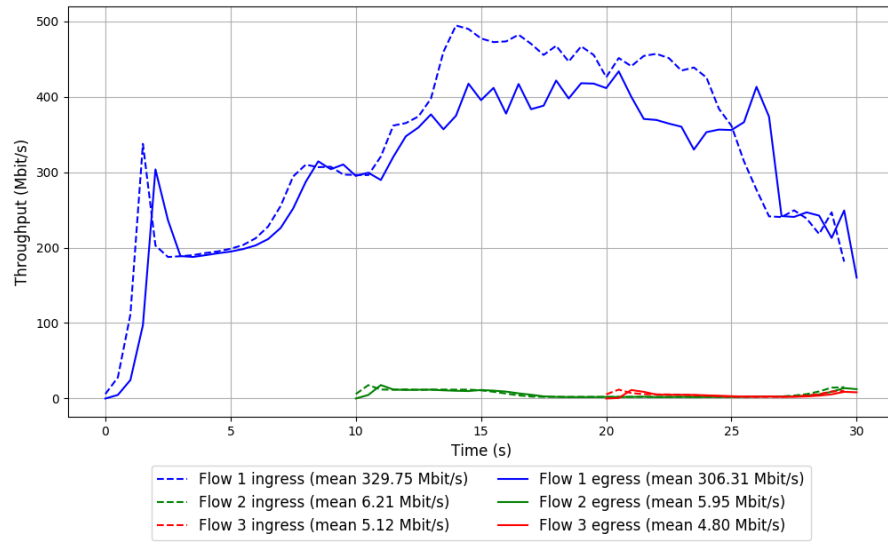


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-06 07:37:52
End at: 2018-07-06 07:38:22
Local clock offset: -0.055 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-07-06 13:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.79 Mbit/s
95th percentile per-packet one-way delay: 341.516 ms
Loss rate: 7.39%
-- Flow 1:
Average throughput: 306.31 Mbit/s
95th percentile per-packet one-way delay: 341.702 ms
Loss rate: 7.43%
-- Flow 2:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 224.764 ms
Loss rate: 4.76%
-- Flow 3:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 231.227 ms
Loss rate: 7.14%
```

Run 2: Report of PCC-Expr — Data Link

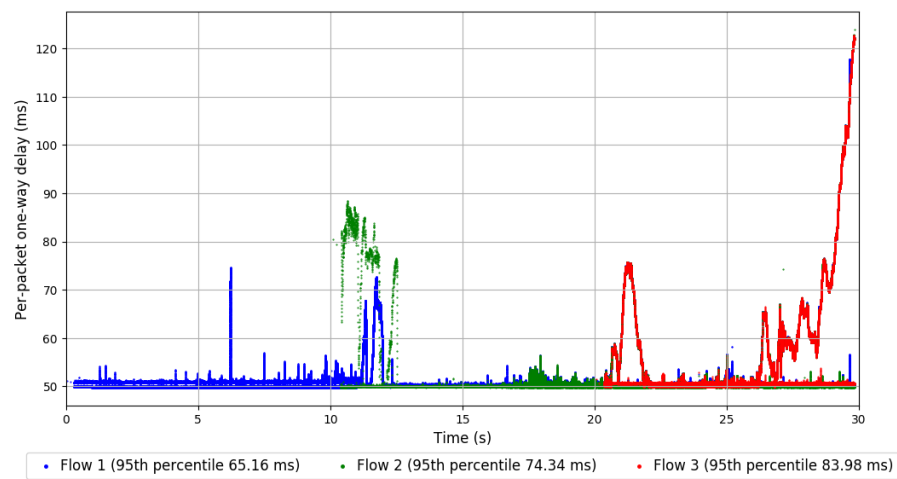
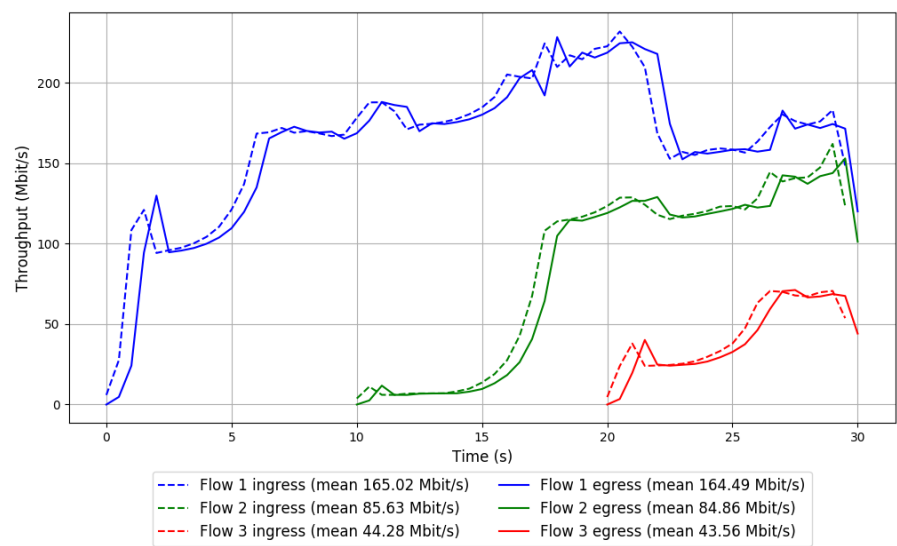


```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-06 08:01:53
End at: 2018-07-06 08:02:23
Local clock offset: -0.048 ms
Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2018-07-06 13:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.99 Mbit/s
95th percentile per-packet one-way delay: 68.162 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 164.49 Mbit/s
95th percentile per-packet one-way delay: 65.159 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 74.340 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 83.983 ms
Loss rate: 2.65%
```

Run 3: Report of PCC-Expr — Data Link

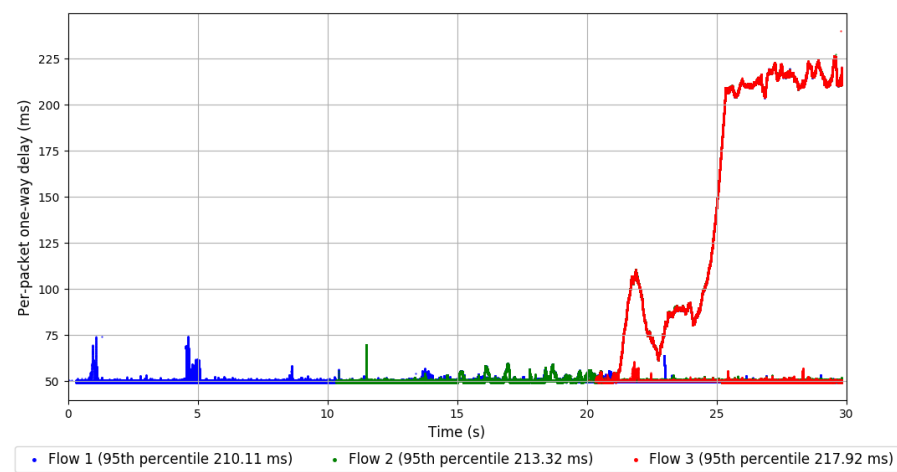
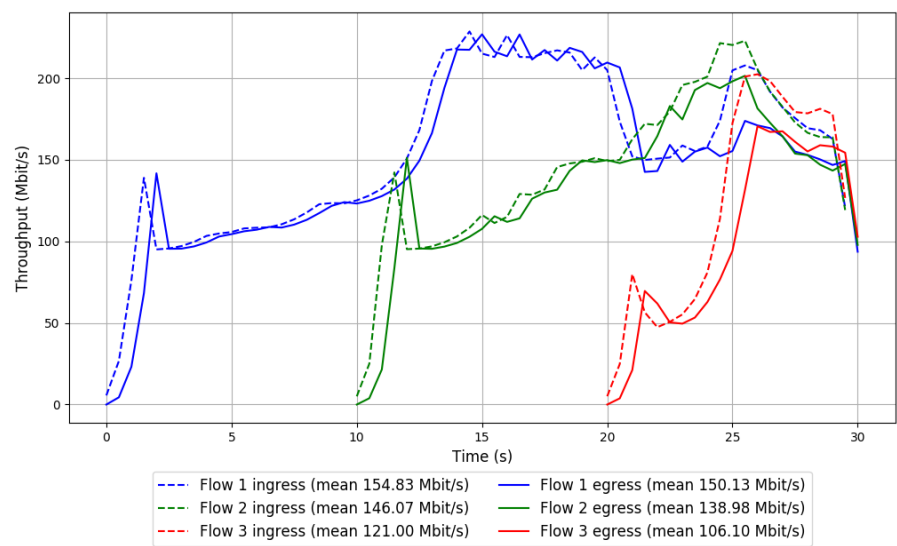


Run 4: Statistics of PCC-Expr

Start at: 2018-07-06 08:25:55
End at: 2018-07-06 08:26:25
Local clock offset: -0.389 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-06 13:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.11 Mbit/s
95th percentile per-packet one-way delay: 213.351 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 150.13 Mbit/s
95th percentile per-packet one-way delay: 210.110 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 138.98 Mbit/s
95th percentile per-packet one-way delay: 213.323 ms
Loss rate: 5.34%
-- Flow 3:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: 217.923 ms
Loss rate: 13.21%

Run 4: Report of PCC-Expr — Data Link

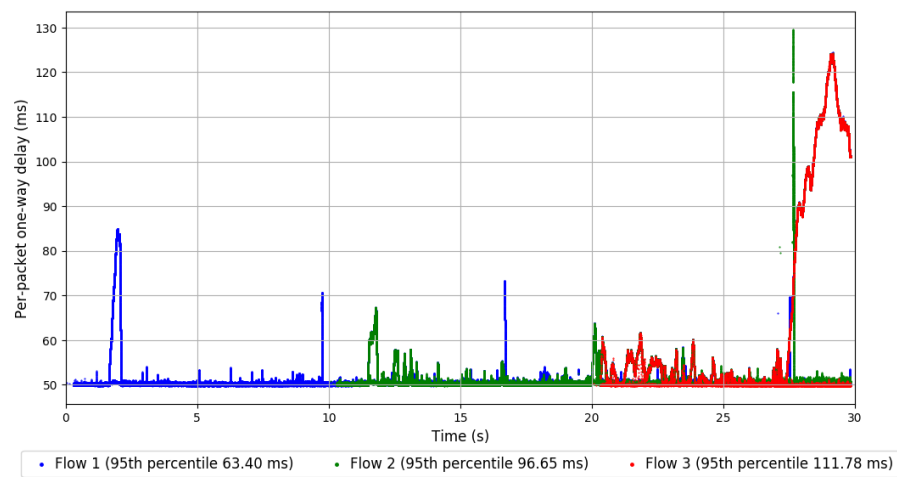
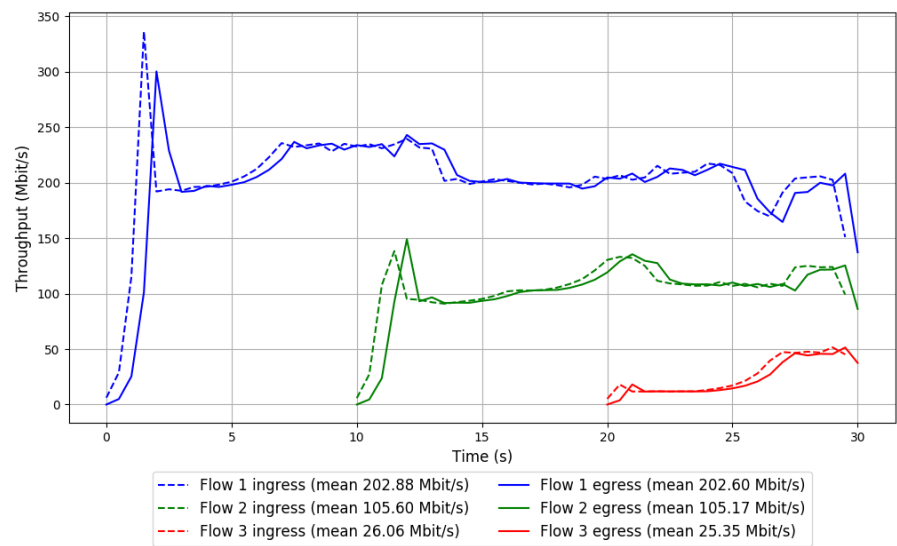


Run 5: Statistics of PCC-Expr

Start at: 2018-07-06 08:49:49
End at: 2018-07-06 08:50:19
Local clock offset: -0.091 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-07-06 13:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.72 Mbit/s
95th percentile per-packet one-way delay: 82.463 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 202.60 Mbit/s
95th percentile per-packet one-way delay: 63.397 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 105.17 Mbit/s
95th percentile per-packet one-way delay: 96.646 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 3.72%

Run 5: Report of PCC-Expr — Data Link

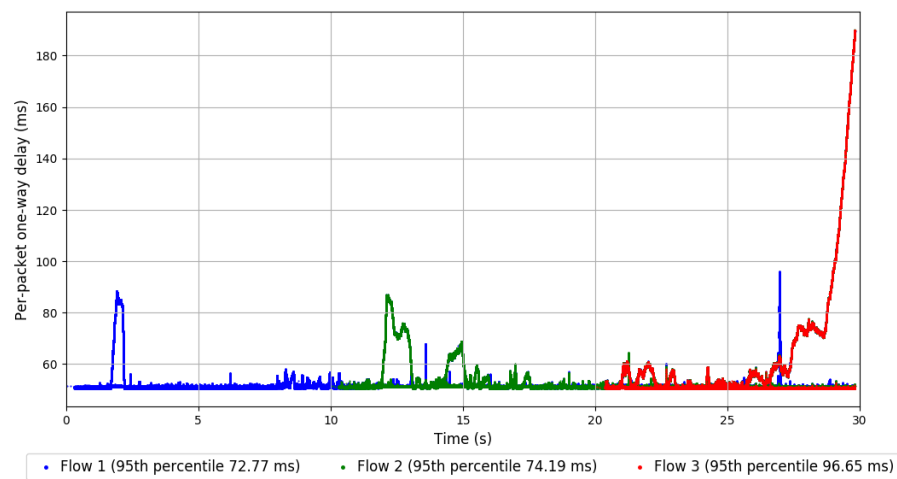
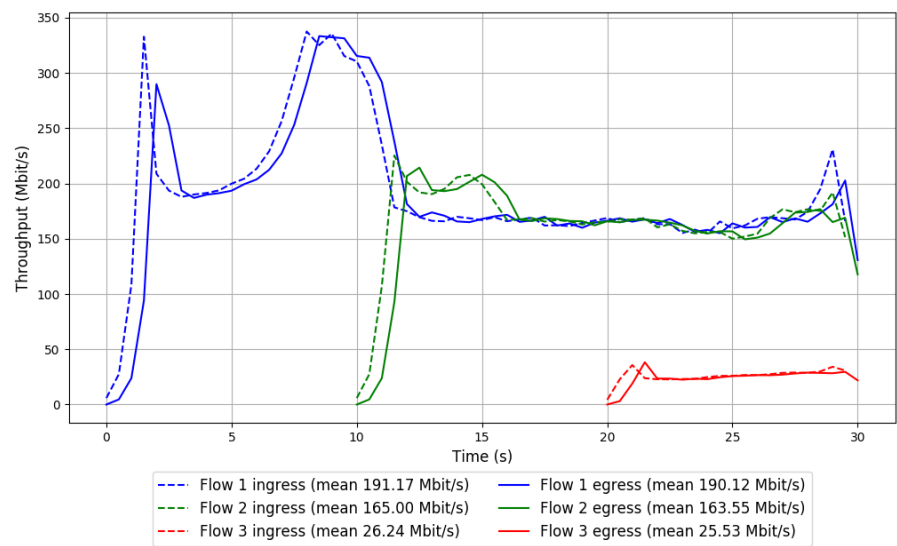


Run 6: Statistics of PCC-Expr

Start at: 2018-07-06 09:13:26
End at: 2018-07-06 09:13:56
Local clock offset: 0.206 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-07-06 13:06:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.06 Mbit/s
95th percentile per-packet one-way delay: 73.556 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 190.12 Mbit/s
95th percentile per-packet one-way delay: 72.774 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 74.191 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 96.653 ms
Loss rate: 3.69%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-06 09:37:26

End at: 2018-07-06 09:37:56

Local clock offset: -0.45 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-06 13:07:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.95 Mbit/s

95th percentile per-packet one-way delay: 227.606 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 219.60 Mbit/s

95th percentile per-packet one-way delay: 221.279 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 121.43 Mbit/s

95th percentile per-packet one-way delay: 231.944 ms

Loss rate: 3.62%

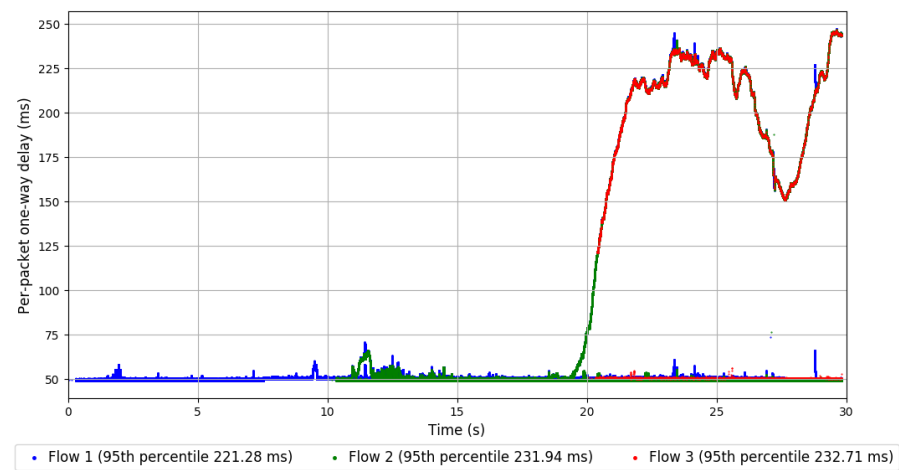
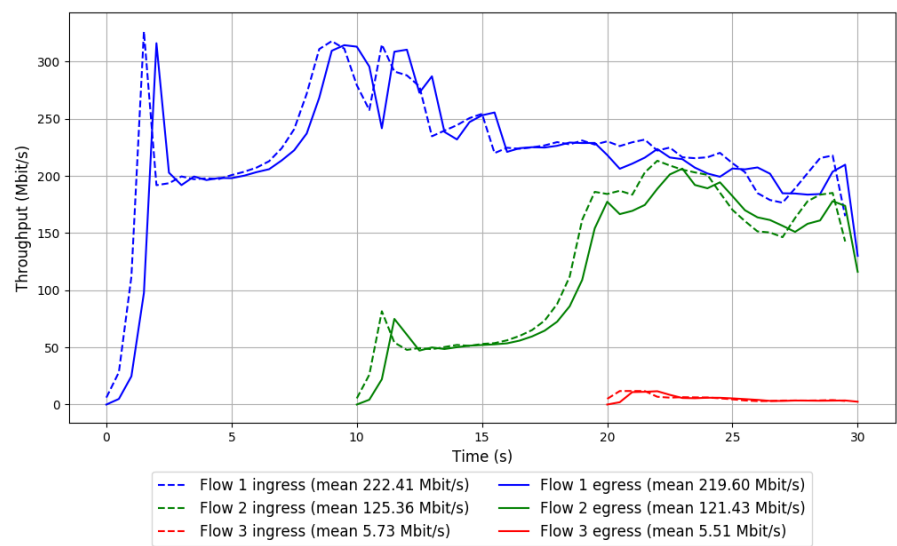
-- Flow 3:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 232.708 ms

Loss rate: 4.75%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-06 10:01:24

End at: 2018-07-06 10:01:54

Local clock offset: -0.109 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-06 13:07:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.33 Mbit/s

95th percentile per-packet one-way delay: 220.850 ms

Loss rate: 4.11%

-- Flow 1:

Average throughput: 123.05 Mbit/s

95th percentile per-packet one-way delay: 208.939 ms

Loss rate: 1.80%

-- Flow 2:

Average throughput: 146.59 Mbit/s

95th percentile per-packet one-way delay: 219.463 ms

Loss rate: 4.53%

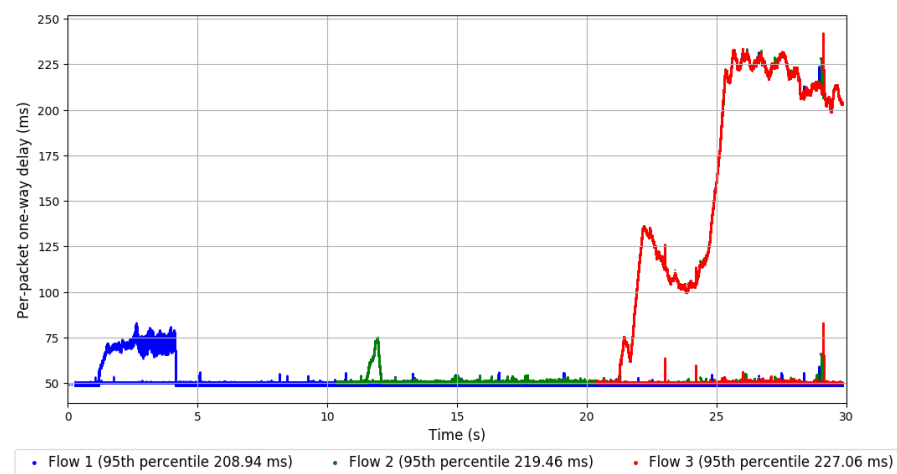
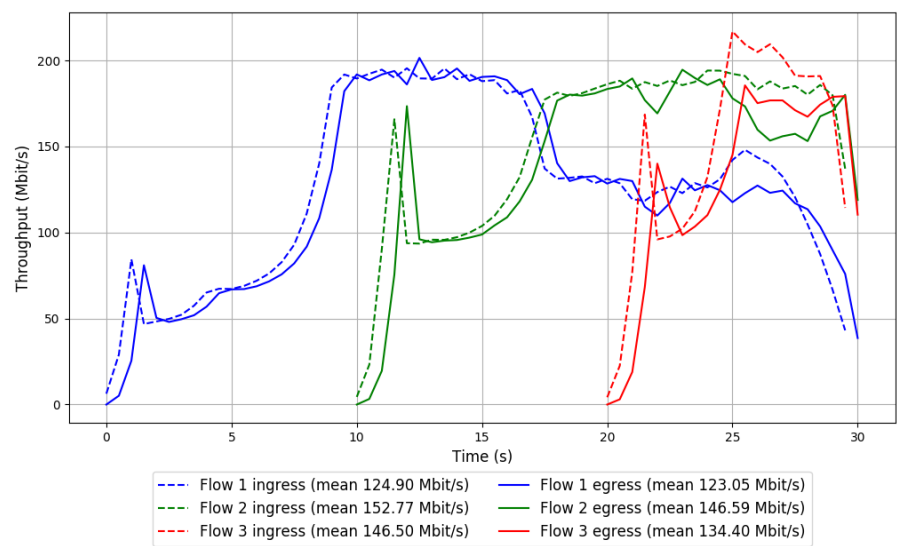
-- Flow 3:

Average throughput: 134.40 Mbit/s

95th percentile per-packet one-way delay: 227.063 ms

Loss rate: 9.20%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-06 10:25:10

End at: 2018-07-06 10:25:40

Local clock offset: 0.249 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-06 13:10:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.73 Mbit/s

95th percentile per-packet one-way delay: 60.161 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 179.98 Mbit/s

95th percentile per-packet one-way delay: 59.598 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 119.46 Mbit/s

95th percentile per-packet one-way delay: 62.816 ms

Loss rate: 0.68%

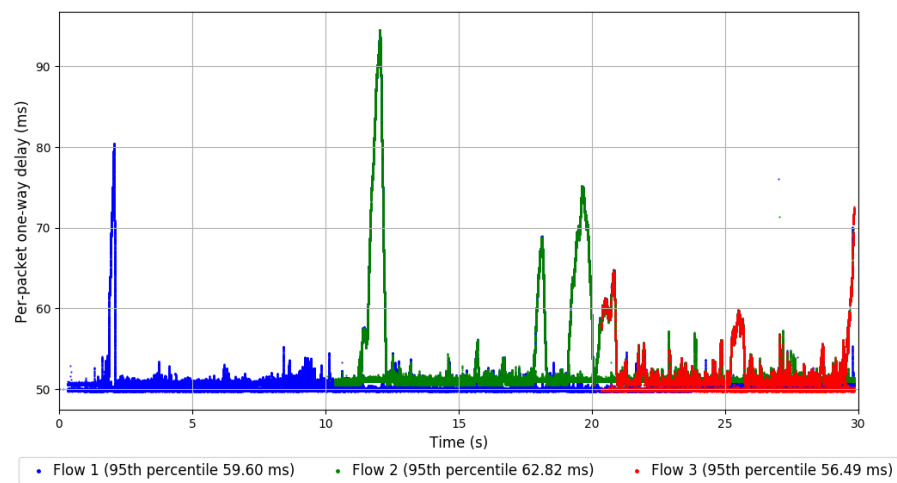
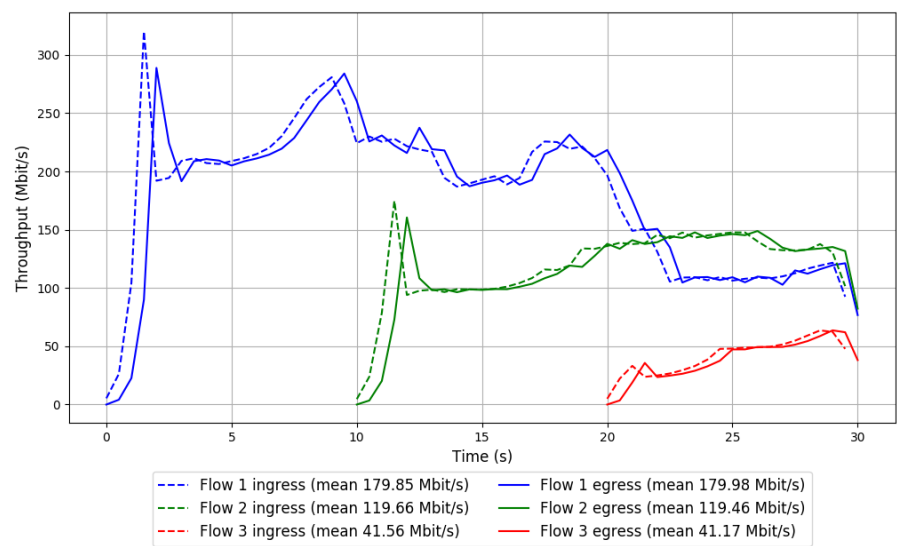
-- Flow 3:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 56.487 ms

Loss rate: 1.95%

Run 9: Report of PCC-Expr — Data Link

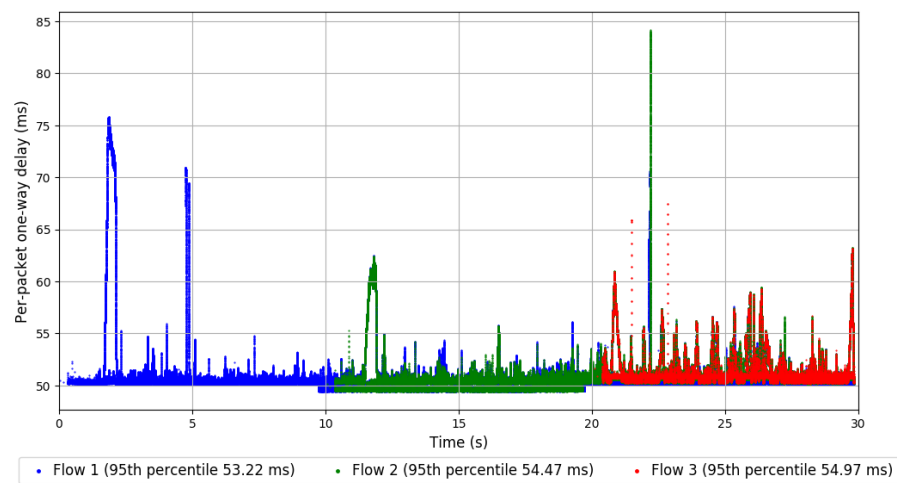
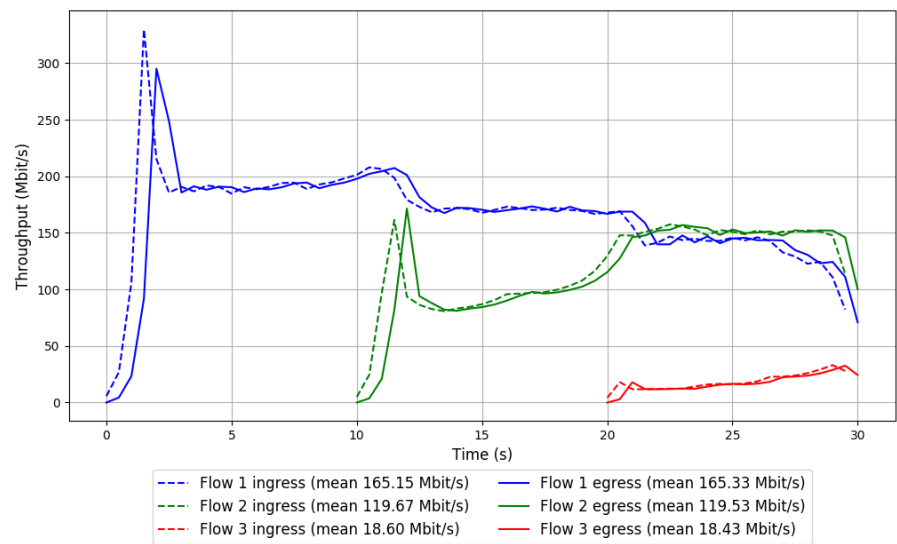


Run 10: Statistics of PCC-Expr

Start at: 2018-07-06 10:48:54
End at: 2018-07-06 10:49:24
Local clock offset: -0.091 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.66 Mbit/s
95th percentile per-packet one-way delay: 53.776 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 165.33 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 119.53 Mbit/s
95th percentile per-packet one-way delay: 54.468 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 1.93%

Run 10: Report of PCC-Expr — Data Link

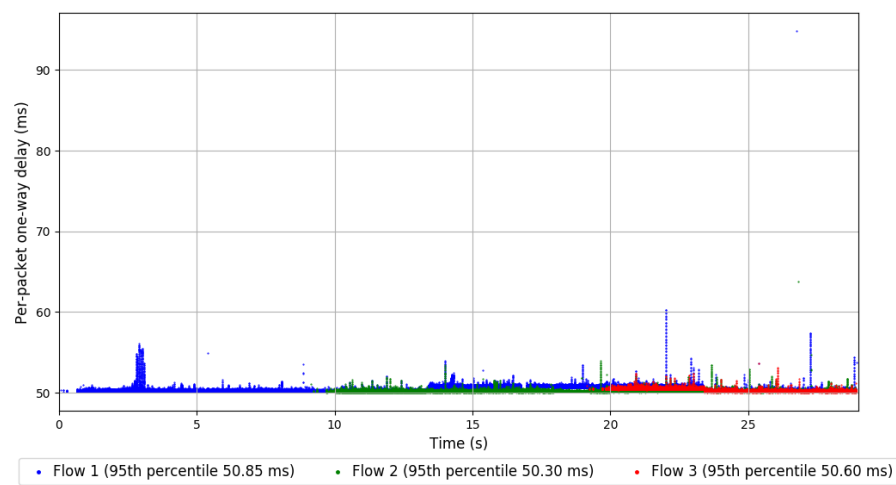
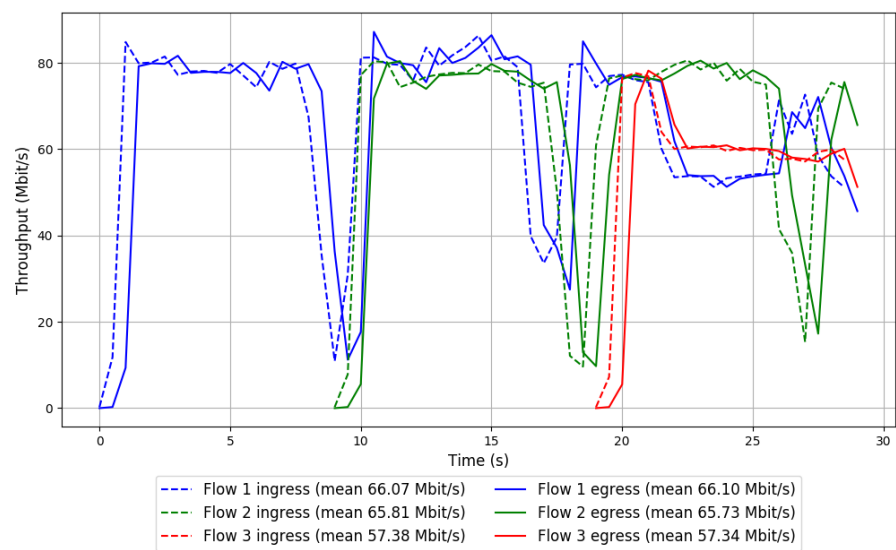


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-06 07:28:10
End at: 2018-07-06 07:28:40
Local clock offset: -0.06 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.57 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 50.851 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 50.299 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 1.08%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-06 07:52:04

End at: 2018-07-06 07:52:34

Local clock offset: -0.078 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.70 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 65.22 Mbit/s

95th percentile per-packet one-way delay: 50.837 ms

Loss rate: 0.62%

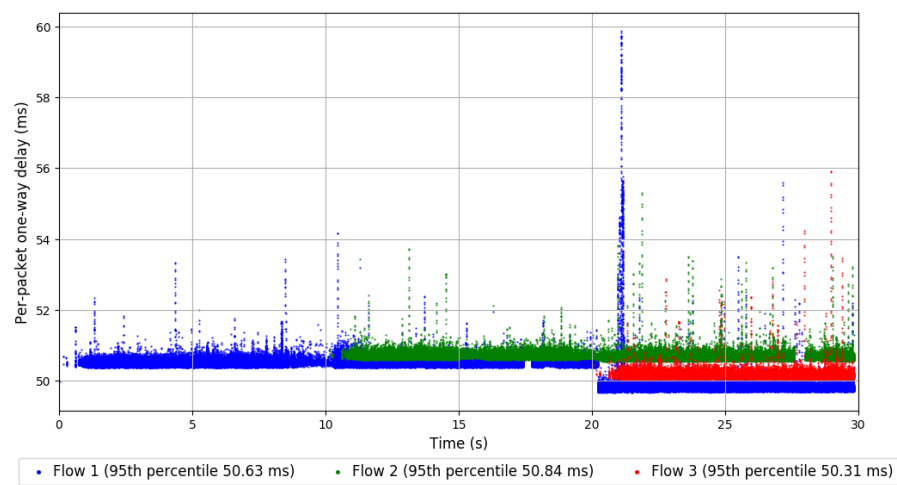
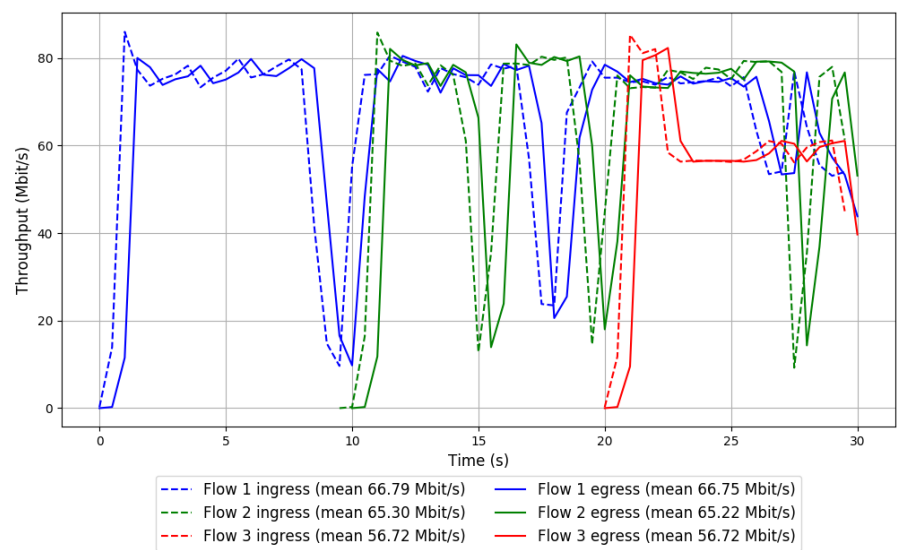
-- Flow 3:

Average throughput: 56.72 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 1.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-06 08:16:04

End at: 2018-07-06 08:16:34

Local clock offset: 0.344 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.92 Mbit/s

95th percentile per-packet one-way delay: 51.100 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 66.50 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 65.81 Mbit/s

95th percentile per-packet one-way delay: 50.230 ms

Loss rate: 0.63%

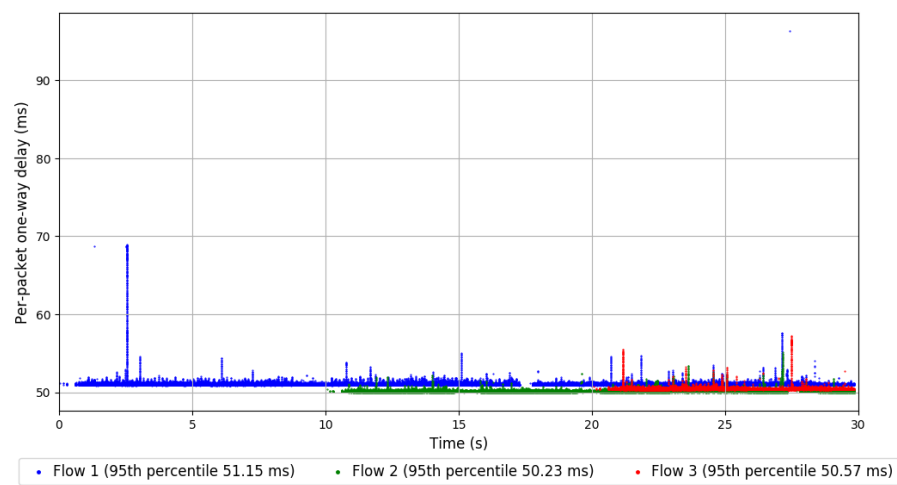
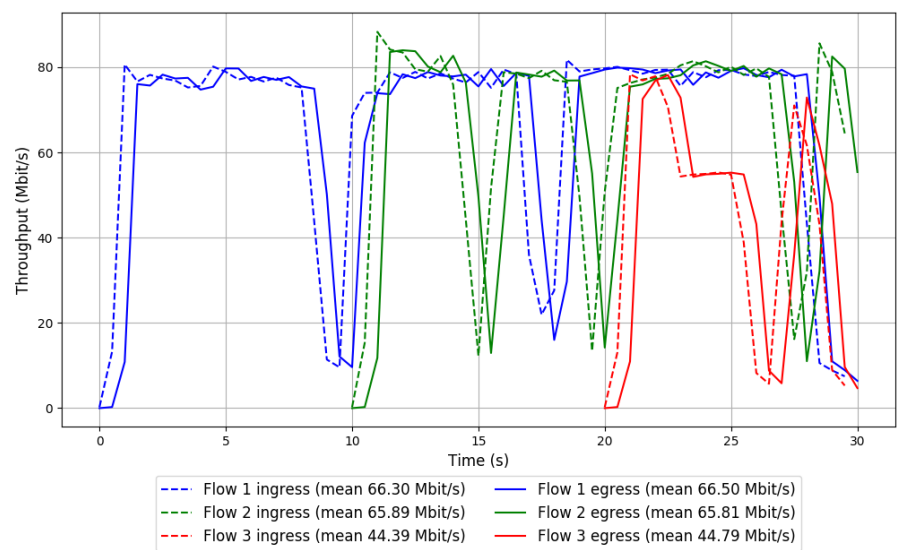
-- Flow 3:

Average throughput: 44.79 Mbit/s

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

Loss rate: 0.15%

Run 3: Report of QUIC Cubic — Data Link

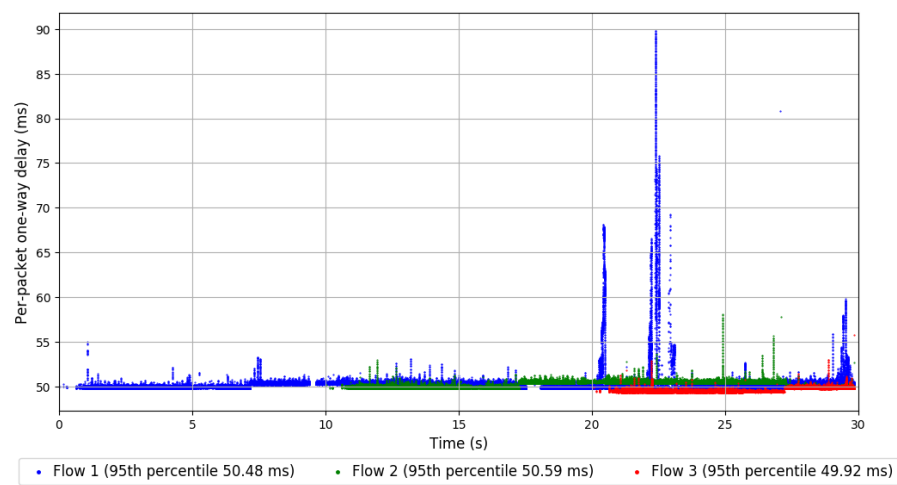
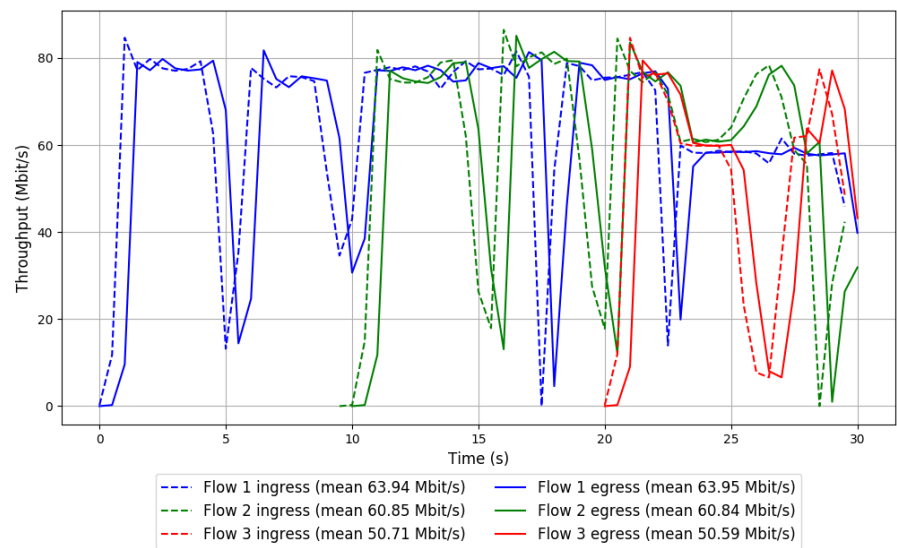


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-06 08:40:07
End at: 2018-07-06 08:40:37
Local clock offset: -0.412 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.98 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 63.95 Mbit/s
95th percentile per-packet one-way delay: 50.476 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 50.59 Mbit/s
95th percentile per-packet one-way delay: 49.924 ms
Loss rate: 1.22%

Run 4: Report of QUIC Cubic — Data Link

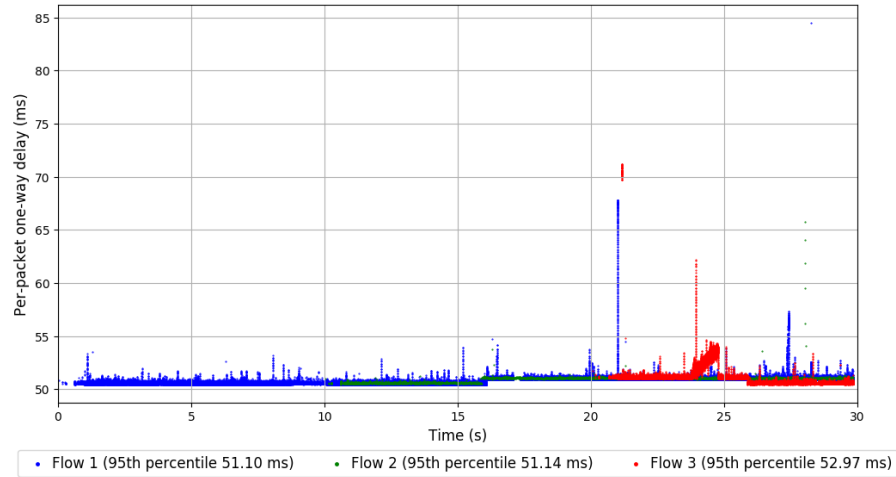
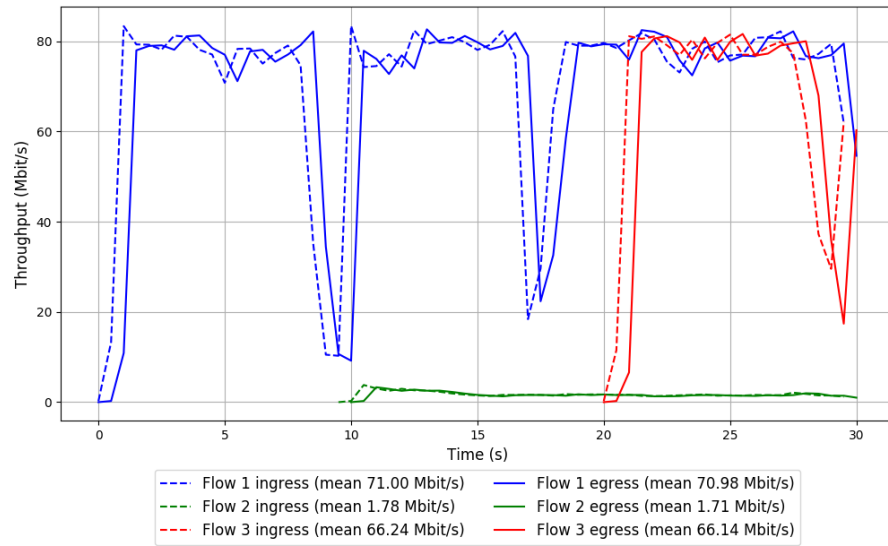


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-06 09:03:38
End at: 2018-07-06 09:04:08
Local clock offset: 0.231 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 51.217 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 51.105 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 51.142 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 52.974 ms
Loss rate: 1.17%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-06 09:27:38

End at: 2018-07-06 09:28:08

Local clock offset: -0.073 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 72.89 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 59.79 Mbit/s

95th percentile per-packet one-way delay: 50.782 ms

Loss rate: 0.38%

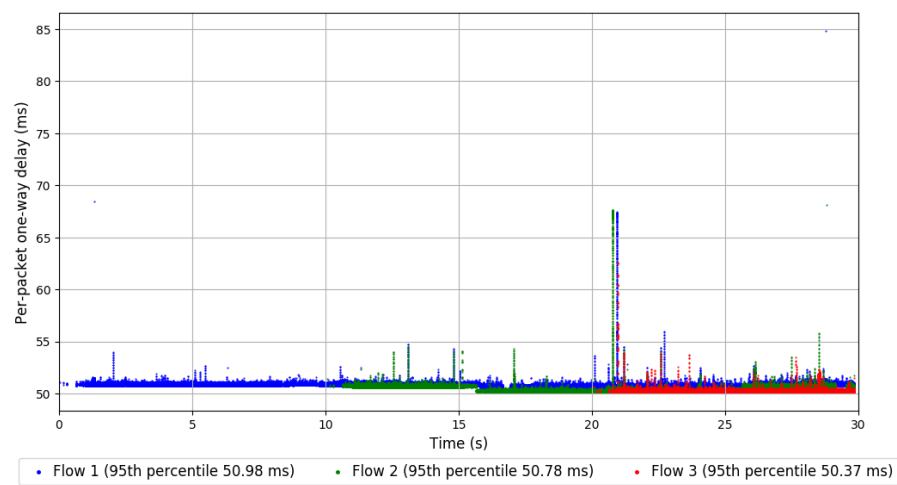
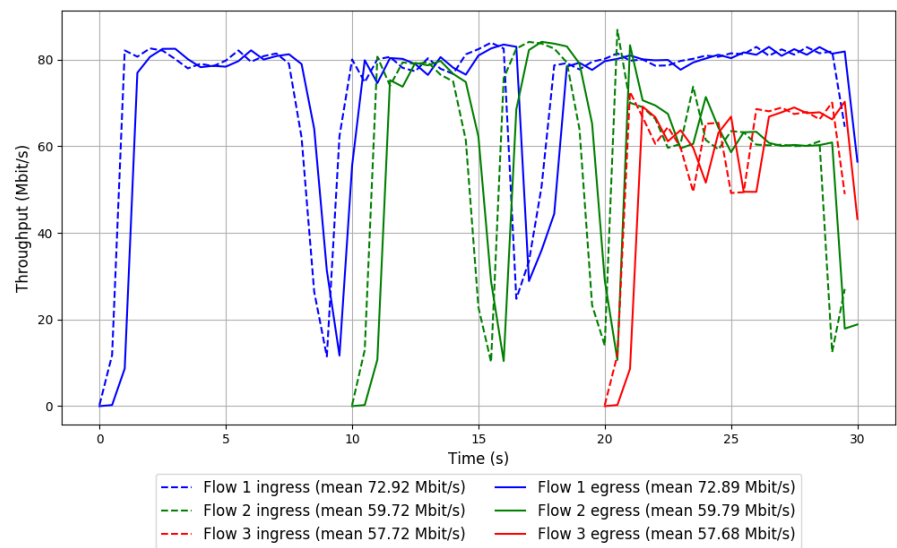
-- Flow 3:

Average throughput: 57.68 Mbit/s

95th percentile per-packet one-way delay: 50.372 ms

Loss rate: 1.08%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-06 09:51:31

End at: 2018-07-06 09:52:01

Local clock offset: -0.067 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.11 Mbit/s

95th percentile per-packet one-way delay: 50.772 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 69.65 Mbit/s

95th percentile per-packet one-way delay: 50.455 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 60.06 Mbit/s

95th percentile per-packet one-way delay: 50.794 ms

Loss rate: 0.26%

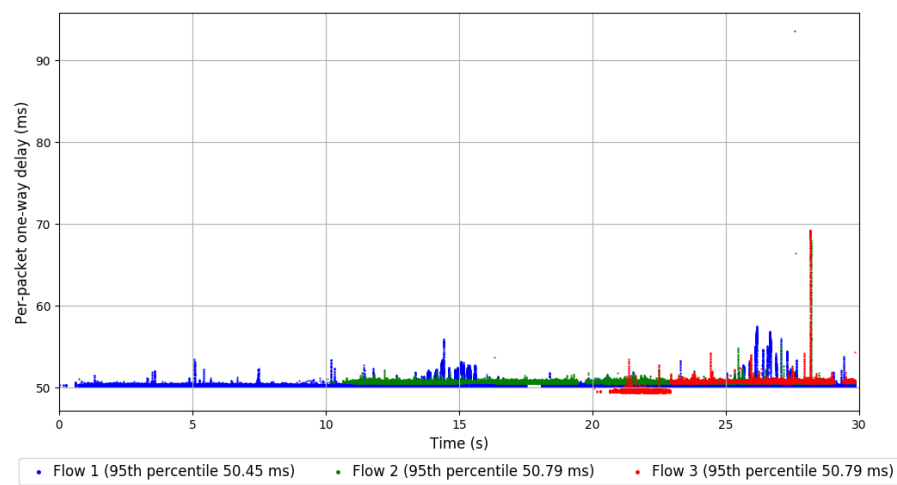
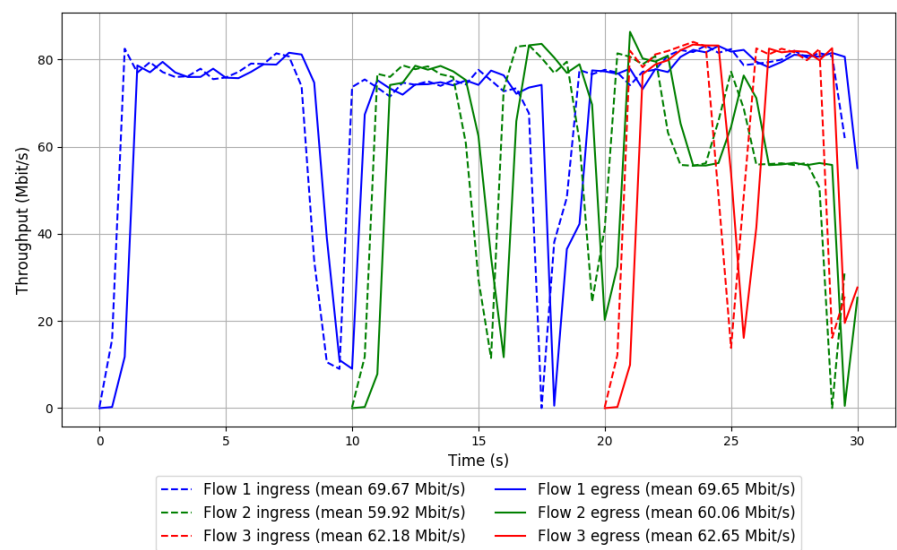
-- Flow 3:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.22%

Run 7: Report of QUIC Cubic — Data Link

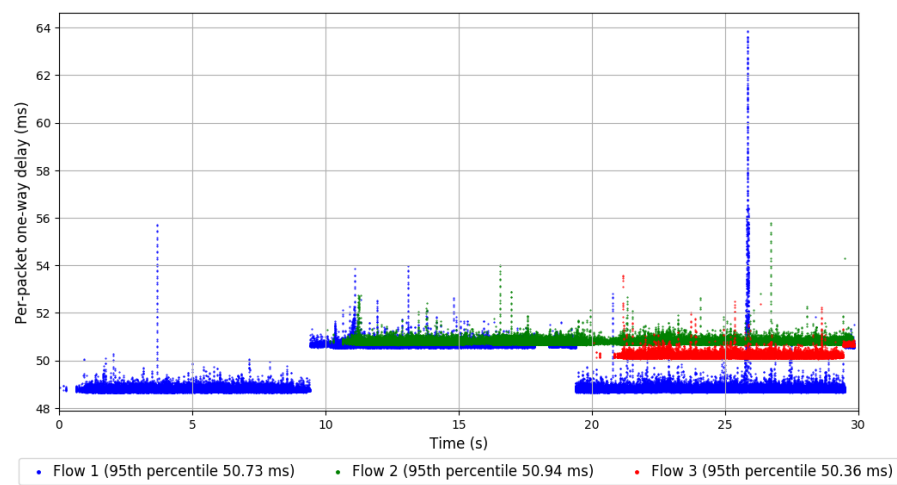
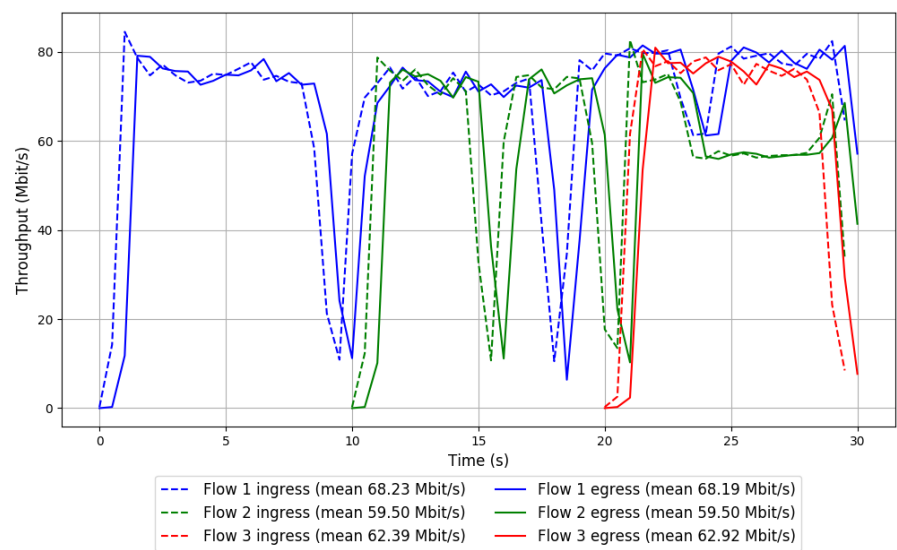


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-06 10:15:25
End at: 2018-07-06 10:15:55
Local clock offset: -0.165 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 50.865 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 50.731 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 50.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 50.359 ms
Loss rate: 0.17%

Run 8: Report of QUIC Cubic — Data Link

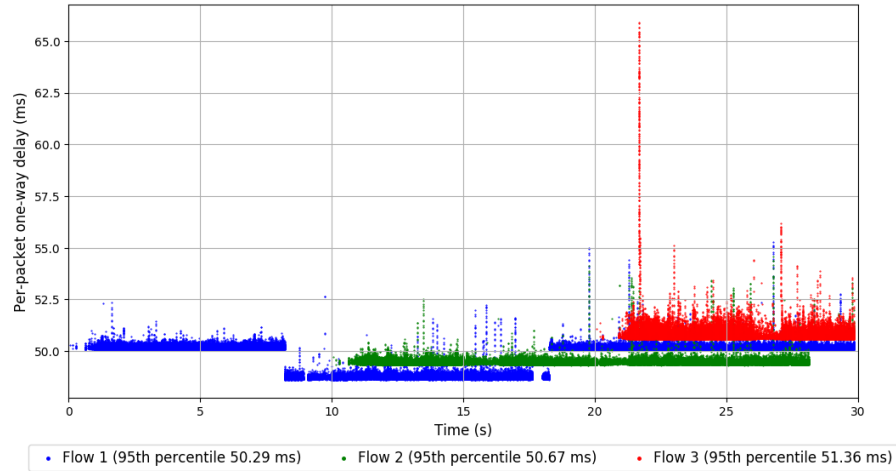
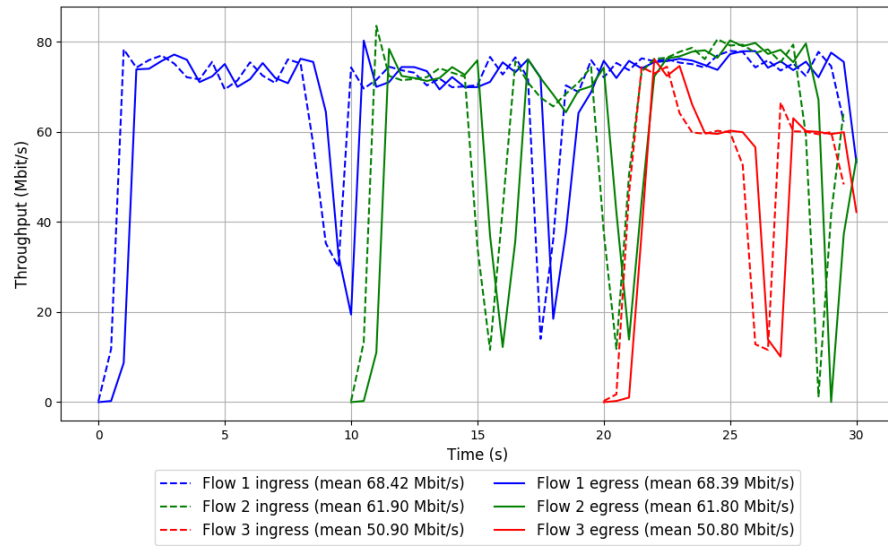


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-06 10:39:06
End at: 2018-07-06 10:39:36
Local clock offset: -0.142 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.11 Mbit/s
95th percentile per-packet one-way delay: 50.769 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 50.292 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 50.668 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 51.361 ms
Loss rate: 1.21%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-06 11:02:57

End at: 2018-07-06 11:03:27

Local clock offset: -0.4 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.51 Mbit/s

95th percentile per-packet one-way delay: 49.184 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 49.156 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 49.767 ms

Loss rate: 0.04%

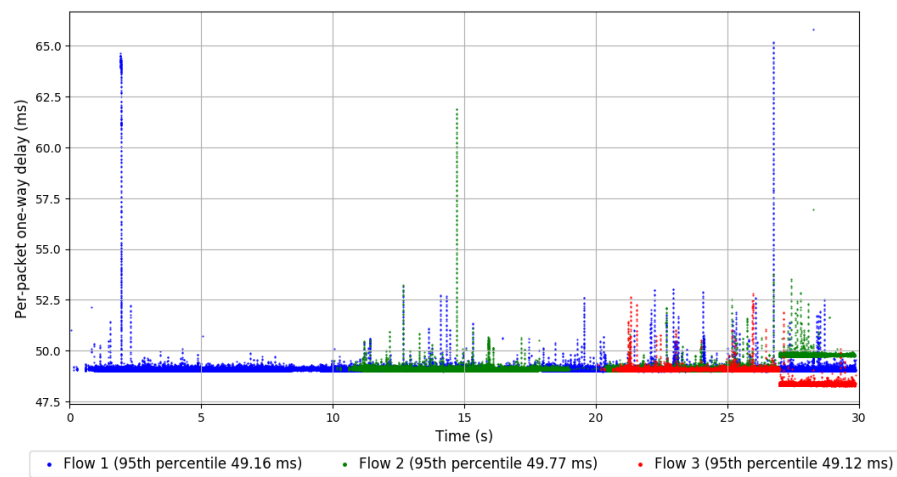
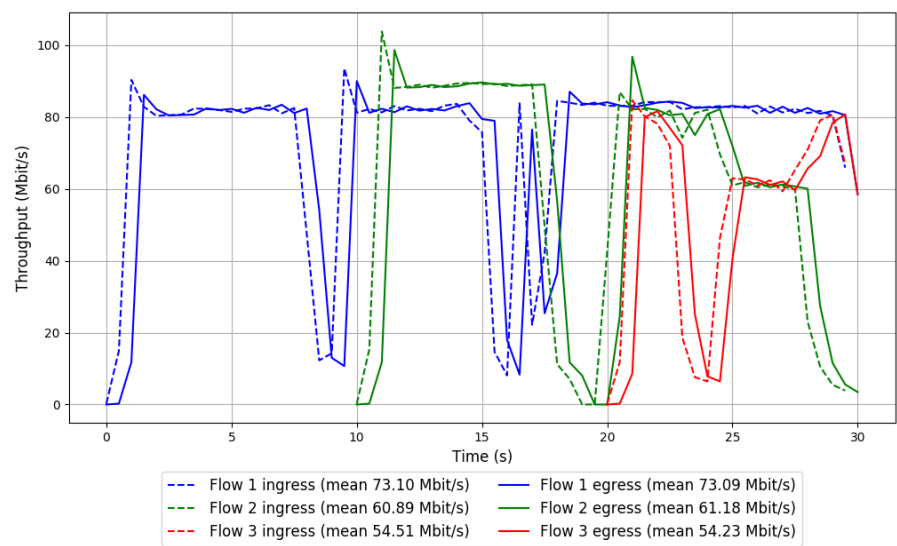
-- Flow 3:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 49.115 ms

Loss rate: 1.52%

Run 10: Report of QUIC Cubic — Data Link

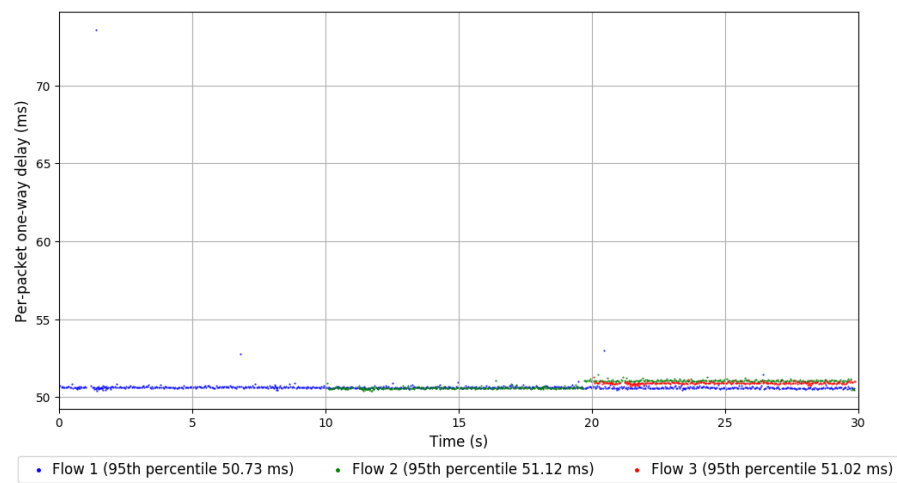
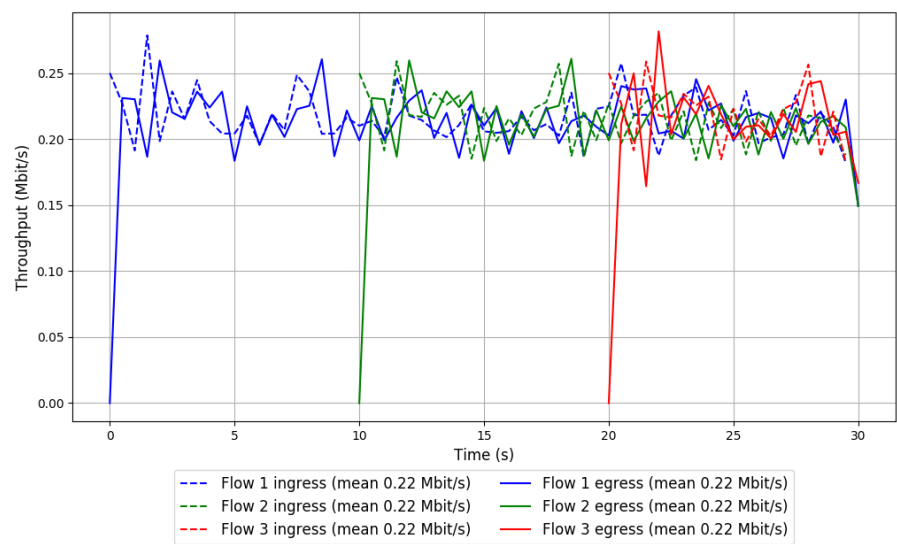


```
Run 1: Statistics of SReAM

Start at: 2018-07-06 07:29:24
End at: 2018-07-06 07:29:54
Local clock offset: 0.271 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-07-06 13:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.733 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.121 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 1.09%
```


Run 1: Report of SReAM — Data Link

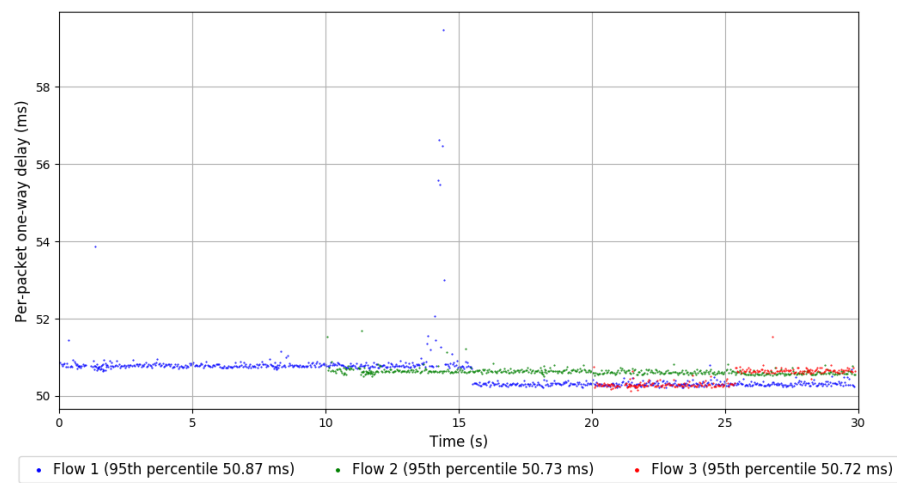
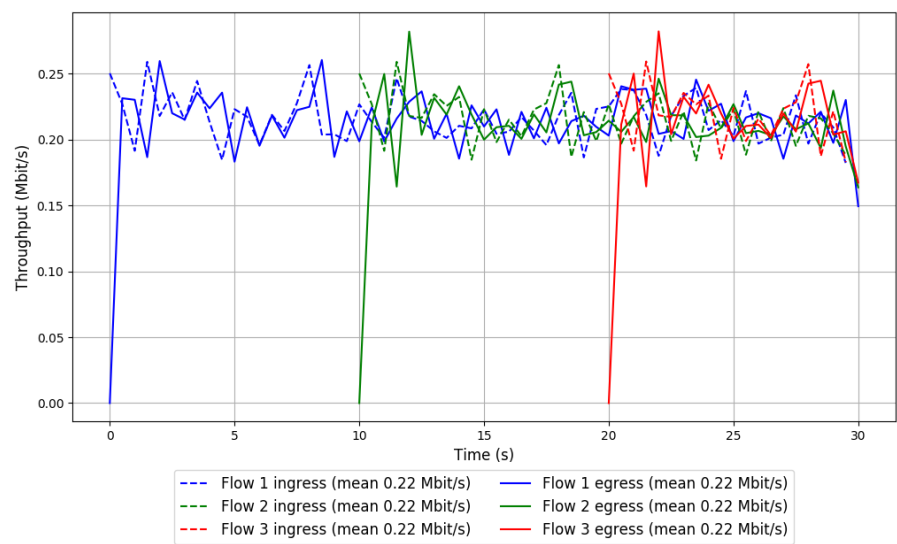


```
Run 2: Statistics of SCReAM

Start at: 2018-07-06 07:53:19
End at: 2018-07-06 07:53:49
Local clock offset: -0.057 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2018-07-06 13:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.833 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.867 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.723 ms
Loss rate: 1.09%
```

Run 2: Report of SReAM — Data Link

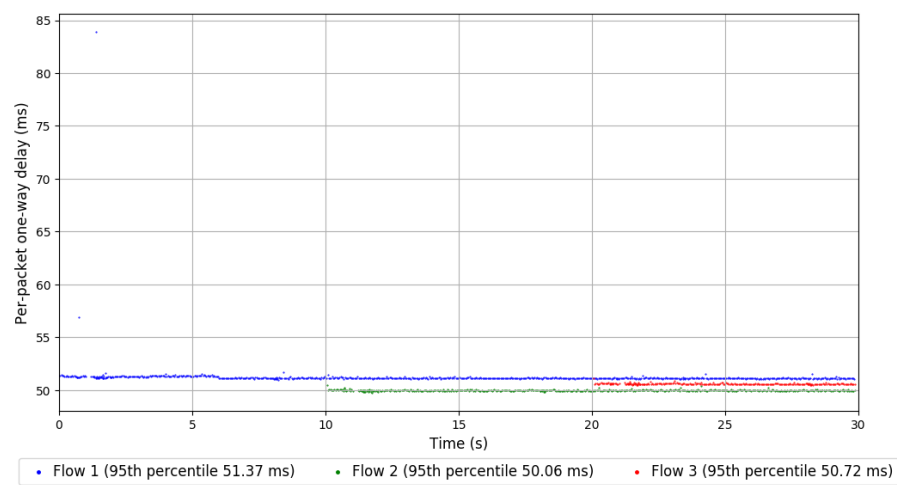
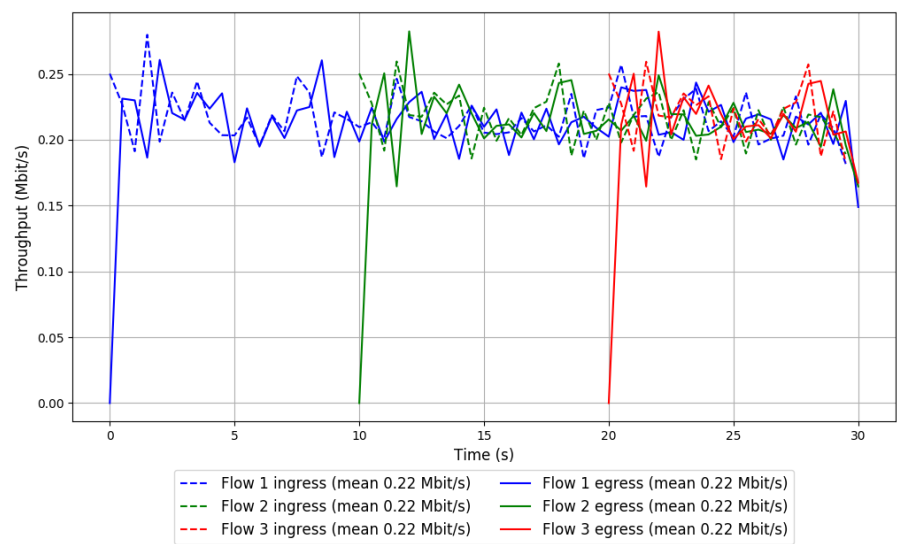


Run 3: Statistics of SReAM

Start at: 2018-07-06 08:17:18
End at: 2018-07-06 08:17:48
Local clock offset: 0.344 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.323 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.063 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 1.09%

Run 3: Report of SReAM — Data Link

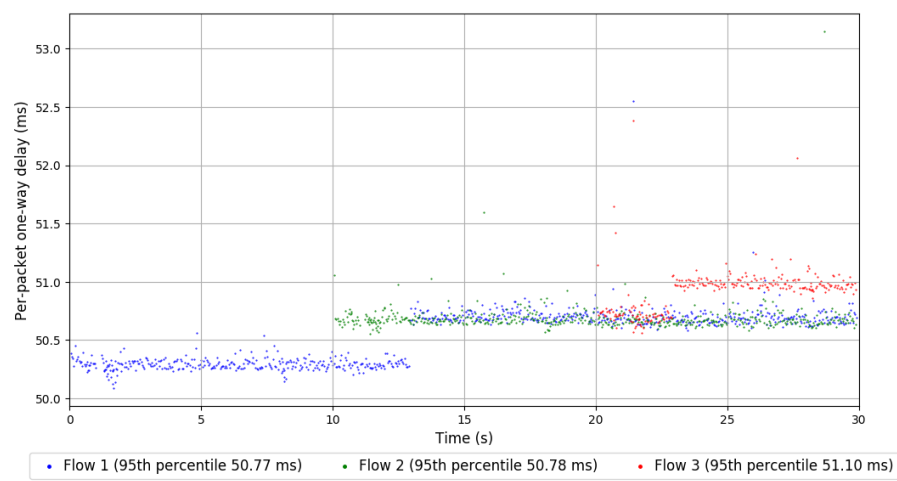
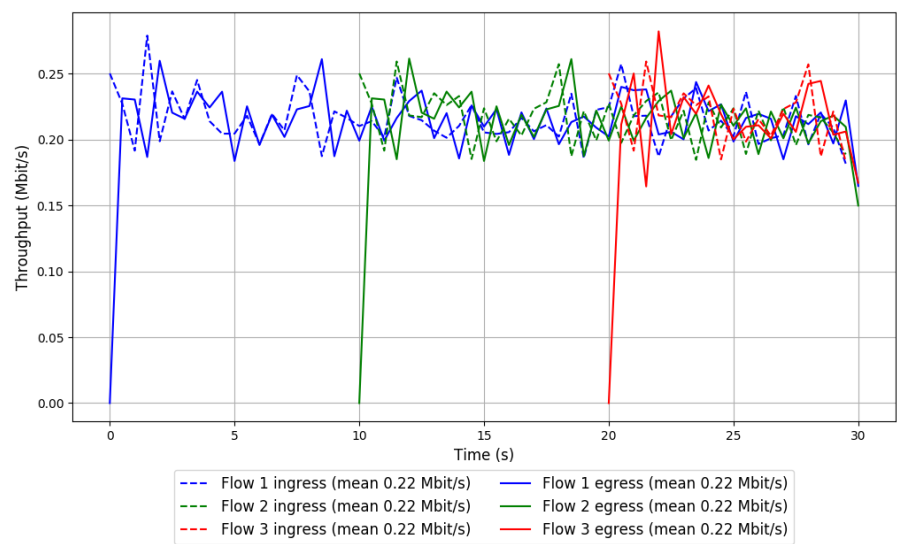


Run 4: Statistics of SReAM

Start at: 2018-07-06 08:41:21
End at: 2018-07-06 08:41:51
Local clock offset: 0.322 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.996 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.771 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.778 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.097 ms
Loss rate: 1.09%

Run 4: Report of SReAM — Data Link

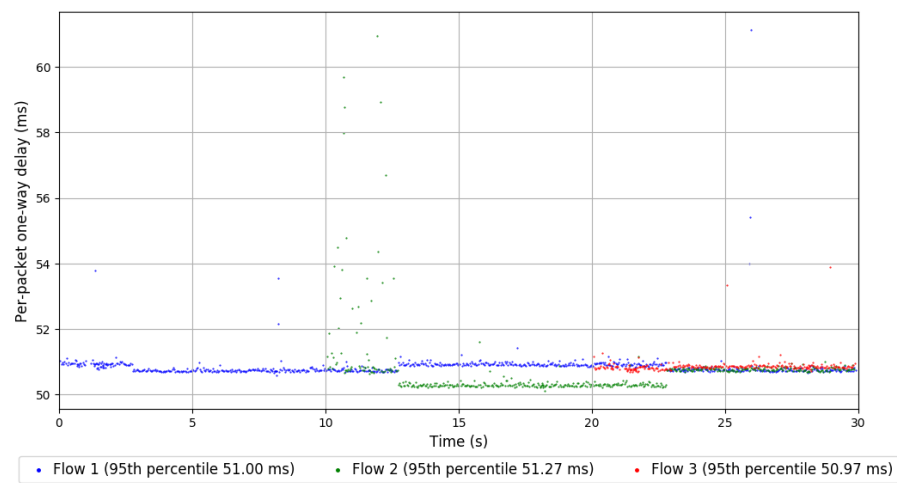
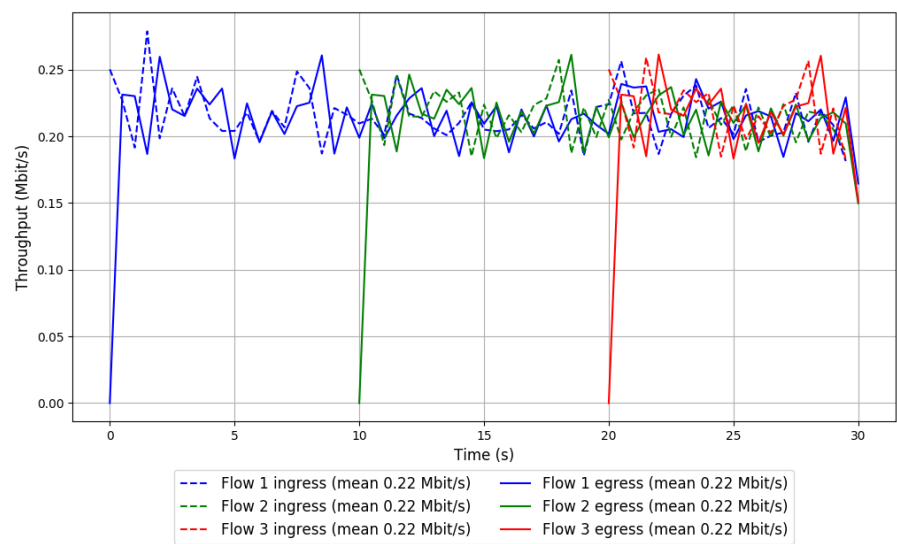


Run 5: Statistics of SReAM

Start at: 2018-07-06 09:04:51
End at: 2018-07-06 09:05:21
Local clock offset: -0.158 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.011 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.999 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.275 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 1.09%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-06 09:28:53

End at: 2018-07-06 09:29:23

Local clock offset: -0.069 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.963 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.885 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.975 ms

Loss rate: 0.62%

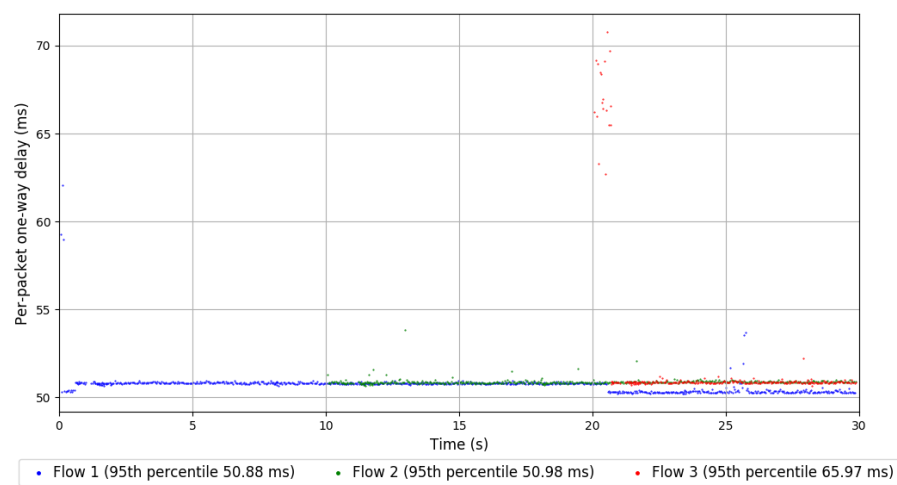
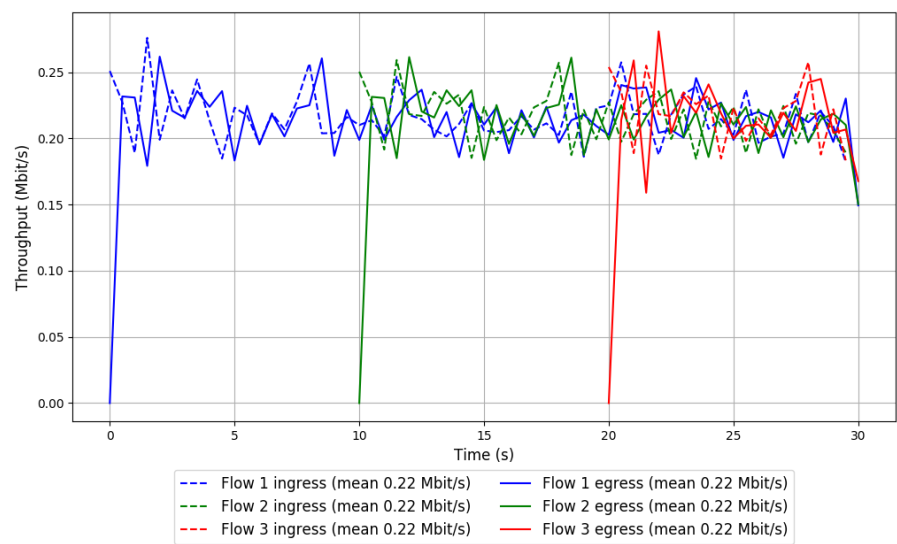
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.969 ms

Loss rate: 1.09%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-06 09:52:46

End at: 2018-07-06 09:53:16

Local clock offset: 0.261 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.723 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.669 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.758 ms

Loss rate: 0.61%

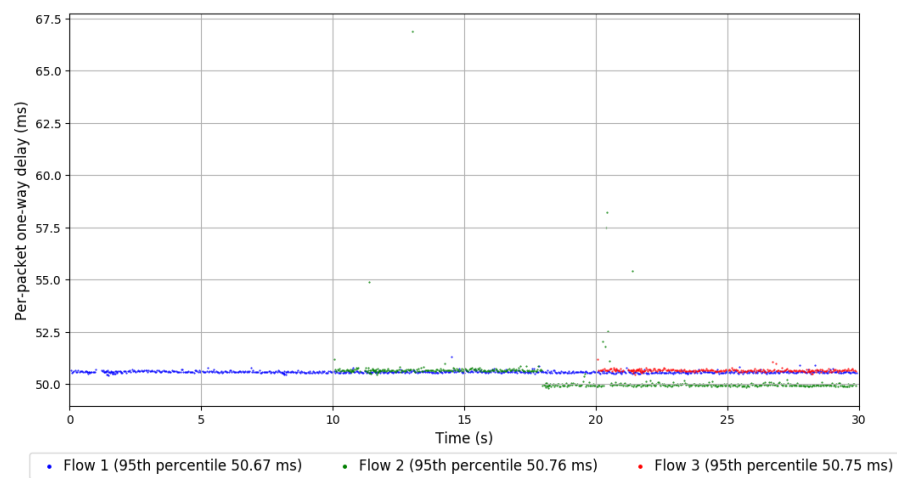
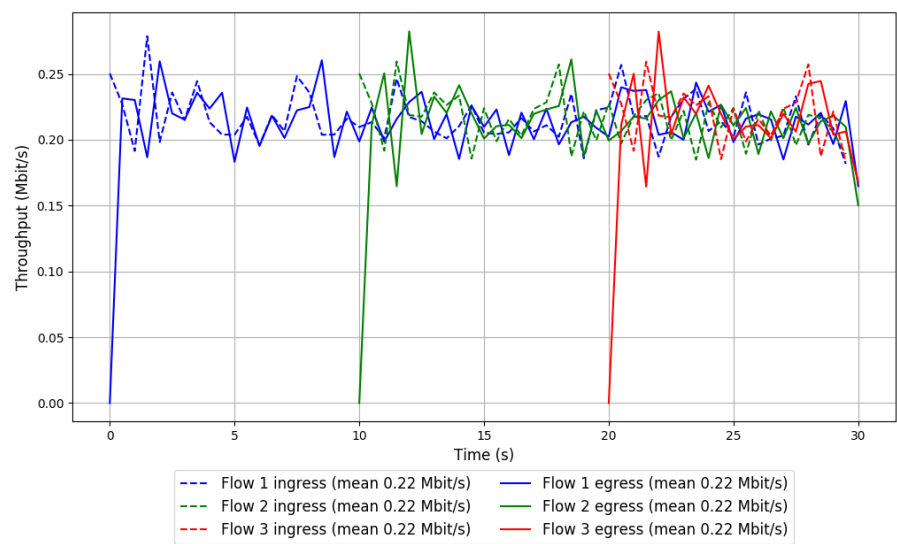
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.746 ms

Loss rate: 1.09%

Run 7: Report of SReAM — Data Link

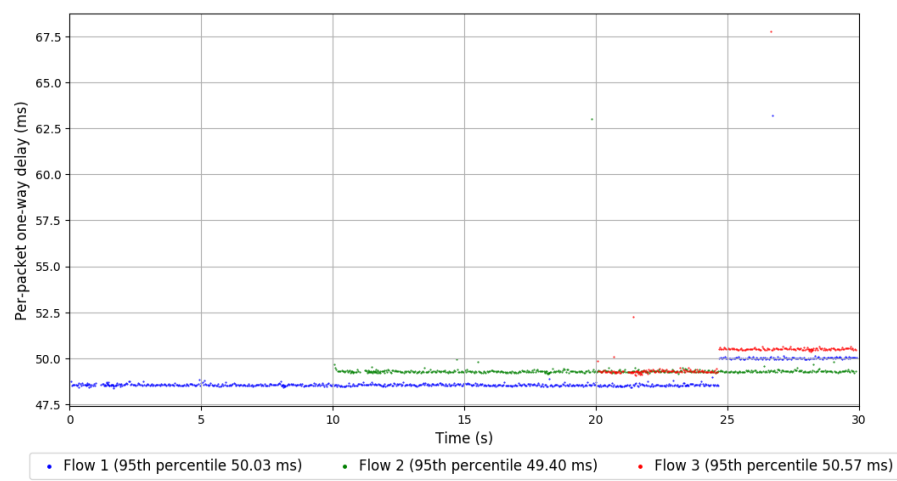
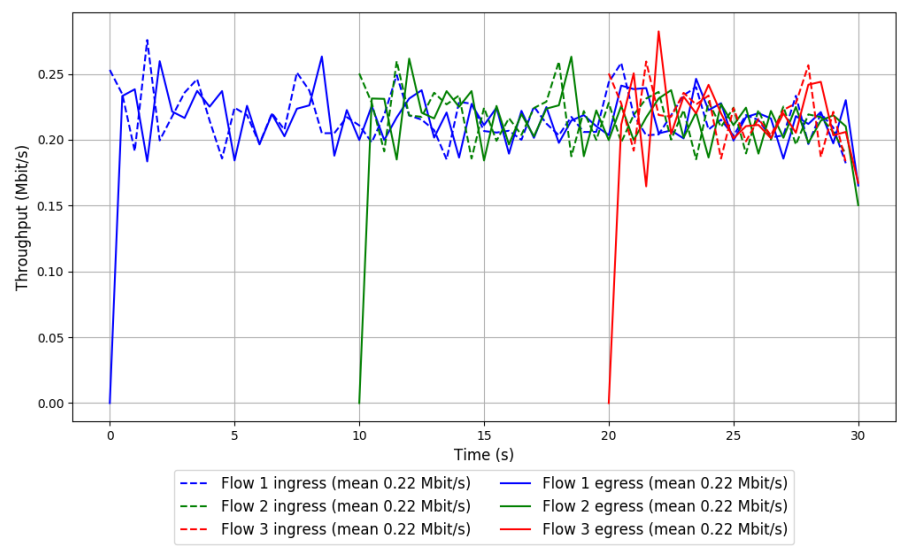


Run 8: Statistics of SReAM

Start at: 2018-07-06 10:16:39
End at: 2018-07-06 10:17:09
Local clock offset: -0.472 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.500 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.031 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.402 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 1.09%

Run 8: Report of SReAM — Data Link

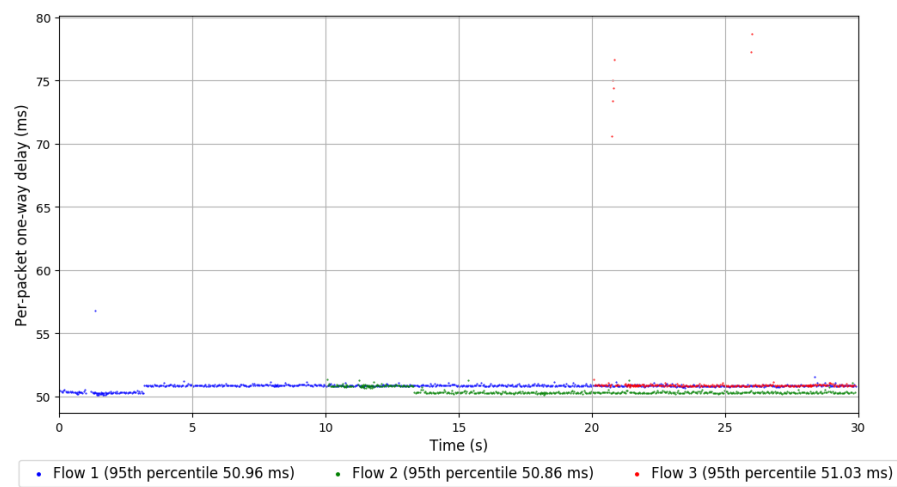
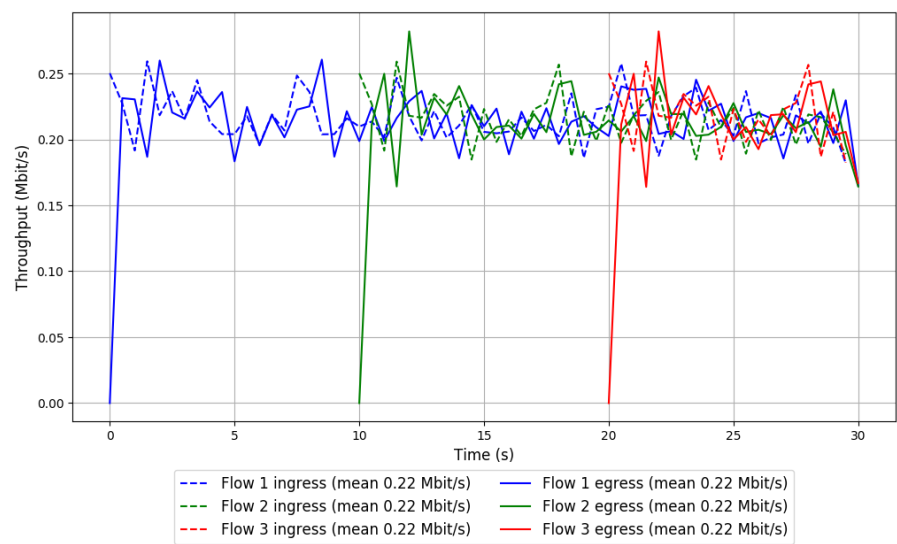


Run 9: Statistics of SReAM

Start at: 2018-07-06 10:40:21
End at: 2018-07-06 10:40:51
Local clock offset: -0.144 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.952 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.956 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 1.09%

Run 9: Report of SReAM — Data Link

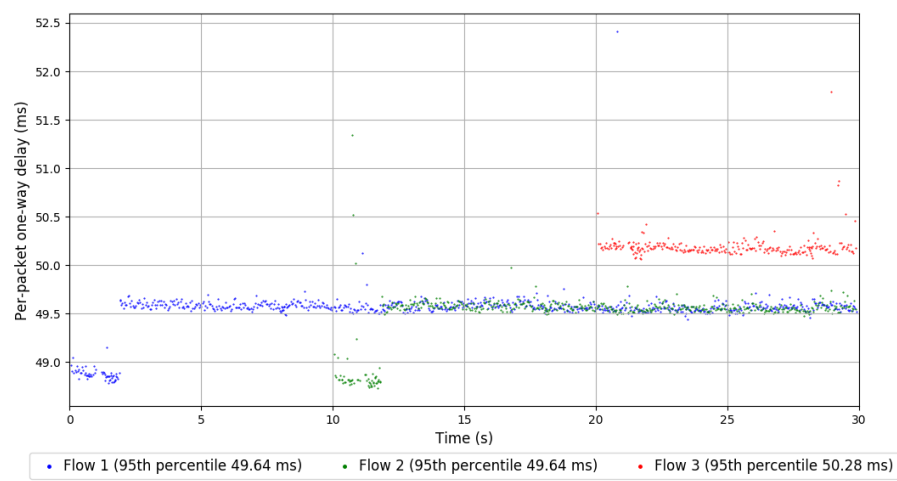
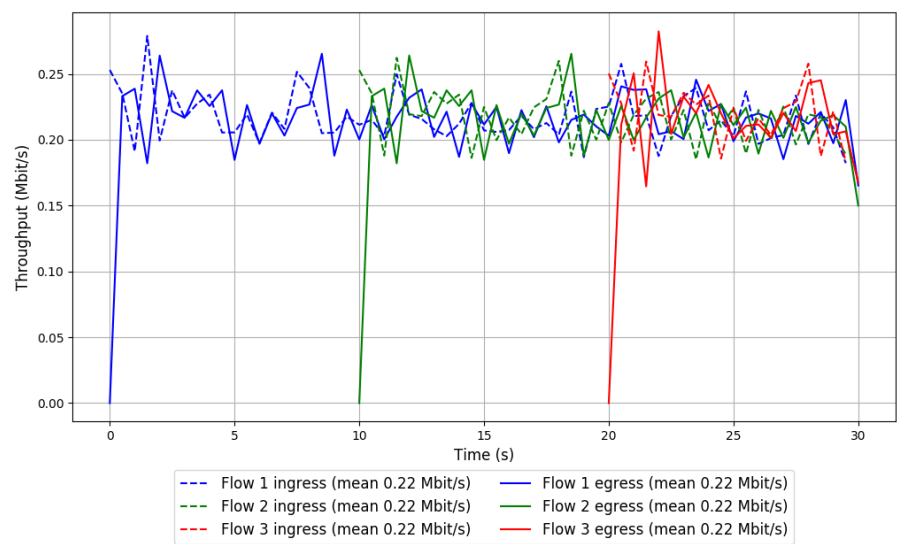


Run 10: Statistics of SReAM

Start at: 2018-07-06 11:04:12
End at: 2018-07-06 11:04:42
Local clock offset: -0.038 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 50.194 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.644 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.639 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 1.08%

Run 10: Report of SReAM — Data Link

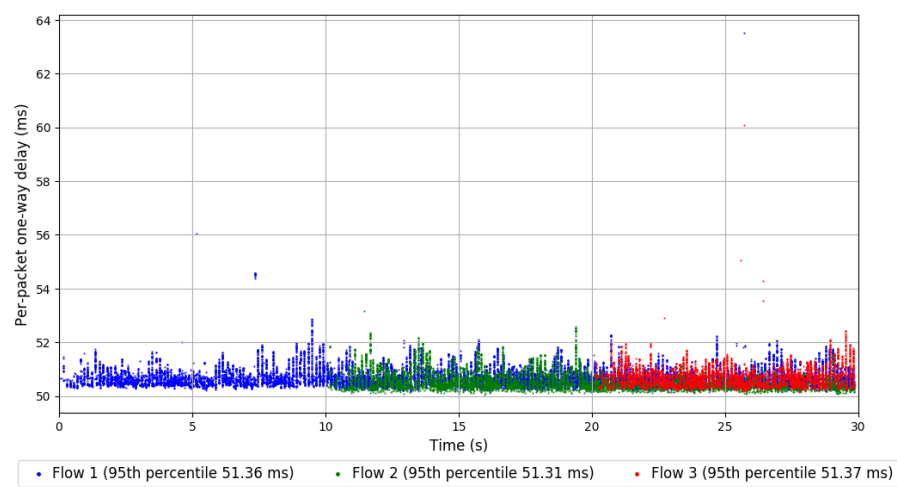
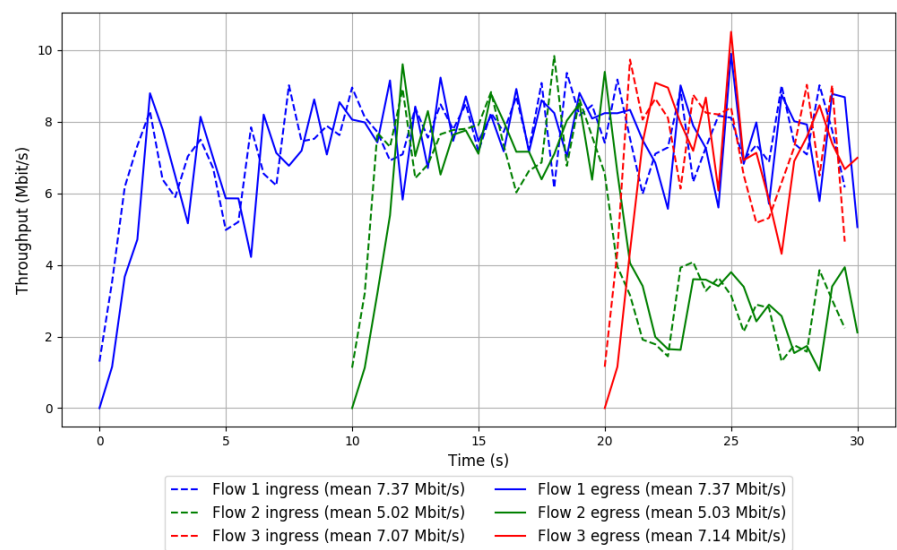


Run 1: Statistics of Sprout

Start at: 2018-07-06 07:15:34
End at: 2018-07-06 07:16:04
Local clock offset: -0.049 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 51.358 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 51.364 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 51.312 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-06 07:39:23

End at: 2018-07-06 07:39:53

Local clock offset: -0.064 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 50.947 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 50.942 ms

Loss rate: 0.57%

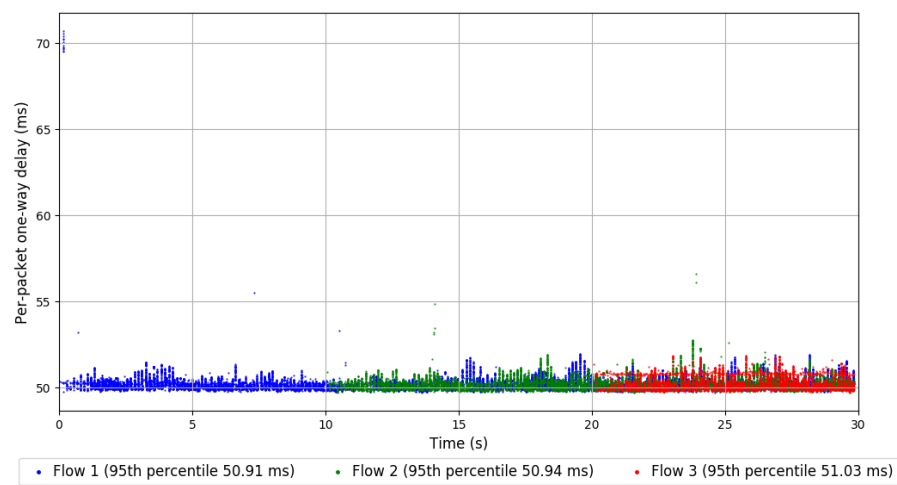
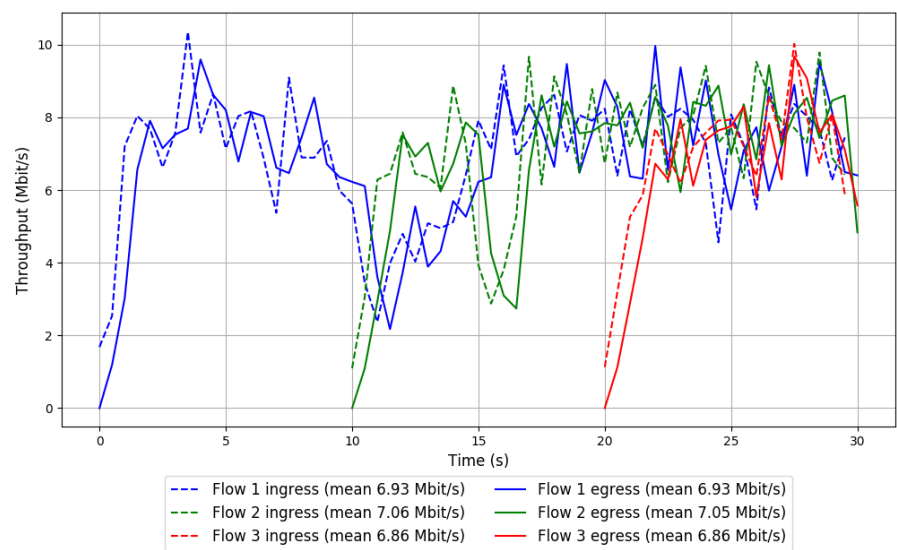
-- Flow 3:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 51.029 ms

Loss rate: 0.95%

Run 2: Report of Sprout — Data Link

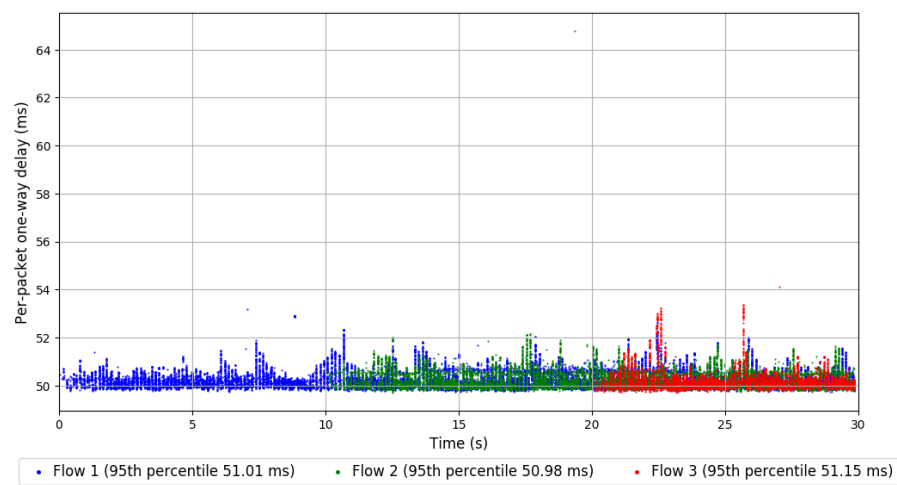
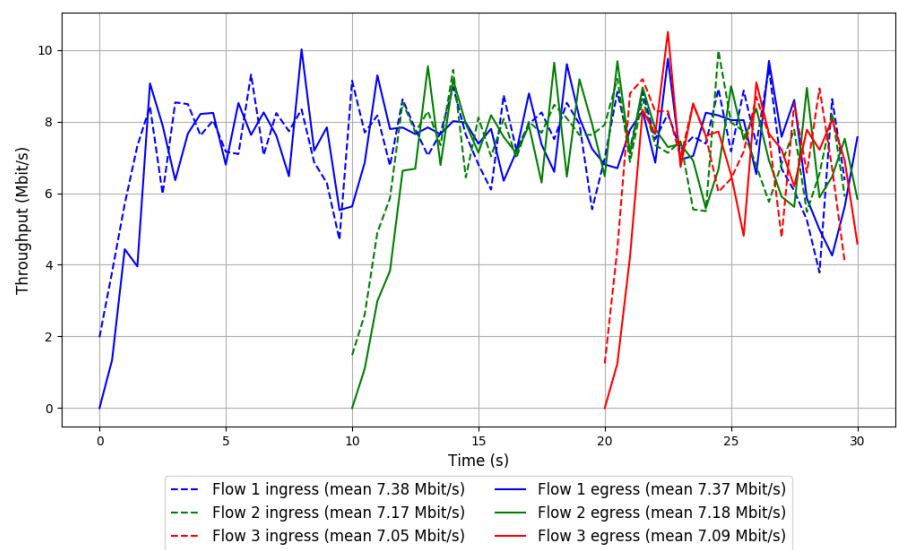


Run 3: Statistics of Sprout

Start at: 2018-07-06 08:03:20
End at: 2018-07-06 08:03:50
Local clock offset: -0.062 ms
Remote clock offset: 0.079 ms

```
# Below is generated by plot.py at 2018-07-06 13:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 51.016 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 51.006 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 50.985 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 51.152 ms
Loss rate: 0.17%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-06 08:27:24

End at: 2018-07-06 08:27:54

Local clock offset: 0.376 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-06 13:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.18 Mbit/s

95th percentile per-packet one-way delay: 51.364 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 51.441 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 51.247 ms

Loss rate: 0.62%

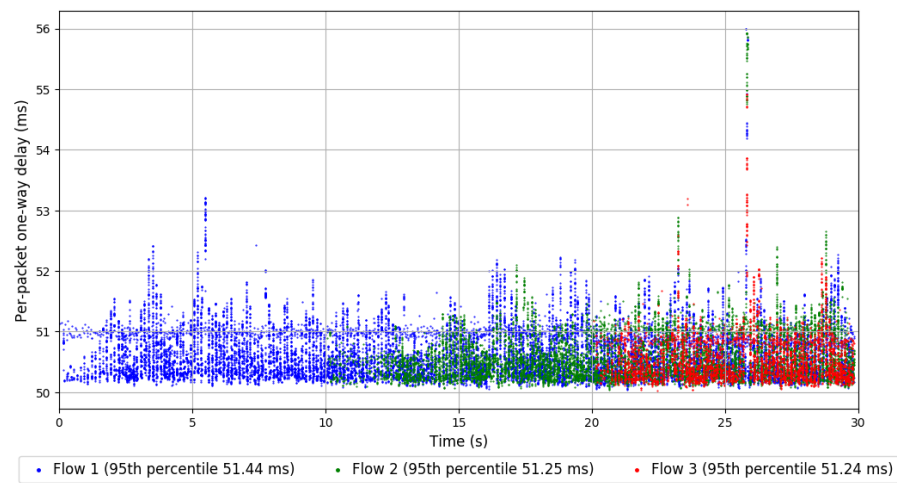
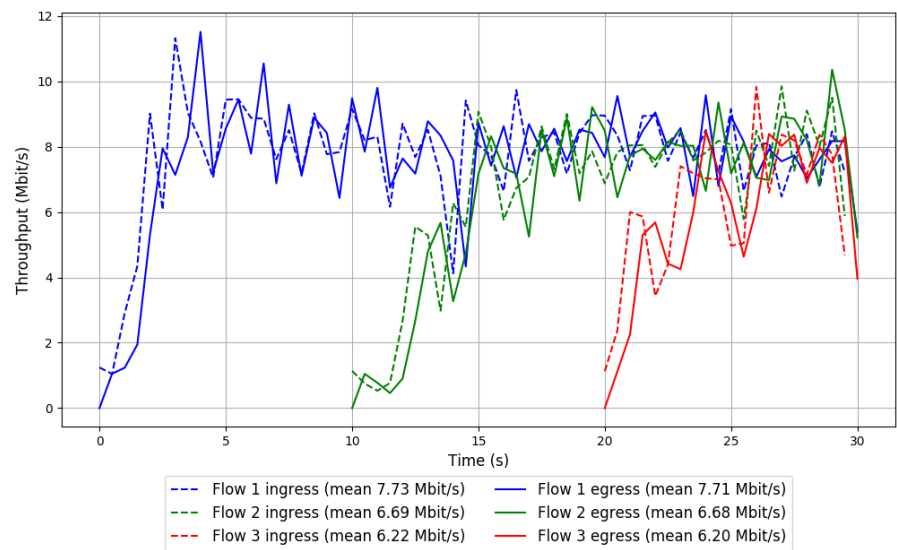
-- Flow 3:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 51.245 ms

Loss rate: 1.29%

Run 4: Report of Sprout — Data Link

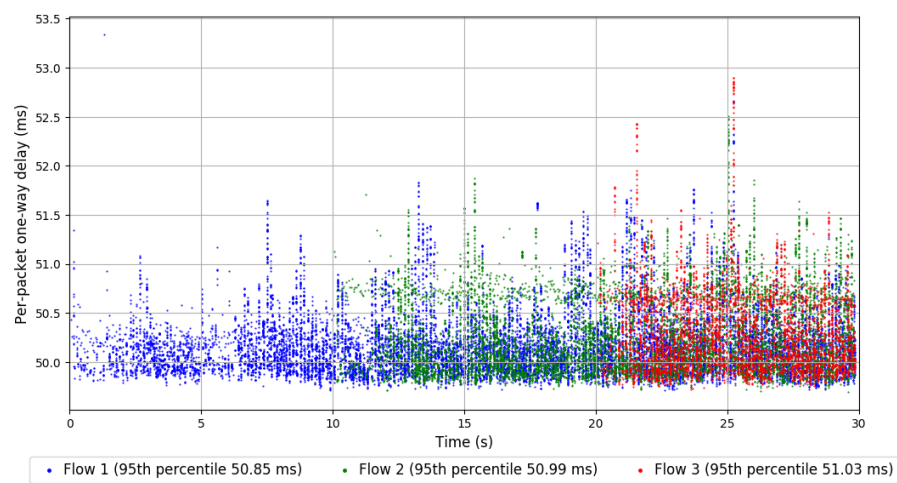
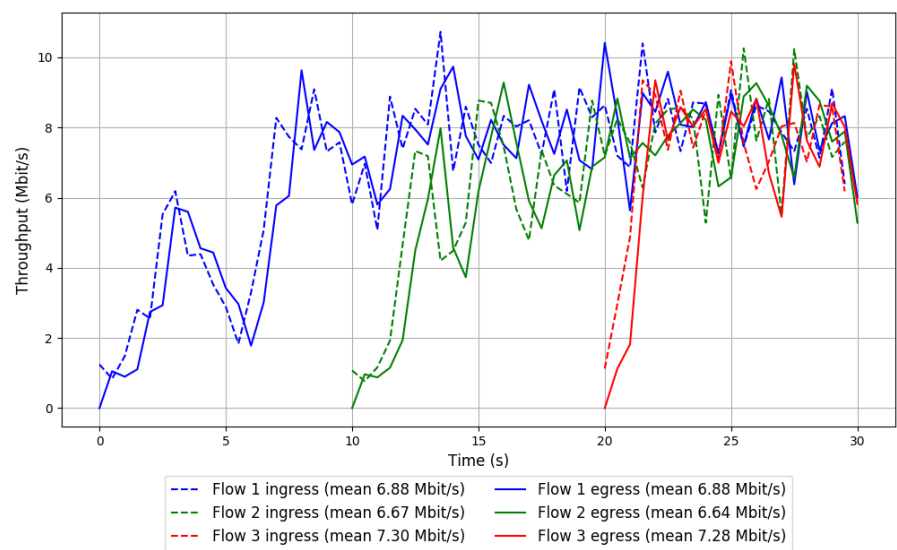


Run 5: Statistics of Sprout

Start at: 2018-07-06 08:51:21
End at: 2018-07-06 08:51:51
Local clock offset: -0.156 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 50.953 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 50.853 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 1.15%

Run 5: Report of Sprout — Data Link

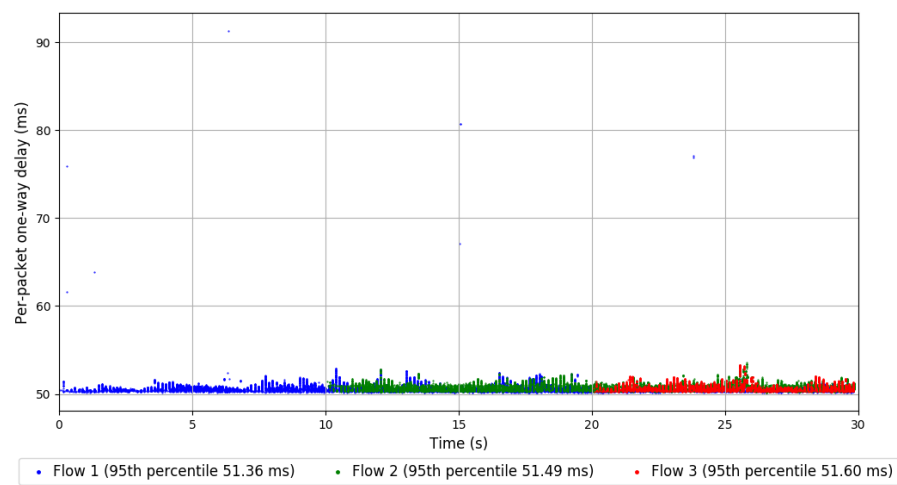
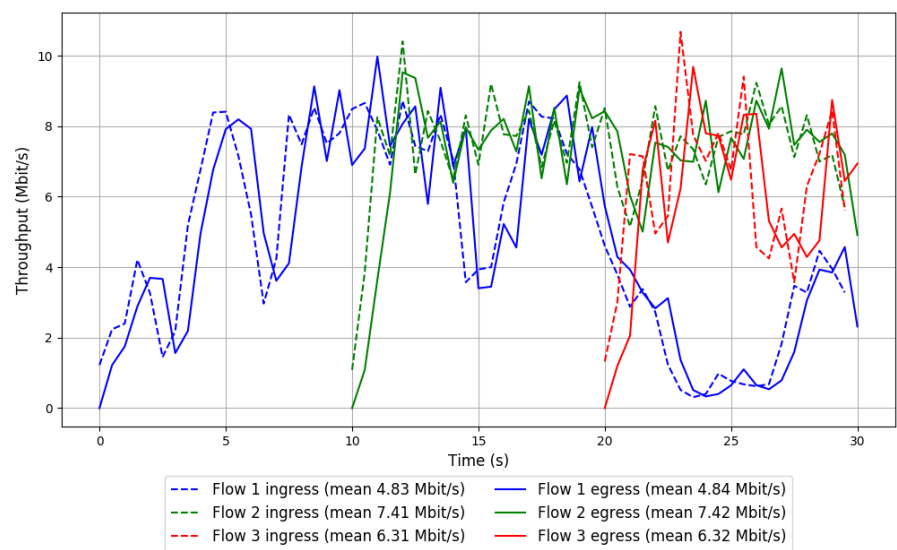


Run 6: Statistics of Sprout

Start at: 2018-07-06 09:14:59
End at: 2018-07-06 09:15:29
Local clock offset: -0.12 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 51.484 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 51.362 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 51.486 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 51.601 ms
Loss rate: 0.55%

Run 6: Report of Sprout — Data Link

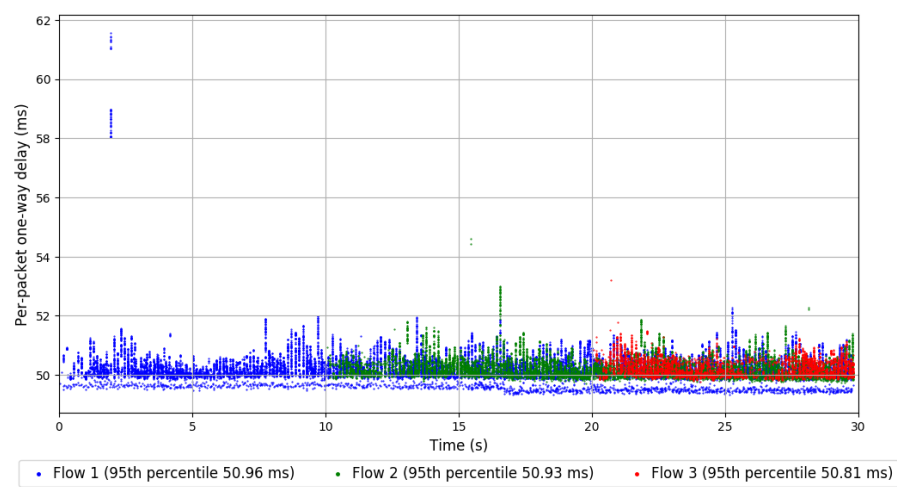
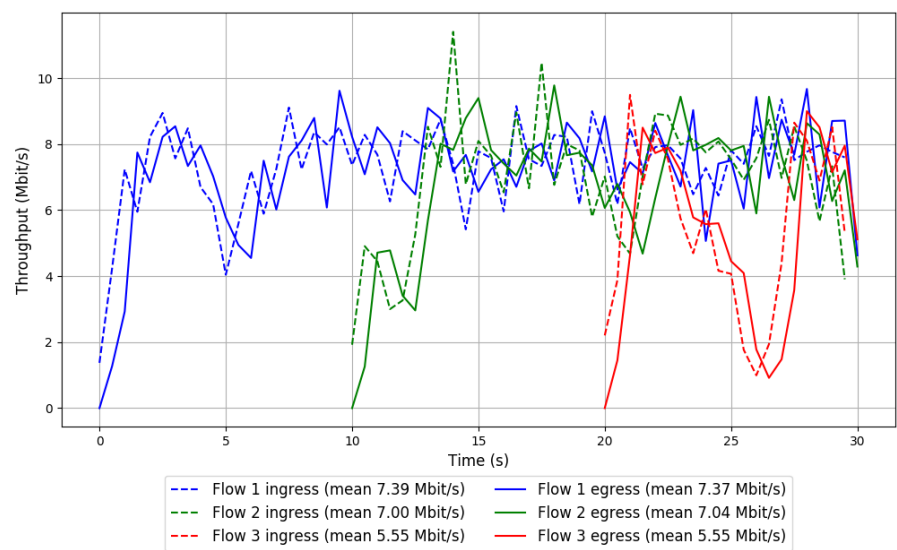


Run 7: Statistics of Sprout

Start at: 2018-07-06 09:38:57
End at: 2018-07-06 09:39:27
Local clock offset: -0.443 ms
Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 50.933 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 50.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 50.807 ms
Loss rate: 1.12%

Run 7: Report of Sprout — Data Link

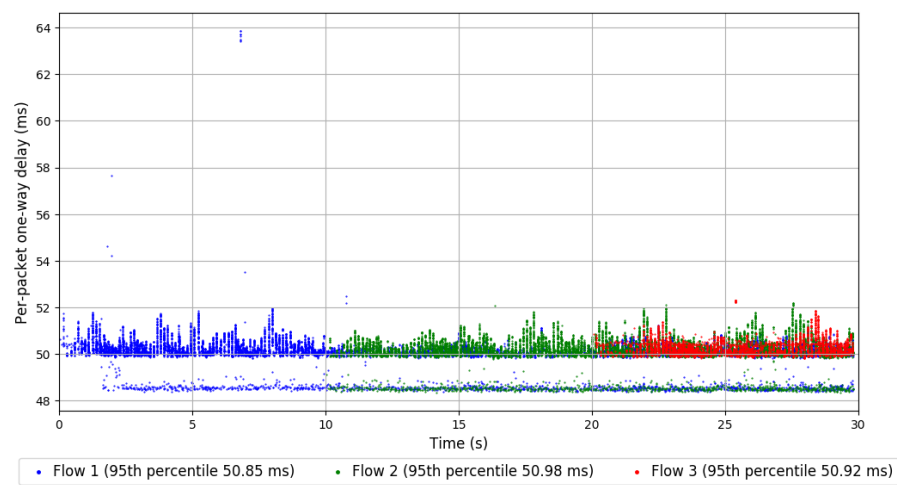
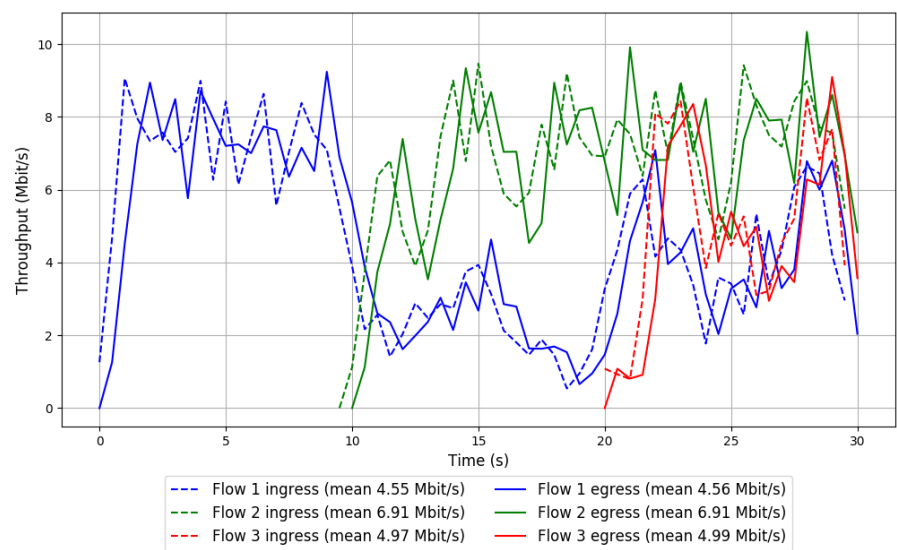


Run 8: Statistics of Sprout

Start at: 2018-07-06 10:02:52
End at: 2018-07-06 10:03:22
Local clock offset: -0.498 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 50.848 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 50.976 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 50.916 ms
Loss rate: 1.18%

Run 8: Report of Sprout — Data Link

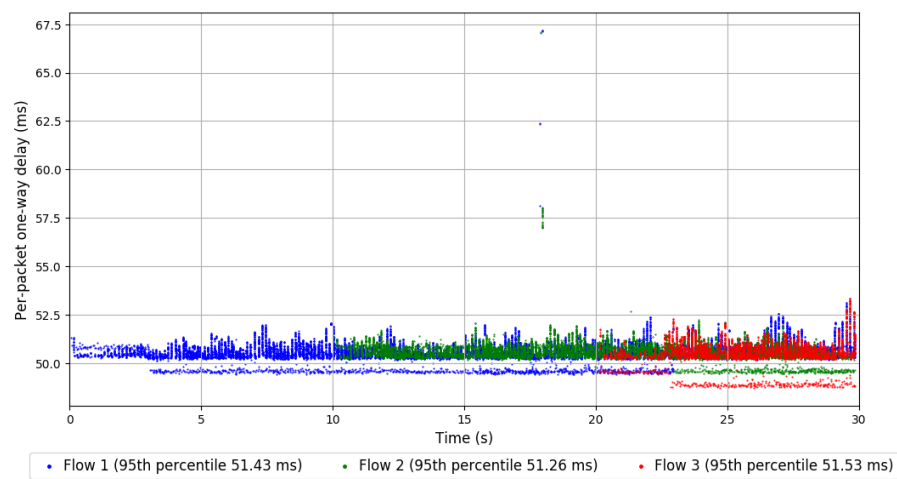
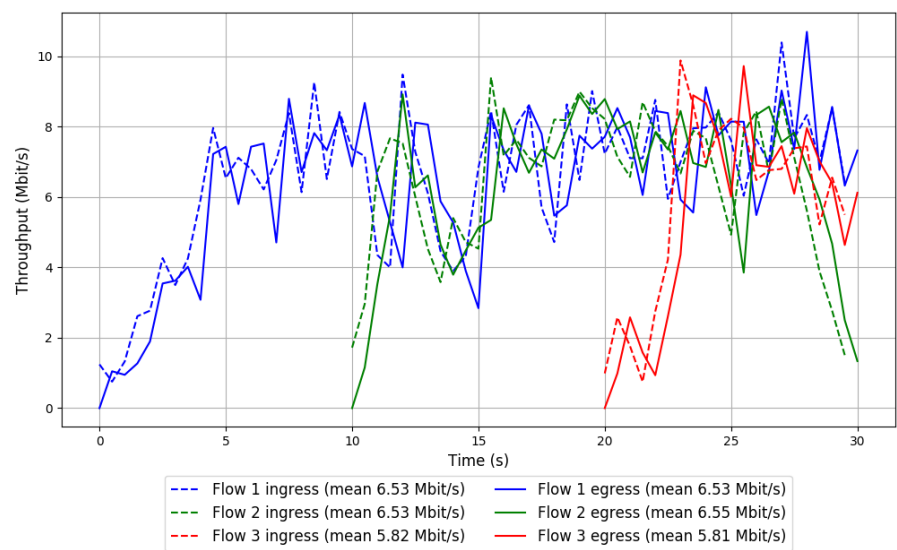


Run 9: Statistics of Sprout

Start at: 2018-07-06 10:26:41
End at: 2018-07-06 10:27:11
Local clock offset: -0.119 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-06 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 51.432 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 51.256 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 51.532 ms
Loss rate: 1.13%

Run 9: Report of Sprout — Data Link

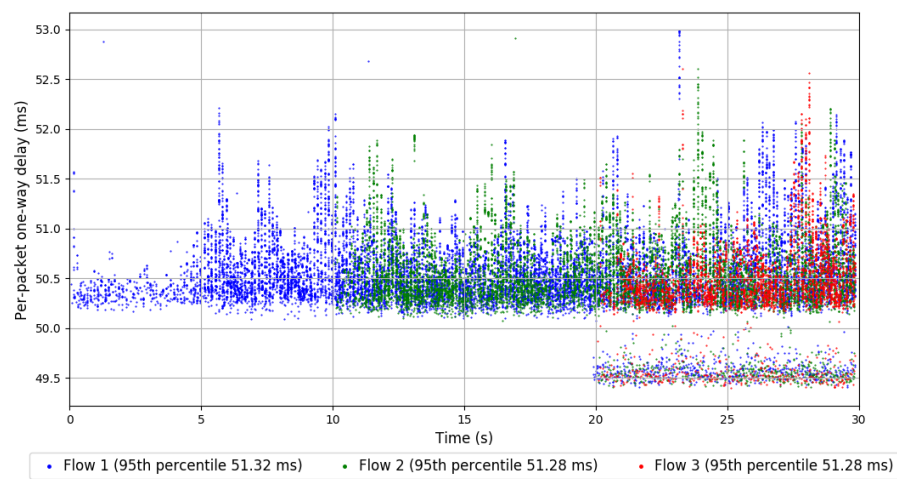
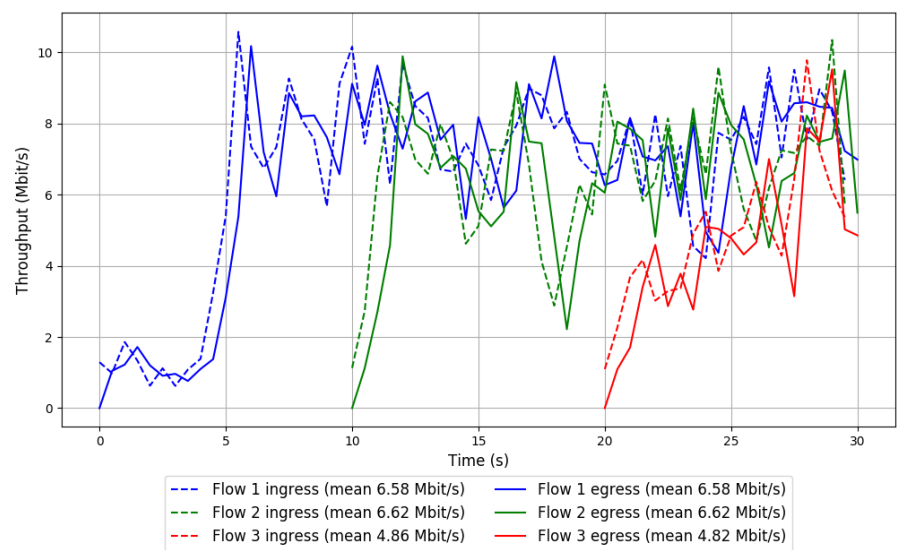


Run 10: Statistics of Sprout

Start at: 2018-07-06 10:50:24
End at: 2018-07-06 10:50:54
Local clock offset: -0.13 ms
Remote clock offset: -0.095 ms

```
# Below is generated by plot.py at 2018-07-06 13:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 51.305 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 51.285 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 1.67%
```

Run 10: Report of Sprout — Data Link

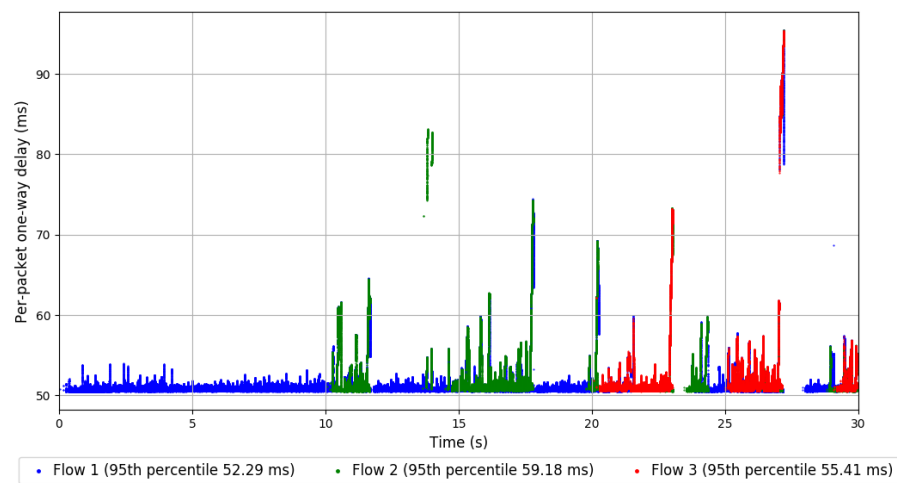
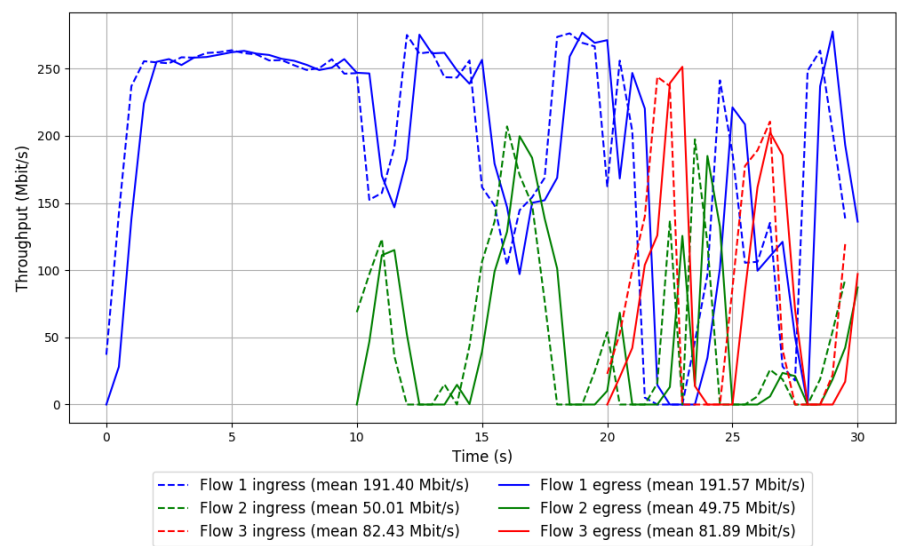


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-06 07:19:32
End at: 2018-07-06 07:20:02
Local clock offset: 0.295 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-06 13:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.69 Mbit/s
95th percentile per-packet one-way delay: 53.776 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 191.57 Mbit/s
95th percentile per-packet one-way delay: 52.293 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 59.179 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 55.413 ms
Loss rate: 1.67%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-06 07:43:22

End at: 2018-07-06 07:43:52

Local clock offset: -0.055 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-06 13:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.72 Mbit/s

95th percentile per-packet one-way delay: 51.732 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 115.58 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 183.24 Mbit/s

95th percentile per-packet one-way delay: 51.193 ms

Loss rate: 0.00%

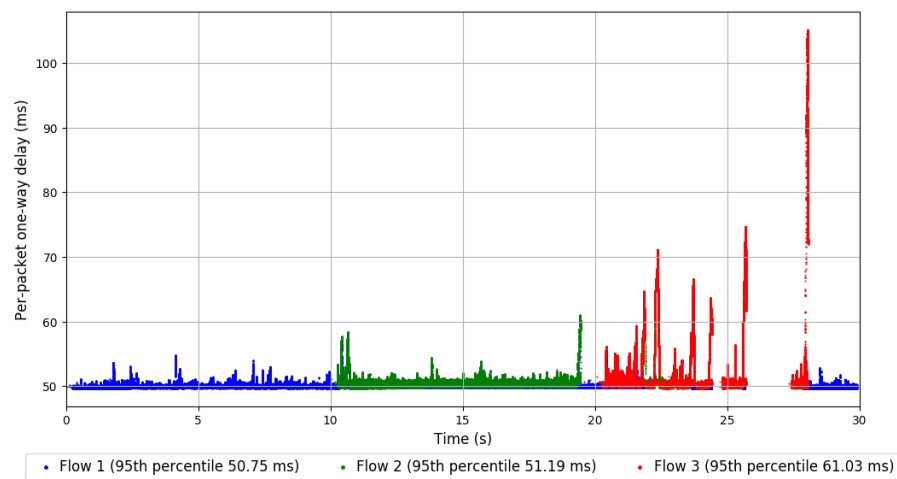
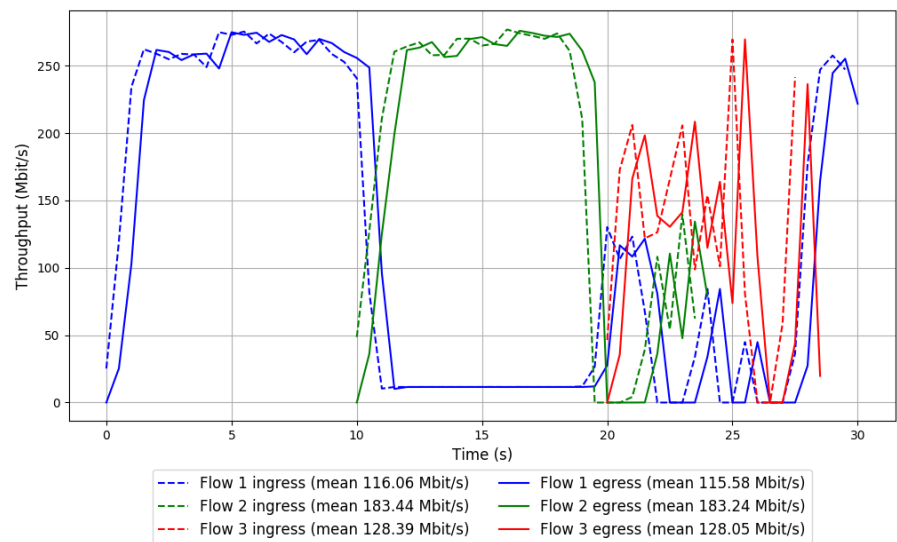
-- Flow 3:

Average throughput: 128.05 Mbit/s

95th percentile per-packet one-way delay: 61.026 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-06 08:07:16

End at: 2018-07-06 08:07:46

Local clock offset: -0.051 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-06 13:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.73 Mbit/s

95th percentile per-packet one-way delay: 53.405 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 114.47 Mbit/s

95th percentile per-packet one-way delay: 51.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 113.81 Mbit/s

95th percentile per-packet one-way delay: 52.987 ms

Loss rate: 0.00%

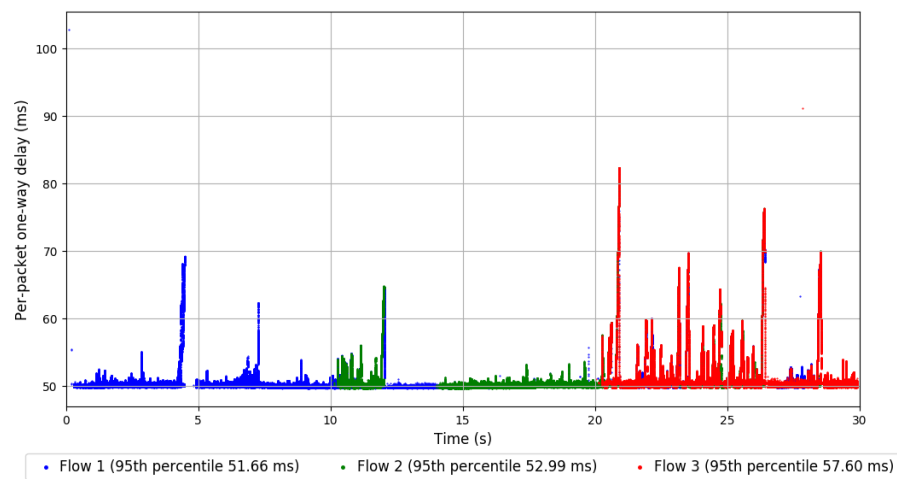
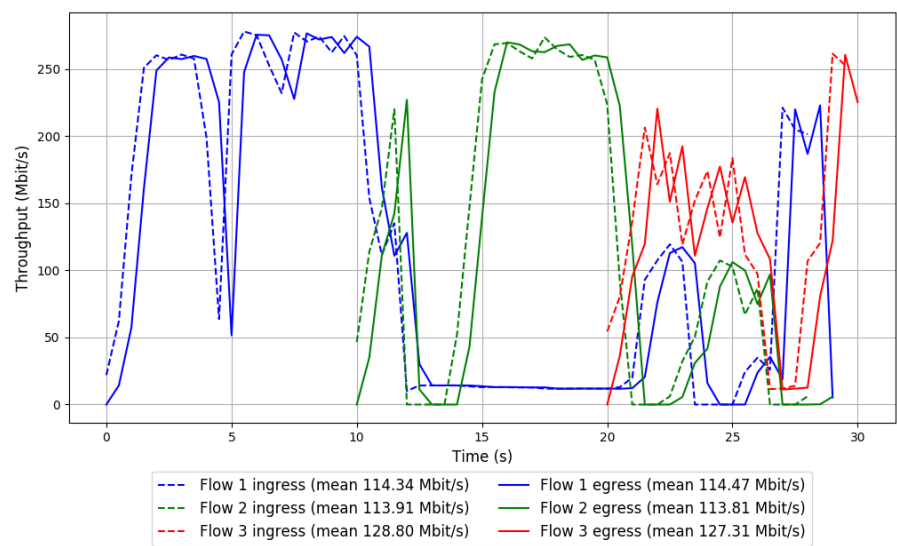
-- Flow 3:

Average throughput: 127.31 Mbit/s

95th percentile per-packet one-way delay: 57.598 ms

Loss rate: 2.16%

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

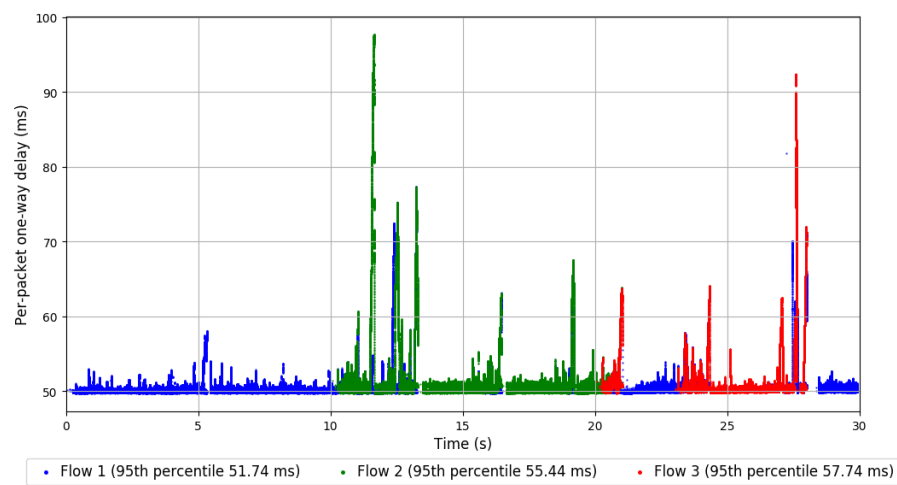
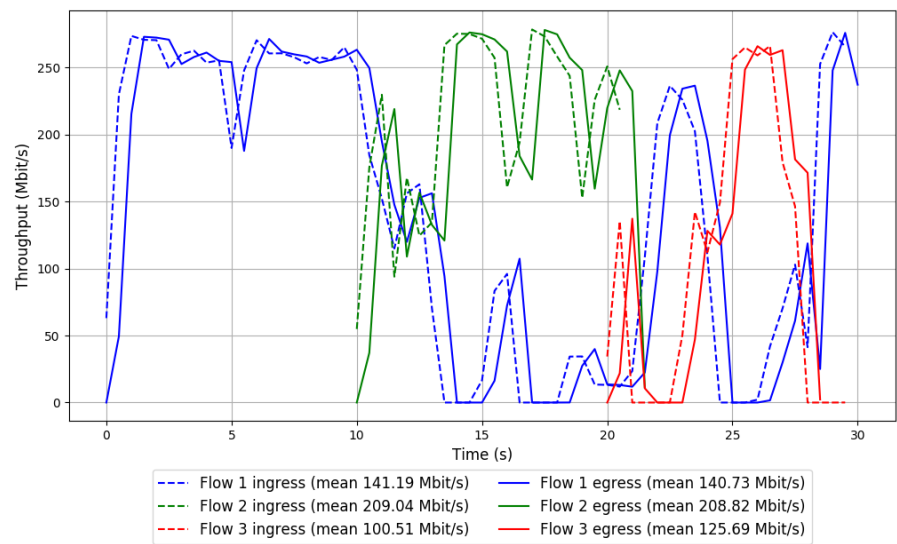


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-06 08:31:23
End at: 2018-07-06 08:31:53
Local clock offset: -0.005 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-06 13:17:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.78 Mbit/s
95th percentile per-packet one-way delay: 52.992 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 140.73 Mbit/s
95th percentile per-packet one-way delay: 51.743 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 208.82 Mbit/s
95th percentile per-packet one-way delay: 55.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.69 Mbit/s
95th percentile per-packet one-way delay: 57.743 ms
Loss rate: 0.00%

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

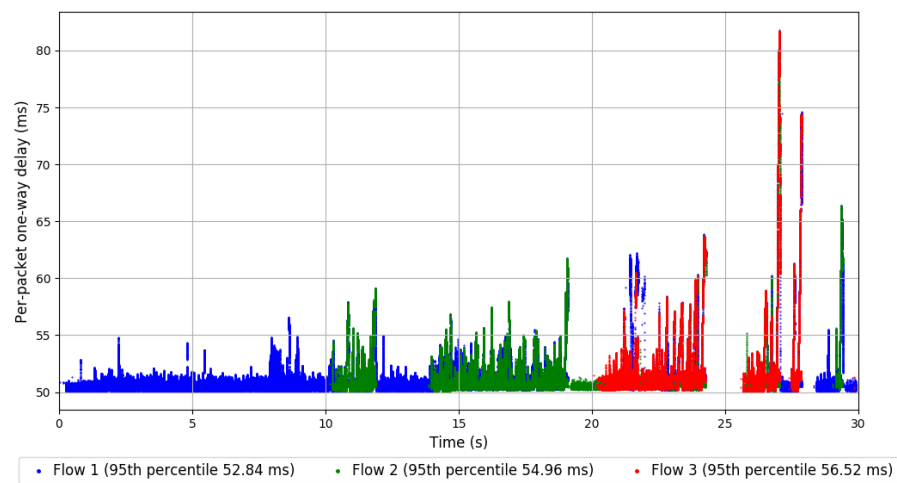
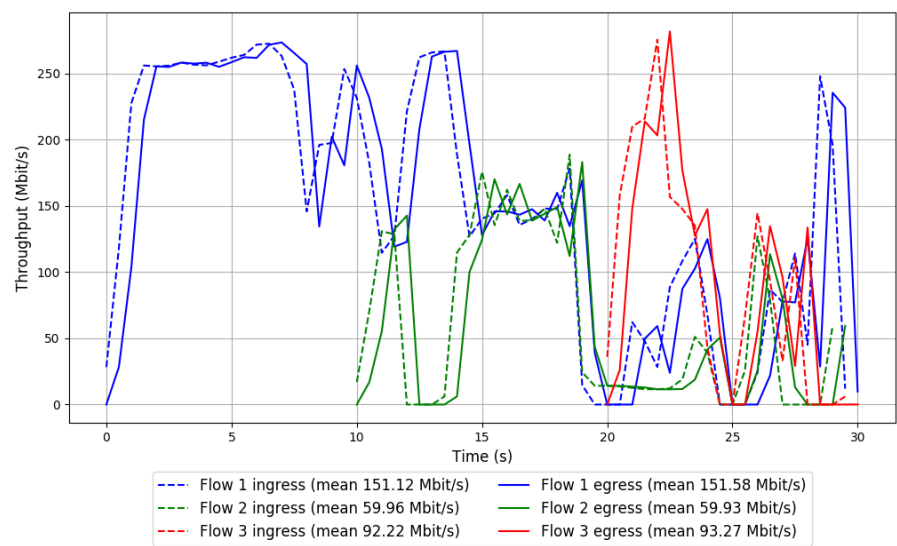


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-06 08:55:19
End at: 2018-07-06 08:55:49
Local clock offset: 0.236 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-07-06 13:17:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.98 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 151.58 Mbit/s
95th percentile per-packet one-way delay: 52.838 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 54.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 56.520 ms
Loss rate: 0.33%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-06 09:18:55

End at: 2018-07-06 09:19:25

Local clock offset: 0.261 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-06 13:17:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.45 Mbit/s

95th percentile per-packet one-way delay: 53.883 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 158.65 Mbit/s

95th percentile per-packet one-way delay: 53.417 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 128.16 Mbit/s

95th percentile per-packet one-way delay: 54.353 ms

Loss rate: 0.90%

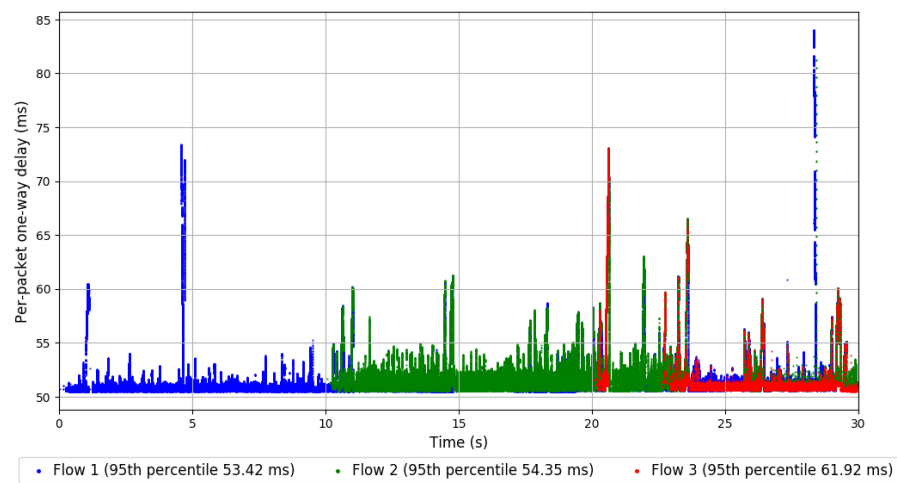
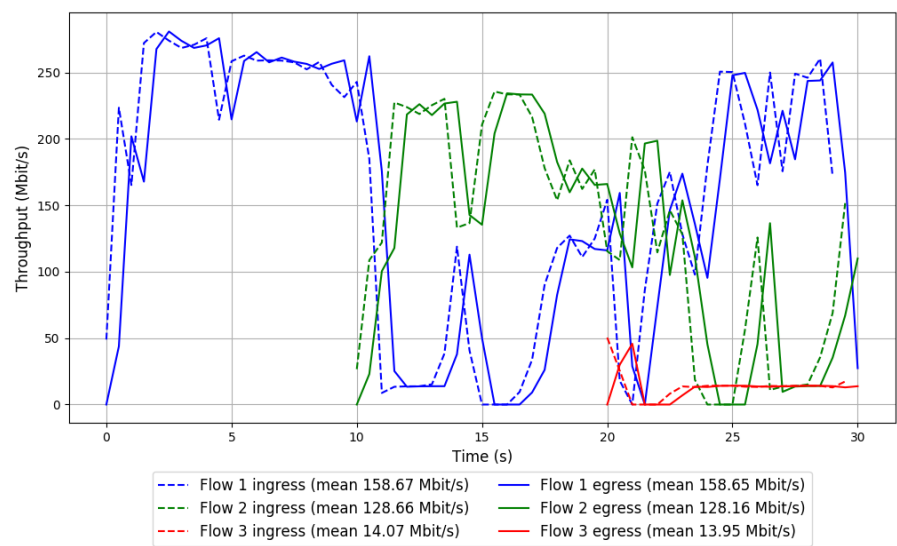
-- Flow 3:

Average throughput: 13.95 Mbit/s

95th percentile per-packet one-way delay: 61.925 ms

Loss rate: 1.83%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-06 09:42:53

End at: 2018-07-06 09:43:23

Local clock offset: 0.288 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-06 13:17:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.51 Mbit/s

95th percentile per-packet one-way delay: 62.823 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 53.711 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 199.85 Mbit/s

95th percentile per-packet one-way delay: 64.475 ms

Loss rate: 0.59%

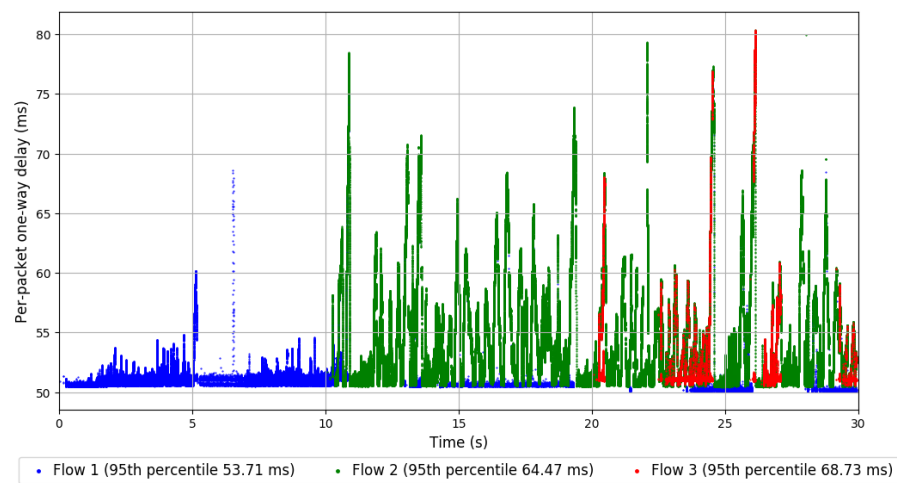
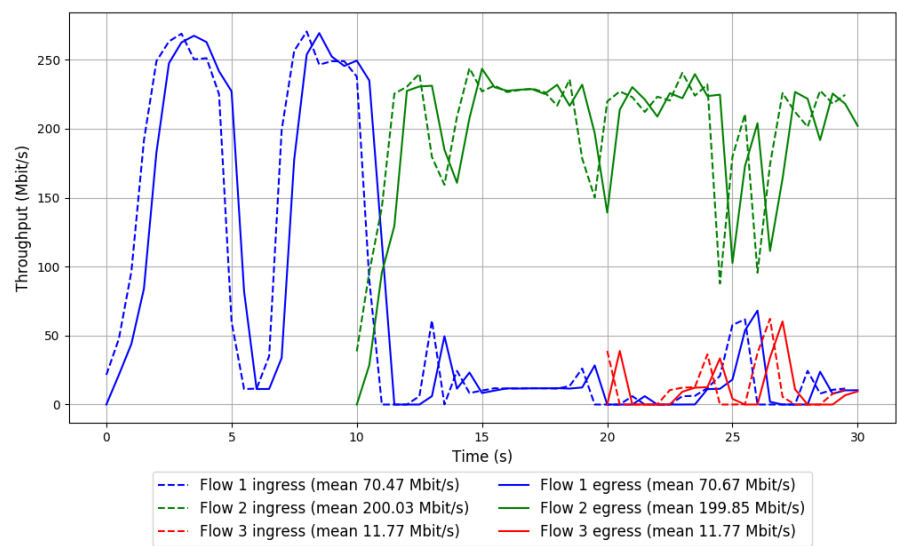
-- Flow 3:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 68.734 ms

Loss rate: 1.05%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-06 10:06:47

End at: 2018-07-06 10:07:17

Local clock offset: 0.247 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-06 13:17:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.81 Mbit/s

95th percentile per-packet one-way delay: 55.352 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 155.05 Mbit/s

95th percentile per-packet one-way delay: 54.289 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 56.191 ms

Loss rate: 0.32%

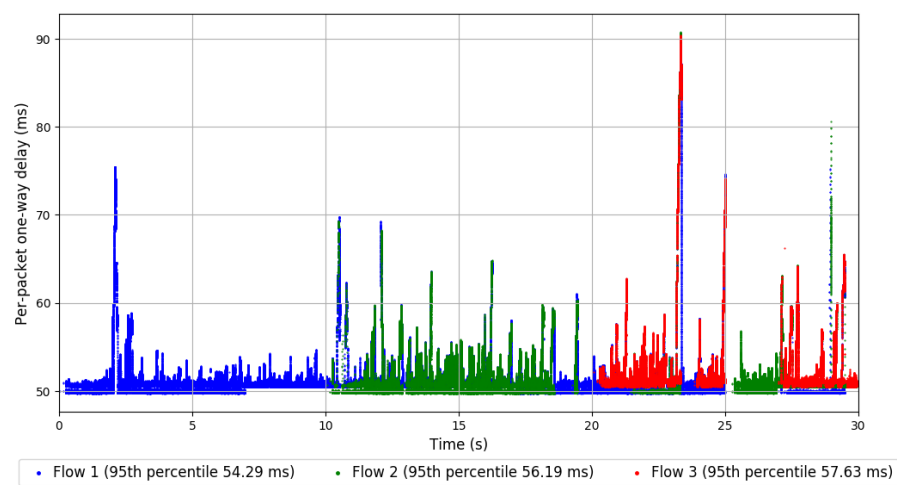
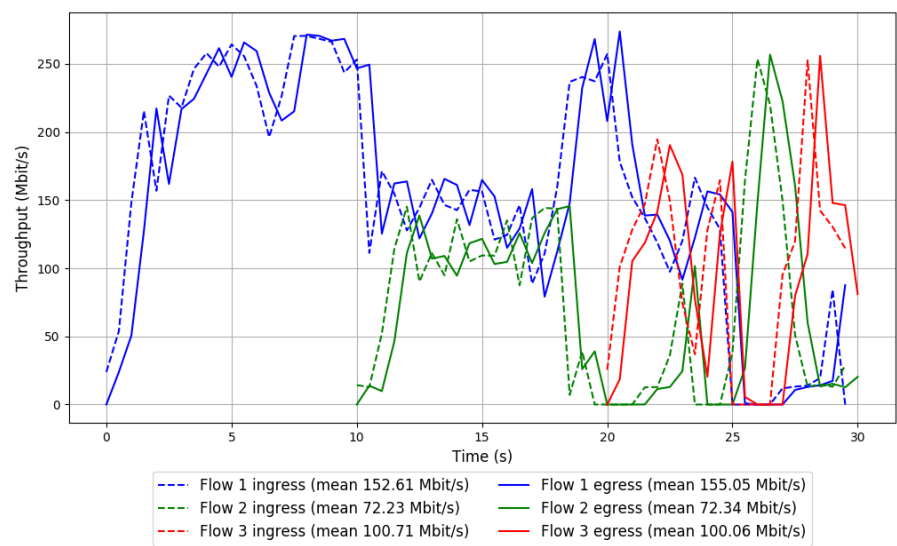
-- Flow 3:

Average throughput: 100.06 Mbit/s

95th percentile per-packet one-way delay: 57.630 ms

Loss rate: 1.67%

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

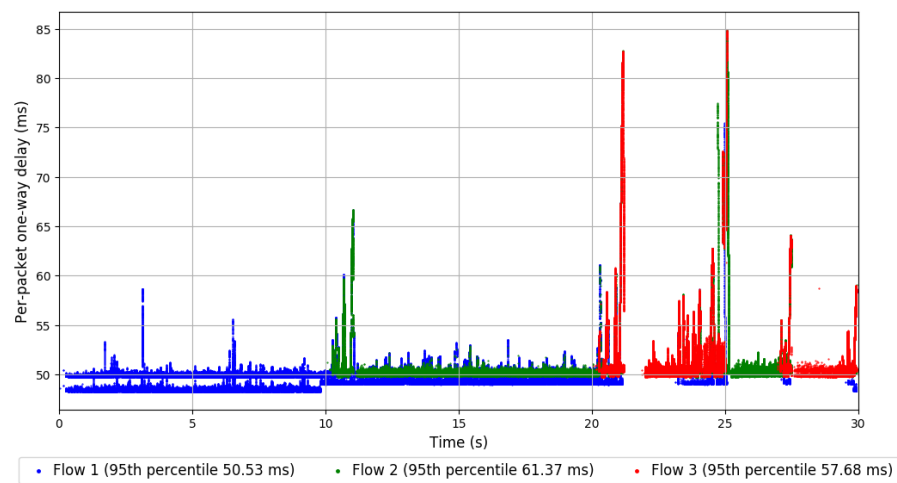
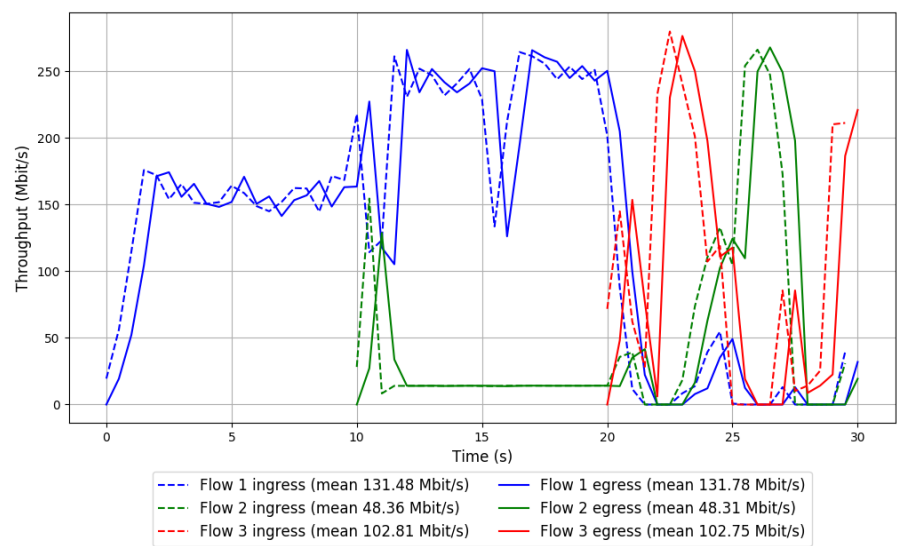


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-06 10:30:34
End at: 2018-07-06 10:31:04
Local clock offset: -0.503 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-06 13:22:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 52.523 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 131.78 Mbit/s
95th percentile per-packet one-way delay: 50.526 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 61.368 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 102.75 Mbit/s
95th percentile per-packet one-way delay: 57.683 ms
Loss rate: 0.89%

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

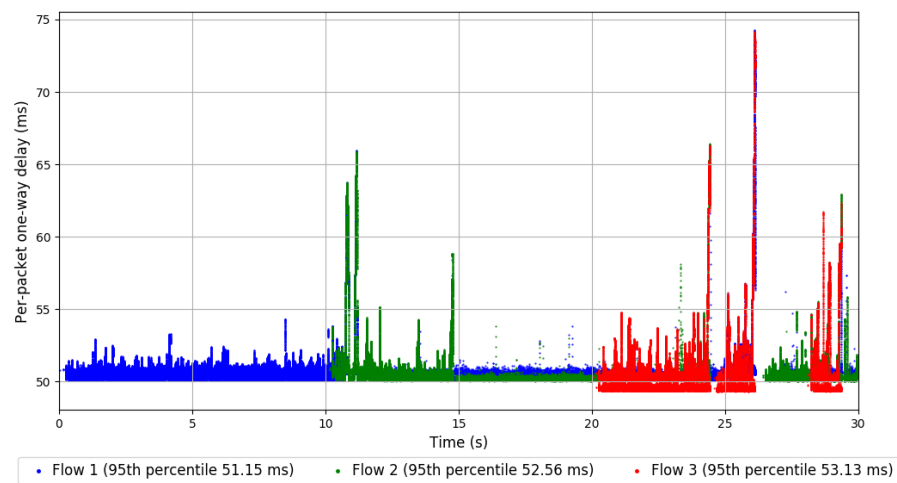
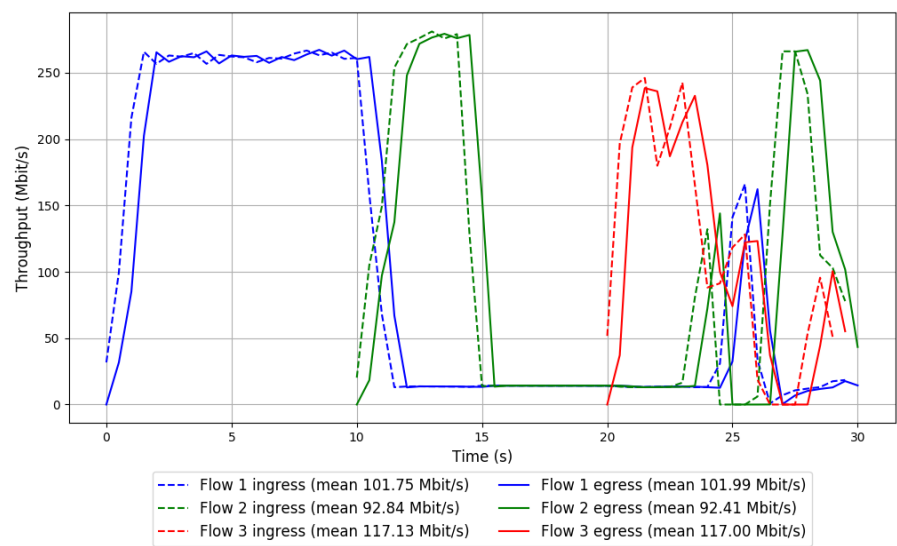


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-06 10:54:22
End at: 2018-07-06 10:54:52
Local clock offset: -0.133 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-07-06 13:22:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.84 Mbit/s
95th percentile per-packet one-way delay: 51.782 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 101.99 Mbit/s
95th percentile per-packet one-way delay: 51.149 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 52.564 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 117.00 Mbit/s
95th percentile per-packet one-way delay: 53.129 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-06 07:33:42

End at: 2018-07-06 07:34:12

Local clock offset: -0.077 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-06 13:22:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.77 Mbit/s

95th percentile per-packet one-way delay: 81.715 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 167.40 Mbit/s

95th percentile per-packet one-way delay: 76.148 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 98.56 Mbit/s

95th percentile per-packet one-way delay: 91.215 ms

Loss rate: 0.31%

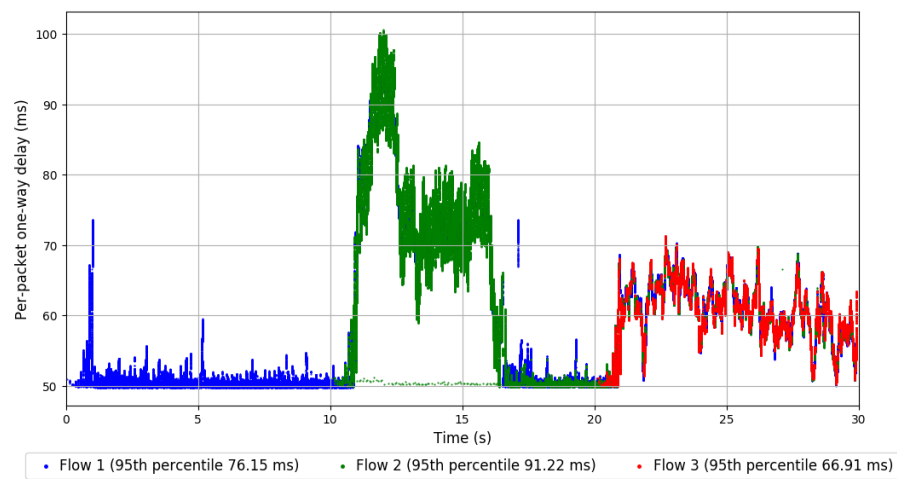
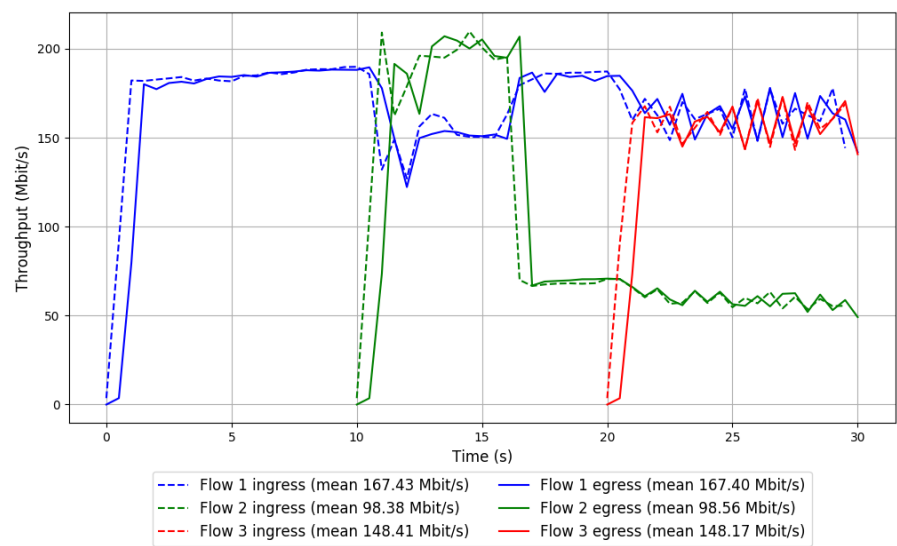
-- Flow 3:

Average throughput: 148.17 Mbit/s

95th percentile per-packet one-way delay: 66.910 ms

Loss rate: 1.17%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-06 07:57:48

End at: 2018-07-06 07:58:18

Local clock offset: -0.071 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-06 13:22:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.31 Mbit/s

95th percentile per-packet one-way delay: 72.332 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 71.270 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 141.46 Mbit/s

95th percentile per-packet one-way delay: 72.376 ms

Loss rate: 0.54%

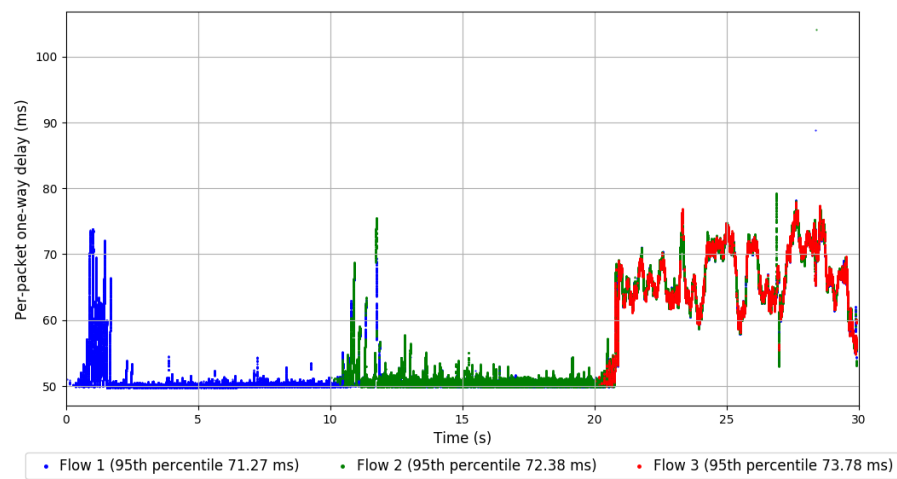
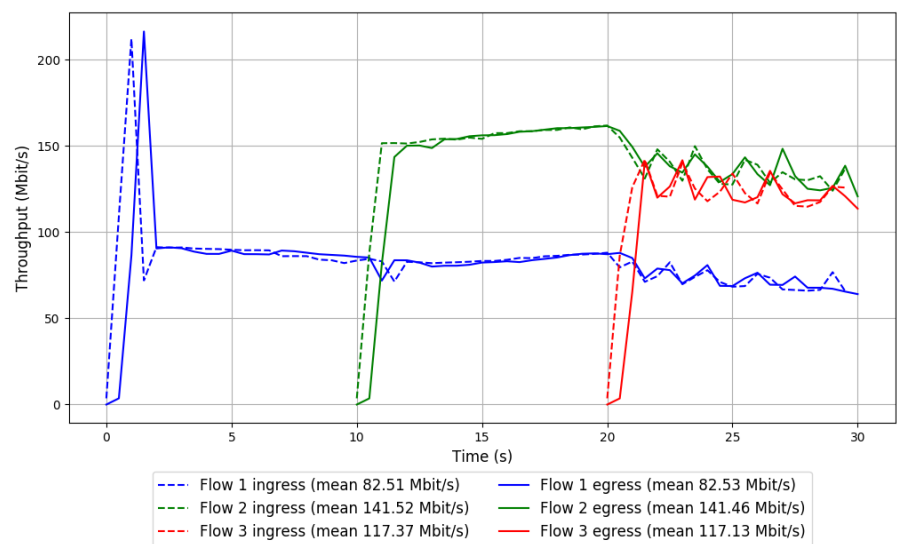
-- Flow 3:

Average throughput: 117.13 Mbit/s

95th percentile per-packet one-way delay: 73.775 ms

Loss rate: 1.21%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-06 08:21:48

End at: 2018-07-06 08:22:18

Local clock offset: -0.035 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-06 13:22:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.86 Mbit/s

95th percentile per-packet one-way delay: 61.994 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 62.062 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 58.914 ms

Loss rate: 0.61%

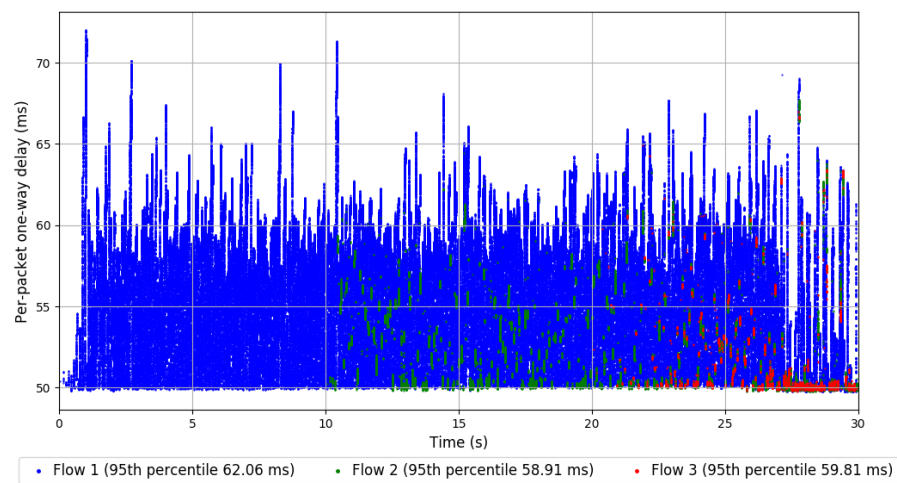
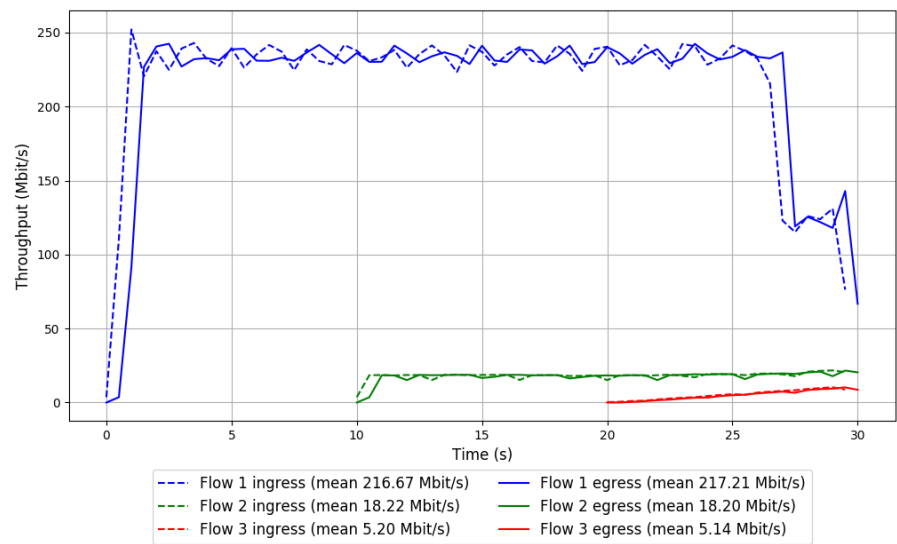
-- Flow 3:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 59.807 ms

Loss rate: 2.34%

Run 3: Report of TCP Vegas — Data Link

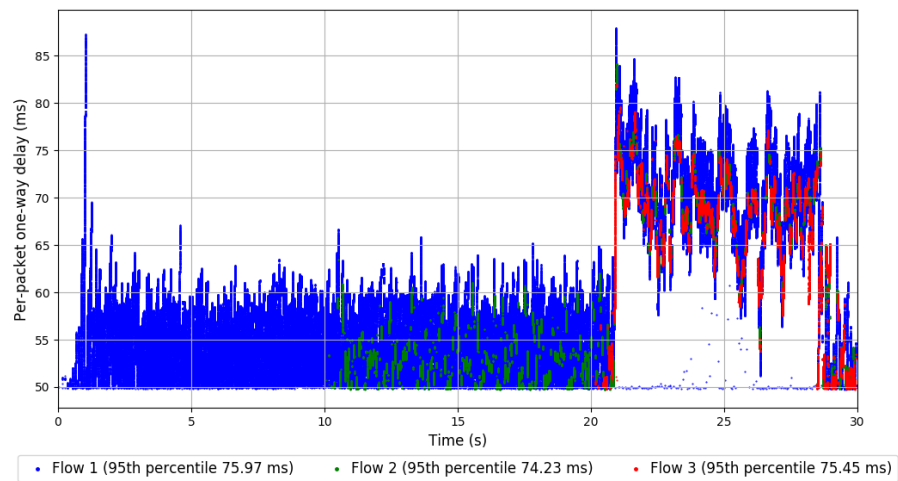
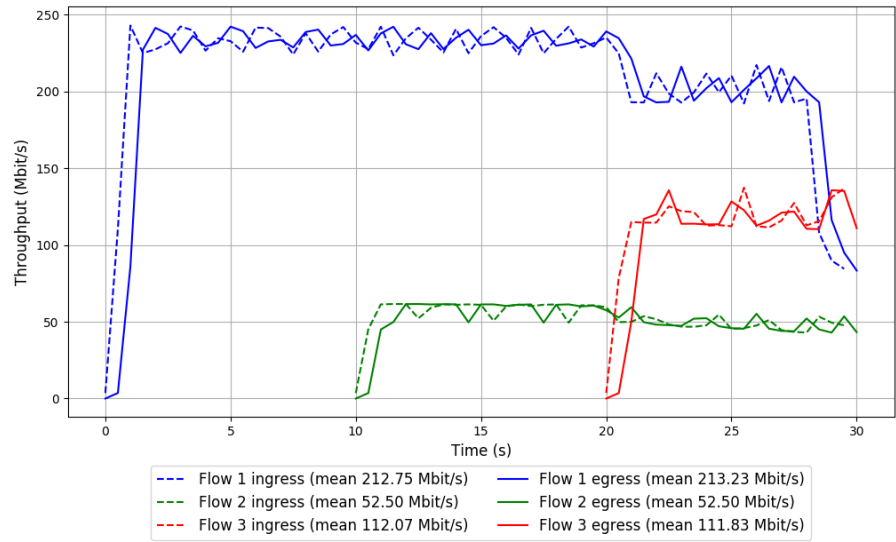


Run 4: Statistics of TCP Vegas

Start at: 2018-07-06 08:45:38
End at: 2018-07-06 08:46:08
Local clock offset: -0.095 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-06 13:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.02 Mbit/s
95th percentile per-packet one-way delay: 75.545 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 213.23 Mbit/s
95th percentile per-packet one-way delay: 75.975 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 74.227 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 111.83 Mbit/s
95th percentile per-packet one-way delay: 75.448 ms
Loss rate: 1.24%

Run 4: Report of TCP Vegas — Data Link

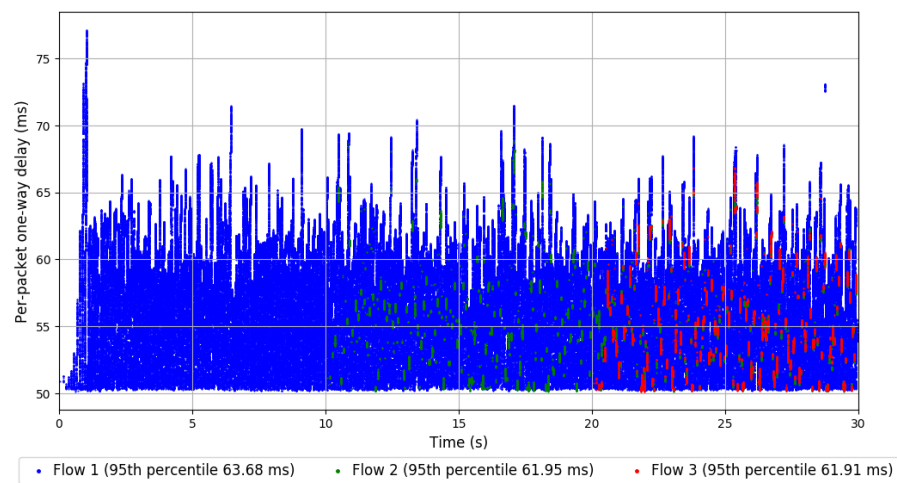
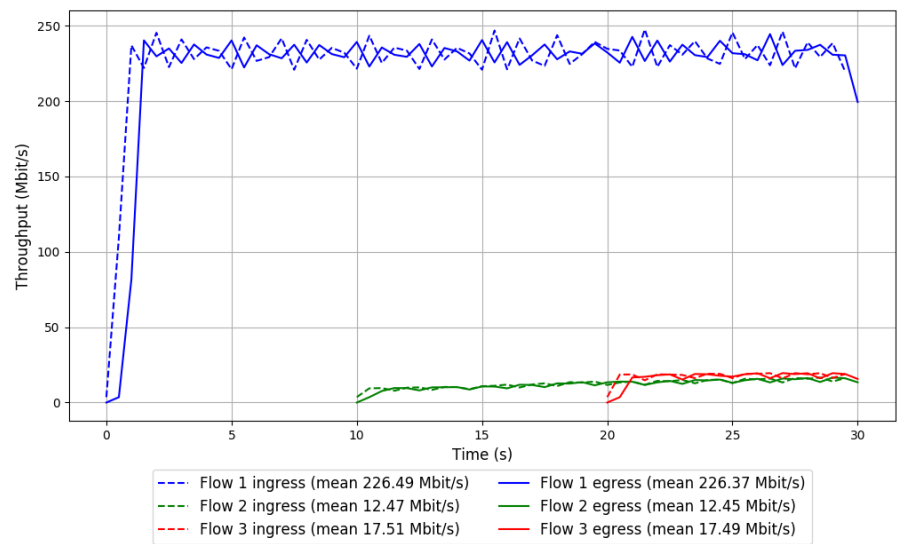


Run 5: Statistics of TCP Vegas

Start at: 2018-07-06 09:09:22
End at: 2018-07-06 09:09:52
Local clock offset: -0.188 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-07-06 13:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.40 Mbit/s
95th percentile per-packet one-way delay: 63.618 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 226.37 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 61.955 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 61.905 ms
Loss rate: 1.13%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-06 09:33:21

End at: 2018-07-06 09:33:51

Local clock offset: -0.09 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-06 13:22:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.37 Mbit/s

95th percentile per-packet one-way delay: 54.678 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 178.96 Mbit/s

95th percentile per-packet one-way delay: 53.757 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 55.926 ms

Loss rate: 1.04%

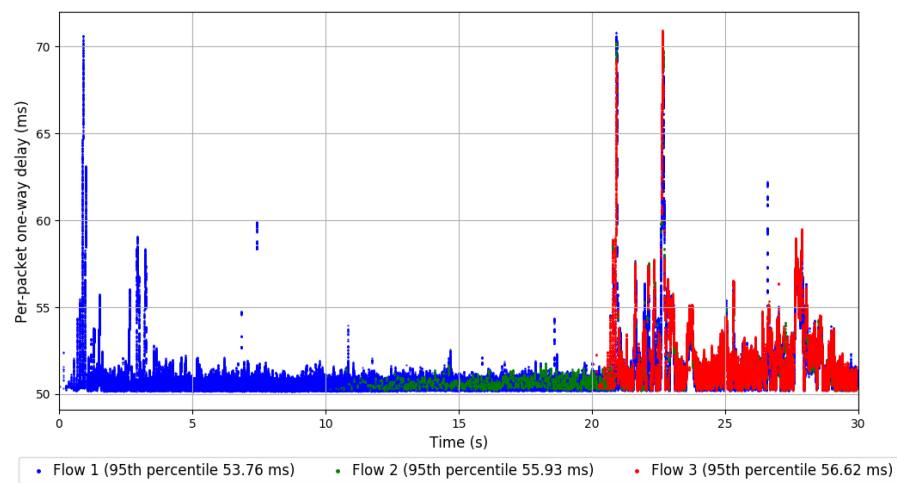
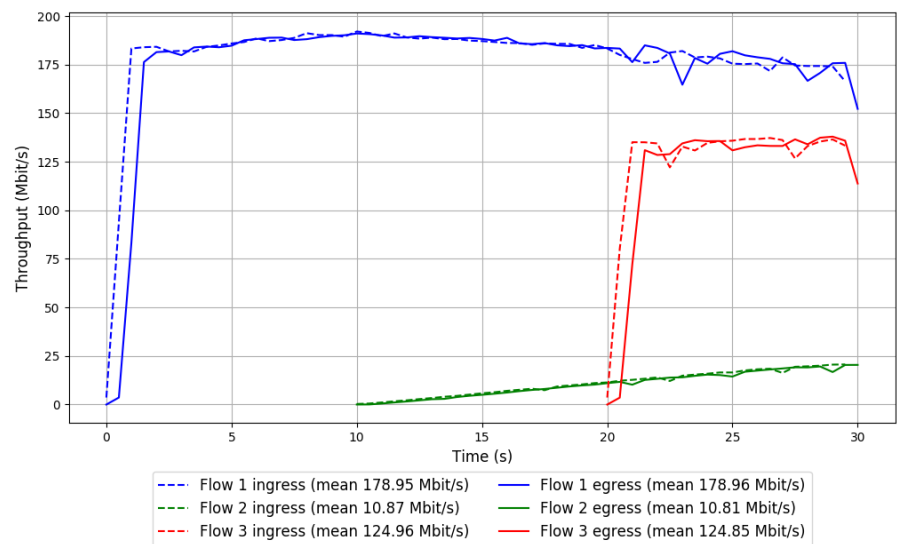
-- Flow 3:

Average throughput: 124.85 Mbit/s

95th percentile per-packet one-way delay: 56.622 ms

Loss rate: 1.11%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-06 09:57:16

End at: 2018-07-06 09:57:46

Local clock offset: -0.127 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-06 13:25:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.53 Mbit/s

95th percentile per-packet one-way delay: 63.315 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 215.98 Mbit/s

95th percentile per-packet one-way delay: 63.571 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 61.958 ms

Loss rate: 0.52%

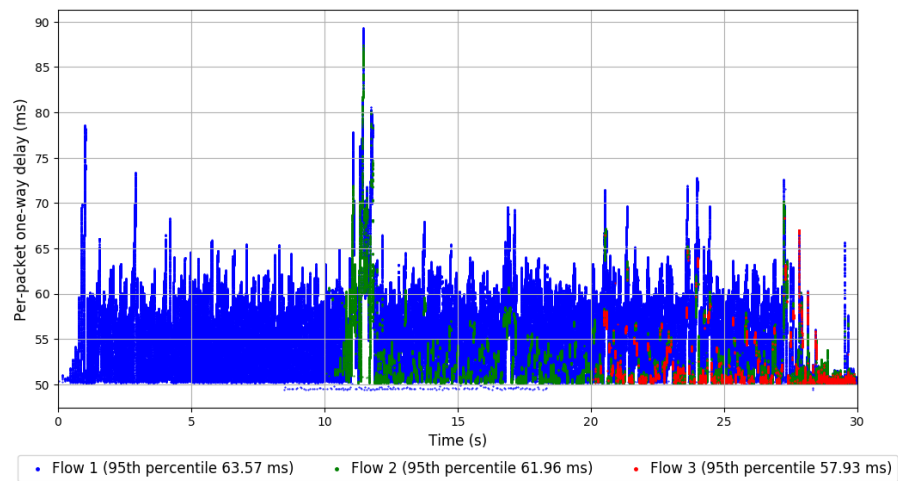
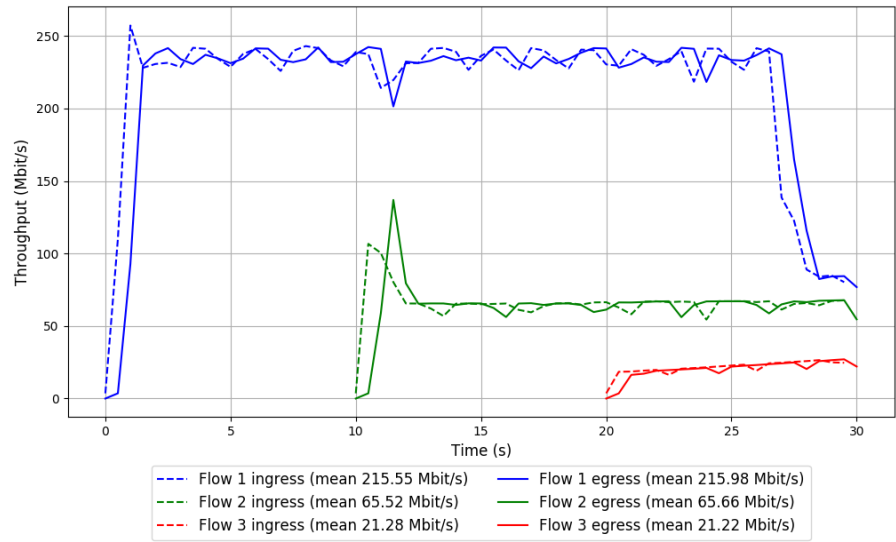
-- Flow 3:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 57.927 ms

Loss rate: 1.32%

Run 7: Report of TCP Vegas — Data Link

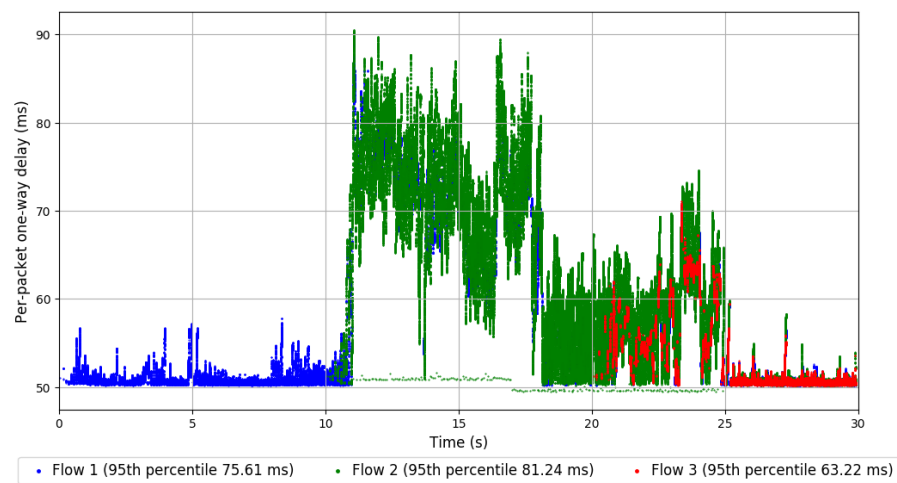
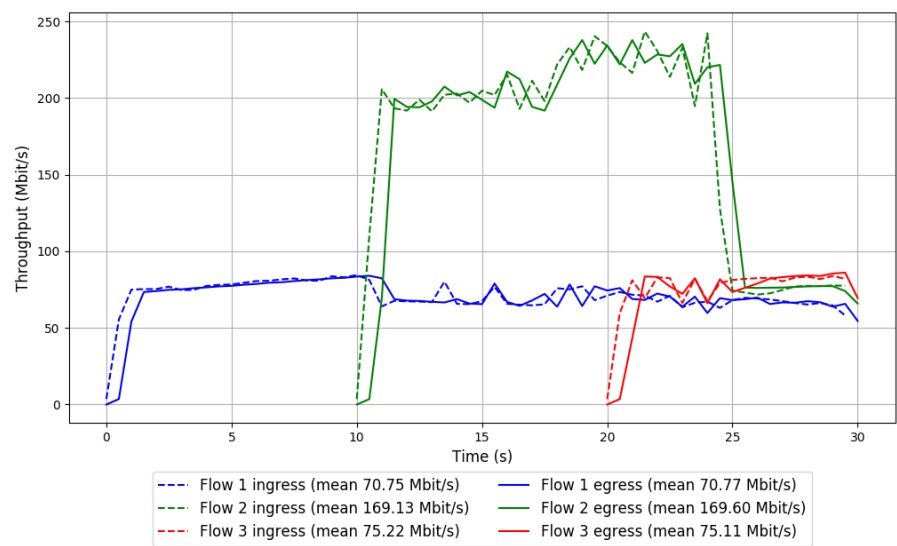


Run 8: Statistics of TCP Vegas

Start at: 2018-07-06 10:21:07
End at: 2018-07-06 10:21:37
Local clock offset: -0.11 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-06 13:25:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.26 Mbit/s
95th percentile per-packet one-way delay: 79.431 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 75.609 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 169.60 Mbit/s
95th percentile per-packet one-way delay: 81.239 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 75.11 Mbit/s
95th percentile per-packet one-way delay: 63.220 ms
Loss rate: 1.17%

Run 8: Report of TCP Vegas — Data Link

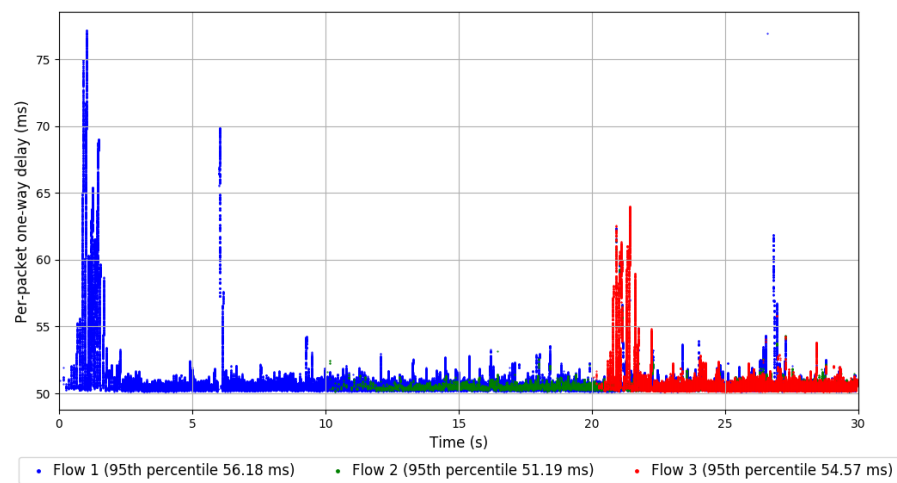
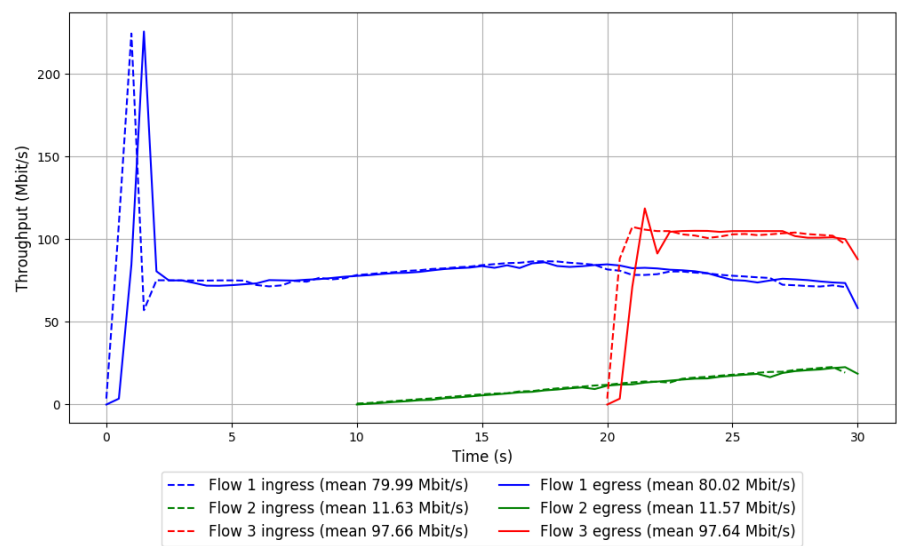


Run 9: Statistics of TCP Vegas

Start at: 2018-07-06 10:44:53
End at: 2018-07-06 10:45:23
Local clock offset: -0.099 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-06 13:25:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.83 Mbit/s
95th percentile per-packet one-way delay: 55.088 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 56.181 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 51.191 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 97.64 Mbit/s
95th percentile per-packet one-way delay: 54.567 ms
Loss rate: 1.04%

Run 9: Report of TCP Vegas — Data Link

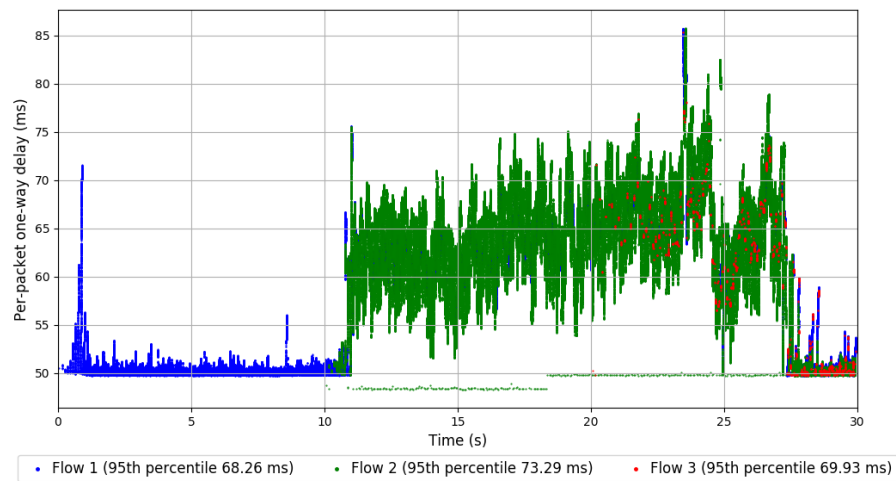
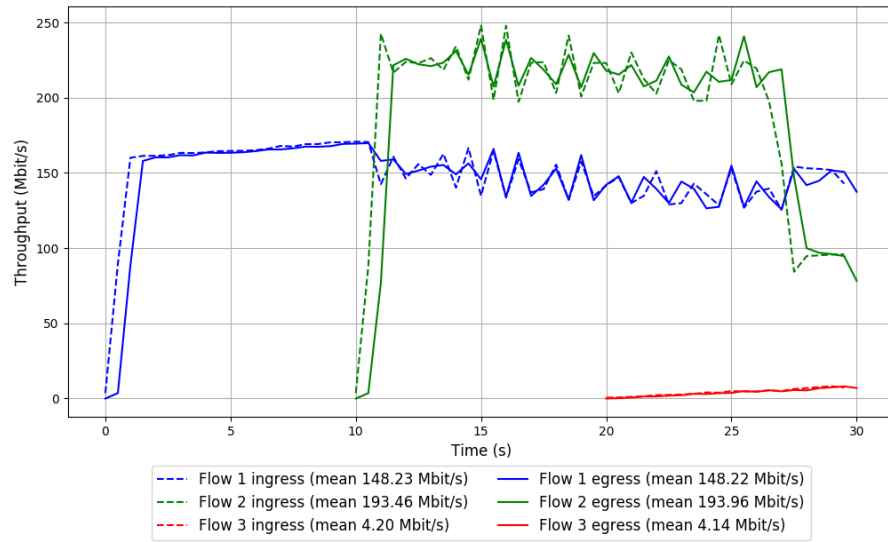


Run 10: Statistics of TCP Vegas

Start at: 2018-07-06 11:08:36
End at: 2018-07-06 11:09:06
Local clock offset: -0.411 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-07-06 13:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.47 Mbit/s
95th percentile per-packet one-way delay: 71.869 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 148.22 Mbit/s
95th percentile per-packet one-way delay: 68.260 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 193.96 Mbit/s
95th percentile per-packet one-way delay: 73.294 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 69.929 ms
Loss rate: 2.36%

Run 10: Report of TCP Vegas — Data Link

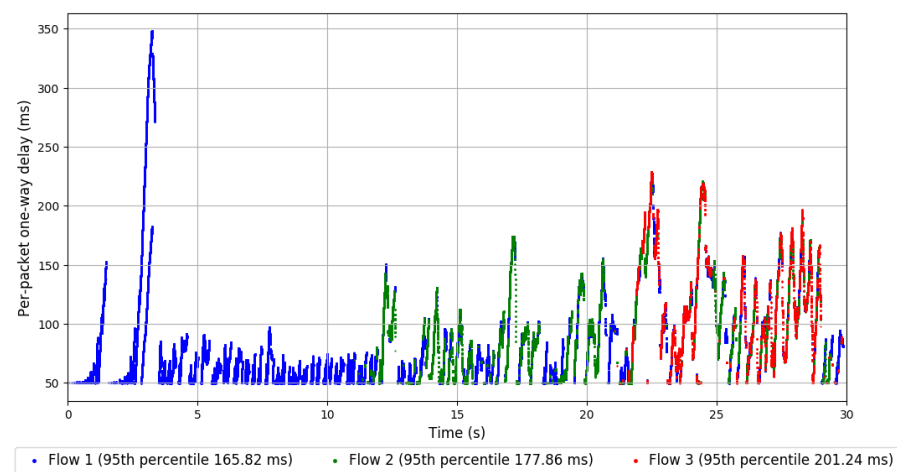
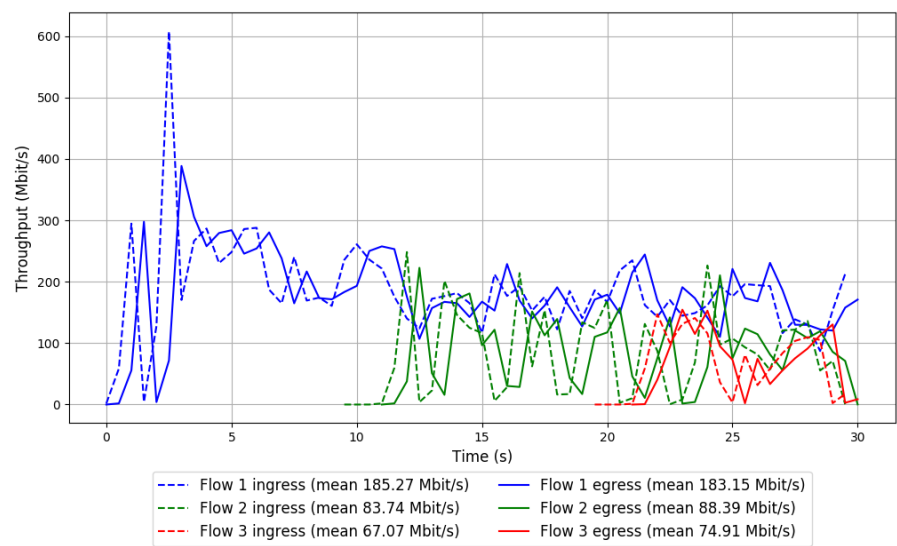


Run 1: Statistics of Verus

Start at: 2018-07-06 07:30:32
End at: 2018-07-06 07:31:02
Local clock offset: -0.062 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-06 13:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.75 Mbit/s
95th percentile per-packet one-way delay: 177.375 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 183.15 Mbit/s
95th percentile per-packet one-way delay: 165.822 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 177.858 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 201.244 ms
Loss rate: 1.27%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-06 07:54:26

End at: 2018-07-06 07:54:56

Local clock offset: -0.116 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-06 13:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.68 Mbit/s

95th percentile per-packet one-way delay: 182.726 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 181.43 Mbit/s

95th percentile per-packet one-way delay: 186.283 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 167.83 Mbit/s

95th percentile per-packet one-way delay: 170.985 ms

Loss rate: 0.77%

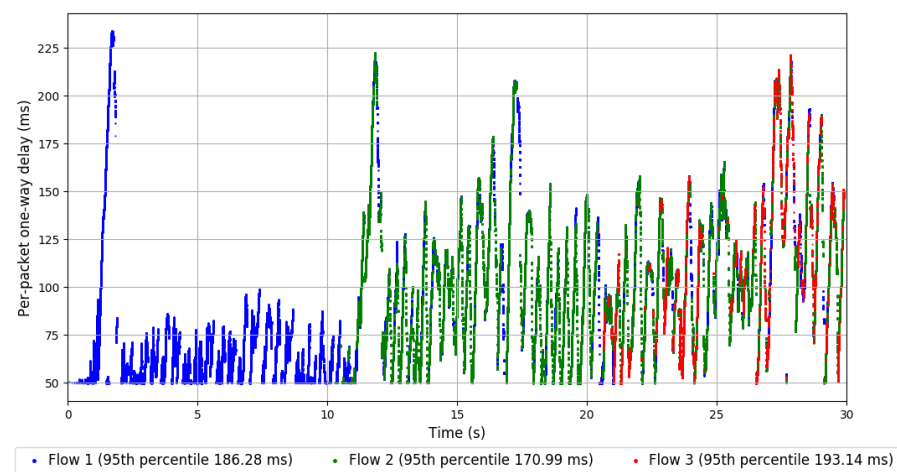
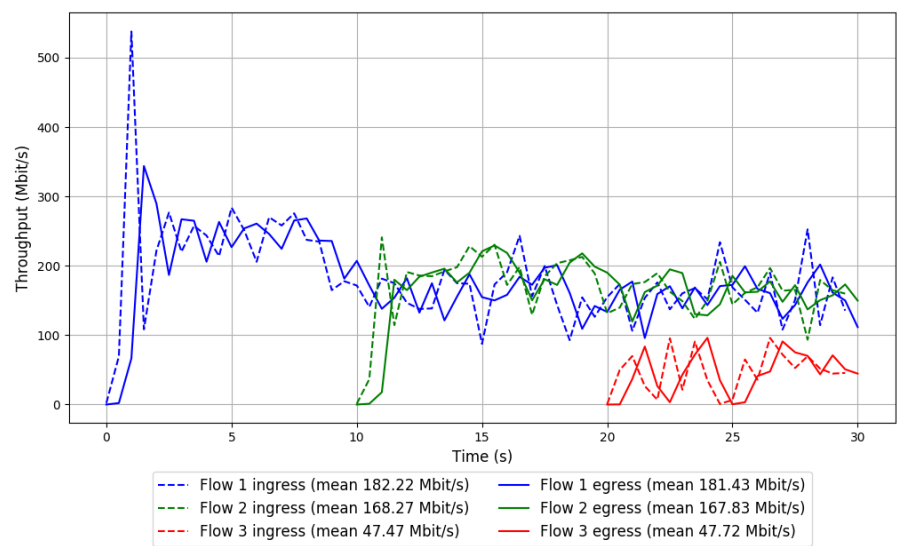
-- Flow 3:

Average throughput: 47.72 Mbit/s

95th percentile per-packet one-way delay: 193.144 ms

Loss rate: 0.20%

Run 2: Report of Verus — Data Link

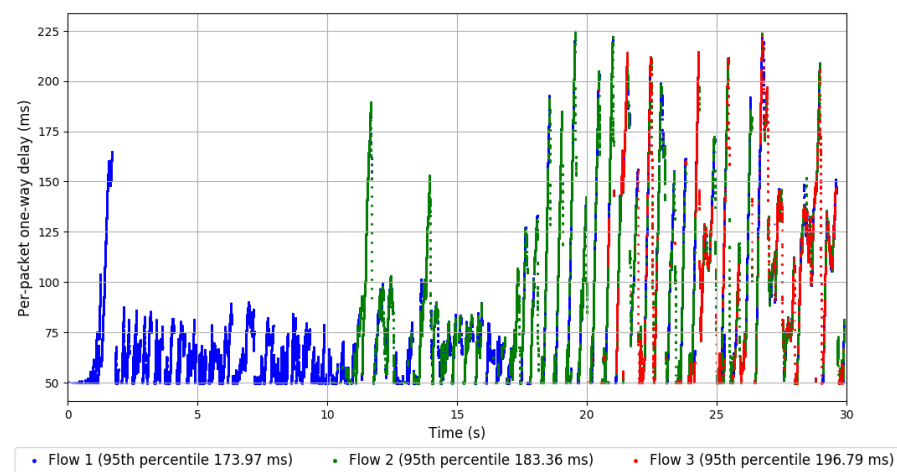
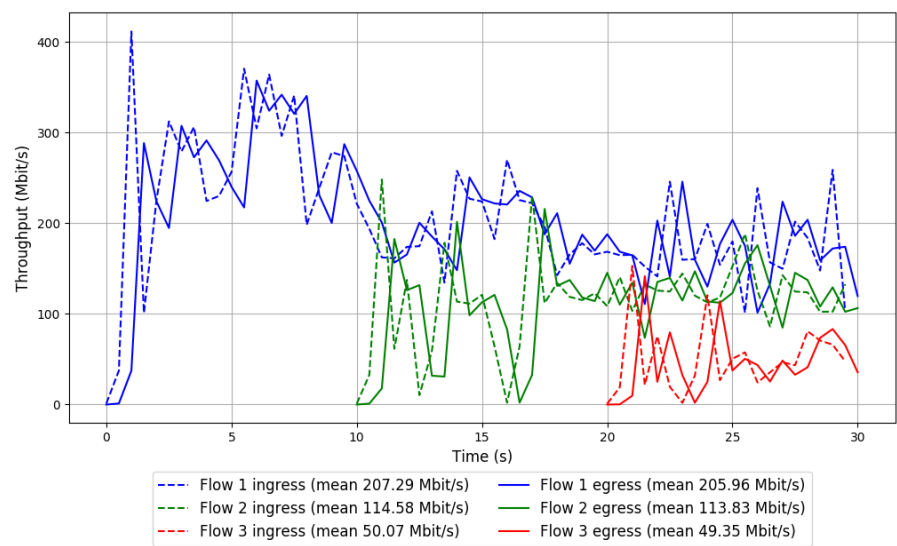


Run 3: Statistics of Verus

Start at: 2018-07-06 08:18:26
End at: 2018-07-06 08:18:56
Local clock offset: -0.051 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-06 13:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.81 Mbit/s
95th percentile per-packet one-way delay: 179.589 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 205.96 Mbit/s
95th percentile per-packet one-way delay: 173.967 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 113.83 Mbit/s
95th percentile per-packet one-way delay: 183.358 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 196.788 ms
Loss rate: 2.67%

Run 3: Report of Verus — Data Link

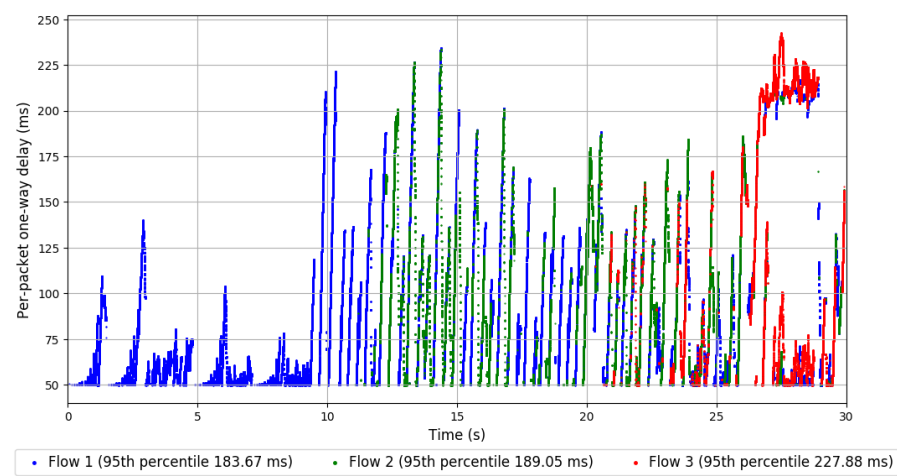
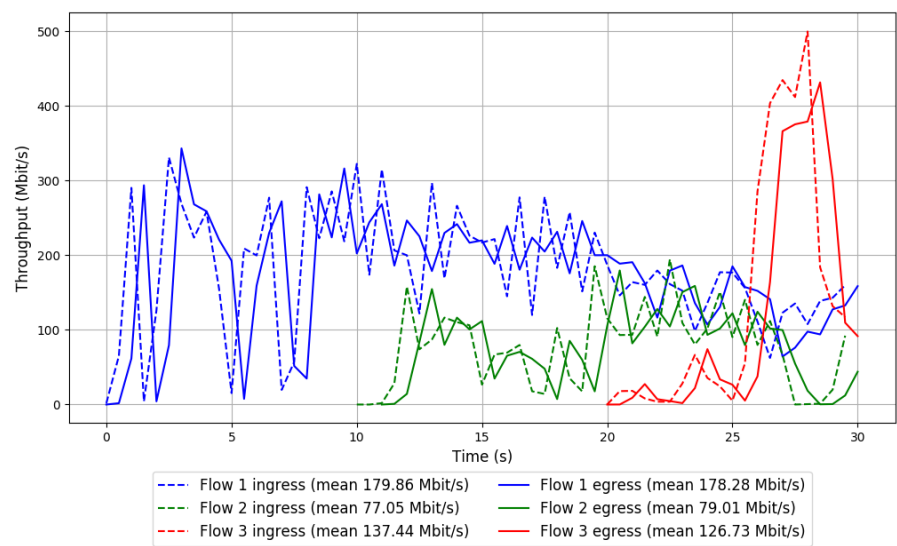


Run 4: Statistics of Verus

Start at: 2018-07-06 08:42:29
End at: 2018-07-06 08:42:59
Local clock offset: -0.085 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-06 13:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.35 Mbit/s
95th percentile per-packet one-way delay: 212.094 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 178.28 Mbit/s
95th percentile per-packet one-way delay: 183.672 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 189.048 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 227.879 ms
Loss rate: 9.73%

Run 4: Report of Verus — Data Link

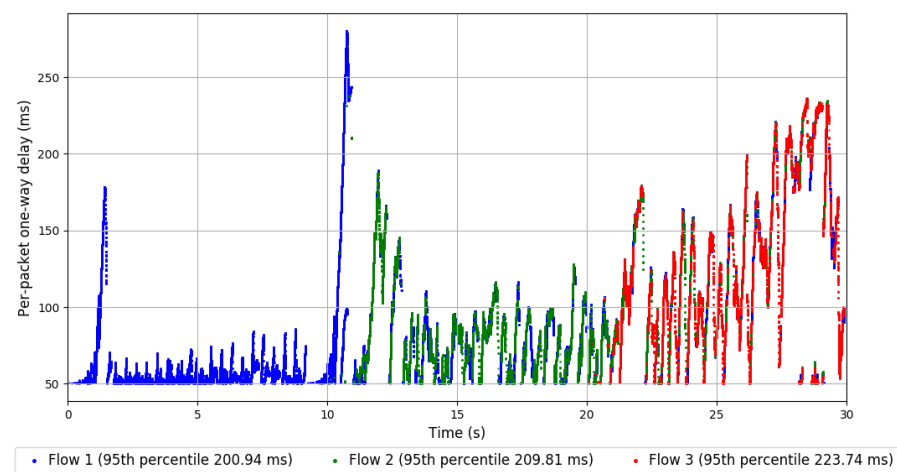
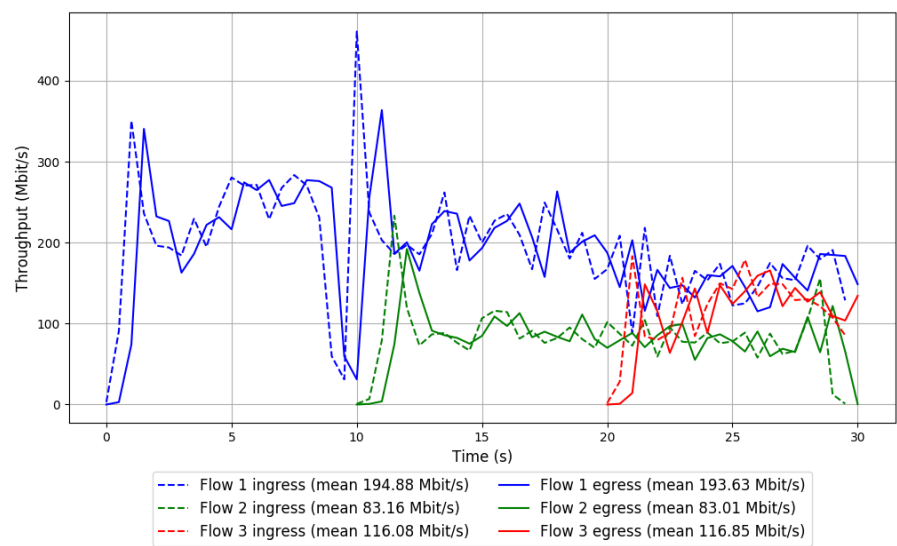


Run 5: Statistics of Verus

Start at: 2018-07-06 09:05:59
End at: 2018-07-06 09:06:29
Local clock offset: -0.182 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-06 13:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.88 Mbit/s
95th percentile per-packet one-way delay: 208.458 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 193.63 Mbit/s
95th percentile per-packet one-way delay: 200.940 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 209.813 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 116.85 Mbit/s
95th percentile per-packet one-way delay: 223.741 ms
Loss rate: 0.68%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-06 09:30:01

End at: 2018-07-06 09:30:31

Local clock offset: -0.05 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-06 13:29:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.73 Mbit/s

95th percentile per-packet one-way delay: 205.505 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 203.60 Mbit/s

95th percentile per-packet one-way delay: 178.588 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 207.299 ms

Loss rate: 2.69%

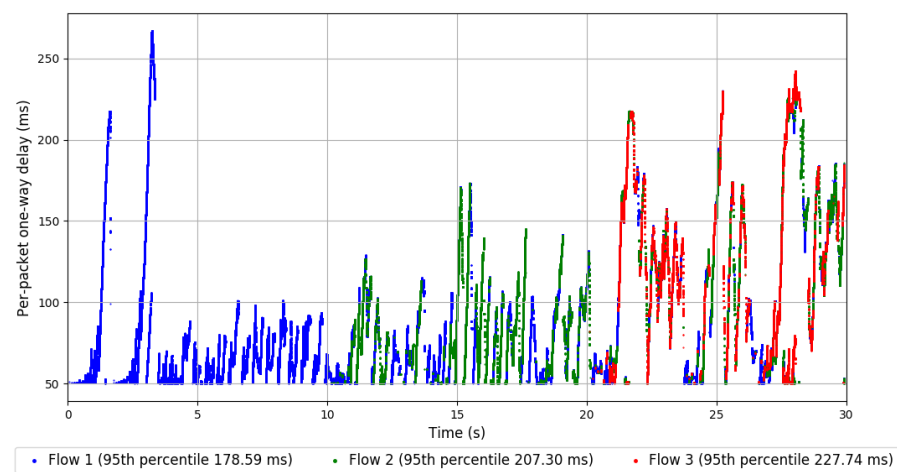
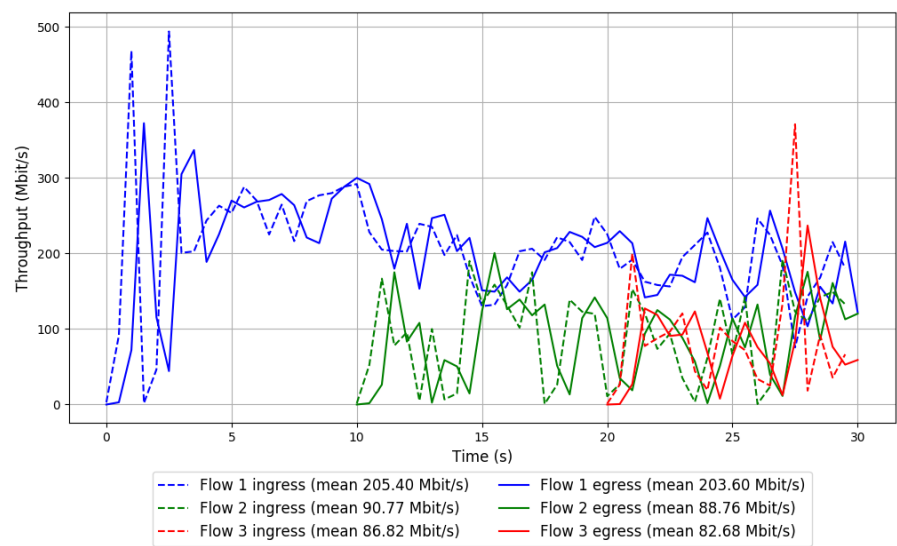
-- Flow 3:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: 227.743 ms

Loss rate: 4.96%

Run 6: Report of Verus — Data Link

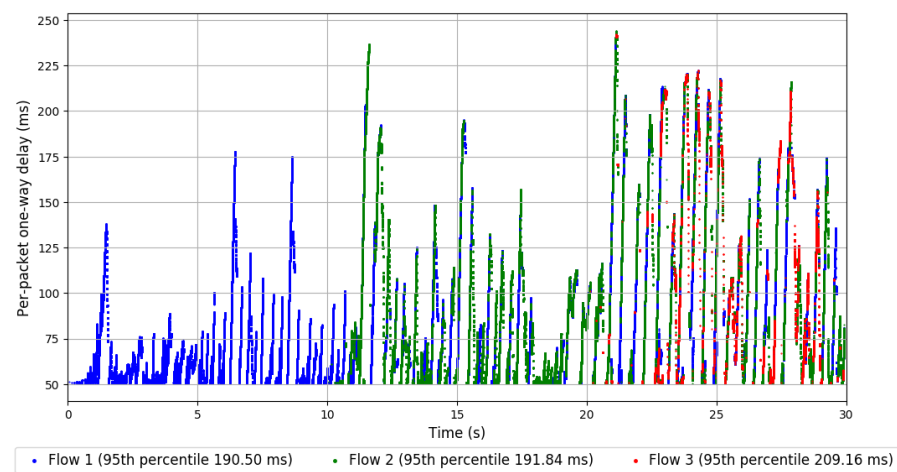
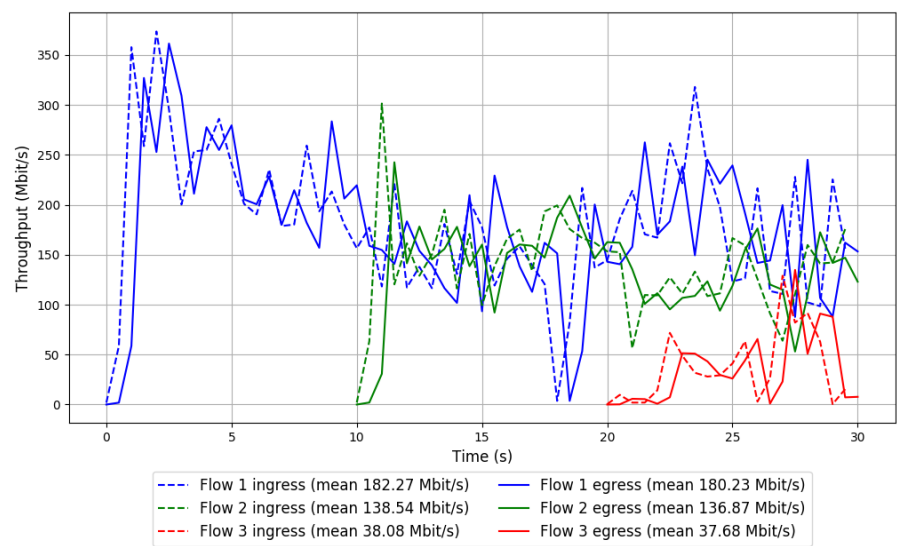


Run 7: Statistics of Verus

Start at: 2018-07-06 09:53:54
End at: 2018-07-06 09:54:24
Local clock offset: 0.278 ms
Remote clock offset: 0.075 ms

```
# Below is generated by plot.py at 2018-07-06 13:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.51 Mbit/s
95th percentile per-packet one-way delay: 192.338 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 190.499 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 136.87 Mbit/s
95th percentile per-packet one-way delay: 191.841 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 209.160 ms
Loss rate: 2.57%
```

Run 7: Report of Verus — Data Link

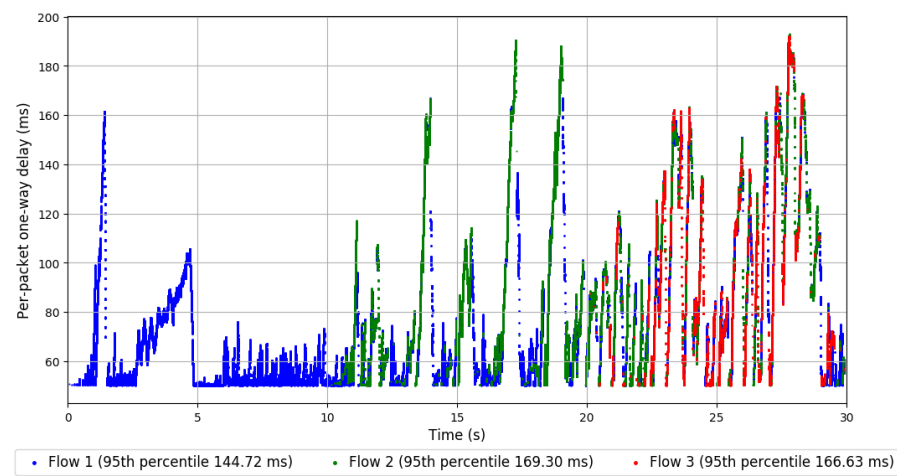
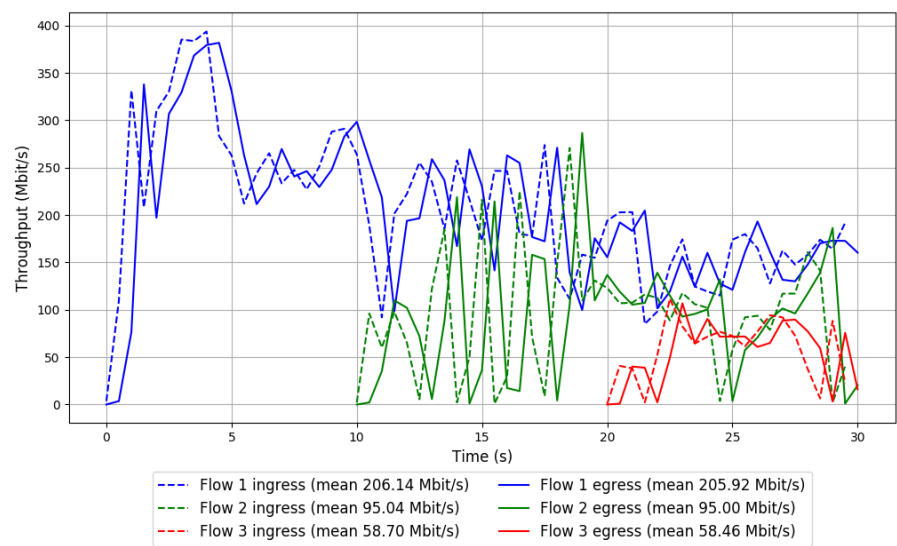


Run 8: Statistics of Verus

Start at: 2018-07-06 10:17:47
End at: 2018-07-06 10:18:17
Local clock offset: -0.133 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-06 13:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.07 Mbit/s
95th percentile per-packet one-way delay: 155.563 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 205.92 Mbit/s
95th percentile per-packet one-way delay: 144.716 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 169.296 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 166.632 ms
Loss rate: 1.93%

Run 8: Report of Verus — Data Link

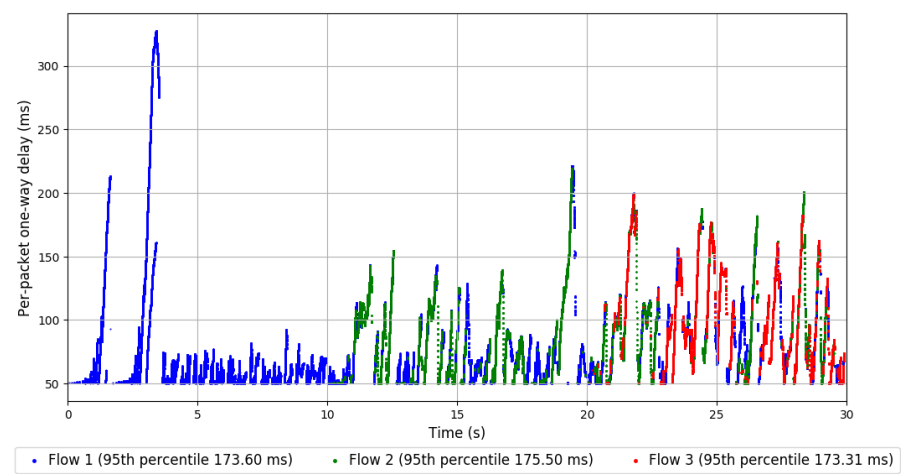
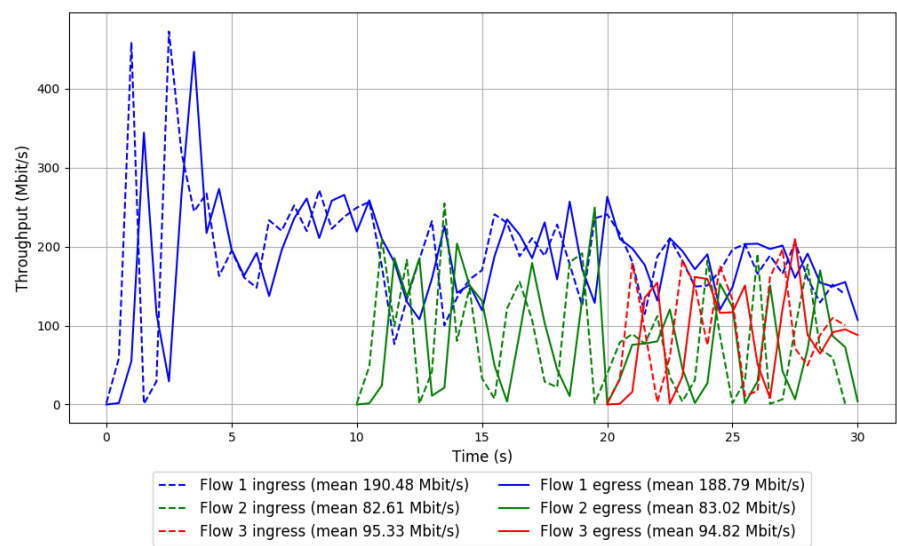


Run 9: Statistics of Verus

Start at: 2018-07-06 10:41:29
End at: 2018-07-06 10:41:59
Local clock offset: -0.092 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-06 13:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.07 Mbit/s
95th percentile per-packet one-way delay: 174.459 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 173.605 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 175.504 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 173.309 ms
Loss rate: 1.42%

Run 9: Report of Verus — Data Link

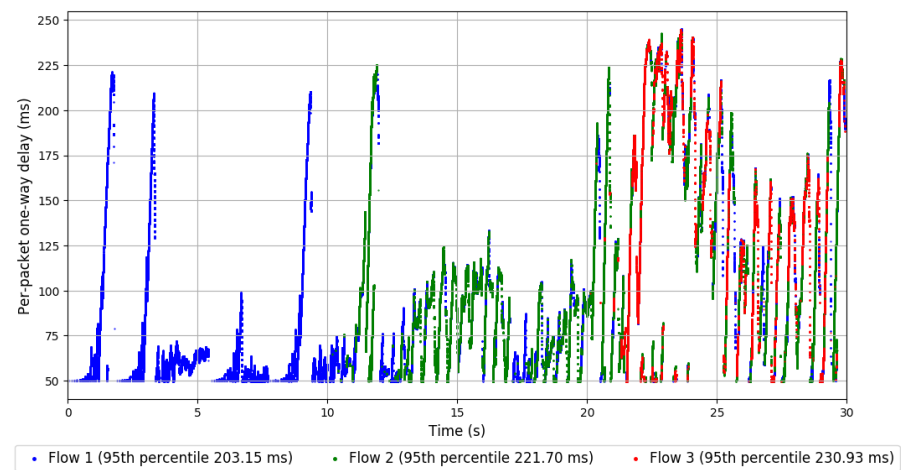
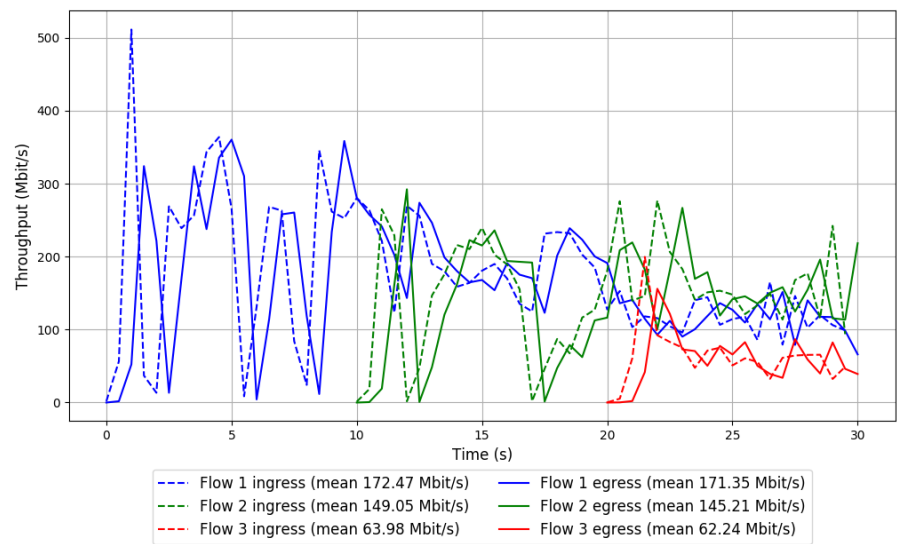


Run 10: Statistics of Verus

Start at: 2018-07-06 11:05:20
End at: 2018-07-06 11:05:50
Local clock offset: -0.407 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-06 13:32:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.15 Mbit/s
95th percentile per-packet one-way delay: 214.795 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 171.35 Mbit/s
95th percentile per-packet one-way delay: 203.149 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 221.704 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 230.934 ms
Loss rate: 2.38%

Run 10: Report of Verus — Data Link

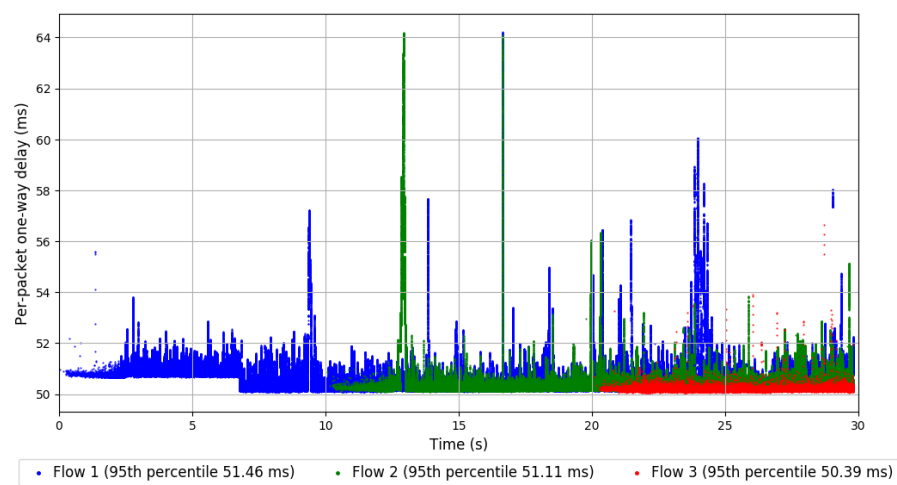
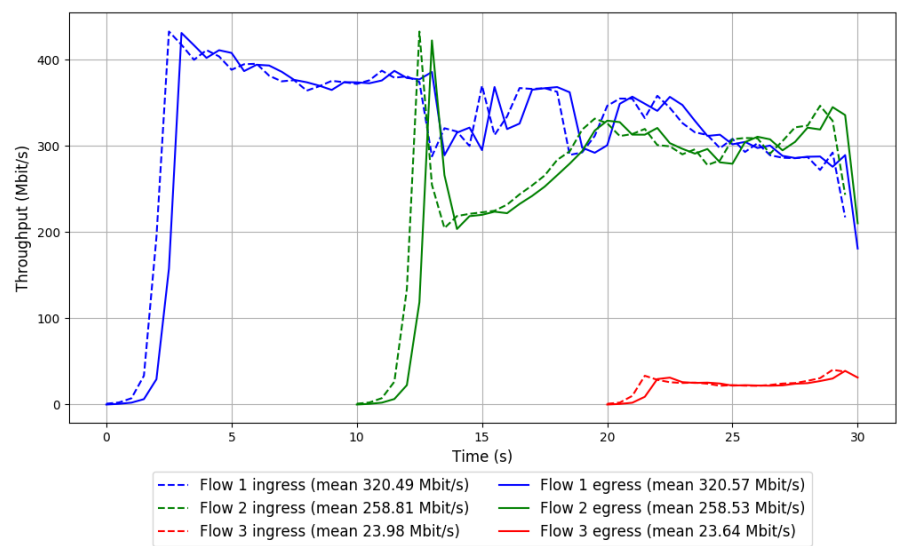


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-06 07:25:17
End at: 2018-07-06 07:25:47
Local clock offset: -0.078 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-06 13:36:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.85 Mbit/s
95th percentile per-packet one-way delay: 51.382 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 320.57 Mbit/s
95th percentile per-packet one-way delay: 51.461 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 258.53 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 50.387 ms
Loss rate: 2.42%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-06 07:49:13

End at: 2018-07-06 07:49:43

Local clock offset: -0.489 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-06 13:36:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.23 Mbit/s

95th percentile per-packet one-way delay: 70.538 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 286.76 Mbit/s

95th percentile per-packet one-way delay: 50.687 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 213.13 Mbit/s

95th percentile per-packet one-way delay: 117.553 ms

Loss rate: 0.55%

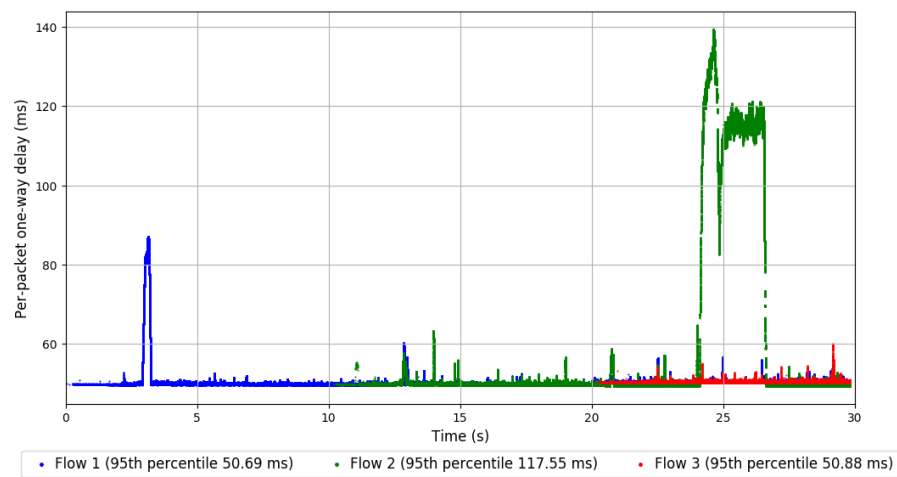
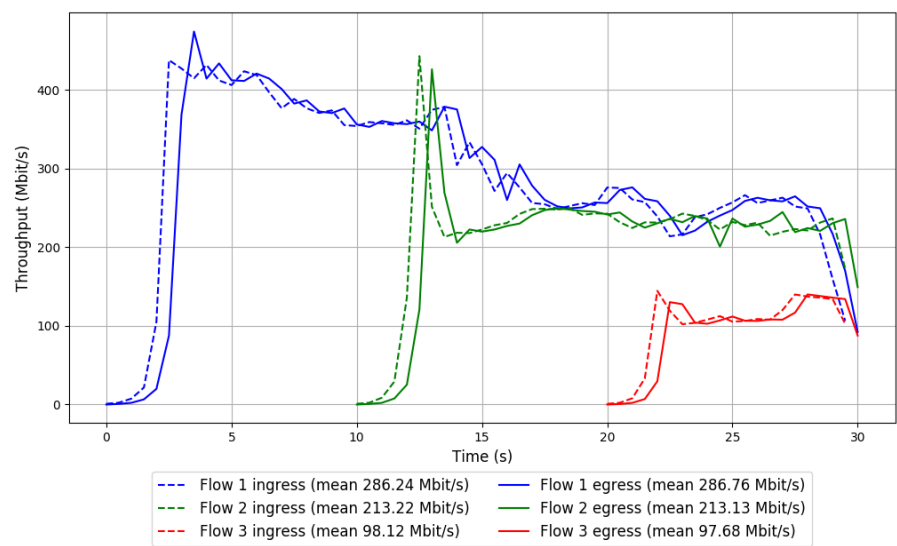
-- Flow 3:

Average throughput: 97.68 Mbit/s

95th percentile per-packet one-way delay: 50.877 ms

Loss rate: 1.48%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-06 08:13:08

End at: 2018-07-06 08:13:38

Local clock offset: -0.387 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-06 13:38:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 546.88 Mbit/s

95th percentile per-packet one-way delay: 50.985 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 309.81 Mbit/s

95th percentile per-packet one-way delay: 50.737 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 272.14 Mbit/s

95th percentile per-packet one-way delay: 51.809 ms

Loss rate: 0.41%

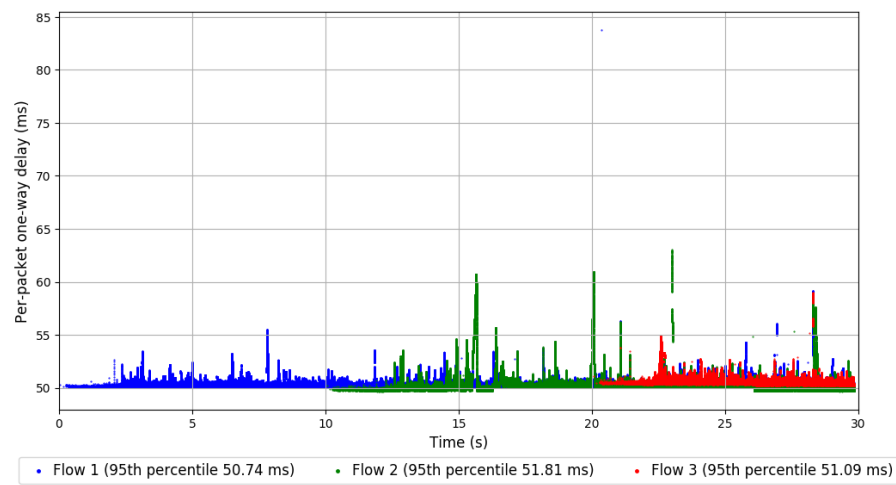
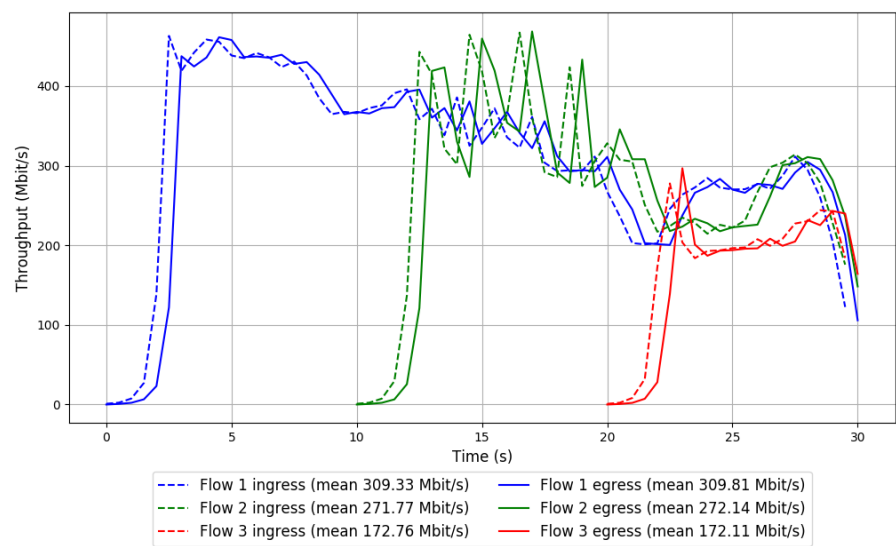
-- Flow 3:

Average throughput: 172.11 Mbit/s

95th percentile per-packet one-way delay: 51.088 ms

Loss rate: 1.41%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-06 08:37:15

End at: 2018-07-06 08:37:45

Local clock offset: -0.023 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-06 13:38:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.66 Mbit/s

95th percentile per-packet one-way delay: 50.831 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 278.78 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 255.07 Mbit/s

95th percentile per-packet one-way delay: 50.691 ms

Loss rate: 0.66%

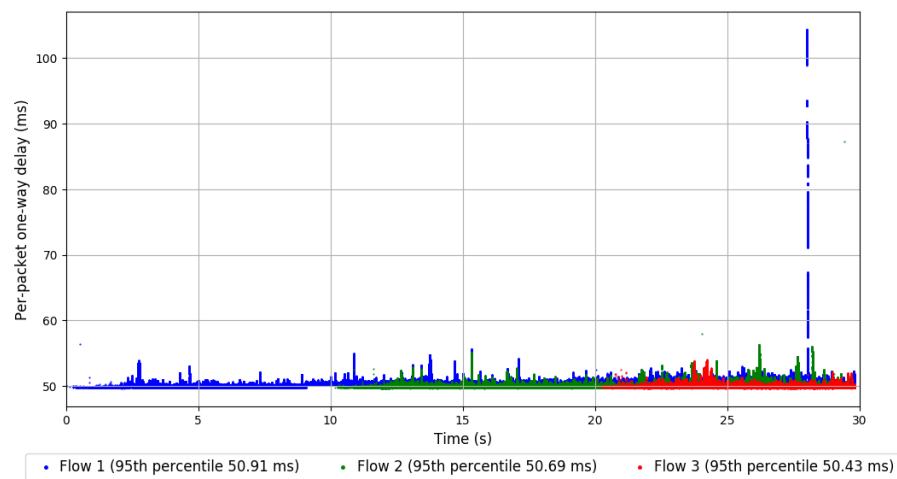
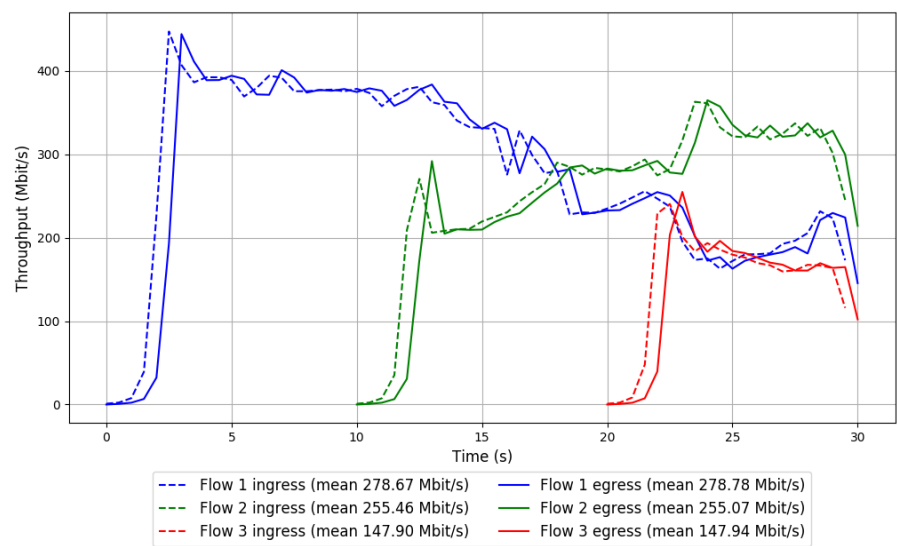
-- Flow 3:

Average throughput: 147.94 Mbit/s

95th percentile per-packet one-way delay: 50.428 ms

Loss rate: 1.01%

Run 4: Report of PCC-Vivace — Data Link

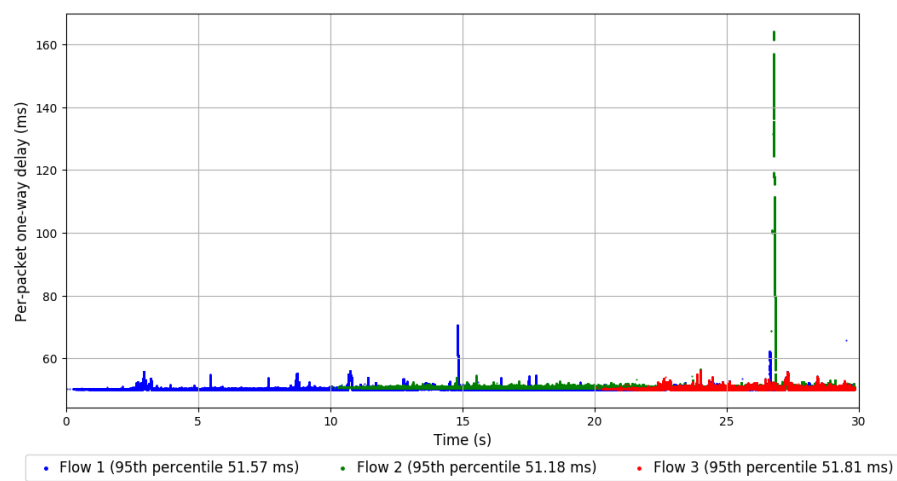
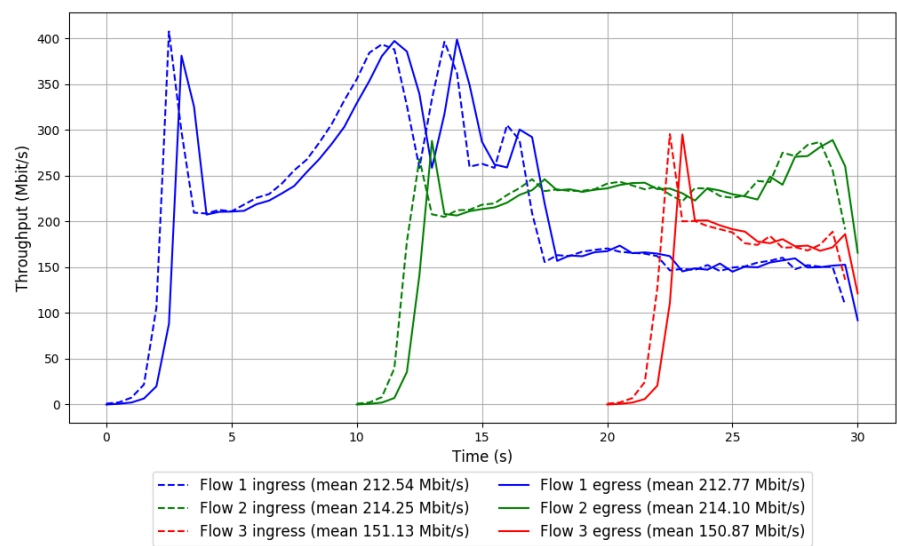


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-06 09:00:51
End at: 2018-07-06 09:01:21
Local clock offset: -0.144 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-06 13:38:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.19 Mbit/s
95th percentile per-packet one-way delay: 51.429 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 212.77 Mbit/s
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 51.181 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 150.87 Mbit/s
95th percentile per-packet one-way delay: 51.808 ms
Loss rate: 1.20%

Run 5: Report of PCC-Vivace — Data Link

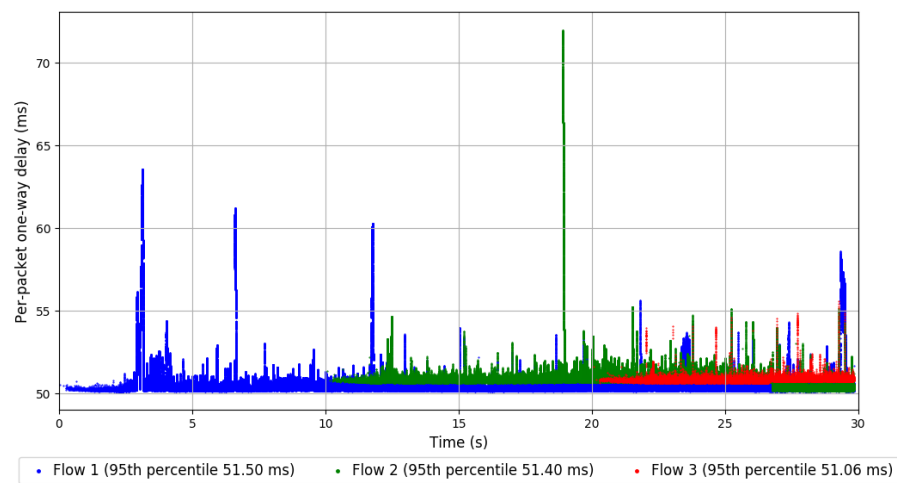
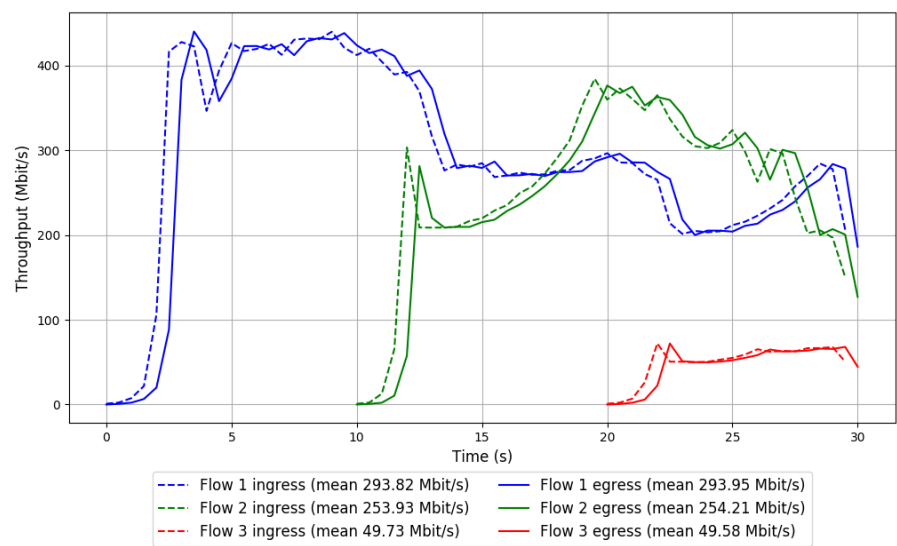


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-06 09:24:47
End at: 2018-07-06 09:25:17
Local clock offset: -0.095 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-06 13:39:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.98 Mbit/s
95th percentile per-packet one-way delay: 51.406 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 293.95 Mbit/s
95th percentile per-packet one-way delay: 51.496 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 254.21 Mbit/s
95th percentile per-packet one-way delay: 51.395 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 51.063 ms
Loss rate: 1.33%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-06 09:48:40

End at: 2018-07-06 09:49:10

Local clock offset: -0.082 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-06 13:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.96 Mbit/s

95th percentile per-packet one-way delay: 50.921 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 297.89 Mbit/s

95th percentile per-packet one-way delay: 50.619 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 207.03 Mbit/s

95th percentile per-packet one-way delay: 50.081 ms

Loss rate: 0.56%

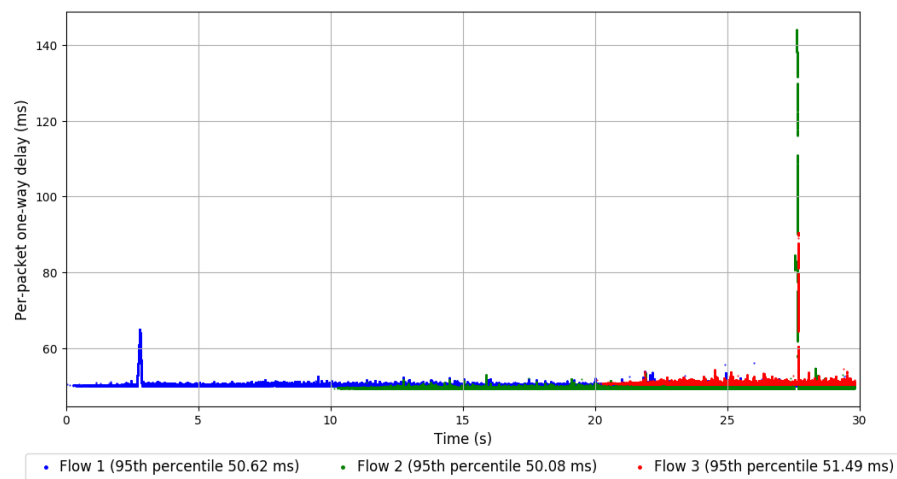
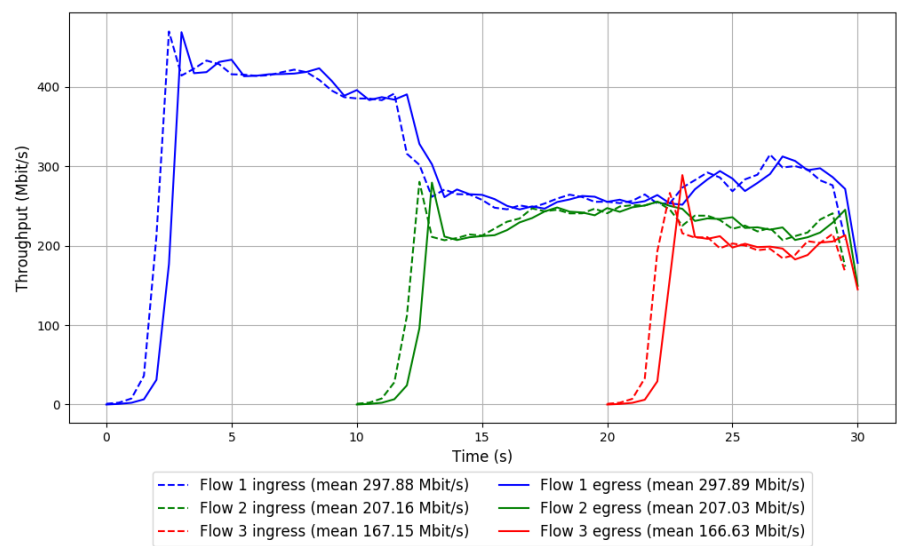
-- Flow 3:

Average throughput: 166.63 Mbit/s

95th percentile per-packet one-way delay: 51.490 ms

Loss rate: 1.32%

Run 7: Report of PCC-Vivace — Data Link

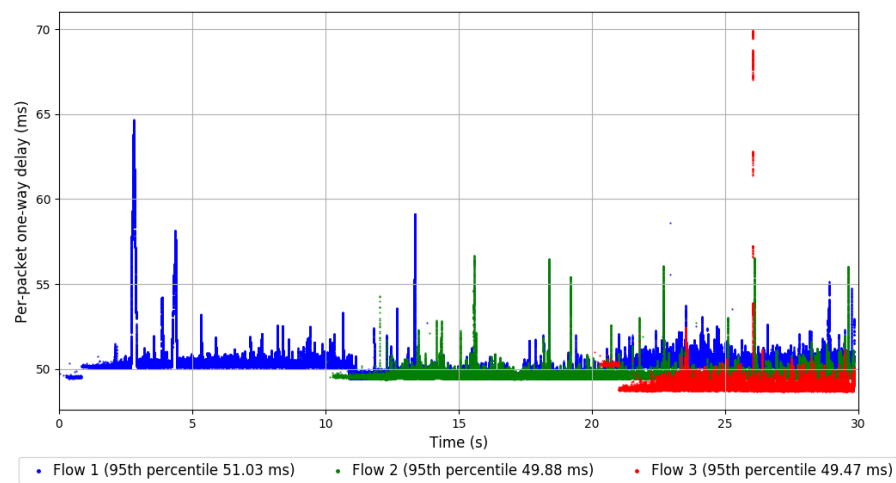
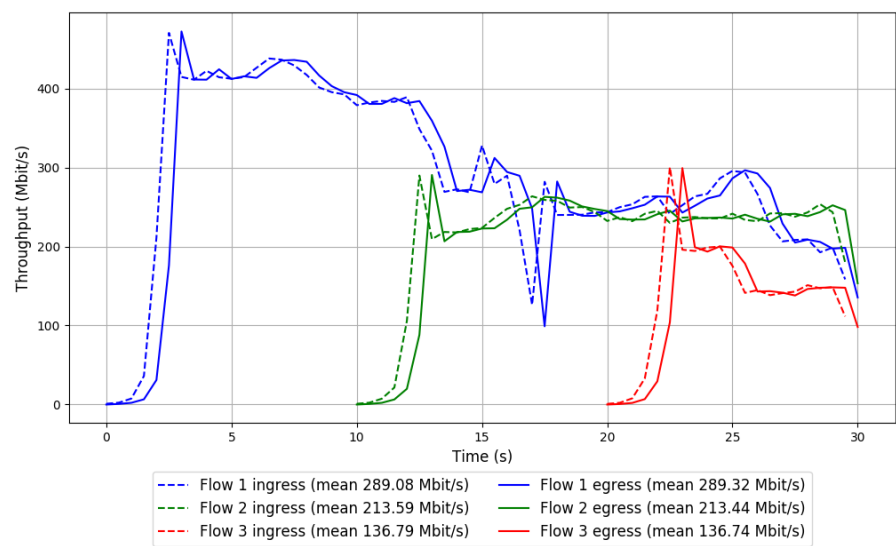


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-06 10:12:33
End at: 2018-07-06 10:13:03
Local clock offset: -0.129 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-06 13:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.78 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 289.32 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 213.44 Mbit/s
95th percentile per-packet one-way delay: 49.876 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 136.74 Mbit/s
95th percentile per-packet one-way delay: 49.469 ms
Loss rate: 1.04%

Run 8: Report of PCC-Vivace — Data Link

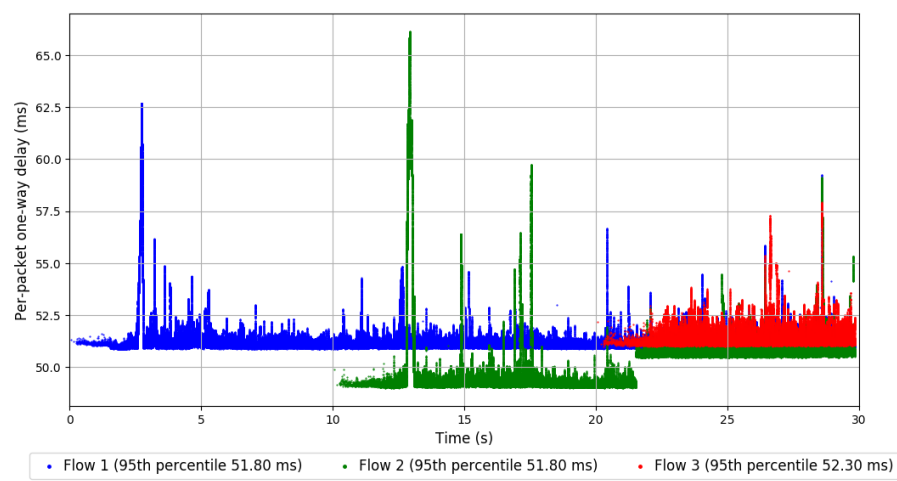
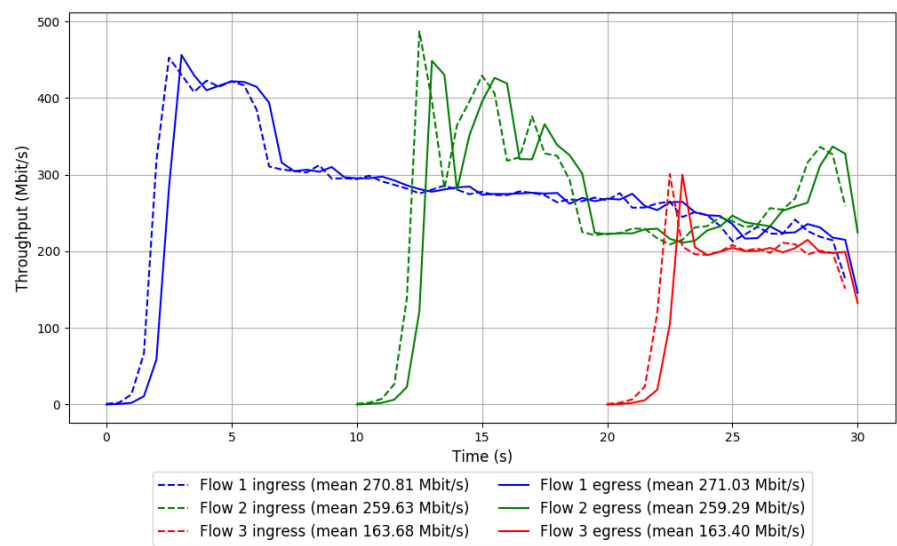


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-06 10:36:12
End at: 2018-07-06 10:36:42
Local clock offset: 0.223 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-06 13:40:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.73 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 271.03 Mbit/s
95th percentile per-packet one-way delay: 51.799 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 259.29 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 163.40 Mbit/s
95th percentile per-packet one-way delay: 52.305 ms
Loss rate: 1.22%

Run 9: Report of PCC-Vivace — Data Link

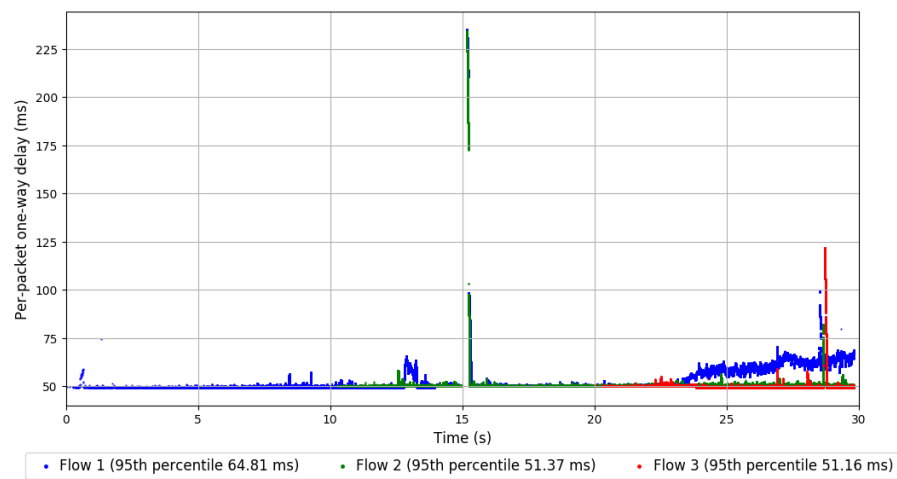
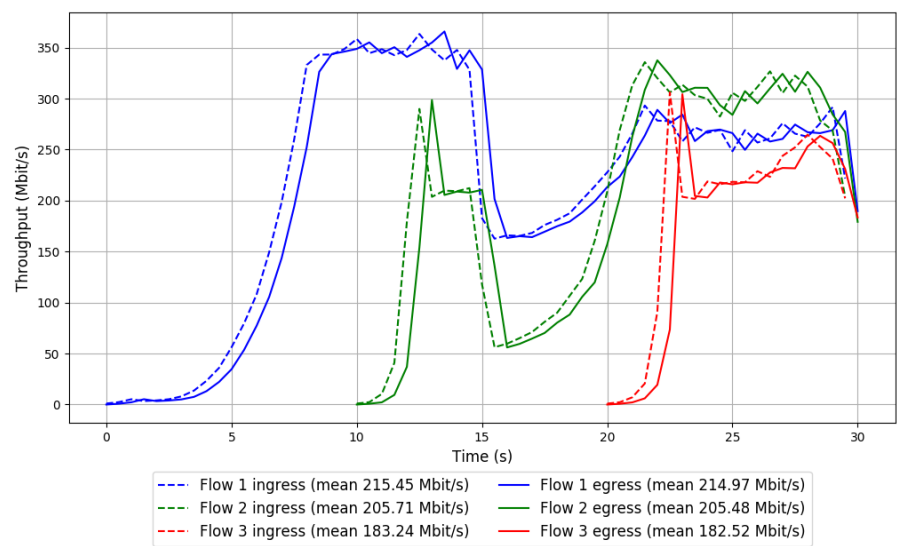


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-06 11:00:10
End at: 2018-07-06 11:00:40
Local clock offset: -0.098 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-06 13:40:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.18 Mbit/s
95th percentile per-packet one-way delay: 63.447 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 214.97 Mbit/s
95th percentile per-packet one-way delay: 64.811 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 205.48 Mbit/s
95th percentile per-packet one-way delay: 51.373 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 182.52 Mbit/s
95th percentile per-packet one-way delay: 51.155 ms
Loss rate: 1.43%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-06 07:24:09

End at: 2018-07-06 07:24:39

Local clock offset: -0.062 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 50.728 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.932 ms

Loss rate: 0.79%

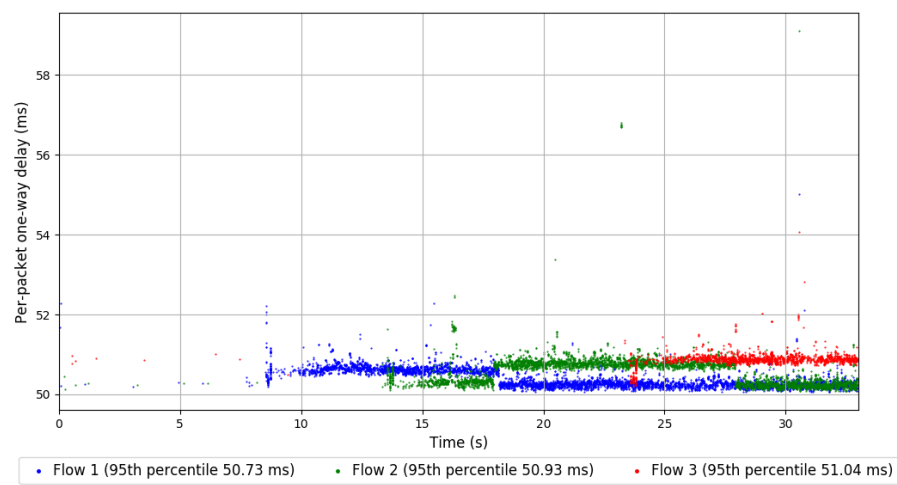
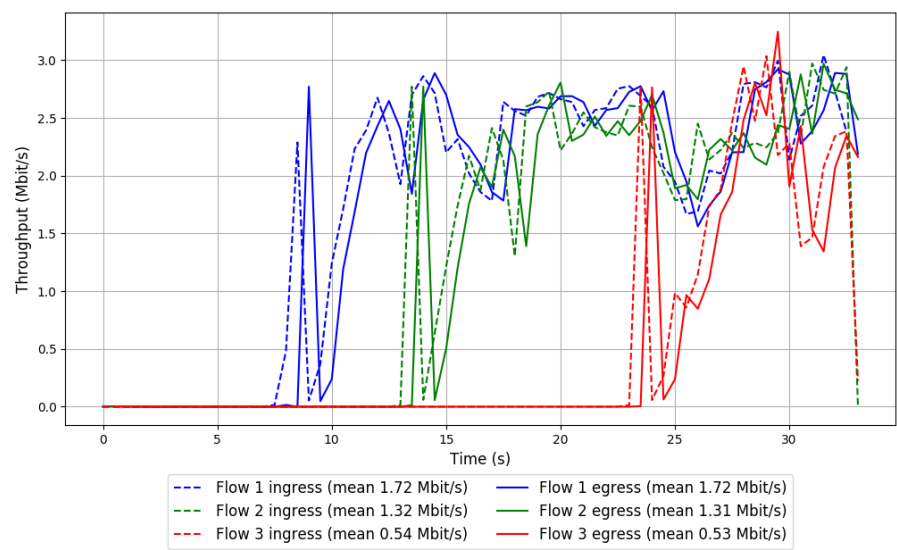
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.044 ms

Loss rate: 1.78%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-06 07:48:05

End at: 2018-07-06 07:48:35

Local clock offset: -0.075 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 50.918 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 50.964 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.067 ms

Loss rate: 0.50%

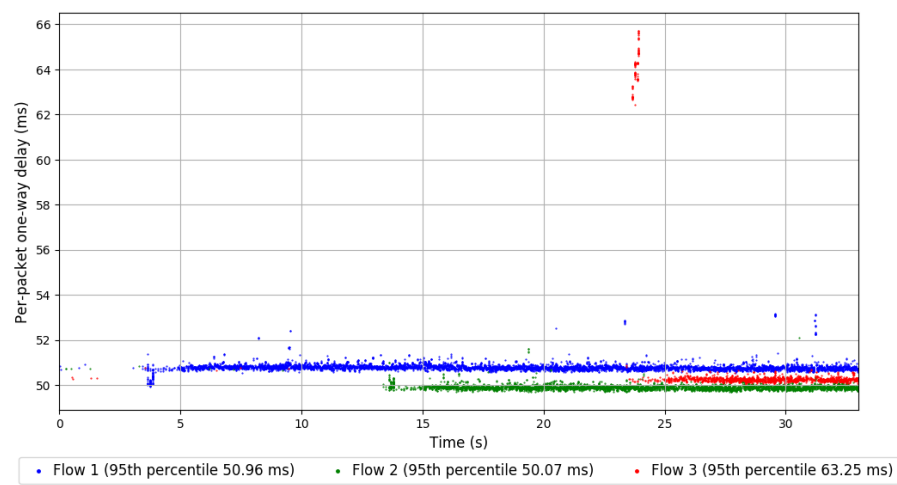
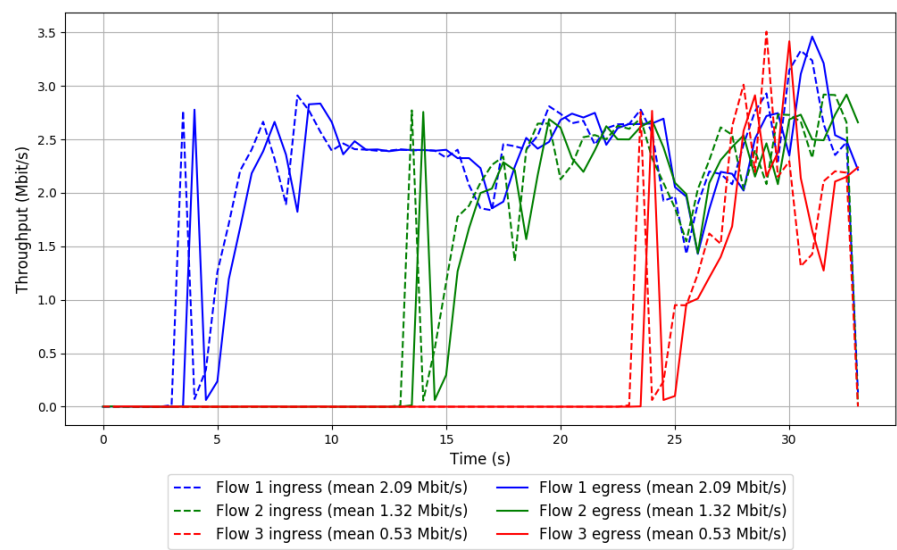
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 63.246 ms

Loss rate: 0.52%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-06 08:12:00

End at: 2018-07-06 08:12:30

Local clock offset: -0.051 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 50.916 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.822 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 50.719 ms

Loss rate: 0.48%

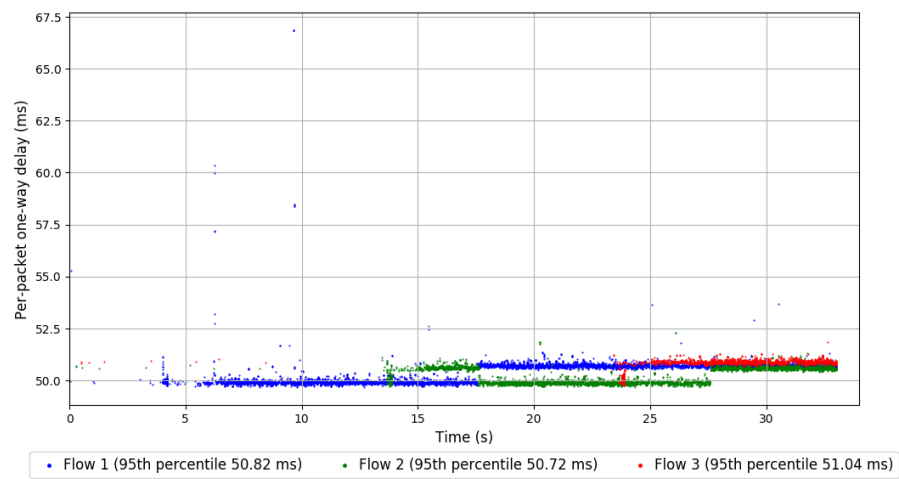
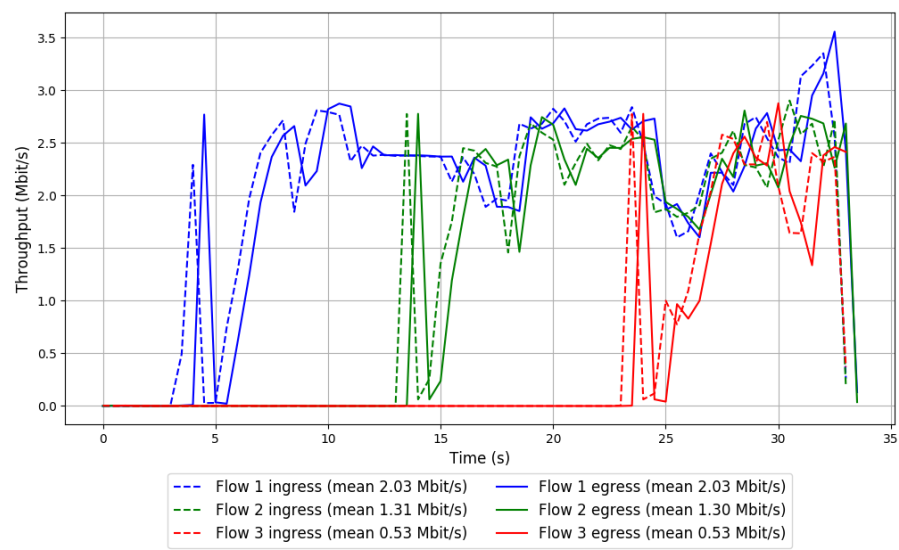
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.039 ms

Loss rate: 1.60%

Run 3: Report of WebRTC media — Data Link

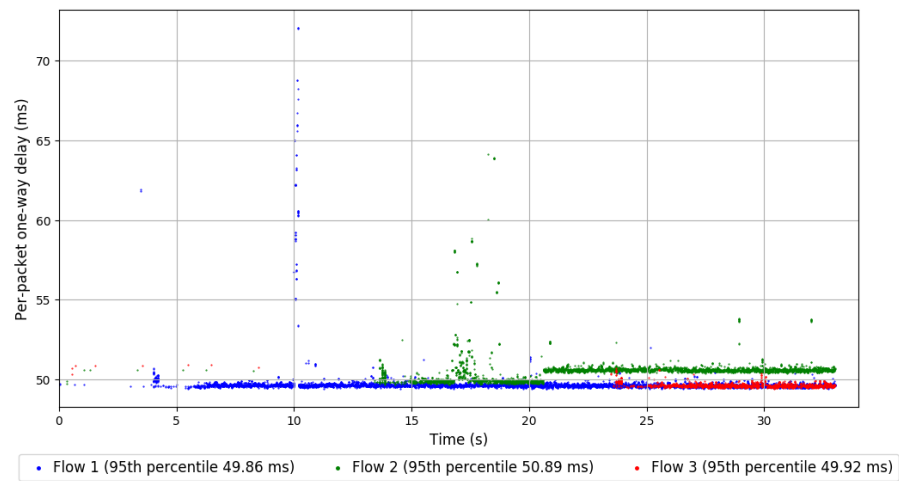
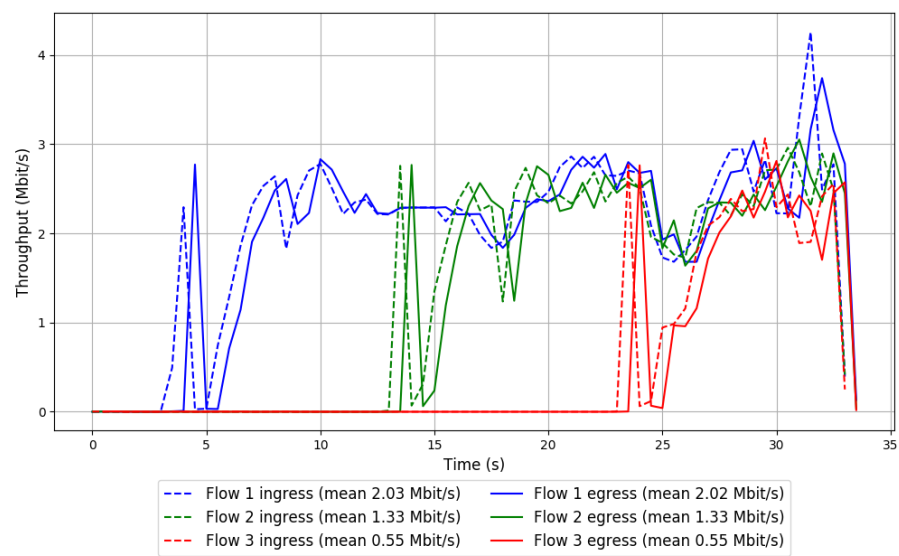


Run 4: Statistics of WebRTC media

Start at: 2018-07-06 08:36:07
End at: 2018-07-06 08:36:37
Local clock offset: -0.007 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-06 13:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 50.691 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 49.857 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 50.891 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 49.922 ms
Loss rate: 1.11%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-06 08:59:43

End at: 2018-07-06 09:00:13

Local clock offset: -0.152 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 50.886 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.767 ms

Loss rate: 0.59%

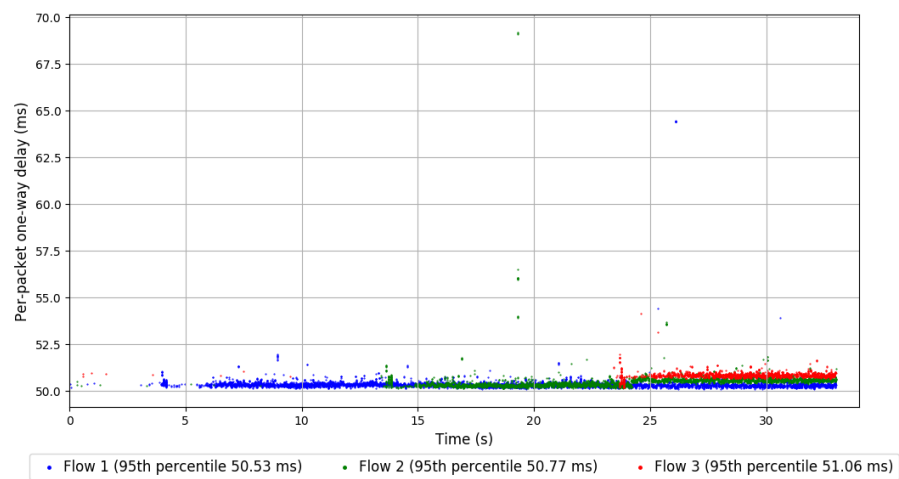
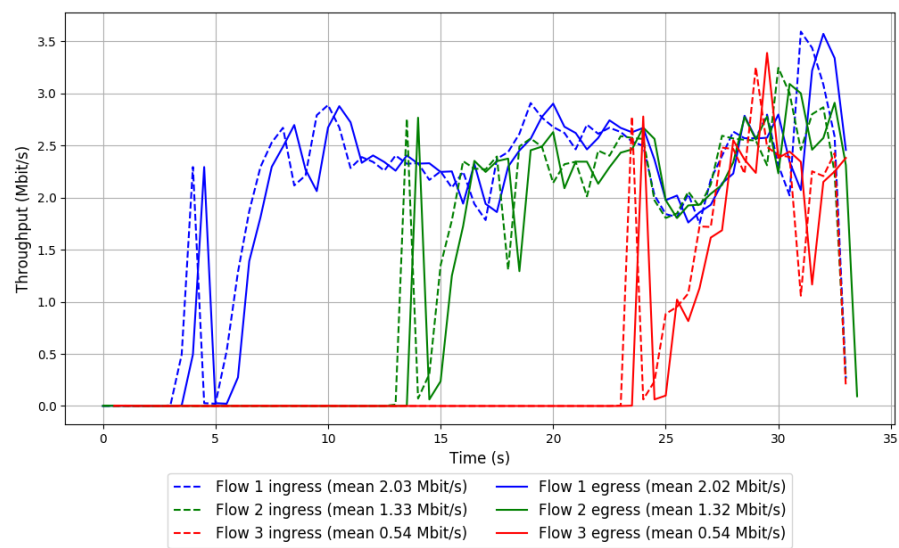
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 51.056 ms

Loss rate: 1.15%

Run 5: Report of WebRTC media — Data Link

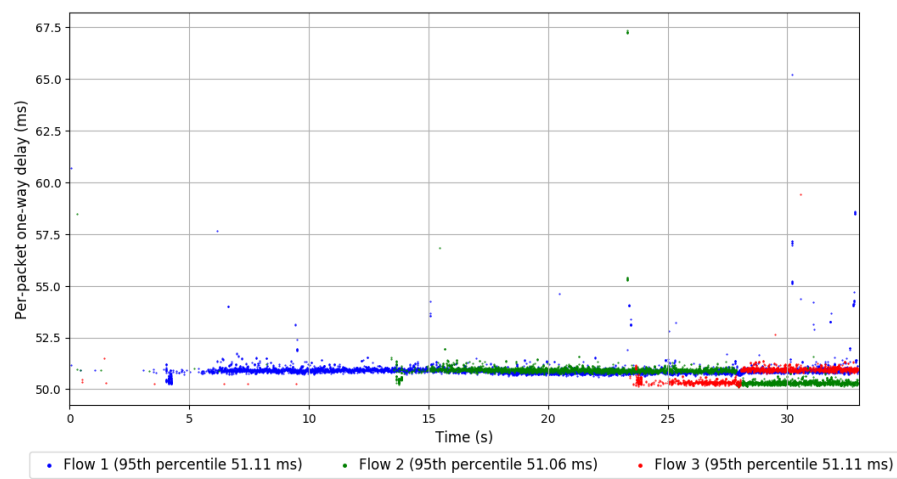
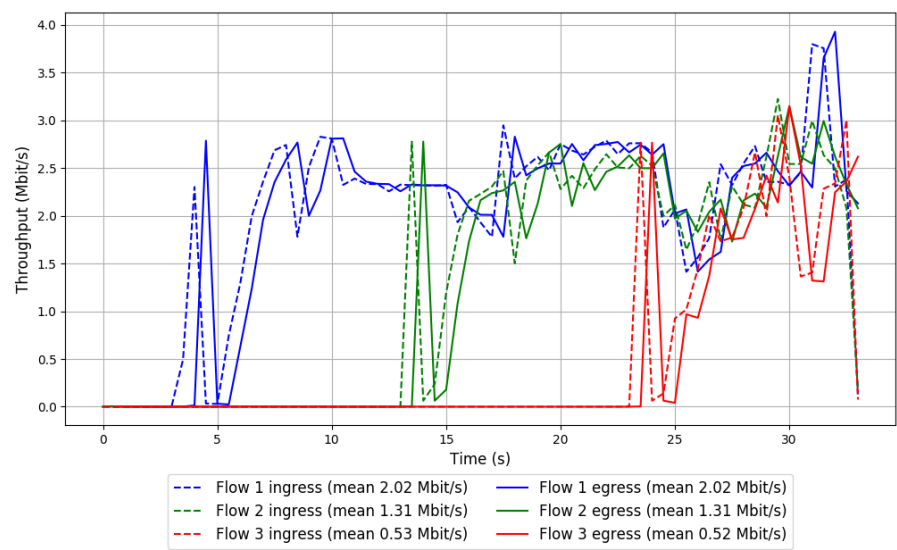


Run 6: Statistics of WebRTC media

Start at: 2018-07-06 09:23:39
End at: 2018-07-06 09:24:09
Local clock offset: -0.101 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-06 13:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 51.063 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 1.83%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-06 09:47:31

End at: 2018-07-06 09:48:01

Local clock offset: -0.093 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 50.929 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.809 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 49.861 ms

Loss rate: 0.56%

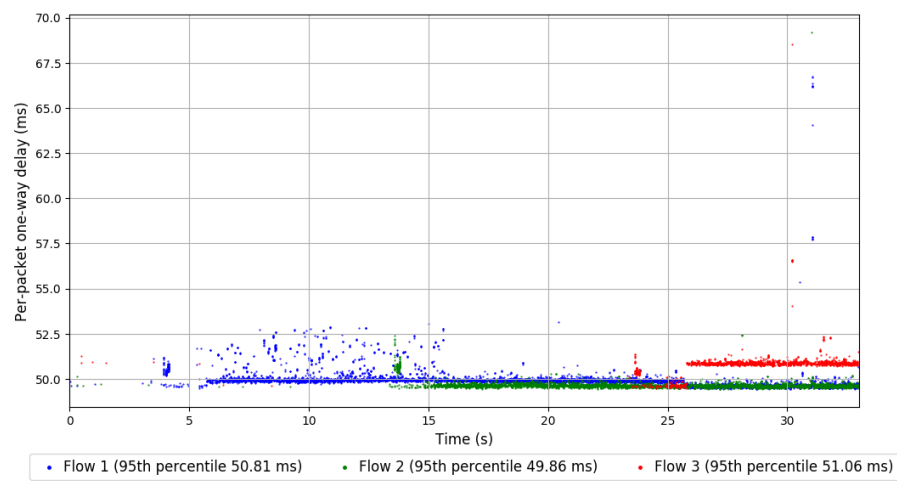
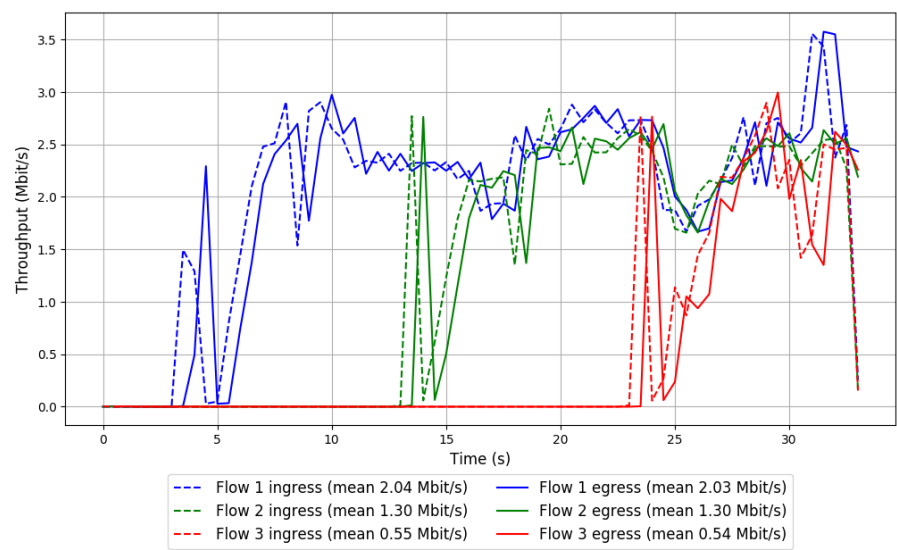
-- Flow 3:

Average throughput: 0.54 Mbit/s

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

Loss rate: 1.53%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-06 10:11:25

End at: 2018-07-06 10:11:55

Local clock offset: -0.173 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-06 13:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.911 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.813 ms

Loss rate: 0.49%

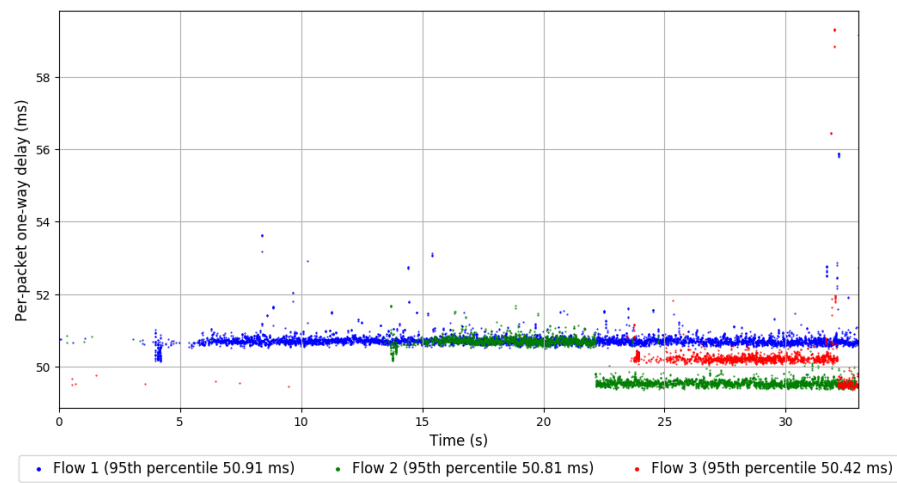
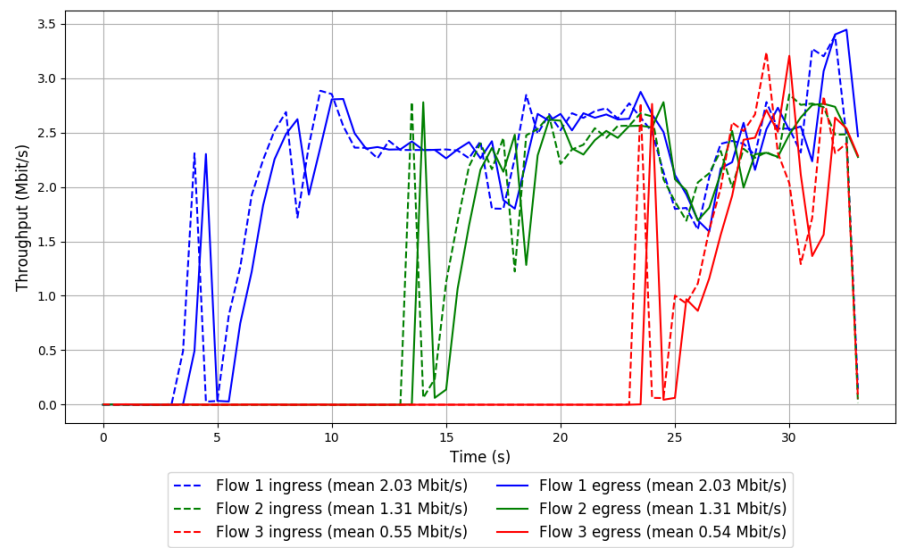
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.420 ms

Loss rate: 0.98%

Run 8: Report of WebRTC media — Data Link

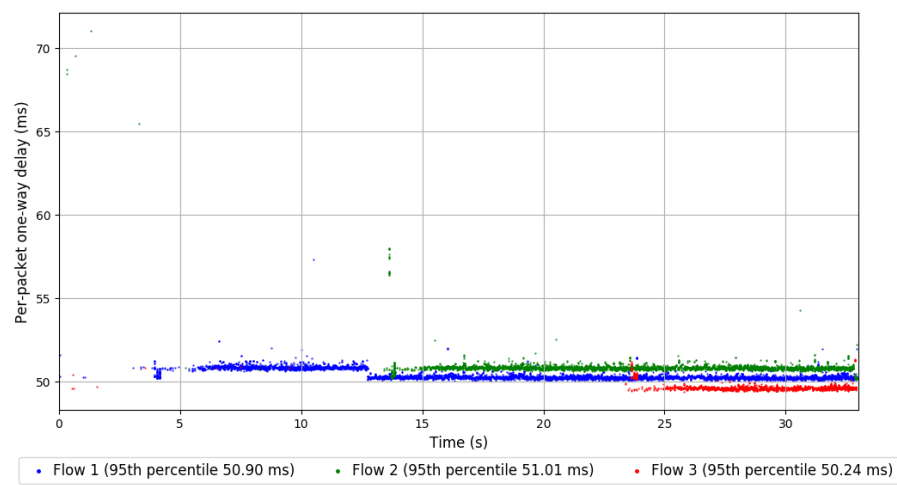
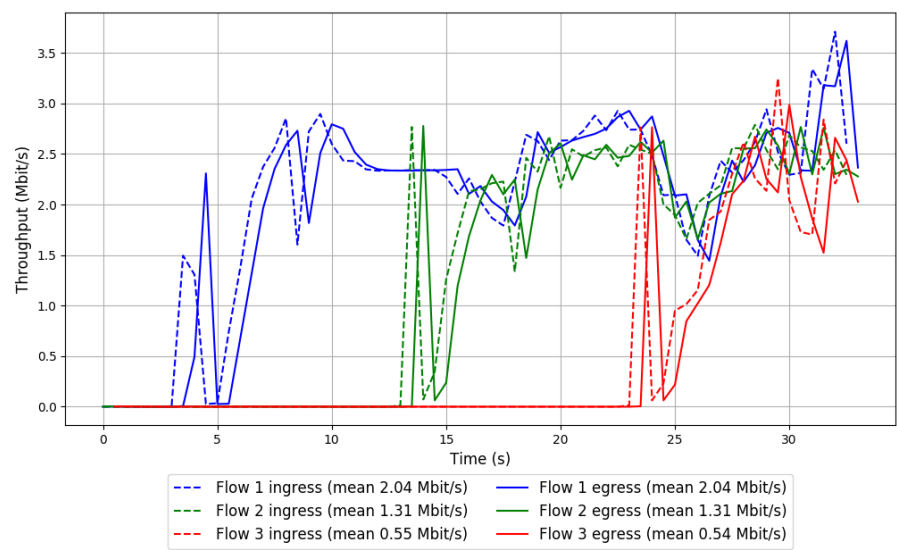


Run 9: Statistics of WebRTC media

Start at: 2018-07-06 10:35:04
End at: 2018-07-06 10:35:34
Local clock offset: -0.147 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-06 13:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 51.014 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.238 ms
Loss rate: 1.65%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-06 10:59:02
End at: 2018-07-06 10:59:32
Local clock offset: -0.107 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-06 13:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.984 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 52.543 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 51.049 ms
Loss rate: 1.57%

Run 10: Report of WebRTC media — Data Link

