

Pantheon Report

Generated at 2018-07-10 20:14:43 (UTC).

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

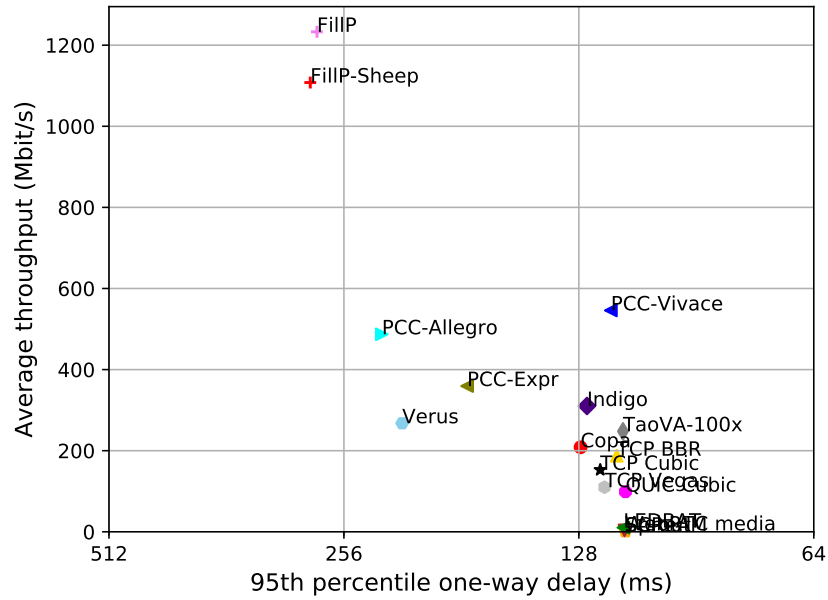
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

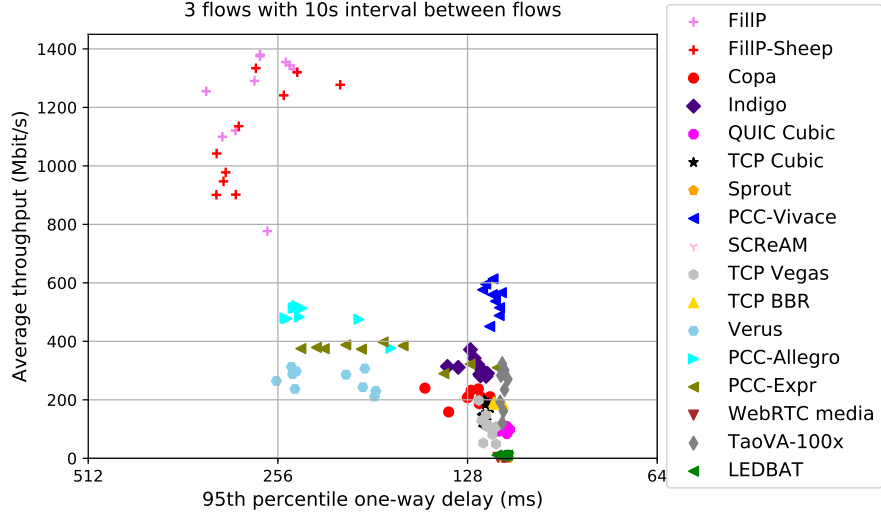
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
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 London to GCE Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	96.72	94.26	86.84	113.39	114.60	117.05	0.75	1.21	2.71
Copa	10	116.09	103.95	74.27	122.62	128.86	129.15	0.47	0.86	2.64
TCP Cubic	10	87.61	71.30	55.03	120.02	120.11	121.08	0.78	2.03	3.96
FillP	10	632.50	647.64	523.02	282.56	271.67	239.61	3.20	4.24	6.66
FillP-Sheep	10	492.46	655.02	558.04	292.29	263.02	206.52	4.74	4.04	4.99
Indigo	10	159.49	164.46	128.10	121.81	126.14	131.73	0.76	1.14	2.78
LEDBAT	10	6.85	4.30	2.02	112.24	112.33	112.06	1.54	2.39	4.65
PCC-Allegro	10	444.69	54.50	19.58	228.48	225.55	200.48	2.54	2.39	2.80
PCC-Expr	10	258.79	128.55	47.58	182.54	132.10	118.72	1.02	1.41	2.87
QUIC Cubic	10	53.62	50.17	36.80	111.32	111.20	110.97	1.04	1.55	1.16
SCReAM	10	0.20	0.22	0.21	111.50	110.79	111.12	0.71	1.24	2.12
Sprout	10	0.21	0.22	0.25	111.48	111.14	111.14	0.54	0.87	1.38
TaoVA-100x	10	160.94	101.02	61.57	112.09	112.74	114.07	0.46	1.94	2.75
TCP Vegas	10	57.83	47.45	63.53	117.77	117.77	118.16	0.78	1.49	2.79
Verus	10	160.81	126.96	70.60	205.32	214.72	237.36	1.52	2.70	7.40
PCC-Vivace	10	333.51	257.82	128.13	116.69	122.60	126.73	0.93	1.27	3.63
WebRTC media	10	1.88	1.18	0.39	111.09	111.69	111.10	1.07	1.49	3.75

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 13:21:54

End at: 2018-07-10 13:22:24

Local clock offset: -1.596 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-10 17:52:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.17 Mbit/s

95th percentile per-packet one-way delay: 114.024 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 111.930 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 114.665 ms

Loss rate: 1.26%

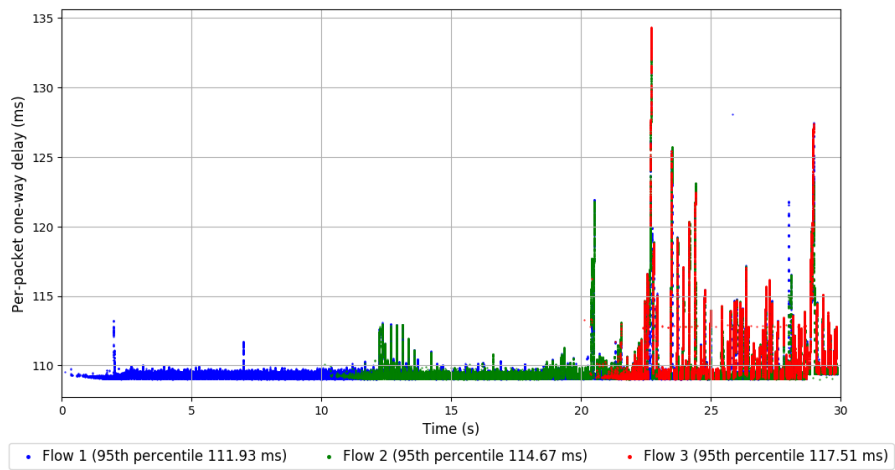
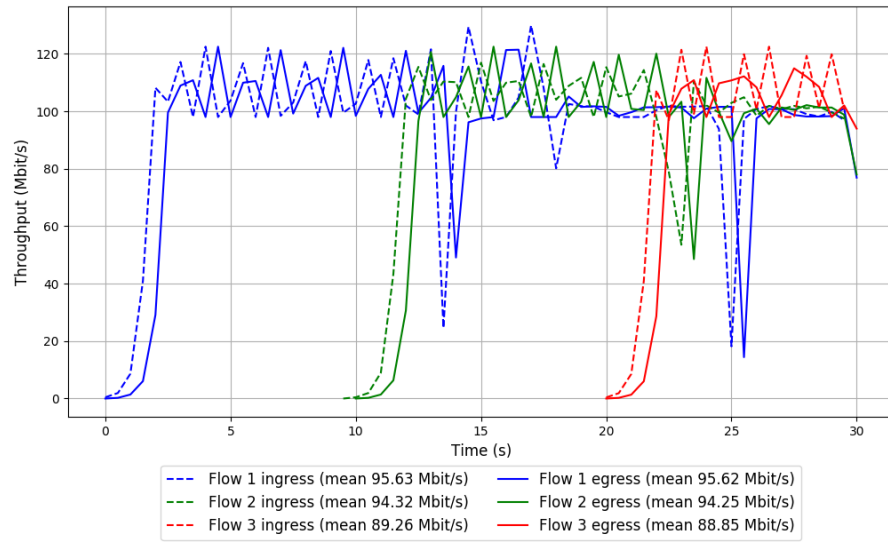
-- Flow 3:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 117.507 ms

Loss rate: 2.76%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 13:48:14

End at: 2018-07-10 13:48:44

Local clock offset: 1.093 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-10 17:52:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.69 Mbit/s

95th percentile per-packet one-way delay: 112.519 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 112.459 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 112.419 ms

Loss rate: 1.21%

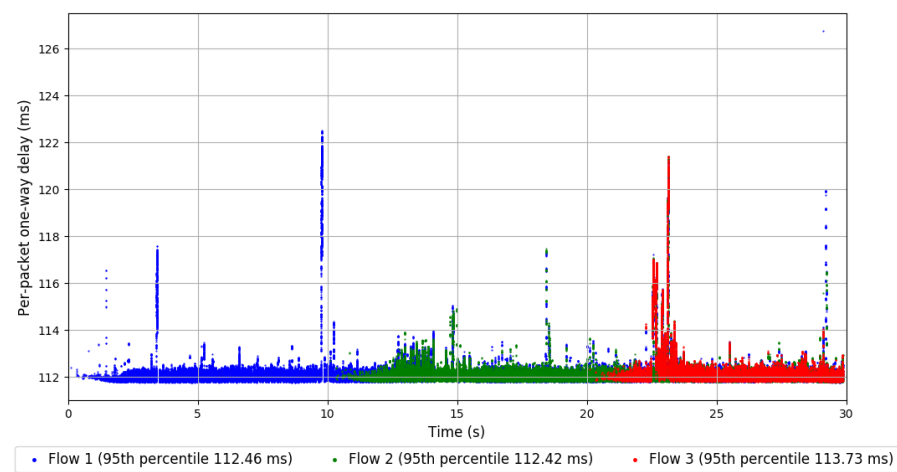
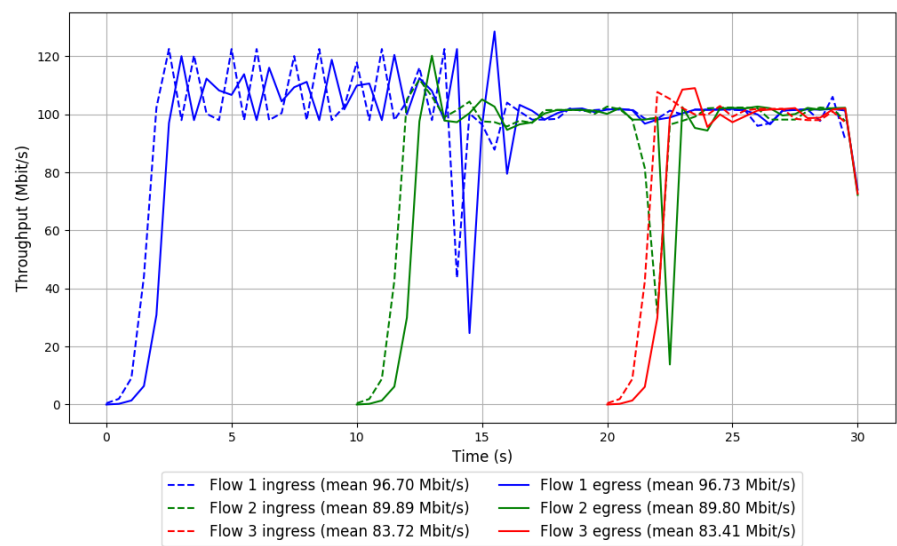
-- Flow 3:

Average throughput: 83.41 Mbit/s

95th percentile per-packet one-way delay: 113.732 ms

Loss rate: 2.59%

Run 2: Report of TCP BBR — Data Link

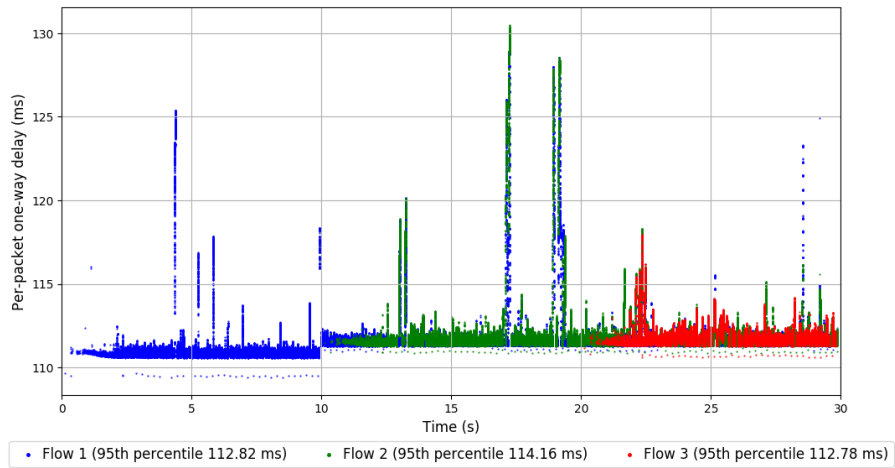
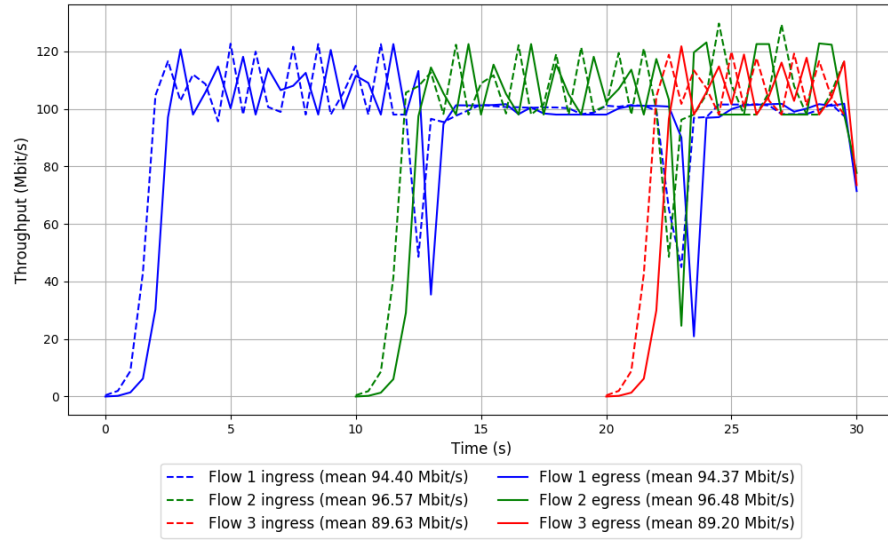


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 14:14:13
End at: 2018-07-10 14:14:43
Local clock offset: -0.183 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-10 17:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.40 Mbit/s
95th percentile per-packet one-way delay: 113.233 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 114.155 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 112.780 ms
Loss rate: 2.76%

Run 3: Report of TCP BBR — Data Link

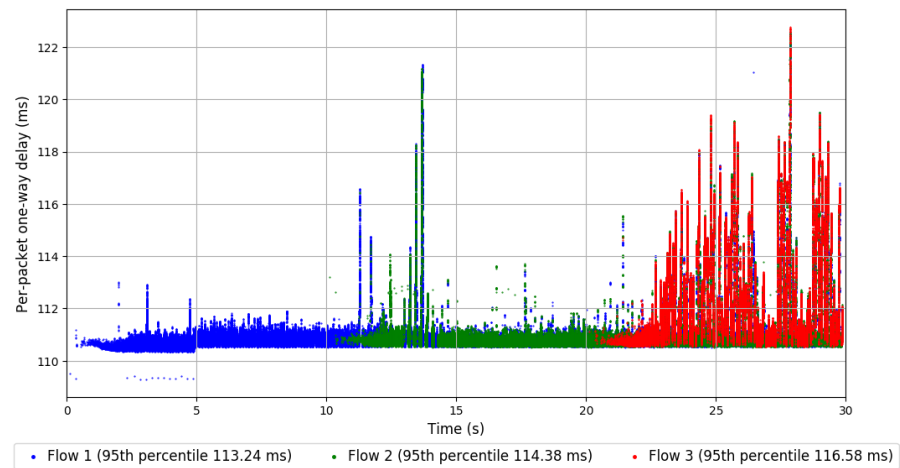
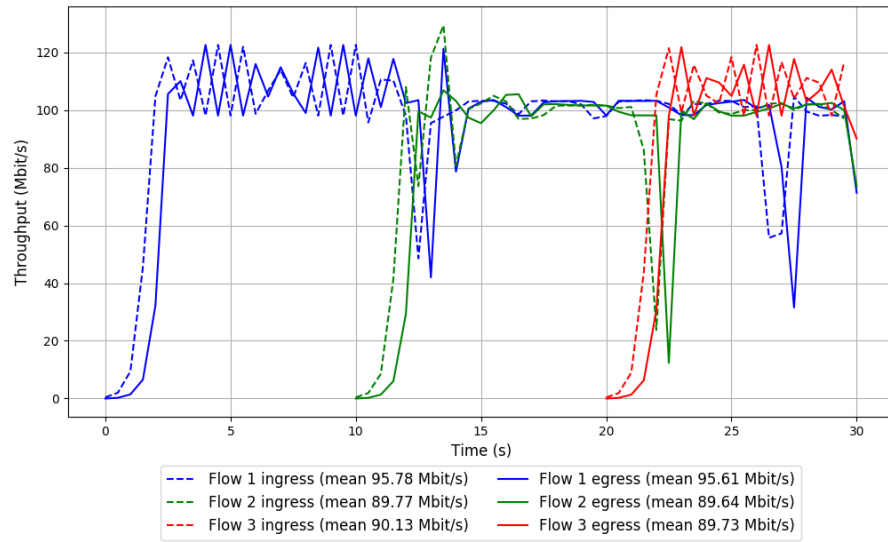


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 14:40:28
End at: 2018-07-10 14:40:58
Local clock offset: -0.216 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-10 17:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.41 Mbit/s
95th percentile per-packet one-way delay: 114.958 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 113.237 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 114.384 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 116.583 ms
Loss rate: 2.67%

Run 4: Report of TCP BBR — Data Link

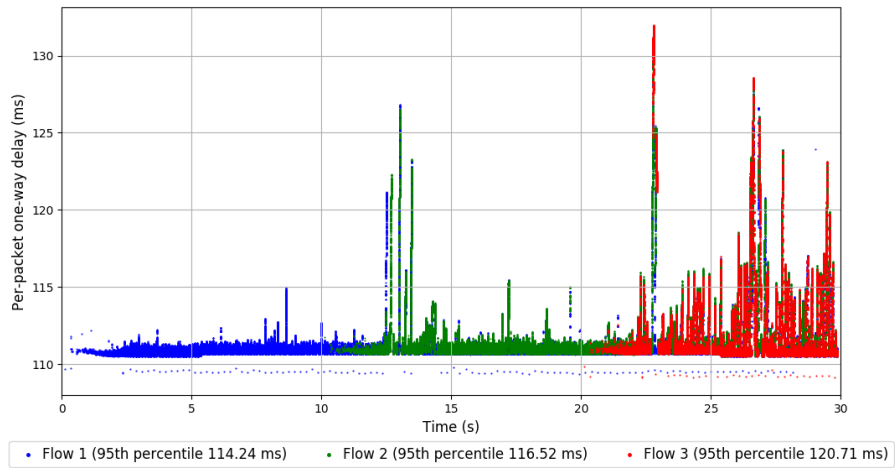
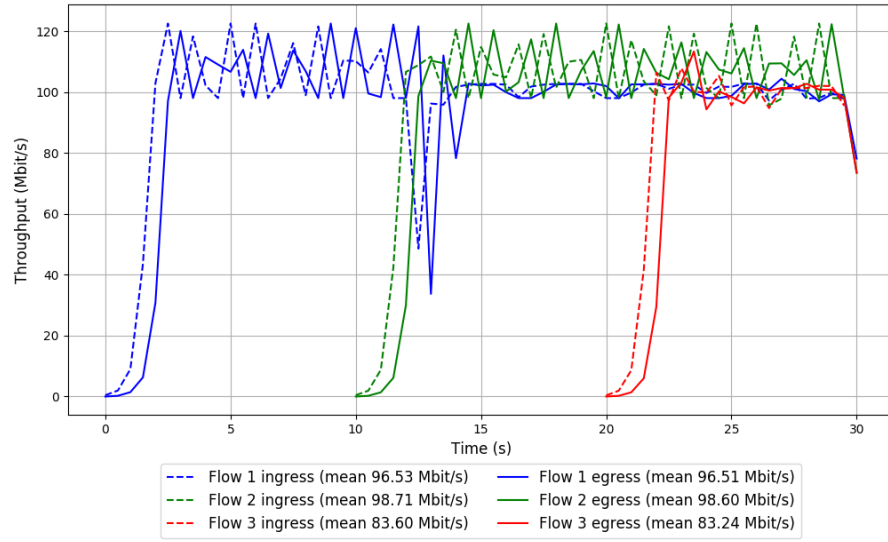


Run 5: Statistics of TCP BBR

Start at: 2018-07-10 15:06:38
End at: 2018-07-10 15:07:08
Local clock offset: -0.171 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-10 17:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.92 Mbit/s
95th percentile per-packet one-way delay: 115.765 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 114.238 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 98.60 Mbit/s
95th percentile per-packet one-way delay: 116.521 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 120.706 ms
Loss rate: 2.69%

Run 5: Report of TCP BBR — Data Link

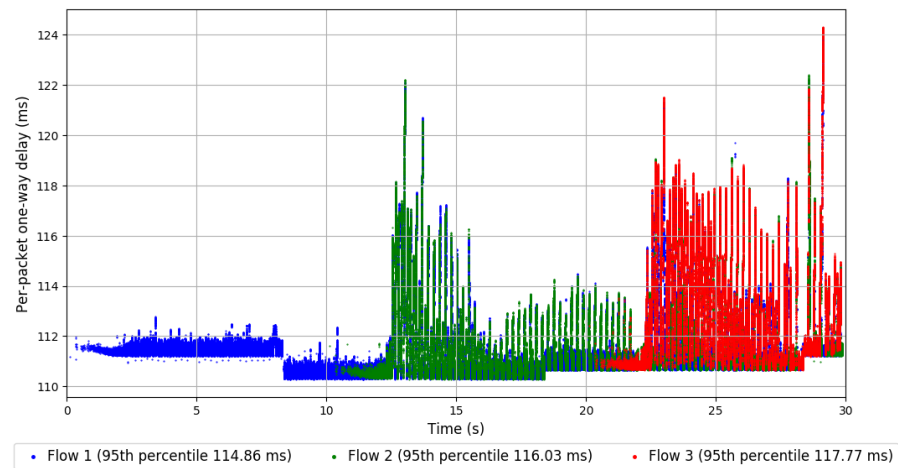
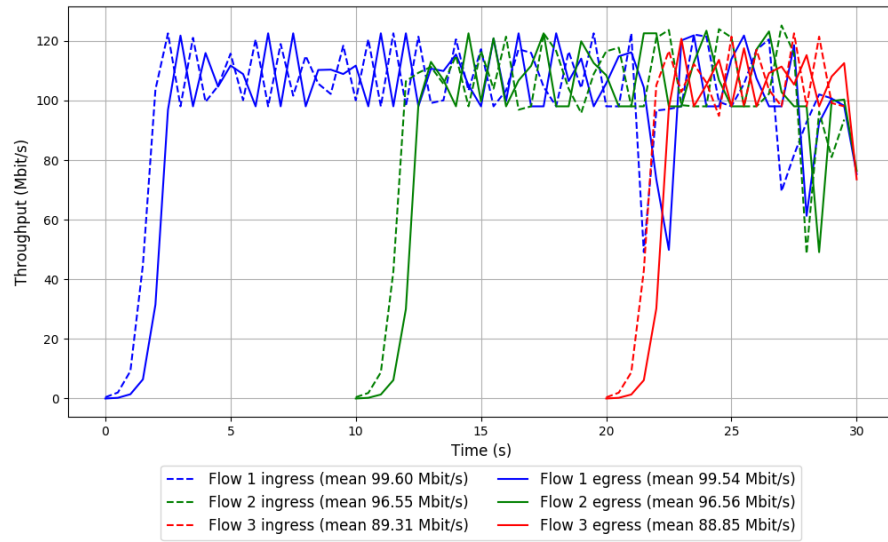


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 15:33:05
End at: 2018-07-10 15:33:35
Local clock offset: -0.055 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-10 17:52:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 116.283 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 114.856 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 116.034 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 117.765 ms
Loss rate: 2.77%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-10 15:59:36

End at: 2018-07-10 16:00:06

Local clock offset: -0.294 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-07-10 17:52:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.83 Mbit/s

95th percentile per-packet one-way delay: 113.051 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 98.84 Mbit/s

95th percentile per-packet one-way delay: 111.955 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 113.912 ms

Loss rate: 1.14%

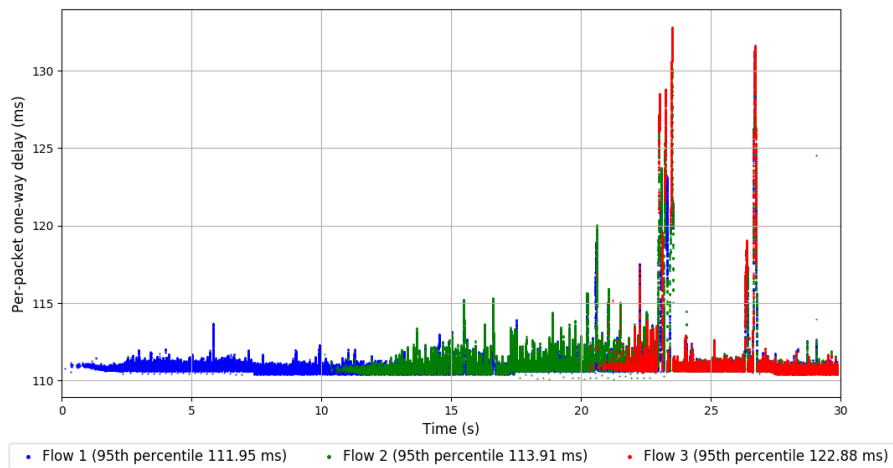
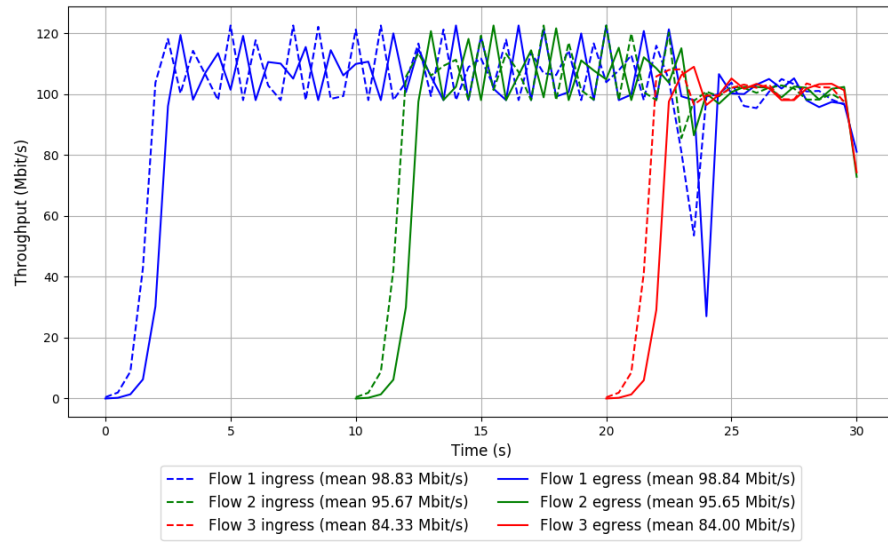
-- Flow 3:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 122.879 ms

Loss rate: 2.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

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

End at: 2018-07-10 16:26:28

Local clock offset: -0.276 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-07-10 17:52:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.97 Mbit/s

95th percentile per-packet one-way delay: 112.325 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 112.382 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 112.246 ms

Loss rate: 1.17%

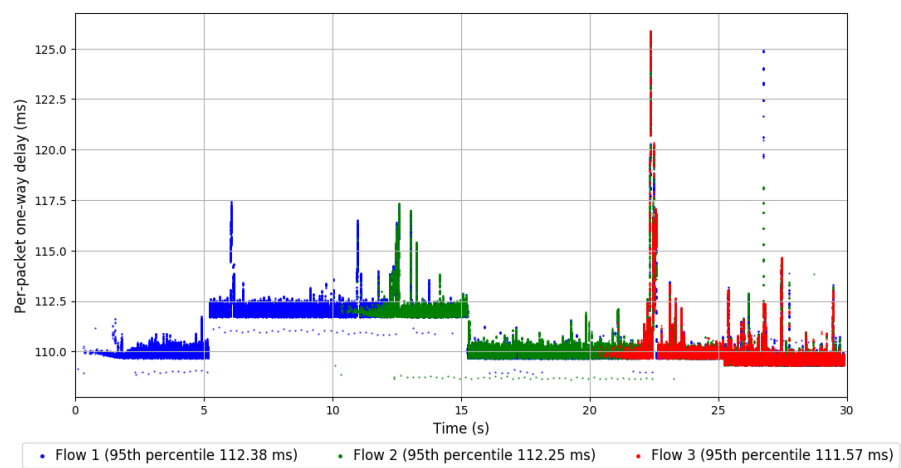
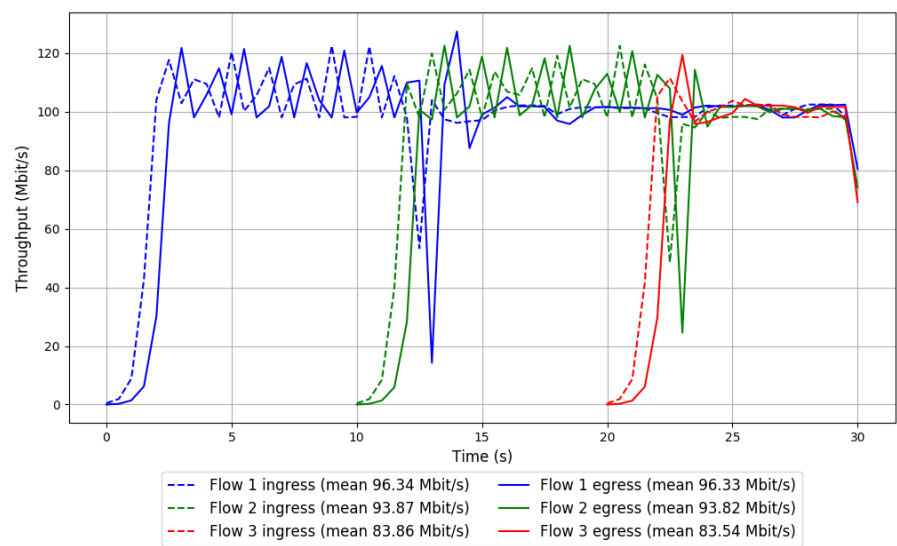
-- Flow 3:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 111.574 ms

Loss rate: 2.60%

Run 8: Report of TCP BBR — Data Link

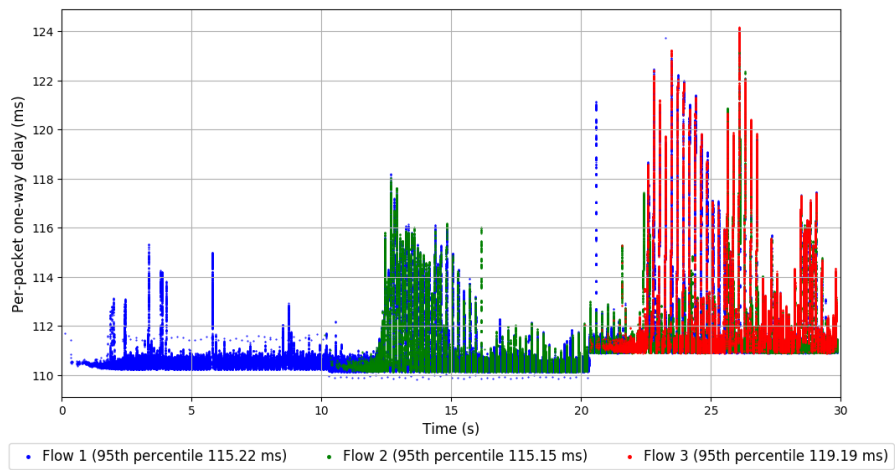
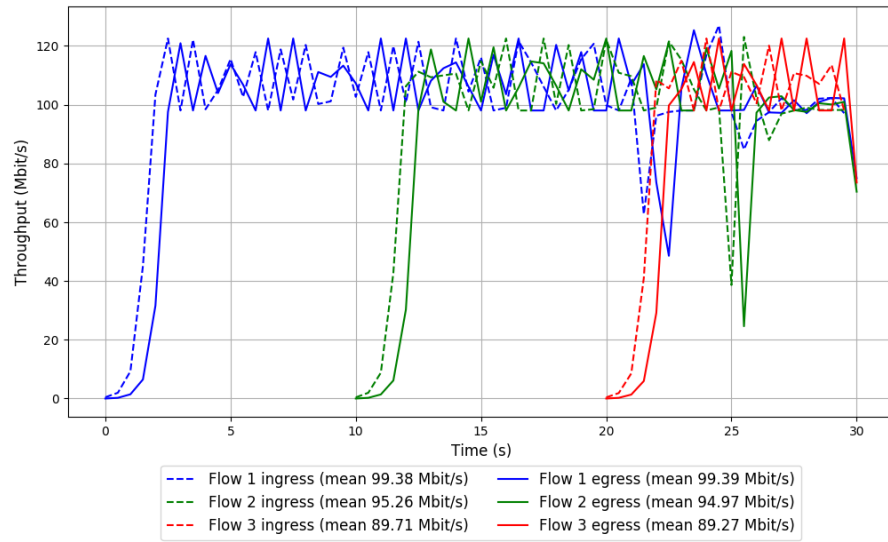


Run 9: Statistics of TCP BBR

Start at: 2018-07-10 16:52:23
End at: 2018-07-10 16:52:53
Local clock offset: -0.024 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-10 17:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 116.147 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 99.39 Mbit/s
95th percentile per-packet one-way delay: 115.219 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 115.146 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 119.189 ms
Loss rate: 2.76%

Run 9: Report of TCP BBR — Data Link

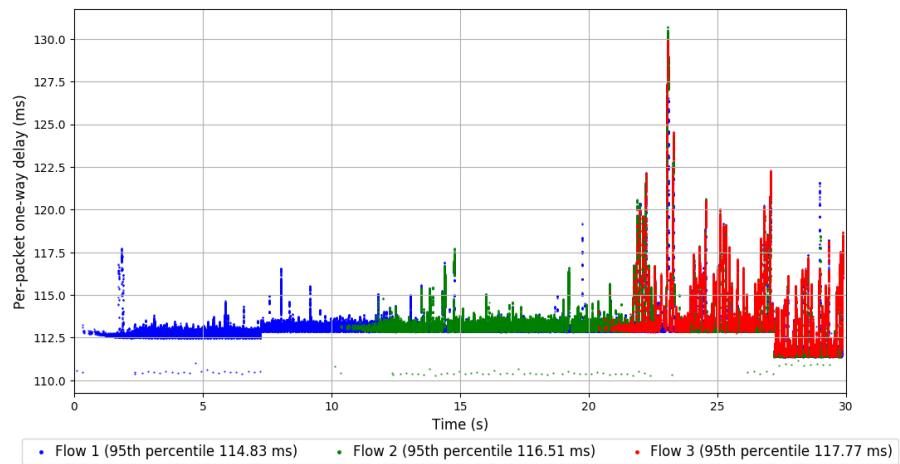
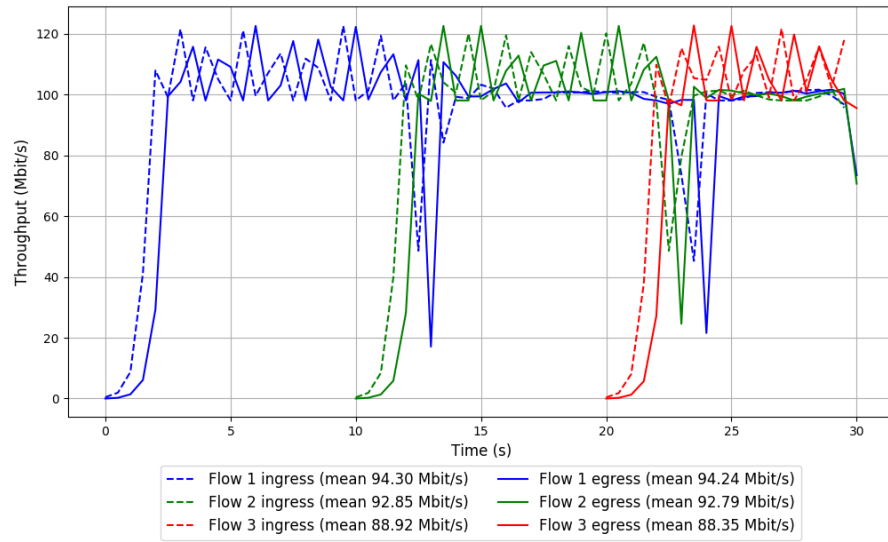


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 17:19:06
End at: 2018-07-10 17:19:36
Local clock offset: 0.086 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-10 17:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.74 Mbit/s
95th percentile per-packet one-way delay: 116.133 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 114.830 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 116.514 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 117.770 ms
Loss rate: 2.88%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-10 13:33:45

End at: 2018-07-10 13:34:15

Local clock offset: -1.327 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-07-10 17:57:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.98 Mbit/s

95th percentile per-packet one-way delay: 122.647 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 118.03 Mbit/s

95th percentile per-packet one-way delay: 121.201 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 127.975 ms

Loss rate: 1.47%

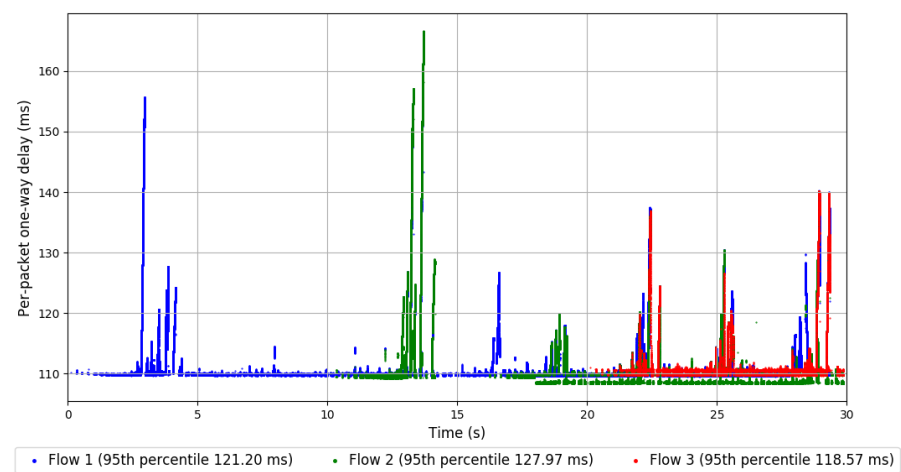
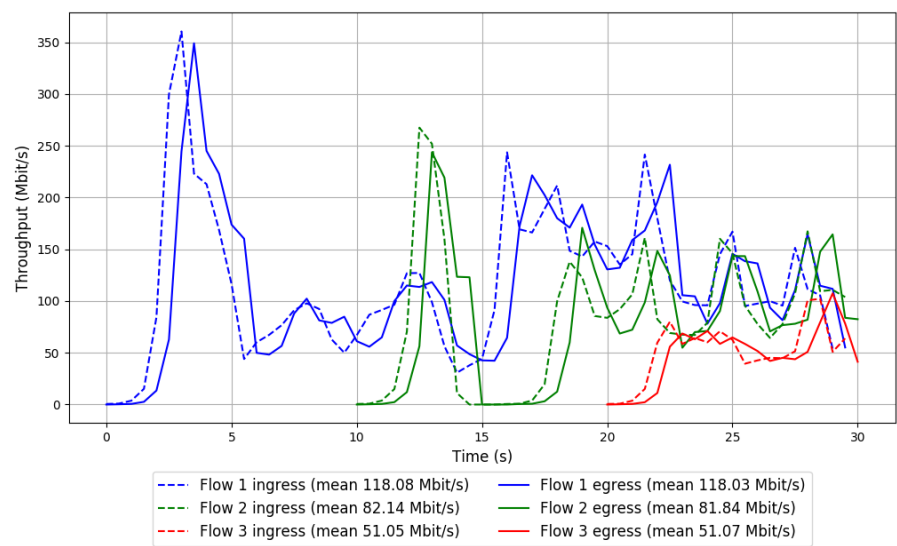
-- Flow 3:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 118.566 ms

Loss rate: 2.21%

Run 1: Report of Copa — Data Link

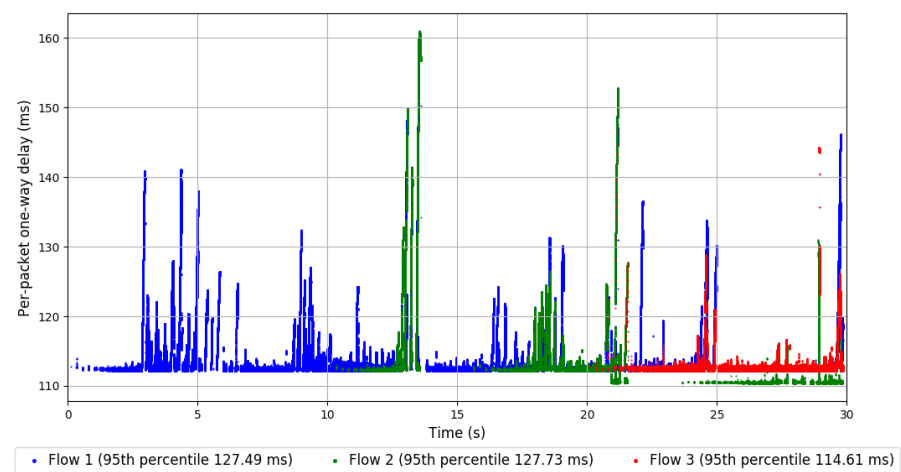
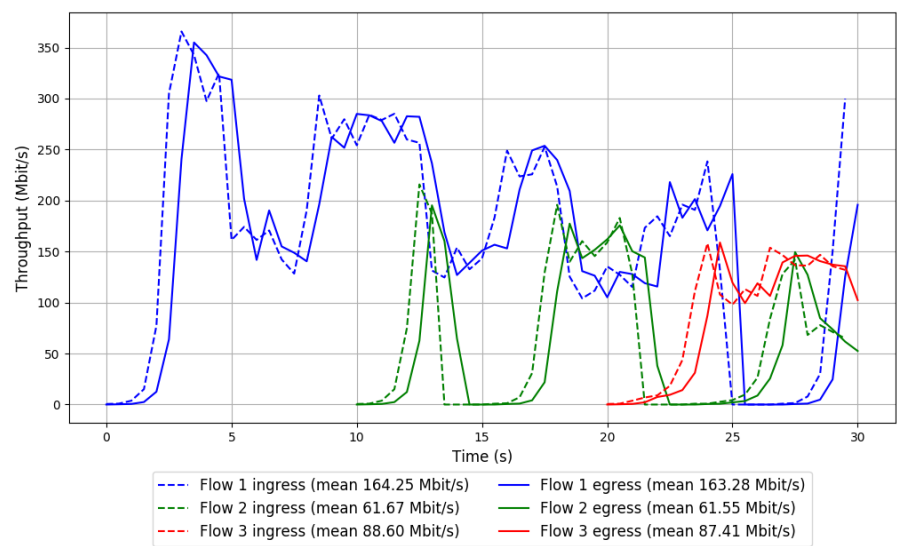


Run 2: Statistics of Copa

Start at: 2018-07-10 14:00:22
End at: 2018-07-10 14:00:52
Local clock offset: 1.073 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-10 17:59:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.64 Mbit/s
95th percentile per-packet one-way delay: 126.323 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 163.28 Mbit/s
95th percentile per-packet one-way delay: 127.487 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 127.727 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 114.614 ms
Loss rate: 3.54%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-10 14:26:18

End at: 2018-07-10 14:26:48

Local clock offset: -0.516 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 17:59:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.93 Mbit/s

95th percentile per-packet one-way delay: 121.764 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 134.96 Mbit/s

95th percentile per-packet one-way delay: 121.162 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 122.570 ms

Loss rate: 1.27%

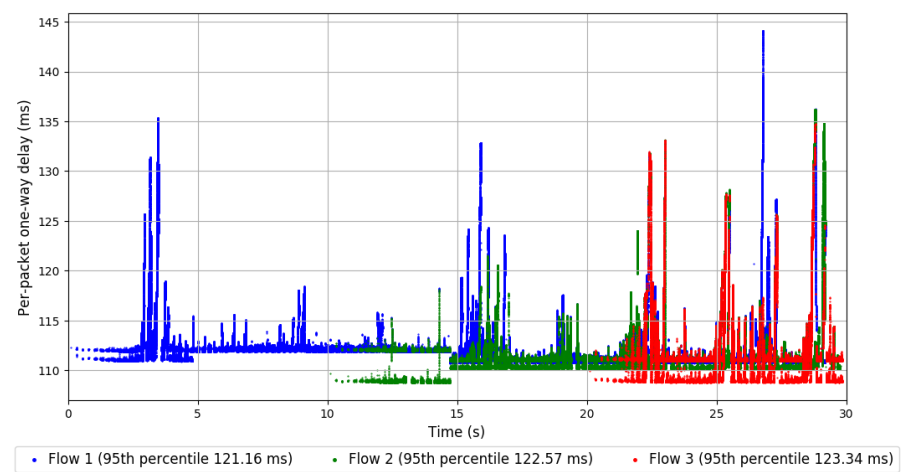
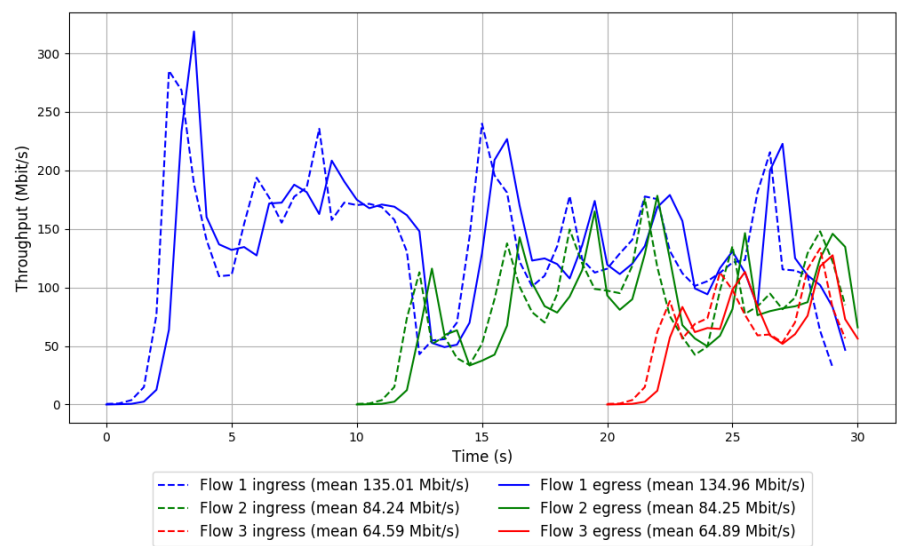
-- Flow 3:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 123.341 ms

Loss rate: 1.78%

Run 3: Report of Copa — Data Link

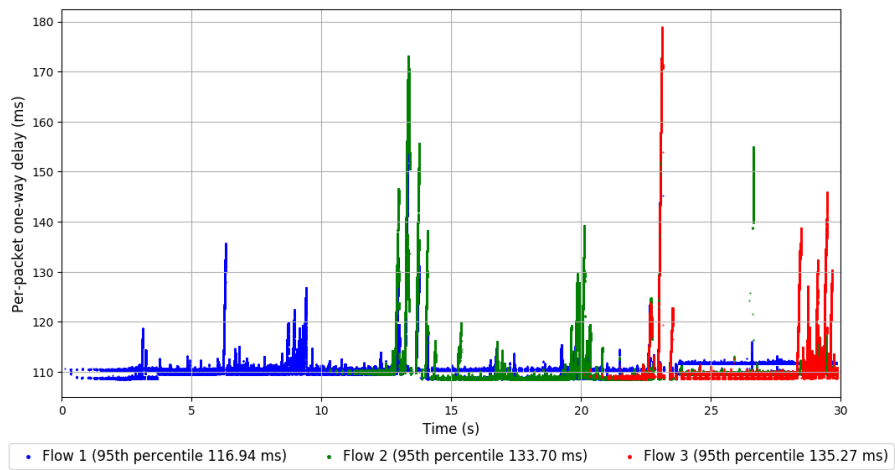
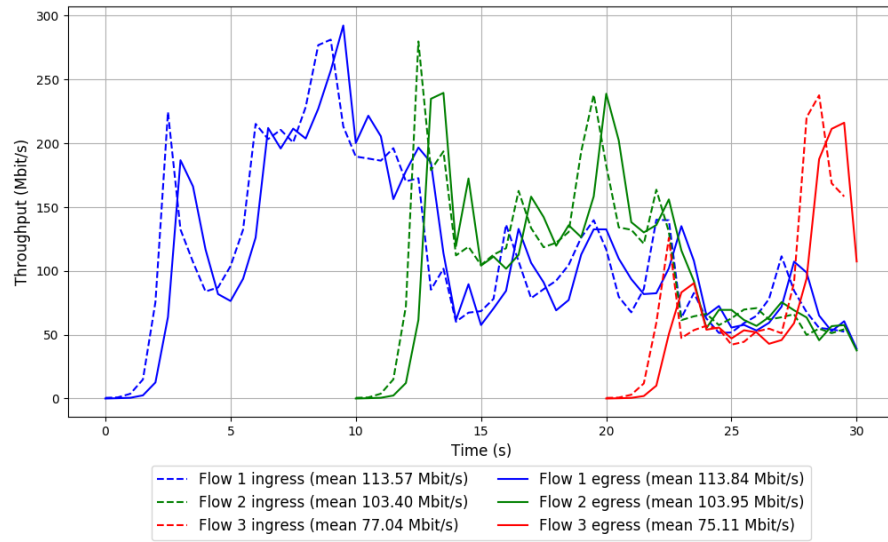


Run 4: Statistics of Copa

Start at: 2018-07-10 14:52:09
End at: 2018-07-10 14:52:39
Local clock offset: -1.321 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-10 17:59:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.41 Mbit/s
95th percentile per-packet one-way delay: 128.044 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 113.84 Mbit/s
95th percentile per-packet one-way delay: 116.943 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 103.95 Mbit/s
95th percentile per-packet one-way delay: 133.699 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 75.11 Mbit/s
95th percentile per-packet one-way delay: 135.272 ms
Loss rate: 4.68%

Run 4: Report of Copa — Data Link

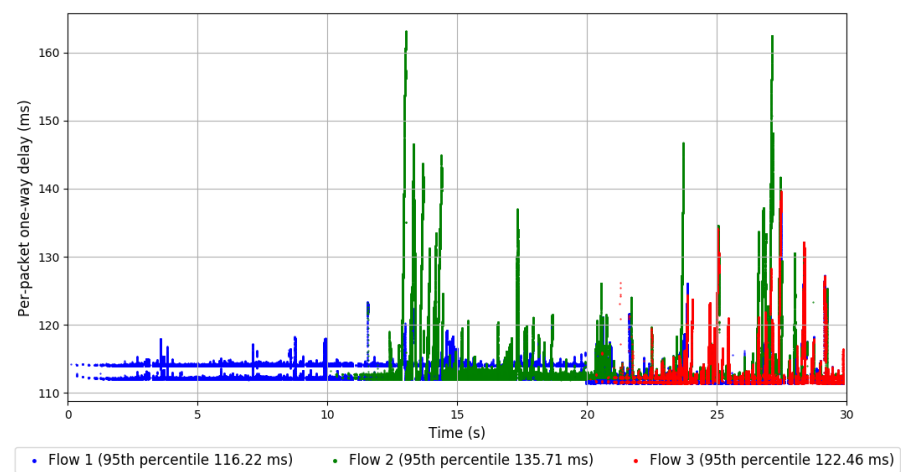
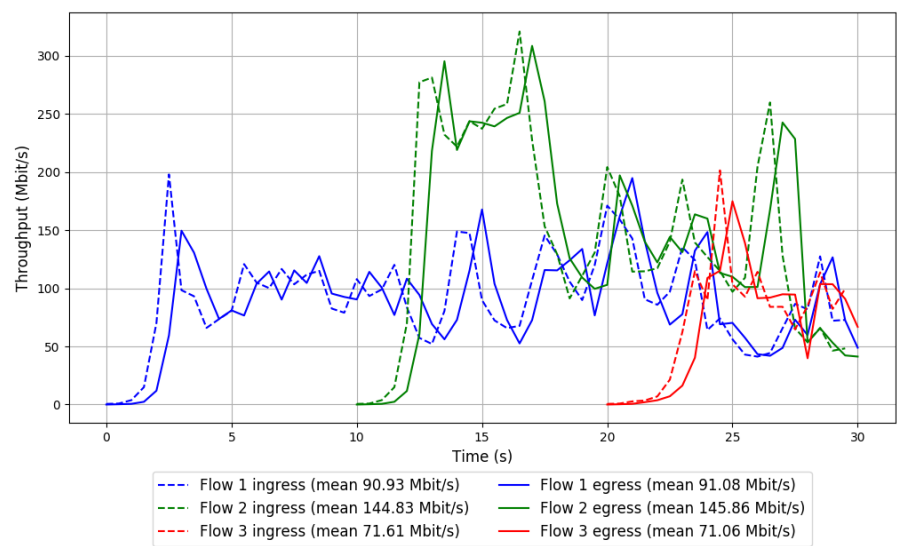


Run 5: Statistics of Copa

Start at: 2018-07-10 15:18:33
End at: 2018-07-10 15:19:03
Local clock offset: 1.188 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-10 17:59:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.13 Mbit/s
95th percentile per-packet one-way delay: 127.619 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 116.215 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 145.86 Mbit/s
95th percentile per-packet one-way delay: 135.711 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 122.464 ms
Loss rate: 2.98%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-10 15:45:07

End at: 2018-07-10 15:45:37

Local clock offset: -1.341 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-07-10 17:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.88 Mbit/s

95th percentile per-packet one-way delay: 149.557 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 125.50 Mbit/s

95th percentile per-packet one-way delay: 145.410 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 147.32 Mbit/s

95th percentile per-packet one-way delay: 156.933 ms

Loss rate: 0.68%

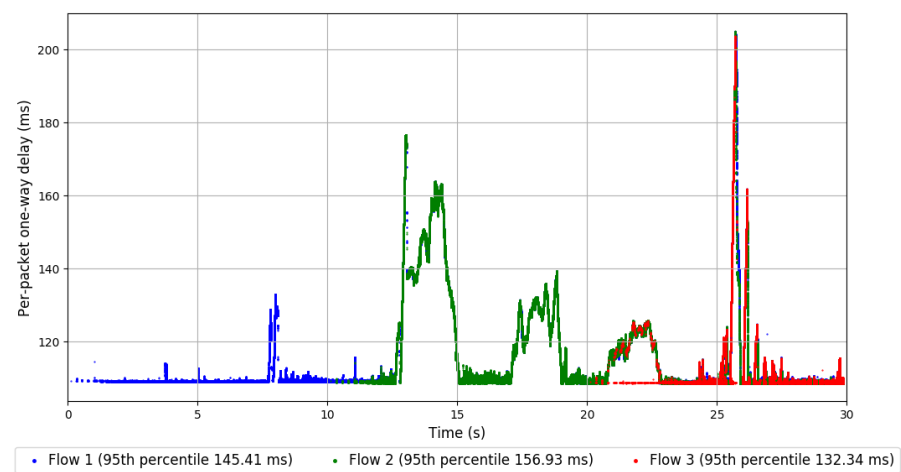
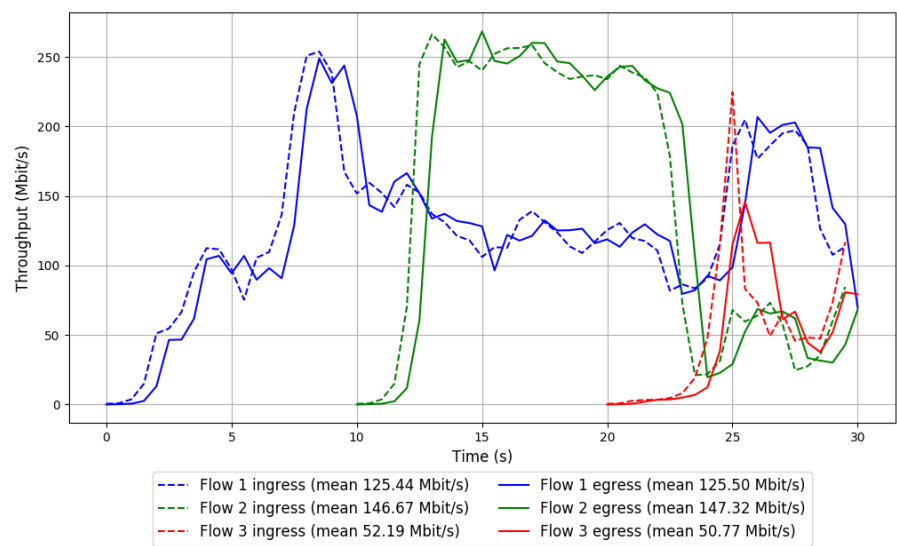
-- Flow 3:

Average throughput: 50.77 Mbit/s

95th percentile per-packet one-way delay: 132.335 ms

Loss rate: 4.26%

Run 6: Report of Copa — Data Link

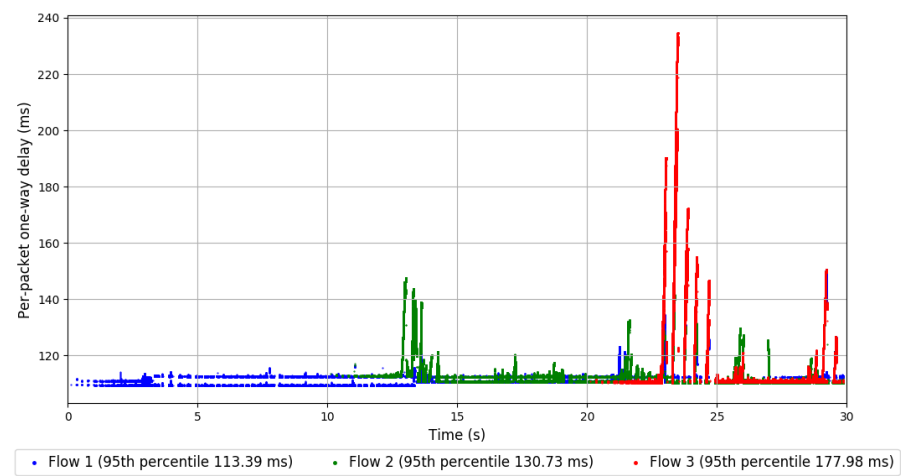
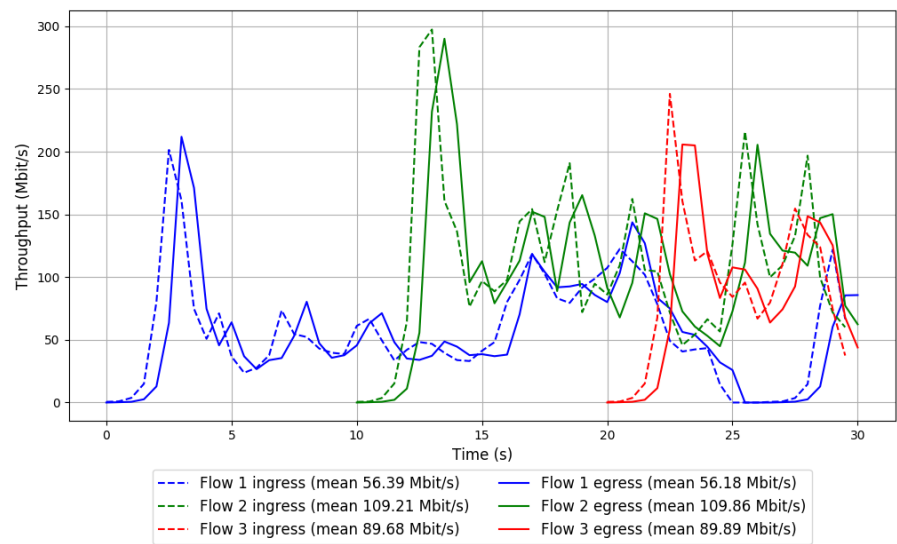


Run 7: Statistics of Copa

Start at: 2018-07-10 16:11:40
End at: 2018-07-10 16:12:10
Local clock offset: 0.143 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-10 17:59:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.47 Mbit/s
95th percentile per-packet one-way delay: 137.138 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 109.86 Mbit/s
95th percentile per-packet one-way delay: 130.726 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 177.980 ms
Loss rate: 1.99%

Run 7: Report of Copa — Data Link

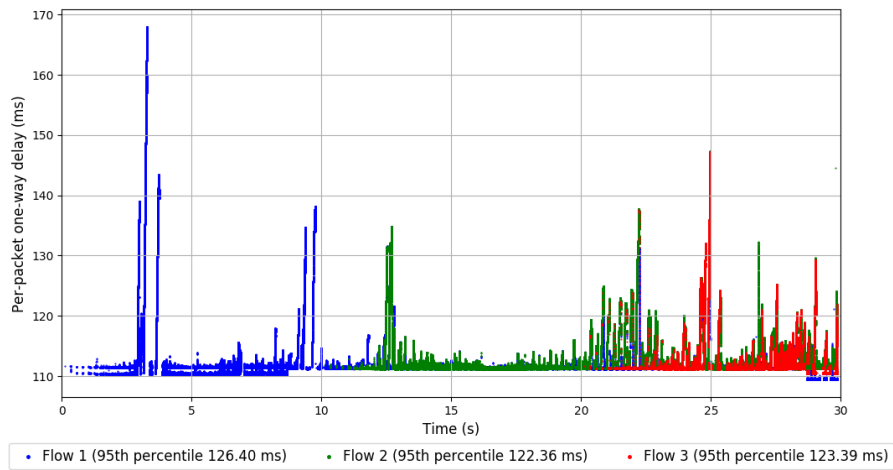
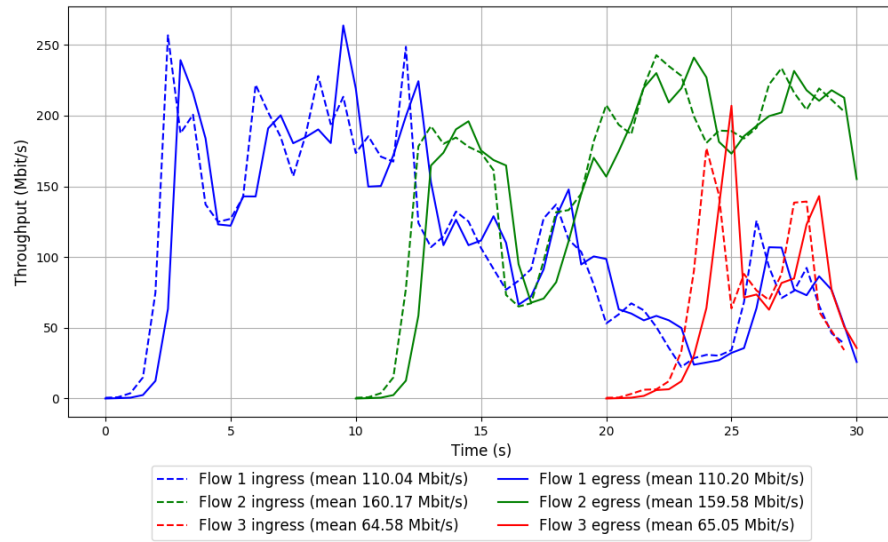


Run 8: Statistics of Copa

Start at: 2018-07-10 16:37:54
End at: 2018-07-10 16:38:24
Local clock offset: 0.315 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-10 18:02:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.42 Mbit/s
95th percentile per-packet one-way delay: 123.037 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 110.20 Mbit/s
95th percentile per-packet one-way delay: 126.397 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 159.58 Mbit/s
95th percentile per-packet one-way delay: 122.356 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 123.387 ms
Loss rate: 1.05%

Run 8: Report of Copa — Data Link

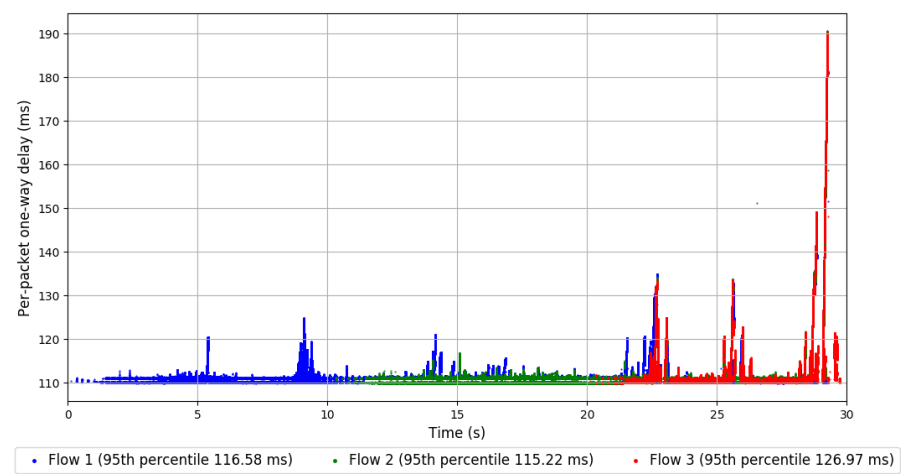
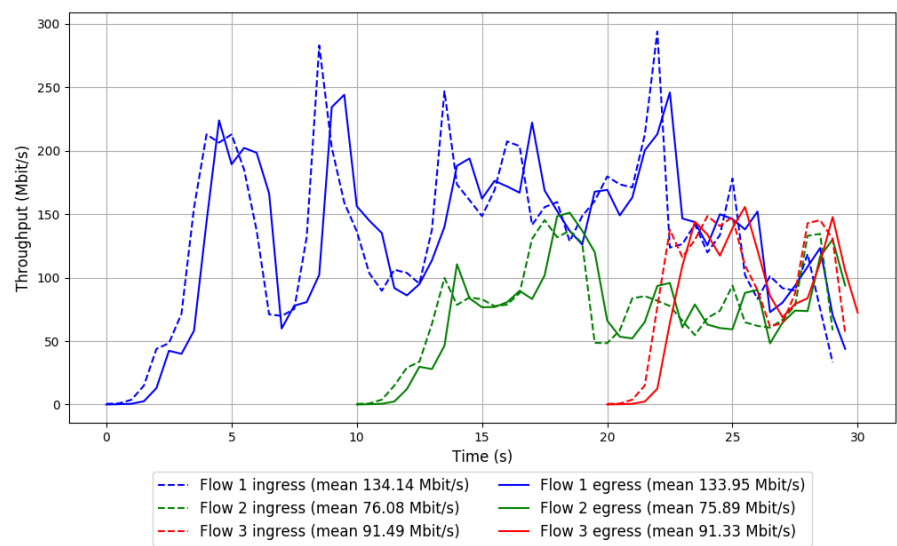


Run 9: Statistics of Copa

Start at: 2018-07-10 17:04:32
End at: 2018-07-10 17:05:02
Local clock offset: -0.215 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-10 18:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.46 Mbit/s
95th percentile per-packet one-way delay: 117.897 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 133.95 Mbit/s
95th percentile per-packet one-way delay: 116.585 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 115.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 126.965 ms
Loss rate: 2.76%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-10 17:31:06

End at: 2018-07-10 17:31:36

Local clock offset: -0.126 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-07-10 18:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.23 Mbit/s

95th percentile per-packet one-way delay: 119.505 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 113.85 Mbit/s

95th percentile per-packet one-way delay: 121.381 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 69.40 Mbit/s

95th percentile per-packet one-way delay: 115.685 ms

Loss rate: 0.84%

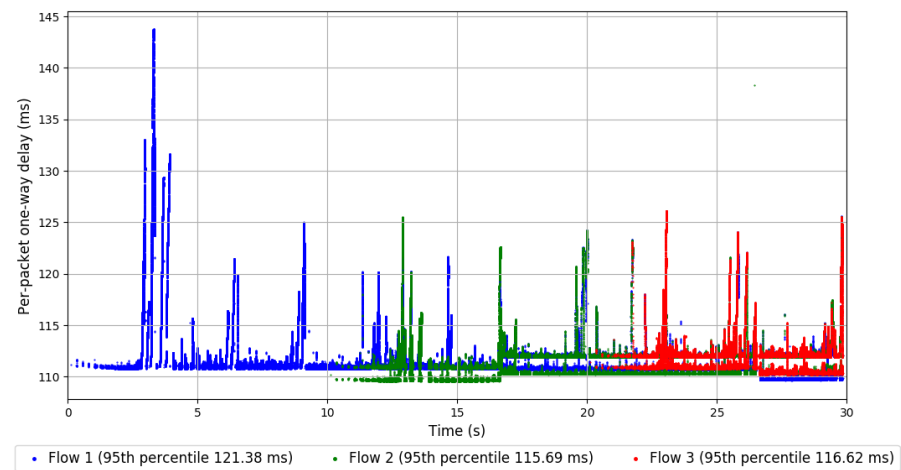
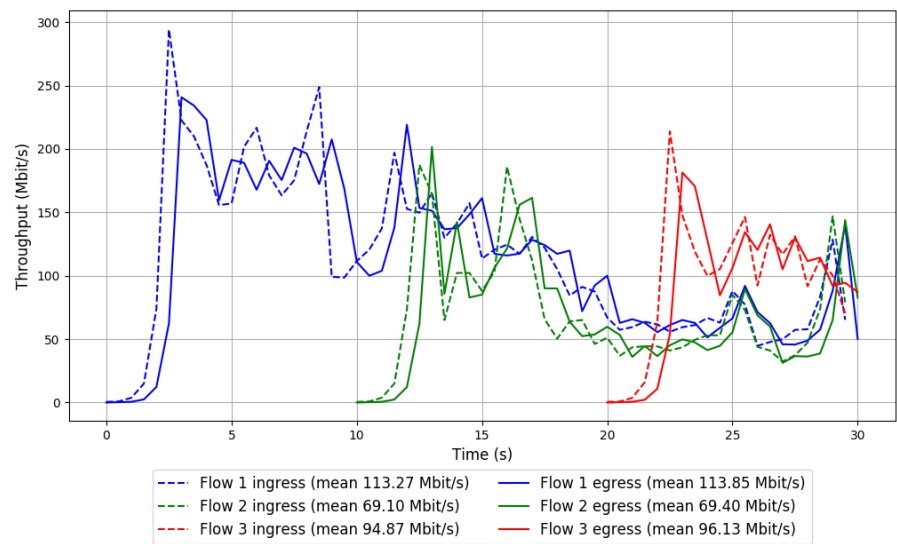
-- Flow 3:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 116.625 ms

Loss rate: 1.16%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 13:13:26

End at: 2018-07-10 13:13:56

Local clock offset: -0.081 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-10 18:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.77 Mbit/s

95th percentile per-packet one-way delay: 121.396 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 102.98 Mbit/s

95th percentile per-packet one-way delay: 121.276 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 121.985 ms

Loss rate: 1.48%

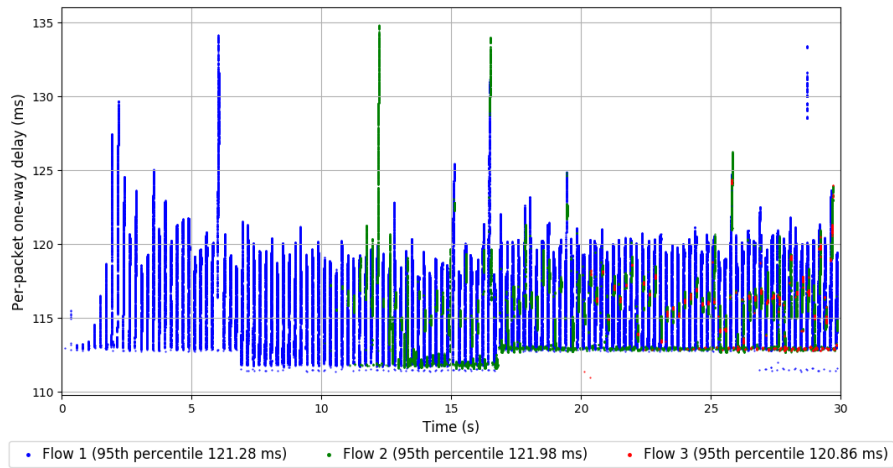
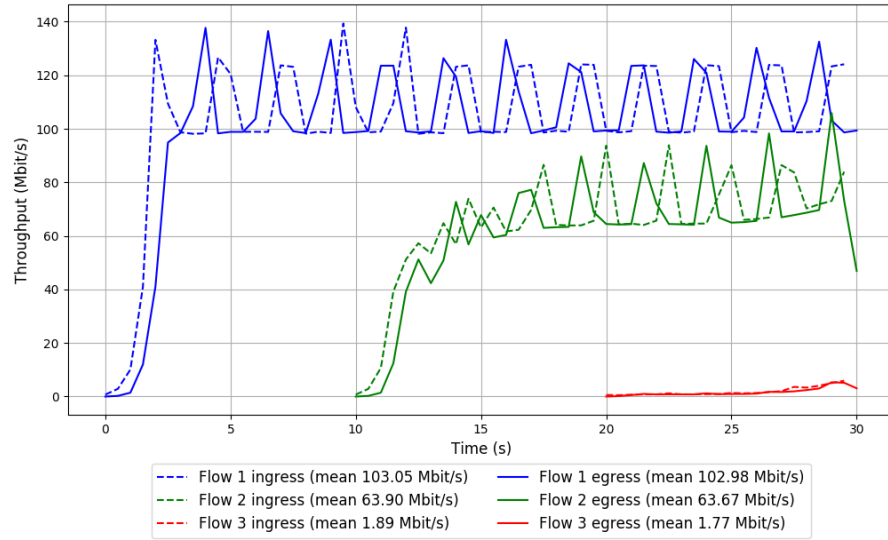
-- Flow 3:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 120.856 ms

Loss rate: 8.38%

Run 1: Report of TCP Cubic — Data Link

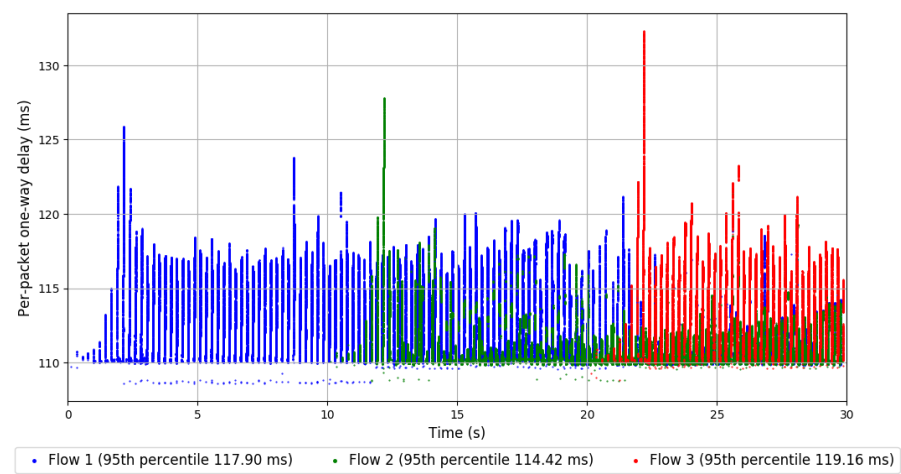
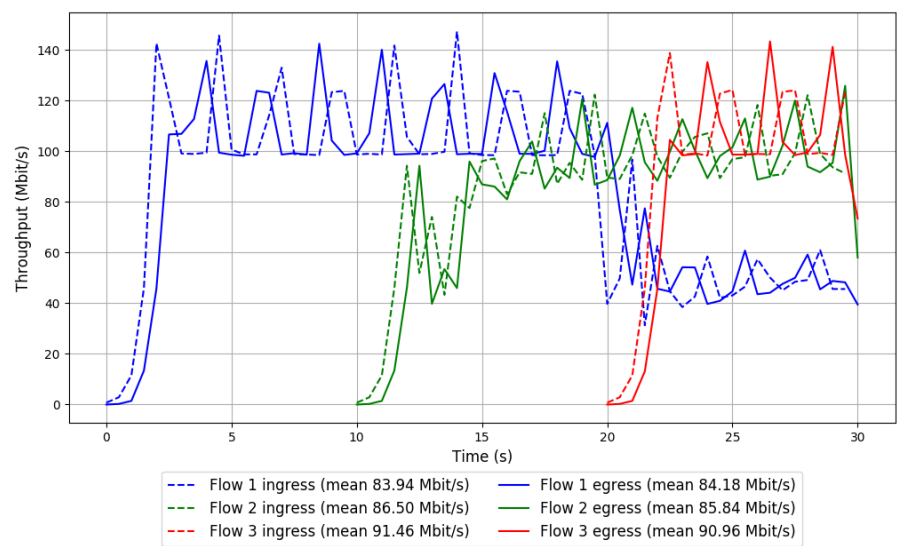


Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 13:39:41
End at: 2018-07-10 13:40:11
Local clock offset: -1.486 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-10 18:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.85 Mbit/s
95th percentile per-packet one-way delay: 117.777 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 117.896 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 114.424 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 119.158 ms
Loss rate: 2.75%

Run 2: Report of TCP Cubic — Data Link

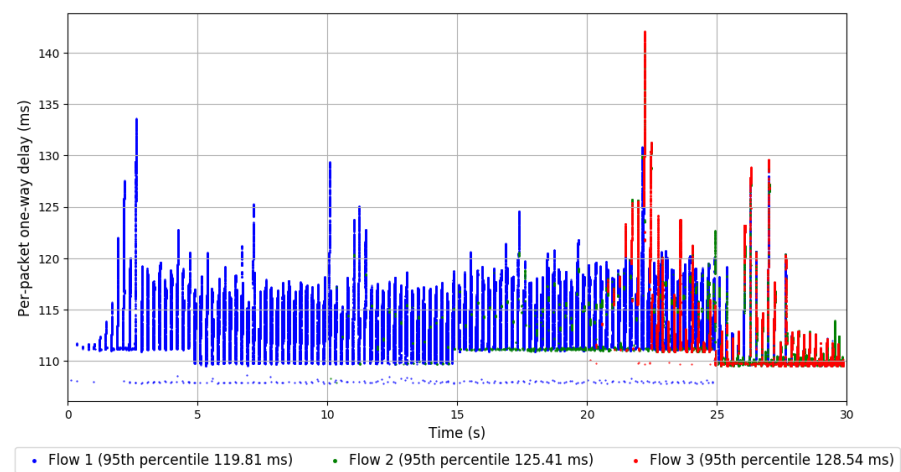
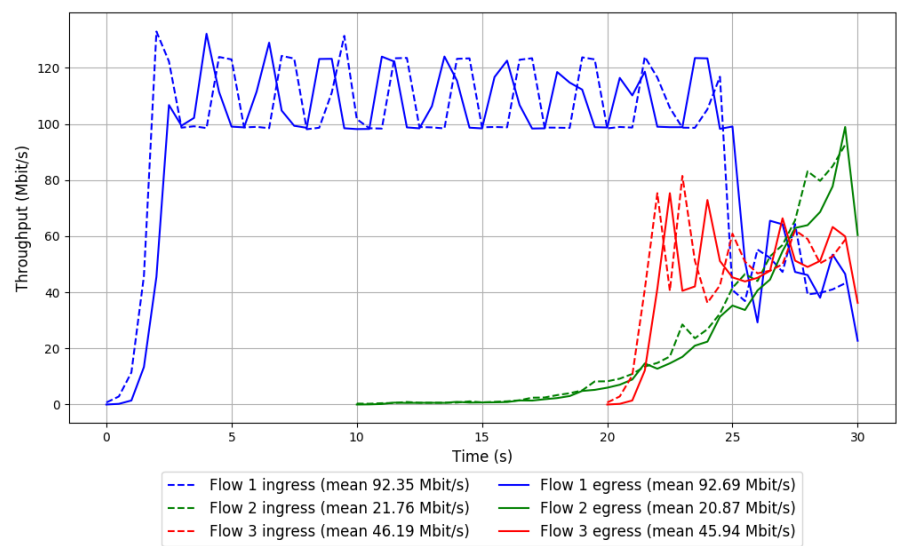


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 14:06:18
End at: 2018-07-10 14:06:48
Local clock offset: -1.502 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 18:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.60 Mbit/s
95th percentile per-packet one-way delay: 121.467 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 119.807 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 125.414 ms
Loss rate: 5.14%
-- Flow 3:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 128.539 ms
Loss rate: 2.74%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 14:32:20

End at: 2018-07-10 14:32:50

Local clock offset: -0.287 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-07-10 18:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.15 Mbit/s

95th percentile per-packet one-way delay: 120.645 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 75.66 Mbit/s

95th percentile per-packet one-way delay: 120.989 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 64.79 Mbit/s

95th percentile per-packet one-way delay: 120.061 ms

Loss rate: 1.42%

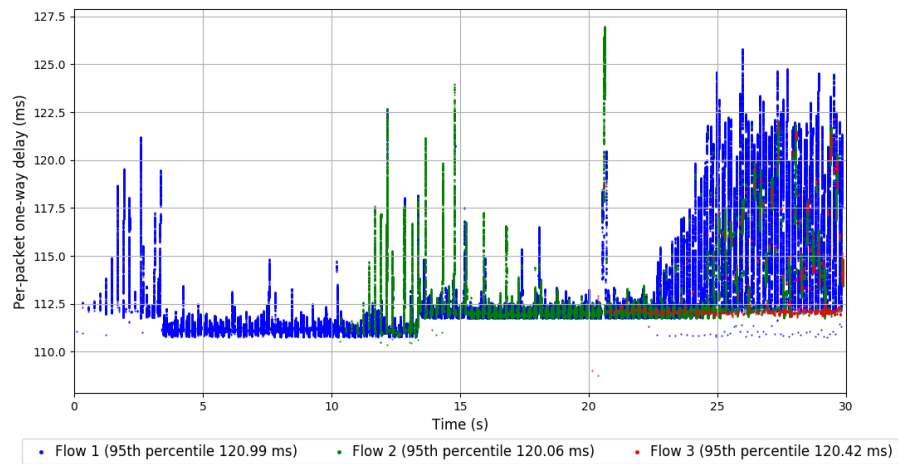
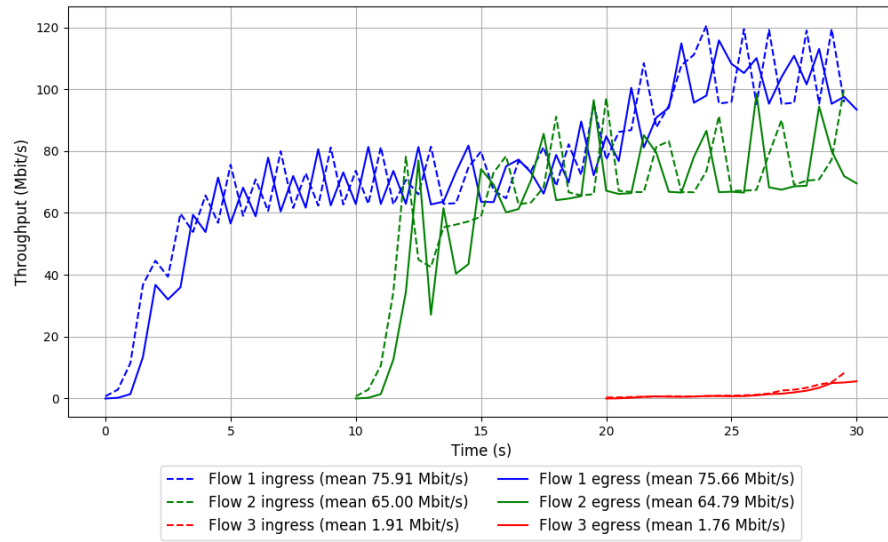
-- Flow 3:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 120.424 ms

Loss rate: 9.54%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 14:58:07

End at: 2018-07-10 14:58:37

Local clock offset: 0.131 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-07-10 18:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.18 Mbit/s

95th percentile per-packet one-way delay: 120.107 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 120.574 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 21.58 Mbit/s

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

Loss rate: 5.11%

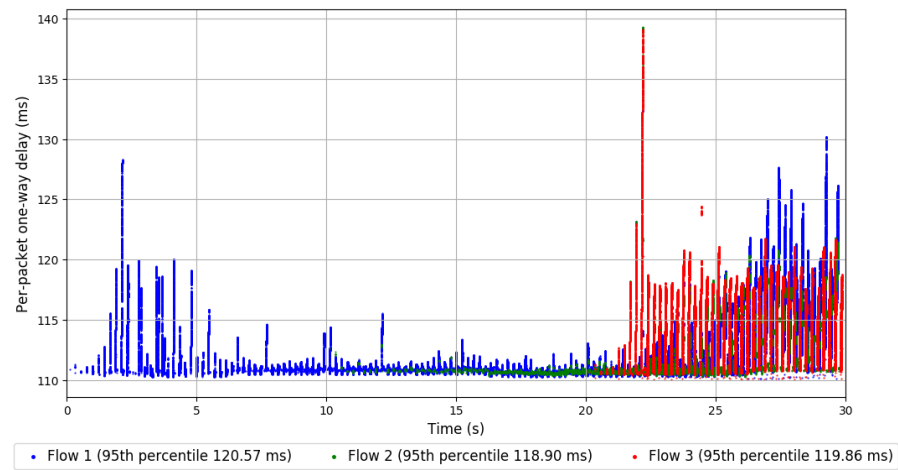
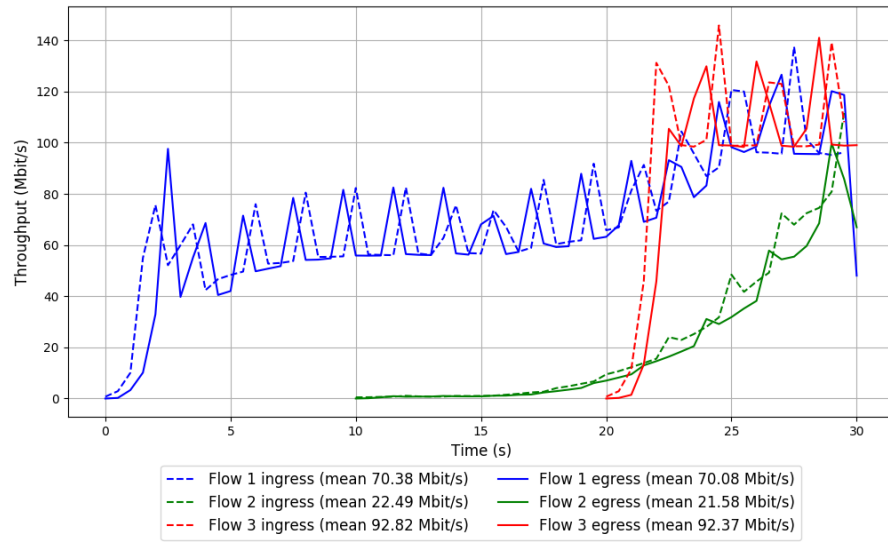
-- Flow 3:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 119.865 ms

Loss rate: 2.67%

Run 5: Report of TCP Cubic — Data Link

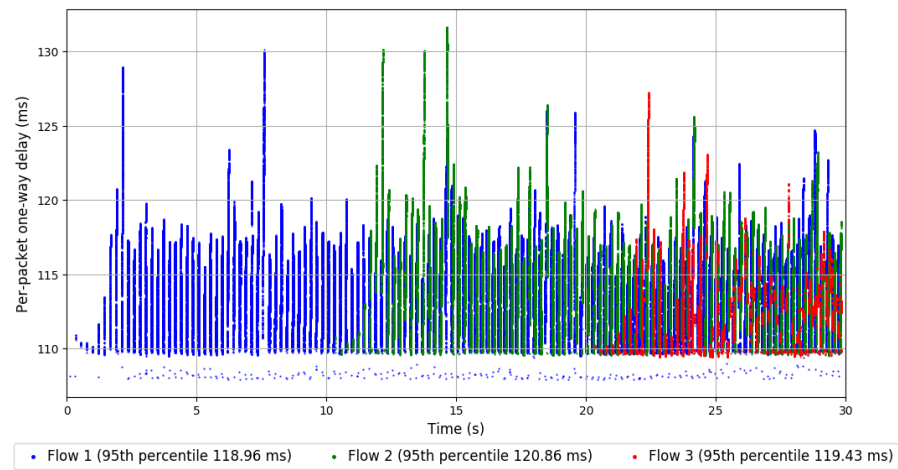
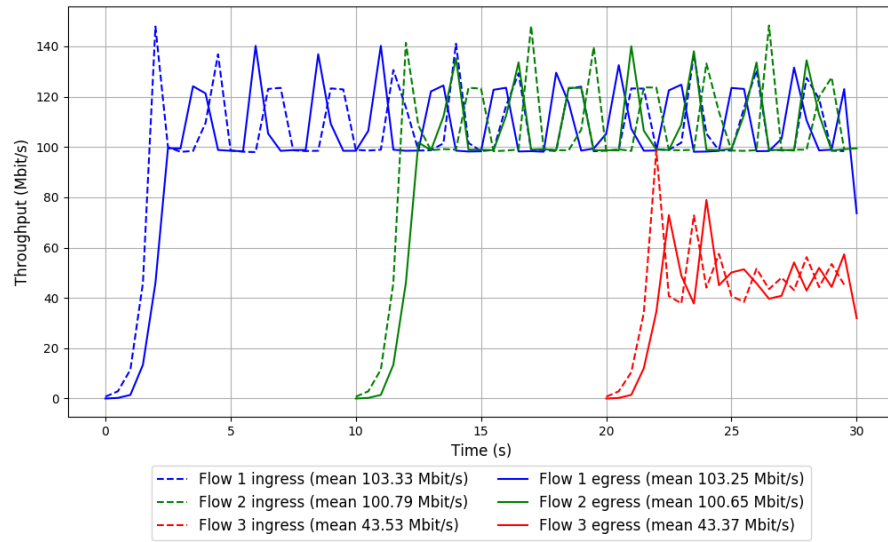


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 15:24:32
End at: 2018-07-10 15:25:02
Local clock offset: -1.416 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-10 18:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.82 Mbit/s
95th percentile per-packet one-way delay: 119.885 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 103.25 Mbit/s
95th percentile per-packet one-way delay: 118.956 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 100.65 Mbit/s
95th percentile per-packet one-way delay: 120.863 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 119.431 ms
Loss rate: 2.60%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 15:51:10

End at: 2018-07-10 15:51:40

Local clock offset: -0.103 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-10 18:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.73 Mbit/s

95th percentile per-packet one-way delay: 119.515 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 71.80 Mbit/s

95th percentile per-packet one-way delay: 119.880 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 63.10 Mbit/s

95th percentile per-packet one-way delay: 117.762 ms

Loss rate: 1.37%

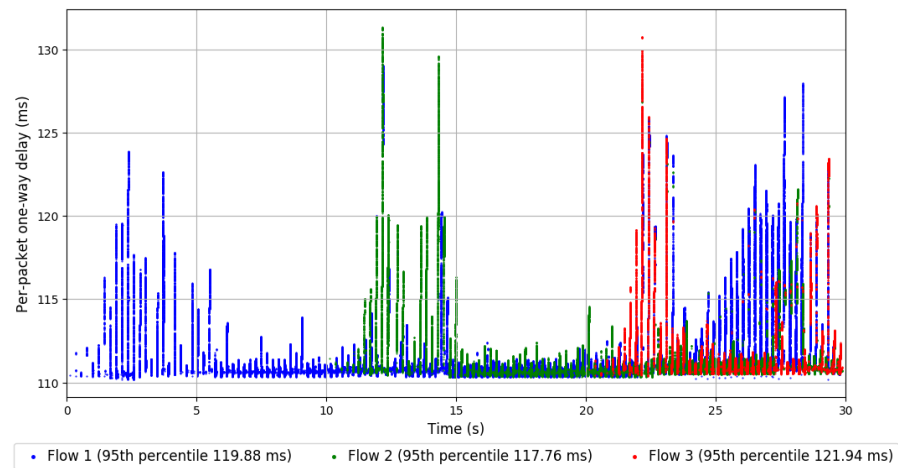
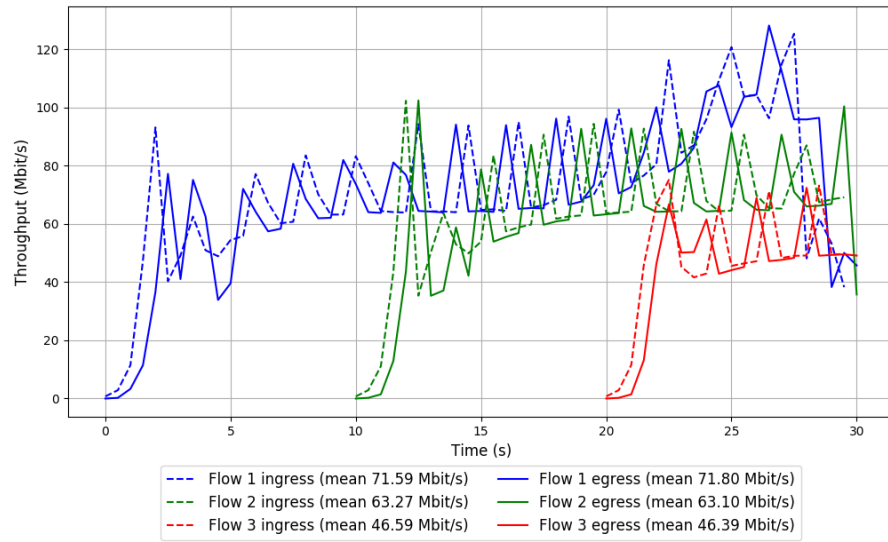
-- Flow 3:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 121.938 ms

Loss rate: 2.67%

Run 7: Report of TCP Cubic — Data Link

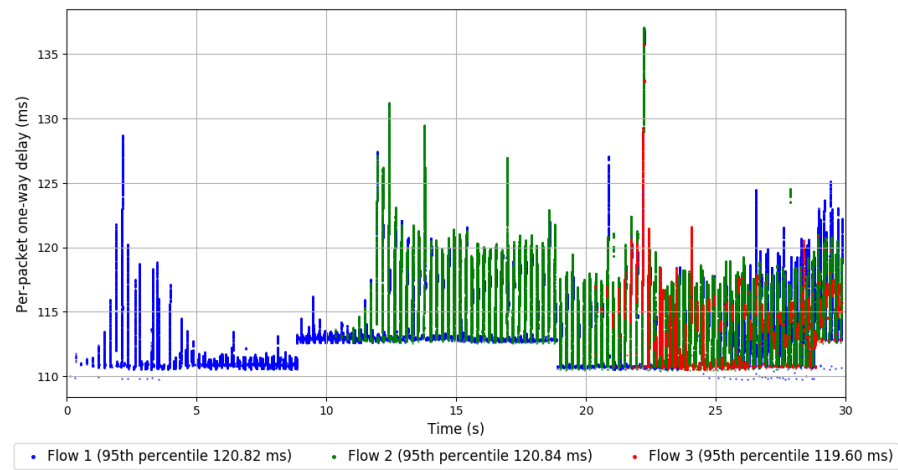
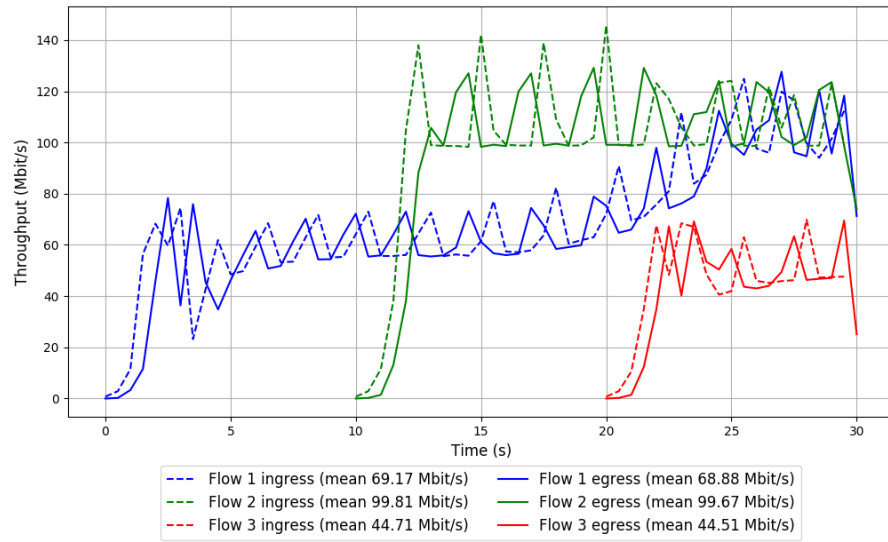


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 16:17:34
End at: 2018-07-10 16:18:04
Local clock offset: 0.221 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-10 18:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.48 Mbit/s
95th percentile per-packet one-way delay: 120.732 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 120.822 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 99.67 Mbit/s
95th percentile per-packet one-way delay: 120.844 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 119.600 ms
Loss rate: 2.68%

Run 8: Report of TCP Cubic — Data Link

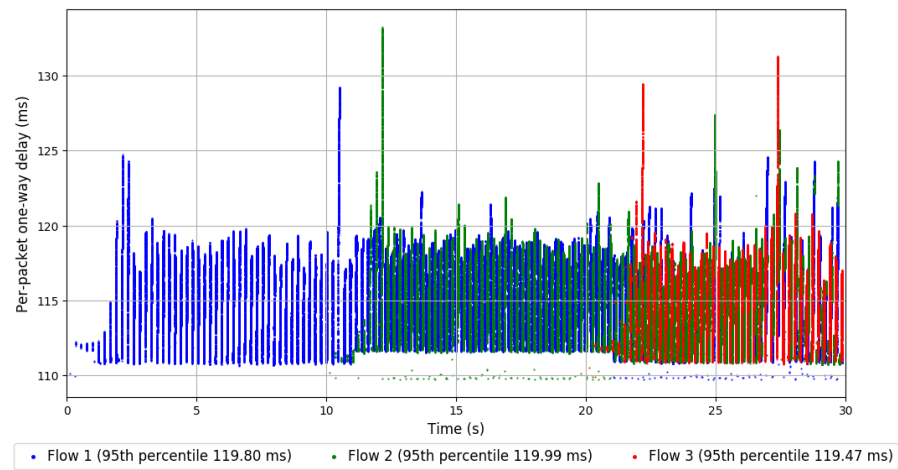
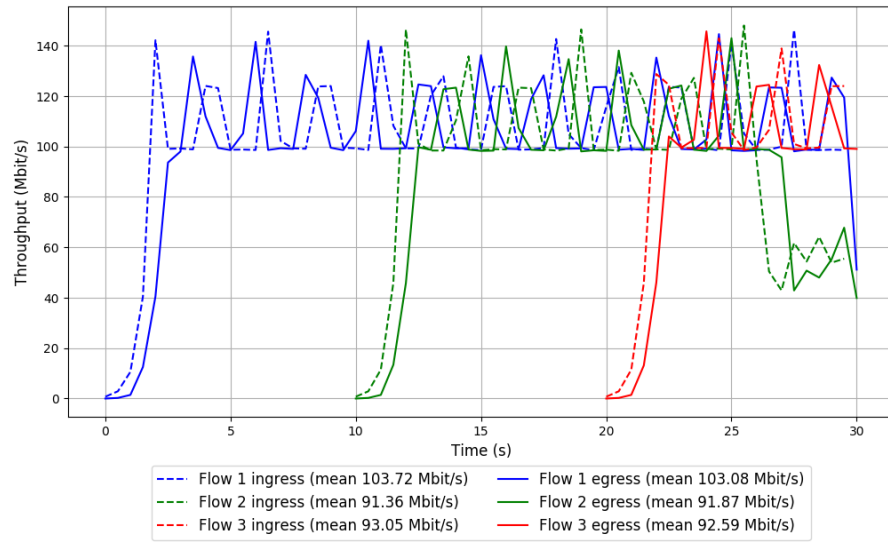


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 16:44:02
End at: 2018-07-10 16:44:32
Local clock offset: 0.106 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-10 18:04:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 119.789 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 103.08 Mbit/s
95th percentile per-packet one-way delay: 119.803 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 119.987 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 119.474 ms
Loss rate: 2.68%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 17:10:30

End at: 2018-07-10 17:11:00

Local clock offset: 0.156 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-10 18:05:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.41 Mbit/s

95th percentile per-packet one-way delay: 120.465 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 103.46 Mbit/s

95th percentile per-packet one-way delay: 120.214 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 100.98 Mbit/s

95th percentile per-packet one-way delay: 120.880 ms

Loss rate: 1.23%

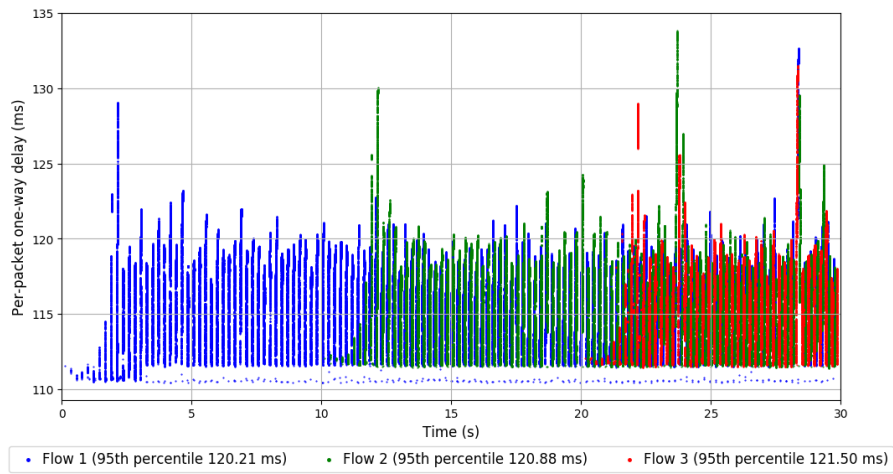
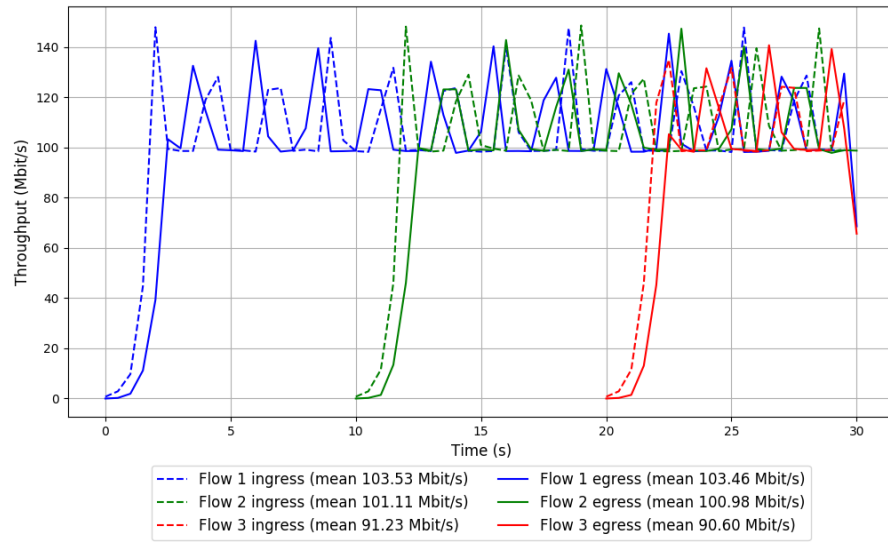
-- Flow 3:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 121.504 ms

Loss rate: 2.92%

Run 10: Report of TCP Cubic — Data Link

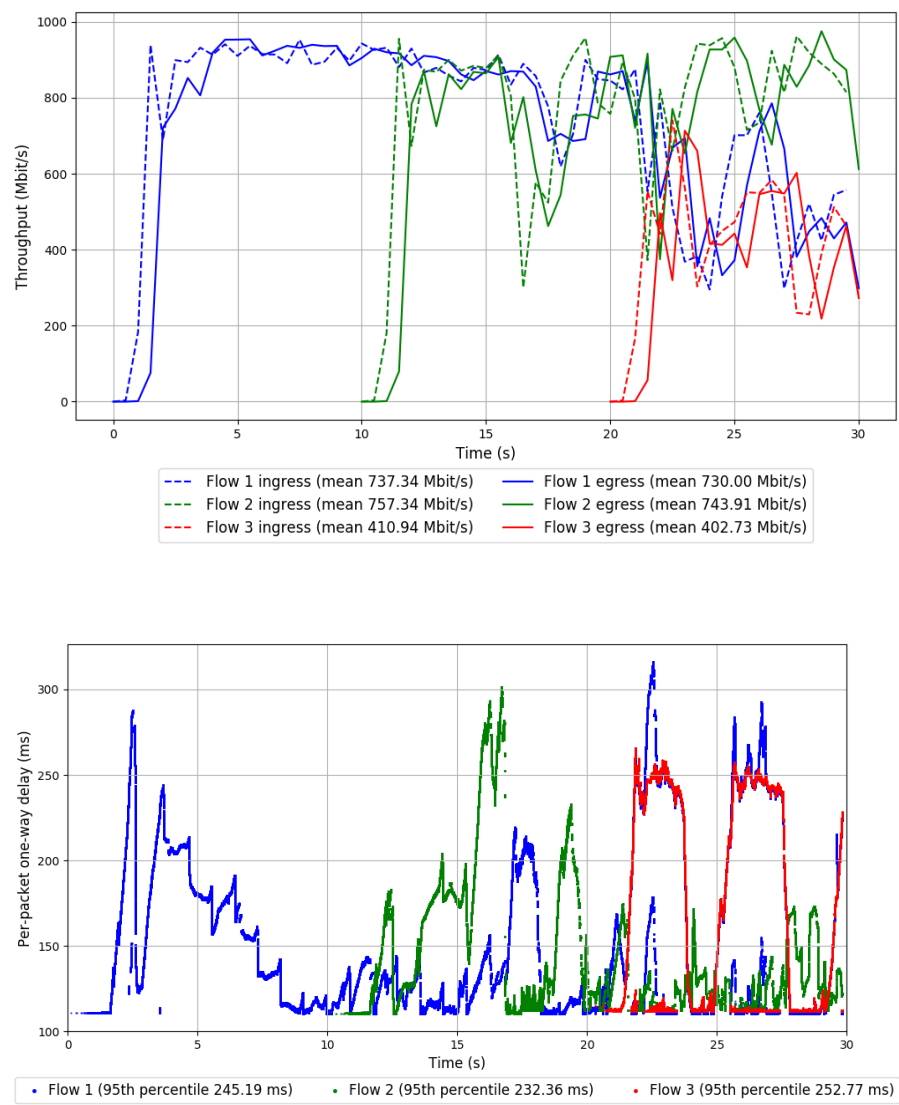


Run 1: Statistics of FillP

Start at: 2018-07-10 13:16:26
End at: 2018-07-10 13:16:56
Local clock offset: -0.485 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-10 18:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1354.99 Mbit/s
95th percentile per-packet one-way delay: 248.678 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 730.00 Mbit/s
95th percentile per-packet one-way delay: 245.192 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 743.91 Mbit/s
95th percentile per-packet one-way delay: 232.360 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 402.73 Mbit/s
95th percentile per-packet one-way delay: 252.766 ms
Loss rate: 4.23%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-10 13:42:48

End at: 2018-07-10 13:43:18

Local clock offset: -1.473 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-10 18:31:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1344.36 Mbit/s

95th percentile per-packet one-way delay: 245.203 ms

Loss rate: 3.40%

-- Flow 1:

Average throughput: 688.72 Mbit/s

95th percentile per-packet one-way delay: 278.155 ms

Loss rate: 4.10%

-- Flow 2:

Average throughput: 695.88 Mbit/s

95th percentile per-packet one-way delay: 226.610 ms

Loss rate: 2.76%

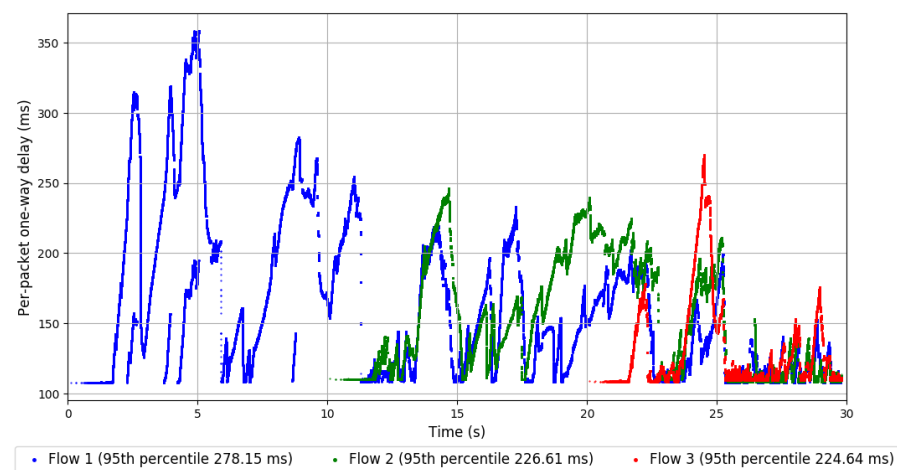
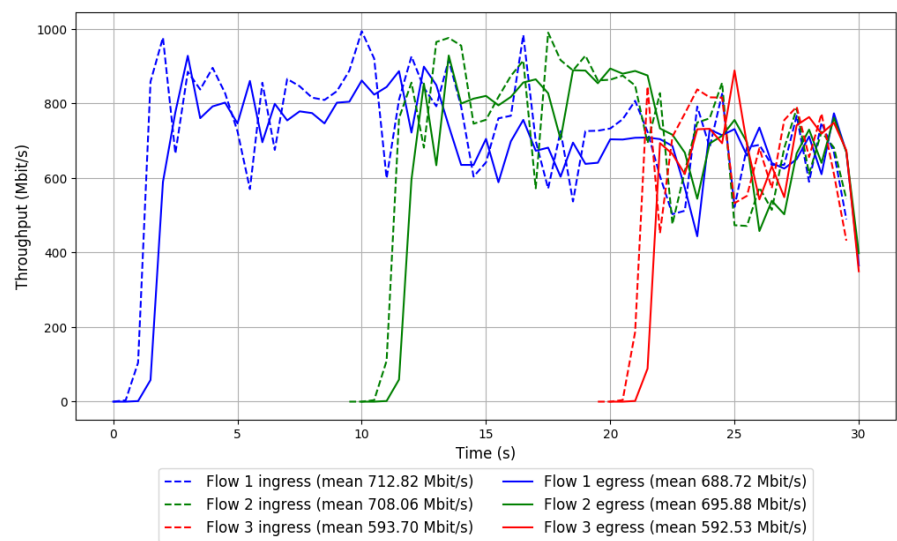
-- Flow 3:

Average throughput: 592.53 Mbit/s

95th percentile per-packet one-way delay: 224.638 ms

Loss rate: 2.41%

Run 2: Report of FillP — Data Link

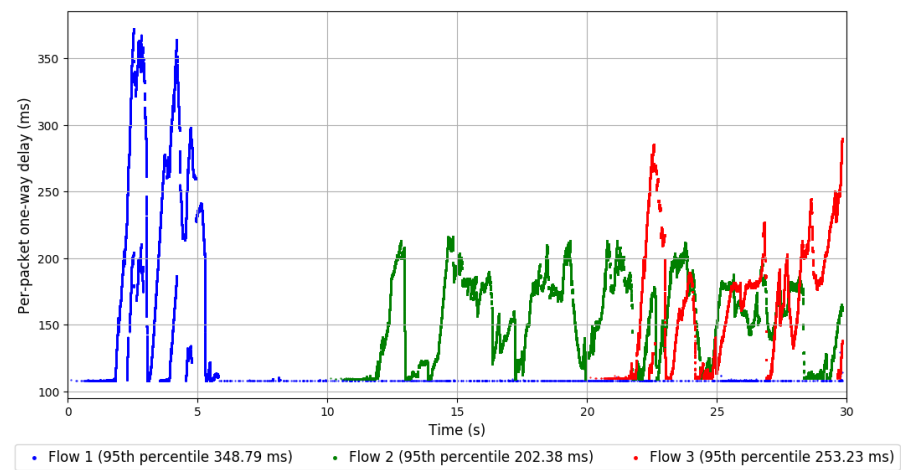
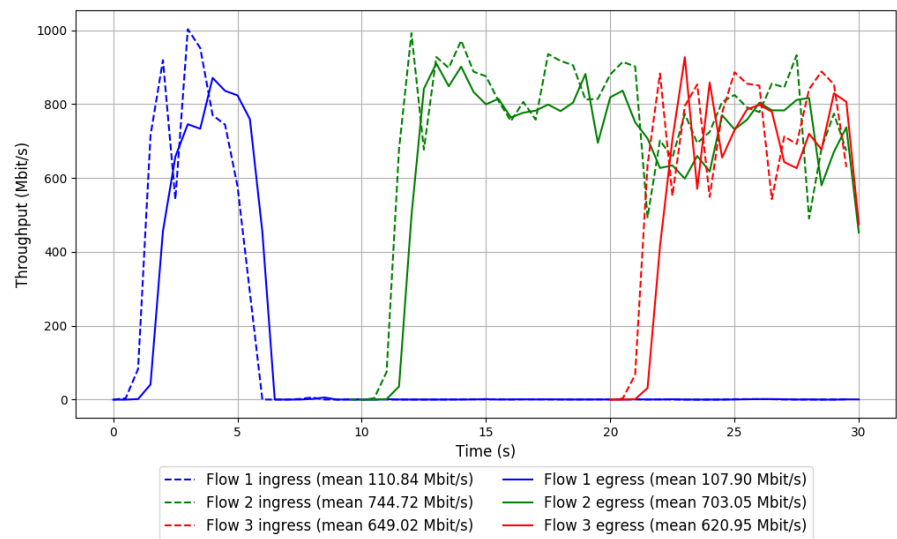


Run 3: Statistics of FillP

Start at: 2018-07-10 14:09:09
End at: 2018-07-10 14:09:39
Local clock offset: -1.311 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-10 18:31:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 776.79 Mbit/s
95th percentile per-packet one-way delay: 266.041 ms
Loss rate: 6.16%
-- Flow 1:
Average throughput: 107.90 Mbit/s
95th percentile per-packet one-way delay: 348.793 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 703.05 Mbit/s
95th percentile per-packet one-way delay: 202.380 ms
Loss rate: 6.65%
-- Flow 3:
Average throughput: 620.95 Mbit/s
95th percentile per-packet one-way delay: 253.226 ms
Loss rate: 6.47%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-10 14:35:07

End at: 2018-07-10 14:35:37

Local clock offset: 0.043 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-07-10 18:31:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1099.58 Mbit/s

95th percentile per-packet one-way delay: 313.576 ms

Loss rate: 3.35%

-- Flow 1:

Average throughput: 600.35 Mbit/s

95th percentile per-packet one-way delay: 309.796 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 501.27 Mbit/s

95th percentile per-packet one-way delay: 317.227 ms

Loss rate: 1.82%

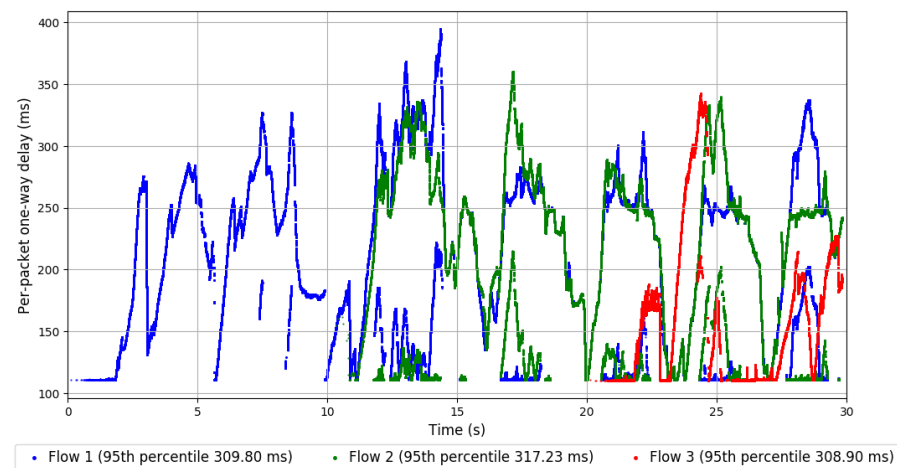
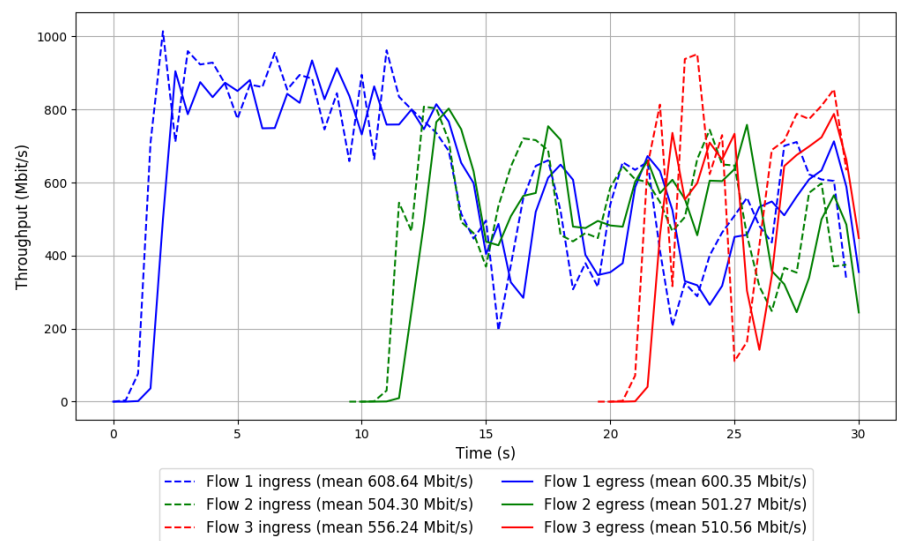
-- Flow 3:

Average throughput: 510.56 Mbit/s

95th percentile per-packet one-way delay: 308.897 ms

Loss rate: 10.27%

Run 4: Report of FillP — Data Link

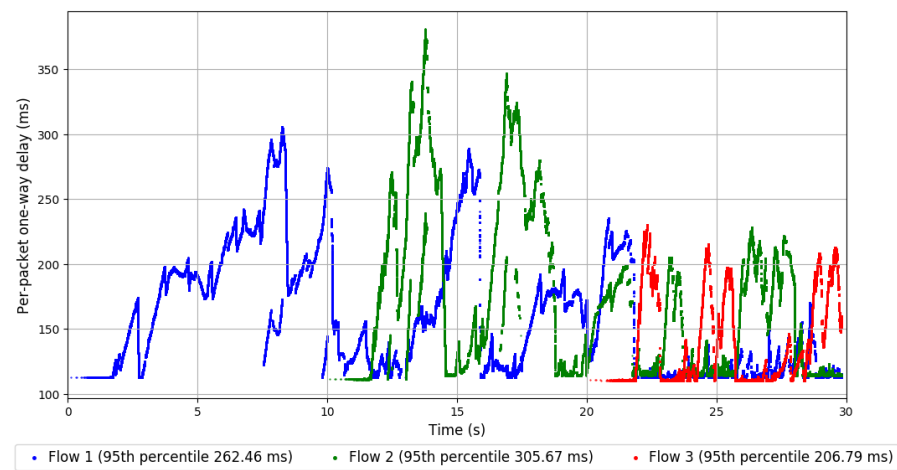
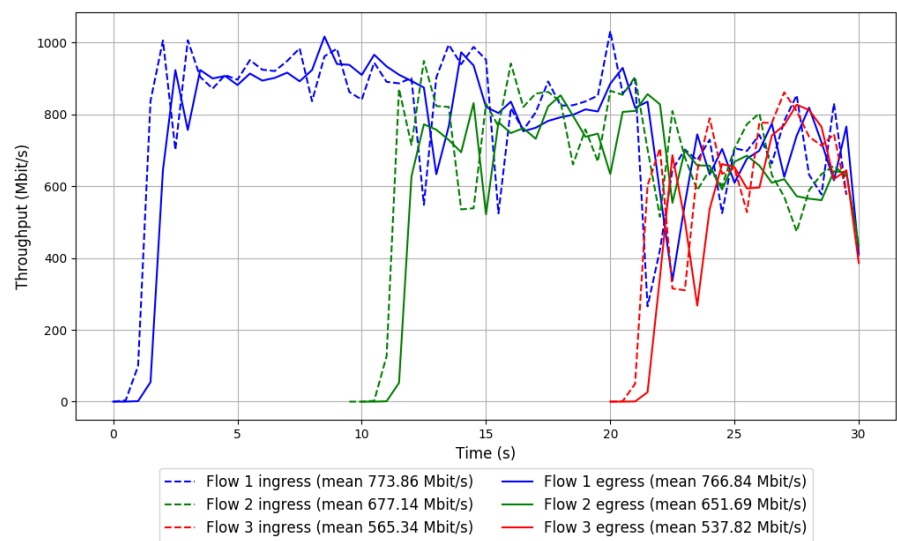


Run 5: Statistics of FillP

Start at: 2018-07-10 15:01:10
End at: 2018-07-10 15:01:40
Local clock offset: -0.067 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-10 18:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1375.03 Mbit/s
95th percentile per-packet one-way delay: 273.345 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 766.84 Mbit/s
95th percentile per-packet one-way delay: 262.460 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 651.69 Mbit/s
95th percentile per-packet one-way delay: 305.671 ms
Loss rate: 4.84%
-- Flow 3:
Average throughput: 537.82 Mbit/s
95th percentile per-packet one-way delay: 206.795 ms
Loss rate: 7.01%

Run 5: Report of FillP — Data Link

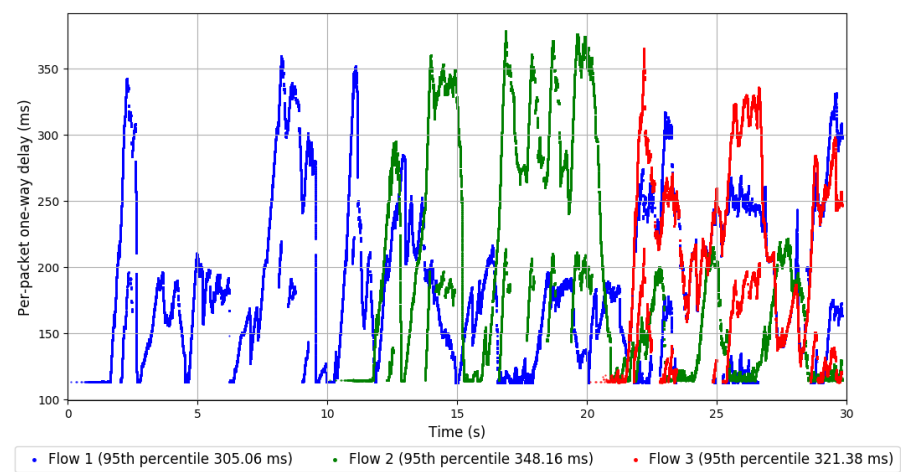
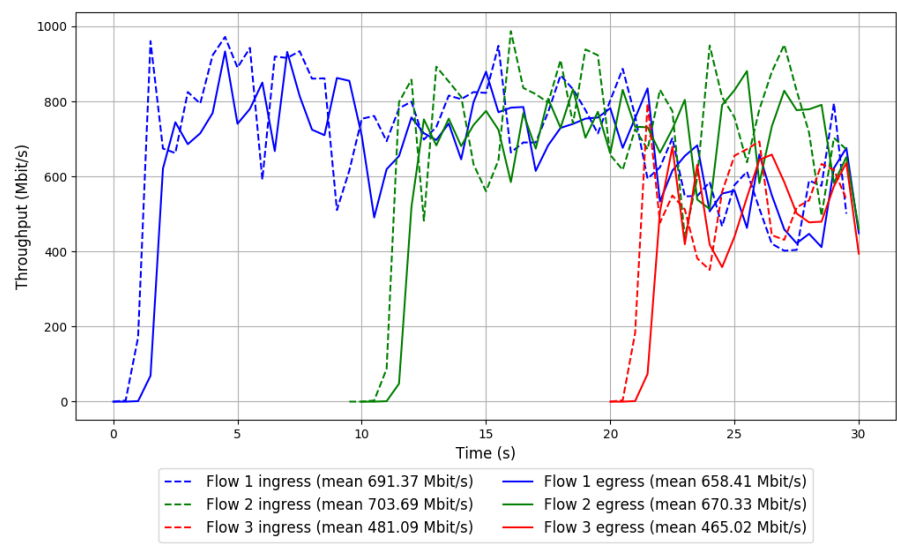


Run 6: Statistics of FillP

Start at: 2018-07-10 15:27:39
End at: 2018-07-10 15:28:09
Local clock offset: 1.27 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-10 18:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1255.17 Mbit/s
95th percentile per-packet one-way delay: 332.607 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 658.41 Mbit/s
95th percentile per-packet one-way delay: 305.065 ms
Loss rate: 5.48%
-- Flow 2:
Average throughput: 670.33 Mbit/s
95th percentile per-packet one-way delay: 348.164 ms
Loss rate: 5.81%
-- Flow 3:
Average throughput: 465.02 Mbit/s
95th percentile per-packet one-way delay: 321.381 ms
Loss rate: 5.52%

Run 6: Report of FillP — Data Link

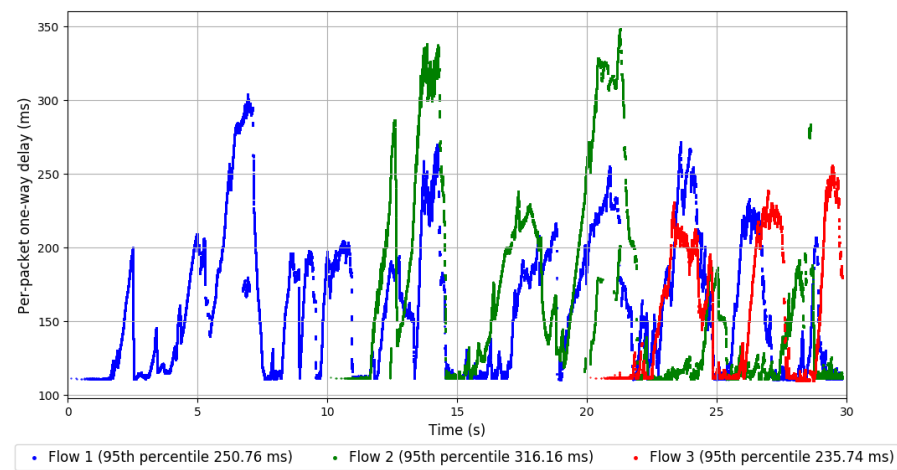
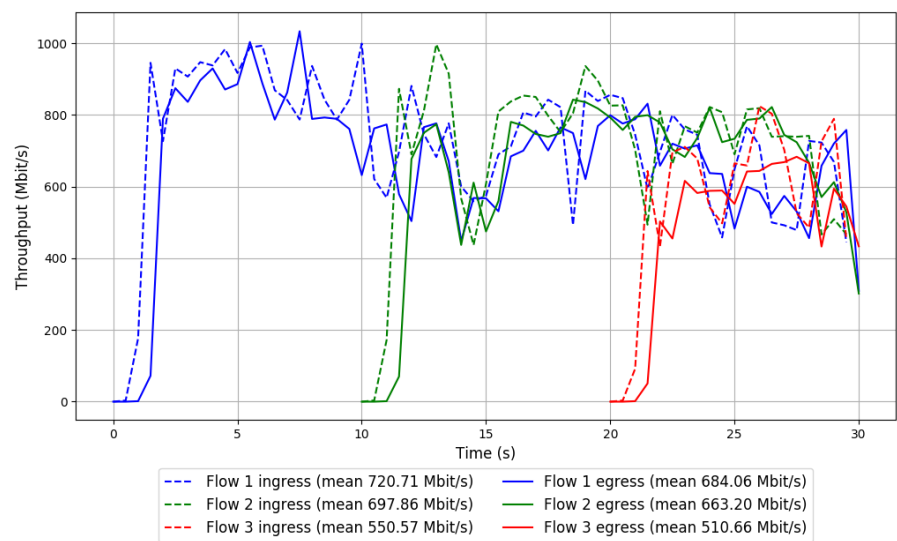


Run 7: Statistics of FillP

Start at: 2018-07-10 15:54:15
End at: 2018-07-10 15:54:45
Local clock offset: -0.075 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-10 18:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1290.54 Mbit/s
95th percentile per-packet one-way delay: 278.837 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 684.06 Mbit/s
95th percentile per-packet one-way delay: 250.757 ms
Loss rate: 5.80%
-- Flow 2:
Average throughput: 663.20 Mbit/s
95th percentile per-packet one-way delay: 316.158 ms
Loss rate: 5.98%
-- Flow 3:
Average throughput: 510.66 Mbit/s
95th percentile per-packet one-way delay: 235.742 ms
Loss rate: 9.35%

Run 7: Report of FillP — Data Link

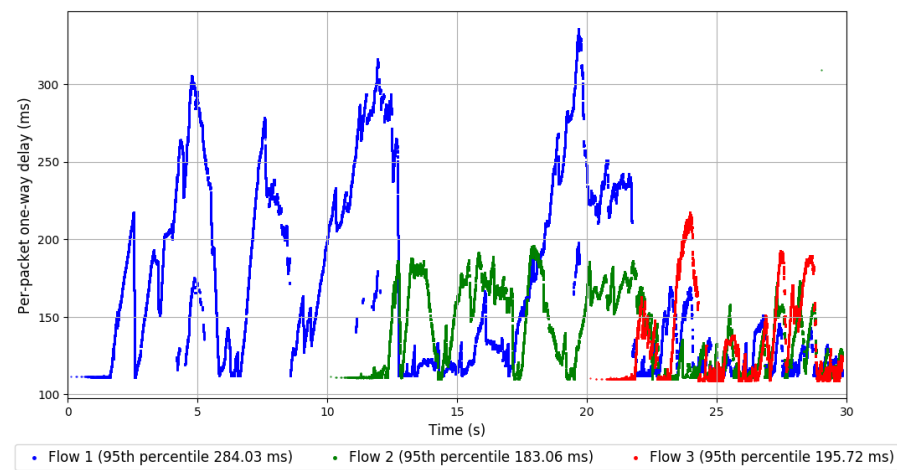
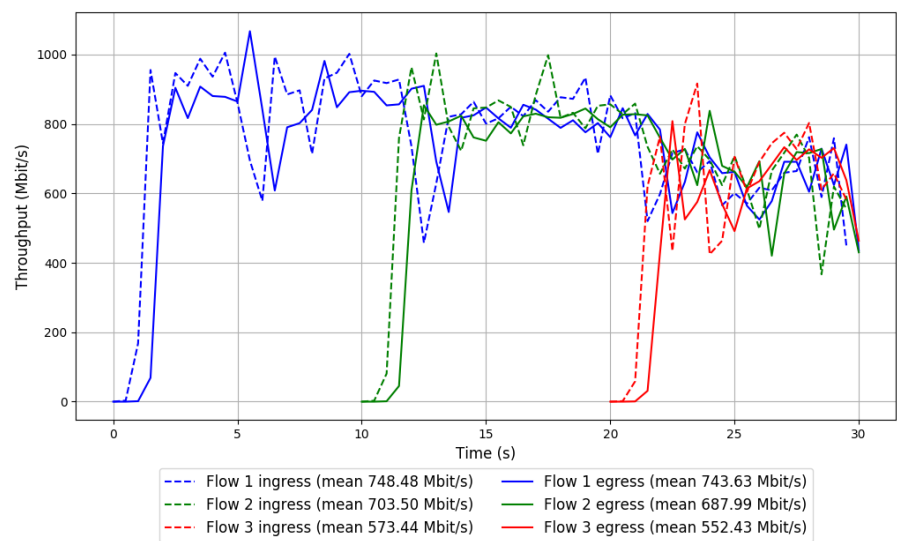


Run 8: Statistics of FillP

Start at: 2018-07-10 16:20:29
End at: 2018-07-10 16:20:59
Local clock offset: -0.218 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-10 18:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1380.30 Mbit/s
95th percentile per-packet one-way delay: 273.188 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 743.63 Mbit/s
95th percentile per-packet one-way delay: 284.031 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 687.99 Mbit/s
95th percentile per-packet one-way delay: 183.058 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 552.43 Mbit/s
95th percentile per-packet one-way delay: 195.724 ms
Loss rate: 5.82%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-10 16:47:11

End at: 2018-07-10 16:47:41

Local clock offset: -0.02 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-10 18:43:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1121.13 Mbit/s

95th percentile per-packet one-way delay: 298.818 ms

Loss rate: 2.96%

-- Flow 1:

Average throughput: 599.04 Mbit/s

95th percentile per-packet one-way delay: 310.355 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 508.01 Mbit/s

95th percentile per-packet one-way delay: 290.698 ms

Loss rate: 2.01%

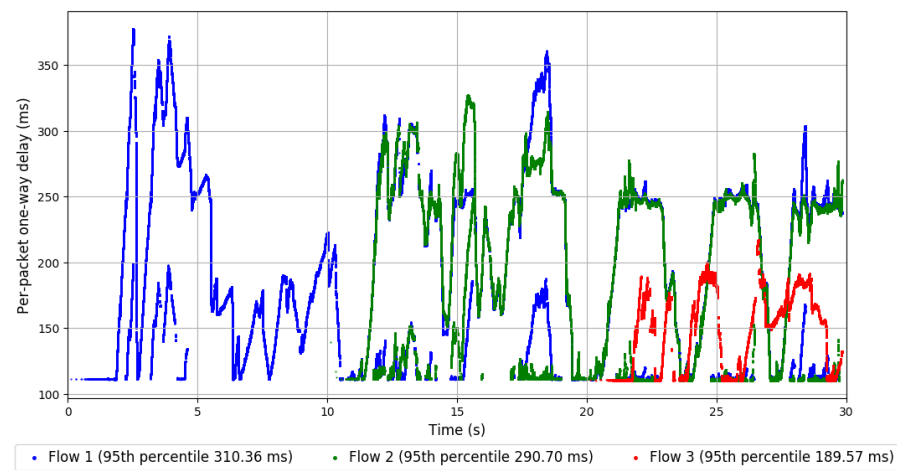
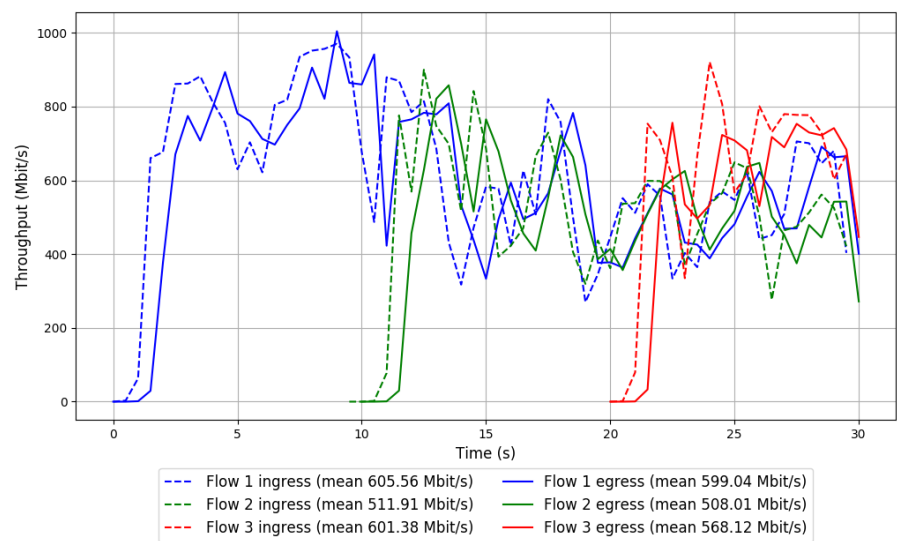
-- Flow 3:

Average throughput: 568.12 Mbit/s

95th percentile per-packet one-way delay: 189.567 ms

Loss rate: 7.65%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-10 17:13:42

End at: 2018-07-10 17:14:12

Local clock offset: -0.14 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-07-10 18:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1330.94 Mbit/s

95th percentile per-packet one-way delay: 241.726 ms

Loss rate: 5.47%

-- Flow 1:

Average throughput: 746.01 Mbit/s

95th percentile per-packet one-way delay: 230.987 ms

Loss rate: 4.43%

-- Flow 2:

Average throughput: 651.04 Mbit/s

95th percentile per-packet one-way delay: 294.353 ms

Loss rate: 6.35%

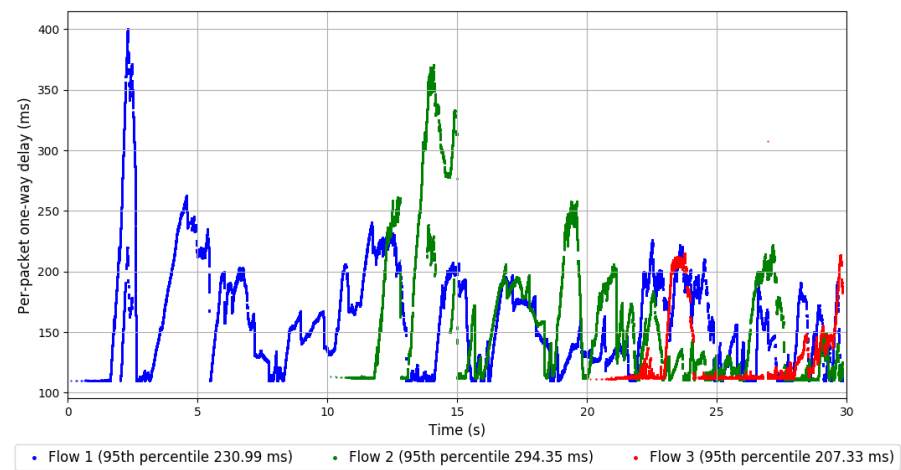
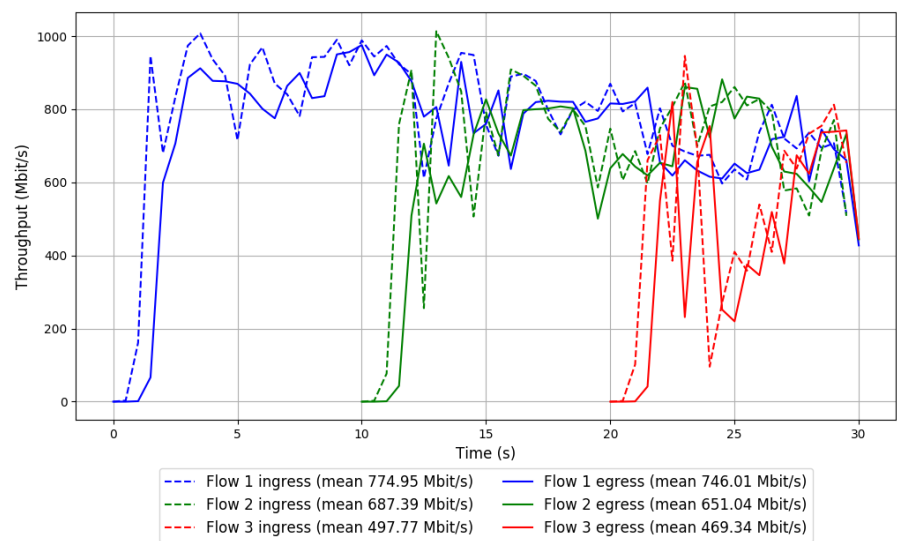
-- Flow 3:

Average throughput: 469.34 Mbit/s

95th percentile per-packet one-way delay: 207.334 ms

Loss rate: 7.85%

Run 10: Report of FillP — Data Link

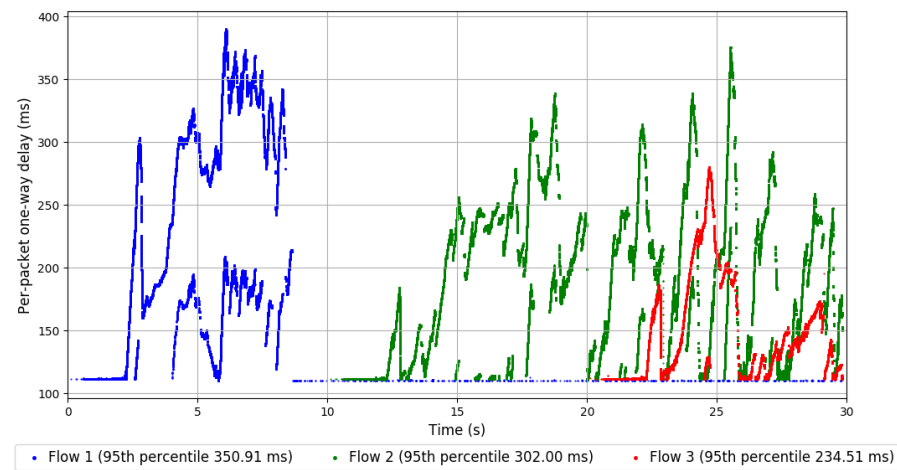
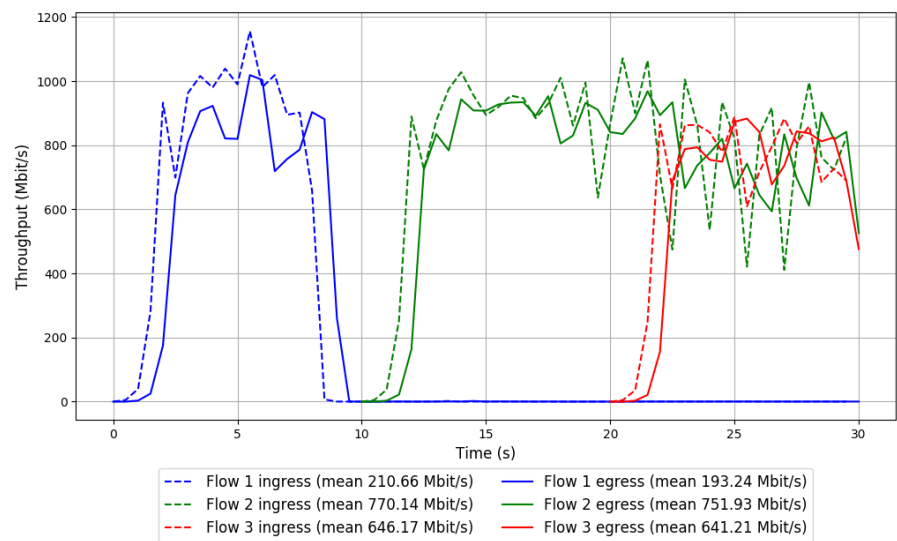


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 13:31:47
End at: 2018-07-10 13:32:17
Local clock offset: -0.033 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 18:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.02 Mbit/s
95th percentile per-packet one-way delay: 320.510 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 193.24 Mbit/s
95th percentile per-packet one-way delay: 350.910 ms
Loss rate: 8.81%
-- Flow 2:
Average throughput: 751.93 Mbit/s
95th percentile per-packet one-way delay: 302.005 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 641.21 Mbit/s
95th percentile per-packet one-way delay: 234.509 ms
Loss rate: 2.97%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 13:58:17

End at: 2018-07-10 13:58:47

Local clock offset: -0.061 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-10 18:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1042.15 Mbit/s

95th percentile per-packet one-way delay: 320.239 ms

Loss rate: 5.40%

-- Flow 1:

Average throughput: 362.64 Mbit/s

95th percentile per-packet one-way delay: 316.672 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 705.59 Mbit/s

95th percentile per-packet one-way delay: 331.439 ms

Loss rate: 5.81%

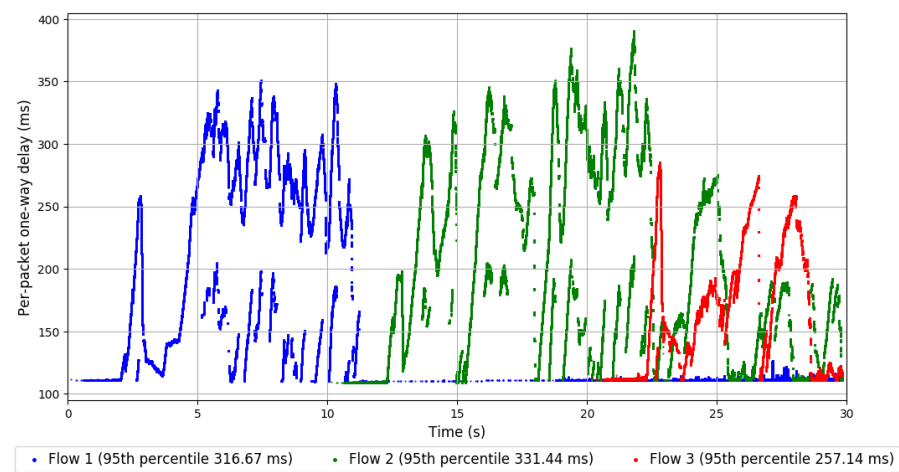
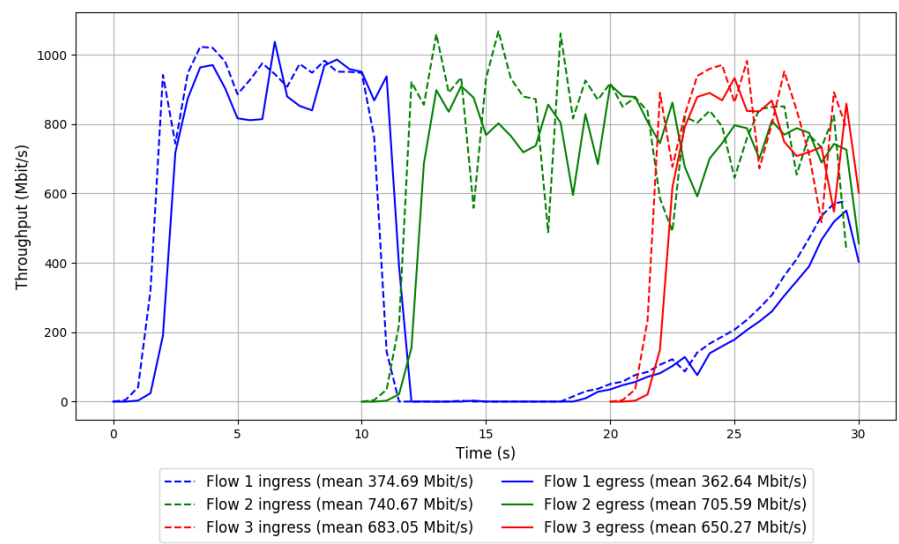
-- Flow 3:

Average throughput: 650.27 Mbit/s

95th percentile per-packet one-way delay: 257.145 ms

Loss rate: 6.95%

Run 2: Report of FillP-Sheep — Data Link

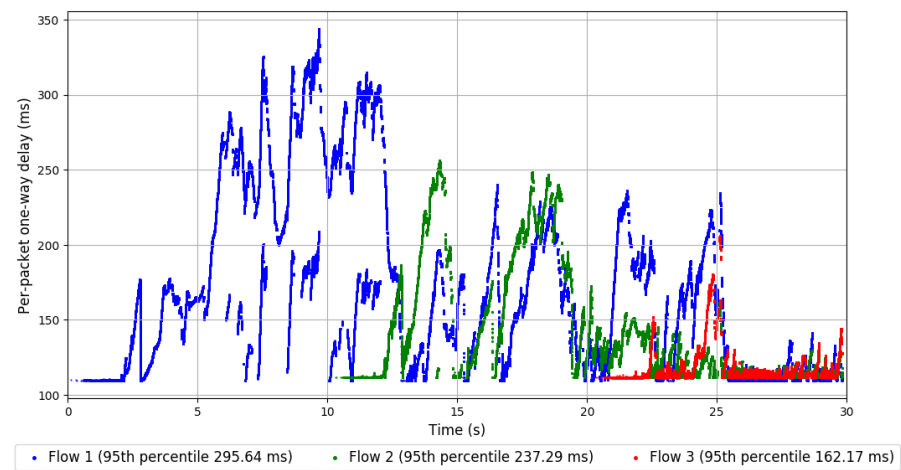
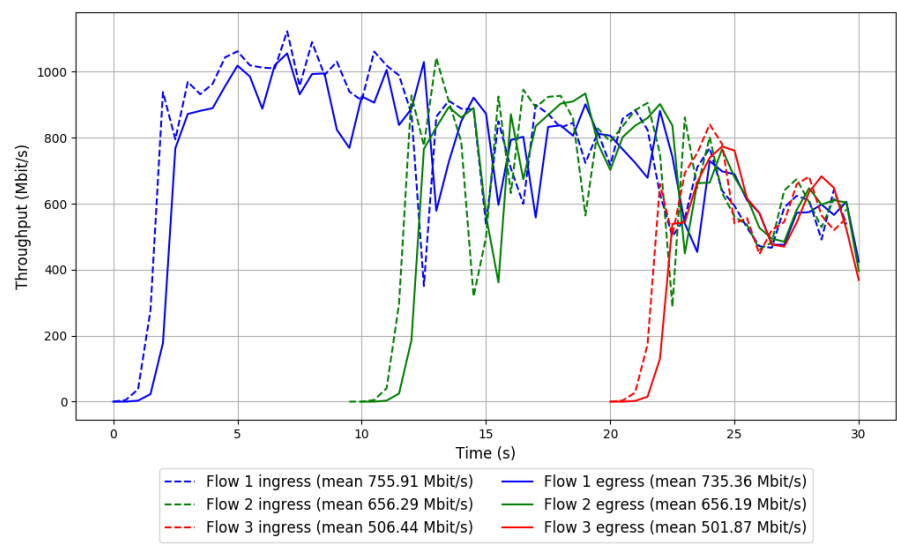


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 14:24:02
End at: 2018-07-10 14:24:32
Local clock offset: -0.068 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-10 18:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 1333.96 Mbit/s
95th percentile per-packet one-way delay: 277.500 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 735.36 Mbit/s
95th percentile per-packet one-way delay: 295.640 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 656.19 Mbit/s
95th percentile per-packet one-way delay: 237.286 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 501.87 Mbit/s
95th percentile per-packet one-way delay: 162.167 ms
Loss rate: 3.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 14:50:08

End at: 2018-07-10 14:50:38

Local clock offset: 1.086 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-10 18:59:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 947.02 Mbit/s

95th percentile per-packet one-way delay: 312.285 ms

Loss rate: 6.84%

-- Flow 1:

Average throughput: 302.45 Mbit/s

95th percentile per-packet one-way delay: 312.443 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 712.45 Mbit/s

95th percentile per-packet one-way delay: 317.921 ms

Loss rate: 7.31%

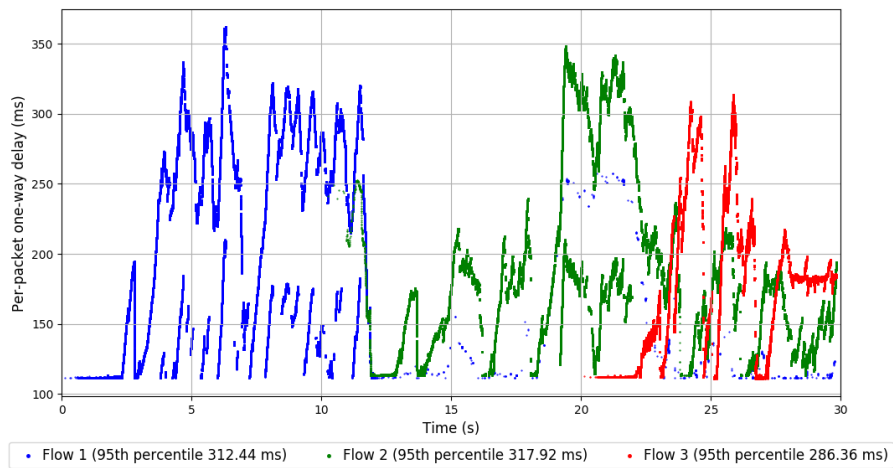
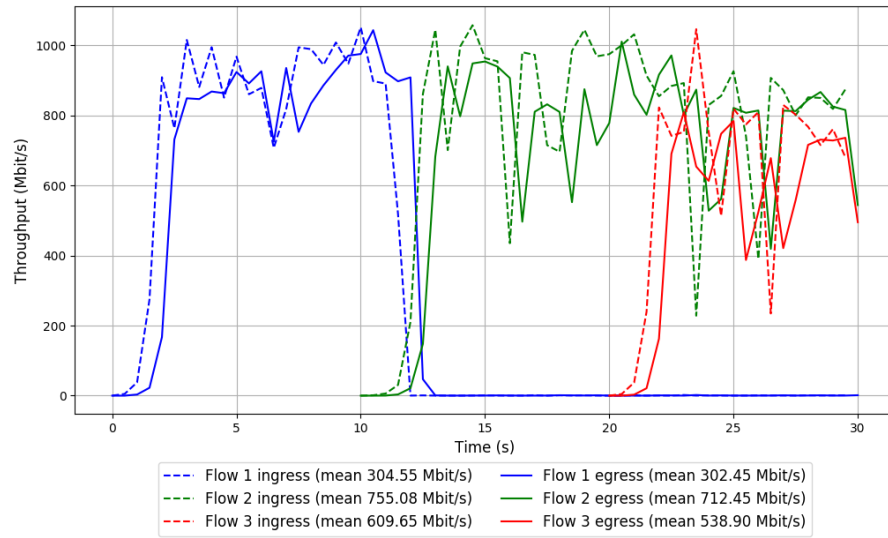
-- Flow 3:

Average throughput: 538.90 Mbit/s

95th percentile per-packet one-way delay: 286.364 ms

Loss rate: 13.59%

Run 4: Report of FillP-Sheep — Data Link

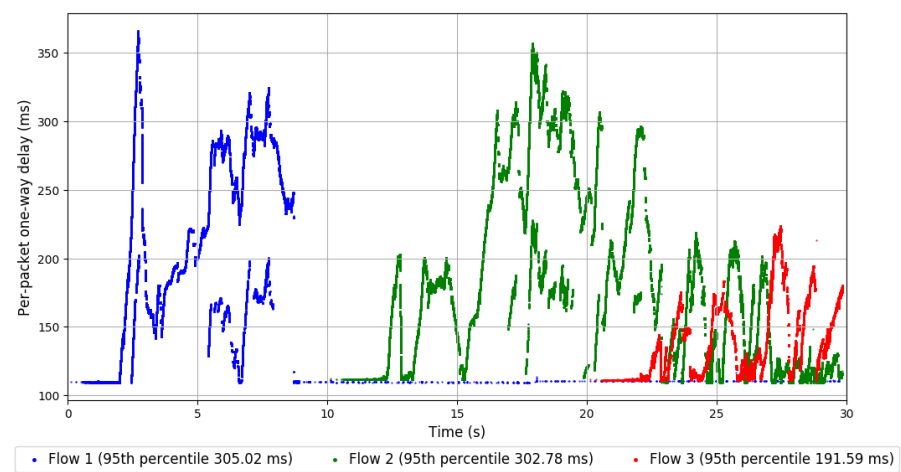
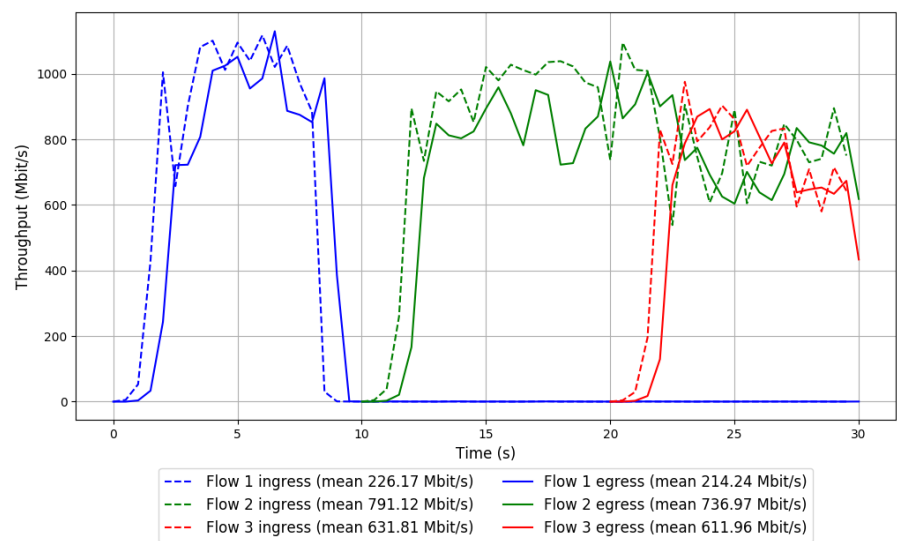


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 15:16:35
End at: 2018-07-10 15:17:05
Local clock offset: 0.083 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-10 18:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.68 Mbit/s
95th percentile per-packet one-way delay: 298.581 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 214.24 Mbit/s
95th percentile per-packet one-way delay: 305.018 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 736.97 Mbit/s
95th percentile per-packet one-way delay: 302.777 ms
Loss rate: 7.88%
-- Flow 3:
Average throughput: 611.96 Mbit/s
95th percentile per-packet one-way delay: 191.594 ms
Loss rate: 5.31%

Run 5: Report of FillP-Sheep — Data Link

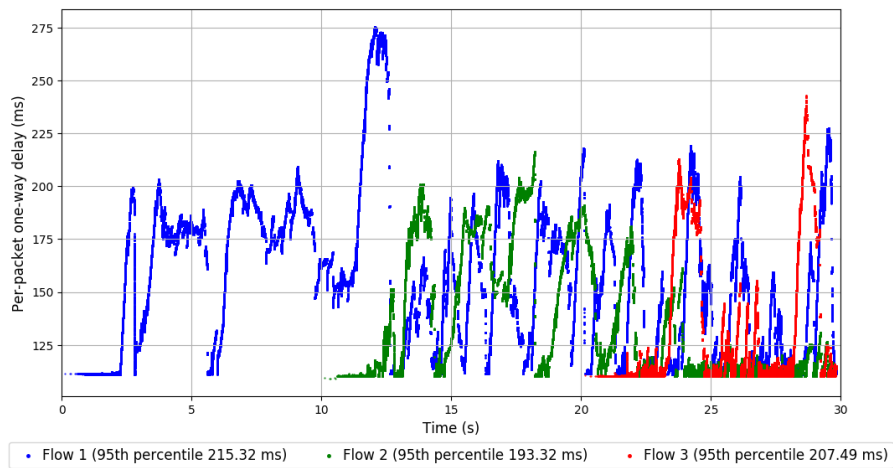
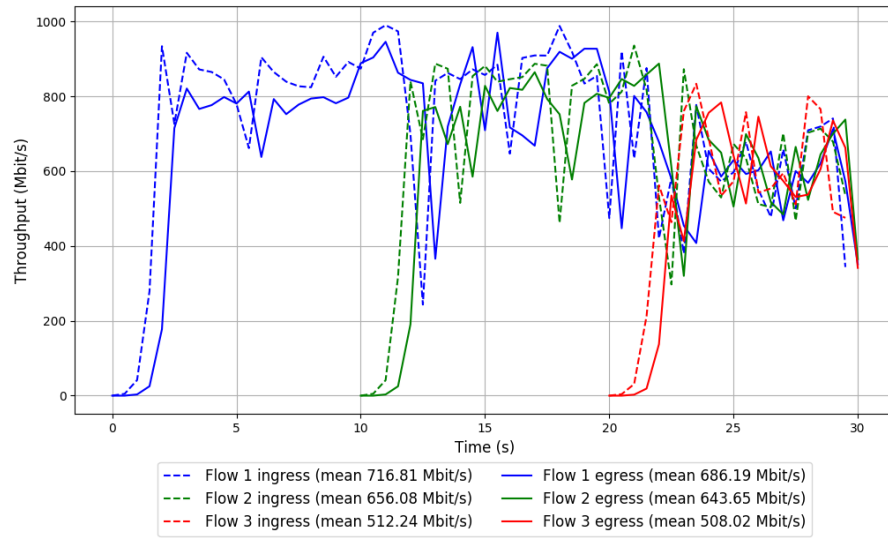


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 15:42:52
End at: 2018-07-10 15:43:22
Local clock offset: -0.245 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-10 19:01:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1277.40 Mbit/s
95th percentile per-packet one-way delay: 203.857 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 686.19 Mbit/s
95th percentile per-packet one-way delay: 215.319 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 643.65 Mbit/s
95th percentile per-packet one-way delay: 193.318 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 508.02 Mbit/s
95th percentile per-packet one-way delay: 207.486 ms
Loss rate: 3.18%

Run 6: Report of FillP-Sheep — Data Link

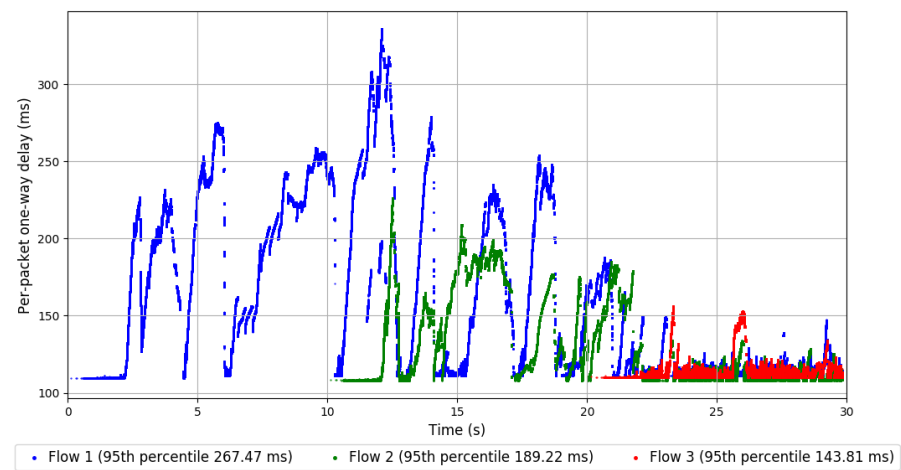
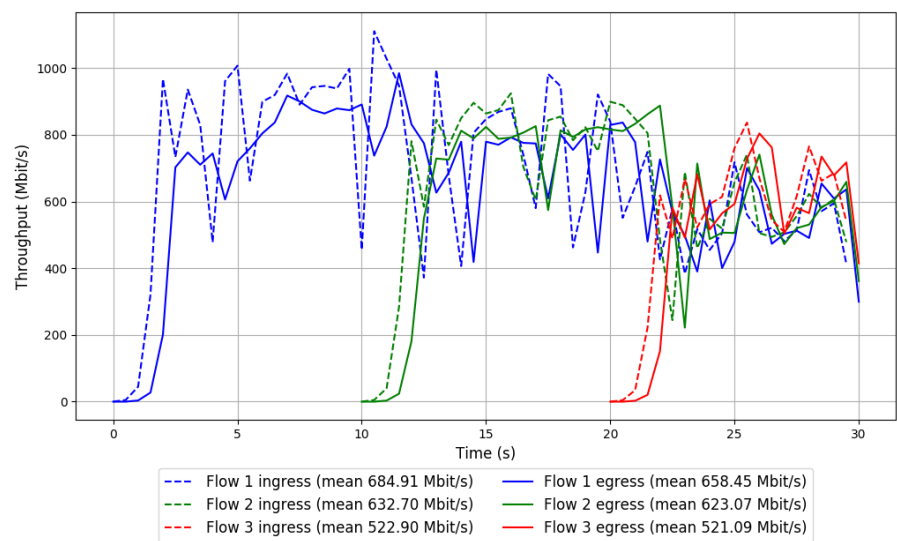


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 16:09:28
End at: 2018-07-10 16:09:58
Local clock offset: -1.26 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-10 19:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.25 Mbit/s
95th percentile per-packet one-way delay: 250.563 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 658.45 Mbit/s
95th percentile per-packet one-way delay: 267.470 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 623.07 Mbit/s
95th percentile per-packet one-way delay: 189.225 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 521.09 Mbit/s
95th percentile per-packet one-way delay: 143.806 ms
Loss rate: 2.52%

Run 7: Report of FillP-Sheep — Data Link

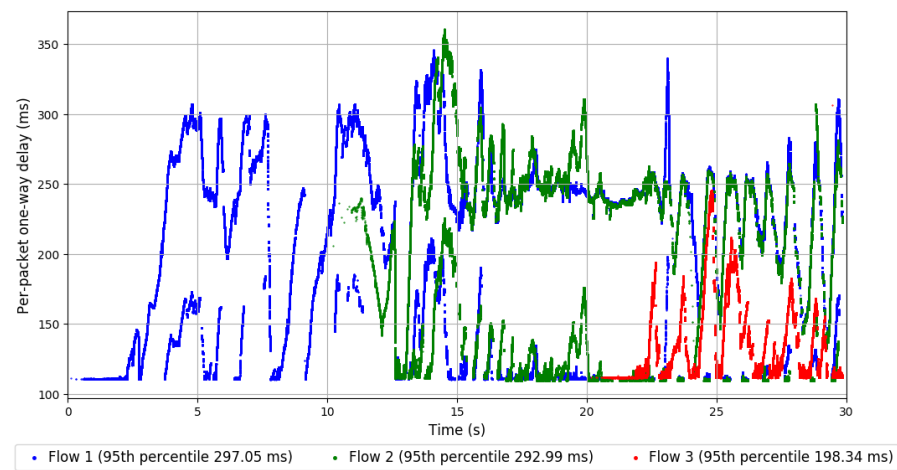
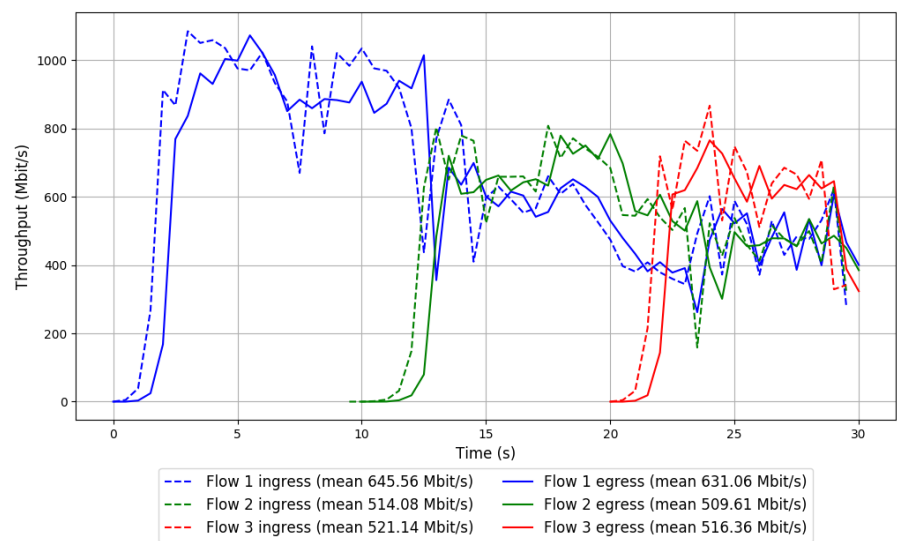


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 16:35:46
End at: 2018-07-10 16:36:16
Local clock offset: 0.112 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-10 19:14:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1135.65 Mbit/s
95th percentile per-packet one-way delay: 295.355 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 631.06 Mbit/s
95th percentile per-packet one-way delay: 297.048 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 509.61 Mbit/s
95th percentile per-packet one-way delay: 292.989 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 516.36 Mbit/s
95th percentile per-packet one-way delay: 198.341 ms
Loss rate: 3.16%

Run 8: Report of FillP-Sheep — Data Link

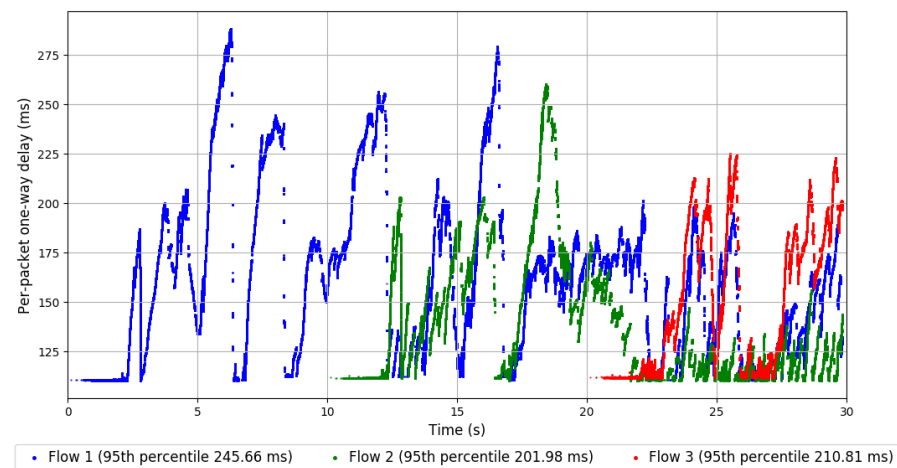
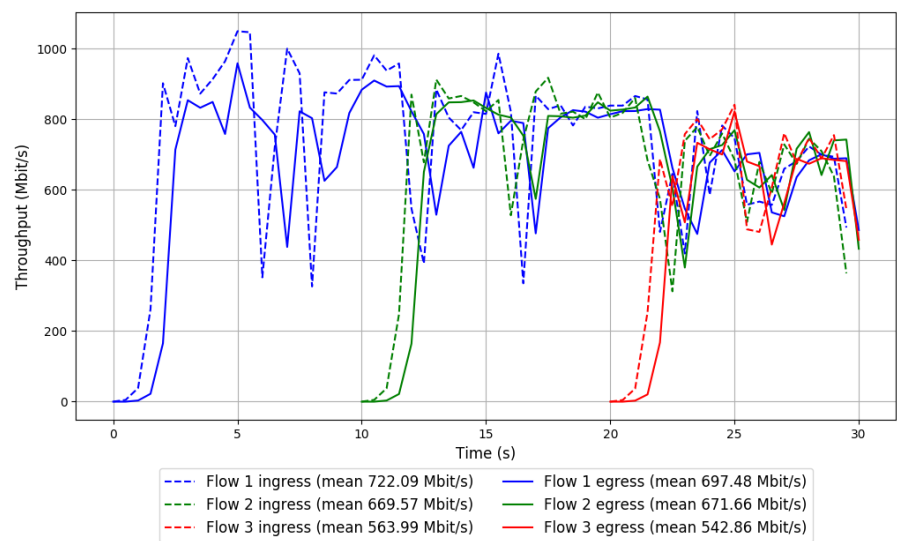


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 17:02:16
End at: 2018-07-10 17:02:46
Local clock offset: 0.098 ms
Remote clock offset: -0.106 ms

```
# Below is generated by plot.py at 2018-07-10 19:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1320.19 Mbit/s
95th percentile per-packet one-way delay: 238.526 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 697.48 Mbit/s
95th percentile per-packet one-way delay: 245.655 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 671.66 Mbit/s
95th percentile per-packet one-way delay: 201.982 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 542.86 Mbit/s
95th percentile per-packet one-way delay: 210.805 ms
Loss rate: 5.90%
```


Run 9: Report of FillP-Sheep — Data Link

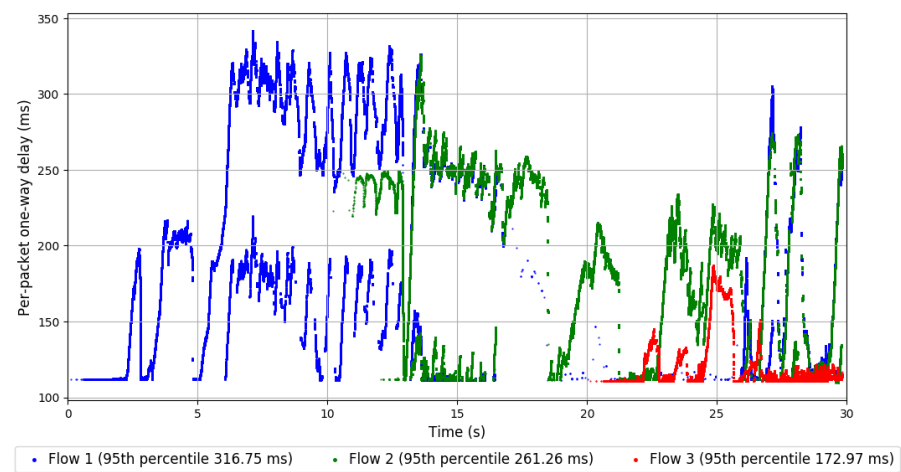
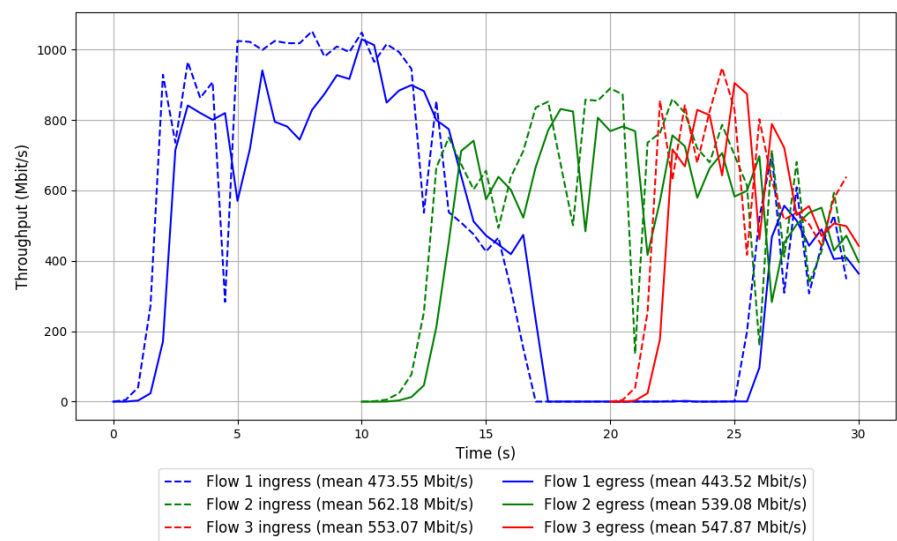


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 17:29:04
End at: 2018-07-10 17:29:34
Local clock offset: 0.124 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 977.80 Mbit/s
95th percentile per-packet one-way delay: 309.786 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 443.52 Mbit/s
95th percentile per-packet one-way delay: 316.753 ms
Loss rate: 7.03%
-- Flow 2:
Average throughput: 539.08 Mbit/s
95th percentile per-packet one-way delay: 261.262 ms
Loss rate: 5.71%
-- Flow 3:
Average throughput: 547.87 Mbit/s
95th percentile per-packet one-way delay: 172.969 ms
Loss rate: 3.14%

Run 10: Report of FillP-Sheep — Data Link

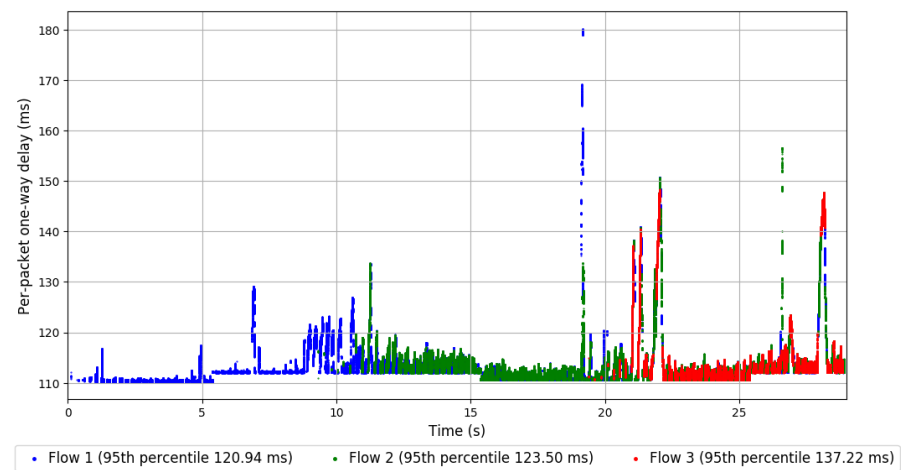
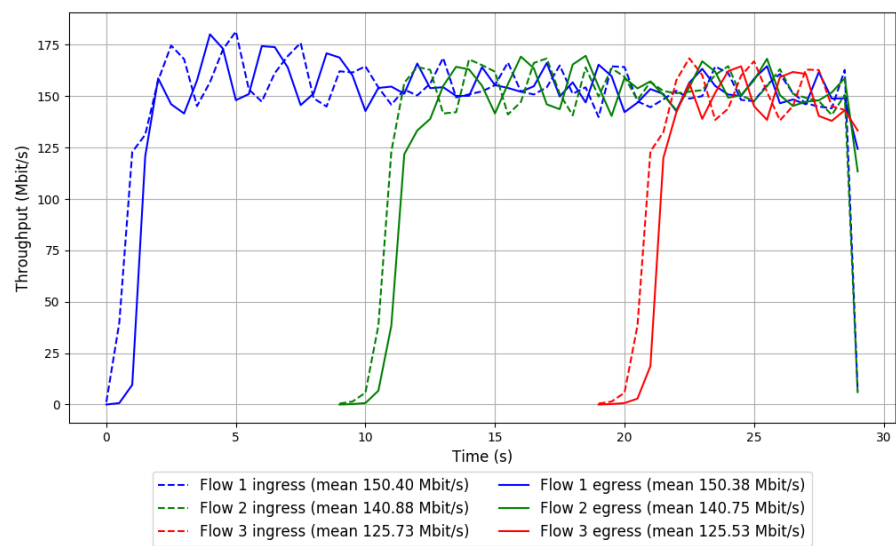


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 13:10:17
End at: 2018-07-10 13:10:47
Local clock offset: -0.069 ms
Remote clock offset: 0.286 ms

# Below is generated by plot.py at 2018-07-10 19:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.48 Mbit/s
95th percentile per-packet one-way delay: 122.404 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 150.38 Mbit/s
95th percentile per-packet one-way delay: 120.938 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 140.75 Mbit/s
95th percentile per-packet one-way delay: 123.504 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 125.53 Mbit/s
95th percentile per-packet one-way delay: 137.220 ms
Loss rate: 2.79%
```

Run 1: Report of Indigo — Data Link

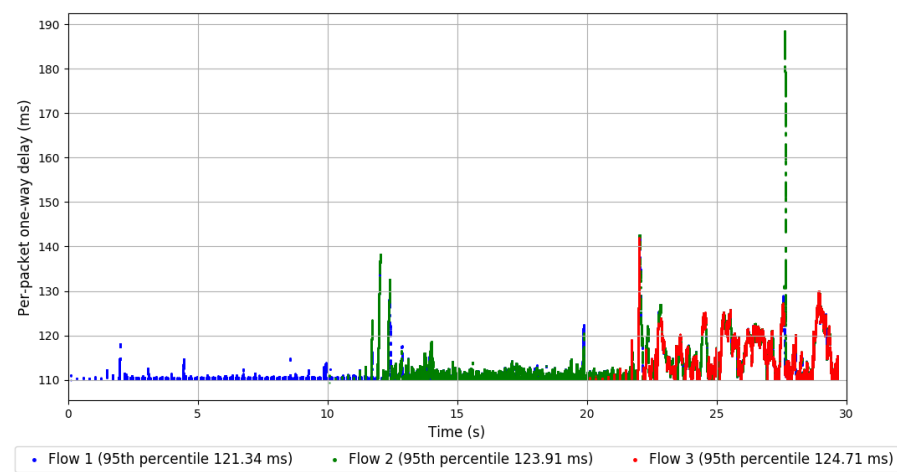
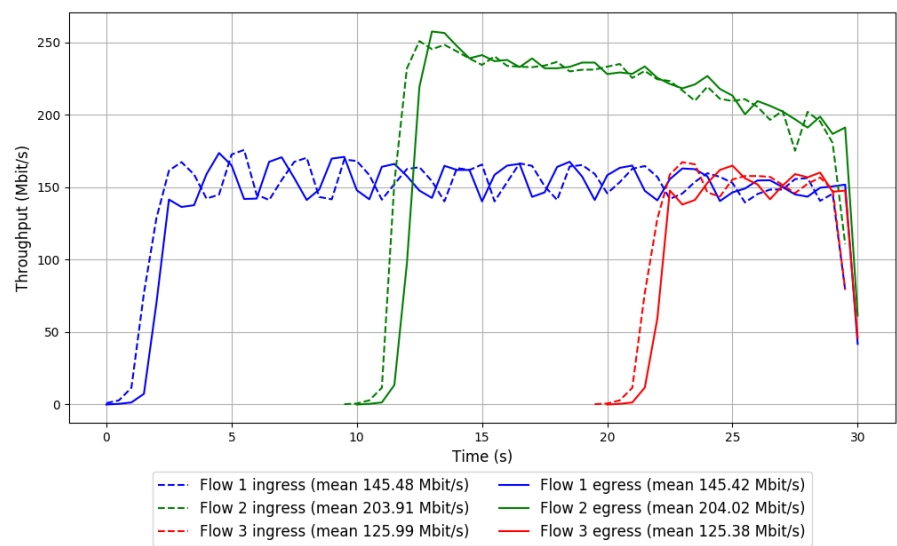


Run 2: Statistics of Indigo

Start at: 2018-07-10 13:36:30
End at: 2018-07-10 13:37:00
Local clock offset: -1.278 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.19 Mbit/s
95th percentile per-packet one-way delay: 123.424 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 145.42 Mbit/s
95th percentile per-packet one-way delay: 121.342 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 123.913 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 125.38 Mbit/s
95th percentile per-packet one-way delay: 124.710 ms
Loss rate: 2.75%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 14:03:11

End at: 2018-07-10 14:03:41

Local clock offset: 1.126 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-10 19:21:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.00 Mbit/s

95th percentile per-packet one-way delay: 132.432 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 143.89 Mbit/s

95th percentile per-packet one-way delay: 127.156 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 196.87 Mbit/s

95th percentile per-packet one-way delay: 134.738 ms

Loss rate: 0.93%

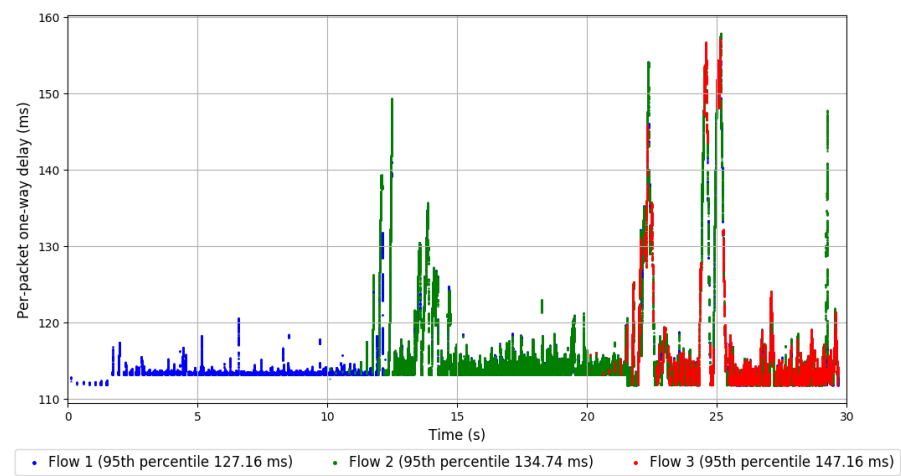
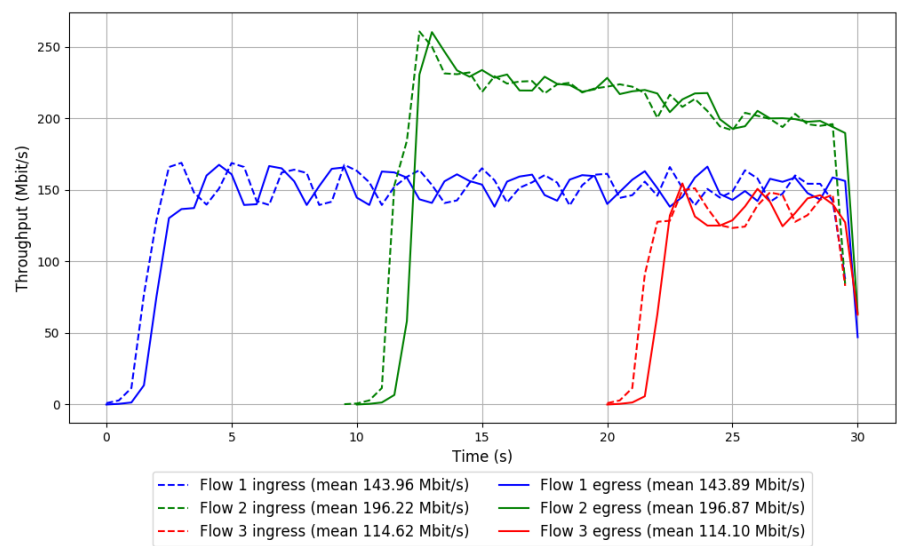
-- Flow 3:

Average throughput: 114.10 Mbit/s

95th percentile per-packet one-way delay: 147.162 ms

Loss rate: 2.81%

Run 3: Report of Indigo — Data Link

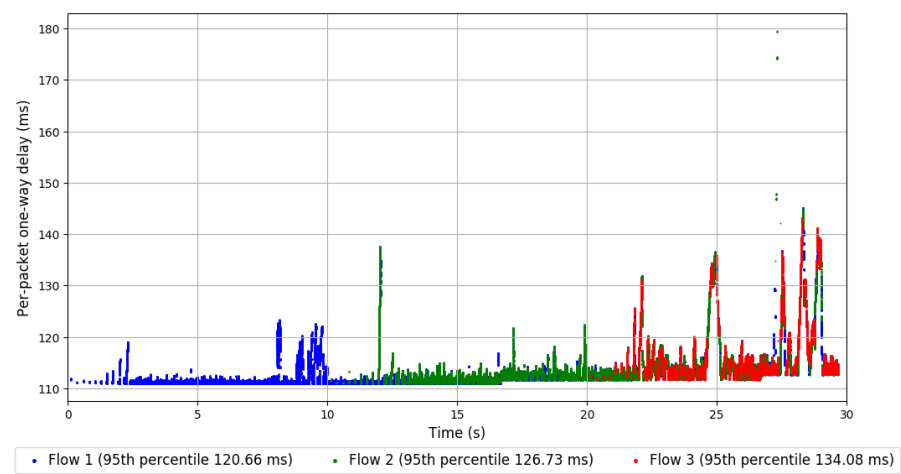
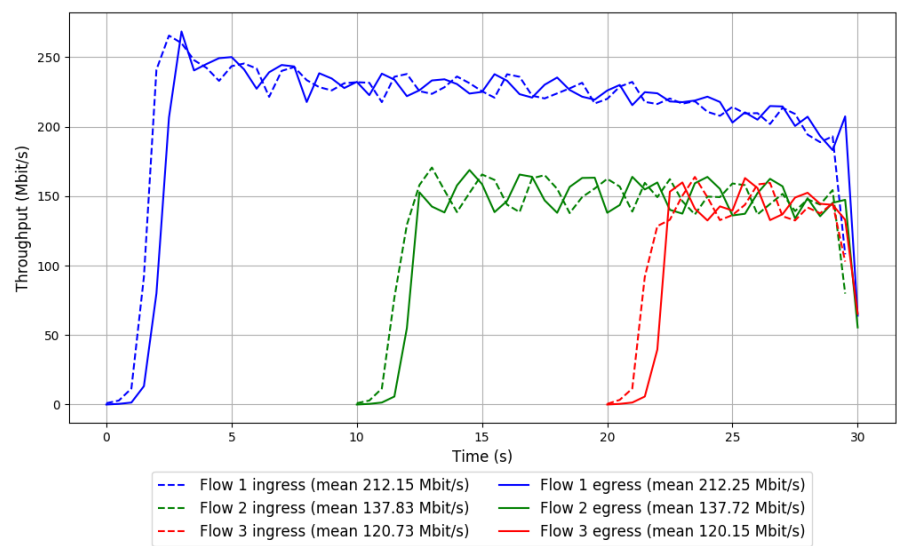


Run 4: Statistics of Indigo

Start at: 2018-07-10 14:29:06
End at: 2018-07-10 14:29:36
Local clock offset: -0.152 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.12 Mbit/s
95th percentile per-packet one-way delay: 124.906 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 212.25 Mbit/s
95th percentile per-packet one-way delay: 120.662 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 137.72 Mbit/s
95th percentile per-packet one-way delay: 126.732 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 120.15 Mbit/s
95th percentile per-packet one-way delay: 134.083 ms
Loss rate: 2.78%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 14:54:58

End at: 2018-07-10 14:55:28

Local clock offset: -1.552 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-07-10 19:21:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.37 Mbit/s

95th percentile per-packet one-way delay: 119.613 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 146.32 Mbit/s

95th percentile per-packet one-way delay: 118.195 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 139.29 Mbit/s

95th percentile per-packet one-way delay: 118.986 ms

Loss rate: 1.22%

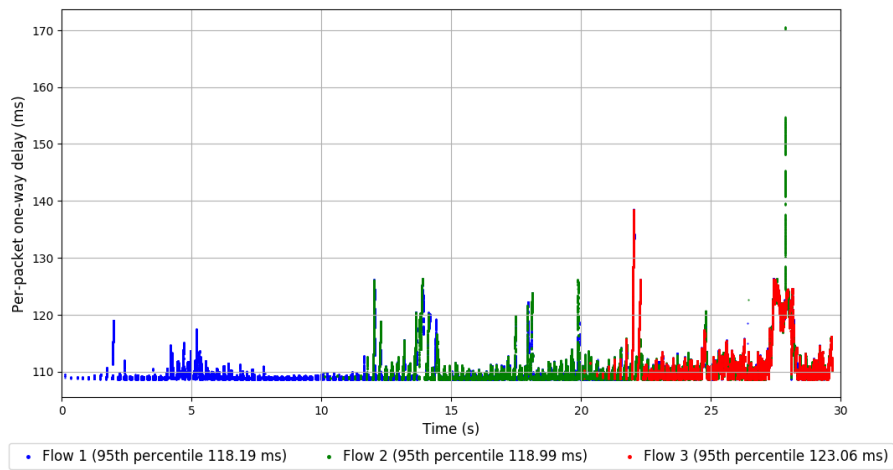
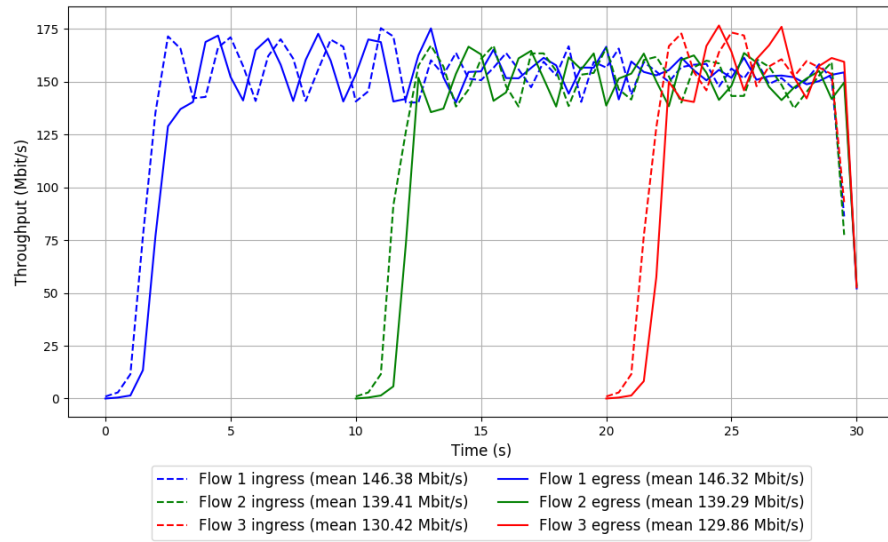
-- Flow 3:

Average throughput: 129.86 Mbit/s

95th percentile per-packet one-way delay: 123.065 ms

Loss rate: 2.73%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-10 15:21:21

End at: 2018-07-10 15:21:51

Local clock offset: -1.15 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-07-10 19:21:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.48 Mbit/s

95th percentile per-packet one-way delay: 119.042 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 151.21 Mbit/s

95th percentile per-packet one-way delay: 116.713 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 145.71 Mbit/s

95th percentile per-packet one-way delay: 120.948 ms

Loss rate: 1.21%

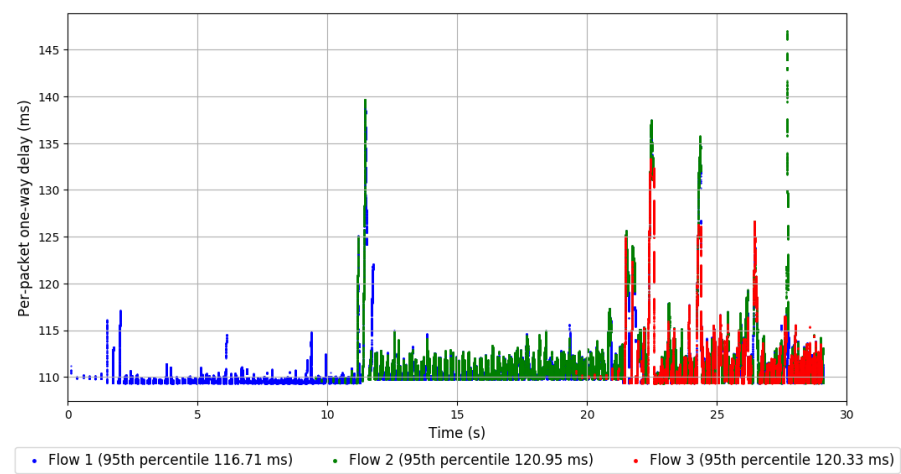
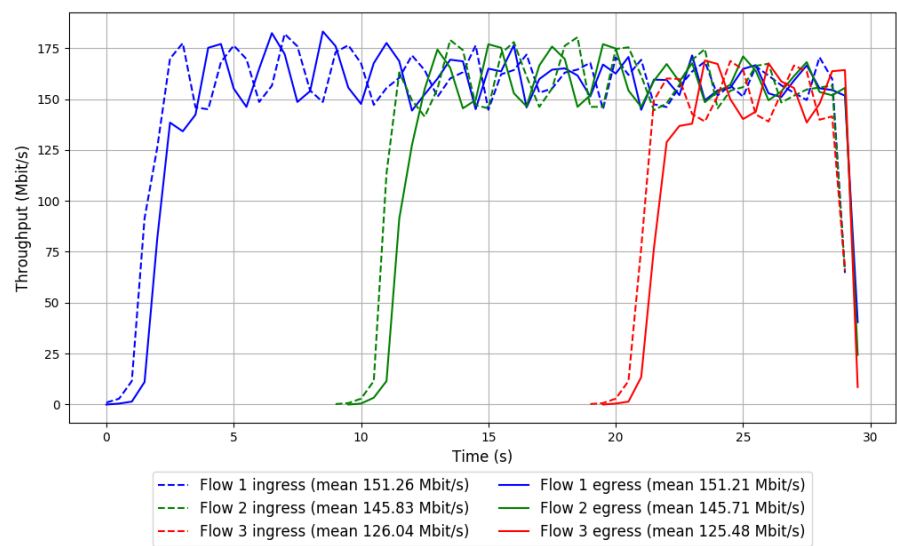
-- Flow 3:

Average throughput: 125.48 Mbit/s

95th percentile per-packet one-way delay: 120.326 ms

Loss rate: 2.83%

Run 6: Report of Indigo — Data Link

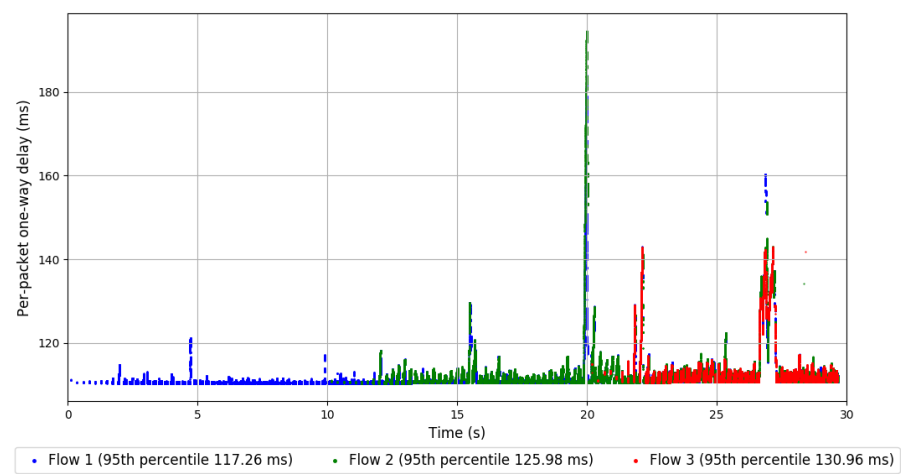
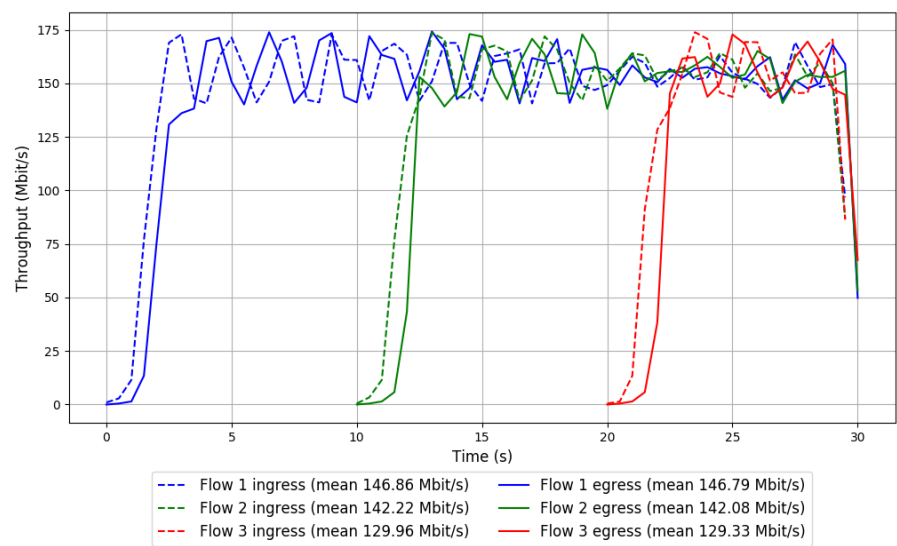


Run 7: Statistics of Indigo

Start at: 2018-07-10 15:48:00
End at: 2018-07-10 15:48:30
Local clock offset: -0.014 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.01 Mbit/s
95th percentile per-packet one-way delay: 122.054 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 117.259 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 142.08 Mbit/s
95th percentile per-packet one-way delay: 125.980 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 129.33 Mbit/s
95th percentile per-packet one-way delay: 130.961 ms
Loss rate: 2.80%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-10 16:14:22

End at: 2018-07-10 16:14:52

Local clock offset: 0.156 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-07-10 19:21:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.04 Mbit/s

95th percentile per-packet one-way delay: 137.752 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 146.53 Mbit/s

95th percentile per-packet one-way delay: 131.271 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 194.21 Mbit/s

95th percentile per-packet one-way delay: 138.059 ms

Loss rate: 1.00%

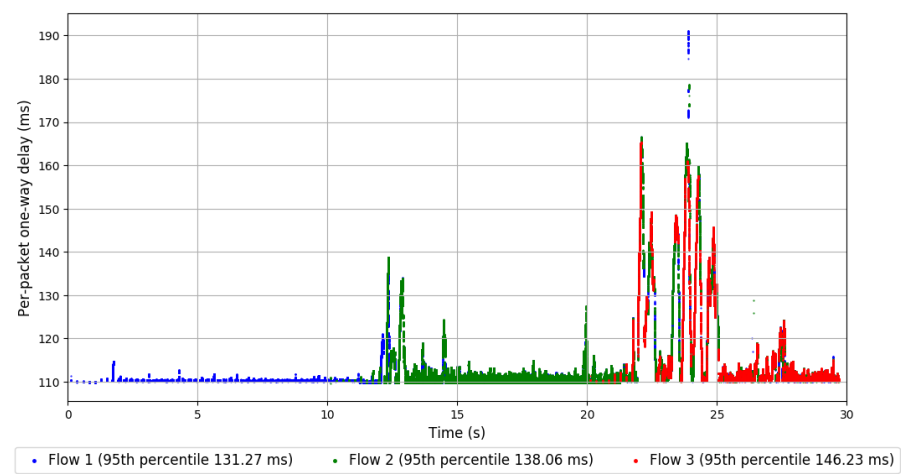
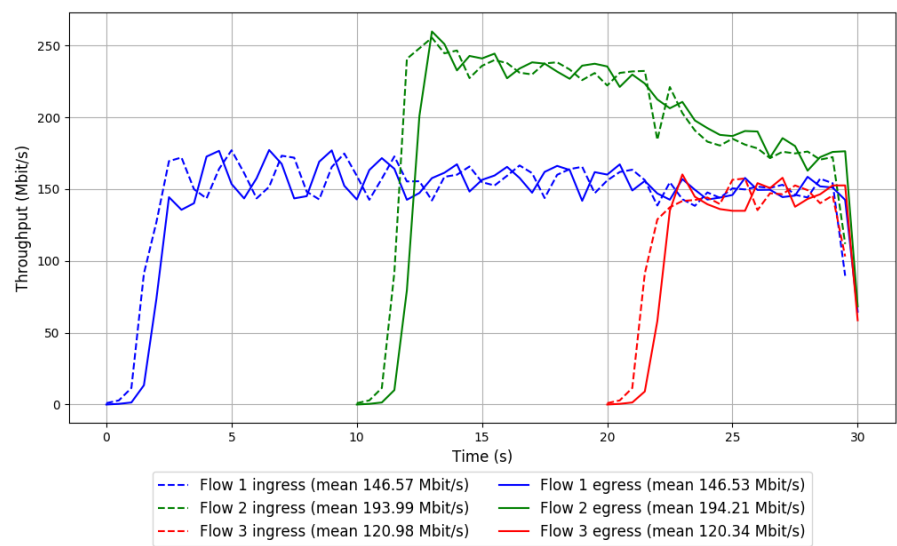
-- Flow 3:

Average throughput: 120.34 Mbit/s

95th percentile per-packet one-way delay: 146.227 ms

Loss rate: 2.78%

Run 8: Report of Indigo — Data Link

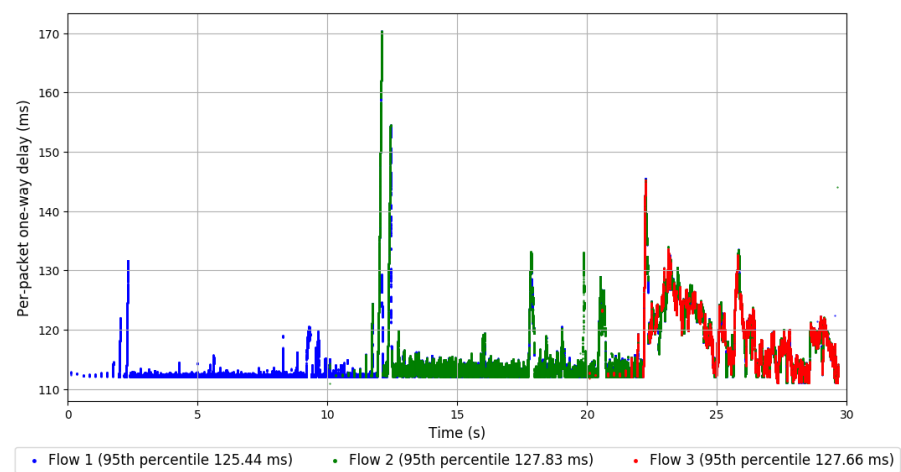
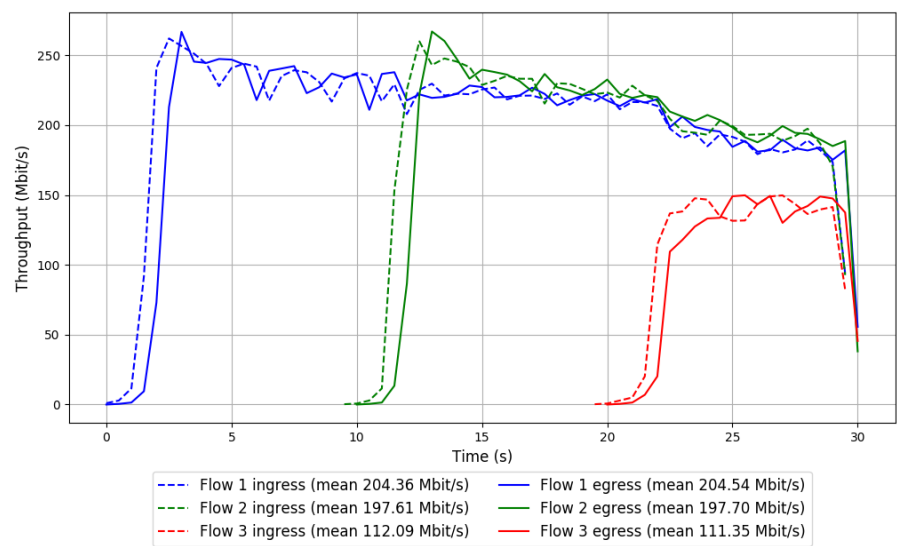


Run 9: Statistics of Indigo

Start at: 2018-07-10 16:40:46
End at: 2018-07-10 16:41:16
Local clock offset: 1.132 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.64 Mbit/s
95th percentile per-packet one-way delay: 126.647 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 204.54 Mbit/s
95th percentile per-packet one-way delay: 125.440 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 197.70 Mbit/s
95th percentile per-packet one-way delay: 127.833 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 111.35 Mbit/s
95th percentile per-packet one-way delay: 127.656 ms
Loss rate: 2.93%

Run 9: Report of Indigo — Data Link

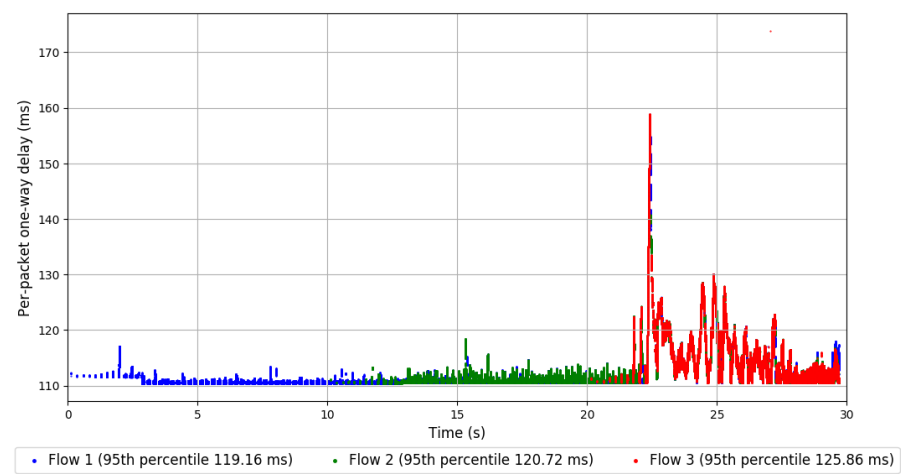
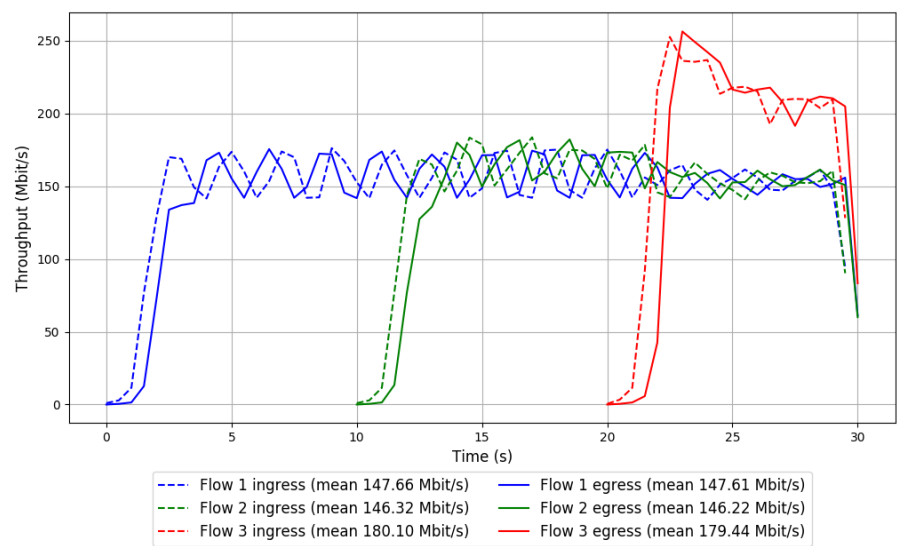


Run 10: Statistics of Indigo

Start at: 2018-07-10 17:07:20
End at: 2018-07-10 17:07:50
Local clock offset: 0.246 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-10 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.19 Mbit/s
95th percentile per-packet one-way delay: 121.396 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 119.159 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 146.22 Mbit/s
95th percentile per-packet one-way delay: 120.721 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 179.44 Mbit/s
95th percentile per-packet one-way delay: 125.857 ms
Loss rate: 2.64%

Run 10: Report of Indigo — Data Link

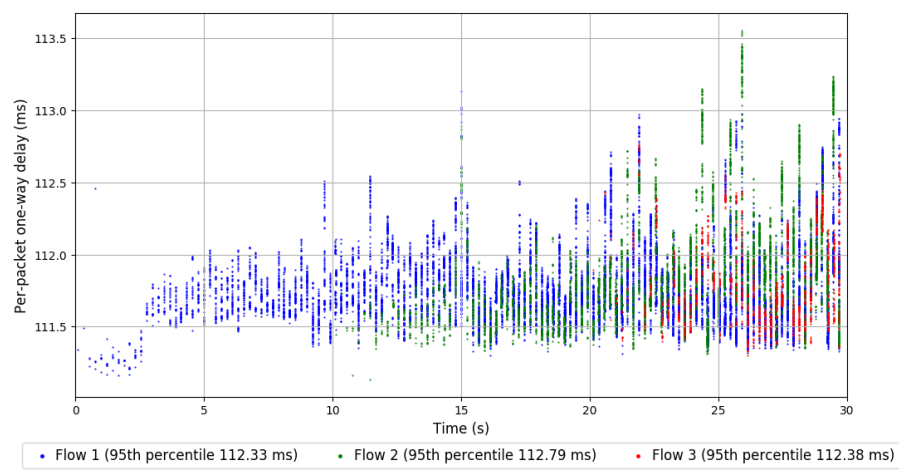
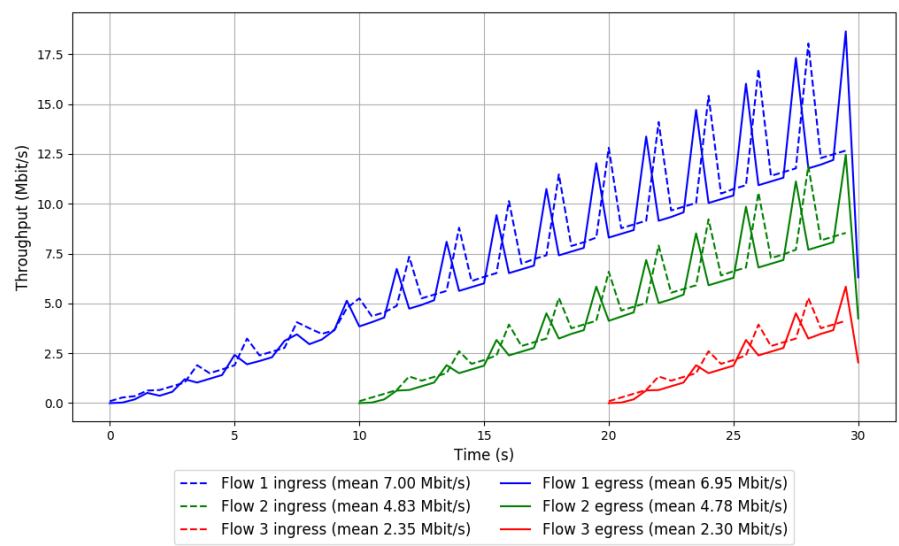


Run 1: Statistics of LEDBAT

Start at: 2018-07-10 13:20:40
End at: 2018-07-10 13:21:10
Local clock offset: -0.037 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 112.487 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 112.335 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 112.792 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 112.383 ms
Loss rate: 4.53%

Run 1: Report of LEDBAT — Data Link

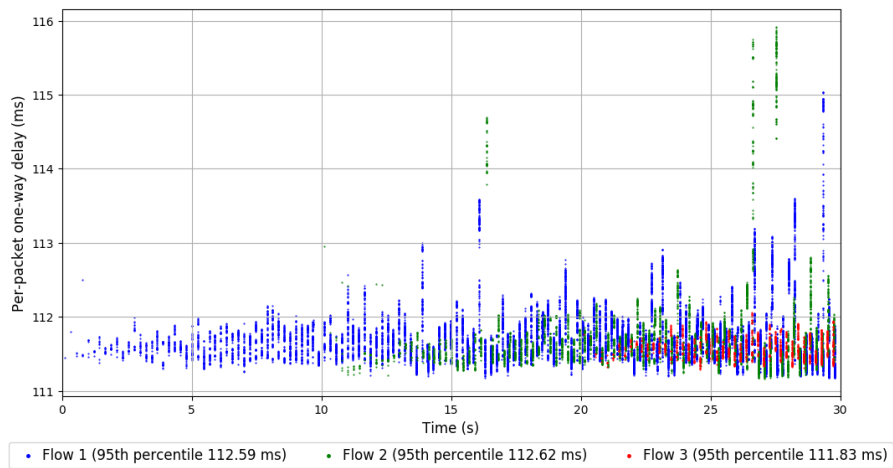
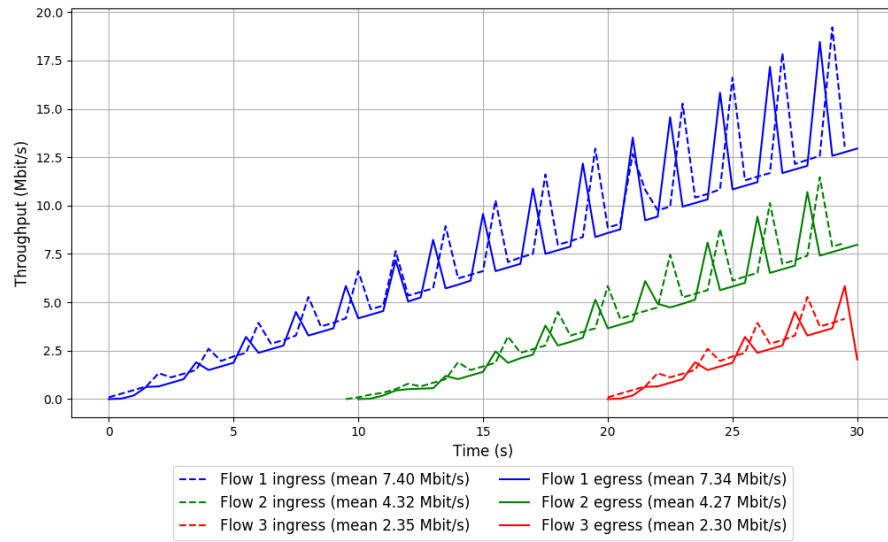


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 13:47:00
End at: 2018-07-10 13:47:30
Local clock offset: 0.131 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 112.547 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 112.588 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 112.621 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 111.827 ms
Loss rate: 4.57%

Run 2: Report of LEDBAT — Data Link

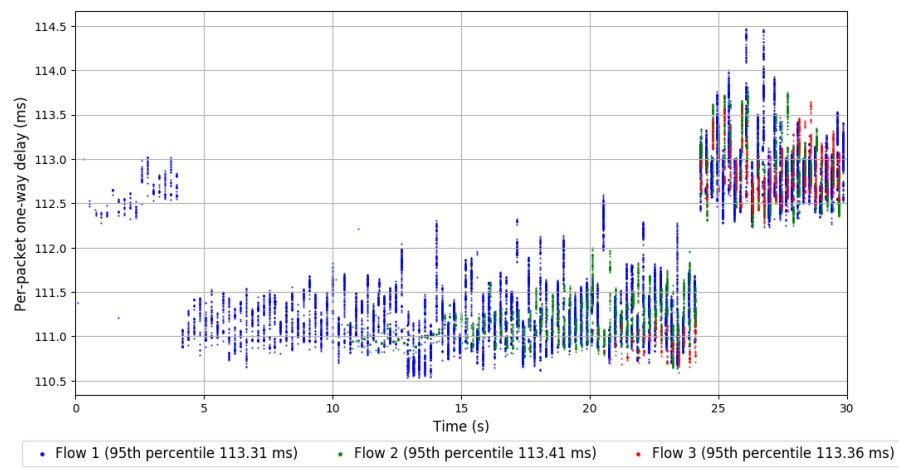
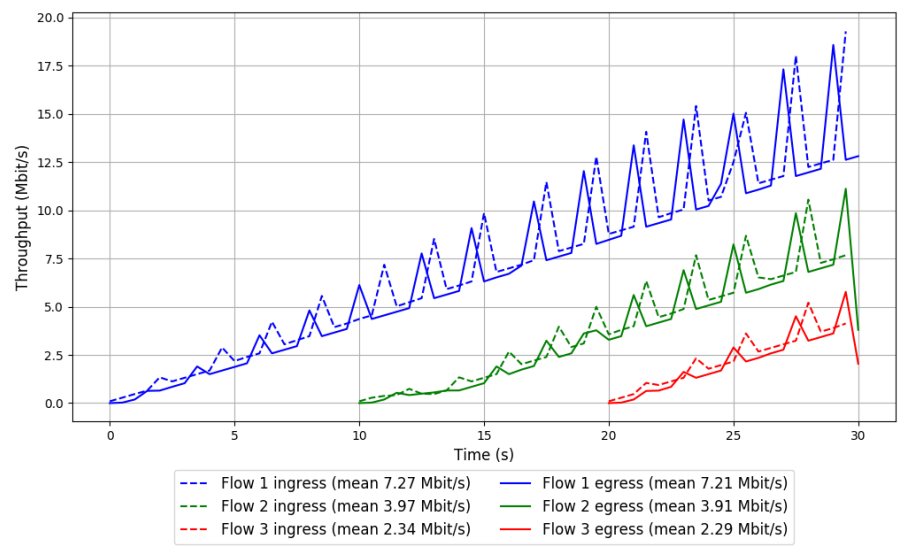


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 14:12:59
End at: 2018-07-10 14:13:29
Local clock offset: -0.199 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 113.343 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 113.310 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 113.414 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 113.358 ms
Loss rate: 4.55%

Run 3: Report of LEDBAT — Data Link

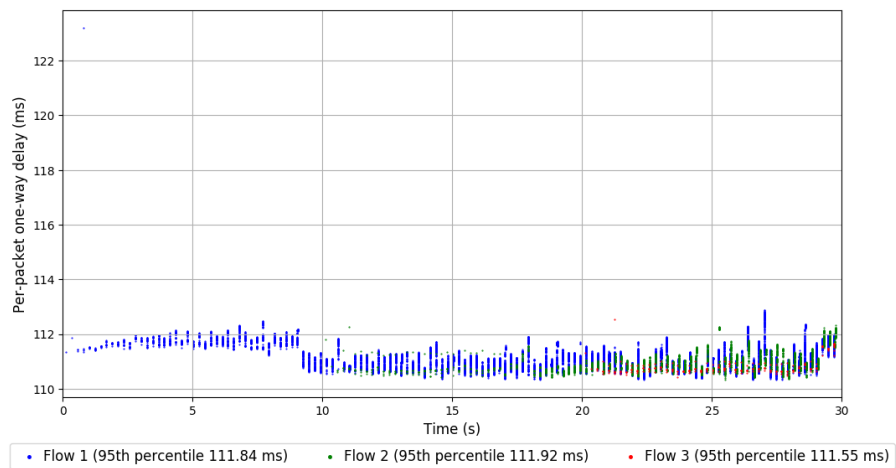
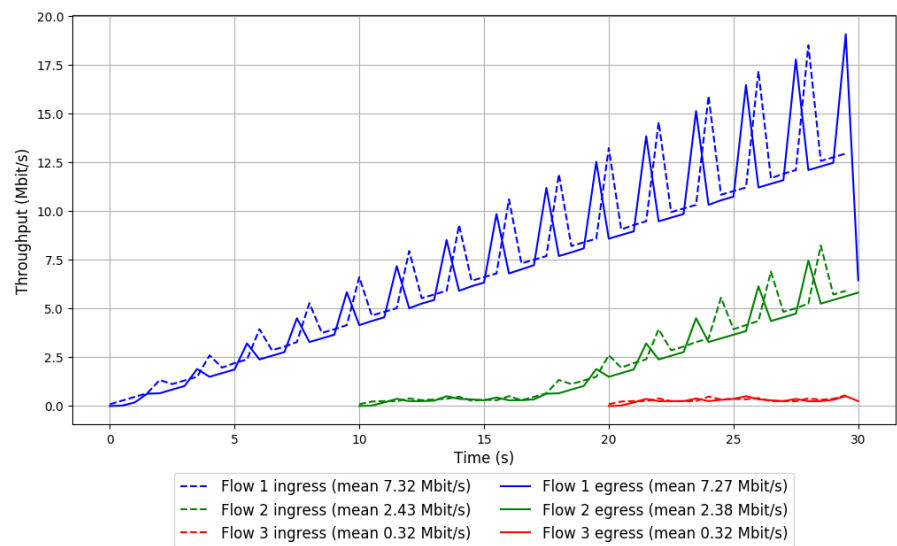


Run 4: Statistics of LEDBAT

Start at: 2018-07-10 14:39:14
End at: 2018-07-10 14:39:44
Local clock offset: -0.23 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 111.837 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 111.923 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 111.546 ms
Loss rate: 4.81%

Run 4: Report of LEDBAT — Data Link

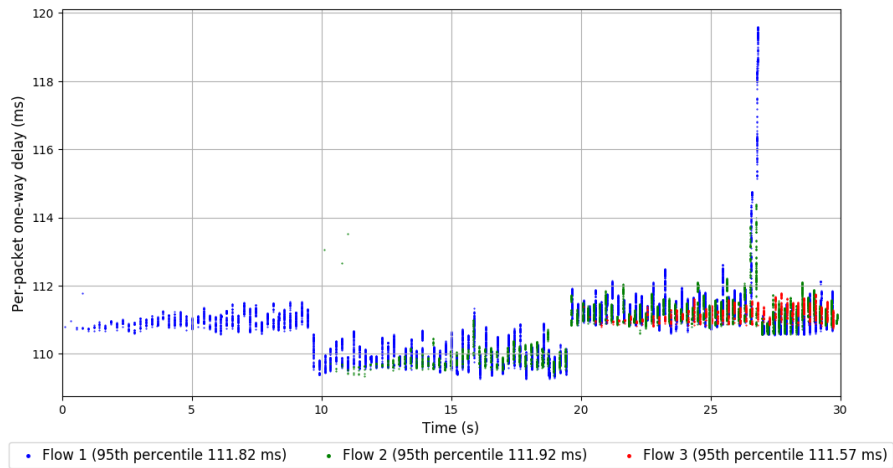
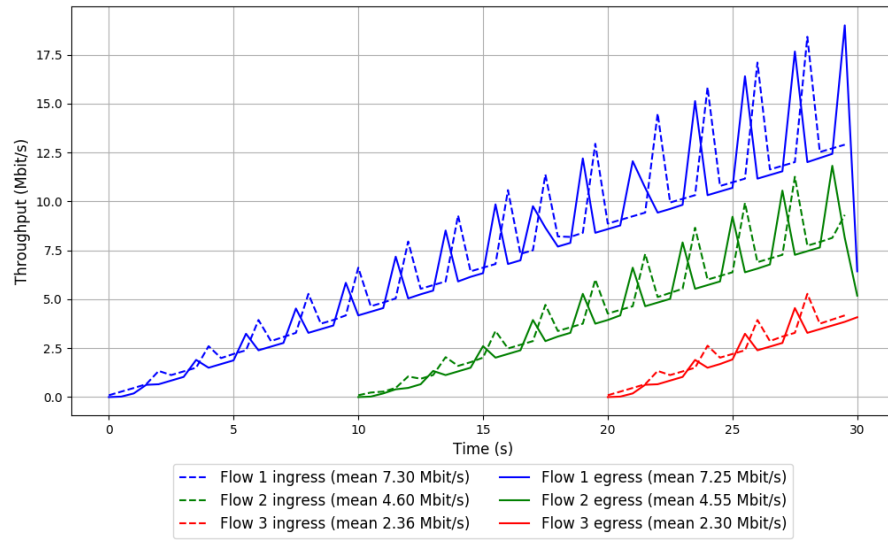


Run 5: Statistics of LEDBAT

Start at: 2018-07-10 15:05:23
End at: 2018-07-10 15:05:53
Local clock offset: -0.291 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 111.828 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 111.917 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 111.572 ms
Loss rate: 4.55%

Run 5: Report of LEDBAT — Data Link

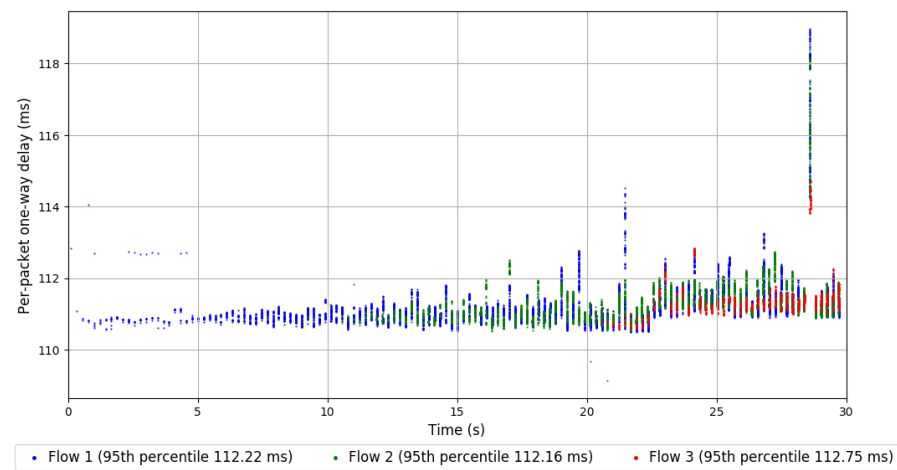
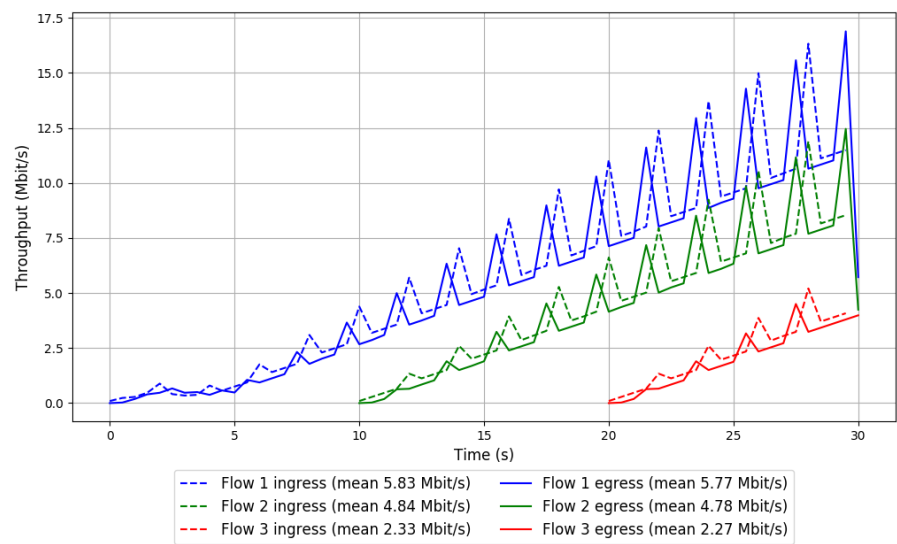


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 15:31:51
End at: 2018-07-10 15:32:21
Local clock offset: -0.344 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 112.198 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 112.220 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 112.155 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 112.748 ms
Loss rate: 4.51%

Run 6: Report of LEDBAT — Data Link

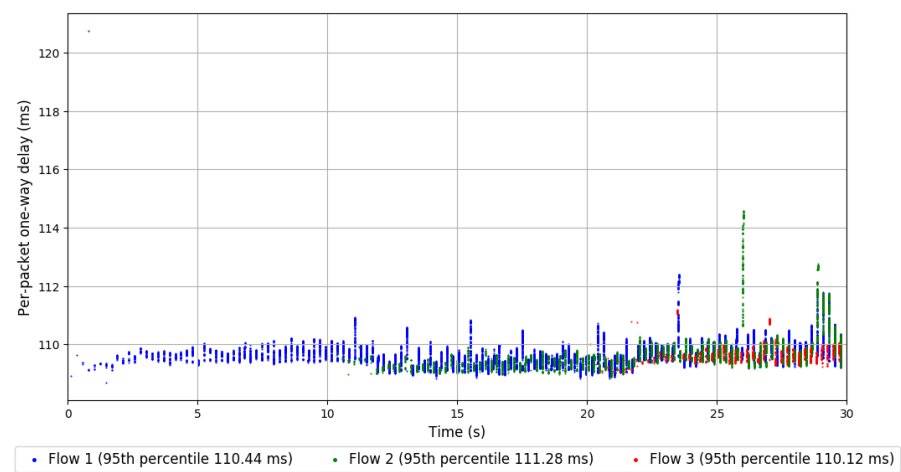
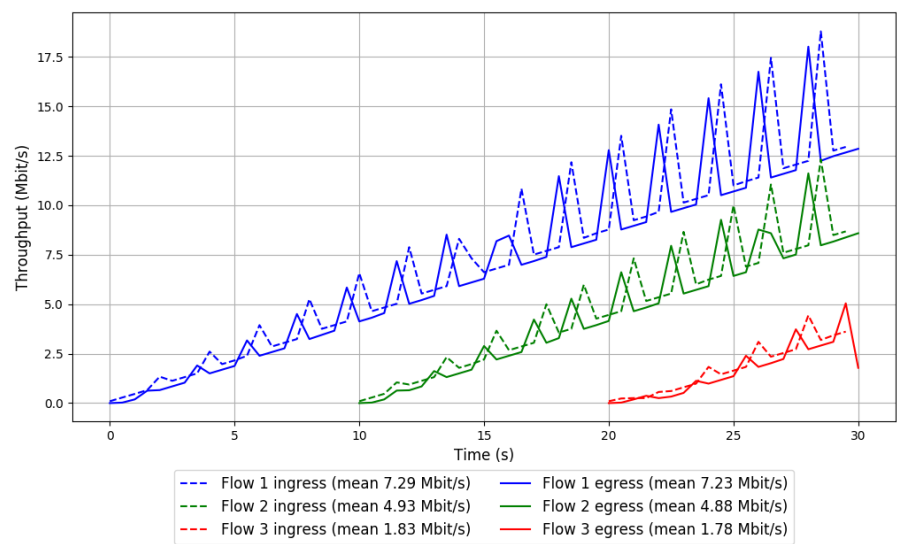


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 15:58:21
End at: 2018-07-10 15:58:51
Local clock offset: -1.487 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 110.533 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 110.441 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 111.277 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 110.119 ms
Loss rate: 5.10%

Run 7: Report of LEDBAT — Data Link

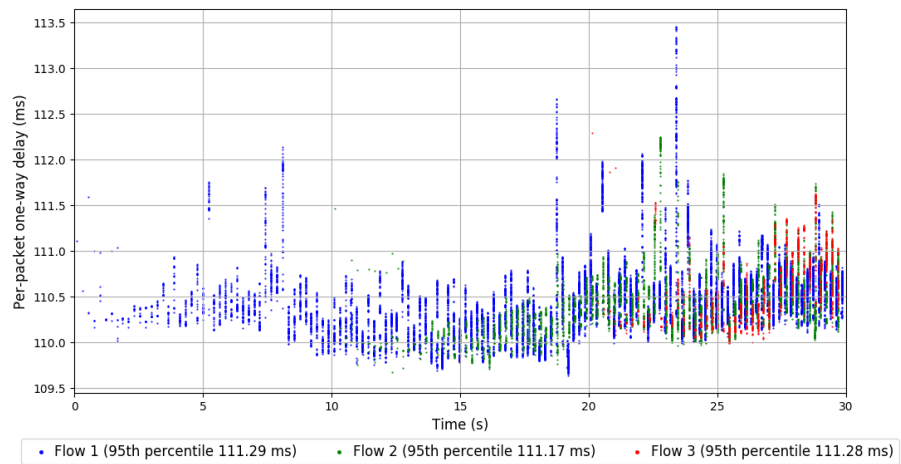
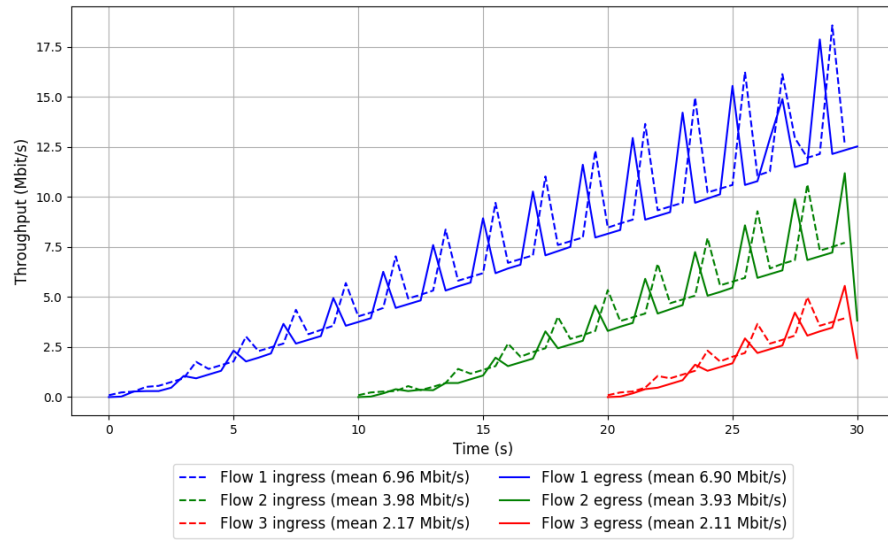


Run 8: Statistics of LEDBAT

Start at: 2018-07-10 16:24:44
End at: 2018-07-10 16:25:14
Local clock offset: -0.34 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 111.289 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 111.175 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 111.275 ms
Loss rate: 4.71%

Run 8: Report of LEDBAT — Data Link

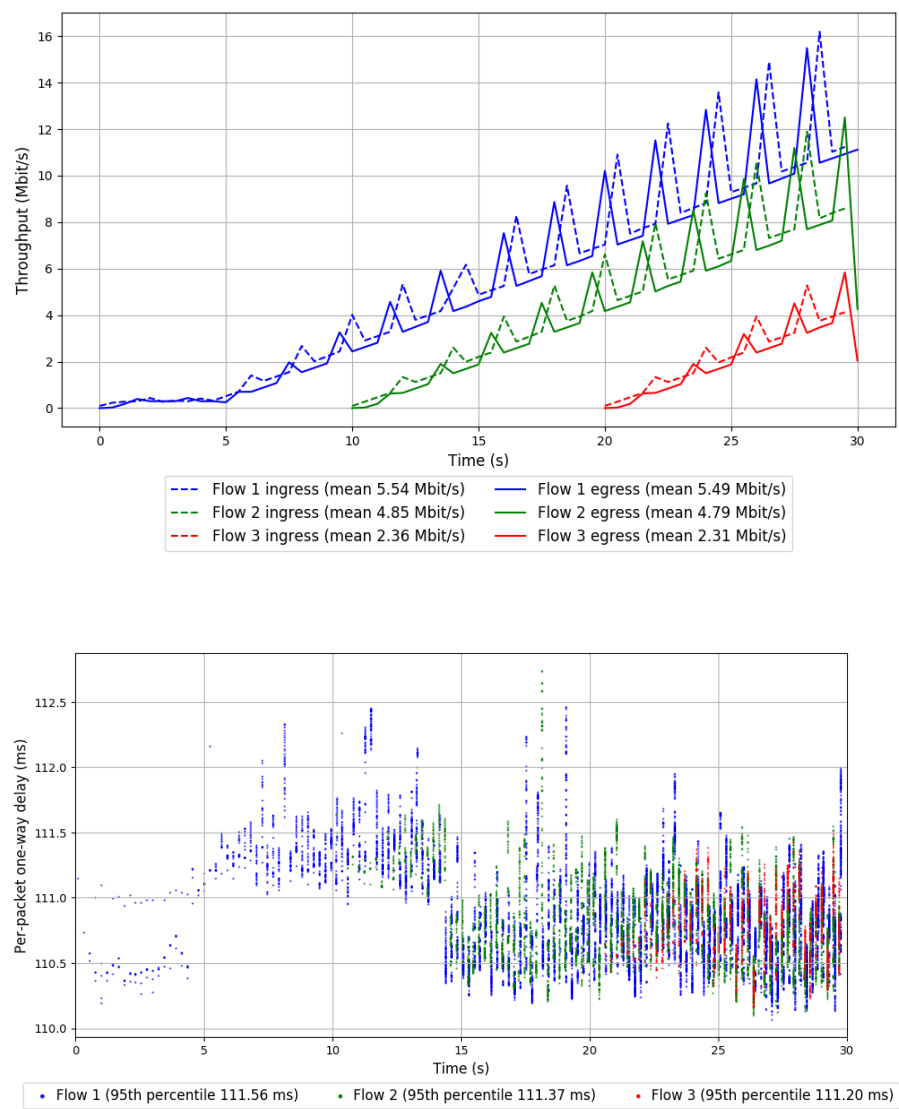


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 16:51:09
End at: 2018-07-10 16:51:39
Local clock offset: -0.076 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 111.476 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 111.561 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 111.371 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 111.199 ms
Loss rate: 4.53%

Run 9: Report of LEDBAT — Data Link

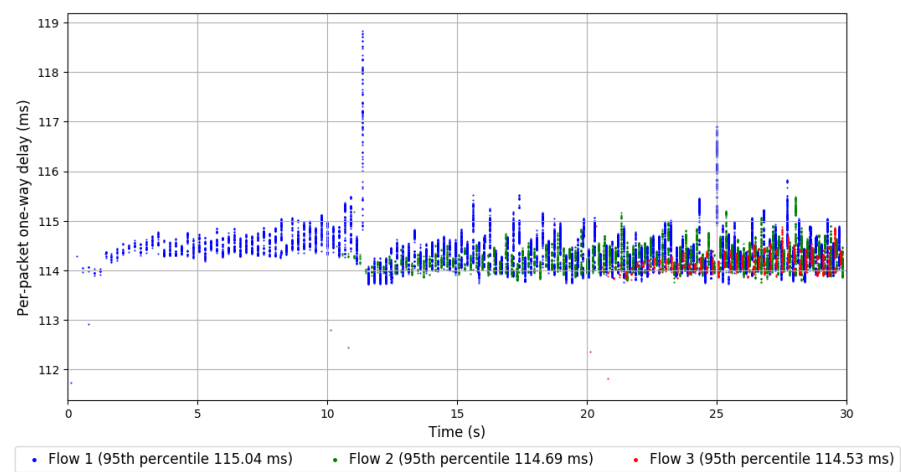
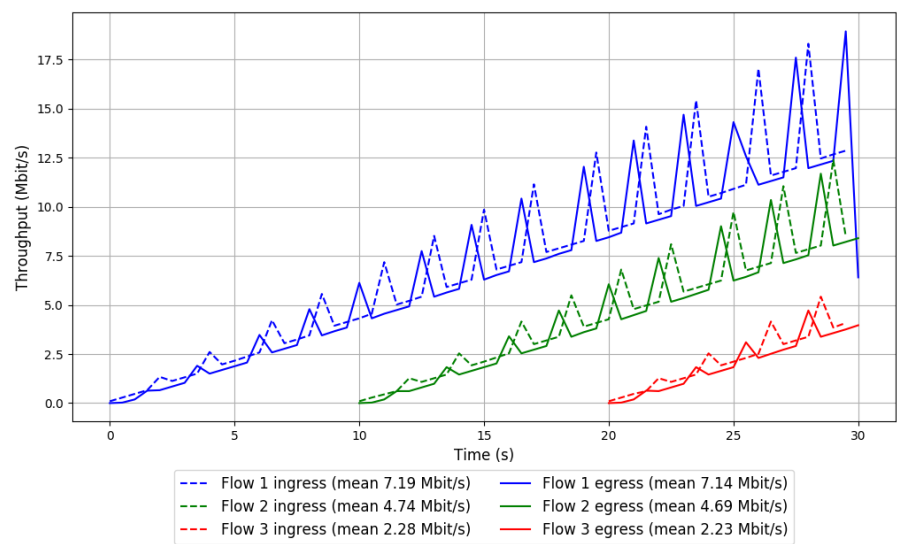


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 17:17:52
End at: 2018-07-10 17:18:22
Local clock offset: 1.384 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 114.959 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 115.042 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 114.695 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 114.529 ms
Loss rate: 4.59%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 13:11:52

End at: 2018-07-10 13:12:22

Local clock offset: -0.129 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-10 19:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 514.01 Mbit/s

95th percentile per-packet one-way delay: 239.954 ms

Loss rate: 2.14%

-- Flow 1:

Average throughput: 491.39 Mbit/s

95th percentile per-packet one-way delay: 239.706 ms

Loss rate: 2.13%

-- Flow 2:

Average throughput: 33.20 Mbit/s

95th percentile per-packet one-way delay: 243.416 ms

Loss rate: 2.41%

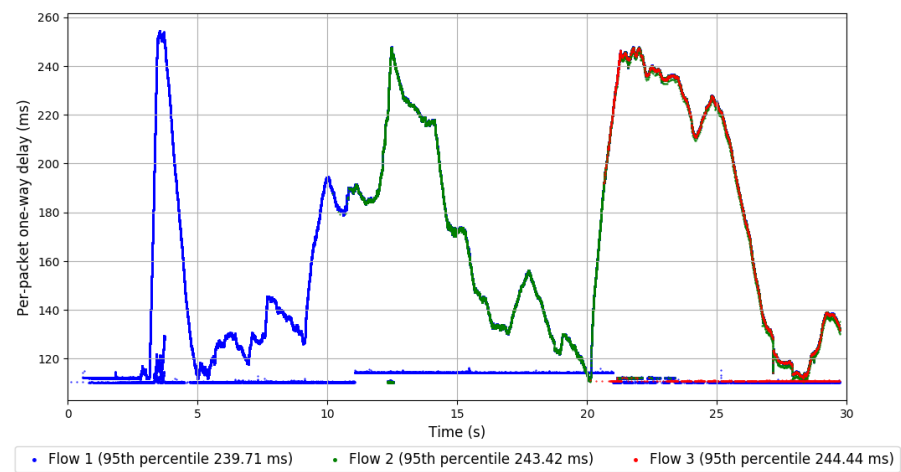
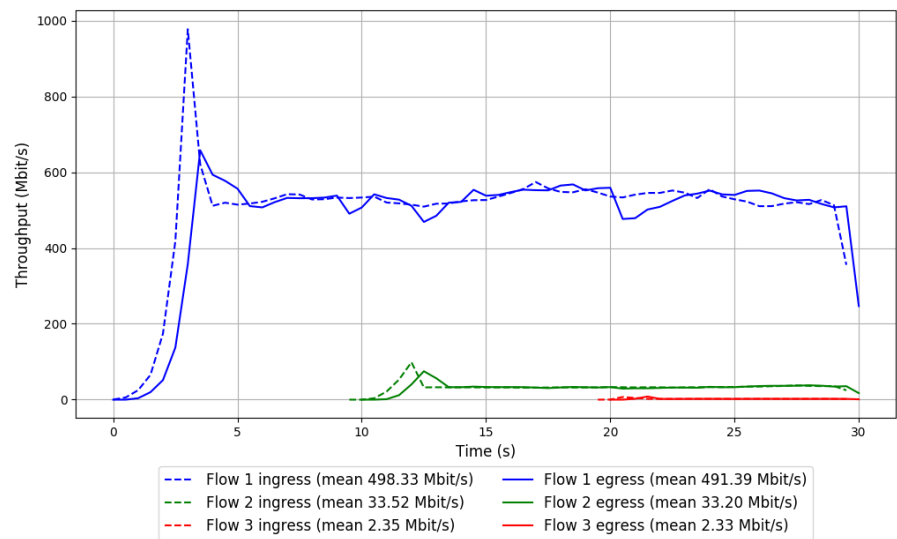
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 244.441 ms

Loss rate: 3.18%

Run 1: Report of PCC-Allegro — Data Link

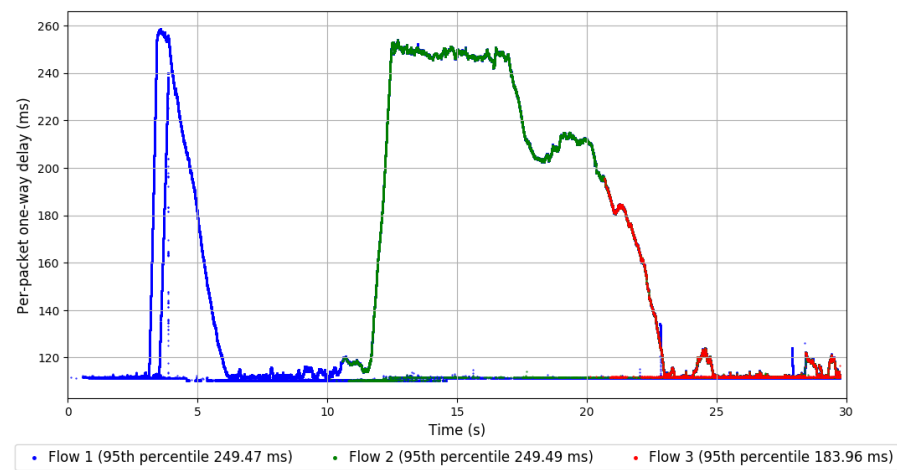
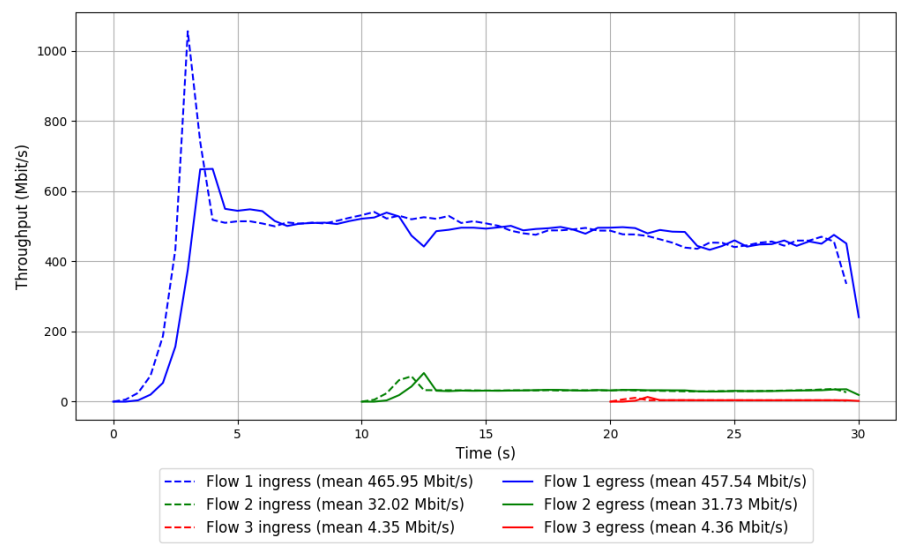


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 13:38:08
End at: 2018-07-10 13:38:38
Local clock offset: -0.134 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-07-10 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.89 Mbit/s
95th percentile per-packet one-way delay: 249.458 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 457.54 Mbit/s
95th percentile per-packet one-way delay: 249.466 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 249.490 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 183.957 ms
Loss rate: 2.09%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 14:04:49

End at: 2018-07-10 14:05:19

Local clock offset: -0.143 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-10 19:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.54 Mbit/s

95th percentile per-packet one-way delay: 169.329 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 269.44 Mbit/s

95th percentile per-packet one-way delay: 164.018 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 130.30 Mbit/s

95th percentile per-packet one-way delay: 179.393 ms

Loss rate: 1.46%

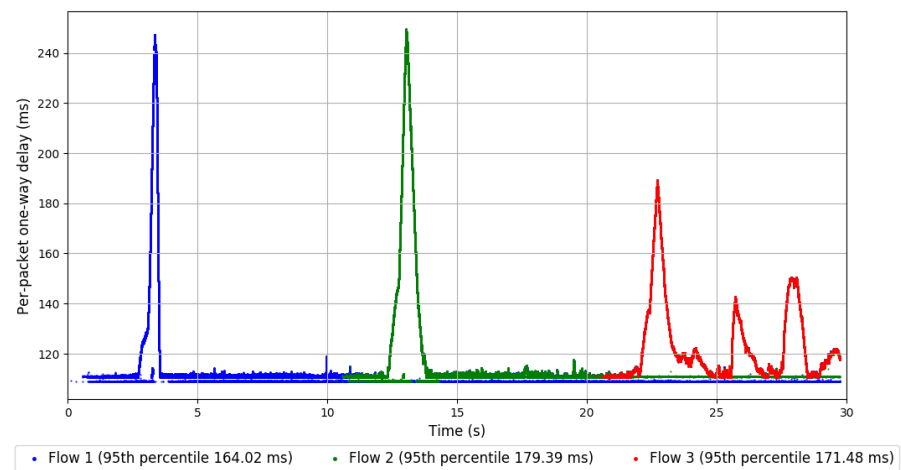
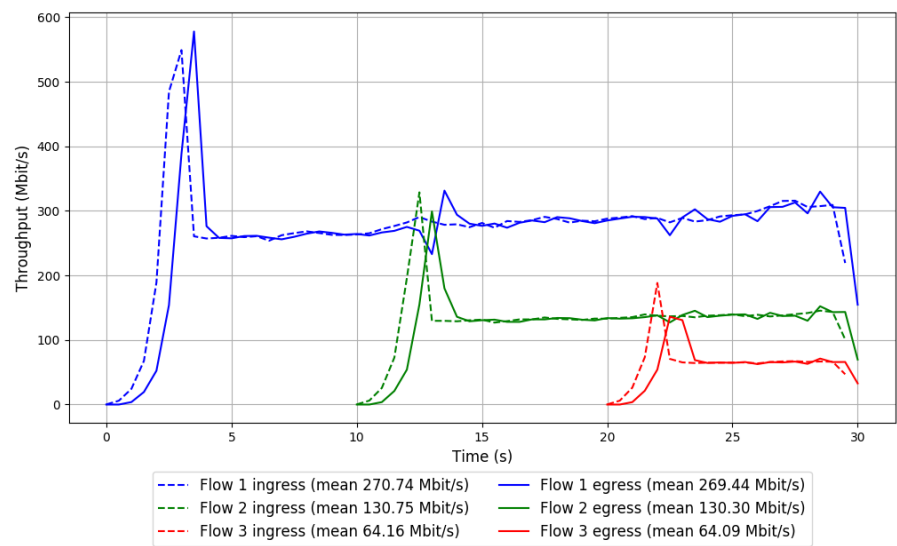
-- Flow 3:

Average throughput: 64.09 Mbit/s

95th percentile per-packet one-way delay: 171.478 ms

Loss rate: 2.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 14:30:46

End at: 2018-07-10 14:31:16

Local clock offset: -0.347 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-10 19:22:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.15 Mbit/s

95th percentile per-packet one-way delay: 247.674 ms

Loss rate: 3.84%

-- Flow 1:

Average throughput: 439.19 Mbit/s

95th percentile per-packet one-way delay: 247.722 ms

Loss rate: 3.78%

-- Flow 2:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 247.203 ms

Loss rate: 4.50%

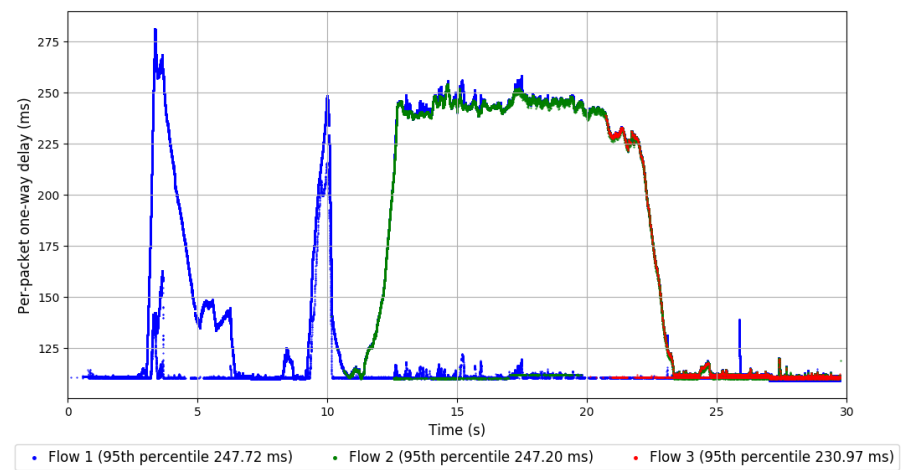
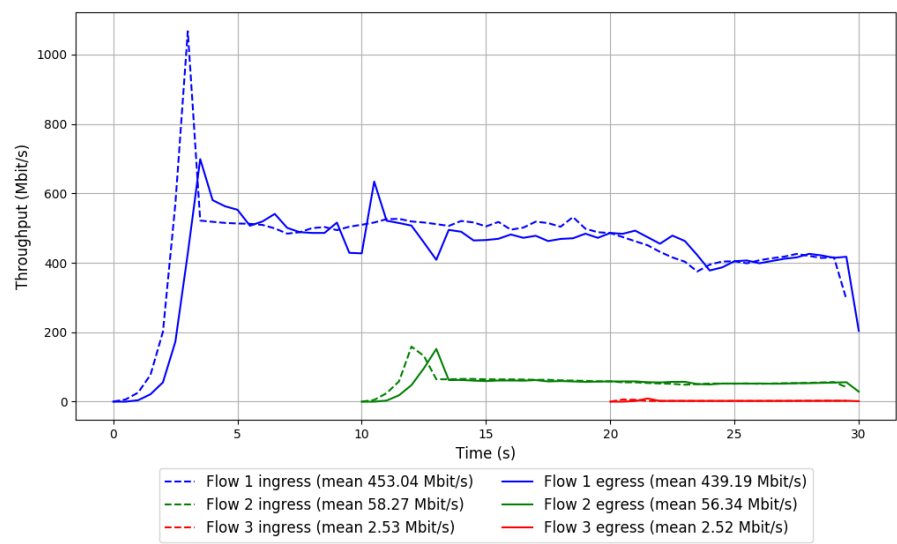
-- Flow 3:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 230.973 ms

Loss rate: 2.53%

Run 4: Report of PCC-Allegro — Data Link

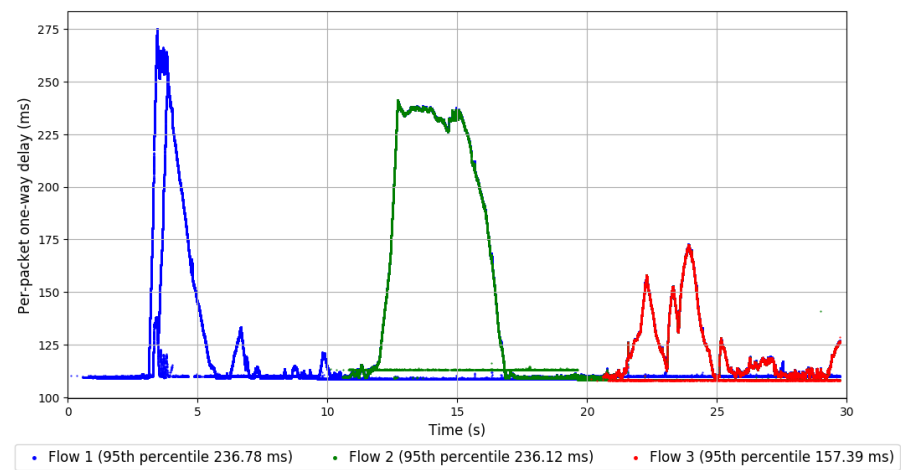
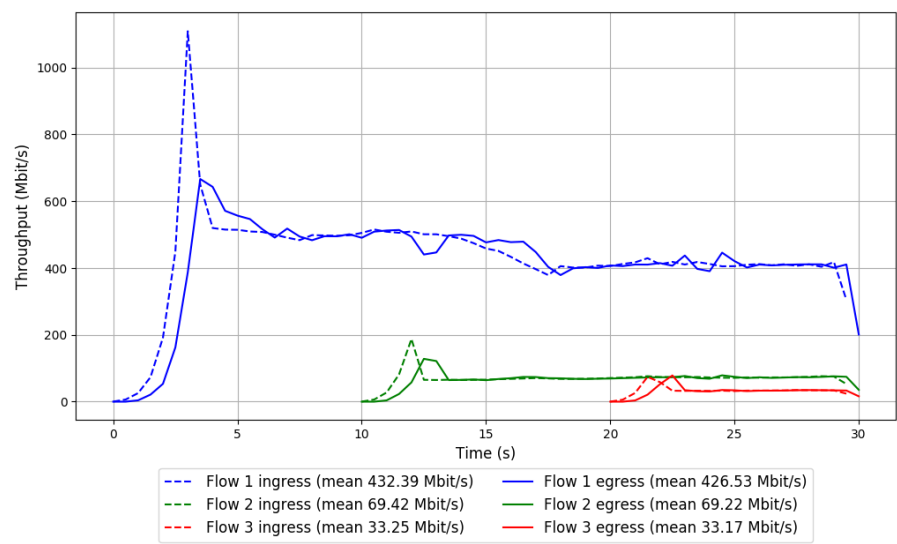


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 14:56:33
End at: 2018-07-10 14:57:03
Local clock offset: -1.309 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-10 19:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.08 Mbit/s
95th percentile per-packet one-way delay: 236.635 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 426.53 Mbit/s
95th percentile per-packet one-way delay: 236.783 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 236.117 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 157.387 ms
Loss rate: 2.46%

Run 5: Report of PCC-Allegro — Data Link

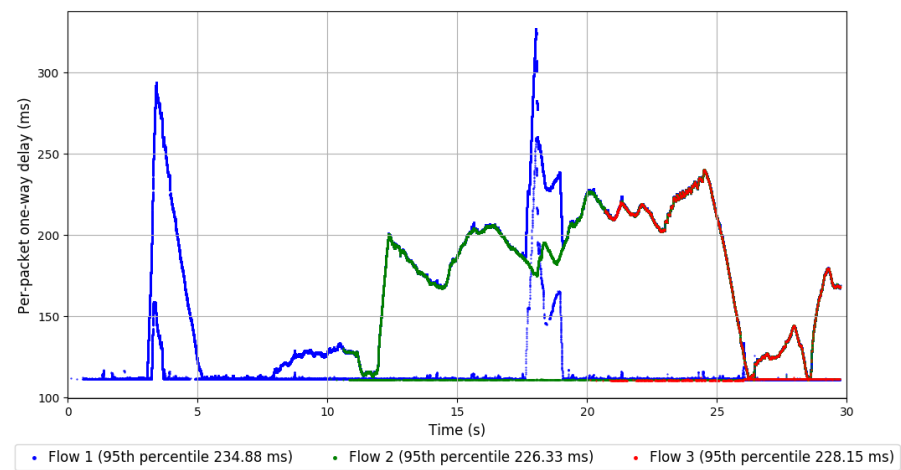
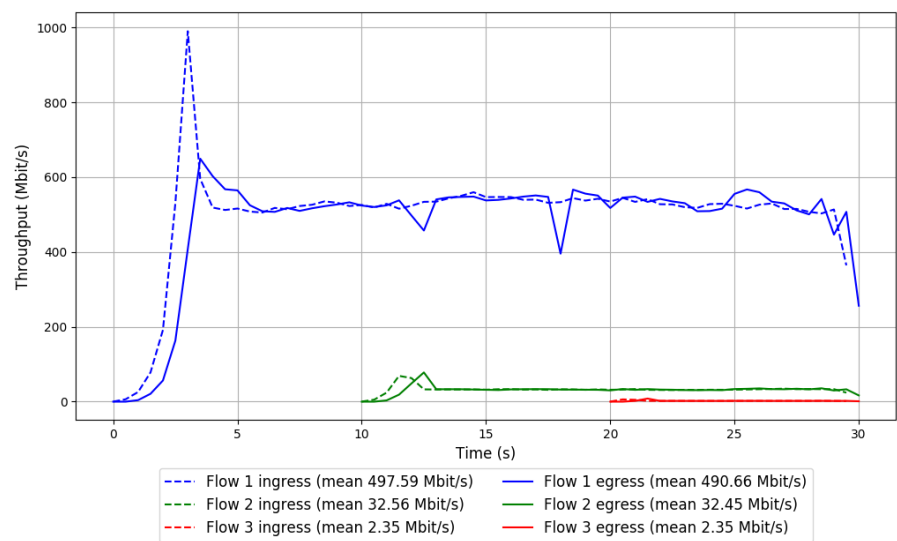


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 15:22:57
End at: 2018-07-10 15:23:27
Local clock offset: -0.016 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-10 19:23:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.90 Mbit/s
95th percentile per-packet one-way delay: 234.519 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 490.66 Mbit/s
95th percentile per-packet one-way delay: 234.884 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 226.326 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 228.149 ms
Loss rate: 2.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 15:49:35

End at: 2018-07-10 15:50:05

Local clock offset: 1.17 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-10 19:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 522.10 Mbit/s

95th percentile per-packet one-way delay: 238.794 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 476.54 Mbit/s

95th percentile per-packet one-way delay: 238.936 ms

Loss rate: 2.39%

-- Flow 2:

Average throughput: 60.91 Mbit/s

95th percentile per-packet one-way delay: 238.353 ms

Loss rate: 1.80%

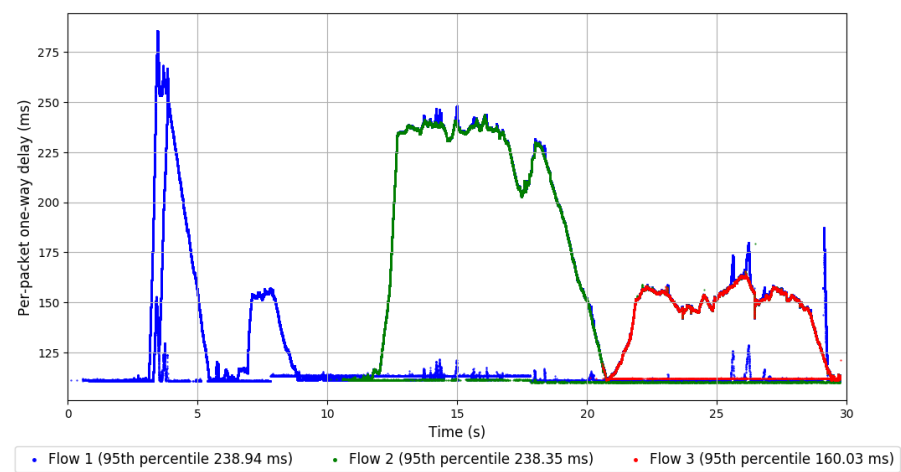
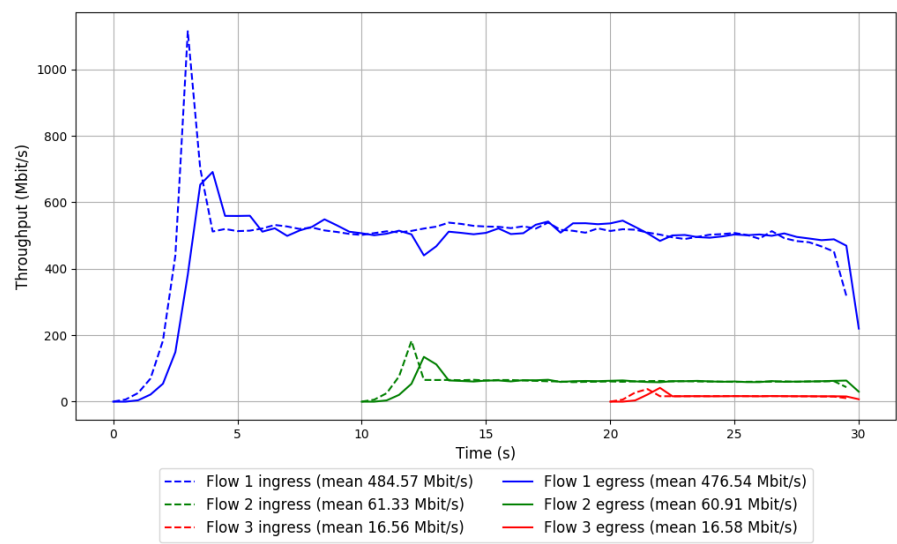
-- Flow 3:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 160.035 ms

Loss rate: 2.03%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 16:15:59

End at: 2018-07-10 16:16:29

Local clock offset: -0.065 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-07-10 19:28:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 513.80 Mbit/s

95th percentile per-packet one-way delay: 241.996 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 473.20 Mbit/s

95th percentile per-packet one-way delay: 241.996 ms

Loss rate: 5.04%

-- Flow 2:

Average throughput: 60.19 Mbit/s

95th percentile per-packet one-way delay: 241.980 ms

Loss rate: 5.54%

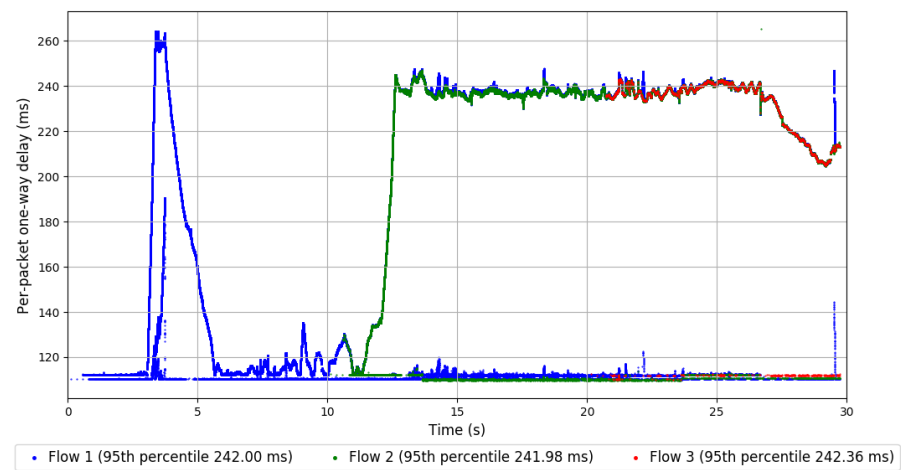
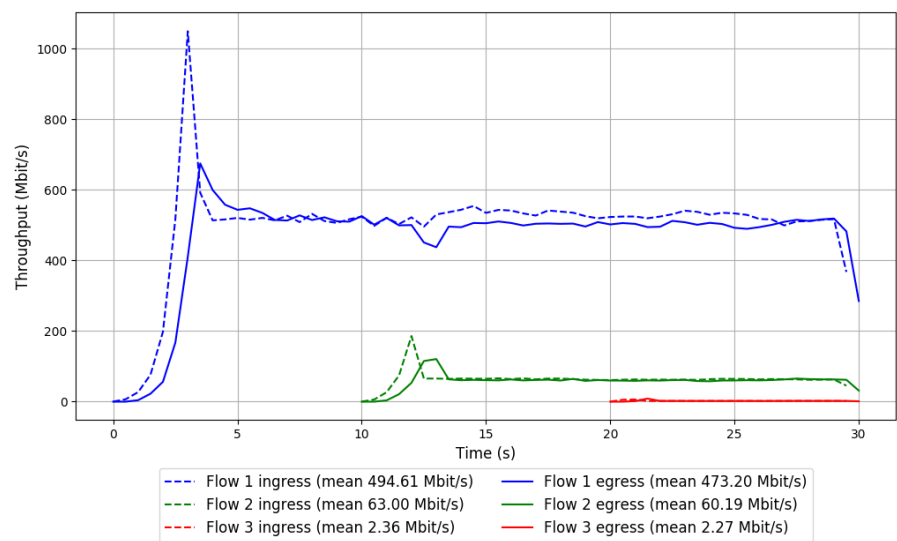
-- Flow 3:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 242.364 ms

Loss rate: 6.08%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 16:42:27

End at: 2018-07-10 16:42:57

Local clock offset: 0.064 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-07-10 19:29:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.04 Mbit/s

95th percentile per-packet one-way delay: 240.192 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 451.45 Mbit/s

95th percentile per-packet one-way delay: 240.328 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 66.44 Mbit/s

95th percentile per-packet one-way delay: 241.464 ms

Loss rate: 2.17%

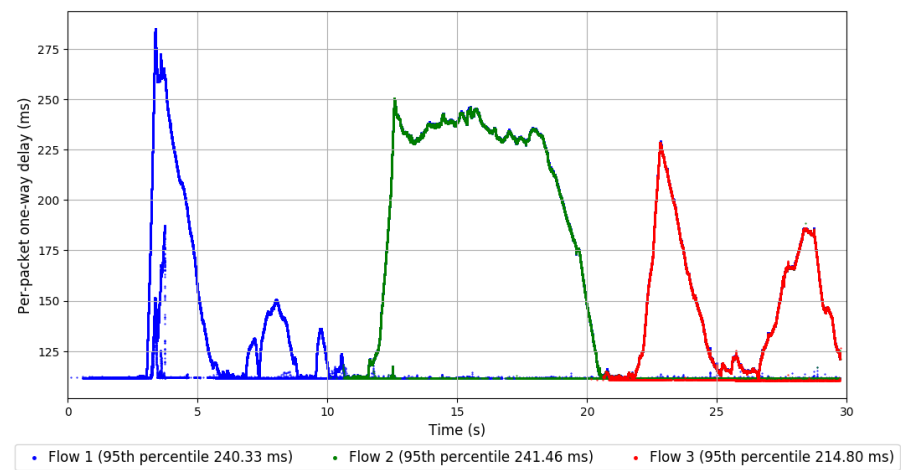
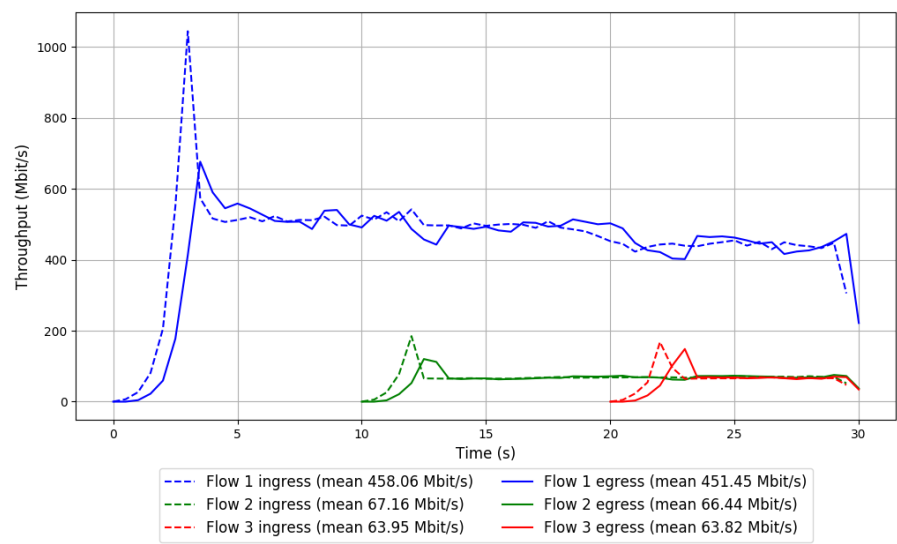
-- Flow 3:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 214.803 ms

Loss rate: 2.41%

Run 9: Report of PCC-Allegro — Data Link

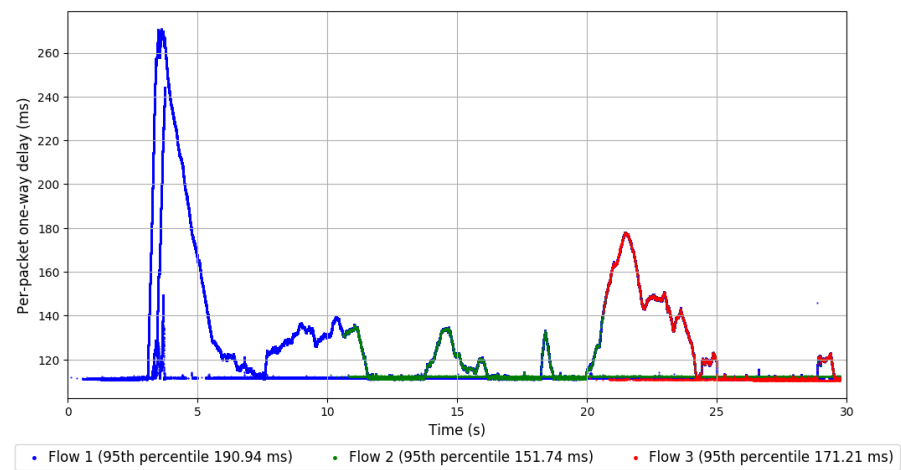
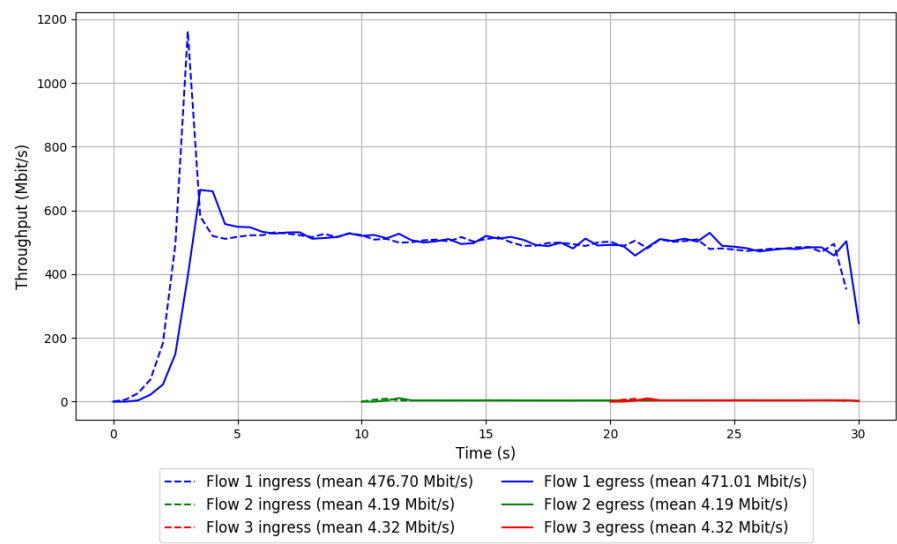


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 17:08:57
End at: 2018-07-10 17:09:27
Local clock offset: 0.238 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-07-10 19:29:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.18 Mbit/s
95th percentile per-packet one-way delay: 190.355 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 471.01 Mbit/s
95th percentile per-packet one-way delay: 190.939 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 151.735 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 171.208 ms
Loss rate: 2.39%

Run 10: Report of PCC-Allegro — Data Link

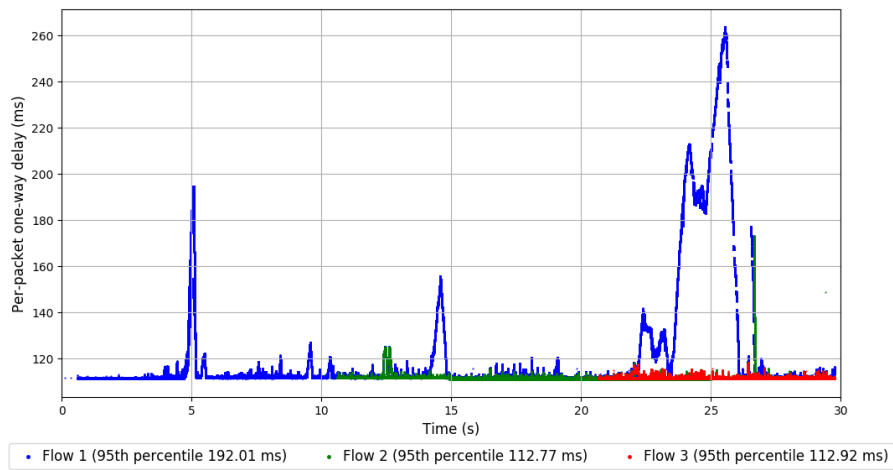
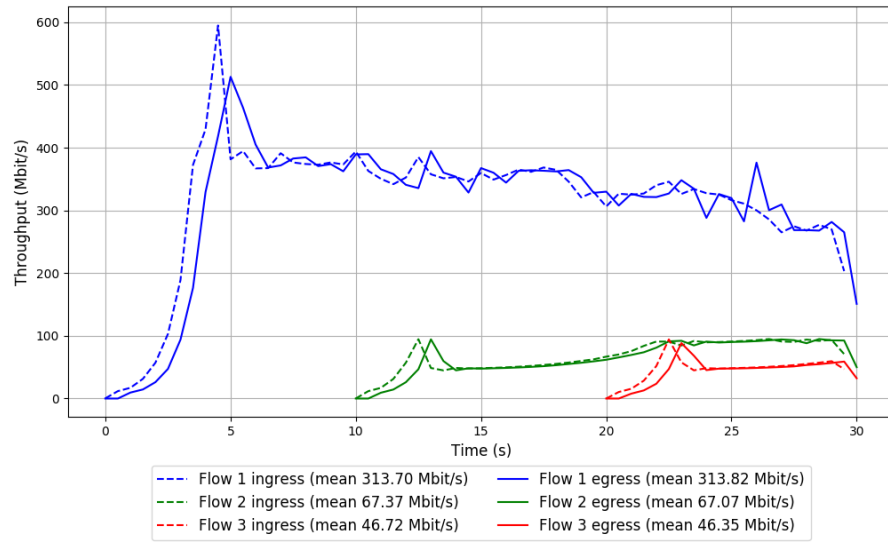


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 13:23:18
End at: 2018-07-10 13:23:48
Local clock offset: 0.167 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-07-10 19:33:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.30 Mbit/s
95th percentile per-packet one-way delay: 188.684 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 313.82 Mbit/s
95th percentile per-packet one-way delay: 192.011 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 112.770 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 112.915 ms
Loss rate: 3.05%
```


Run 1: Report of PCC-Expr — Data Link

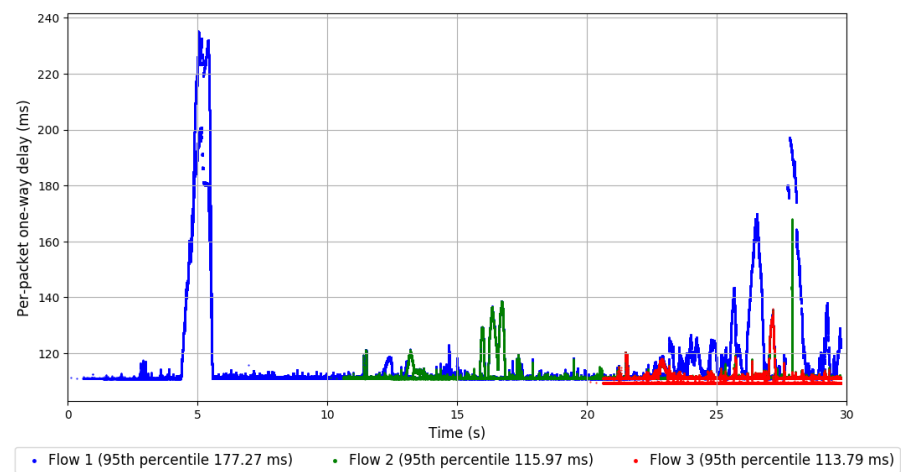
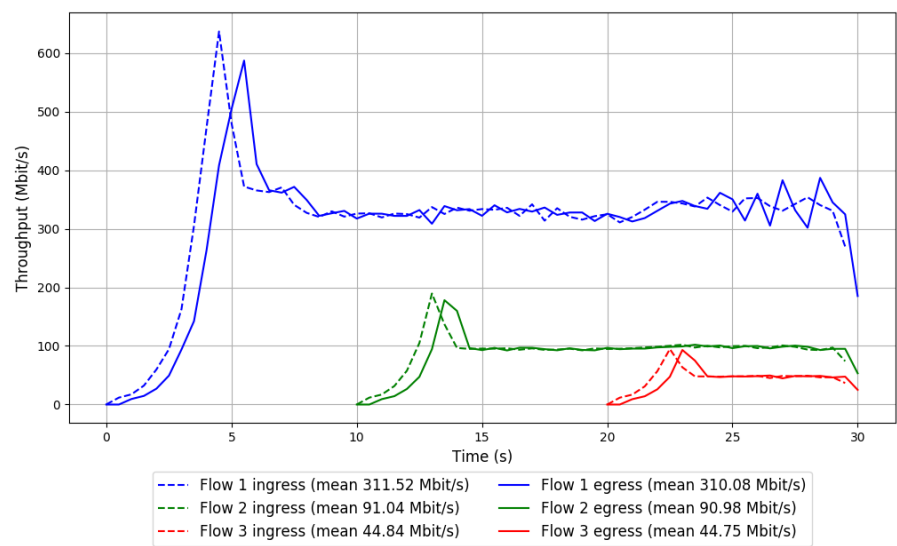


Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 13:49:38
End at: 2018-07-10 13:50:08
Local clock offset: -0.165 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-10 19:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.91 Mbit/s
95th percentile per-packet one-way delay: 161.990 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 310.08 Mbit/s
95th percentile per-packet one-way delay: 177.269 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 115.970 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 113.793 ms
Loss rate: 2.46%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 14:15:37

End at: 2018-07-10 14:16:07

Local clock offset: 1.12 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-07-10 19:34:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.93 Mbit/s

95th percentile per-packet one-way delay: 114.824 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 181.25 Mbit/s

95th percentile per-packet one-way delay: 114.632 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 172.07 Mbit/s

95th percentile per-packet one-way delay: 115.938 ms

Loss rate: 1.14%

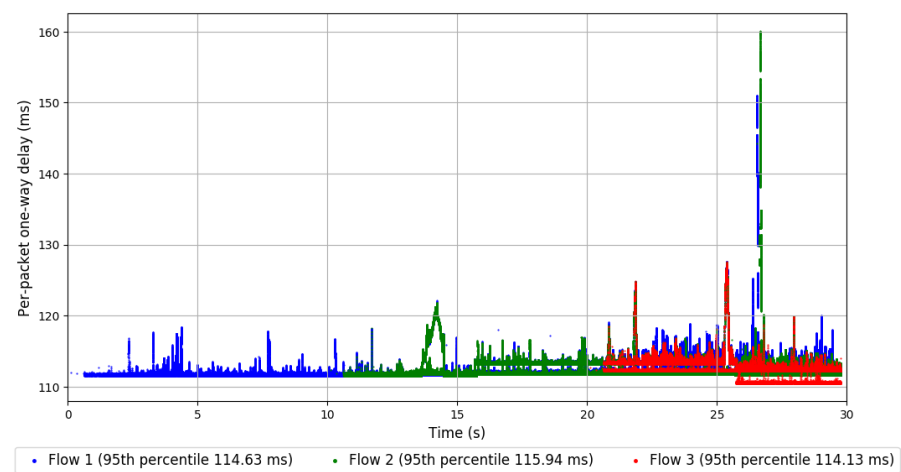
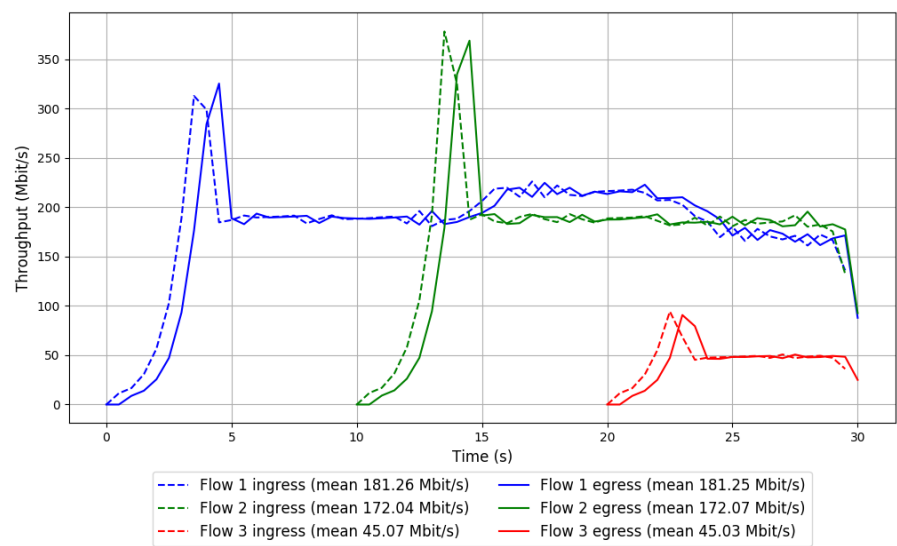
-- Flow 3:

Average throughput: 45.03 Mbit/s

95th percentile per-packet one-way delay: 114.130 ms

Loss rate: 2.41%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 14:41:52

End at: 2018-07-10 14:42:22

Local clock offset: 0.066 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-10 19:34:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.60 Mbit/s

95th percentile per-packet one-way delay: 139.571 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 163.02 Mbit/s

95th percentile per-packet one-way delay: 126.062 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 169.13 Mbit/s

95th percentile per-packet one-way delay: 192.149 ms

Loss rate: 1.28%

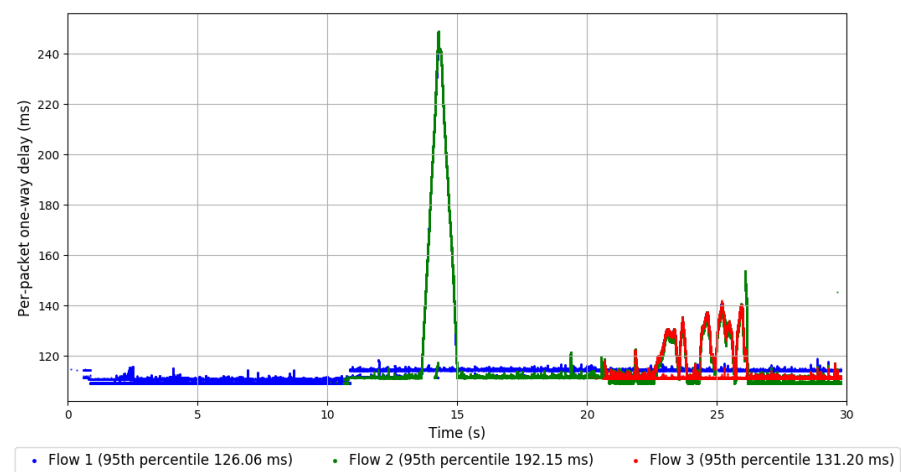
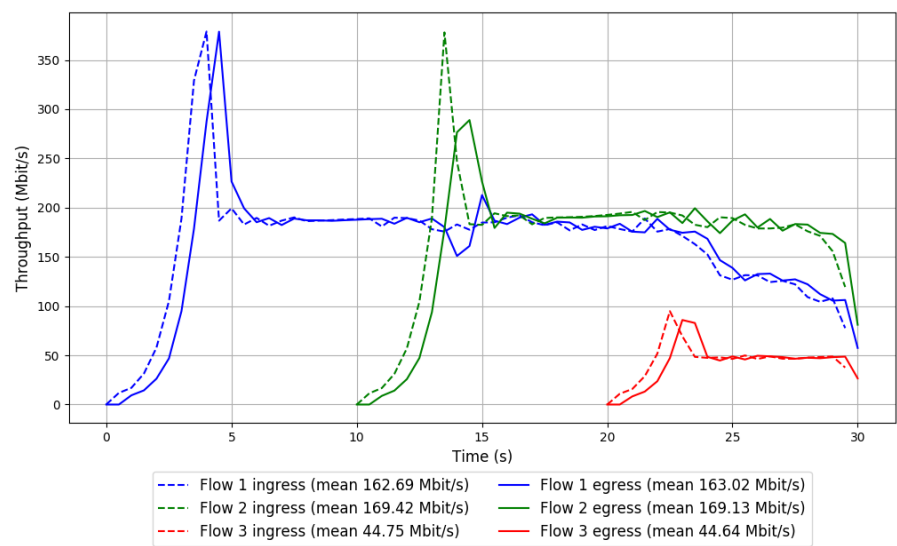
-- Flow 3:

Average throughput: 44.64 Mbit/s

95th percentile per-packet one-way delay: 131.201 ms

Loss rate: 2.50%

Run 4: Report of PCC-Expr — Data Link

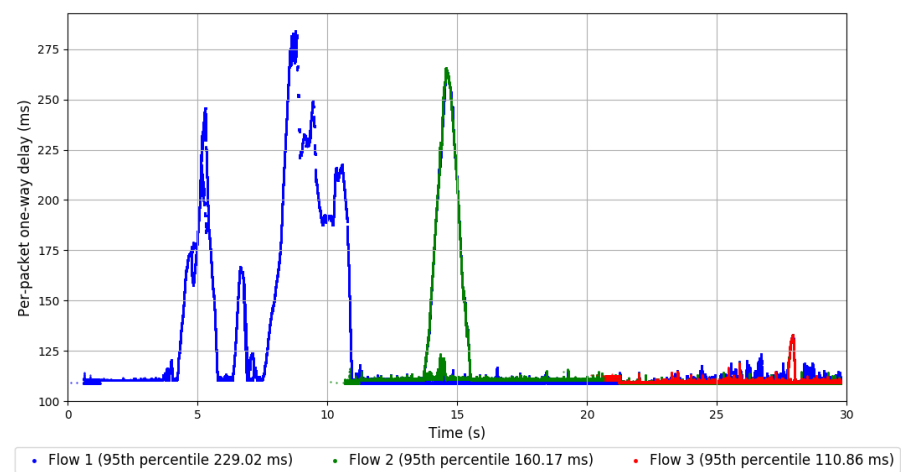
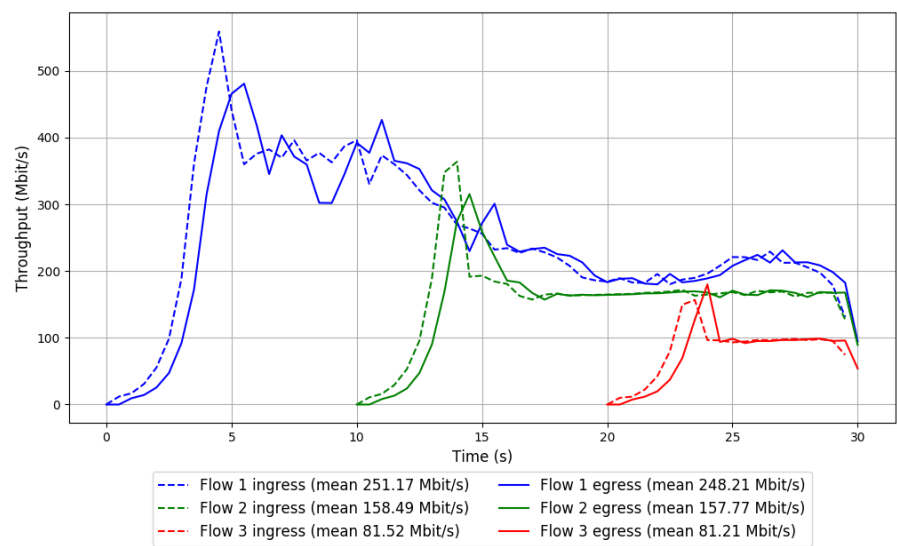


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 15:08:02
End at: 2018-07-10 15:08:32
Local clock offset: -0.273 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-10 19:37:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.07 Mbit/s
95th percentile per-packet one-way delay: 222.409 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 248.21 Mbit/s
95th percentile per-packet one-way delay: 229.022 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 157.77 Mbit/s
95th percentile per-packet one-way delay: 160.167 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 110.858 ms
Loss rate: 2.66%

Run 5: Report of PCC-Expr — Data Link

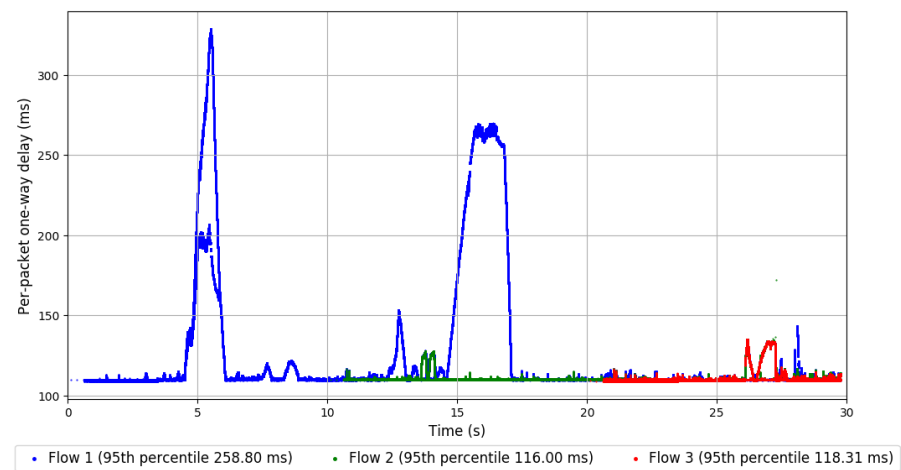
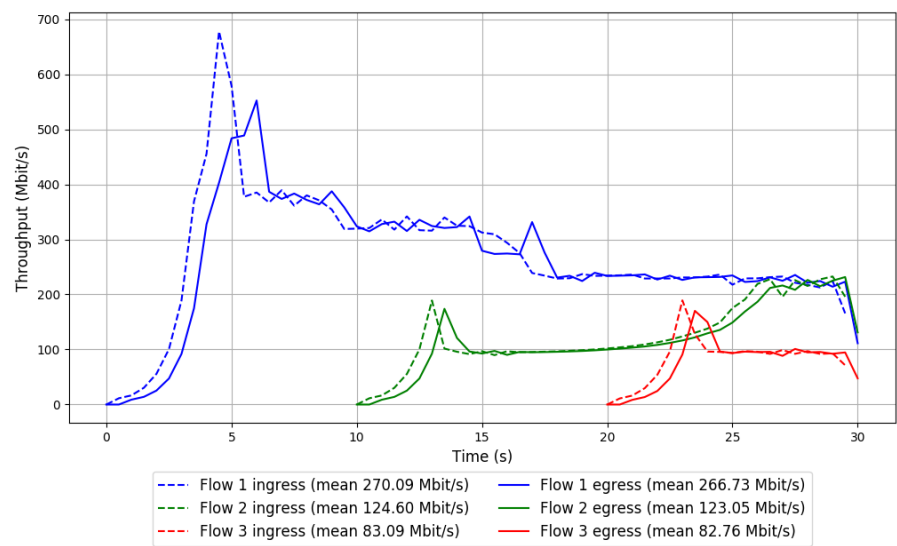


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 15:34:29
End at: 2018-07-10 15:34:59
Local clock offset: -1.363 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-10 19:42:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.17 Mbit/s
95th percentile per-packet one-way delay: 235.397 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 266.73 Mbit/s
95th percentile per-packet one-way delay: 258.799 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 123.05 Mbit/s
95th percentile per-packet one-way delay: 116.003 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 118.312 ms
Loss rate: 2.65%

Run 6: Report of PCC-Expr — Data Link

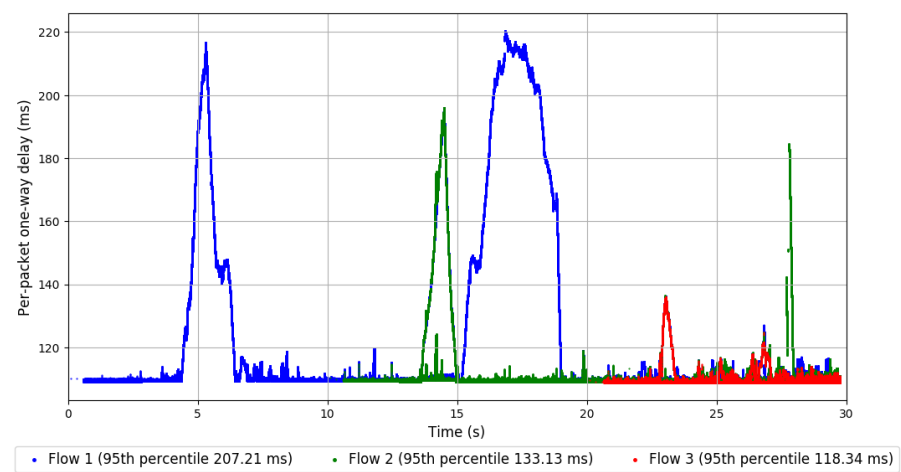
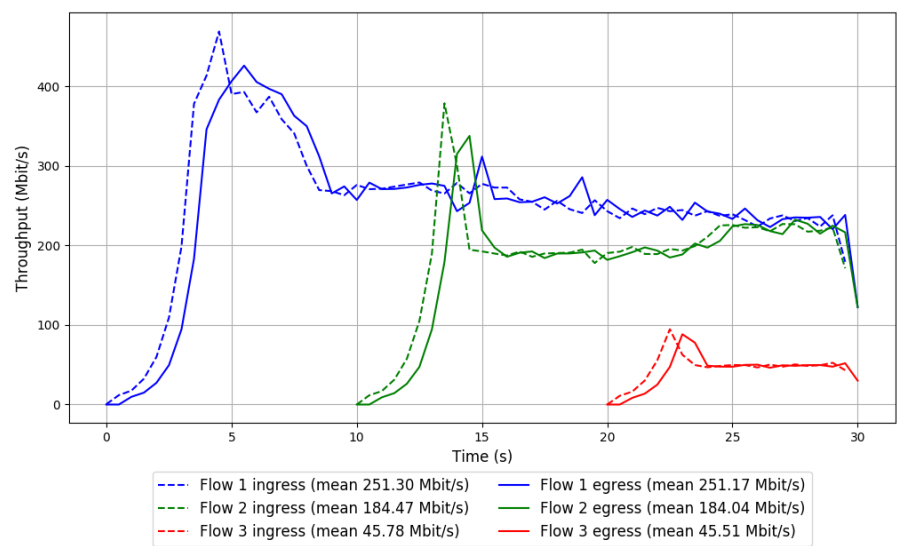


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 16:01:00
End at: 2018-07-10 16:01:30
Local clock offset: -1.295 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-10 19:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.88 Mbit/s
95th percentile per-packet one-way delay: 199.756 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 251.17 Mbit/s
95th percentile per-packet one-way delay: 207.212 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 184.04 Mbit/s
95th percentile per-packet one-way delay: 133.130 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 118.338 ms
Loss rate: 2.83%

Run 7: Report of PCC-Expr — Data Link

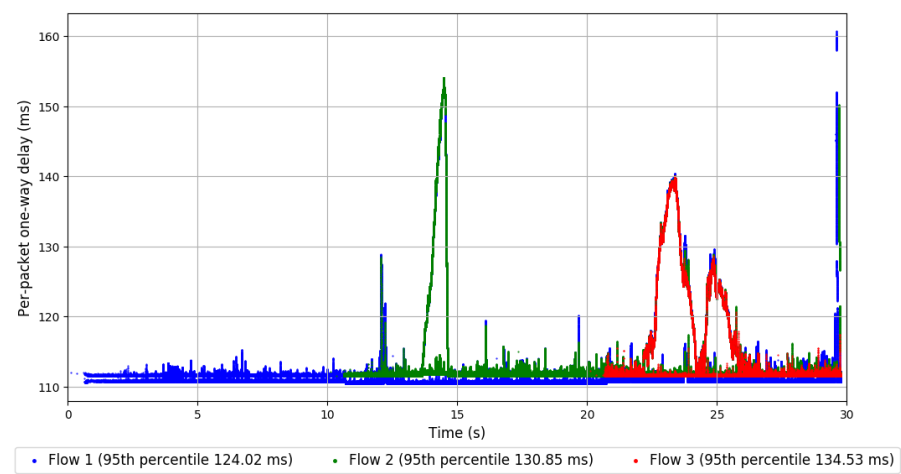
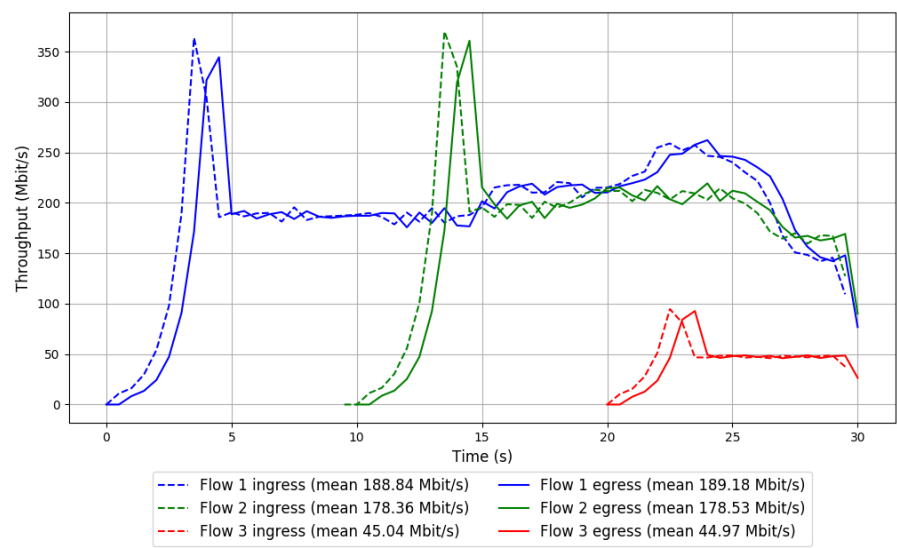


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 16:27:22
End at: 2018-07-10 16:27:52
Local clock offset: 0.239 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-10 19:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.14 Mbit/s
95th percentile per-packet one-way delay: 126.802 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 189.18 Mbit/s
95th percentile per-packet one-way delay: 124.019 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 178.53 Mbit/s
95th percentile per-packet one-way delay: 130.851 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 134.529 ms
Loss rate: 2.47%

Run 8: Report of PCC-Expr — Data Link

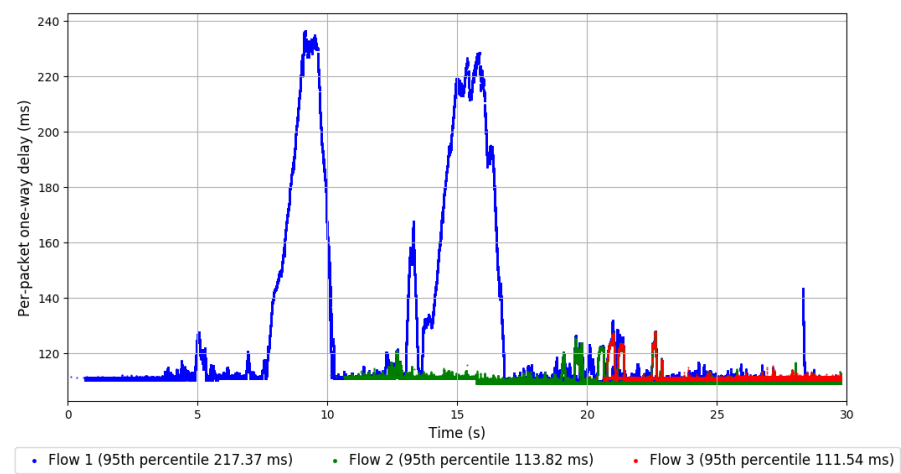
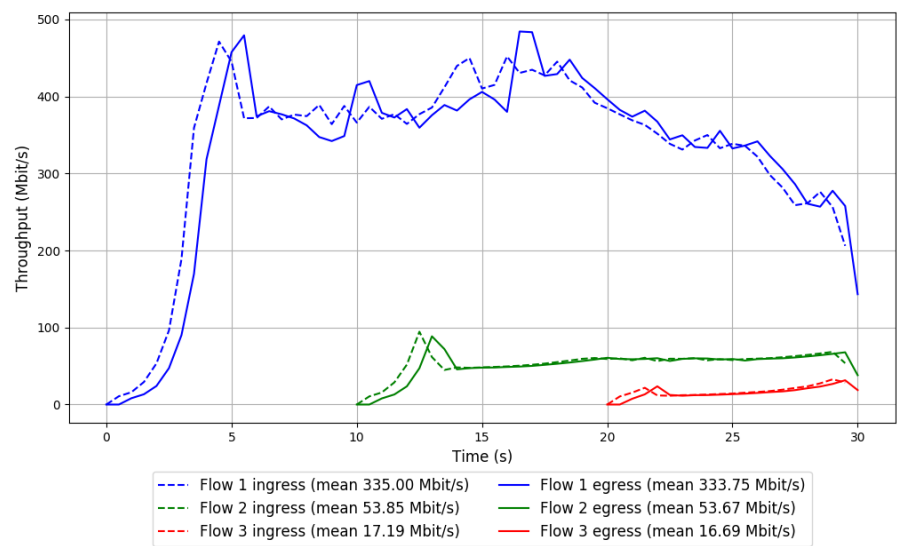


Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 16:53:47
End at: 2018-07-10 16:54:17
Local clock offset: 0.033 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-10 19:45:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.73 Mbit/s
95th percentile per-packet one-way delay: 216.124 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 333.75 Mbit/s
95th percentile per-packet one-way delay: 217.367 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: 113.822 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 111.541 ms
Loss rate: 5.08%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 17:20:31

End at: 2018-07-10 17:21:01

Local clock offset: 0.138 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-10 19:47:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.62 Mbit/s

95th percentile per-packet one-way delay: 174.299 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 330.74 Mbit/s

95th percentile per-packet one-way delay: 179.013 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 130.226 ms

Loss rate: 1.16%

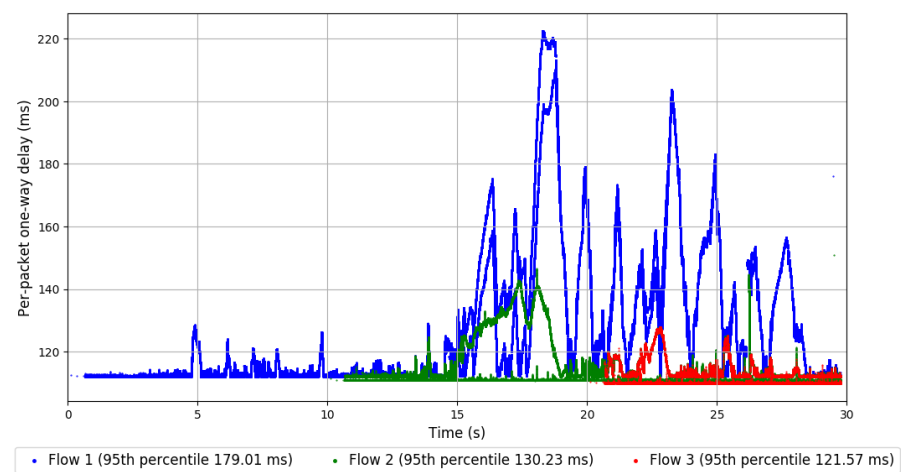
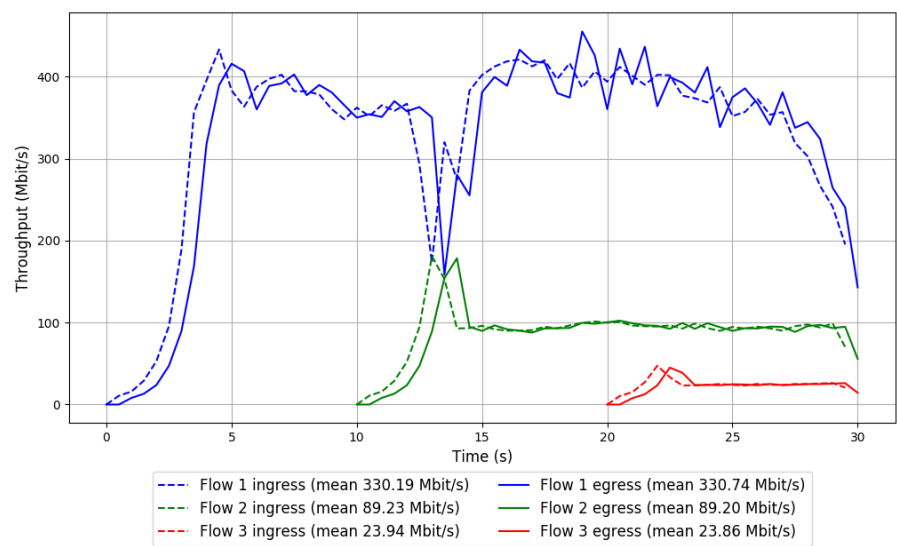
-- Flow 3:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 121.574 ms

Loss rate: 2.59%

Run 10: Report of PCC-Expr — Data Link

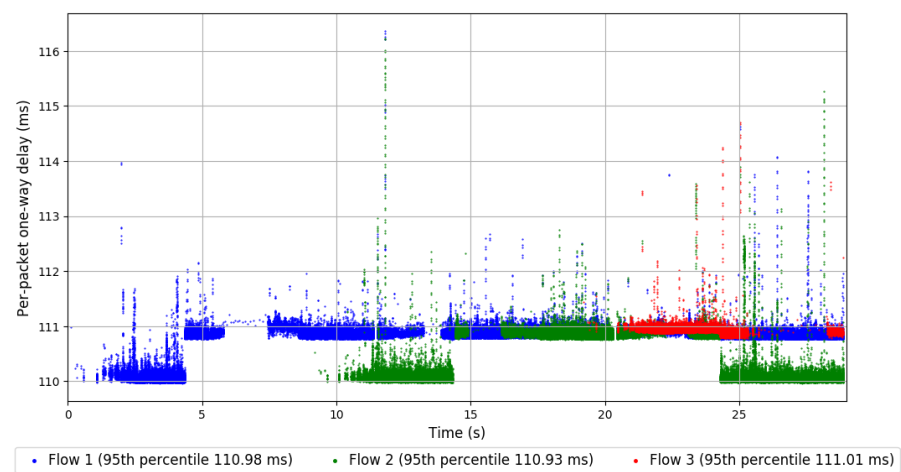
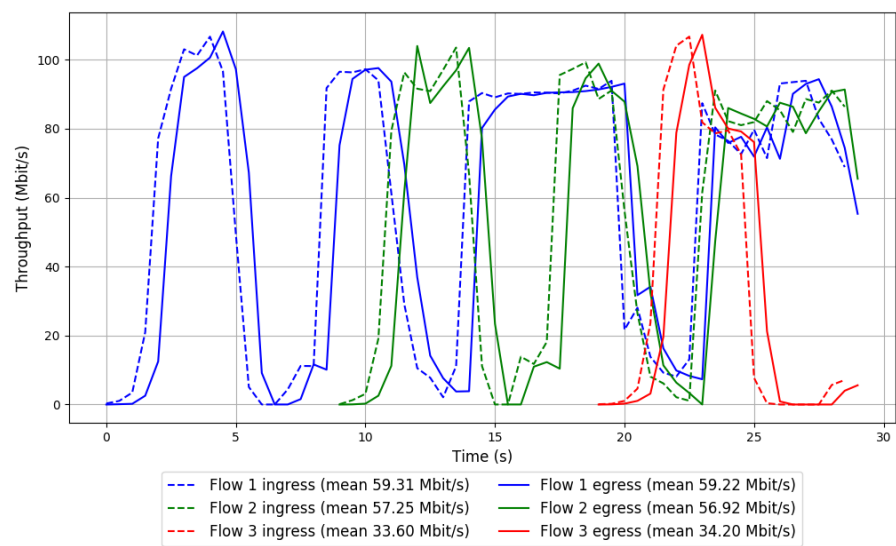


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 13:30:28
End at: 2018-07-10 13:30:58
Local clock offset: -0.129 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-10 19:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.68 Mbit/s
95th percentile per-packet one-way delay: 110.978 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 110.976 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 110.931 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 111.013 ms
Loss rate: 0.48%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 13:56:57

End at: 2018-07-10 13:57:27

Local clock offset: -0.263 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-07-10 19:47:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.55 Mbit/s

95th percentile per-packet one-way delay: 110.972 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 53.67 Mbit/s

95th percentile per-packet one-way delay: 111.002 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 110.836 ms

Loss rate: 0.11%

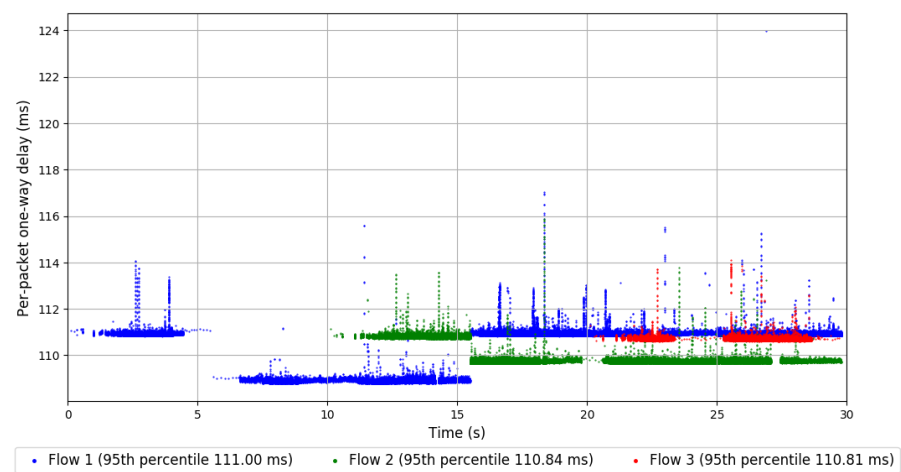
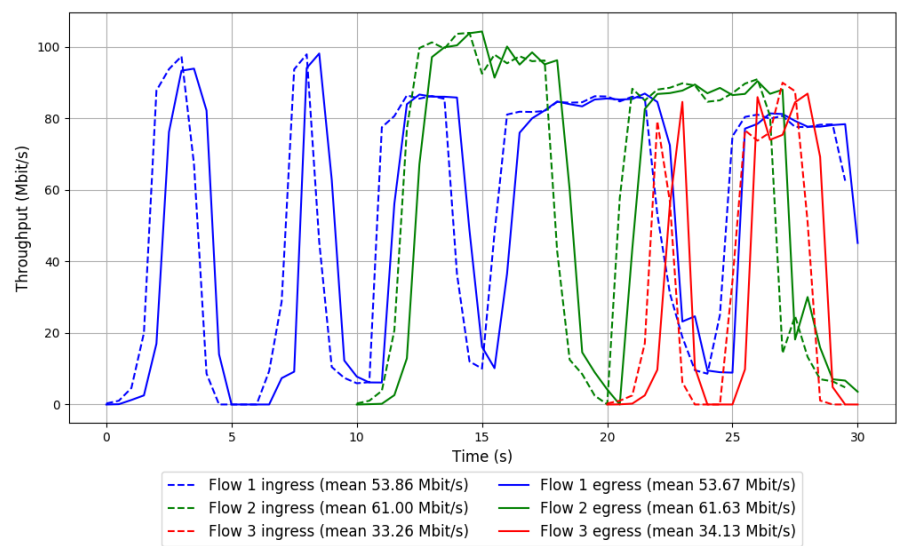
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 110.810 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

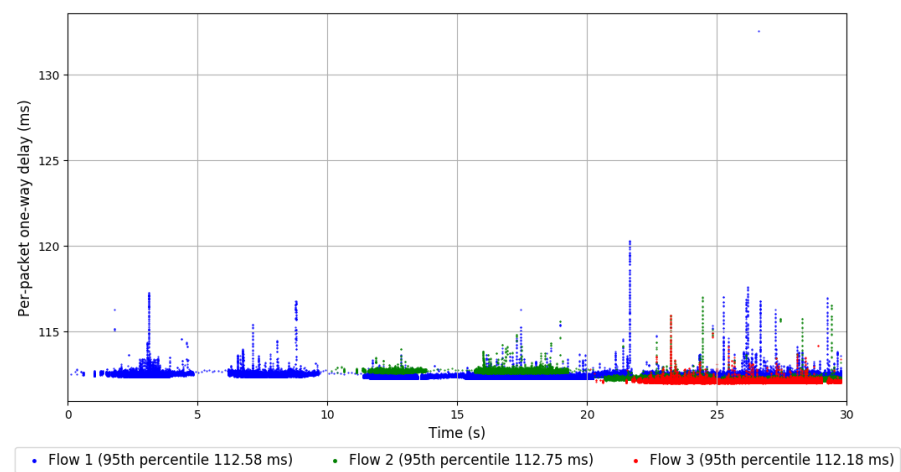
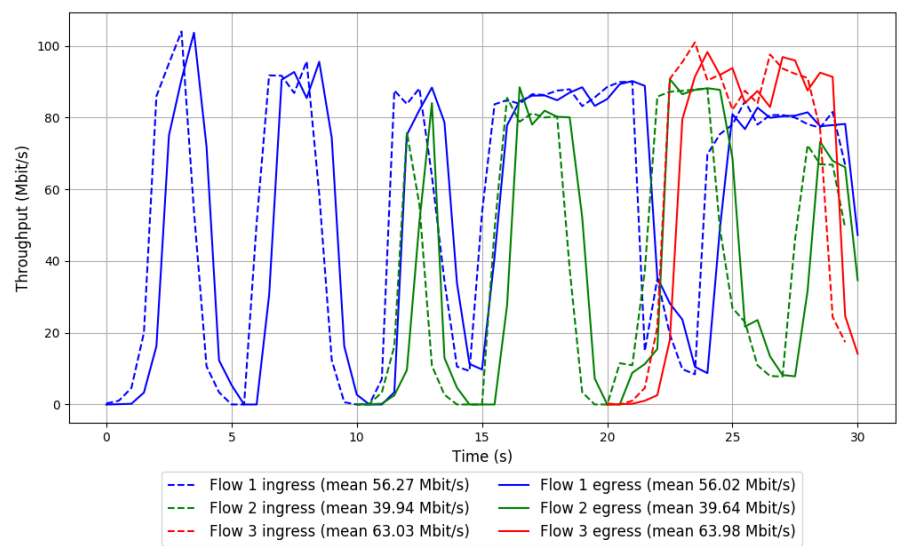


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 14:22:43
End at: 2018-07-10 14:23:13
Local clock offset: 1.077 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.04 Mbit/s
95th percentile per-packet one-way delay: 112.695 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 56.02 Mbit/s
95th percentile per-packet one-way delay: 112.584 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 112.754 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 112.182 ms
Loss rate: 0.77%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 14:48:49

End at: 2018-07-10 14:49:19

Local clock offset: -1.392 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-10 19:47:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.32 Mbit/s

95th percentile per-packet one-way delay: 109.660 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 54.00 Mbit/s

95th percentile per-packet one-way delay: 111.055 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 109.669 ms

Loss rate: 1.99%

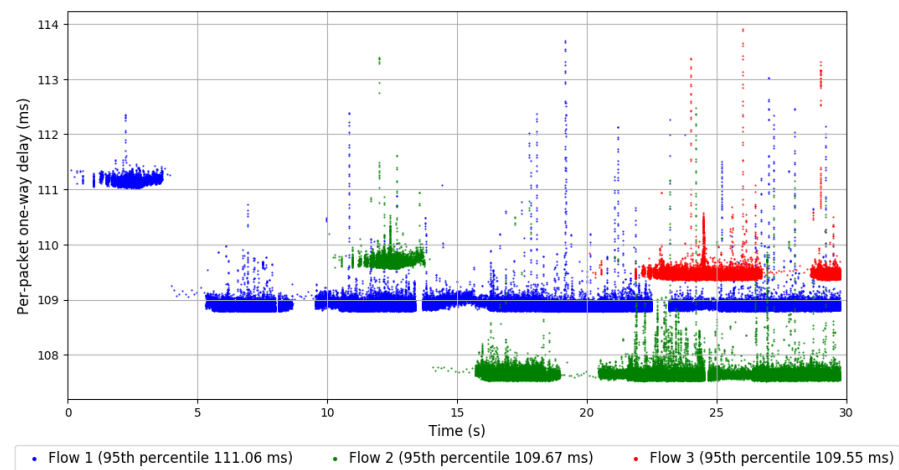
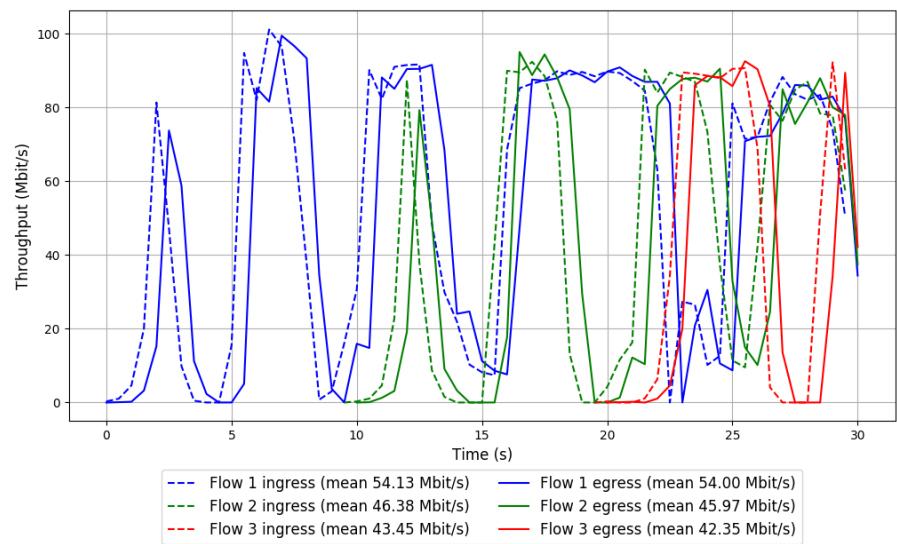
-- Flow 3:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 109.545 ms

Loss rate: 4.75%

Run 4: Report of QUIC Cubic — Data Link

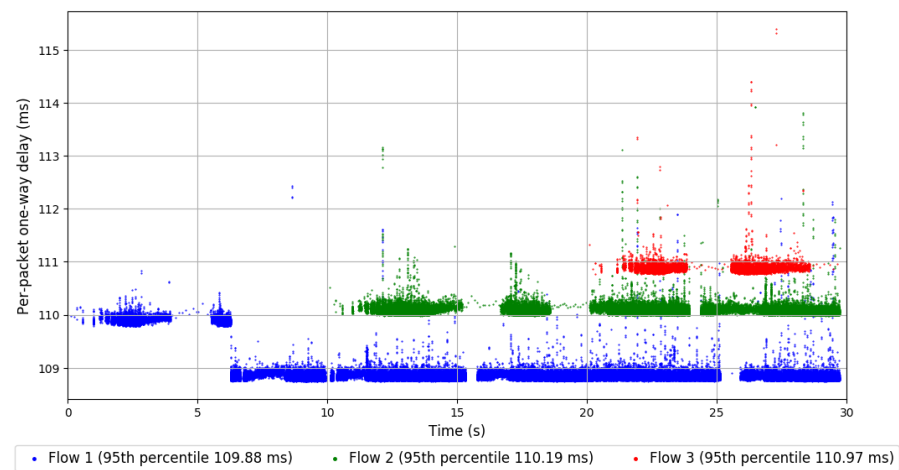
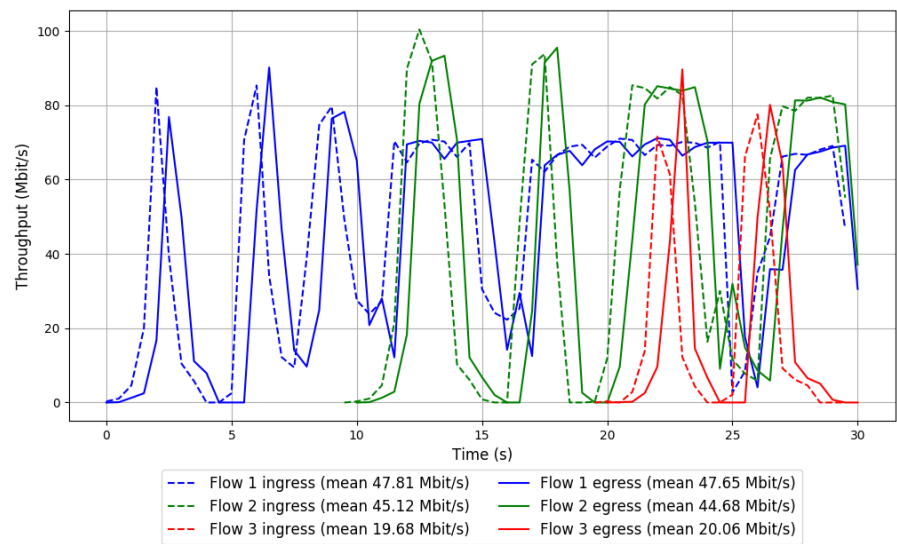


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 15:15:17
End at: 2018-07-10 15:15:47
Local clock offset: -1.467 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 110.834 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 109.877 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 110.187 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 110.966 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 15:41:34

End at: 2018-07-10 15:42:04

Local clock offset: -0.059 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-10 19:47:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 111.386 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 46.01 Mbit/s

95th percentile per-packet one-way delay: 111.295 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 109.384 ms

Loss rate: 2.01%

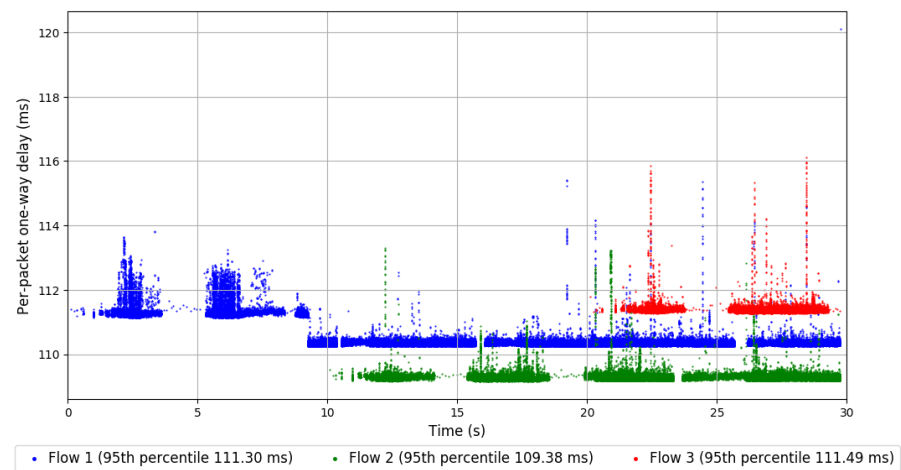
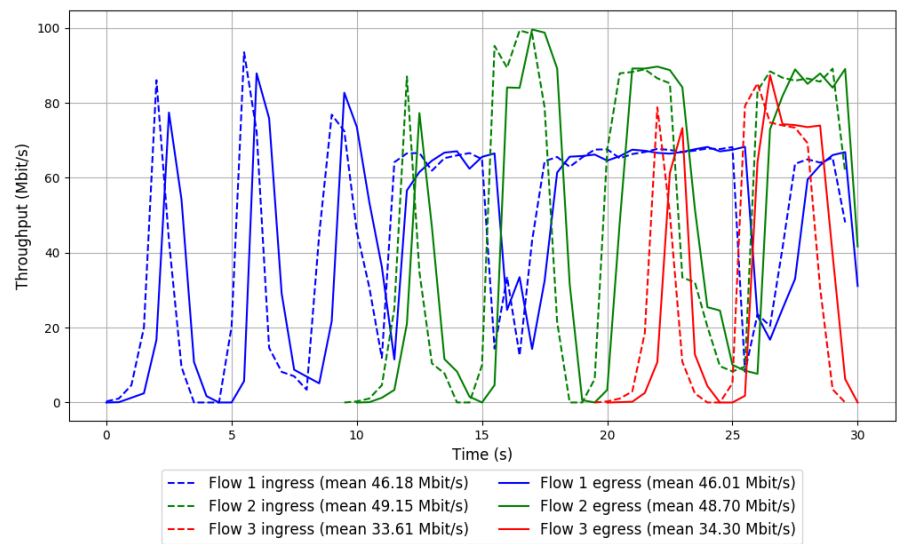
-- Flow 3:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 111.491 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

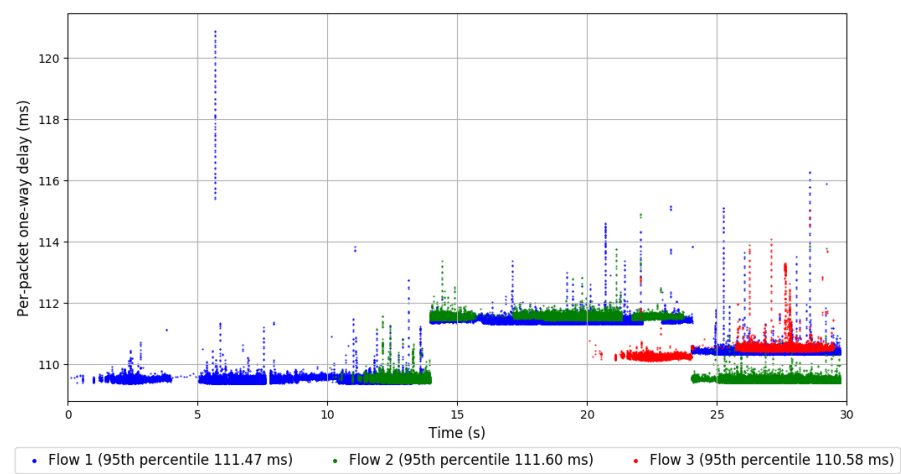
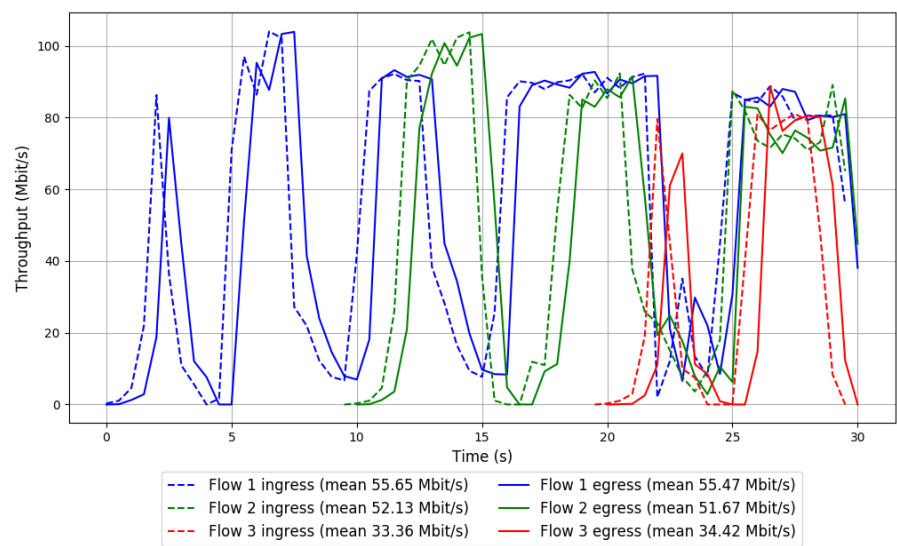


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 16:08:09
End at: 2018-07-10 16:08:39
Local clock offset: 0.205 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.87 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 111.465 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 111.597 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 110.580 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

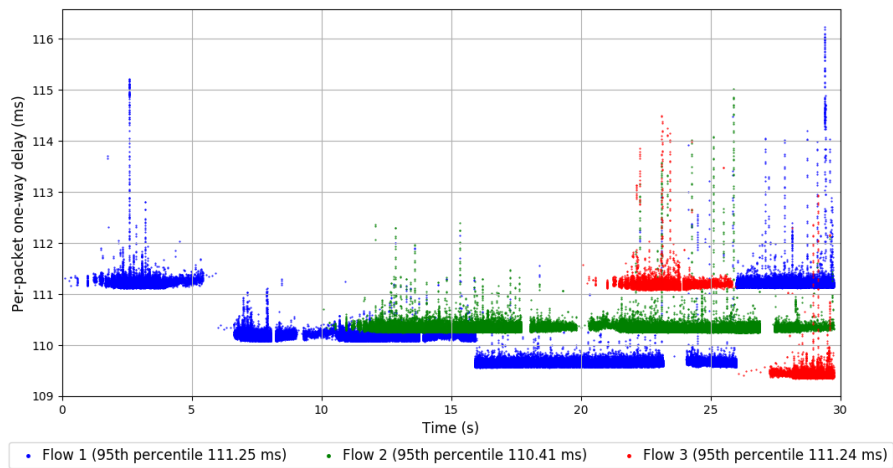
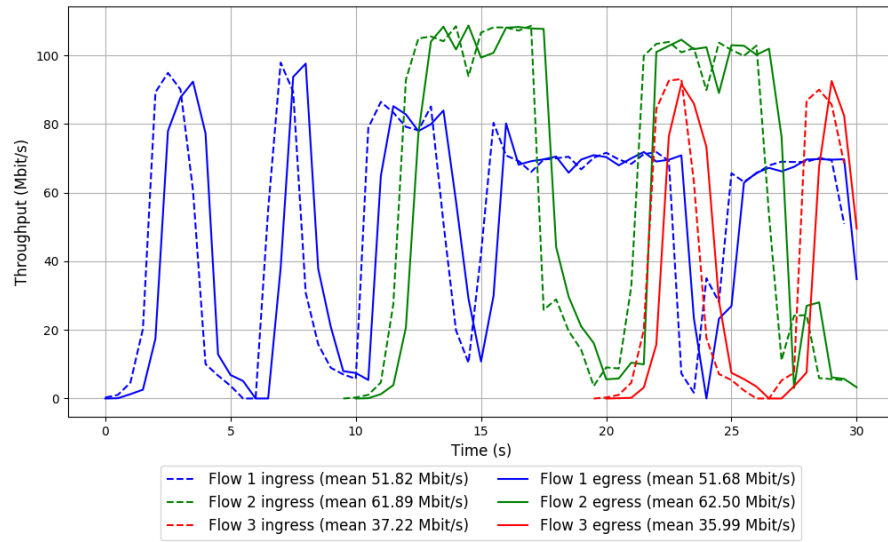


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 16:34:27
End at: 2018-07-10 16:34:57
Local clock offset: 0.106 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.91 Mbit/s
95th percentile per-packet one-way delay: 111.222 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 51.68 Mbit/s
95th percentile per-packet one-way delay: 111.250 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 110.412 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 111.236 ms
Loss rate: 5.52%

Run 8: Report of QUIC Cubic — Data Link

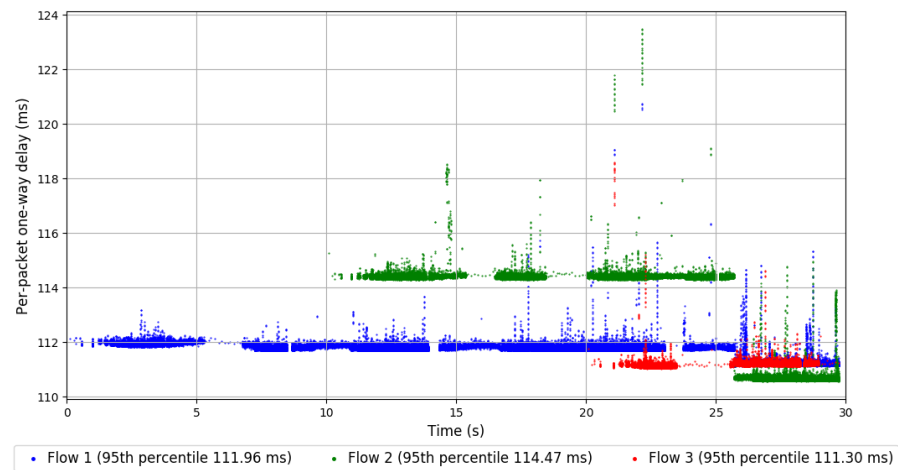
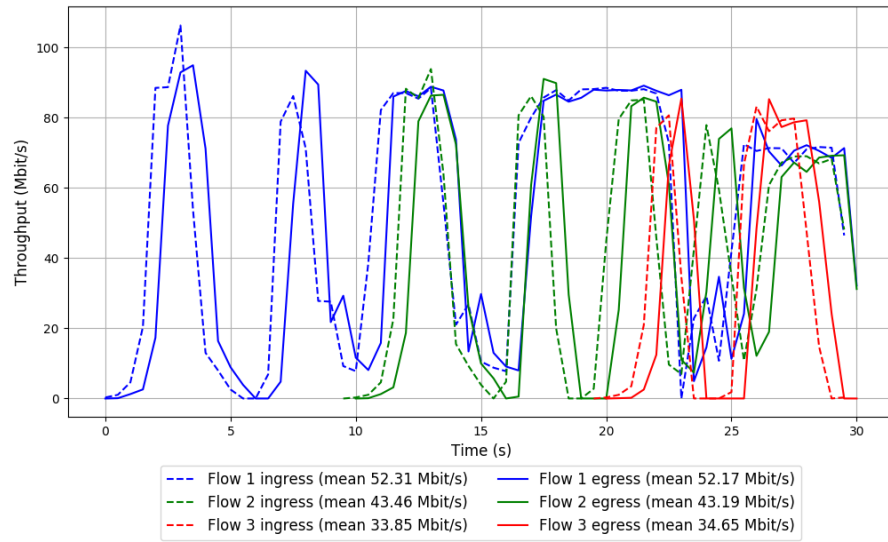


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 17:00:57
End at: 2018-07-10 17:01:27
Local clock offset: 0.194 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 114.410 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 52.17 Mbit/s
95th percentile per-packet one-way delay: 111.959 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 114.466 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 111.299 ms
Loss rate: 0.05%

Run 9: Report of QUIC Cubic — Data Link

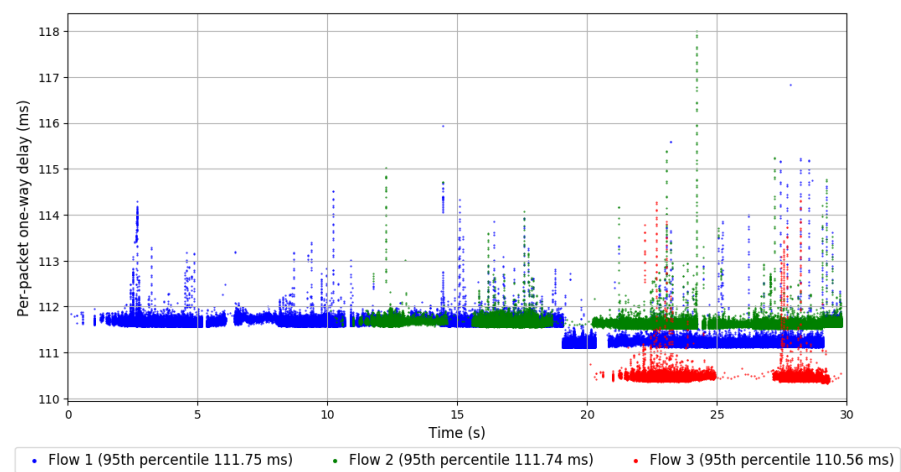
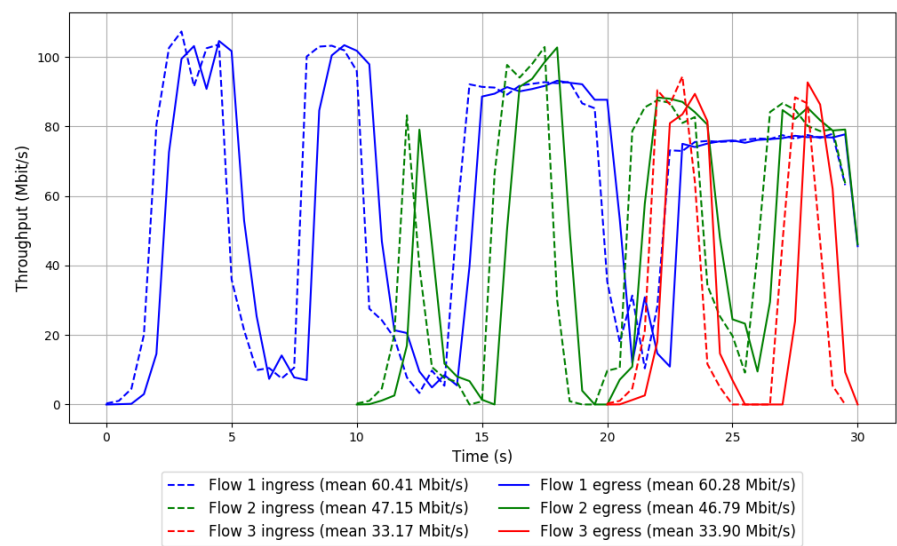


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 17:27:44
End at: 2018-07-10 17:28:14
Local clock offset: -0.061 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.30 Mbit/s
95th percentile per-packet one-way delay: 111.740 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 111.747 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 111.743 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 110.558 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

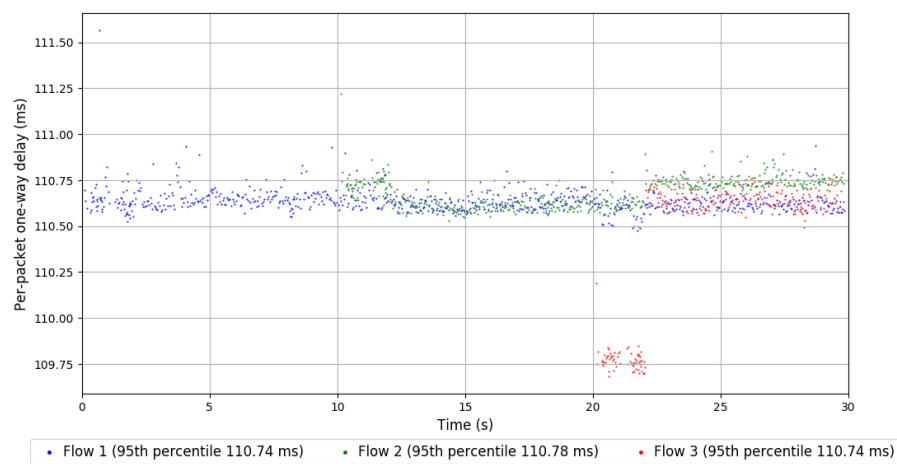
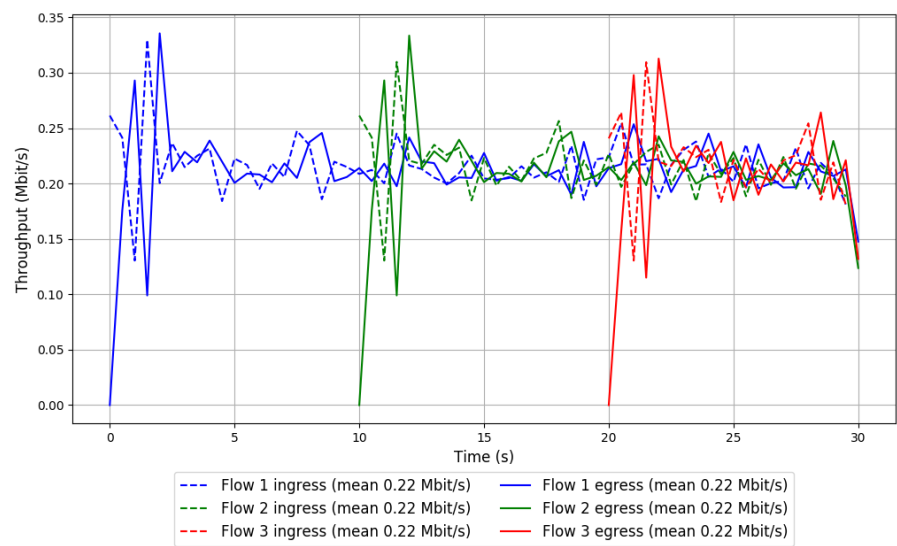


```
Run 1: Statistics of SReAM

Start at: 2018-07-10 13:26:21
End at: 2018-07-10 13:26:51
Local clock offset: -0.146 ms
Remote clock offset: 0.333 ms

# Below is generated by plot.py at 2018-07-10 19:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.767 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.781 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 2.21%
```


Run 1: Report of SReAM — Data Link

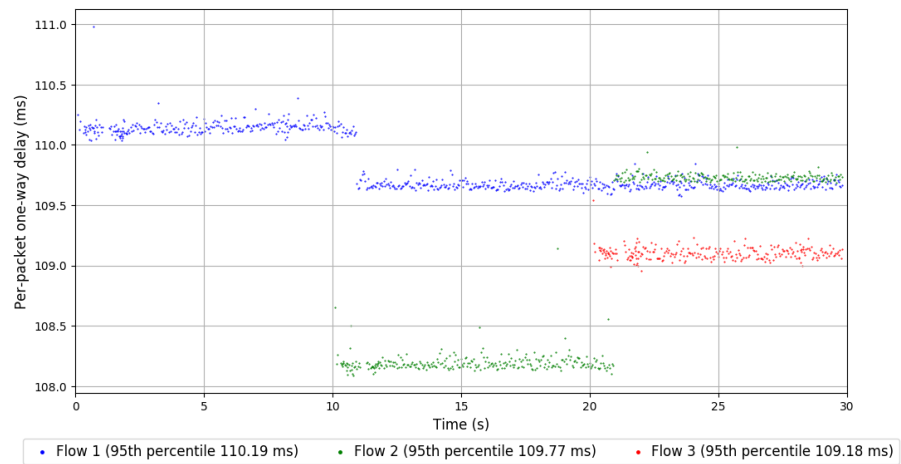
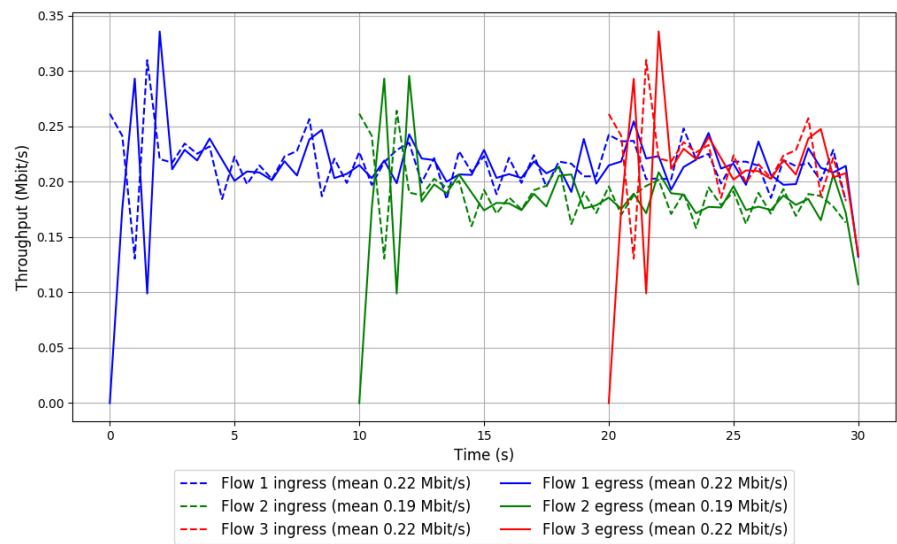


Run 2: Statistics of SCReAM

Start at: 2018-07-10 13:52:42
End at: 2018-07-10 13:53:12
Local clock offset: -1.483 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 110.163 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.191 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 109.765 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.179 ms
Loss rate: 2.21%

Run 2: Report of SReAM — Data Link

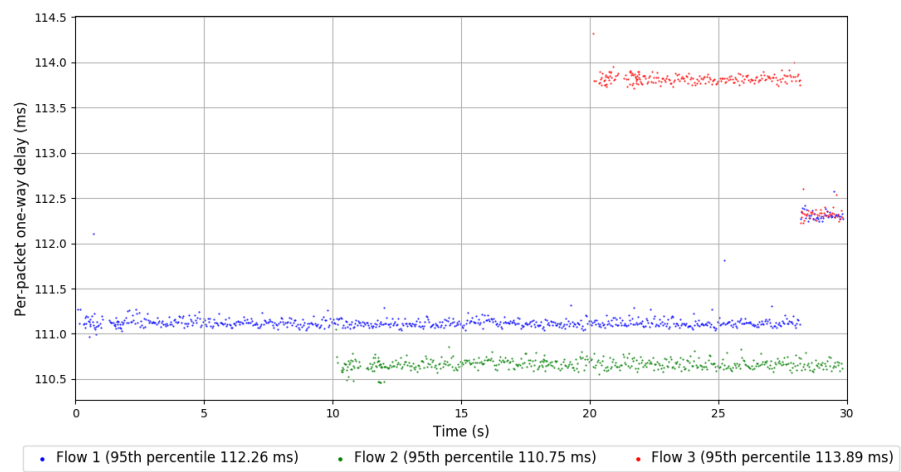
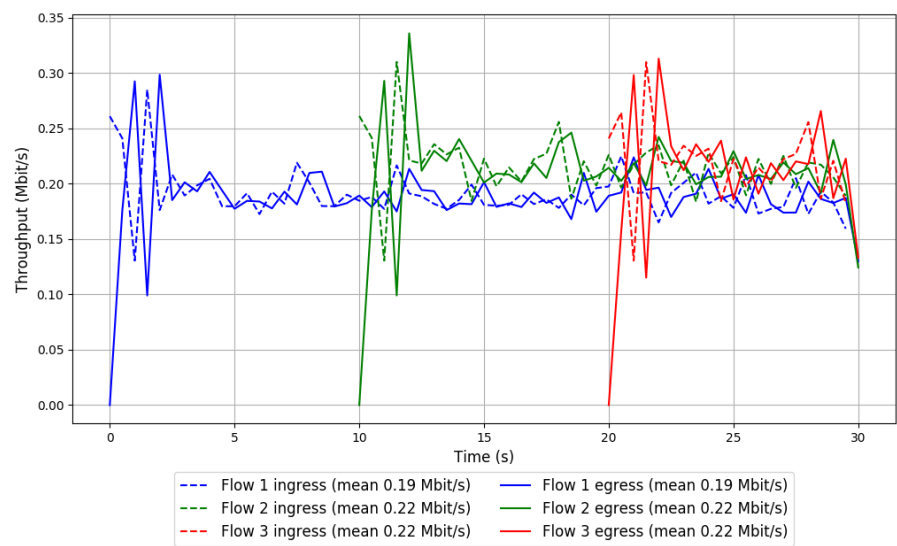


Run 3: Statistics of SReAM

Start at: 2018-07-10 14:18:35
End at: 2018-07-10 14:19:05
Local clock offset: 1.091 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.836 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.264 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.753 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.893 ms
Loss rate: 2.22%

Run 3: Report of SReAM — Data Link

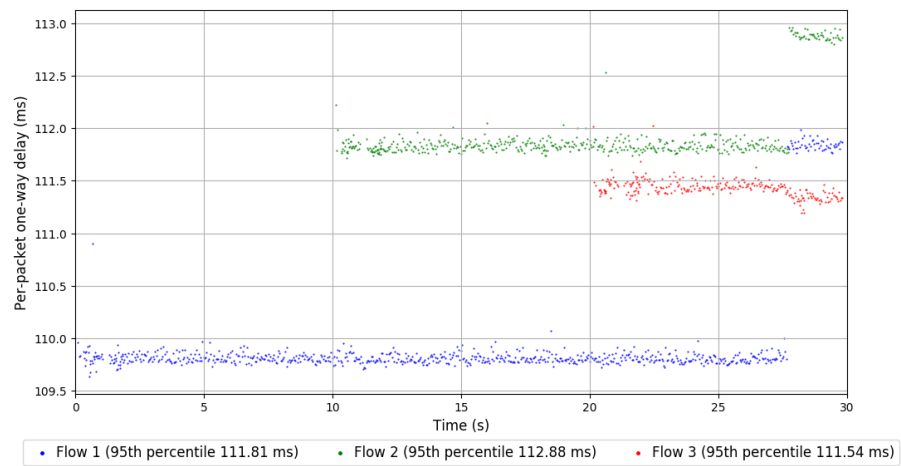
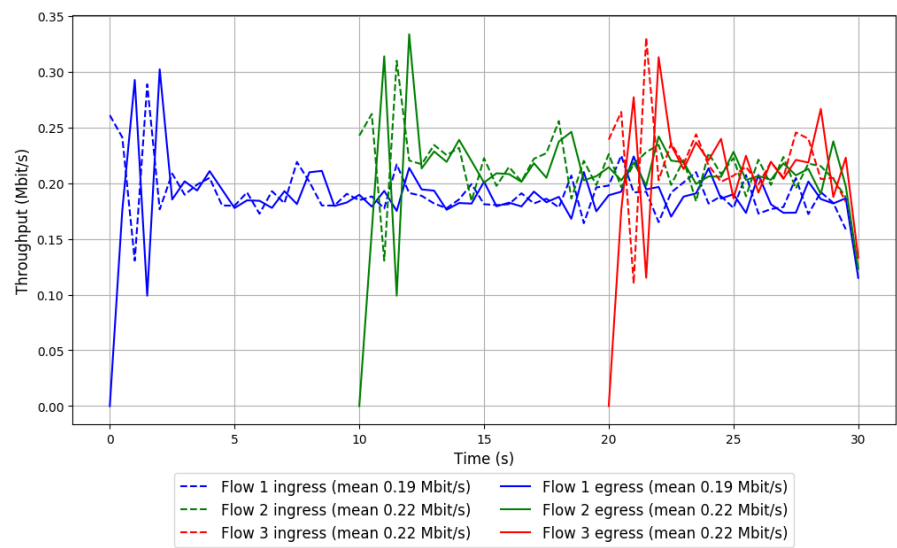


Run 4: Statistics of SCReAM

Start at: 2018-07-10 14:44:45
End at: 2018-07-10 14:45:15
Local clock offset: -0.123 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.936 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.814 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.877 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.541 ms
Loss rate: 1.87%

Run 4: Report of SReAM — Data Link

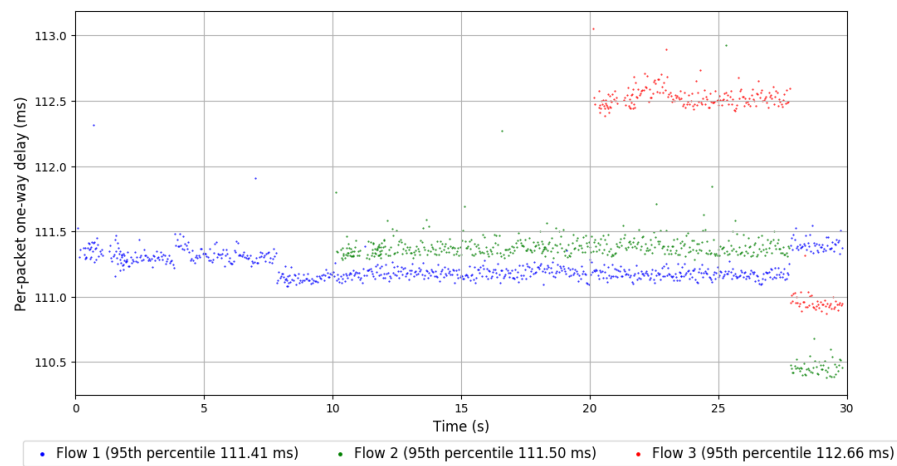
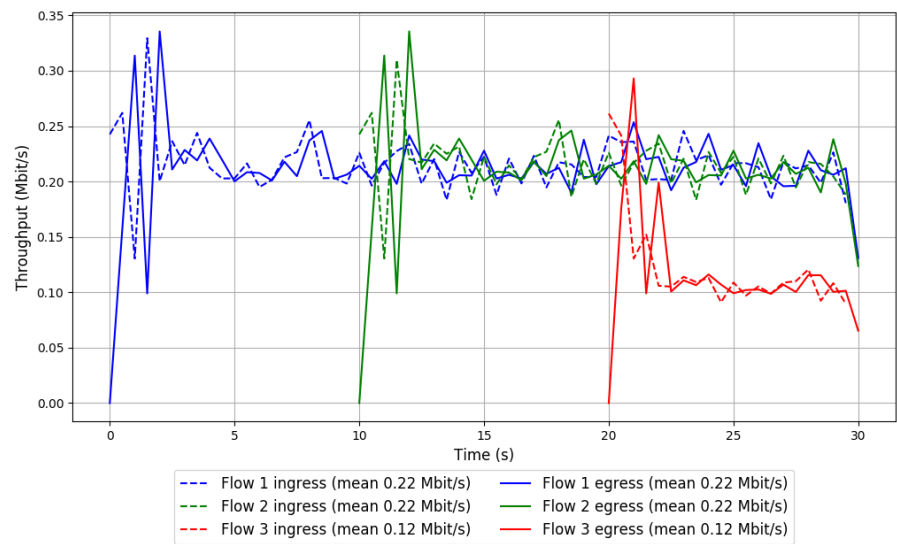


Run 5: Statistics of SReAM

Start at: 2018-07-10 15:11:05
End at: 2018-07-10 15:11:35
Local clock offset: 0.05 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.537 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.408 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.500 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 112.655 ms
Loss rate: 1.95%

Run 5: Report of SCRaM — Data Link

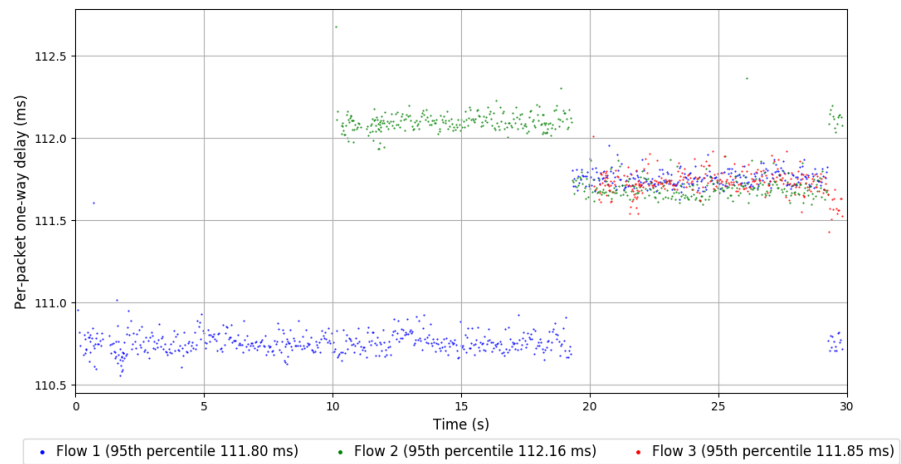
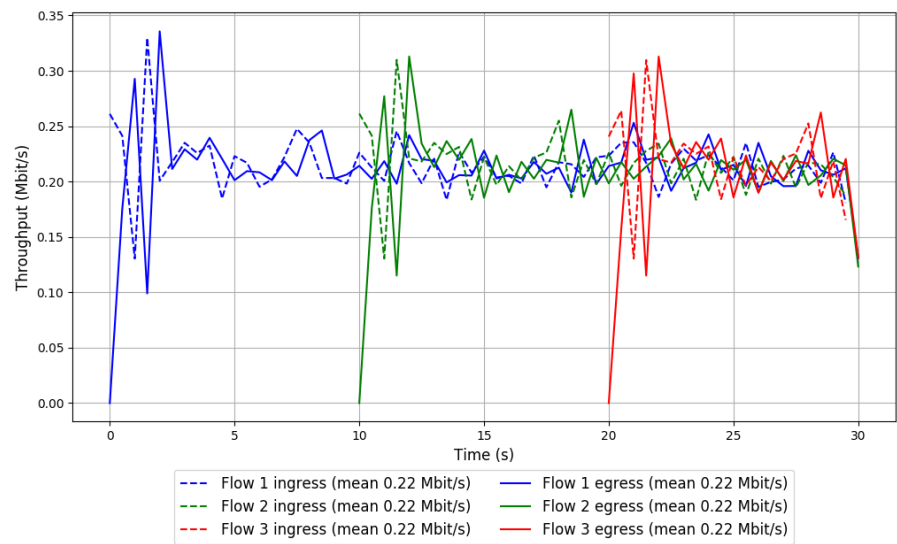


Run 6: Statistics of SReAM

Start at: 2018-07-10 15:37:34
End at: 2018-07-10 15:38:04
Local clock offset: 0.262 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.124 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.164 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.847 ms
Loss rate: 1.86%

Run 6: Report of SReAM — Data Link

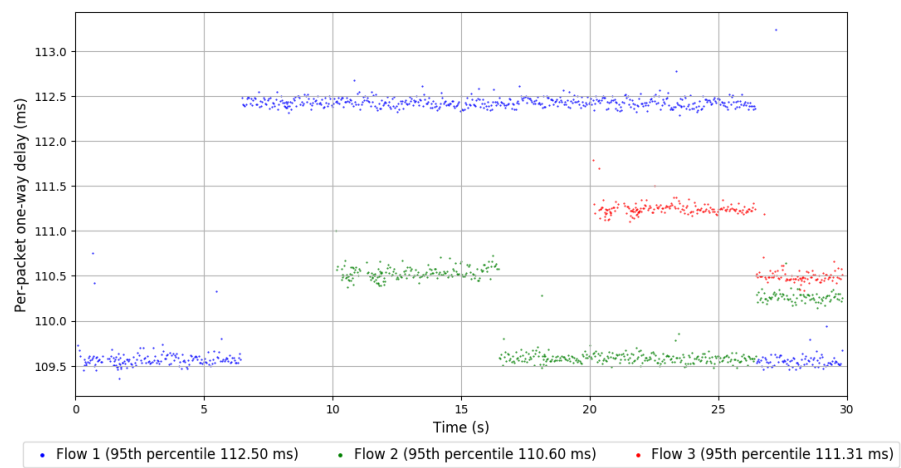
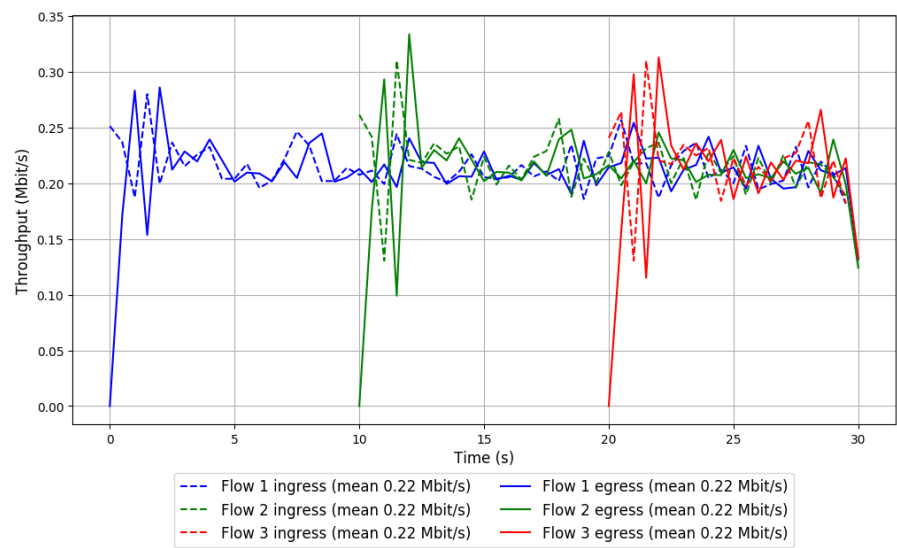


Run 7: Statistics of SReAM

Start at: 2018-07-10 16:04:07
End at: 2018-07-10 16:04:37
Local clock offset: 0.029 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.483 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.502 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.602 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.313 ms
Loss rate: 2.21%

Run 7: Report of SReAM — Data Link

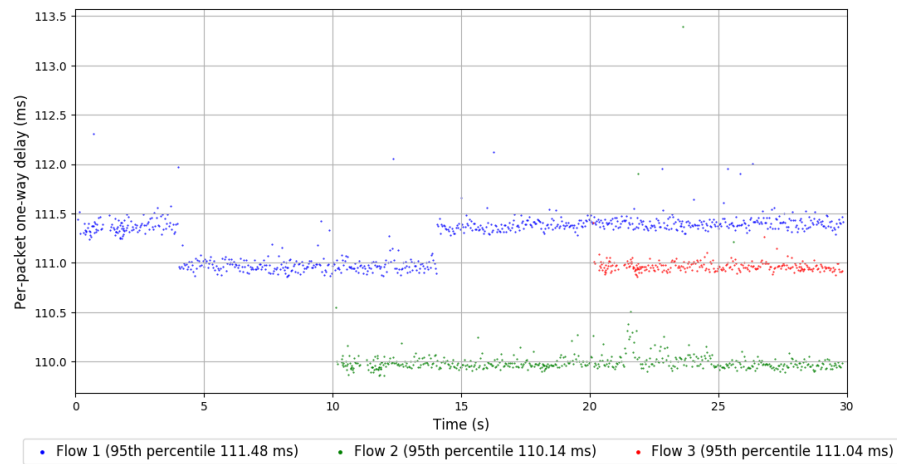
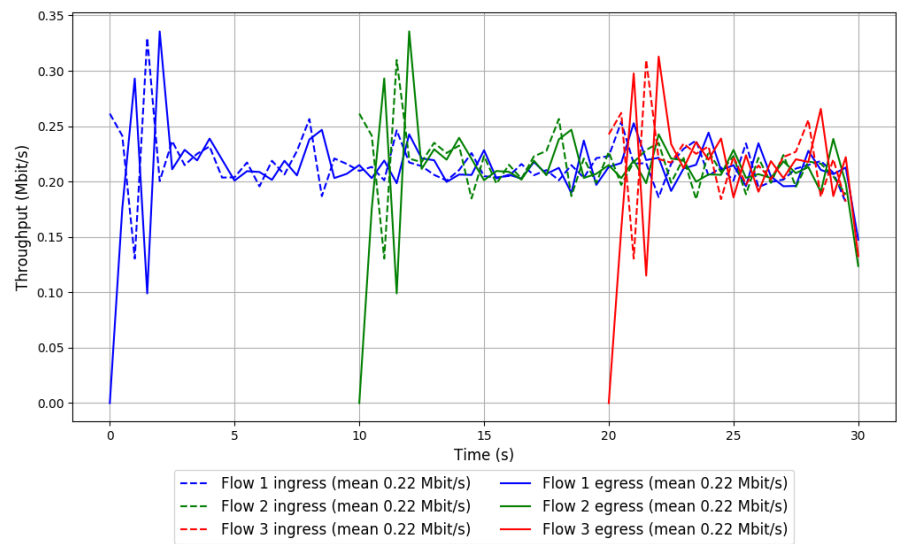


Run 8: Statistics of SReAM

Start at: 2018-07-10 16:30:19
End at: 2018-07-10 16:30:49
Local clock offset: -0.189 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.448 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.481 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.141 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.042 ms
Loss rate: 2.21%

Run 8: Report of SCRaM — Data Link

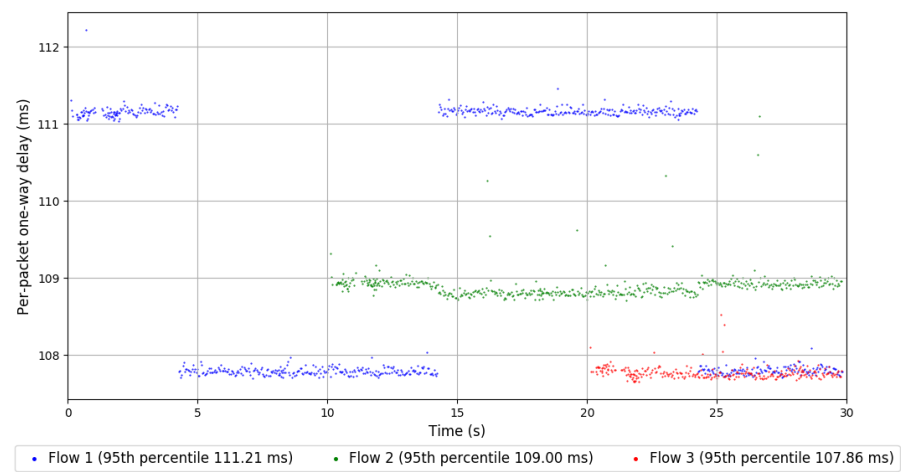
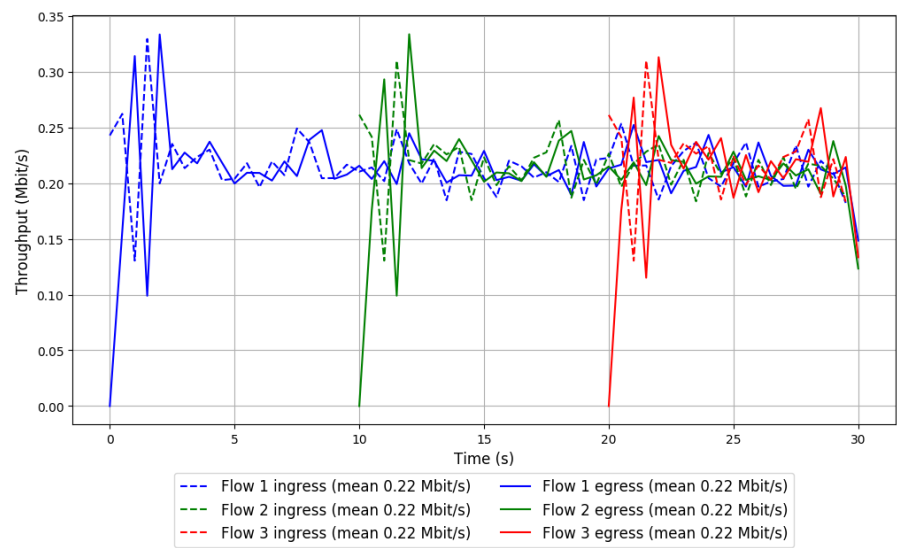


Run 9: Statistics of SReAM

Start at: 2018-07-10 16:56:49
End at: 2018-07-10 16:57:19
Local clock offset: -1.304 ms
Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.191 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.213 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.999 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.862 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-10 17:23:33

End at: 2018-07-10 17:24:03

Local clock offset: -1.219 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-10 19:47:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.579 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.606 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.329 ms

Loss rate: 1.24%

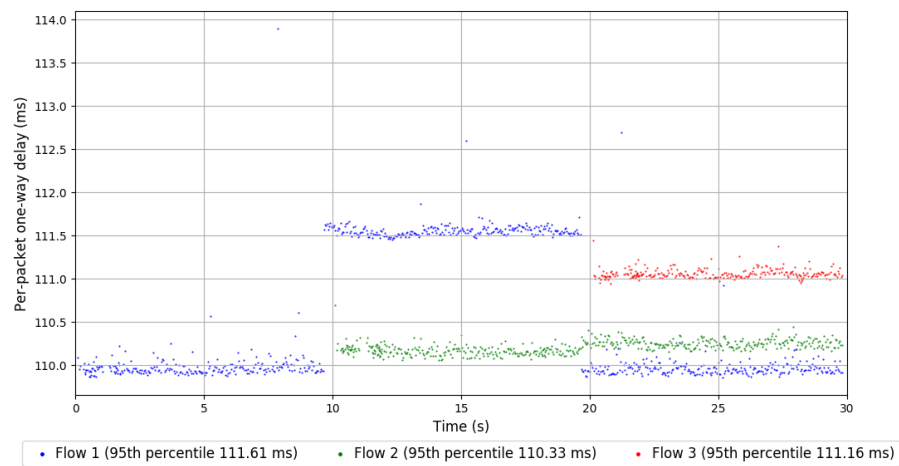
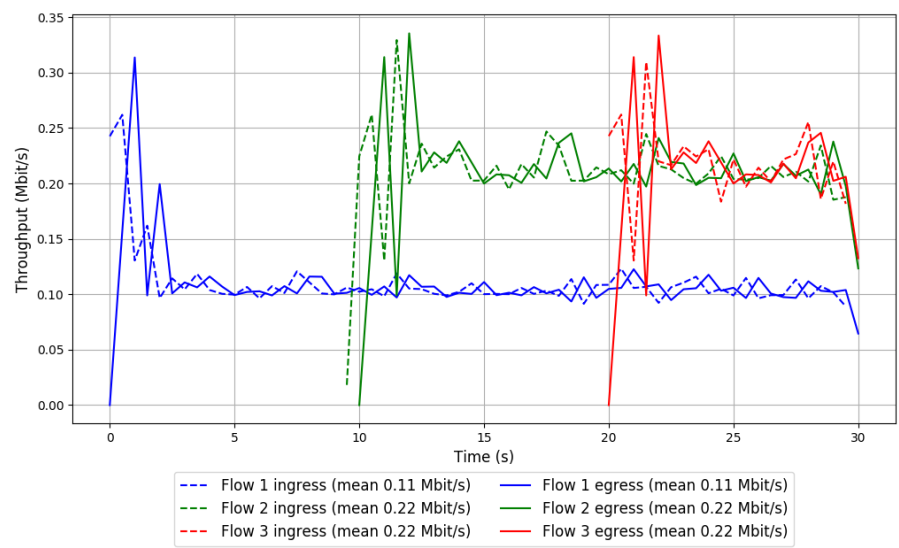
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.157 ms

Loss rate: 2.21%

Run 10: Report of SCReAM — Data Link

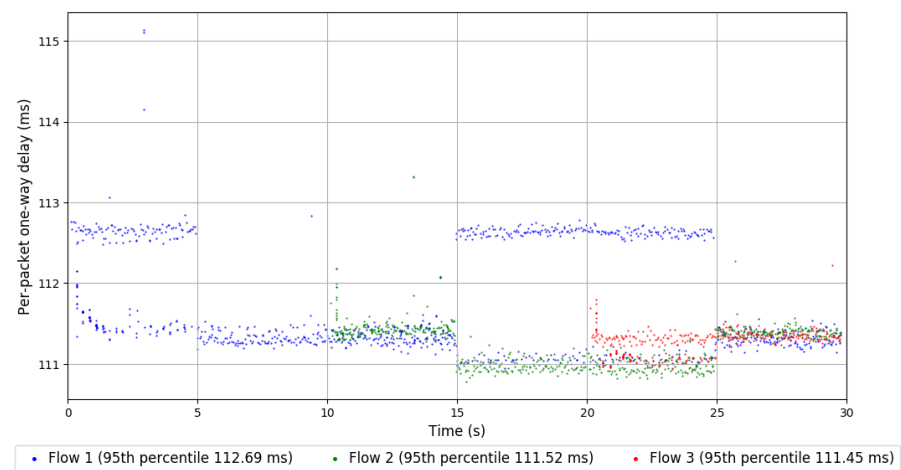
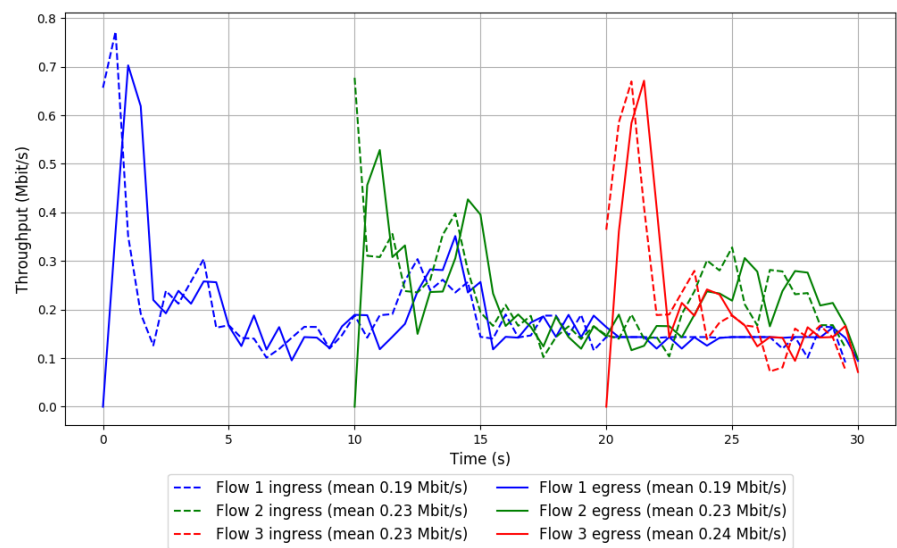


Run 1: Statistics of Sprout

Start at: 2018-07-10 13:25:08
End at: 2018-07-10 13:25:38
Local clock offset: -0.511 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.666 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.690 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.523 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.449 ms
Loss rate: 0.17%

Run 1: Report of Sprout — Data Link

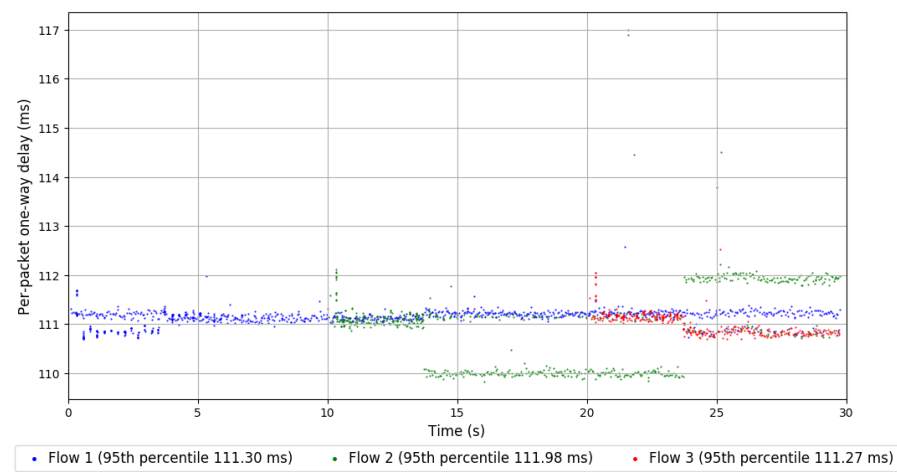
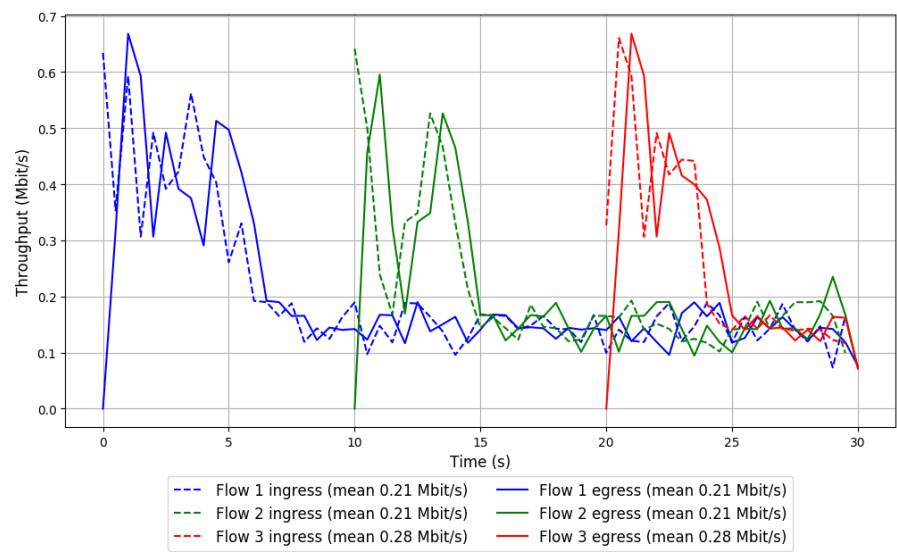


Run 2: Statistics of Sprout

Start at: 2018-07-10 13:51:29
End at: 2018-07-10 13:51:59
Local clock offset: -0.082 ms
Remote clock offset: 0.288 ms

```
# Below is generated by plot.py at 2018-07-10 19:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.915 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.302 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.983 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.269 ms
Loss rate: 0.90%
```

Run 2: Report of Sprout — Data Link

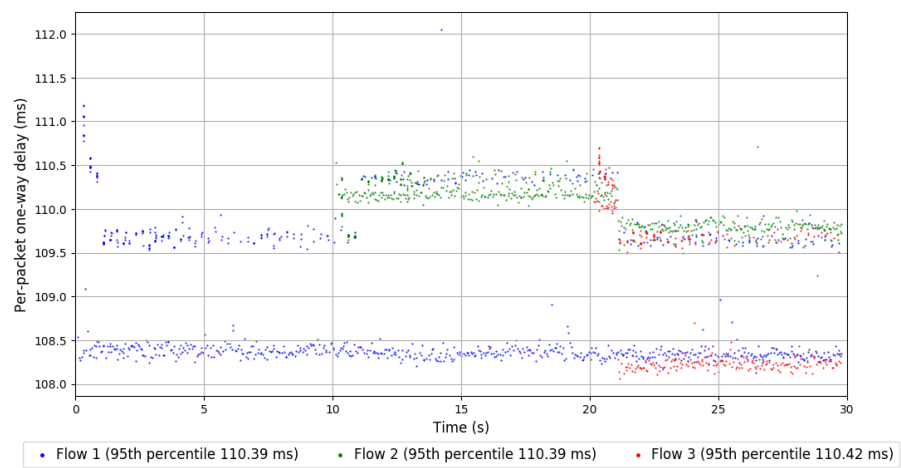
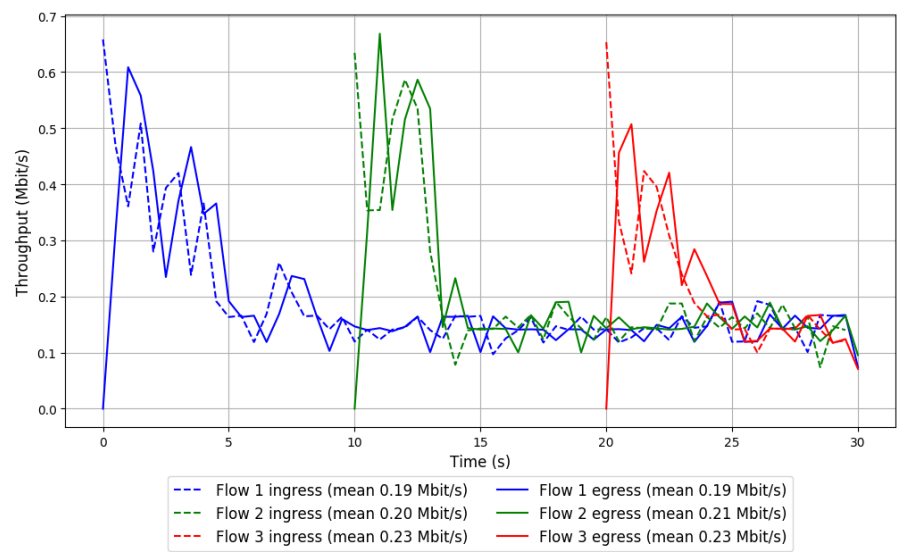


Run 3: Statistics of Sprout

Start at: 2018-07-10 14:17:22
End at: 2018-07-10 14:17:52
Local clock offset: -1.367 ms
Remote clock offset: -0.079 ms

```
# Below is generated by plot.py at 2018-07-10 19:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 110.397 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.393 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.423 ms
Loss rate: 1.60%
```


Run 3: Report of Sprout — Data Link

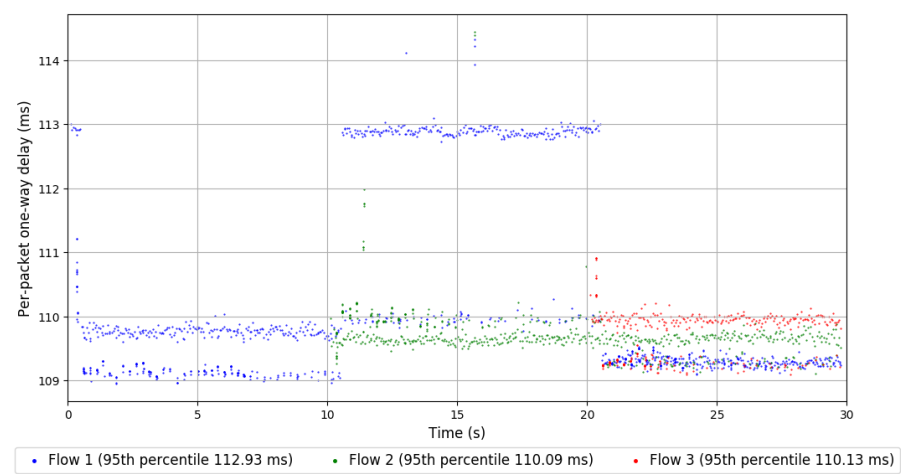
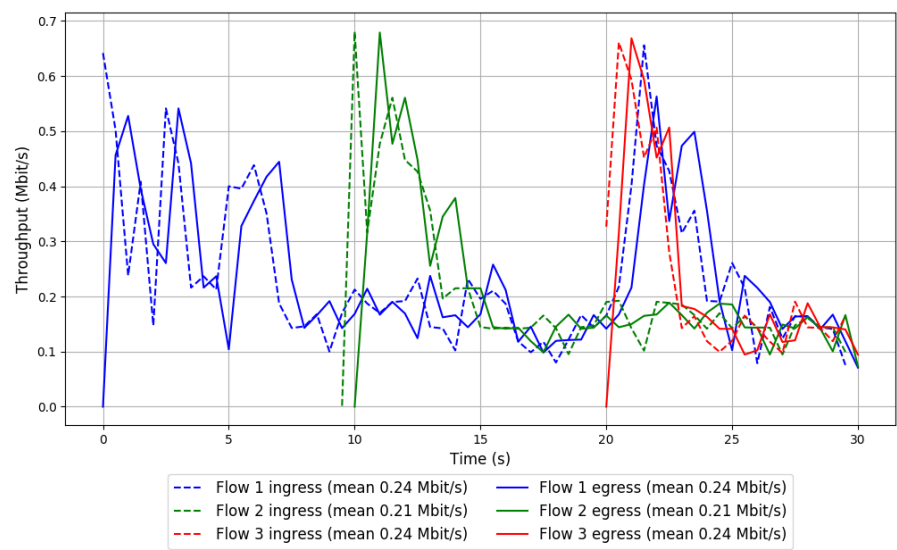


Run 4: Statistics of Sprout

Start at: 2018-07-10 14:43:32
End at: 2018-07-10 14:44:02
Local clock offset: -1.393 ms
Remote clock offset: 0.318 ms

```
# Below is generated by plot.py at 2018-07-10 19:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 112.898 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.934 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.089 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.127 ms
Loss rate: 1.97%
```

Run 4: Report of Sprout — Data Link

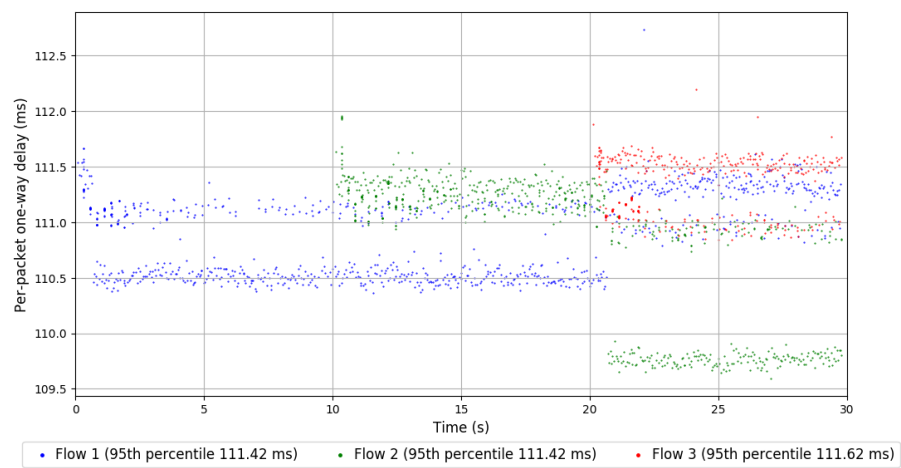
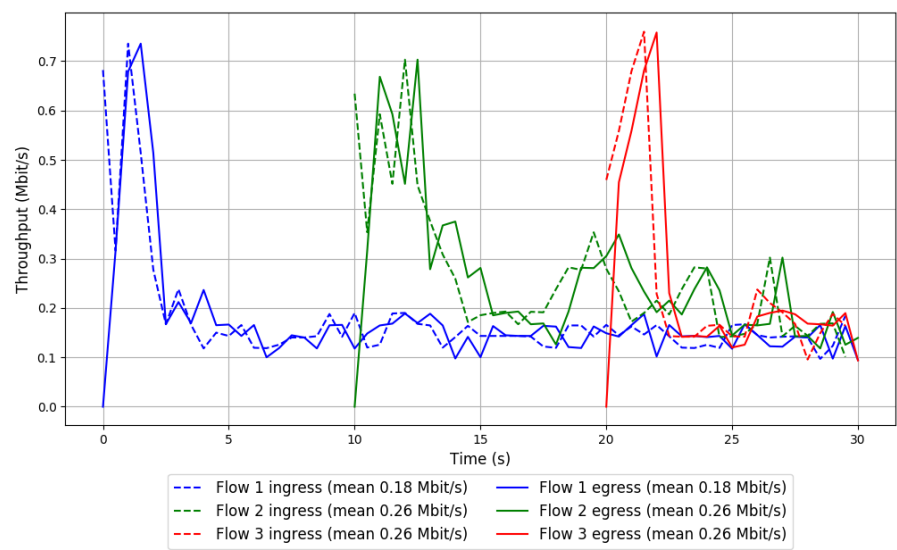


Run 5: Statistics of Sprout

Start at: 2018-07-10 15:09:52
End at: 2018-07-10 15:10:22
Local clock offset: -0.012 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.560 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.417 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.418 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 1.43%

Run 5: Report of Sprout — Data Link

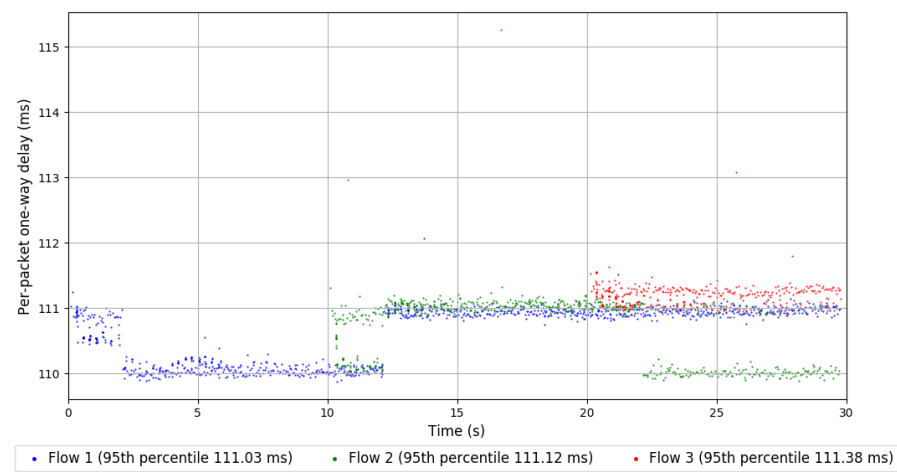
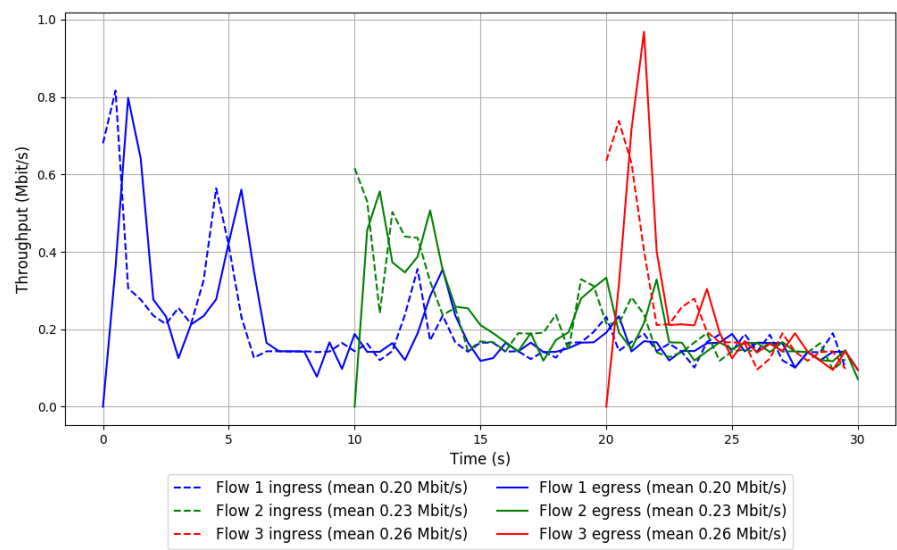


Run 6: Statistics of Sprout

Start at: 2018-07-10 15:36:21
End at: 2018-07-10 15:36:51
Local clock offset: -0.097 ms
Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.276 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.031 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.123 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 1.00%

Run 6: Report of Sprout — Data Link

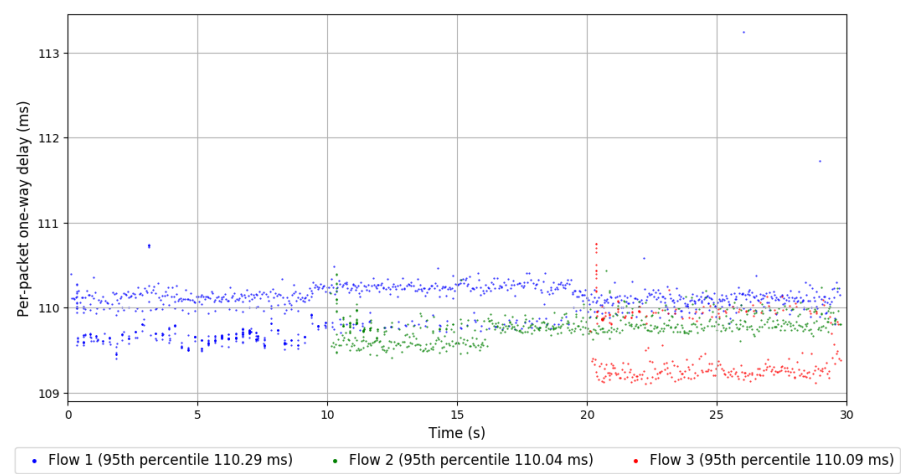
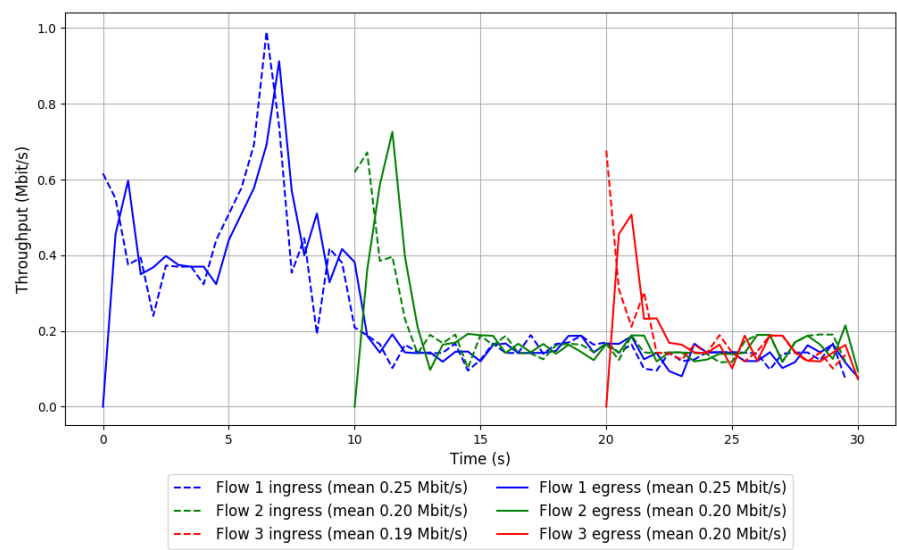


Run 7: Statistics of Sprout

Start at: 2018-07-10 16:02:54
End at: 2018-07-10 16:03:24
Local clock offset: -1.343 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 110.272 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 110.292 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.042 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.089 ms
Loss rate: 1.81%

Run 7: Report of Sprout — Data Link

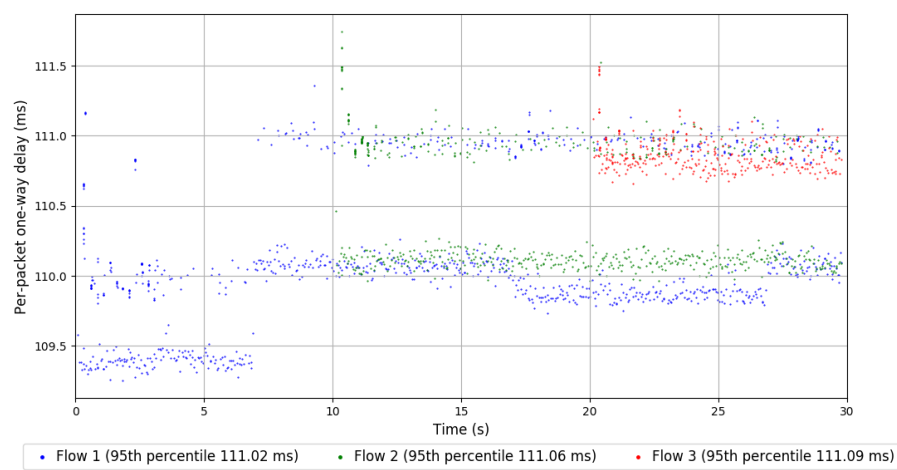
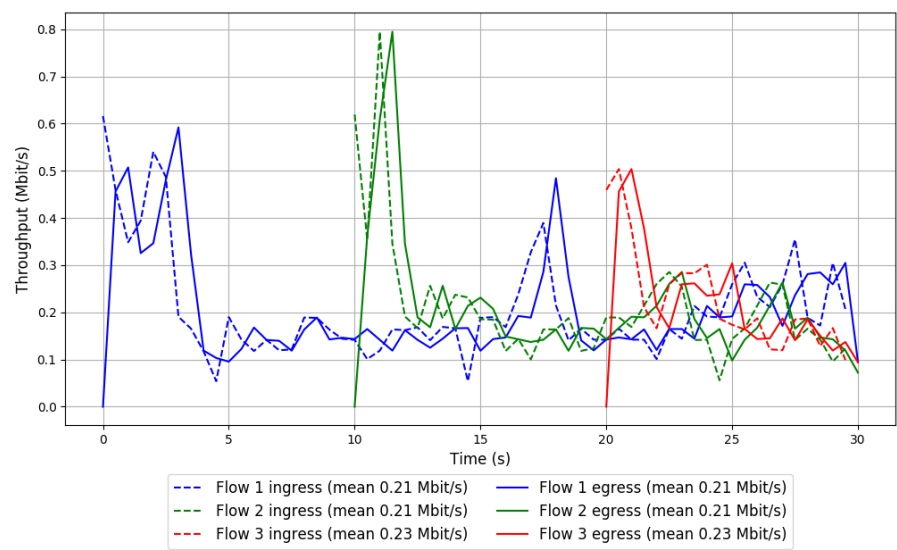


Run 8: Statistics of Sprout

Start at: 2018-07-10 16:29:06
End at: 2018-07-10 16:29:36
Local clock offset: -0.271 ms
Remote clock offset: -0.074 ms

```
# Below is generated by plot.py at 2018-07-10 19:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.037 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.016 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.064 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.095 ms
Loss rate: 1.83%
```

Run 8: Report of Sprout — Data Link

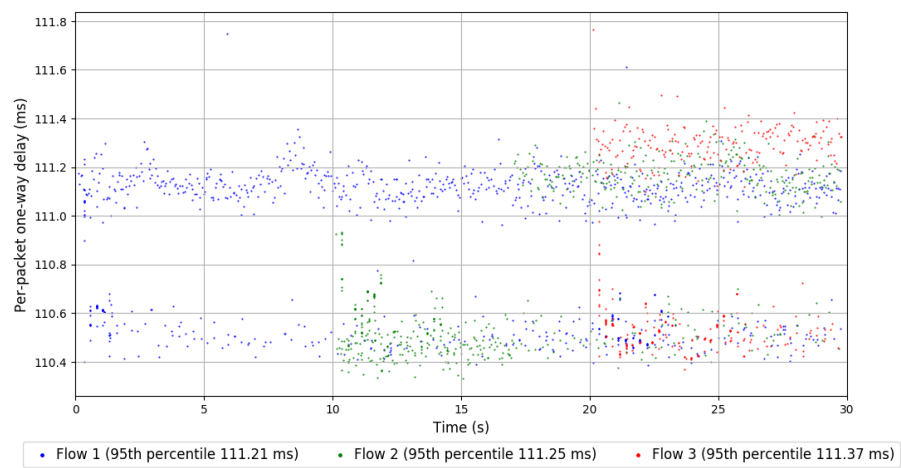
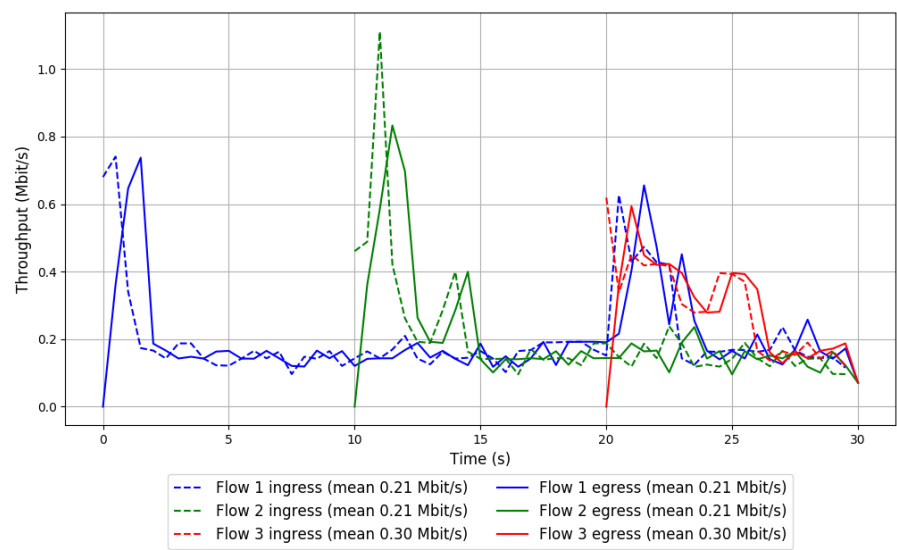


Run 9: Statistics of Sprout

Start at: 2018-07-10 16:55:36
End at: 2018-07-10 16:56:06
Local clock offset: -0.01 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-10 19:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.211 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 111.371 ms
Loss rate: 1.20%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-10 17:22:21

End at: 2018-07-10 17:22:51

Local clock offset: -0.104 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-10 19:47:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 112.543 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.513 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.560 ms

Loss rate: 1.20%

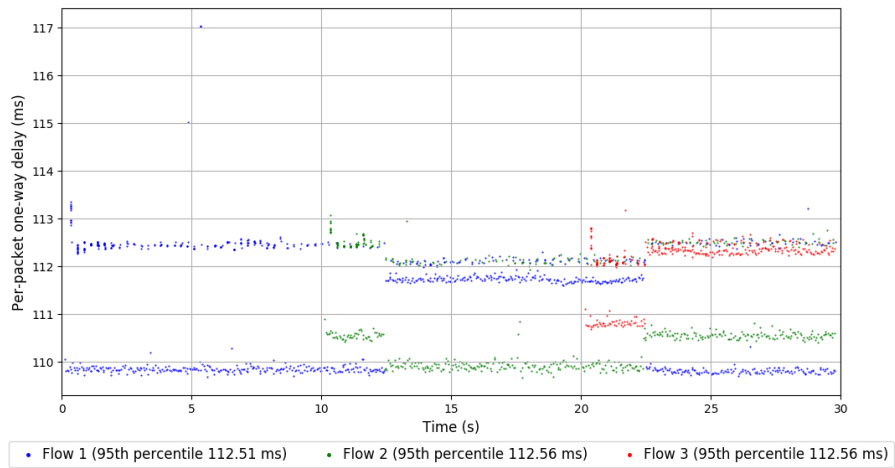
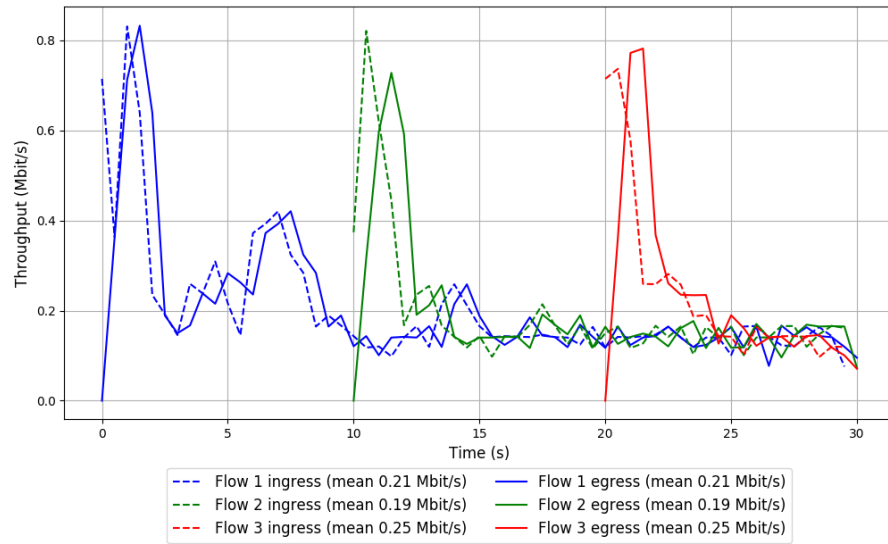
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.565 ms

Loss rate: 1.87%

Run 10: Report of Sprout — Data Link

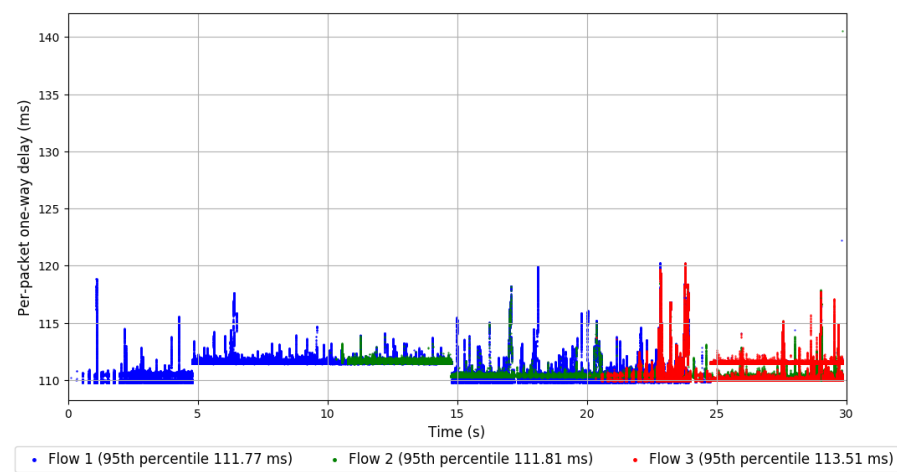
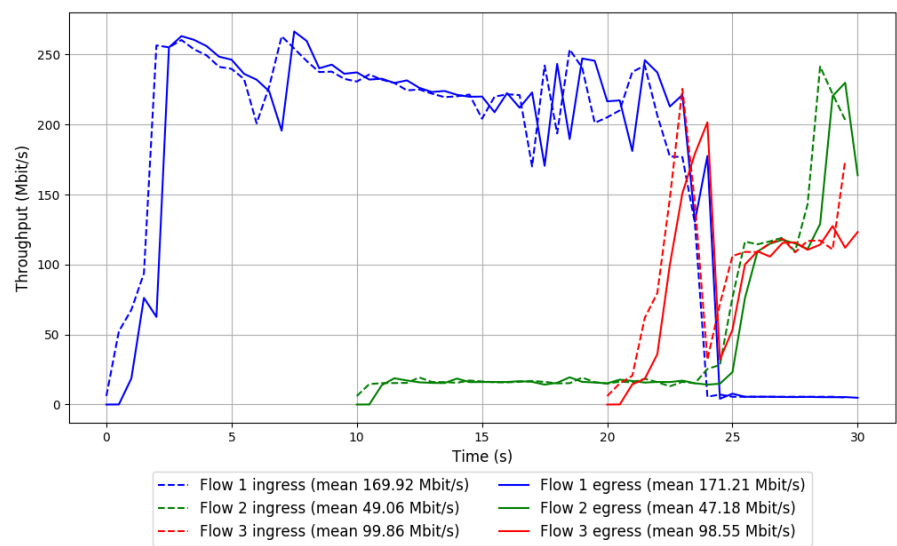


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 13:14:48
End at: 2018-07-10 13:15:18
Local clock offset: -1.394 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-07-10 19:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.71 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 171.21 Mbit/s
95th percentile per-packet one-way delay: 111.772 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 111.806 ms
Loss rate: 4.76%
-- Flow 3:
Average throughput: 98.55 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 3.52%

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

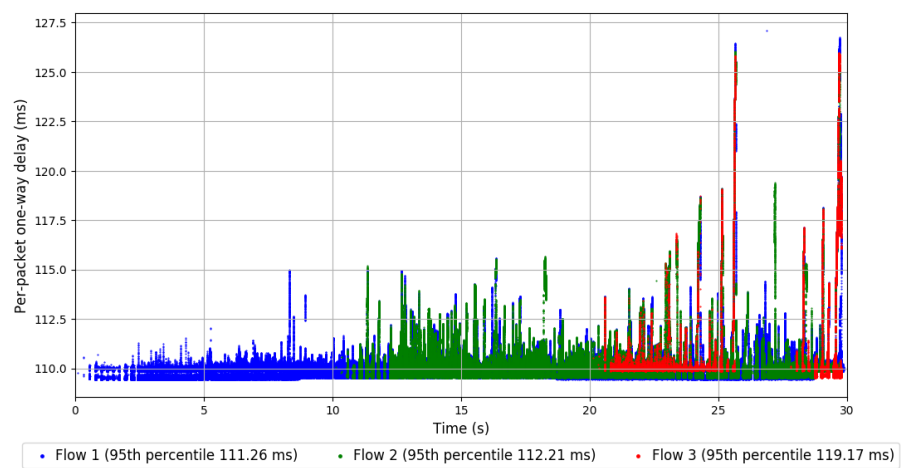
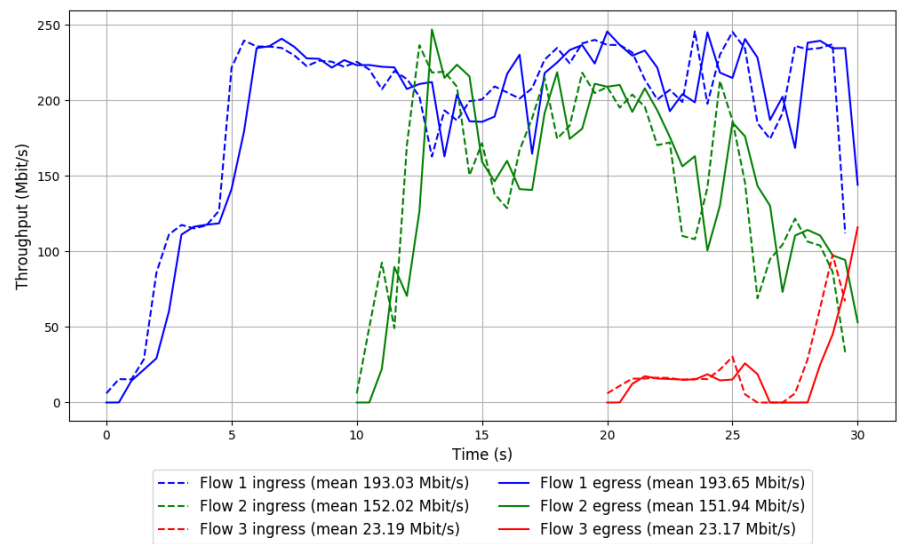


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 13:41:04
End at: 2018-07-10 13:41:34
Local clock offset: -1.498 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-10 19:51:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.42 Mbit/s
95th percentile per-packet one-way delay: 111.747 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 193.65 Mbit/s
95th percentile per-packet one-way delay: 111.258 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 151.94 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 119.166 ms
Loss rate: 0.00%

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

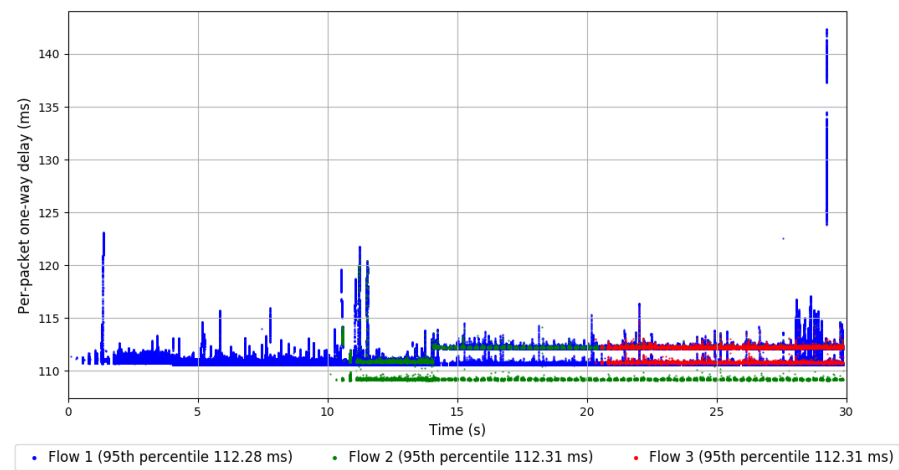
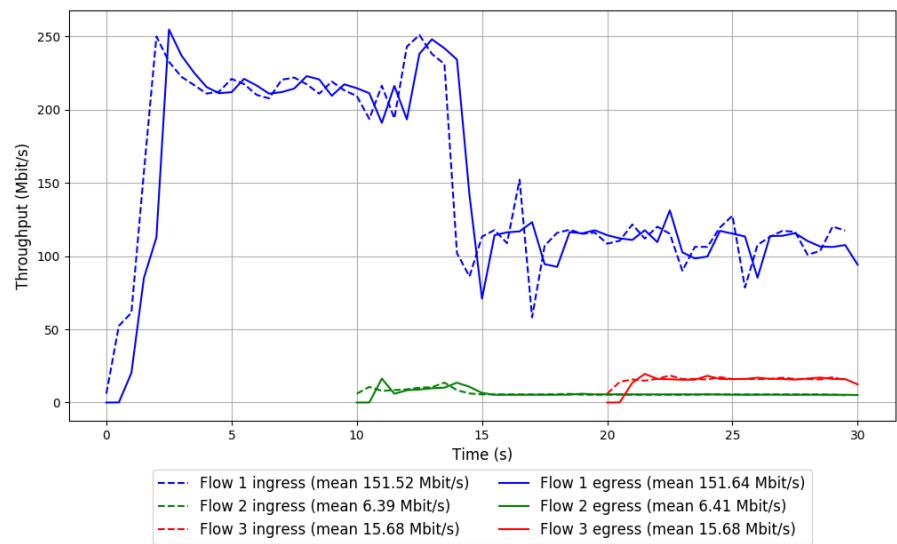


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 14:07:39
End at: 2018-07-10 14:08:09
Local clock offset: -0.332 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-10 19:51:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 151.64 Mbit/s
95th percentile per-packet one-way delay: 112.278 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 112.307 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 112.309 ms
Loss rate: 2.26%

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

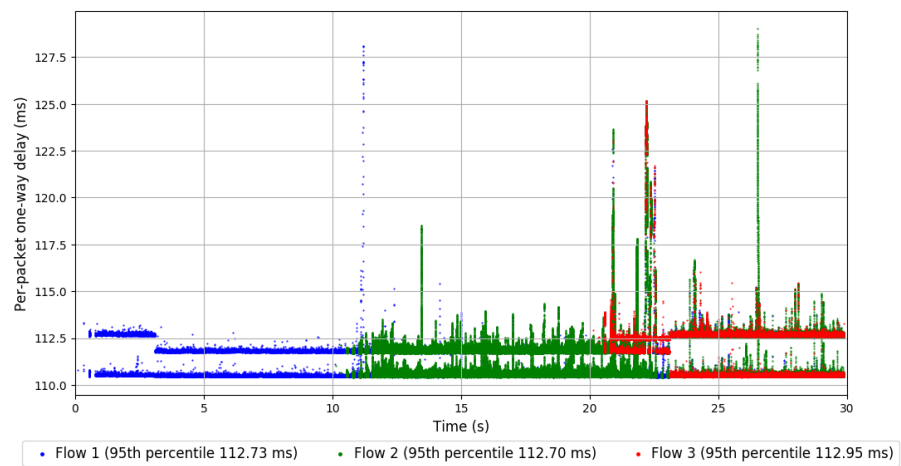
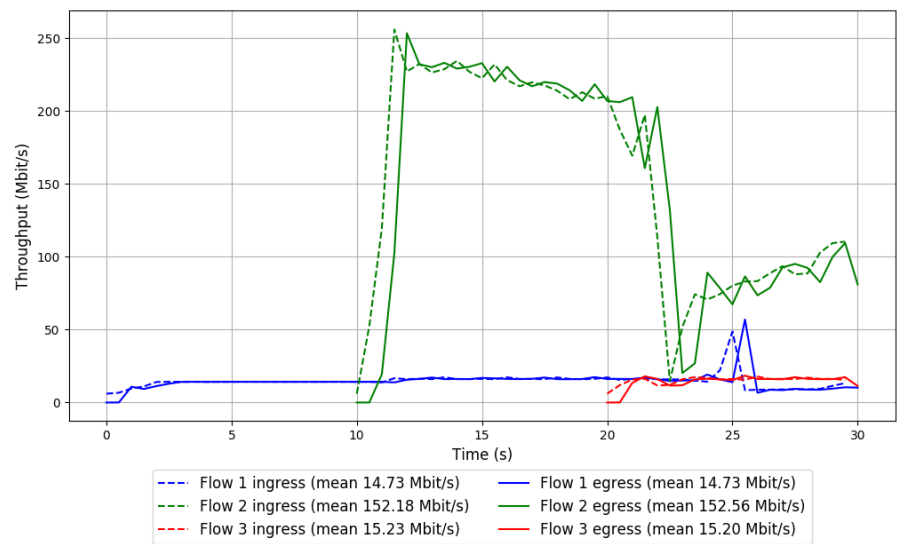


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 14:33:40
End at: 2018-07-10 14:34:10
Local clock offset: 1.111 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-10 19:51:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.95 Mbit/s
95th percentile per-packet one-way delay: 112.722 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 112.731 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 152.56 Mbit/s
95th percentile per-packet one-way delay: 112.704 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 112.949 ms
Loss rate: 2.45%

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

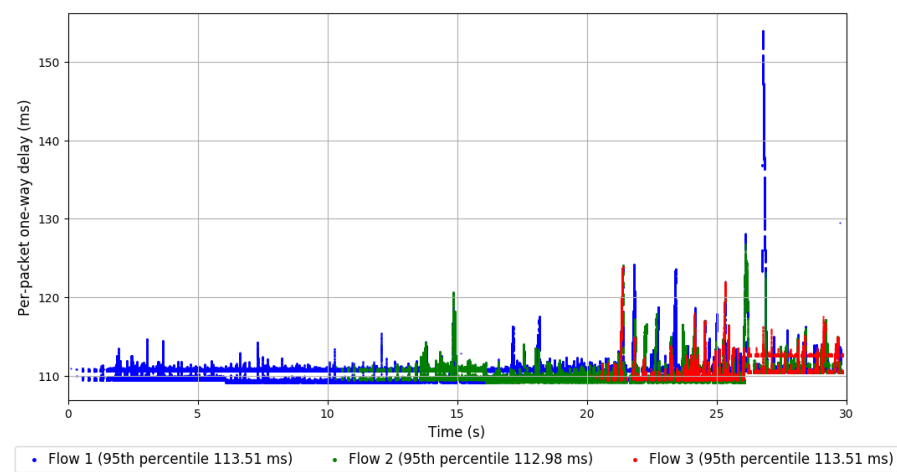
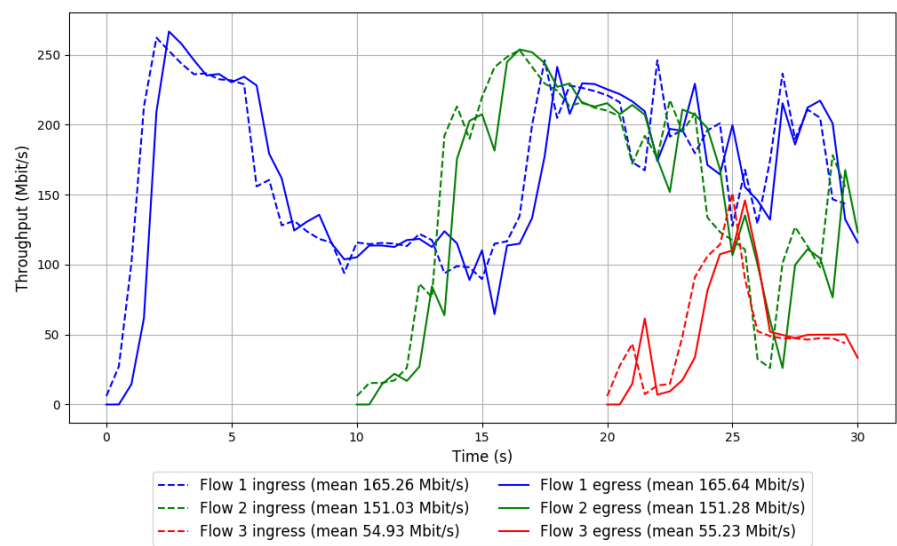


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 14:59:27
End at: 2018-07-10 14:59:57
Local clock offset: -0.072 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-10 19:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.12 Mbit/s
95th percentile per-packet one-way delay: 113.314 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 165.64 Mbit/s
95th percentile per-packet one-way delay: 113.510 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 112.979 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 113.511 ms
Loss rate: 1.71%

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



Run 6: Statistics of TaoVA-100x

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

End at: 2018-07-10 15:26:27

Local clock offset: -1.383 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-07-10 19:51:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.49 Mbit/s

95th percentile per-packet one-way delay: 110.465 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 184.20 Mbit/s

95th percentile per-packet one-way delay: 109.860 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 109.621 ms

Loss rate: 1.20%

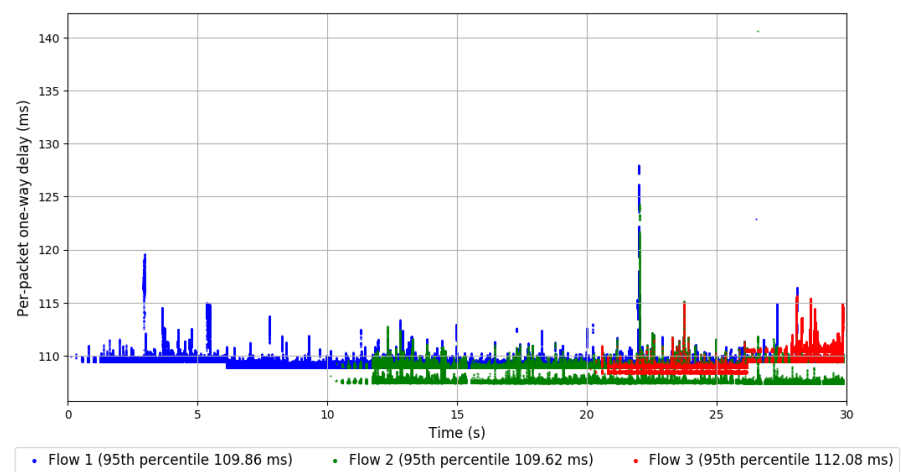
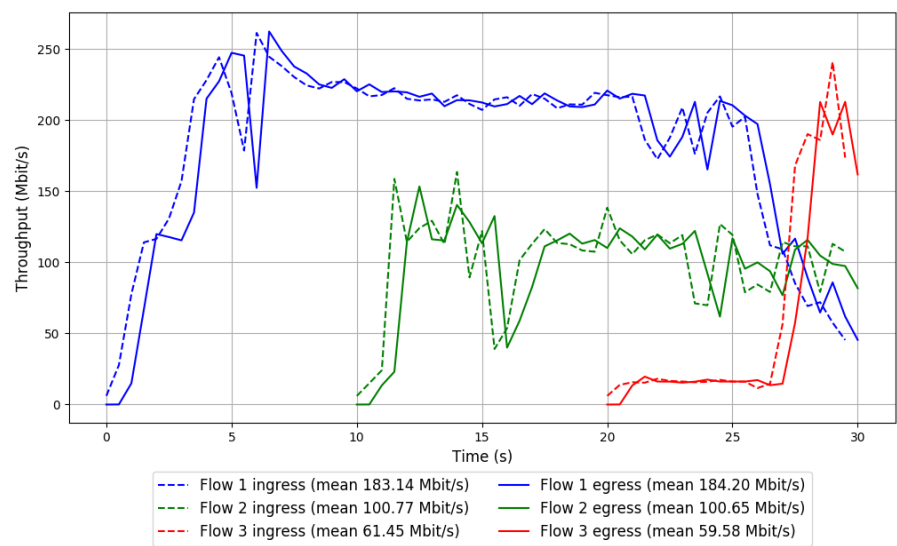
-- Flow 3:

Average throughput: 59.58 Mbit/s

95th percentile per-packet one-way delay: 112.082 ms

Loss rate: 5.25%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 15:52:31

End at: 2018-07-10 15:53:01

Local clock offset: -0.201 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-07-10 19:55:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.75 Mbit/s

95th percentile per-packet one-way delay: 112.249 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 191.57 Mbit/s

95th percentile per-packet one-way delay: 111.946 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 103.54 Mbit/s

95th percentile per-packet one-way delay: 112.237 ms

Loss rate: 1.12%

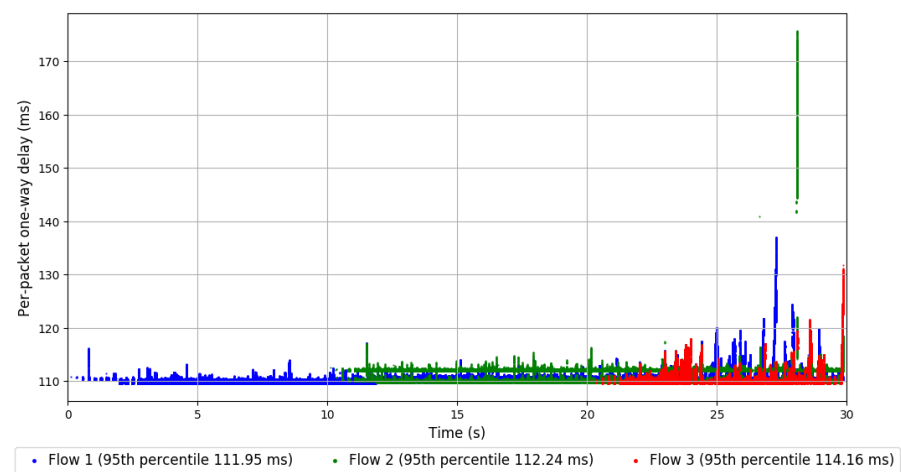
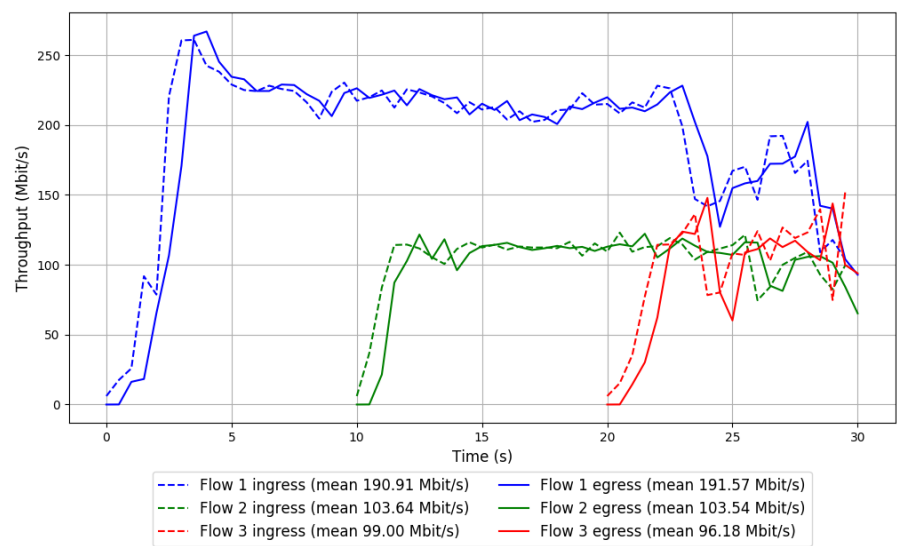
-- Flow 3:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 114.164 ms

Loss rate: 4.33%

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

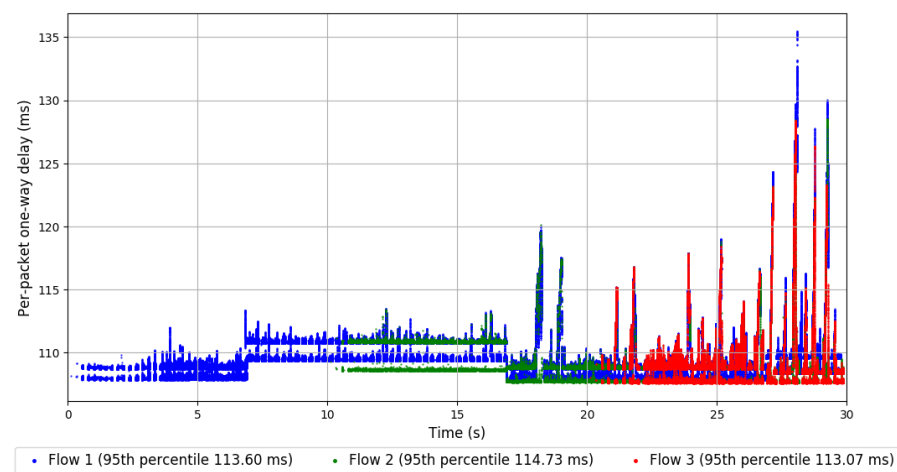
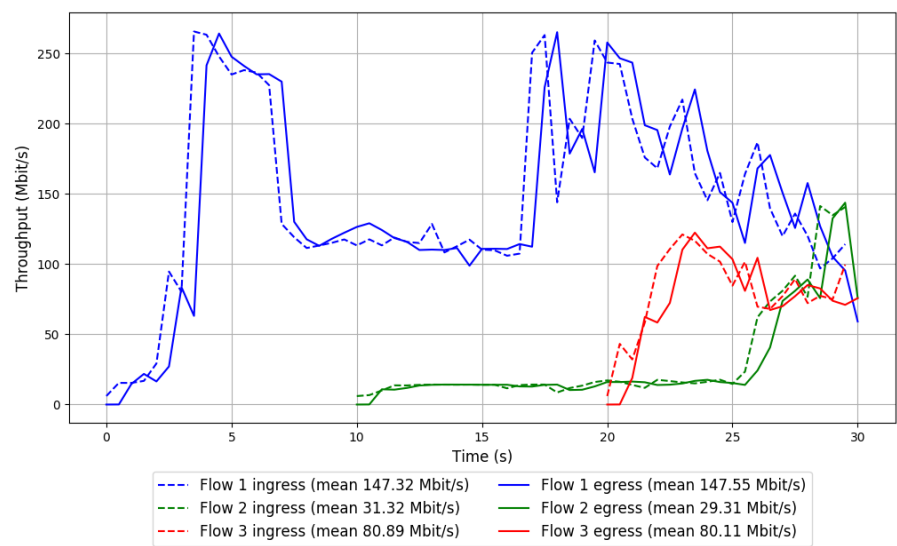


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 16:18:56
End at: 2018-07-10 16:19:26
Local clock offset: -1.623 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-10 19:55:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.78 Mbit/s
95th percentile per-packet one-way delay: 113.629 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 113.603 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 114.729 ms
Loss rate: 7.47%
-- Flow 3:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 113.069 ms
Loss rate: 3.13%

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

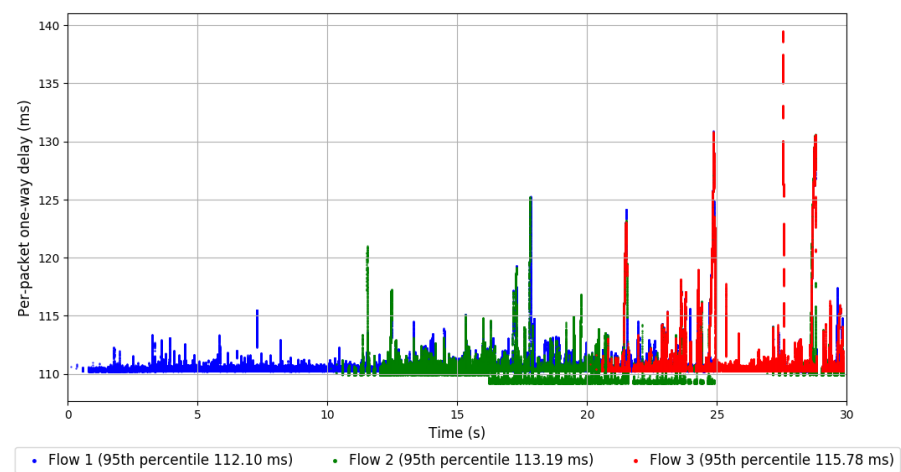
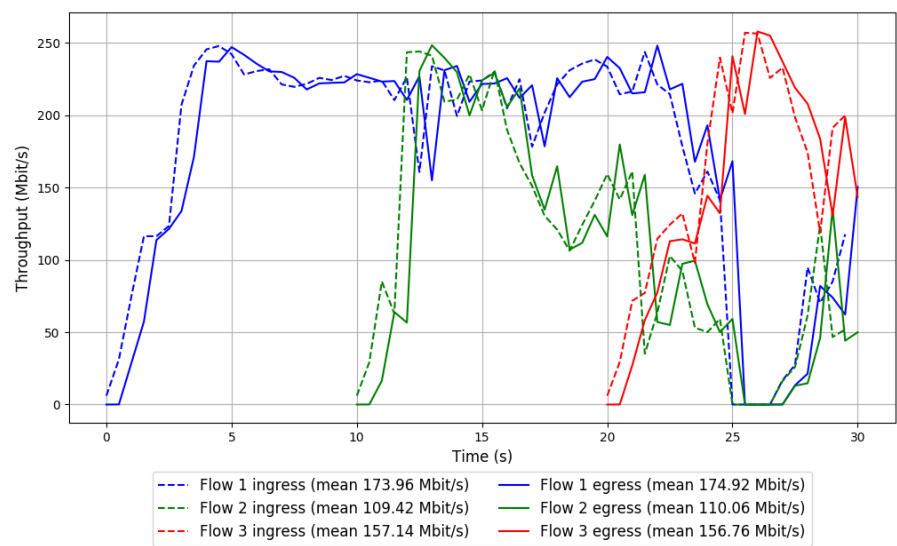


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 16:45:27
End at: 2018-07-10 16:45:57
Local clock offset: 0.005 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-10 19:57:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.08 Mbit/s
95th percentile per-packet one-way delay: 112.806 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 174.92 Mbit/s
95th percentile per-packet one-way delay: 112.099 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 110.06 Mbit/s
95th percentile per-packet one-way delay: 113.185 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 115.783 ms
Loss rate: 2.46%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 17:11:55

End at: 2018-07-10 17:12:25

Local clock offset: -0.086 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-10 19:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.55 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 214.25 Mbit/s

95th percentile per-packet one-way delay: 111.799 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 157.27 Mbit/s

95th percentile per-packet one-way delay: 115.575 ms

Loss rate: 1.14%

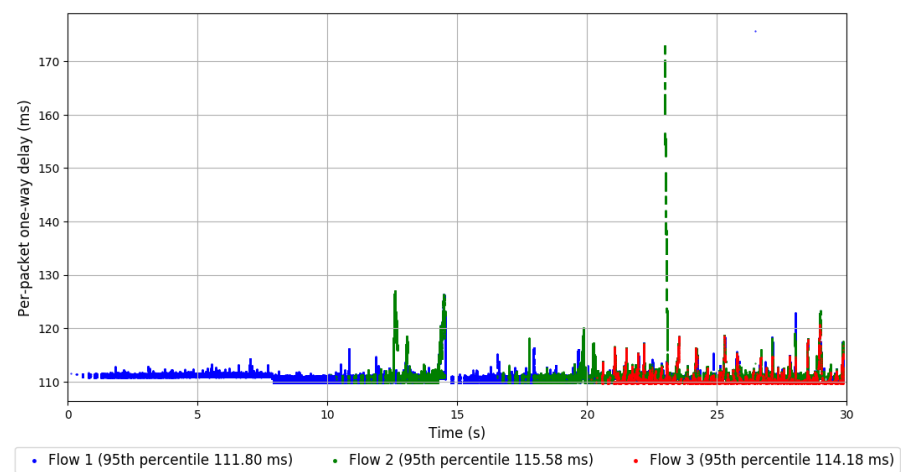
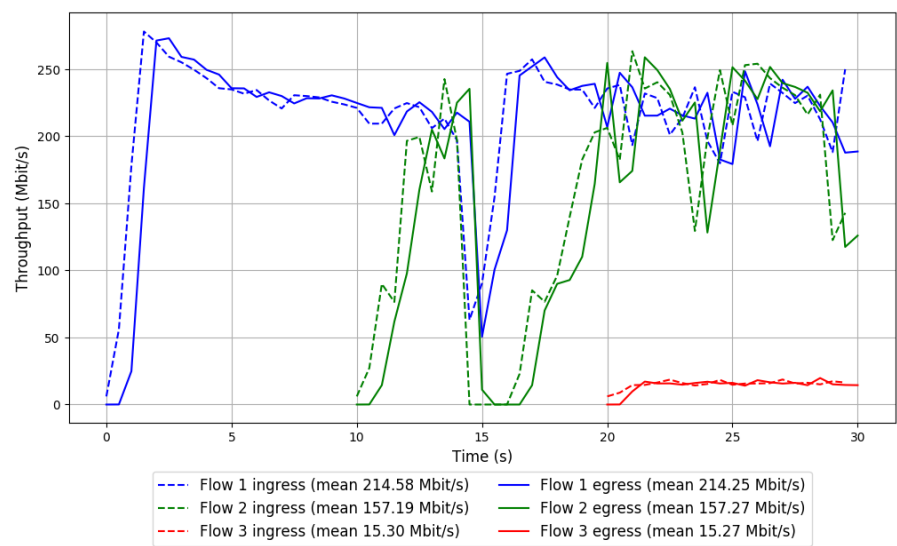
-- Flow 3:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 114.180 ms

Loss rate: 2.38%

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

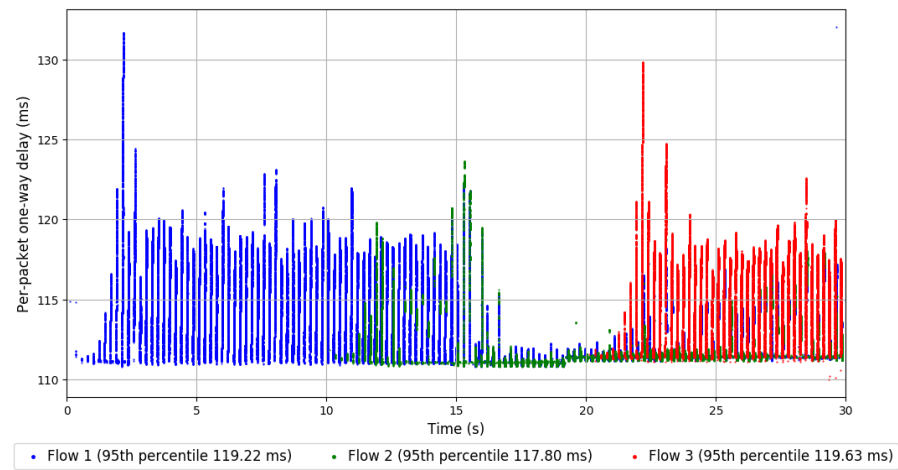
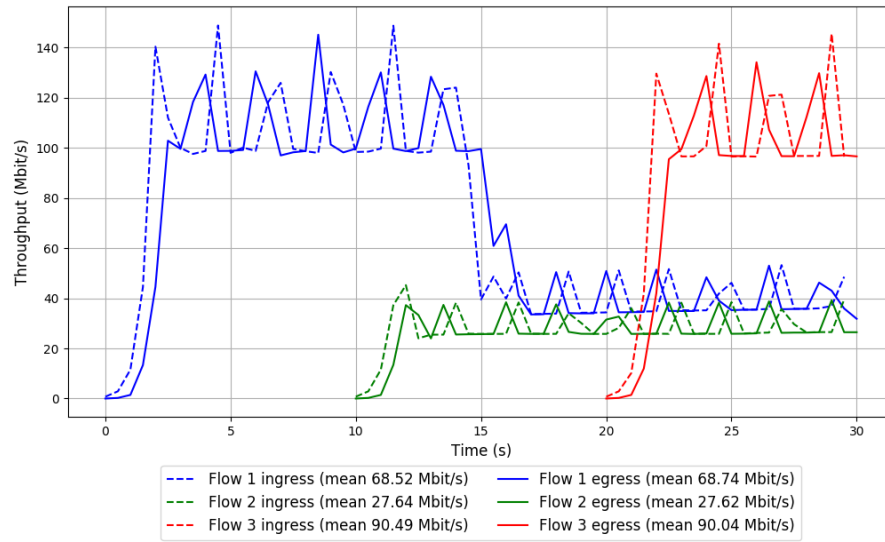


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 13:27:34
End at: 2018-07-10 13:28:04
Local clock offset: -0.177 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-10 19:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.47 Mbit/s
95th percentile per-packet one-way delay: 119.192 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 119.224 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 117.800 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 119.631 ms
Loss rate: 2.69%

Run 1: Report of TCP Vegas — Data Link

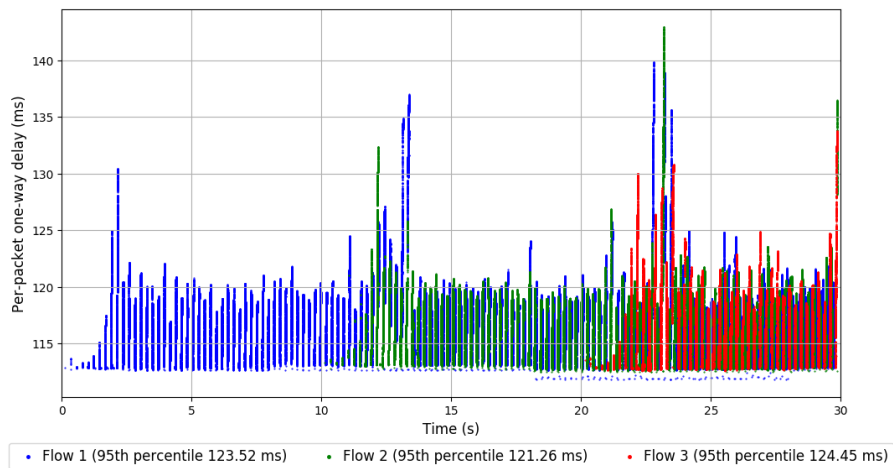
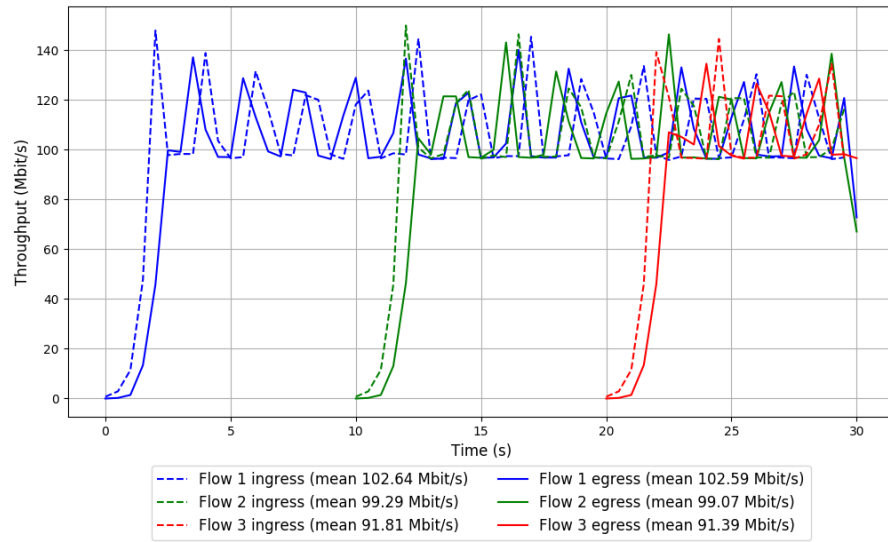


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 13:53:55
End at: 2018-07-10 13:54:25
Local clock offset: 1.153 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-07-10 19:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.79 Mbit/s
95th percentile per-packet one-way delay: 122.872 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 102.59 Mbit/s
95th percentile per-packet one-way delay: 123.515 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 99.07 Mbit/s
95th percentile per-packet one-way delay: 121.258 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 124.455 ms
Loss rate: 2.62%

Run 2: Report of TCP Vegas — Data Link

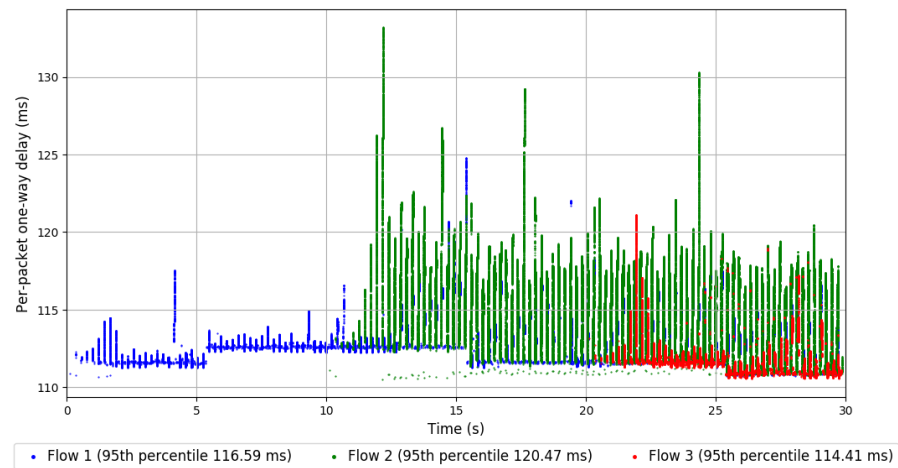
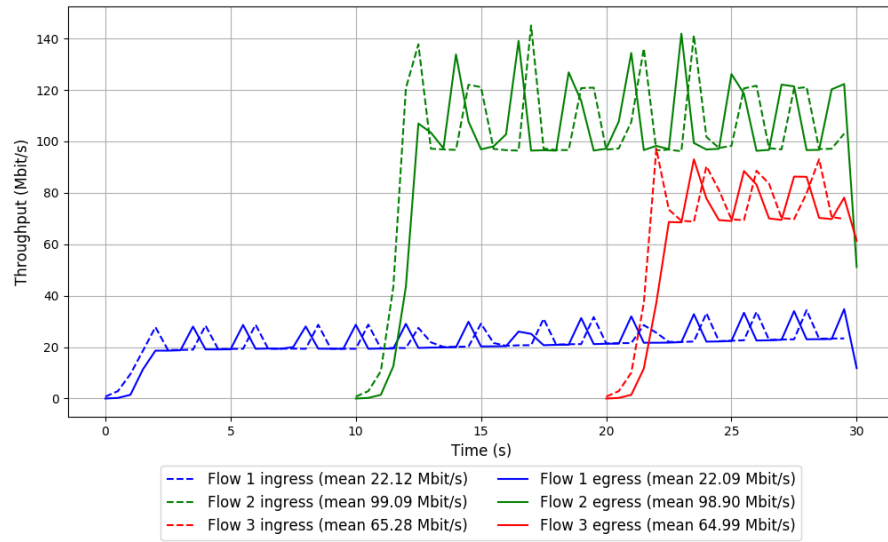


Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 14:19:48
End at: 2018-07-10 14:20:18
Local clock offset: -0.187 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-10 19:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.84 Mbit/s
95th percentile per-packet one-way delay: 119.448 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 116.590 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 98.90 Mbit/s
95th percentile per-packet one-way delay: 120.468 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 114.406 ms
Loss rate: 2.69%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 14:45:58

End at: 2018-07-10 14:46:28

Local clock offset: -1.335 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-10 19:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.71 Mbit/s

95th percentile per-packet one-way delay: 116.886 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 115.471 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 118.110 ms

Loss rate: 0.89%

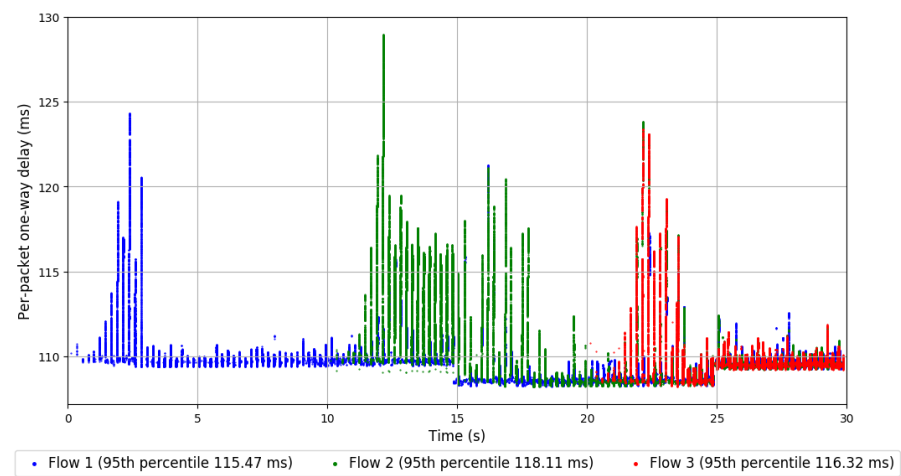
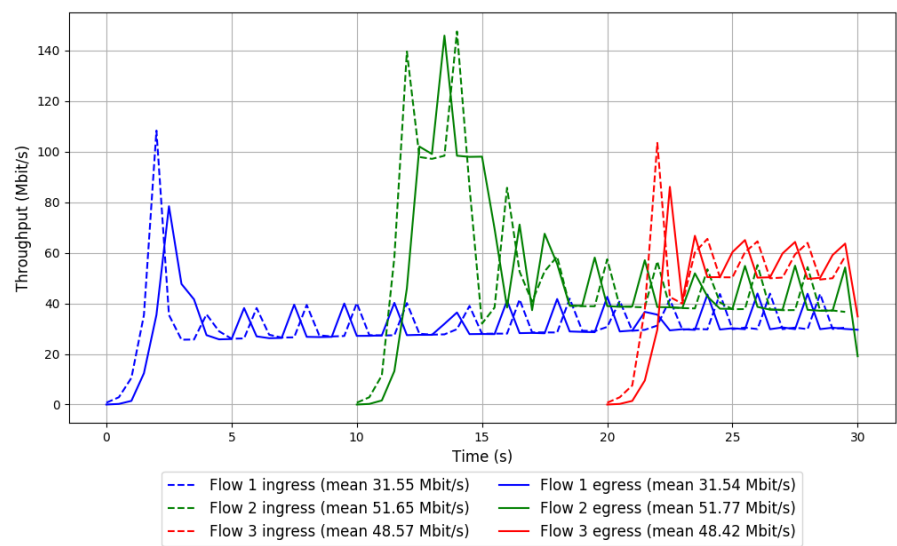
-- Flow 3:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 116.323 ms

Loss rate: 2.54%

Run 4: Report of TCP Vegas — Data Link

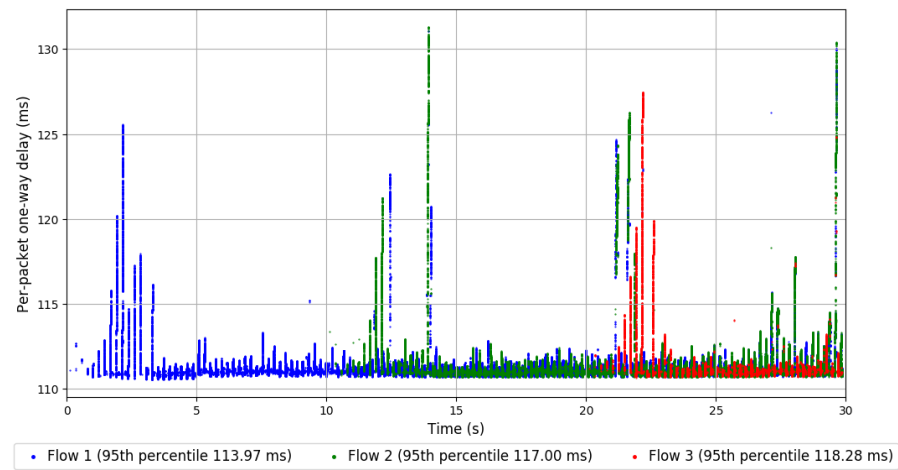
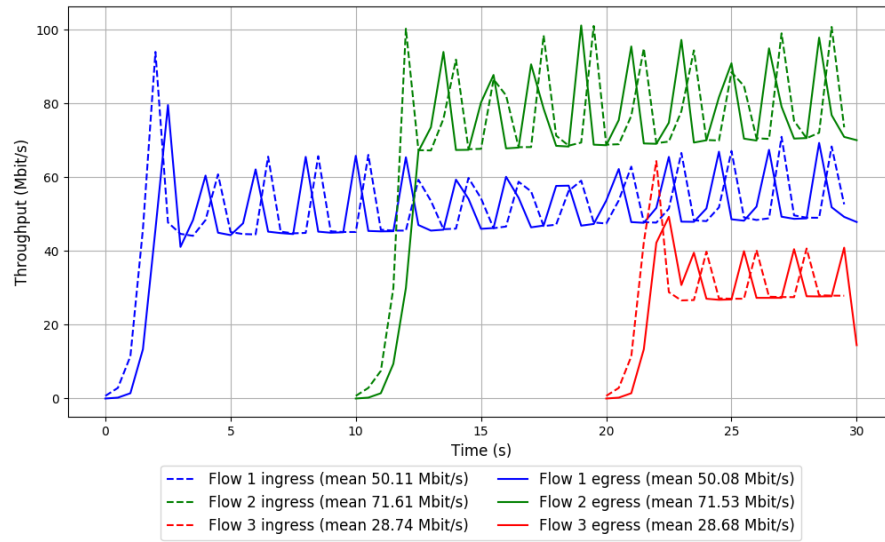


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 15:12:18
End at: 2018-07-10 15:12:48
Local clock offset: -0.495 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-10 19:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 115.526 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 113.973 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 117.004 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 118.282 ms
Loss rate: 2.44%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 15:38:47

End at: 2018-07-10 15:39:17

Local clock offset: 0.134 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-07-10 19:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.12 Mbit/s

95th percentile per-packet one-way delay: 120.880 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 116.080 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 117.978 ms

Loss rate: 2.61%

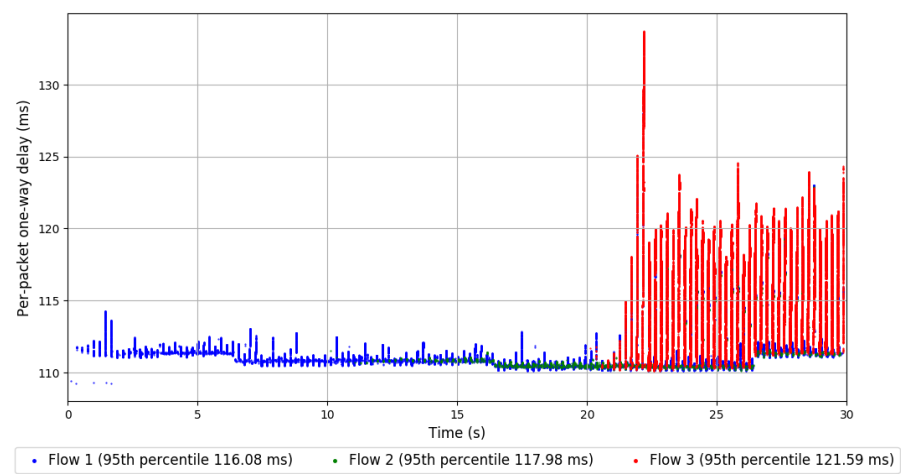
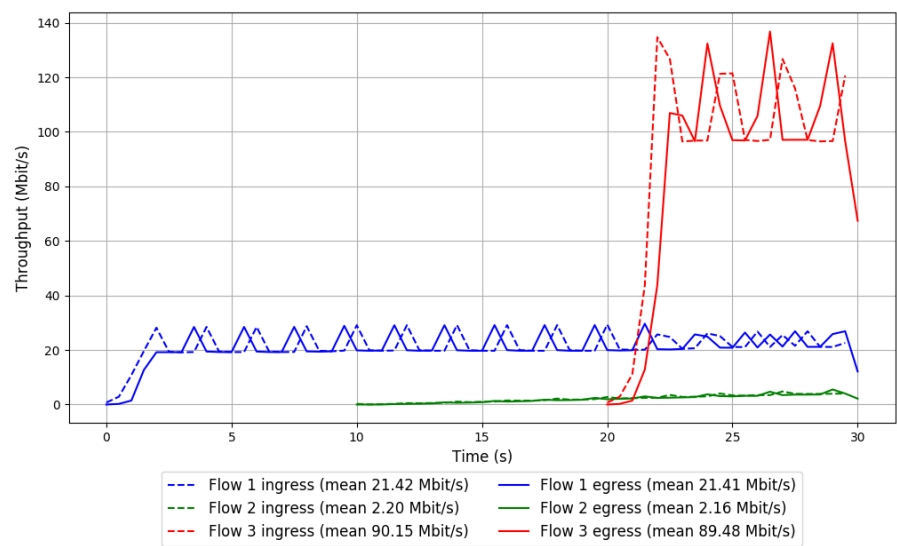
-- Flow 3:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 121.586 ms

Loss rate: 2.96%

Run 6: Report of TCP Vegas — Data Link

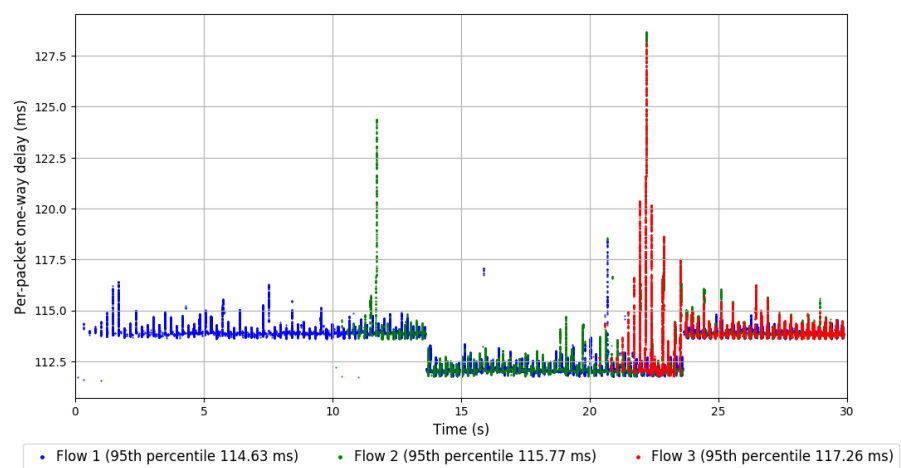
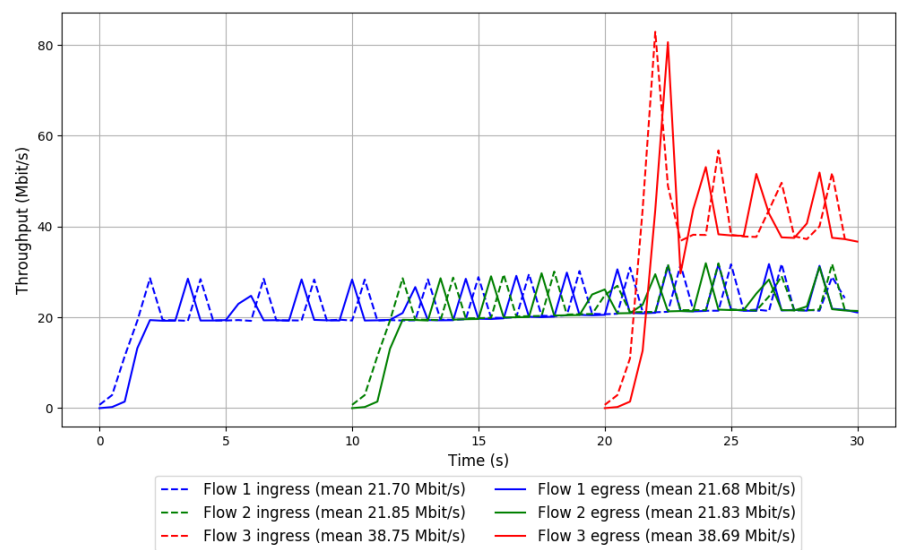


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 16:05:19
End at: 2018-07-10 16:05:49
Local clock offset: 1.207 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-10 19:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 115.356 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 114.628 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 115.765 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 117.263 ms
Loss rate: 2.39%

Run 7: Report of TCP Vegas — Data Link

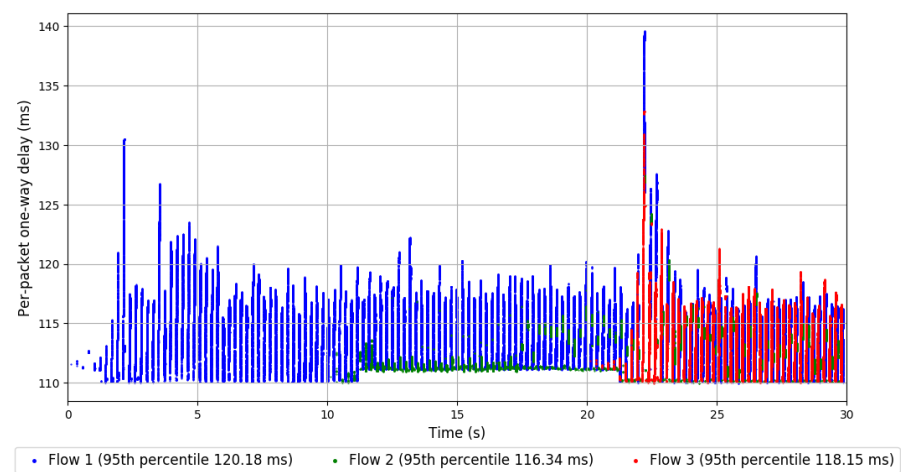
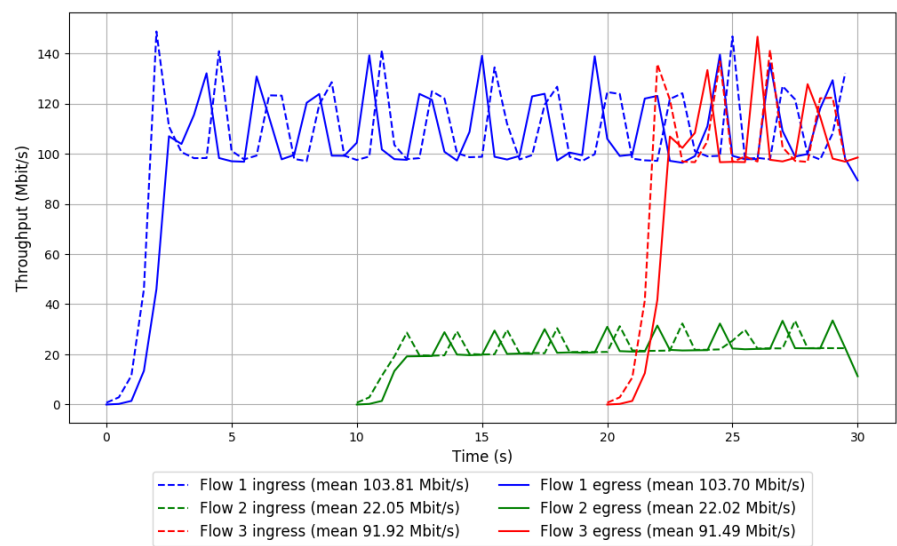


Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 16:31:32
End at: 2018-07-10 16:32:02
Local clock offset: -0.019 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-10 19:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.02 Mbit/s
95th percentile per-packet one-way delay: 119.649 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 103.70 Mbit/s
95th percentile per-packet one-way delay: 120.179 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 116.344 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 118.154 ms
Loss rate: 2.67%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 16:58:02

End at: 2018-07-10 16:58:32

Local clock offset: 0.011 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-07-10 19:58:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.42 Mbit/s

95th percentile per-packet one-way delay: 115.384 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 56.57 Mbit/s

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

Loss rate: 0.75%

-- Flow 2:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 114.398 ms

Loss rate: 1.20%

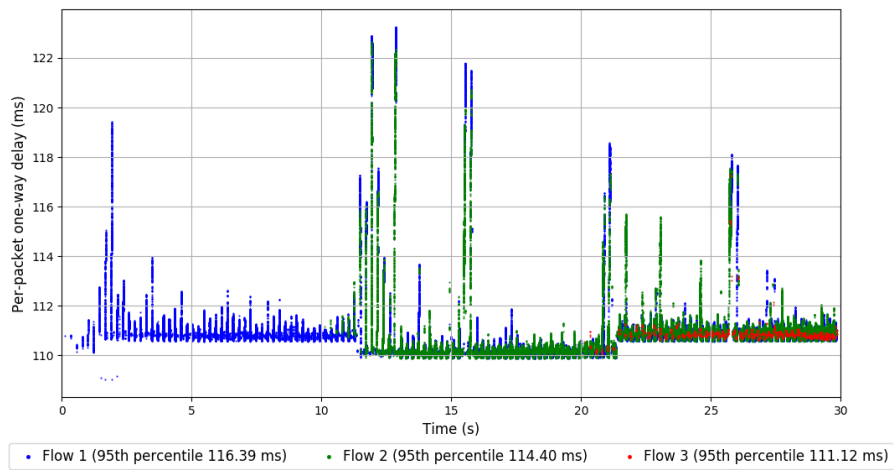
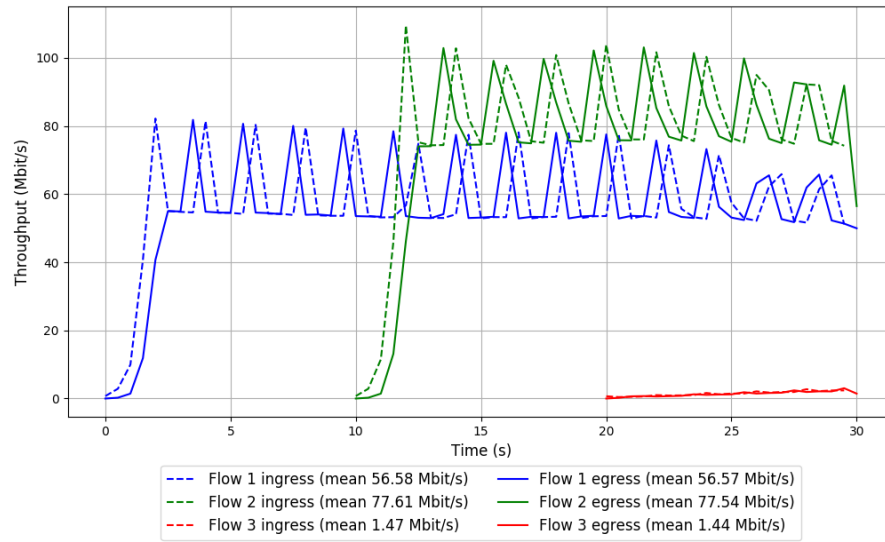
-- Flow 3:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 111.118 ms

Loss rate: 4.10%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 17:24:46

End at: 2018-07-10 17:25:16

Local clock offset: -0.01 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-07-10 19:58:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.31 Mbit/s

95th percentile per-packet one-way delay: 121.493 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 99.85 Mbit/s

95th percentile per-packet one-way delay: 121.655 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 118.551 ms

Loss rate: 2.64%

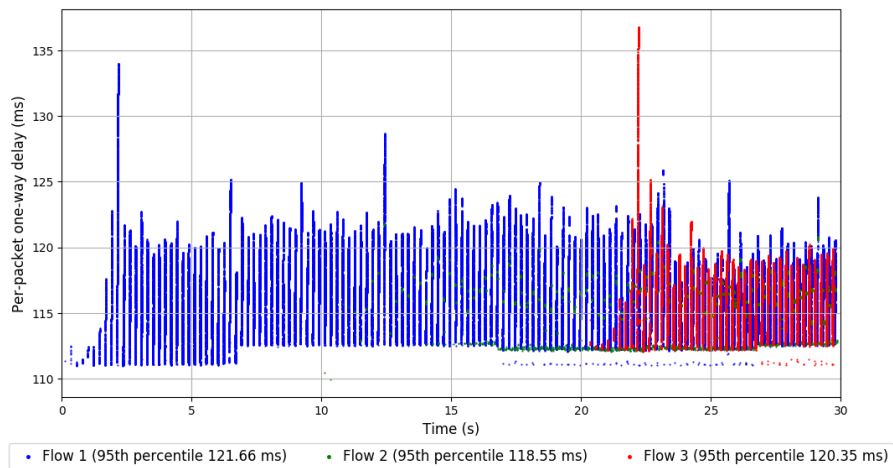
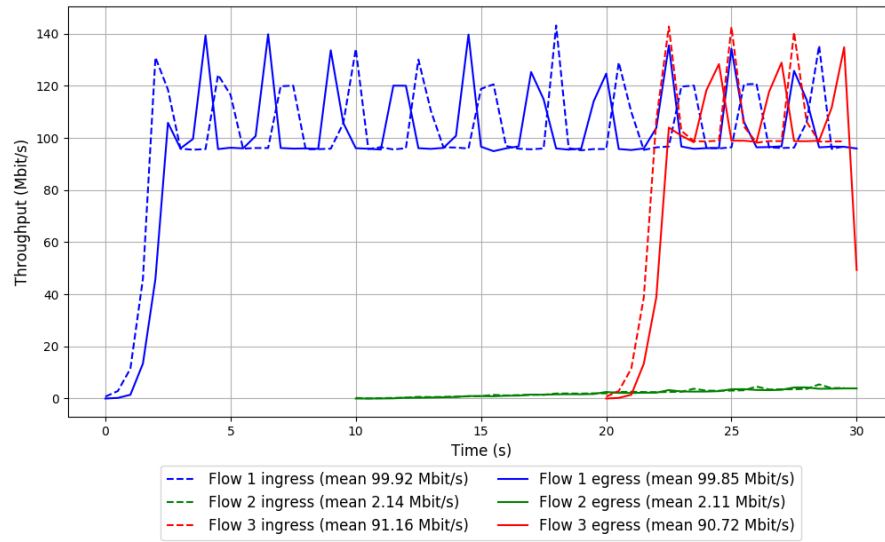
-- Flow 3:

Average throughput: 90.72 Mbit/s

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

Loss rate: 2.76%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-10 13:28:54

End at: 2018-07-10 13:29:24

Local clock offset: -1.357 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-07-10 19:59:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.38 Mbit/s

95th percentile per-packet one-way delay: 257.429 ms

Loss rate: 5.12%

-- Flow 1:

Average throughput: 167.94 Mbit/s

95th percentile per-packet one-way delay: 219.115 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 105.67 Mbit/s

95th percentile per-packet one-way delay: 295.725 ms

Loss rate: 9.38%

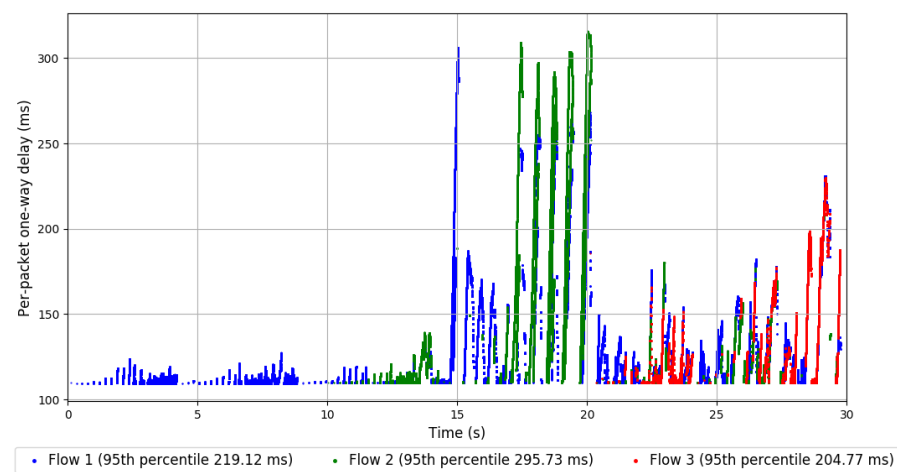
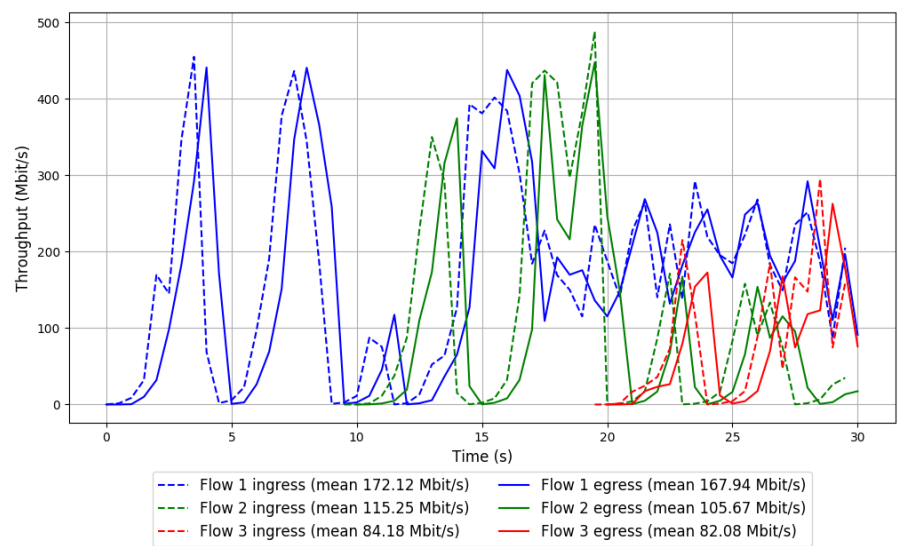
-- Flow 3:

Average throughput: 82.08 Mbit/s

95th percentile per-packet one-way delay: 204.771 ms

Loss rate: 5.54%

Run 1: Report of Verus — Data Link

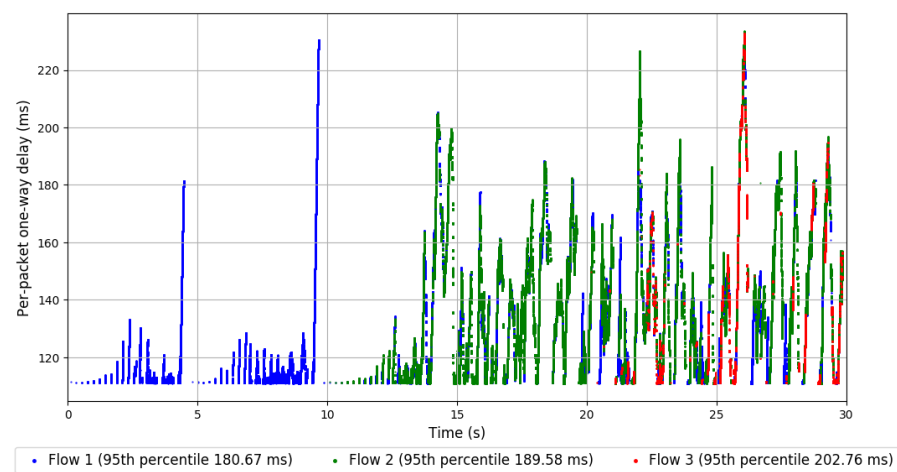
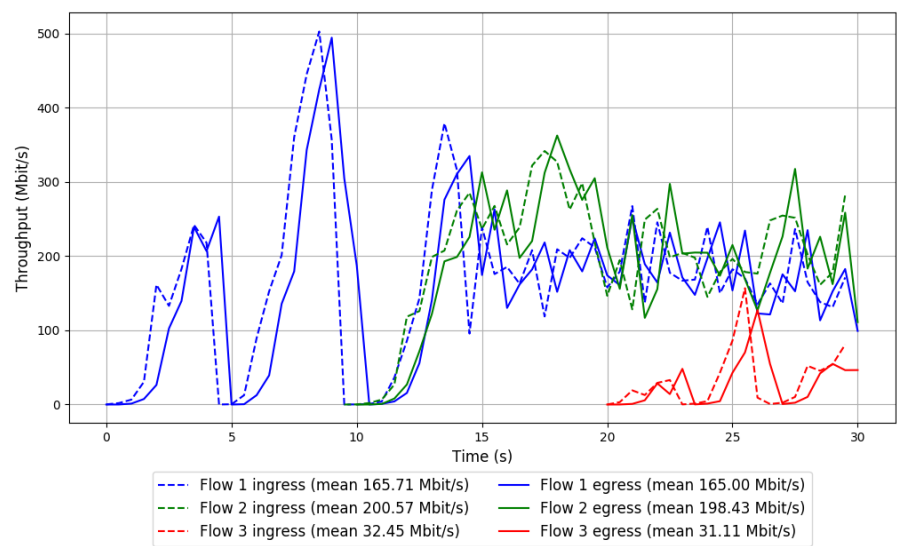


Run 2: Statistics of Verus

Start at: 2018-07-10 13:55:20
End at: 2018-07-10 13:55:50
Local clock offset: -0.044 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-10 20:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.81 Mbit/s
95th percentile per-packet one-way delay: 186.298 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 165.00 Mbit/s
95th percentile per-packet one-way delay: 180.673 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 198.43 Mbit/s
95th percentile per-packet one-way delay: 189.579 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 202.760 ms
Loss rate: 6.67%

Run 2: Report of Verus — Data Link

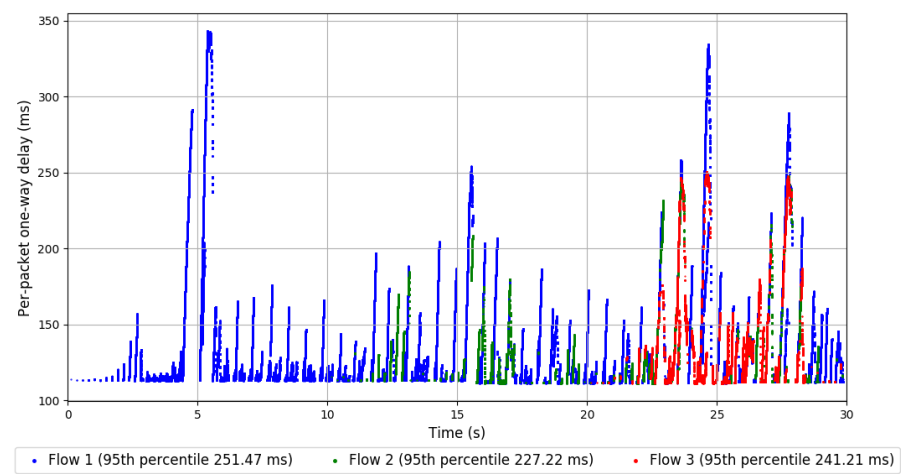
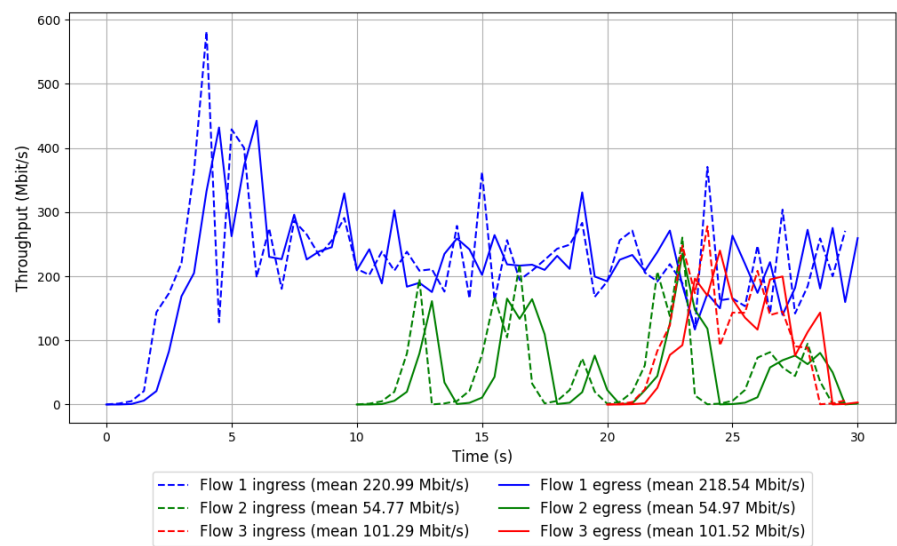


Run 3: Statistics of Verus

Start at: 2018-07-10 14:21:07
End at: 2018-07-10 14:21:37
Local clock offset: 0.033 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-07-10 20:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.78 Mbit/s
95th percentile per-packet one-way delay: 242.634 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 218.54 Mbit/s
95th percentile per-packet one-way delay: 251.470 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 227.223 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 101.52 Mbit/s
95th percentile per-packet one-way delay: 241.211 ms
Loss rate: 2.05%

Run 3: Report of Verus — Data Link

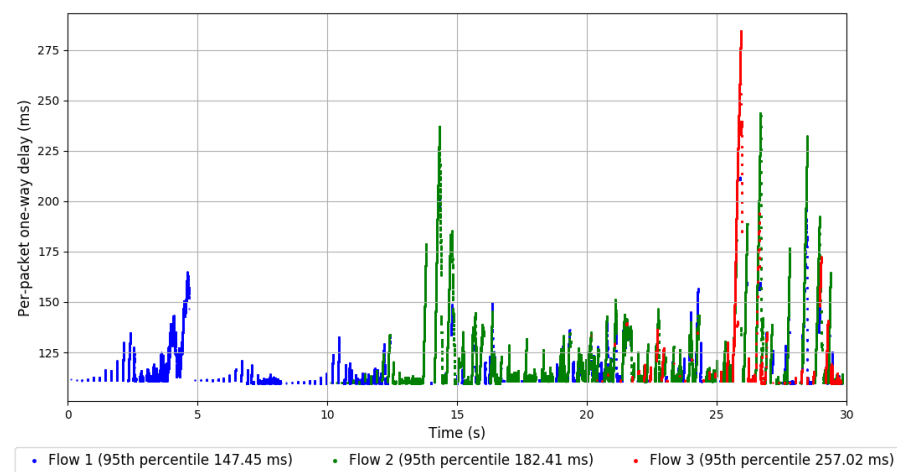
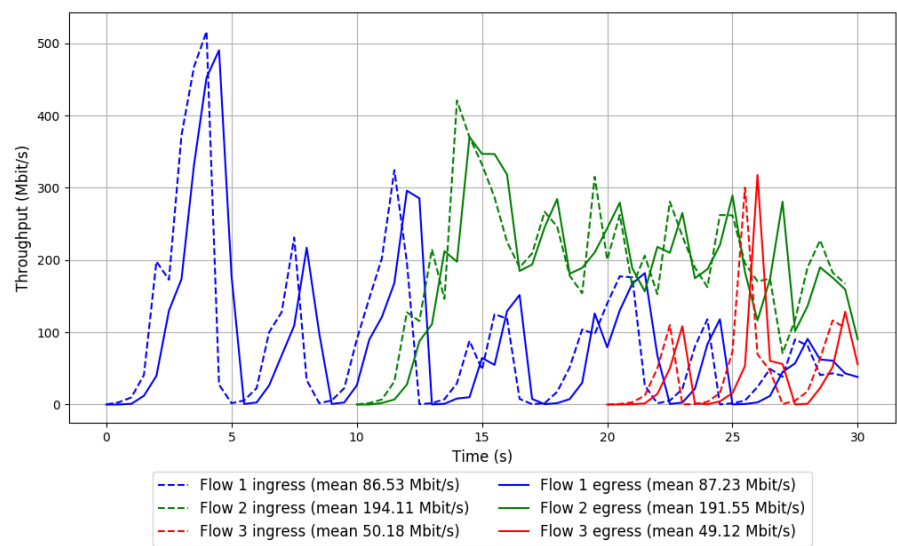


Run 4: Statistics of Verus

Start at: 2018-07-10 14:47:16
End at: 2018-07-10 14:47:46
Local clock offset: -0.104 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-10 20:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.17 Mbit/s
95th percentile per-packet one-way delay: 178.985 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 147.447 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 191.55 Mbit/s
95th percentile per-packet one-way delay: 182.408 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 257.022 ms
Loss rate: 5.28%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 15:13:38

End at: 2018-07-10 15:14:08

Local clock offset: 0.953 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-10 20:02:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.57 Mbit/s

95th percentile per-packet one-way delay: 243.661 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 233.669 ms

Loss rate: 3.28%

-- Flow 2:

Average throughput: 178.79 Mbit/s

95th percentile per-packet one-way delay: 259.975 ms

Loss rate: 3.73%

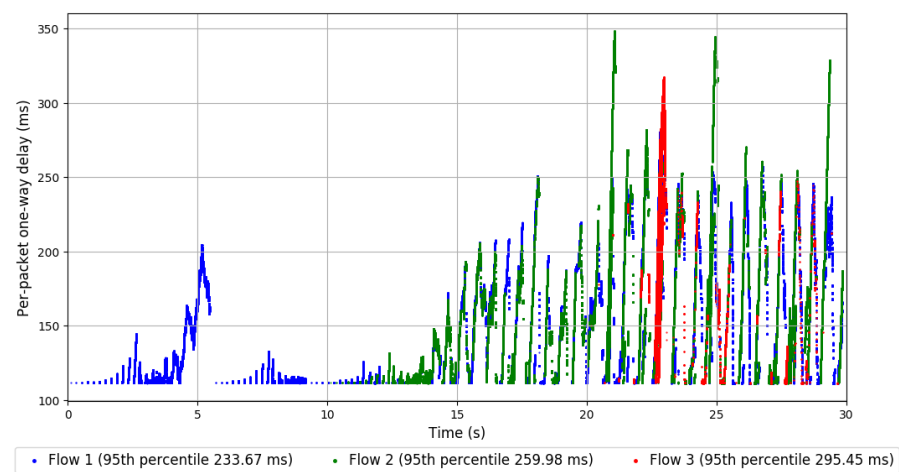
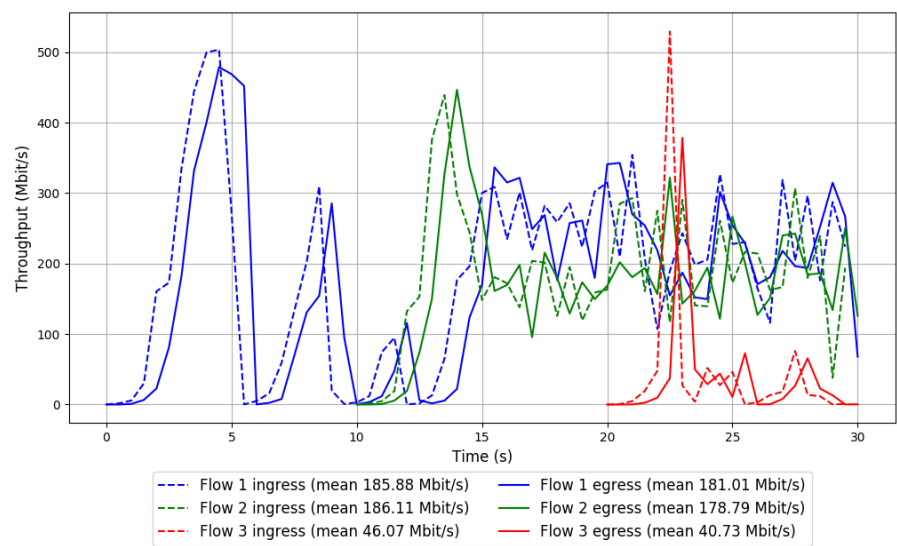
-- Flow 3:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 295.449 ms

Loss rate: 13.95%

Run 5: Report of Verus — Data Link

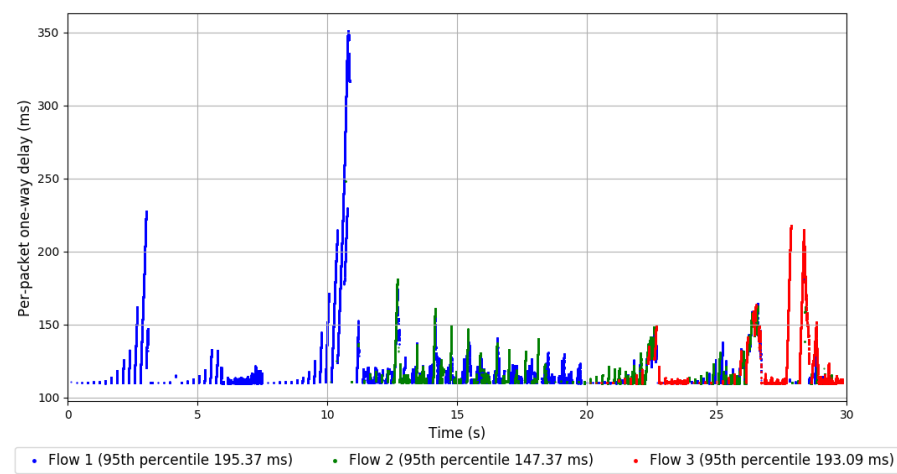
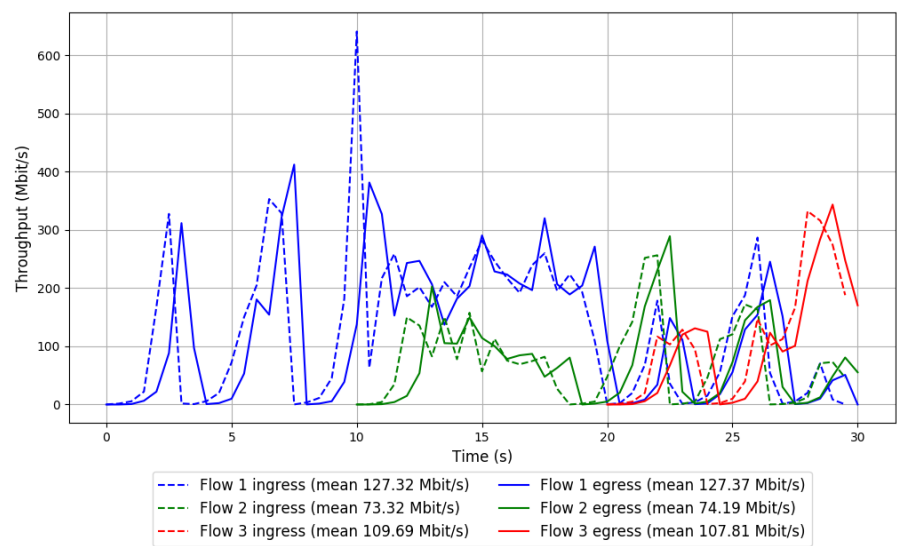


Run 6: Statistics of Verus

Start at: 2018-07-10 15:40:03
End at: 2018-07-10 15:40:33
Local clock offset: -1.394 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-07-10 20:02:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.25 Mbit/s
95th percentile per-packet one-way delay: 179.823 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 195.366 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 74.19 Mbit/s
95th percentile per-packet one-way delay: 147.371 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 107.81 Mbit/s
95th percentile per-packet one-way delay: 193.088 ms
Loss rate: 3.01%

Run 6: Report of Verus — Data Link

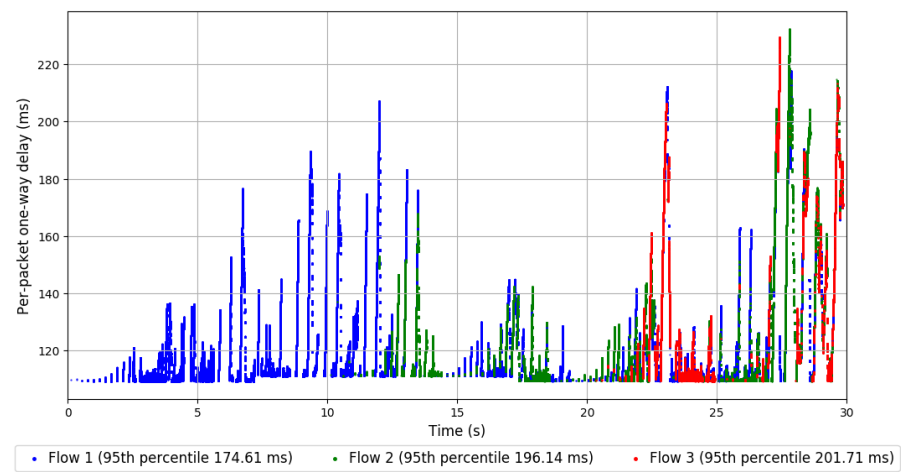
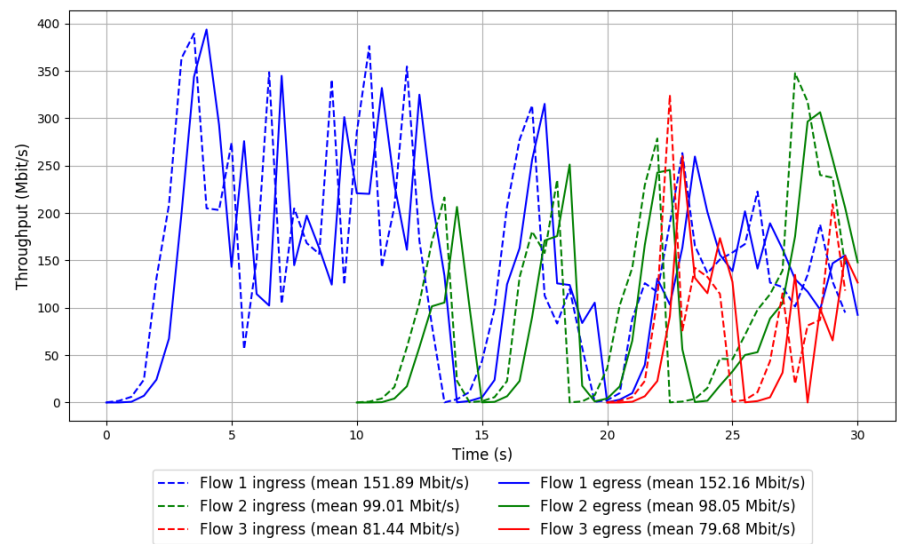


Run 7: Statistics of Verus

Start at: 2018-07-10 16:06:36
End at: 2018-07-10 16:07:06
Local clock offset: -1.395 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-10 20:02:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.21 Mbit/s
95th percentile per-packet one-way delay: 187.672 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 152.16 Mbit/s
95th percentile per-packet one-way delay: 174.606 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 98.05 Mbit/s
95th percentile per-packet one-way delay: 196.138 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 201.705 ms
Loss rate: 4.30%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-10 16:32:54

End at: 2018-07-10 16:33:24

Local clock offset: 1.285 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-07-10 20:02:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.15 Mbit/s

95th percentile per-packet one-way delay: 240.531 ms

Loss rate: 3.67%

-- Flow 1:

Average throughput: 153.57 Mbit/s

95th percentile per-packet one-way delay: 220.768 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 104.56 Mbit/s

95th percentile per-packet one-way delay: 252.861 ms

Loss rate: 5.15%

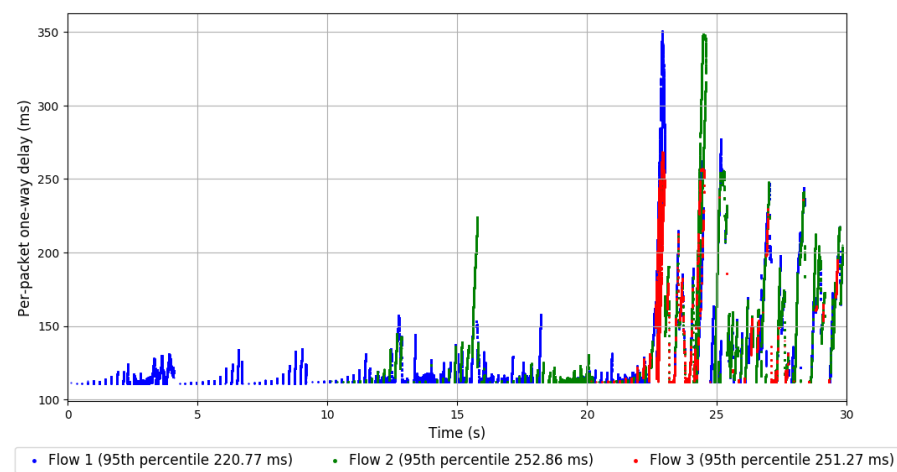
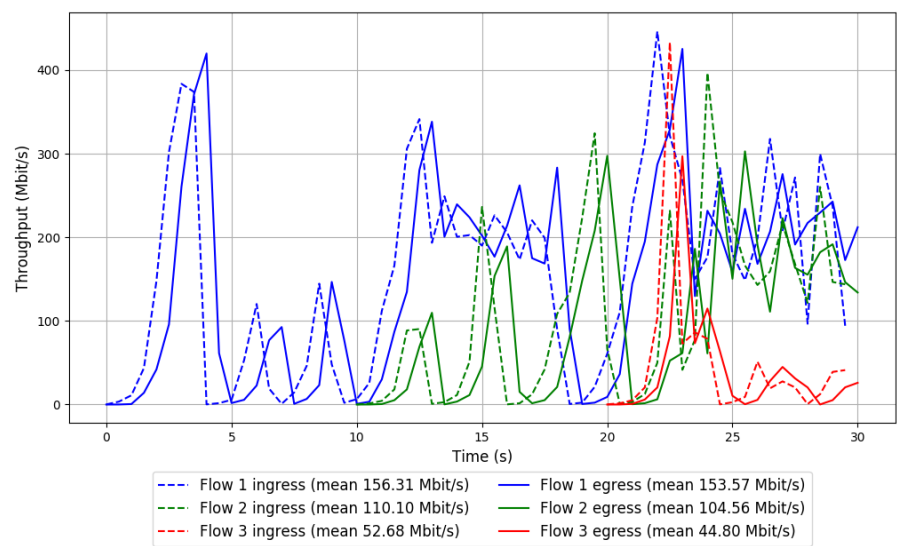
-- Flow 3:

Average throughput: 44.80 Mbit/s

95th percentile per-packet one-way delay: 251.269 ms

Loss rate: 17.06%

Run 8: Report of Verus — Data Link

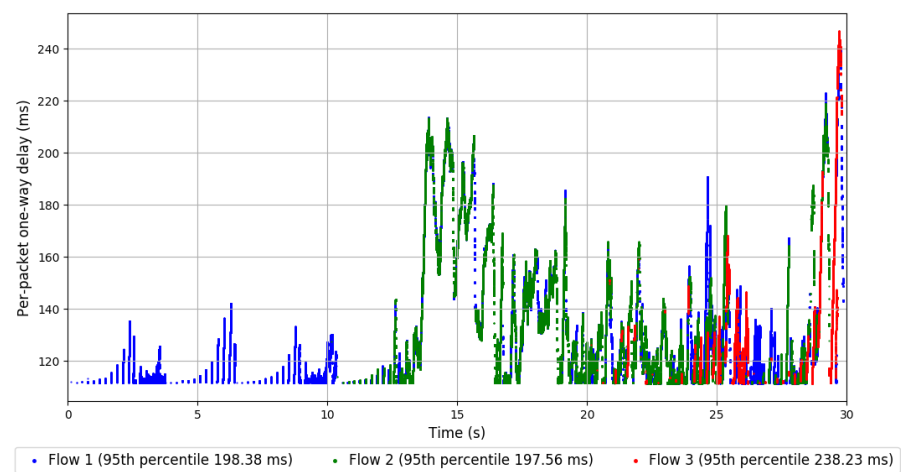
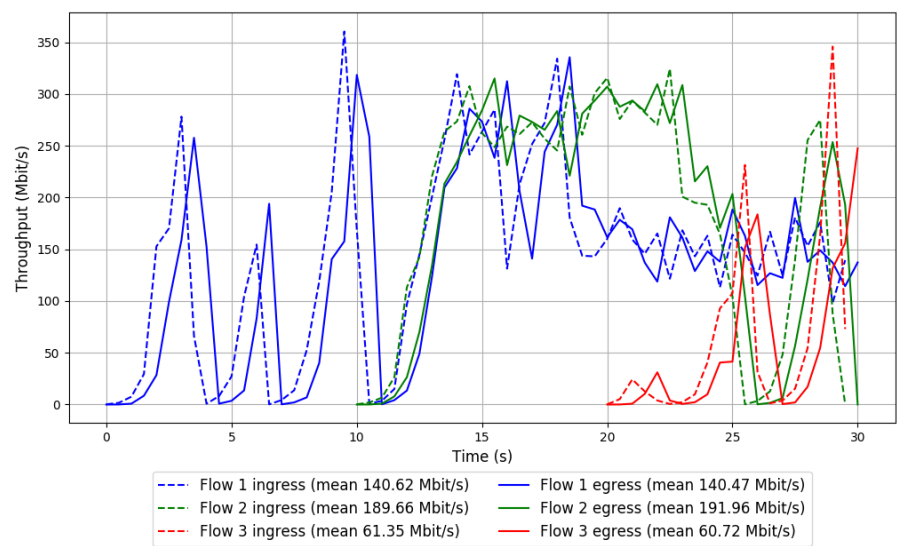


Run 9: Statistics of Verus

Start at: 2018-07-10 16:59:21
End at: 2018-07-10 16:59:51
Local clock offset: 1.247 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 20:04:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.98 Mbit/s
95th percentile per-packet one-way delay: 199.565 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 140.47 Mbit/s
95th percentile per-packet one-way delay: 198.379 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 197.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 238.230 ms
Loss rate: 3.89%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-10 17:26:07

End at: 2018-07-10 17:26:37

Local clock offset: -1.28 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-10 20:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.55 Mbit/s

95th percentile per-packet one-way delay: 239.339 ms

Loss rate: 3.80%

-- Flow 1:

Average throughput: 214.77 Mbit/s

95th percentile per-packet one-way delay: 231.695 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 198.311 ms

Loss rate: 1.54%

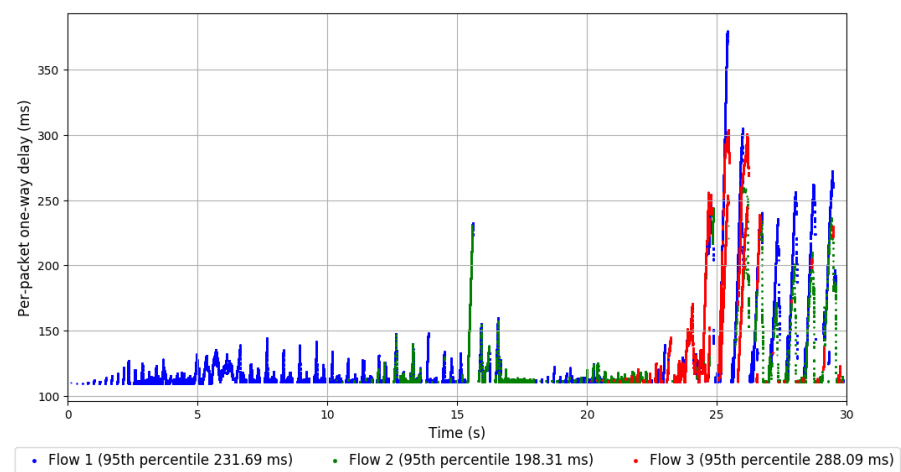
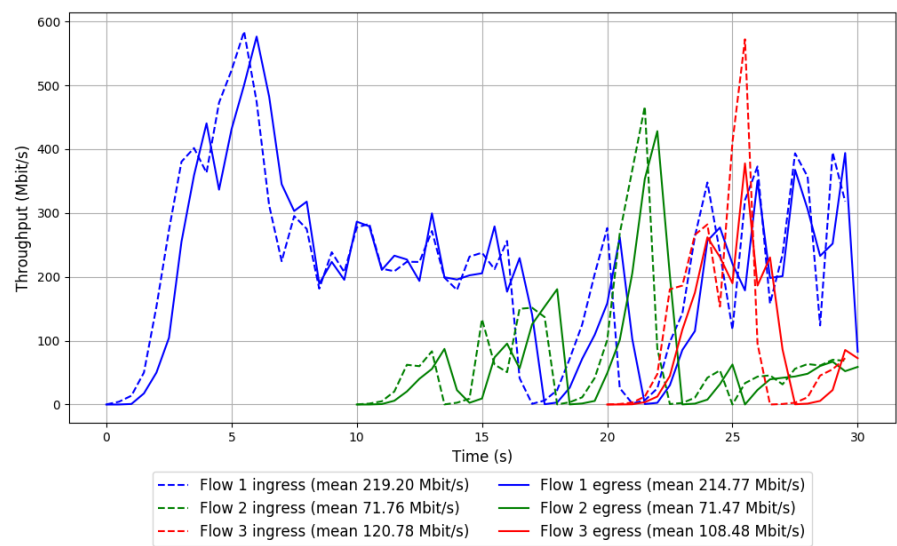
-- Flow 3:

Average throughput: 108.48 Mbit/s

95th percentile per-packet one-way delay: 288.088 ms

Loss rate: 12.24%

Run 10: Report of Verus — Data Link

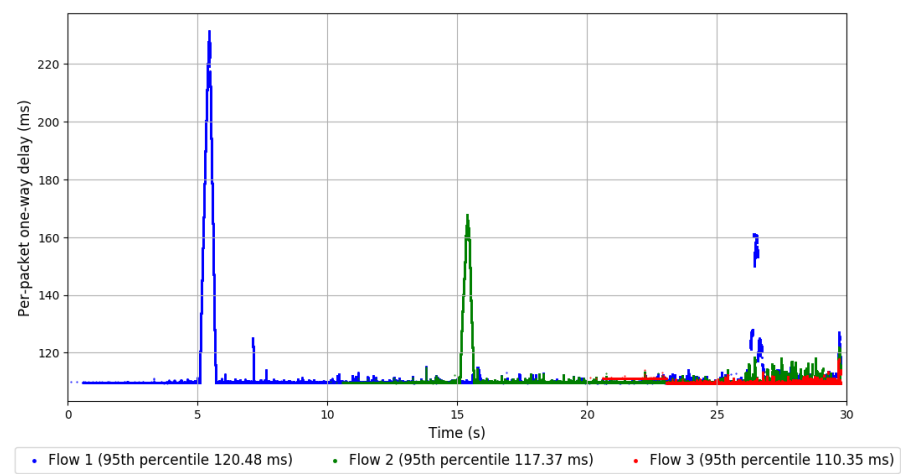
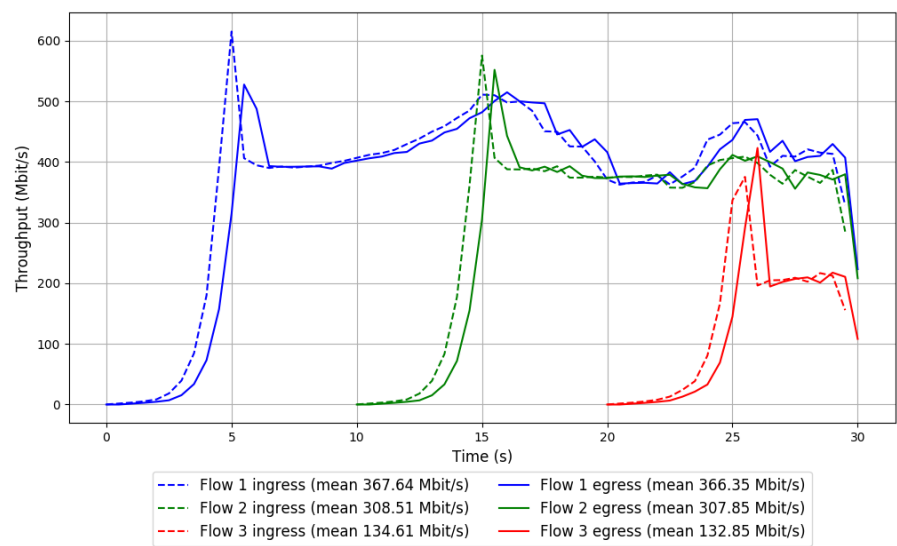


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 13:18:40
End at: 2018-07-10 13:19:10
Local clock offset: -1.426 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-10 20:11:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 613.53 Mbit/s
95th percentile per-packet one-way delay: 116.607 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 366.35 Mbit/s
95th percentile per-packet one-way delay: 120.481 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 307.85 Mbit/s
95th percentile per-packet one-way delay: 117.369 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 132.85 Mbit/s
95th percentile per-packet one-way delay: 110.354 ms
Loss rate: 3.55%

Run 1: Report of PCC-Vivace — Data Link

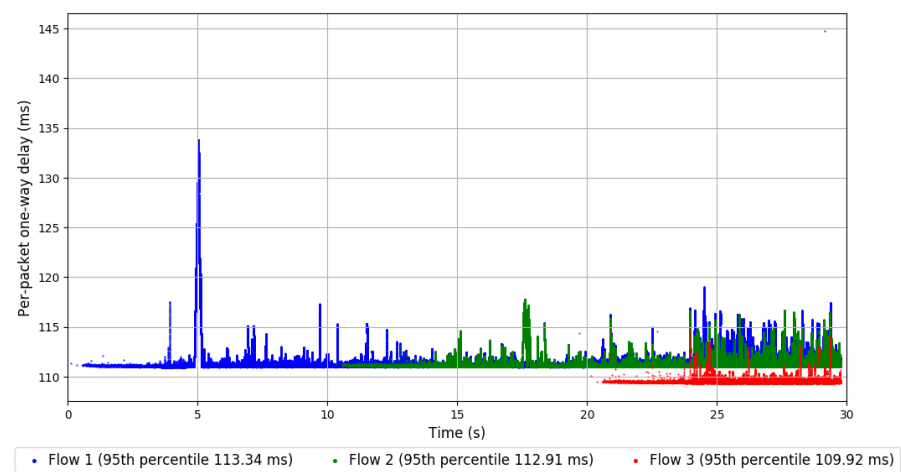
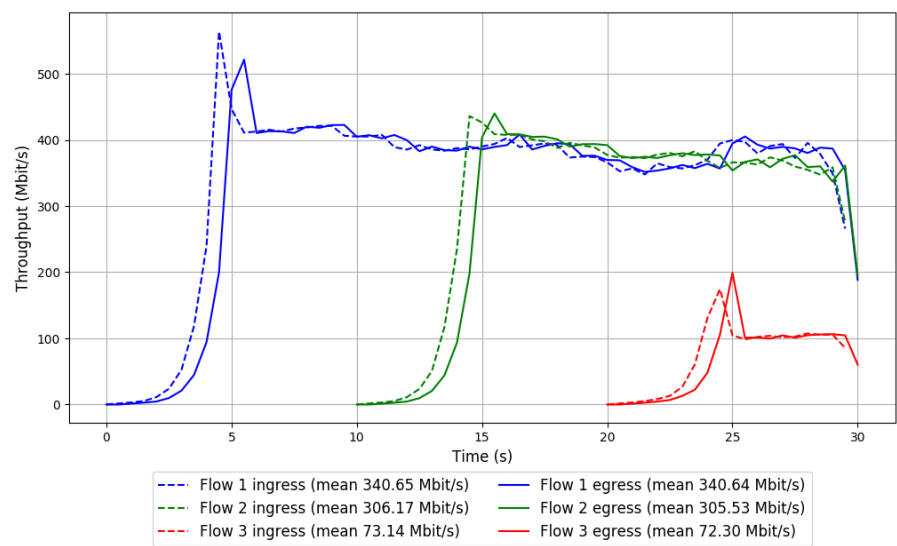


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 13:45:03
End at: 2018-07-10 13:45:33
Local clock offset: -0.049 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-10 20:11:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 566.49 Mbit/s
95th percentile per-packet one-way delay: 113.115 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 340.64 Mbit/s
95th percentile per-packet one-way delay: 113.342 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 305.53 Mbit/s
95th percentile per-packet one-way delay: 112.910 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 72.30 Mbit/s
95th percentile per-packet one-way delay: 109.917 ms
Loss rate: 3.37%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 14:11:00

End at: 2018-07-10 14:11:30

Local clock offset: 0.093 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-10 20:11:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 576.30 Mbit/s

95th percentile per-packet one-way delay: 121.154 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 342.55 Mbit/s

95th percentile per-packet one-way delay: 119.108 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 287.15 Mbit/s

95th percentile per-packet one-way delay: 156.135 ms

Loss rate: 1.18%

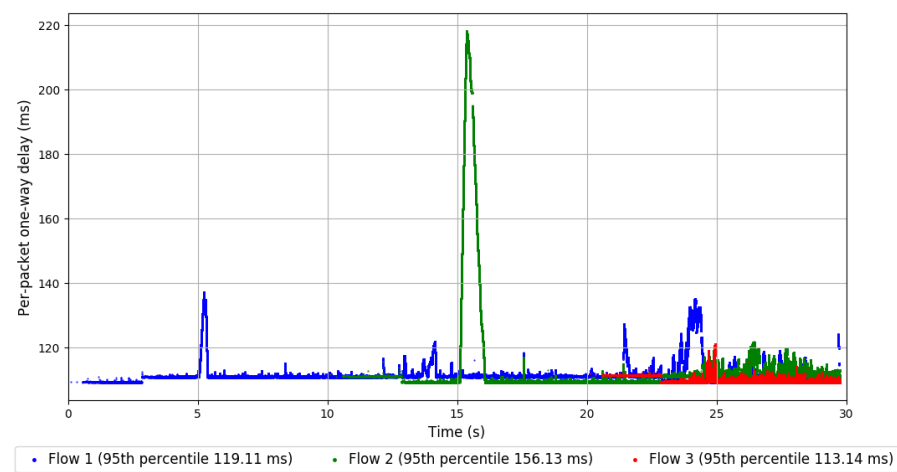
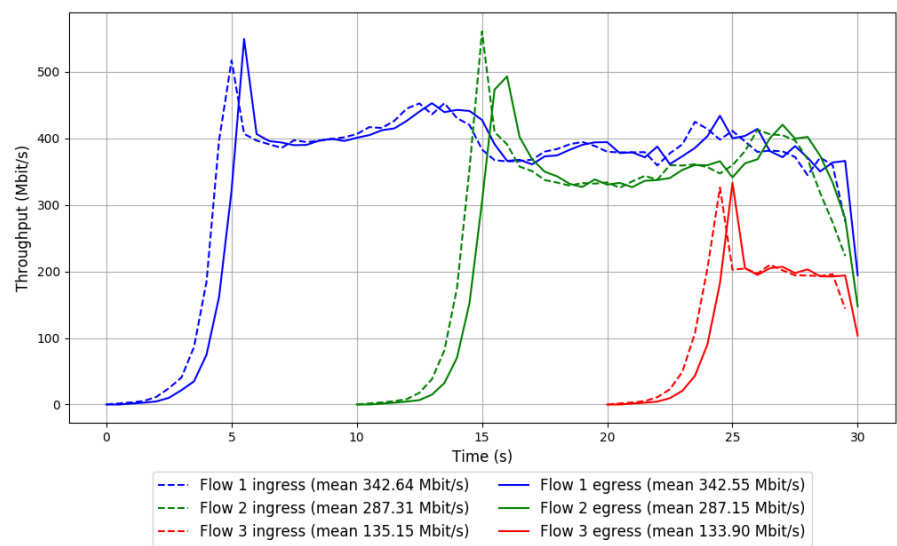
-- Flow 3:

Average throughput: 133.90 Mbit/s

95th percentile per-packet one-way delay: 113.140 ms

Loss rate: 3.17%

Run 3: Report of PCC-Vivace — Data Link

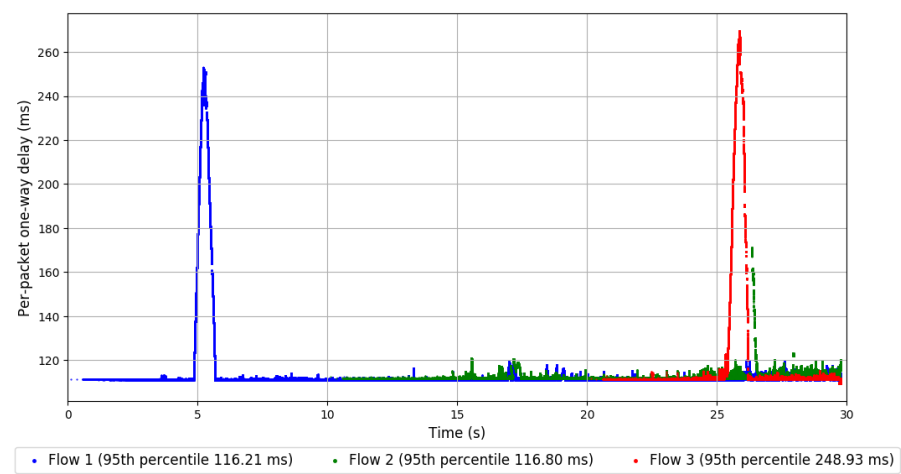
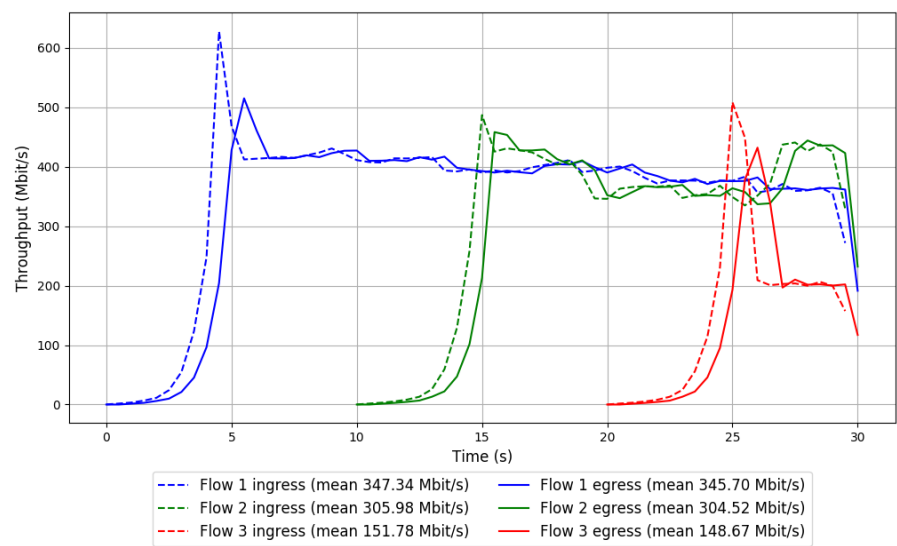


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 14:37:13
End at: 2018-07-10 14:37:43
Local clock offset: 0.083 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-10 20:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.73 Mbit/s
95th percentile per-packet one-way delay: 119.790 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 345.70 Mbit/s
95th percentile per-packet one-way delay: 116.213 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 304.52 Mbit/s
95th percentile per-packet one-way delay: 116.799 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 148.67 Mbit/s
95th percentile per-packet one-way delay: 248.925 ms
Loss rate: 4.27%

Run 4: Report of PCC-Vivace — Data Link

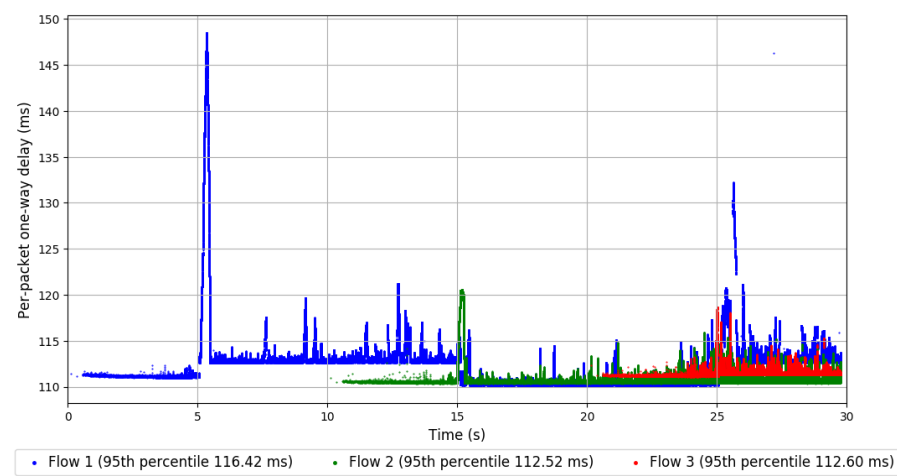
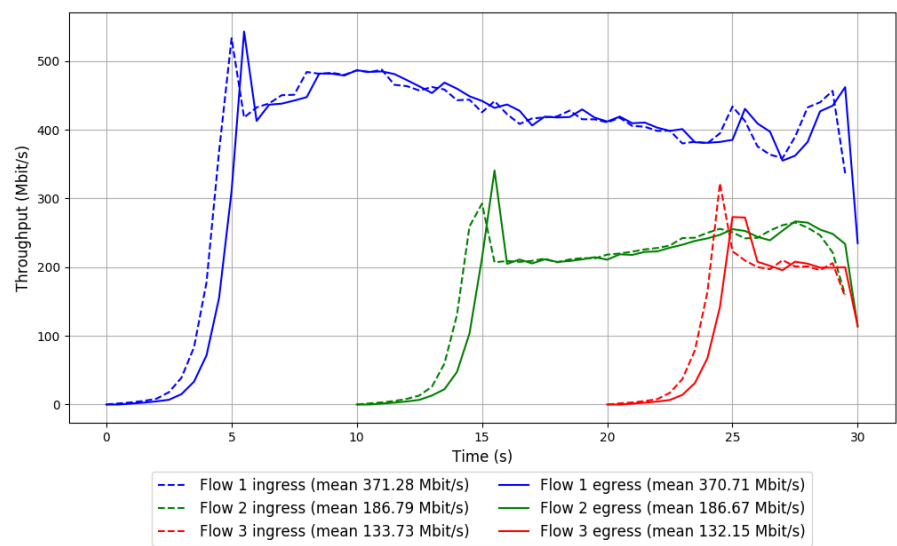


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 15:03:28
End at: 2018-07-10 15:03:58
Local clock offset: -0.116 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-10 20:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.32 Mbit/s
95th percentile per-packet one-way delay: 115.588 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 370.71 Mbit/s
95th percentile per-packet one-way delay: 116.415 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 186.67 Mbit/s
95th percentile per-packet one-way delay: 112.519 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 132.15 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 3.43%

Run 5: Report of PCC-Vivace — Data Link

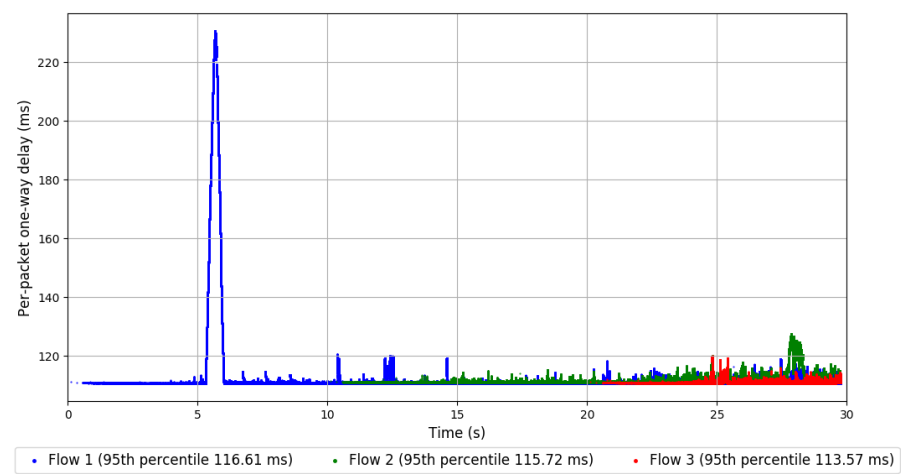
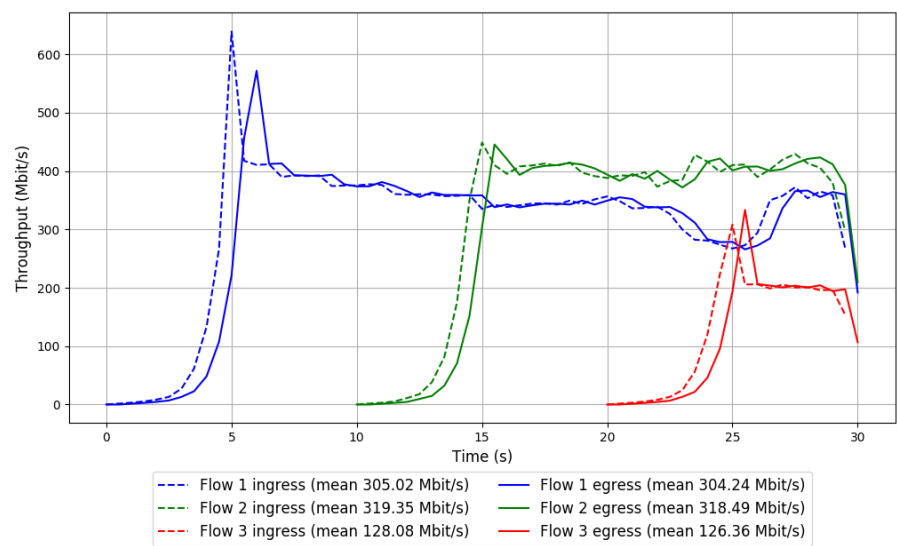


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 15:29:53
End at: 2018-07-10 15:30:23
Local clock offset: -0.273 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-10 20:12:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.32 Mbit/s
95th percentile per-packet one-way delay: 115.618 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 304.24 Mbit/s
95th percentile per-packet one-way delay: 116.608 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 318.49 Mbit/s
95th percentile per-packet one-way delay: 115.723 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 126.36 Mbit/s
95th percentile per-packet one-way delay: 113.566 ms
Loss rate: 3.61%

Run 6: Report of PCC-Vivace — Data Link

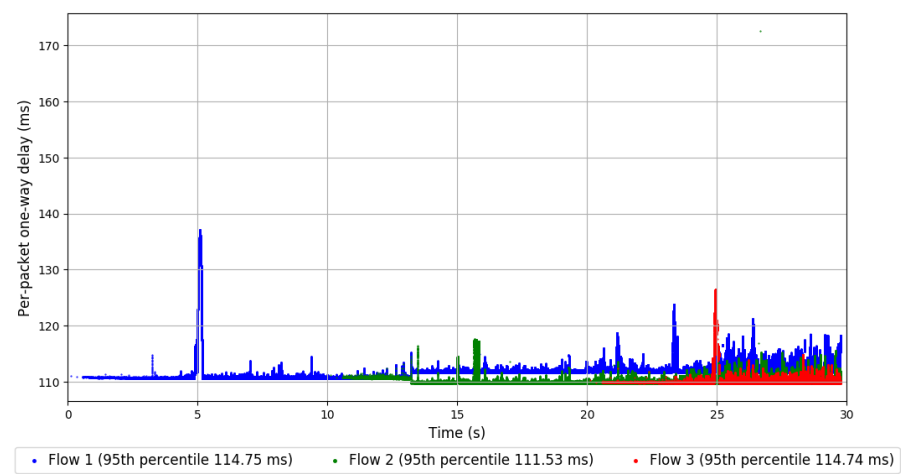
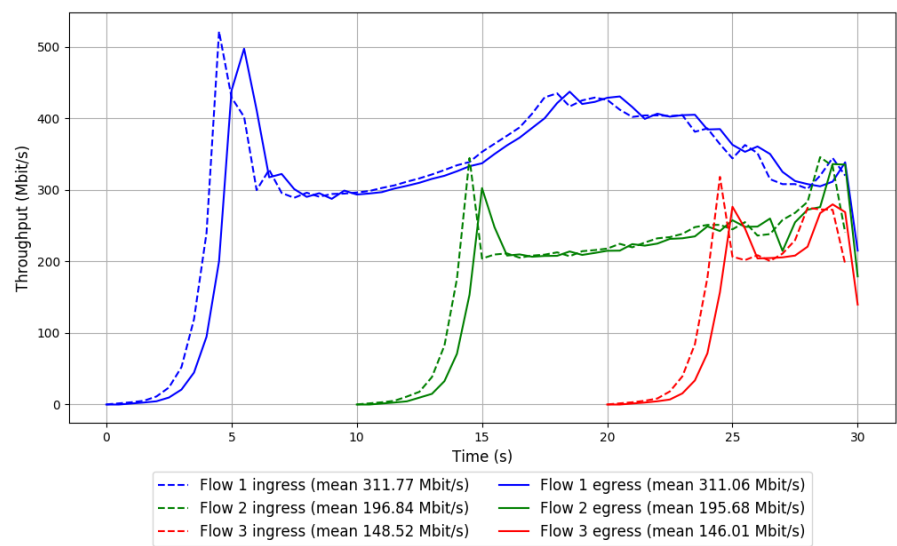


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 15:56:30
End at: 2018-07-10 15:57:00
Local clock offset: -0.474 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-10 20:13:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 488.15 Mbit/s
95th percentile per-packet one-way delay: 114.036 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 311.06 Mbit/s
95th percentile per-packet one-way delay: 114.752 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 195.68 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 146.01 Mbit/s
95th percentile per-packet one-way delay: 114.740 ms
Loss rate: 3.94%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 16:22:46

End at: 2018-07-10 16:23:16

Local clock offset: 1.212 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-07-10 20:13:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 559.69 Mbit/s

95th percentile per-packet one-way delay: 116.885 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 317.82 Mbit/s

95th percentile per-packet one-way delay: 114.698 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 304.80 Mbit/s

95th percentile per-packet one-way delay: 143.169 ms

Loss rate: 1.21%

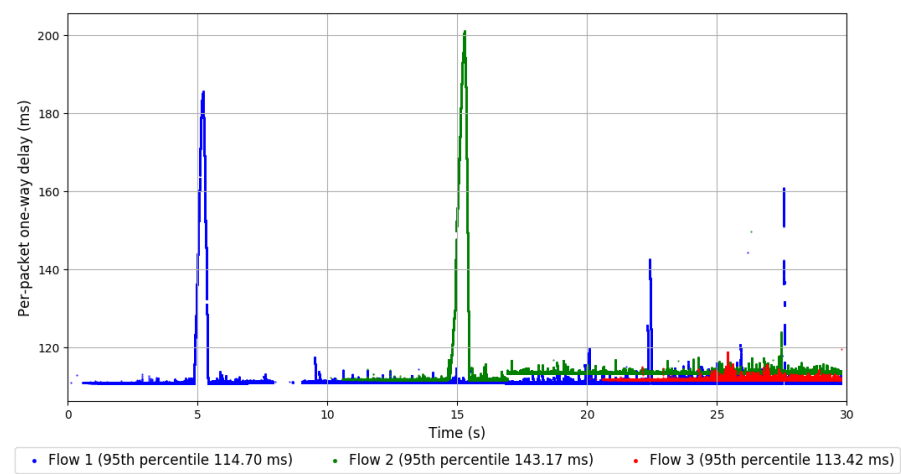
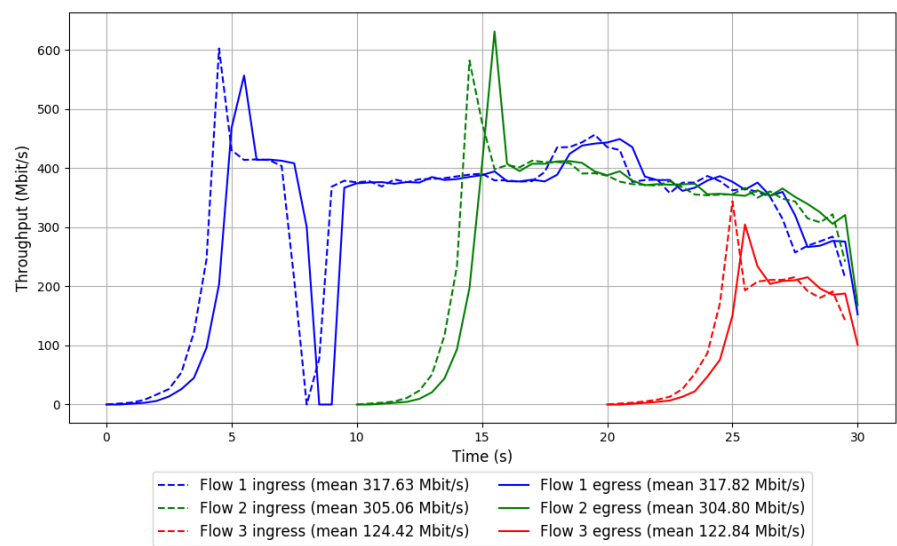
-- Flow 3:

Average throughput: 122.84 Mbit/s

95th percentile per-packet one-way delay: 113.423 ms

Loss rate: 3.43%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 16:49:19

End at: 2018-07-10 16:49:49

Local clock offset: -0.116 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-07-10 20:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.82 Mbit/s

95th percentile per-packet one-way delay: 118.053 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 283.81 Mbit/s

95th percentile per-packet one-way delay: 117.966 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 186.69 Mbit/s

95th percentile per-packet one-way delay: 126.625 ms

Loss rate: 1.00%

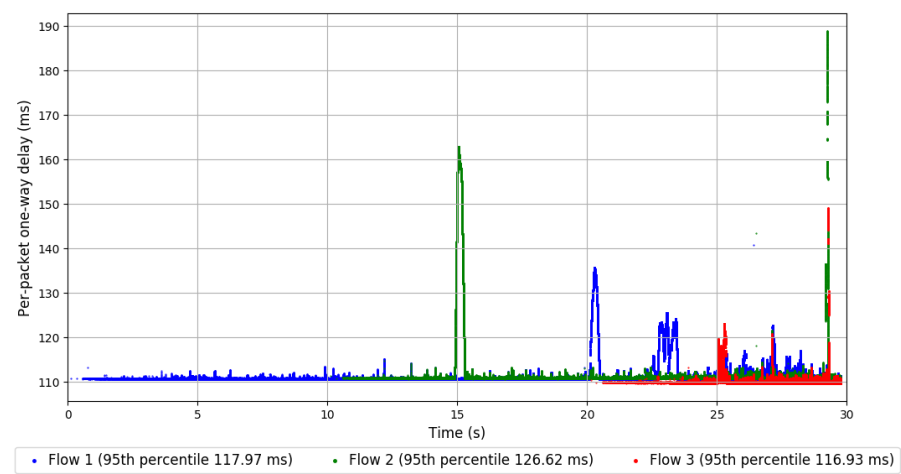
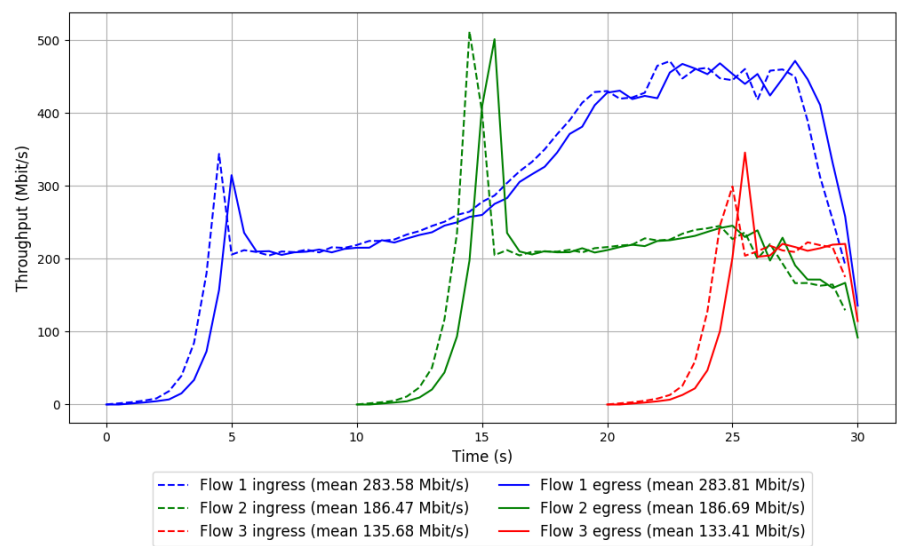
-- Flow 3:

Average throughput: 133.41 Mbit/s

95th percentile per-packet one-way delay: 116.930 ms

Loss rate: 3.89%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 17:15:58

End at: 2018-07-10 17:16:28

Local clock offset: 0.313 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-07-10 20:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.11 Mbit/s

95th percentile per-packet one-way delay: 113.871 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 352.18 Mbit/s

95th percentile per-packet one-way delay: 117.274 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 113.263 ms

Loss rate: 0.71%

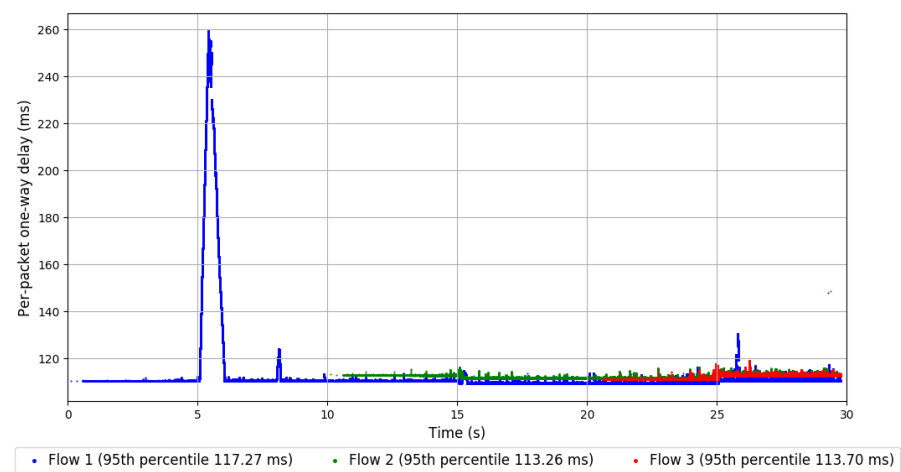
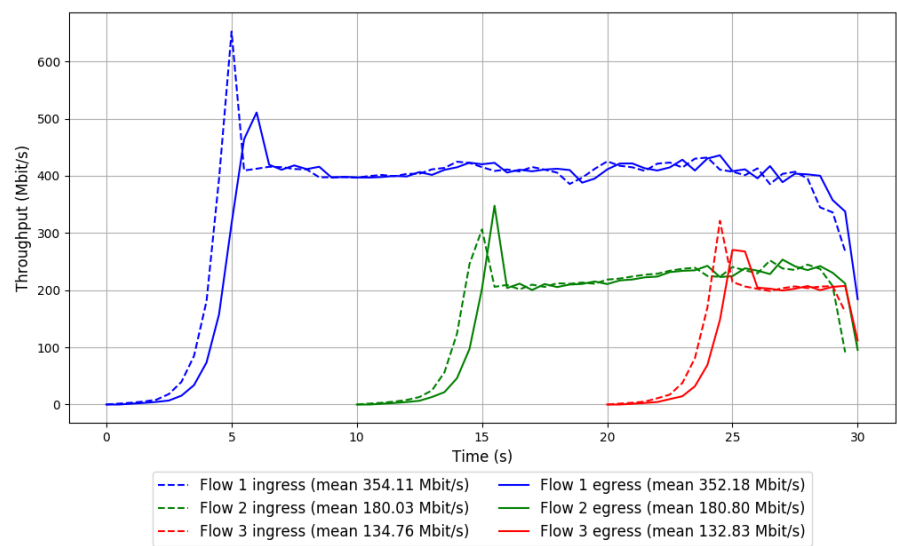
-- Flow 3:

Average throughput: 132.83 Mbit/s

95th percentile per-packet one-way delay: 113.702 ms

Loss rate: 3.66%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-10 13:09:03

End at: 2018-07-10 13:09:33

Local clock offset: -0.07 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-07-10 20:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 114.516 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 114.554 ms

Loss rate: 1.61%

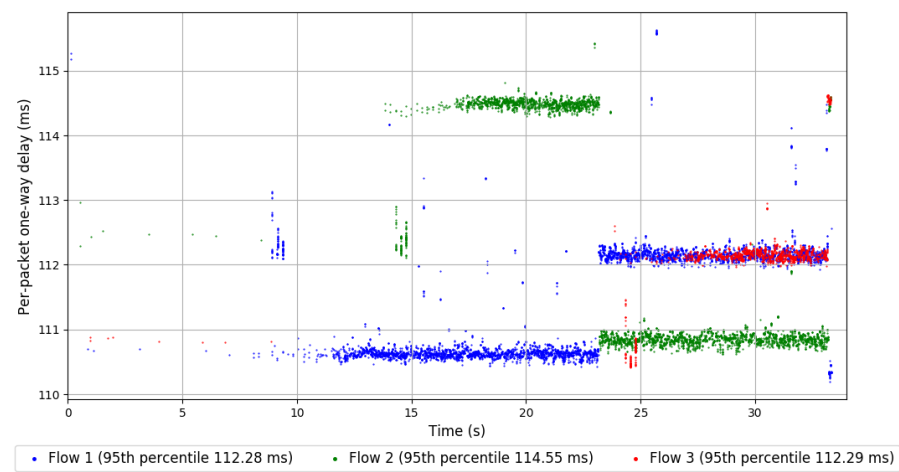
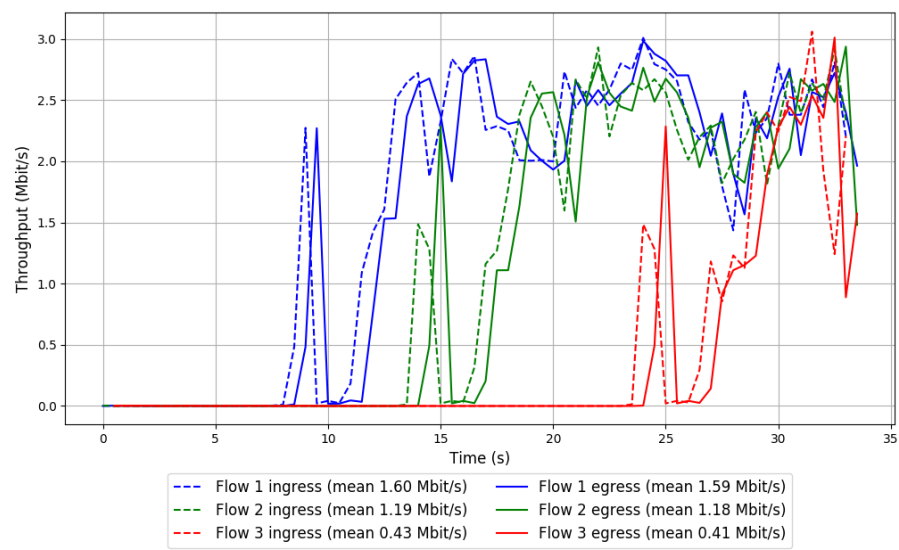
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 112.294 ms

Loss rate: 4.32%

Run 1: Report of WebRTC media — Data Link

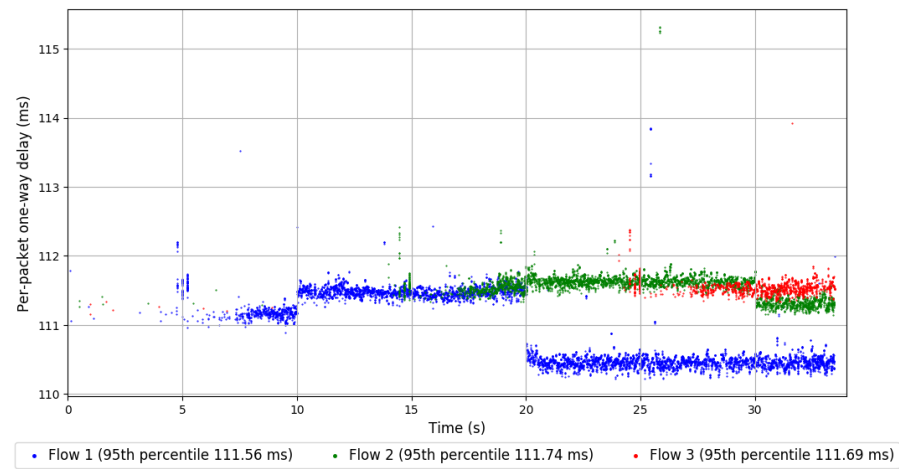
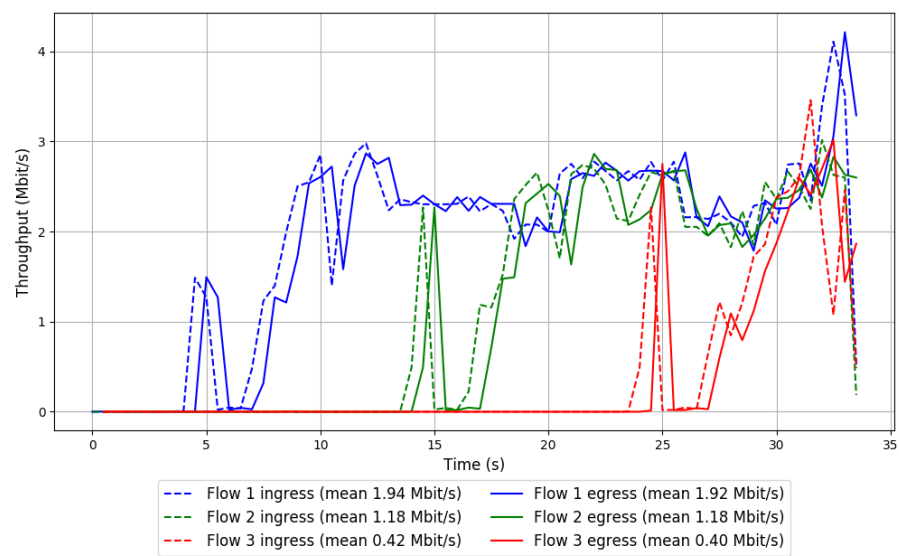


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 13:35:17
End at: 2018-07-10 13:35:47
Local clock offset: -0.057 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-10 20:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 111.692 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.563 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 111.741 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.690 ms
Loss rate: 4.41%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-10 14:01:58

End at: 2018-07-10 14:02:28

Local clock offset: -0.074 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-10 20:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 112.631 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 112.662 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 111.289 ms

Loss rate: 1.88%

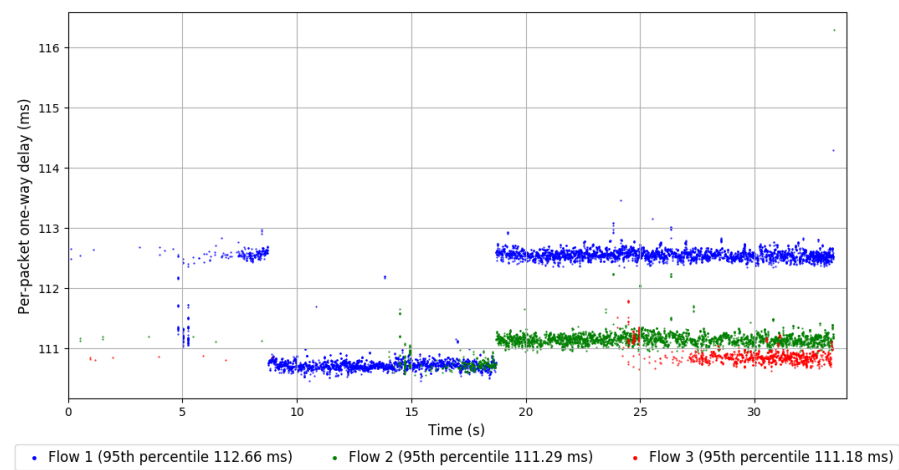
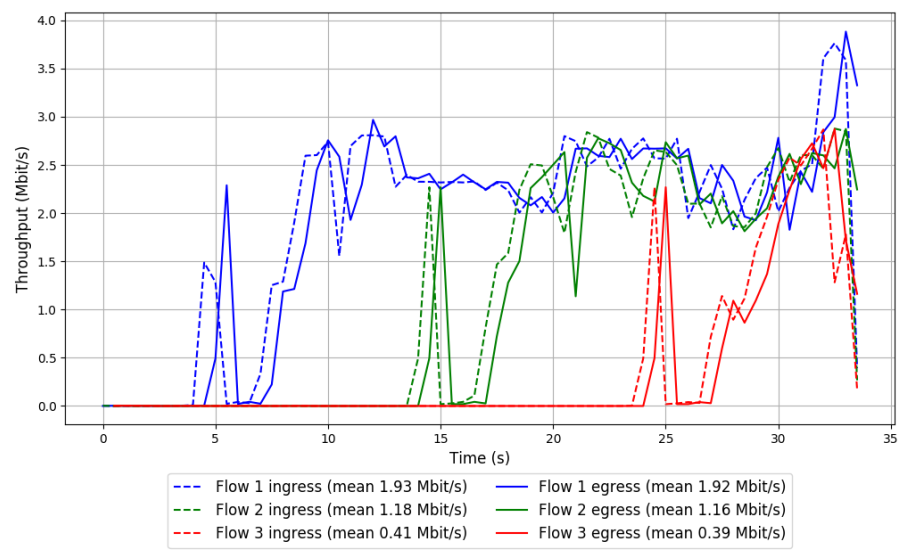
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 111.182 ms

Loss rate: 3.86%

Run 3: Report of WebRTC media — Data Link

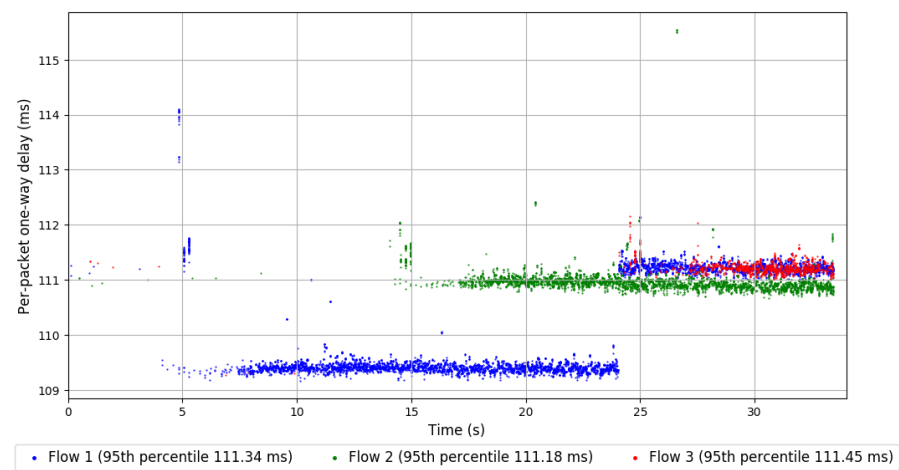
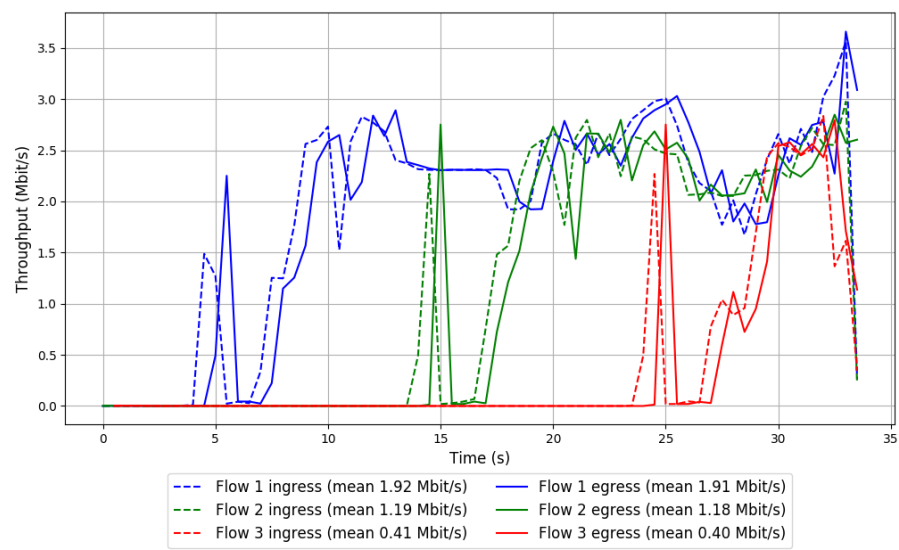


Run 4: Statistics of WebRTC media

Start at: 2018-07-10 14:27:53
End at: 2018-07-10 14:28:23
Local clock offset: -0.345 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-10 20:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 111.346 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.336 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 111.184 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.455 ms
Loss rate: 3.79%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 14:53:44

End at: 2018-07-10 14:54:14

Local clock offset: -1.282 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-07-10 20:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 111.329 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 111.293 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.361 ms

Loss rate: 1.75%

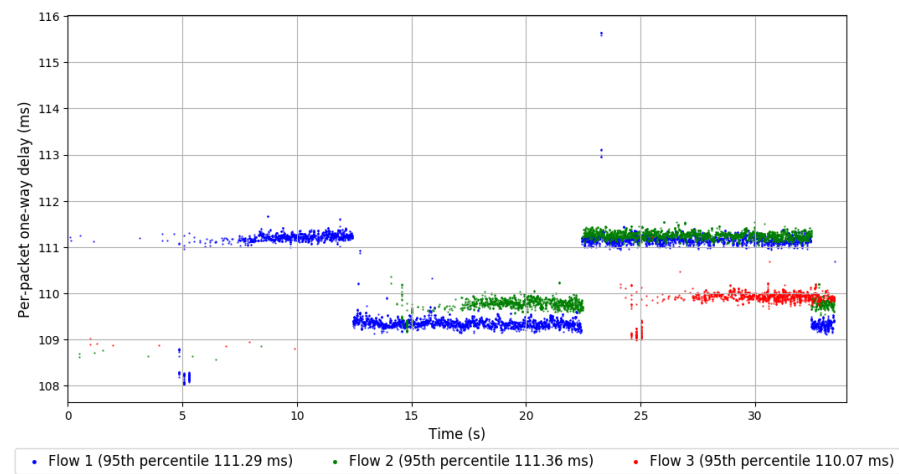
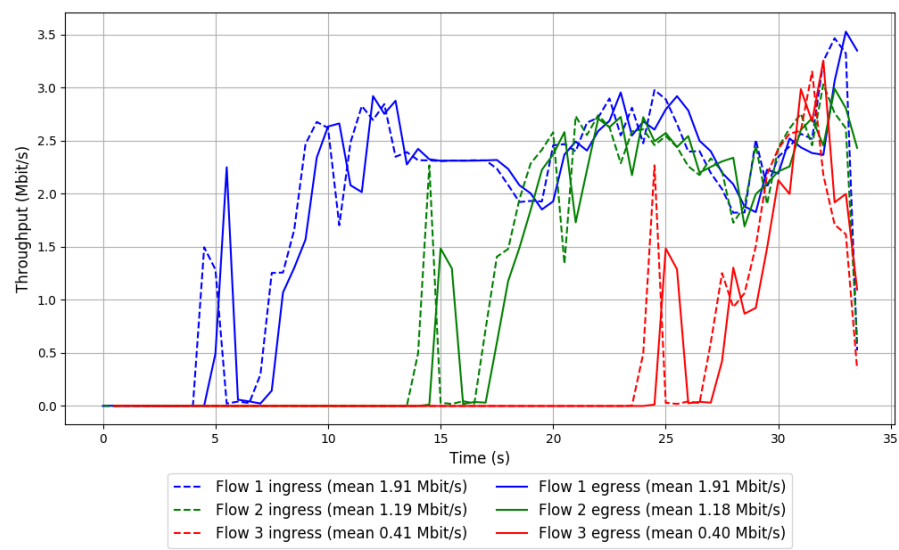
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 110.068 ms

Loss rate: 3.89%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-10 15:20:07

End at: 2018-07-10 15:20:37

Local clock offset: -0.026 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-10 20:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 111.423 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 110.887 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 111.494 ms

Loss rate: 1.30%

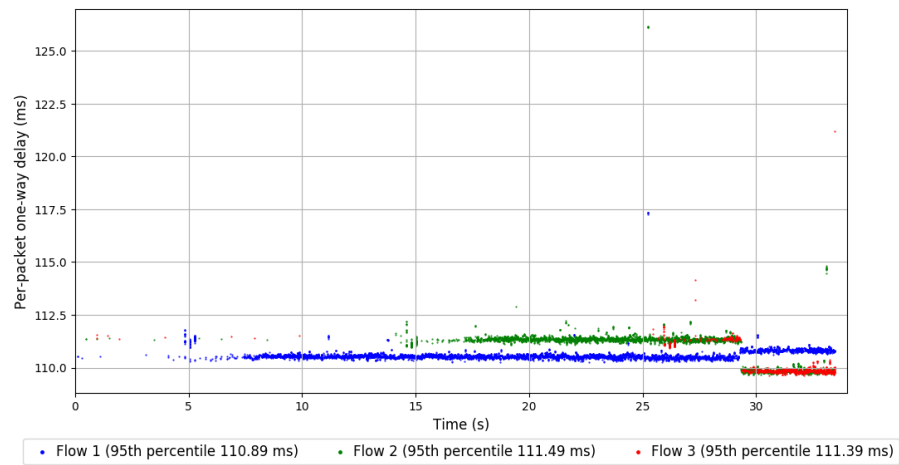
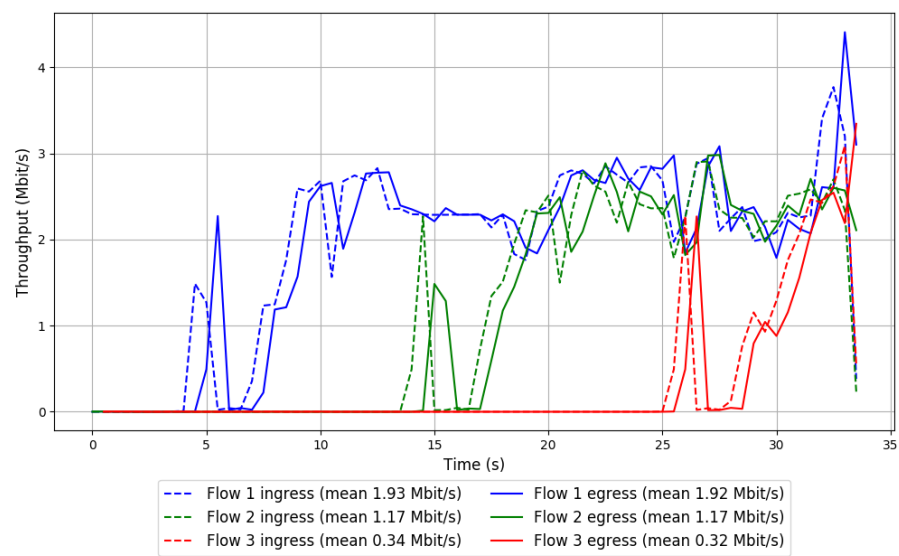
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 111.393 ms

Loss rate: 5.28%

Run 6: Report of WebRTC media — Data Link

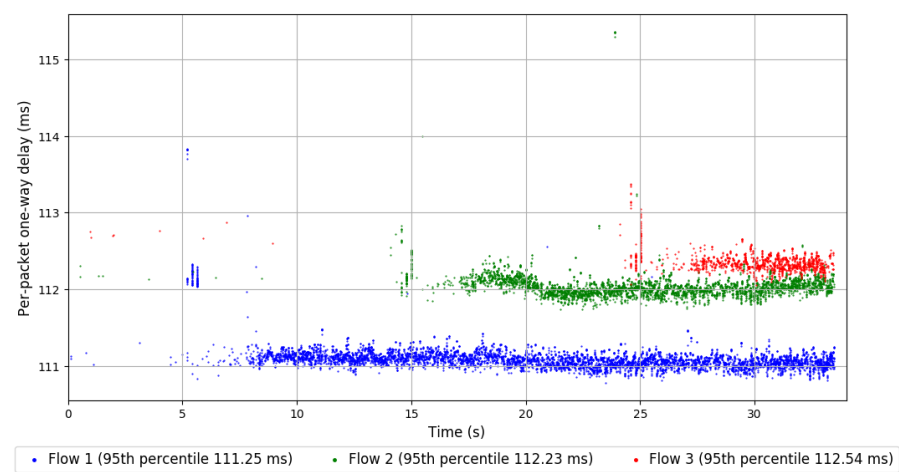
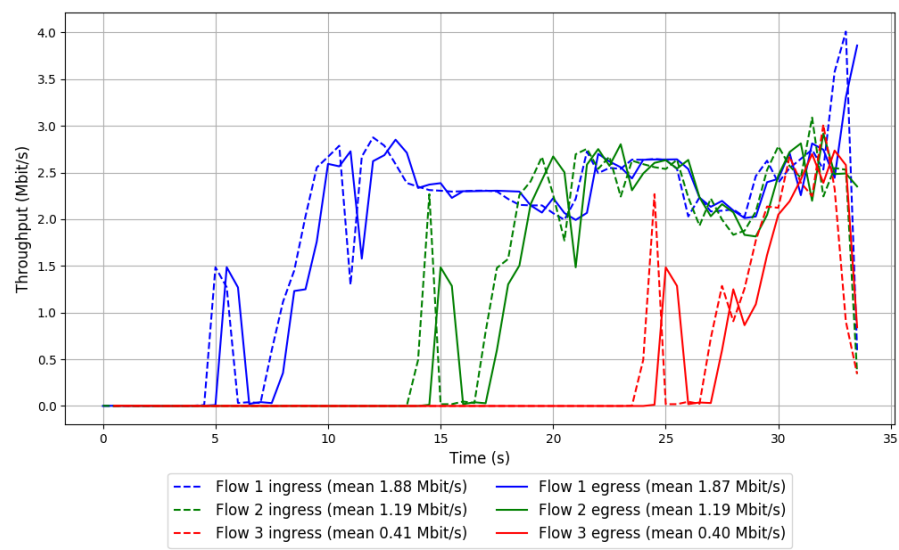


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 15:46:46
End at: 2018-07-10 15:47:16
Local clock offset: 1.15 ms
Remote clock offset: -0.441 ms

```
# Below is generated by plot.py at 2018-07-10 20:14:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 112.371 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 112.226 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.542 ms
Loss rate: 2.88%
```

Run 7: Report of WebRTC media — Data Link

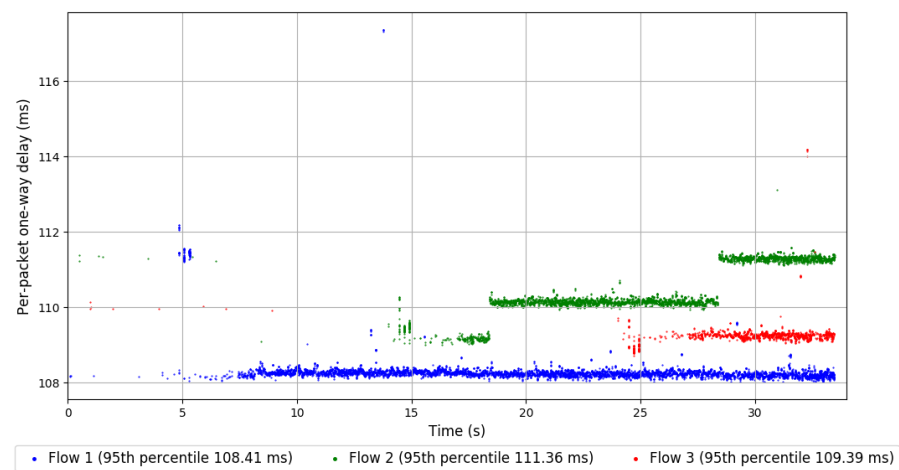
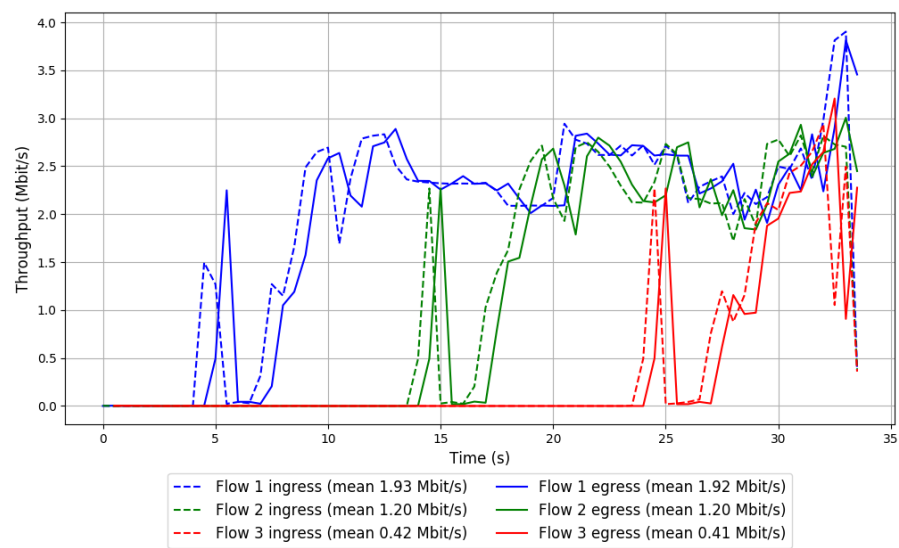


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 16:13:08
End at: 2018-07-10 16:13:38
Local clock offset: -1.241 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-10 20:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 111.317 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 108.409 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 111.356 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 109.391 ms
Loss rate: 3.59%

Run 8: Report of WebRTC media — Data Link

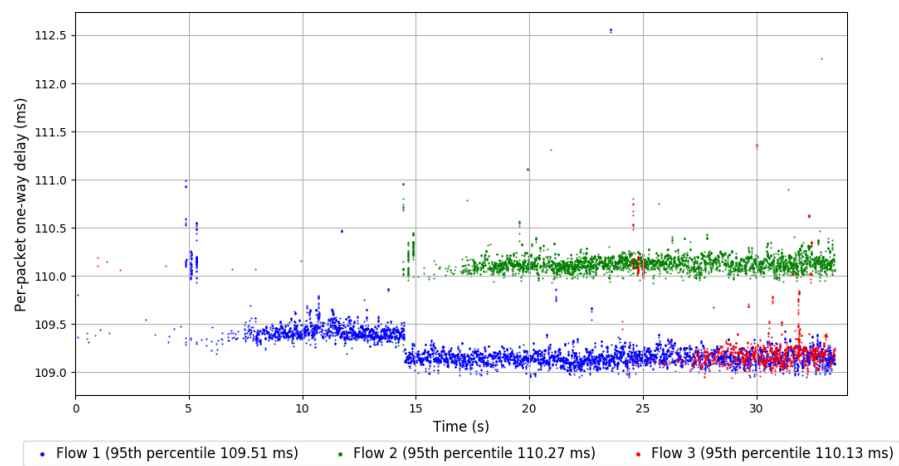
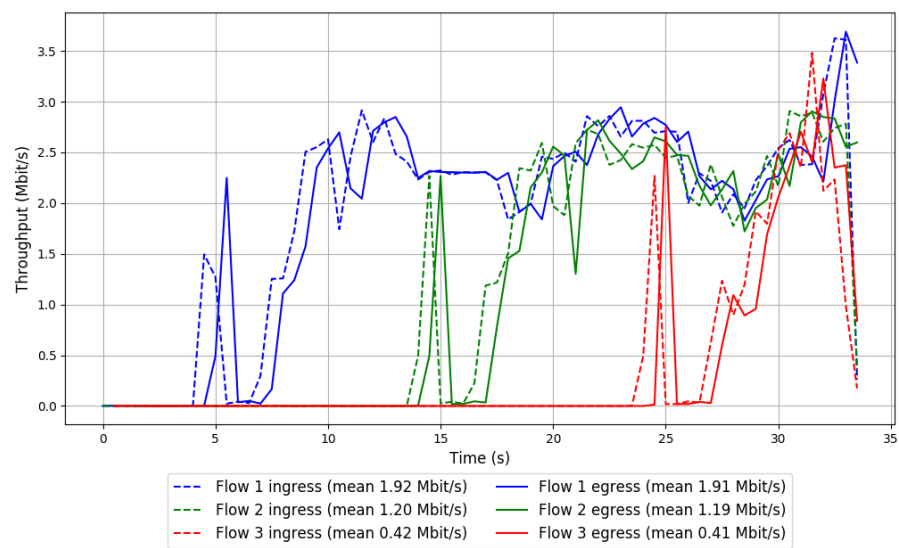


Run 9: Statistics of WebRTC media

Start at: 2018-07-10 16:39:32
End at: 2018-07-10 16:40:02
Local clock offset: -1.392 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-07-10 20:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 110.213 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 109.506 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 110.274 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 110.127 ms
Loss rate: 2.52%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 17:06:07
End at: 2018-07-10 17:06:37
Local clock offset: 0.119 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-10 20:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 111.679 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 111.394 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 110.860 ms
Loss rate: 2.99%

Run 10: Report of WebRTC media — Data Link

