

Pantheon Report

Generated at 2018-08-02 00:45:28 (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.

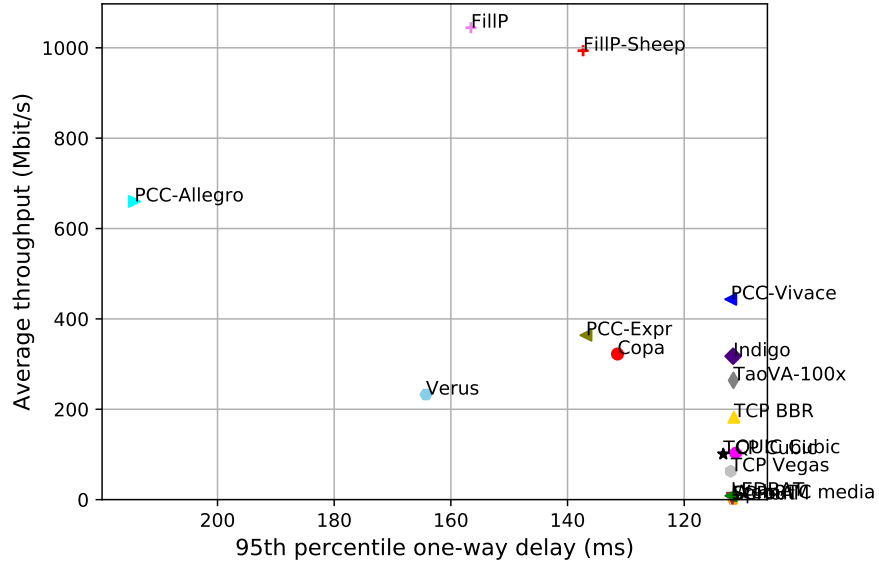
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

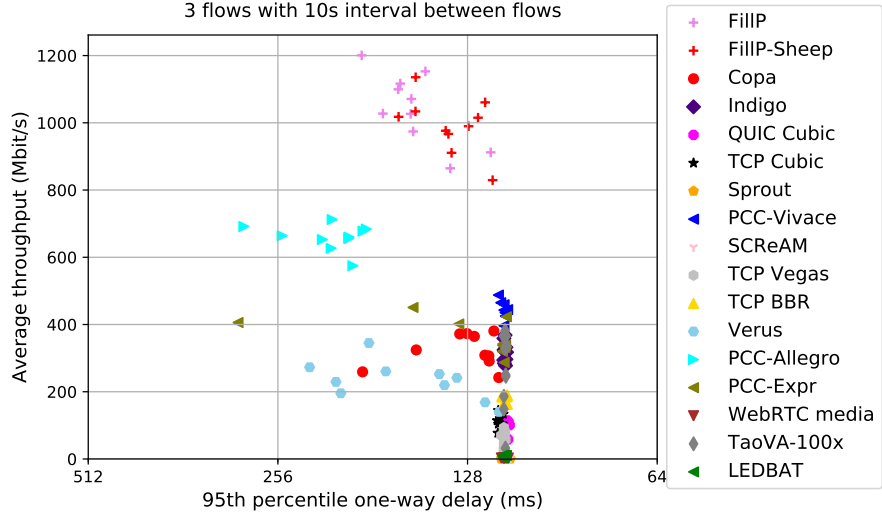
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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



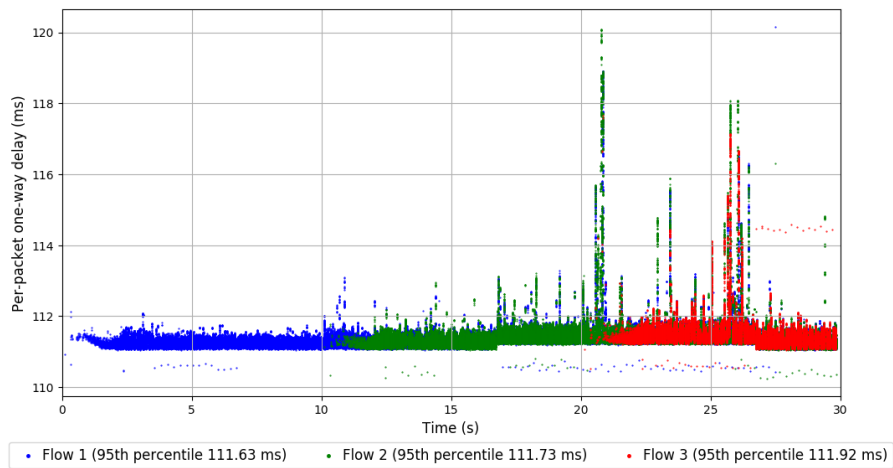
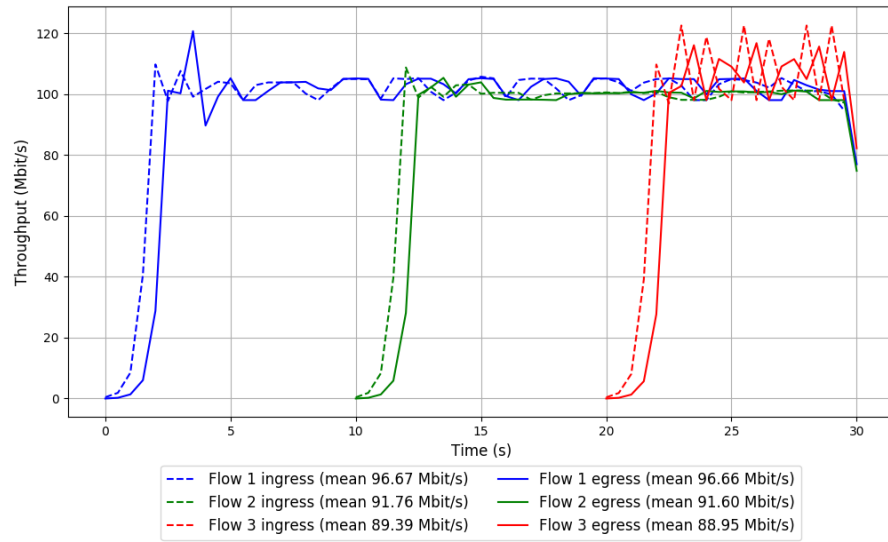
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	94.40	91.14	84.87	111.42	111.52	111.45	0.80	1.08	2.69
Copa	10	174.42	168.23	111.07	117.29	132.07	128.04	0.83	1.07	3.05
TCP Cubic	10	58.89	47.40	32.25	113.59	112.85	112.85	0.72	1.93	4.80
FillP	10	600.52	476.91	391.82	164.82	130.54	126.52	1.68	1.34	2.78
FillP-Sheep	10	577.13	460.75	341.40	140.53	127.36	117.78	0.53	0.83	2.36
Indigo	10	162.31	167.24	135.96	111.45	111.64	112.04	0.76	1.14	2.80
LEDBAT	10	5.73	3.45	1.73	111.94	112.07	111.78	1.54	2.61	4.91
PCC-Allegro	10	507.71	193.85	73.74	220.13	180.05	178.02	2.66	2.50	3.38
PCC-Expr	10	215.02	173.47	104.46	139.17	119.71	119.09	1.50	1.27	2.79
QUIC Cubic	10	55.22	52.98	38.00	110.81	110.78	110.88	0.86	0.74	2.66
SCReAM	10	0.22	0.21	0.21	111.76	111.59	111.50	0.75	1.18	1.96
Sprout	10	0.19	0.24	0.29	111.36	111.48	111.49	0.74	0.97	1.72
TaoVA-100x	10	130.58	152.30	99.41	111.39	111.70	111.87	0.77	1.53	2.36
TCP Vegas	10	32.59	33.22	24.86	111.95	111.92	112.31	0.78	1.41	3.28
Verus	10	135.21	108.88	81.62	139.28	168.81	155.76	0.79	1.31	1.95
PCC-Vivace	10	278.53	191.99	116.11	112.61	111.50	111.44	0.68	1.37	3.50
WebRTC media	10	1.72	1.01	0.36	111.25	111.38	111.18	0.84	1.49	4.01

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 17:59:20
End at: 2018-08-01 17:59:50
Local clock offset: -0.101 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-08-01 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.43 Mbit/s
95th percentile per-packet one-way delay: 111.708 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 111.727 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 111.925 ms
Loss rate: 2.76%

Run 1: Report of TCP BBR — Data Link

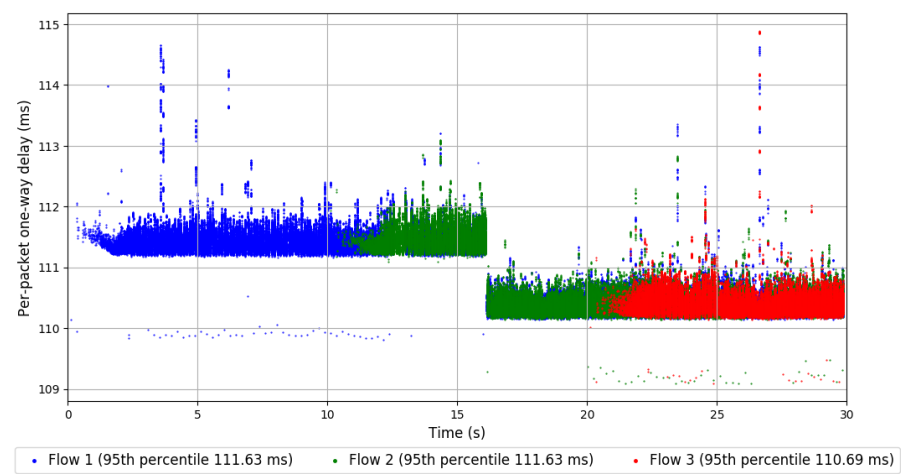
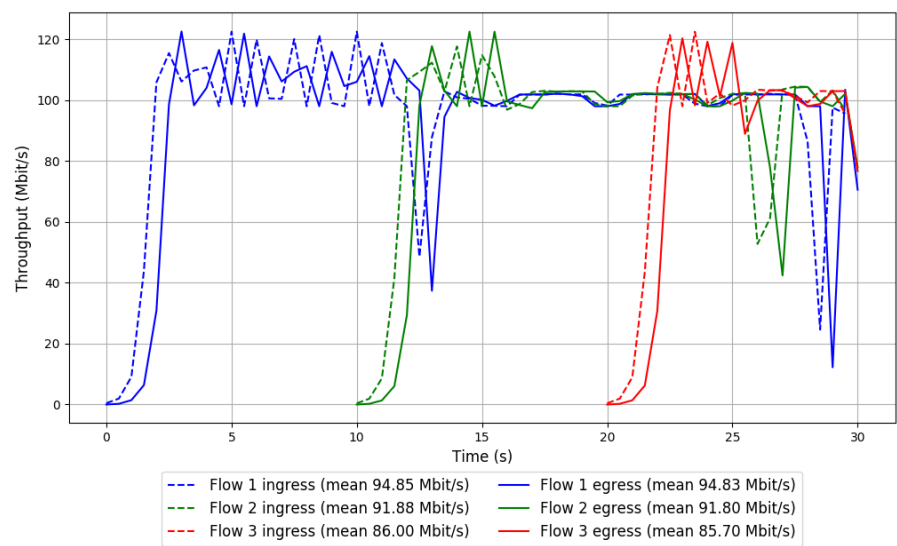


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 18:25:31
End at: 2018-08-01 18:26:01
Local clock offset: -0.259 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-01 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.78 Mbit/s
95th percentile per-packet one-way delay: 111.607 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 111.631 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 111.628 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 110.690 ms
Loss rate: 2.56%

Run 2: Report of TCP BBR — Data Link

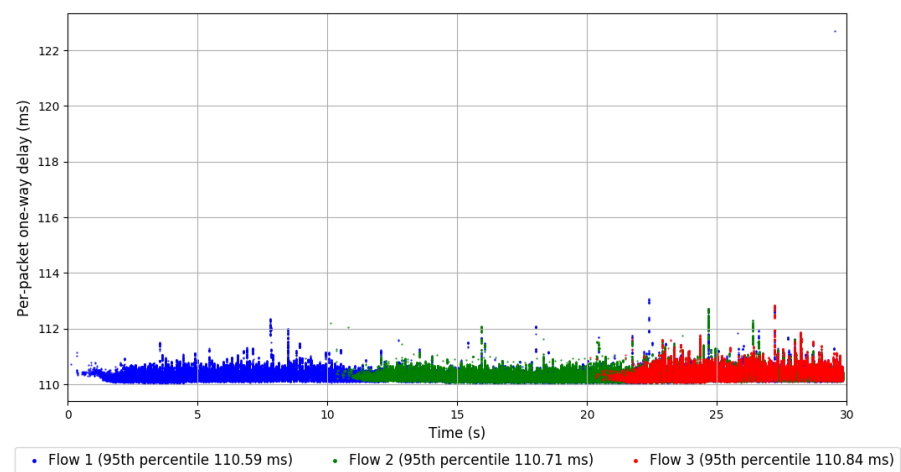
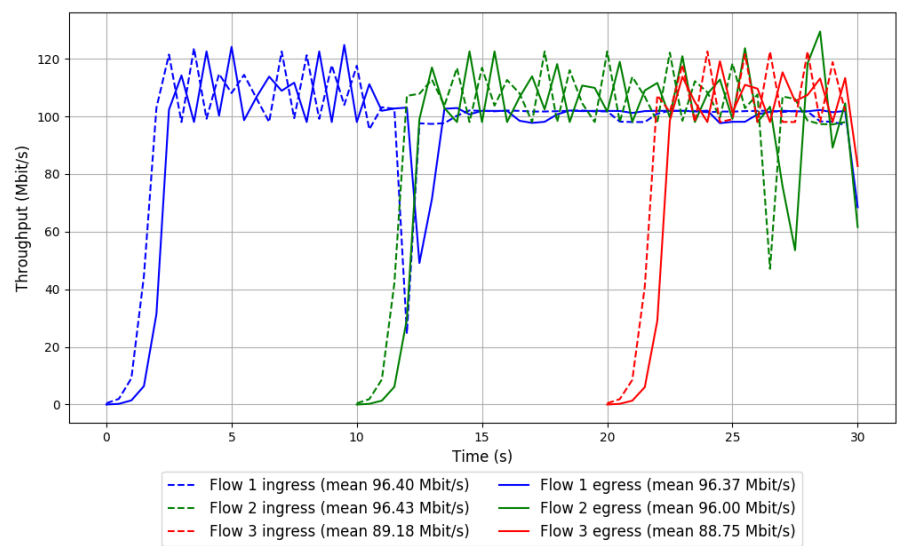


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 18:52:53
End at: 2018-08-01 18:53:23
Local clock offset: -0.216 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-08-01 22:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.97 Mbit/s
95th percentile per-packet one-way delay: 110.688 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 110.591 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 110.842 ms
Loss rate: 2.76%

Run 3: Report of TCP BBR — Data Link

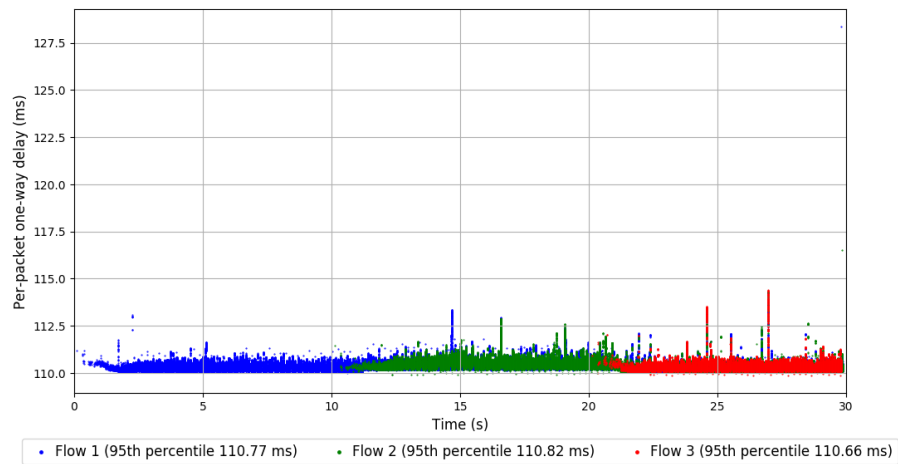
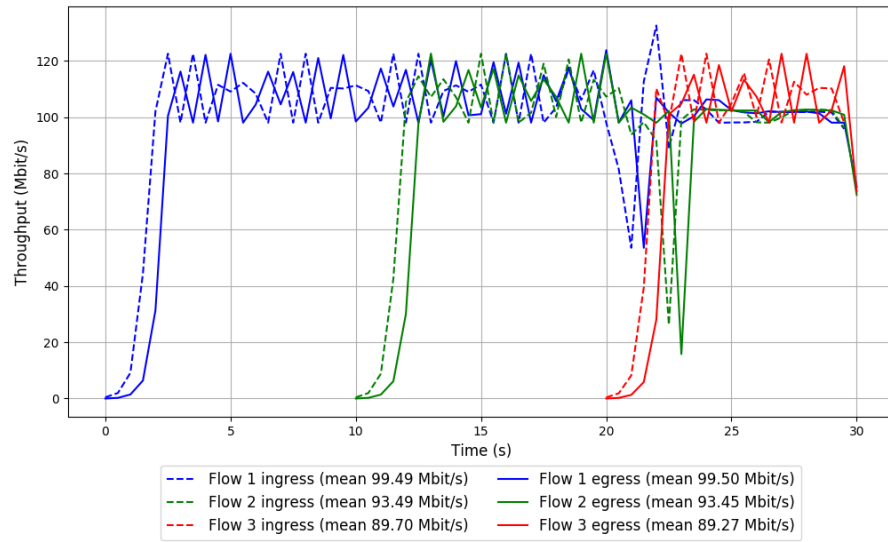


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 19:19:46
End at: 2018-08-01 19:20:16
Local clock offset: -0.23 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-01 22:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.56 Mbit/s
95th percentile per-packet one-way delay: 110.772 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 99.50 Mbit/s
95th percentile per-packet one-way delay: 110.766 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 110.821 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 110.655 ms
Loss rate: 2.76%

Run 4: Report of TCP BBR — Data Link

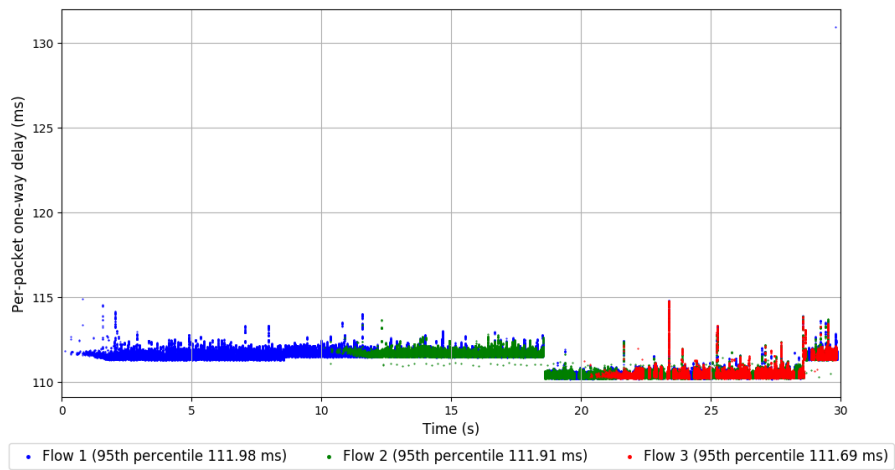
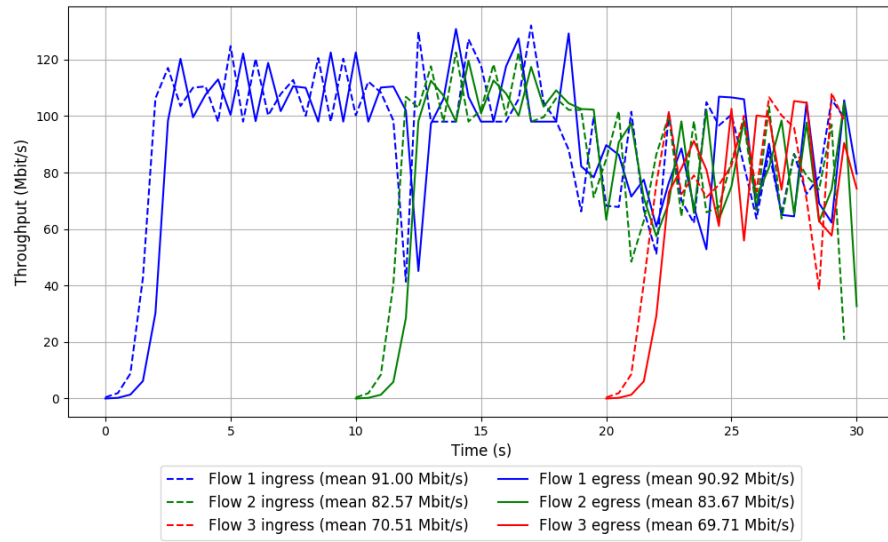


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 19:45:39
End at: 2018-08-01 19:46:09
Local clock offset: -0.041 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-01 22:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.65 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 111.905 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 111.693 ms
Loss rate: 3.52%

Run 5: Report of TCP BBR — Data Link

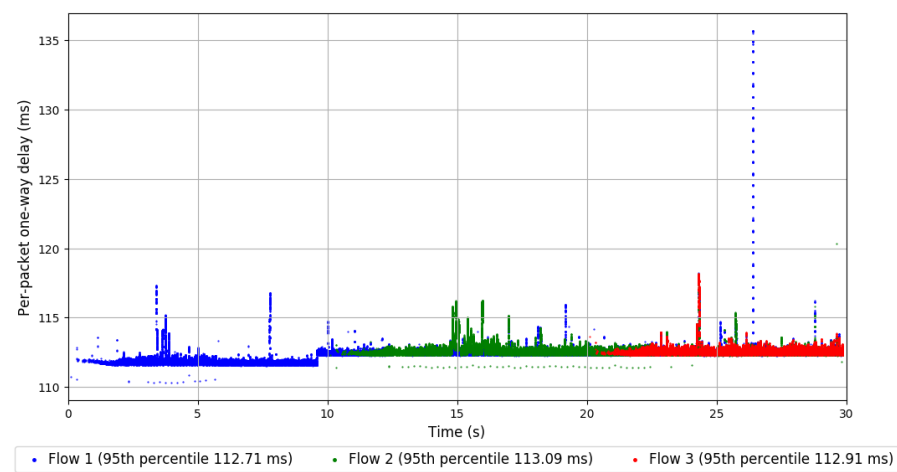
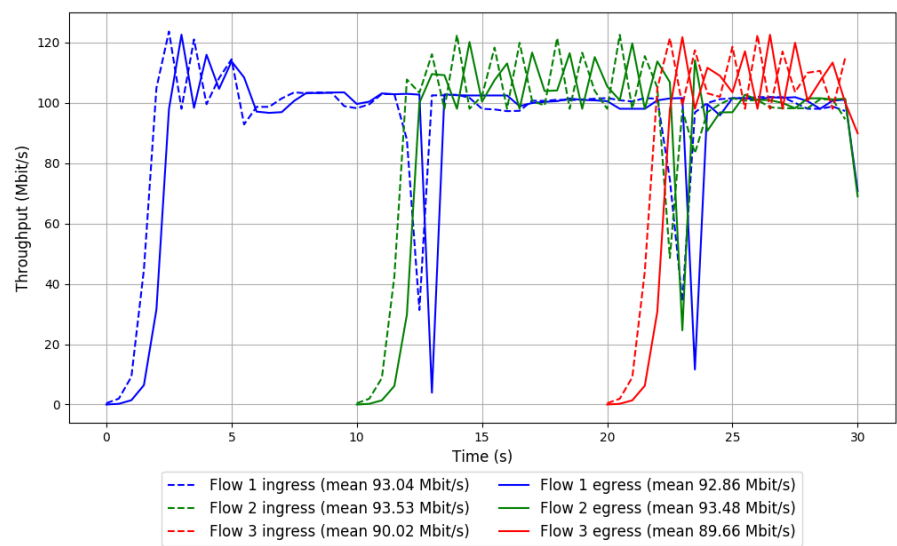


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 20:11:48
End at: 2018-08-01 20:12:18
Local clock offset: 1.183 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-01 22:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.27 Mbit/s
95th percentile per-packet one-way delay: 112.867 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 112.708 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 113.093 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 112.912 ms
Loss rate: 2.64%

Run 6: Report of TCP BBR — Data Link

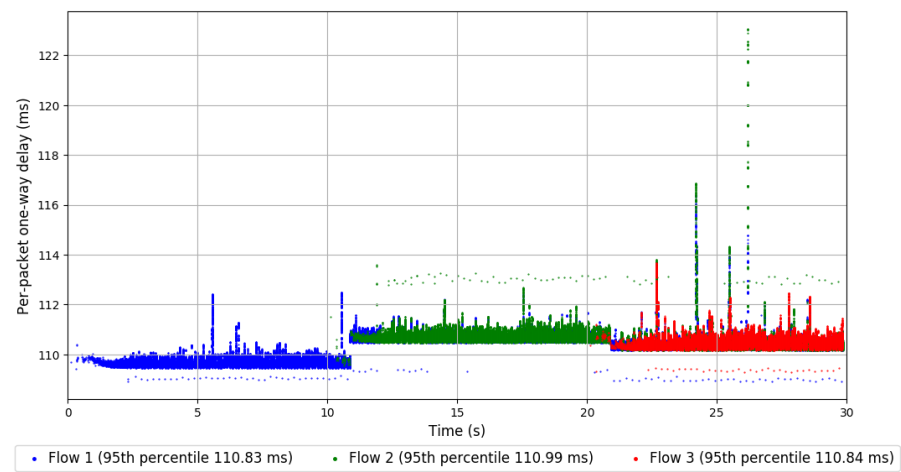
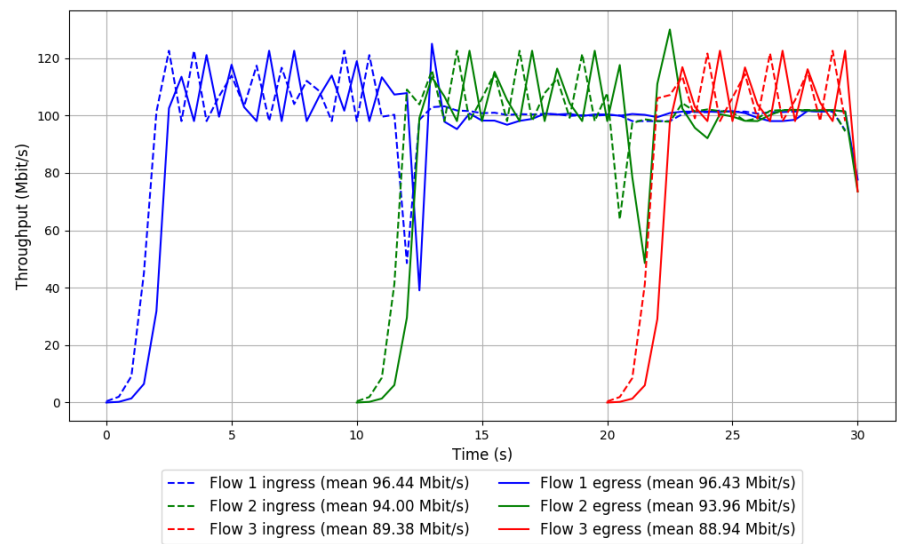


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 20:37:46
End at: 2018-08-01 20:38:16
Local clock offset: -1.227 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-08-01 22:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.78 Mbit/s
95th percentile per-packet one-way delay: 110.908 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 110.830 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 110.845 ms
Loss rate: 2.76%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 21:03:32

End at: 2018-08-01 21:04:02

Local clock offset: 1.258 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-01 22:30:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.37 Mbit/s

95th percentile per-packet one-way delay: 112.870 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 112.885 ms

Loss rate: 1.27%

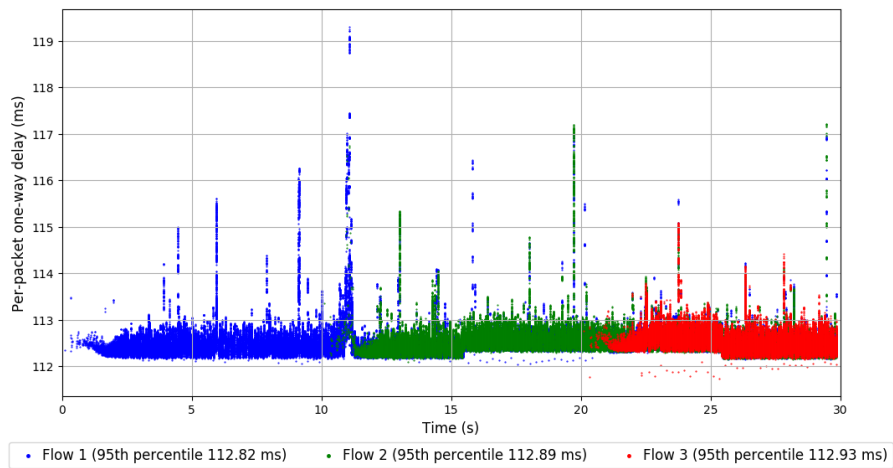
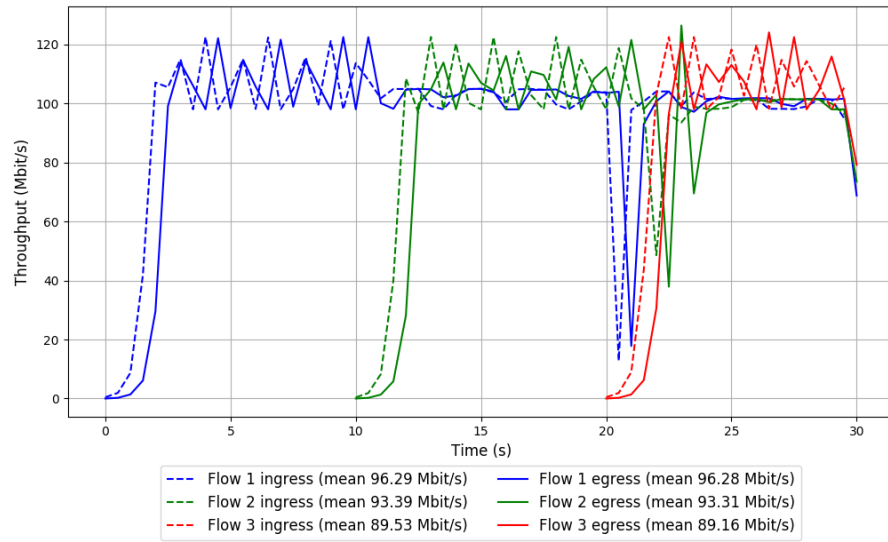
-- Flow 3:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 112.929 ms

Loss rate: 2.65%

Run 8: Report of TCP BBR — Data Link

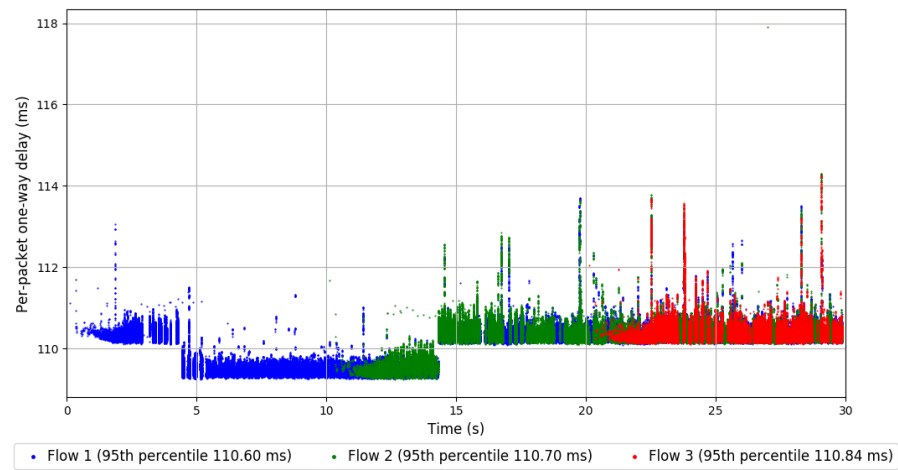
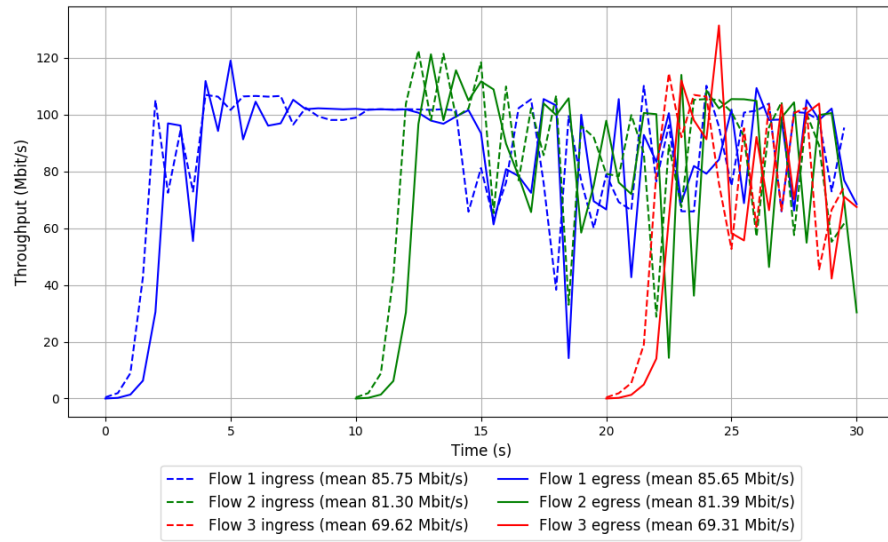


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 21:29:53
End at: 2018-08-01 21:30:23
Local clock offset: -0.186 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-01 22:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.30 Mbit/s
95th percentile per-packet one-way delay: 110.677 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 110.601 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 110.704 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 110.841 ms
Loss rate: 1.55%

Run 9: Report of TCP BBR — Data Link

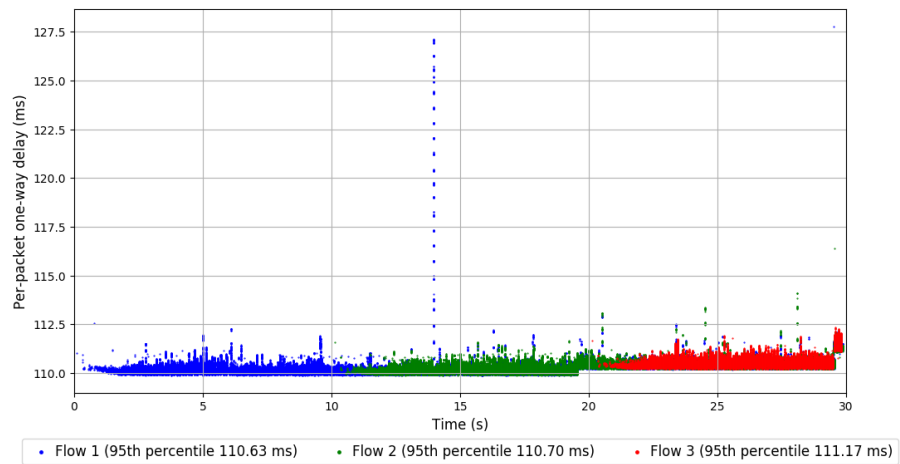
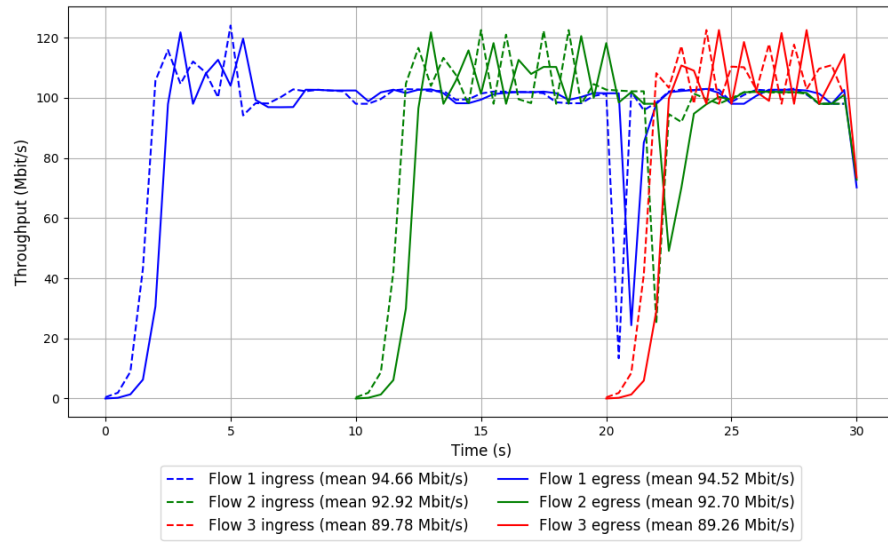


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 21:55:38
End at: 2018-08-01 21:56:08
Local clock offset: -0.374 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 22:32:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.08 Mbit/s
95th percentile per-packet one-way delay: 110.749 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 110.627 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 110.697 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 111.172 ms
Loss rate: 2.90%

Run 10: Report of TCP BBR — Data Link

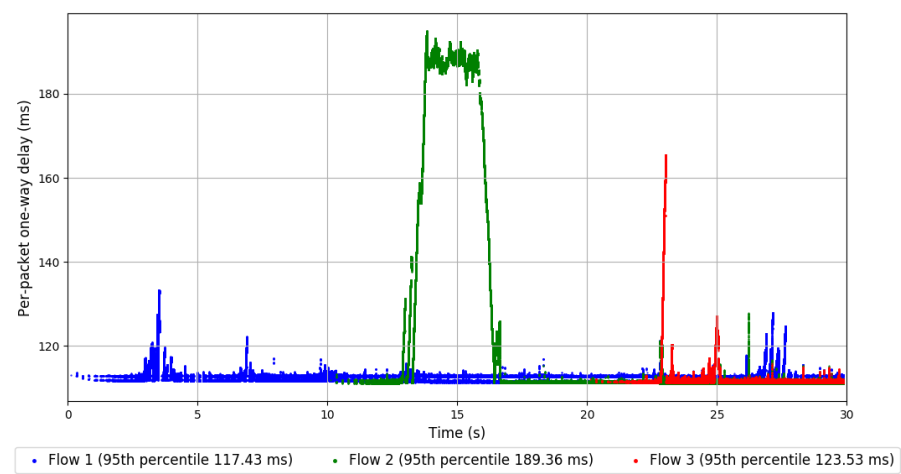
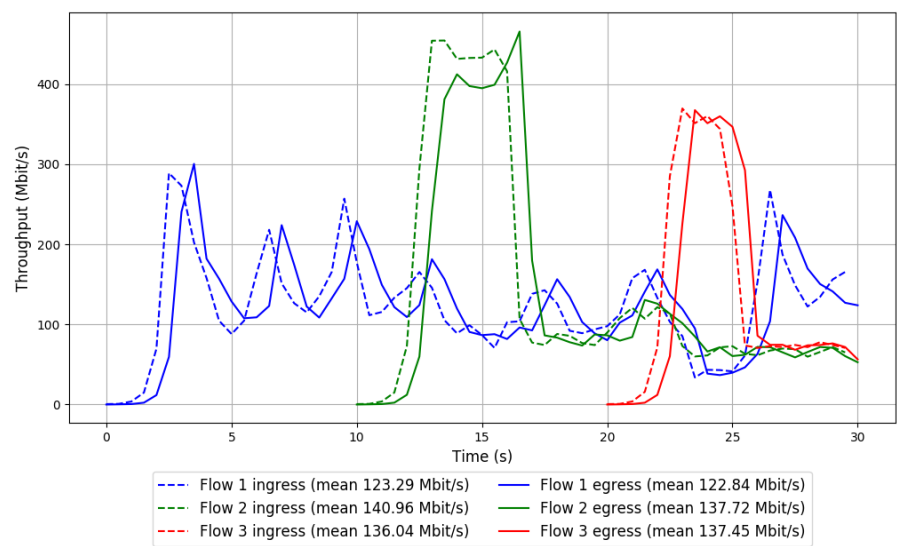


Run 1: Statistics of Copa

Start at: 2018-08-01 18:02:34
End at: 2018-08-01 18:03:04
Local clock offset: 0.104 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-01 22:37:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.20 Mbit/s
95th percentile per-packet one-way delay: 187.848 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 122.84 Mbit/s
95th percentile per-packet one-way delay: 117.431 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 137.72 Mbit/s
95th percentile per-packet one-way delay: 189.357 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 137.45 Mbit/s
95th percentile per-packet one-way delay: 123.528 ms
Loss rate: 1.23%

Run 1: Report of Copa — Data Link

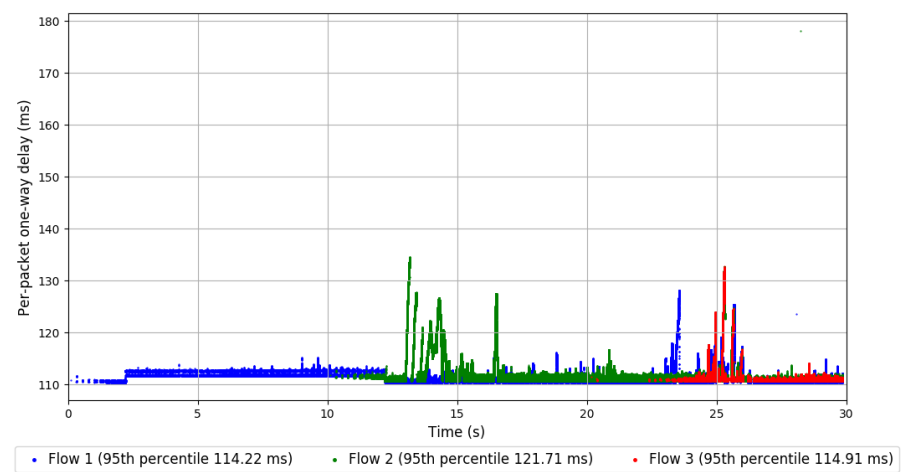
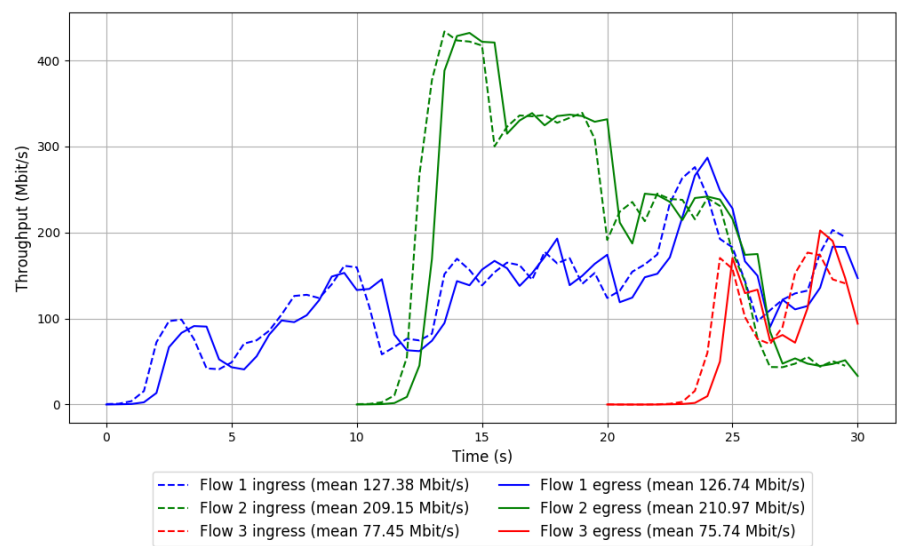


Run 2: Statistics of Copa

Start at: 2018-08-01 18:28:45
End at: 2018-08-01 18:29:15
Local clock offset: -0.143 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-08-01 22:38:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.35 Mbit/s
95th percentile per-packet one-way delay: 118.275 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 126.74 Mbit/s
95th percentile per-packet one-way delay: 114.223 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 121.711 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 114.910 ms
Loss rate: 4.40%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-01 18:56:26

End at: 2018-08-01 18:56:56

Local clock offset: -0.235 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-08-01 22:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.69 Mbit/s

95th percentile per-packet one-way delay: 124.861 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 222.31 Mbit/s

95th percentile per-packet one-way delay: 119.566 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 180.86 Mbit/s

95th percentile per-packet one-way delay: 135.132 ms

Loss rate: 0.32%

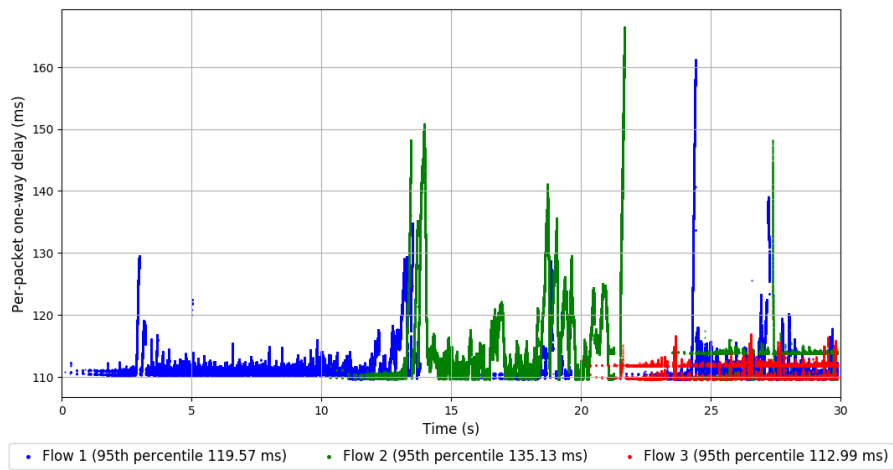
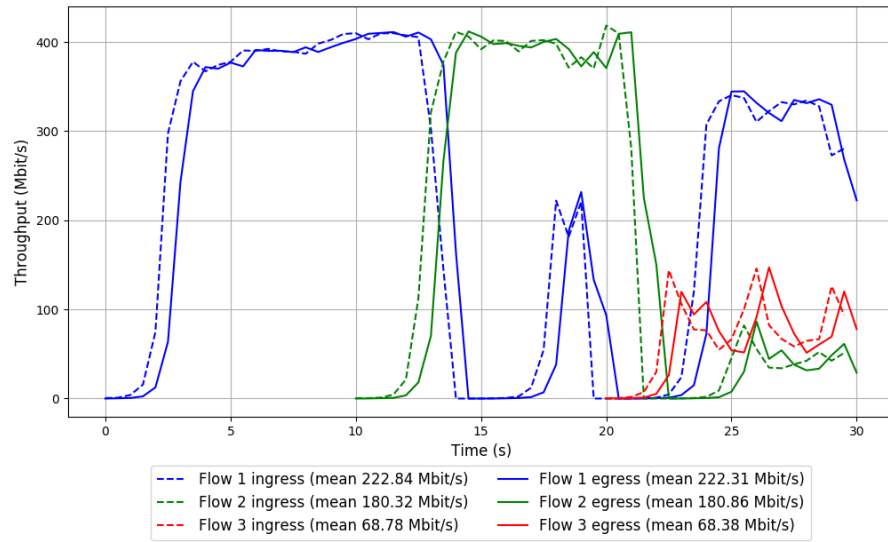
-- Flow 3:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 112.992 ms

Loss rate: 2.82%

Run 3: Report of Copa — Data Link

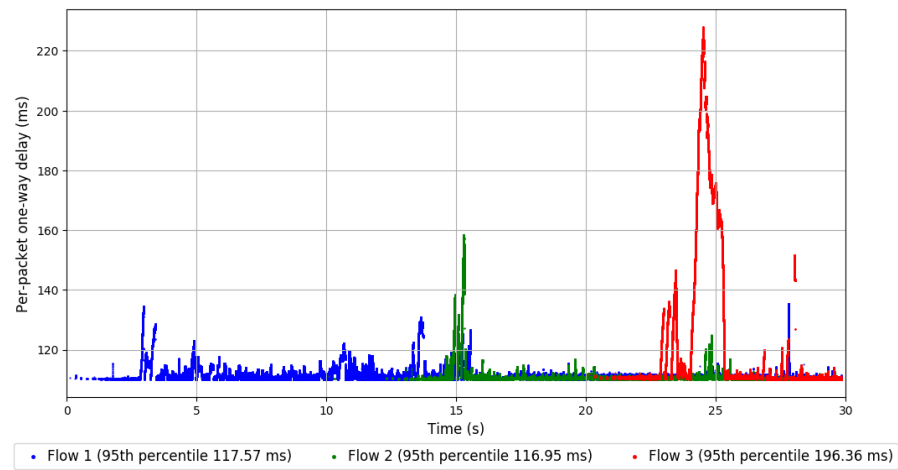
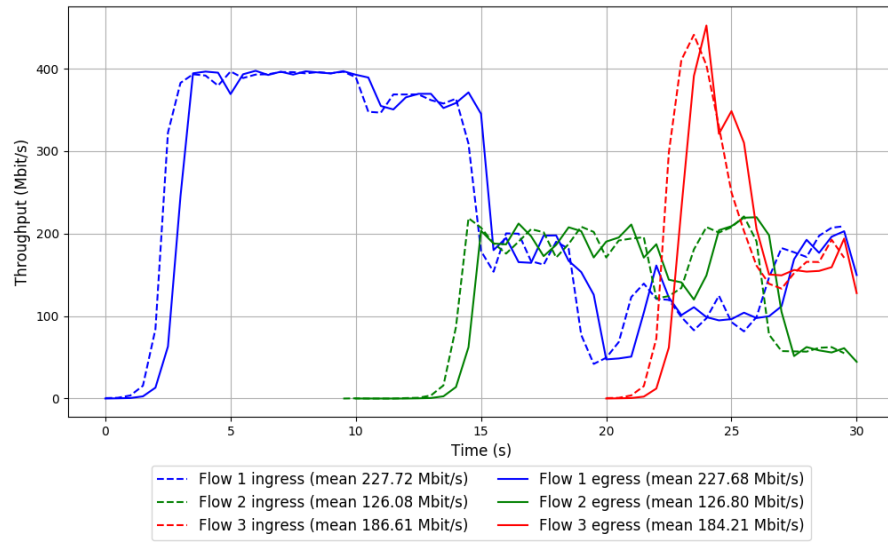


Run 4: Statistics of Copa

Start at: 2018-08-01 19:22:50
End at: 2018-08-01 19:23:20
Local clock offset: -0.132 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-01 22:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.09 Mbit/s
95th percentile per-packet one-way delay: 131.708 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 227.68 Mbit/s
95th percentile per-packet one-way delay: 117.570 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 126.80 Mbit/s
95th percentile per-packet one-way delay: 116.955 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 184.21 Mbit/s
95th percentile per-packet one-way delay: 196.356 ms
Loss rate: 3.47%

Run 4: Report of Copa — Data Link

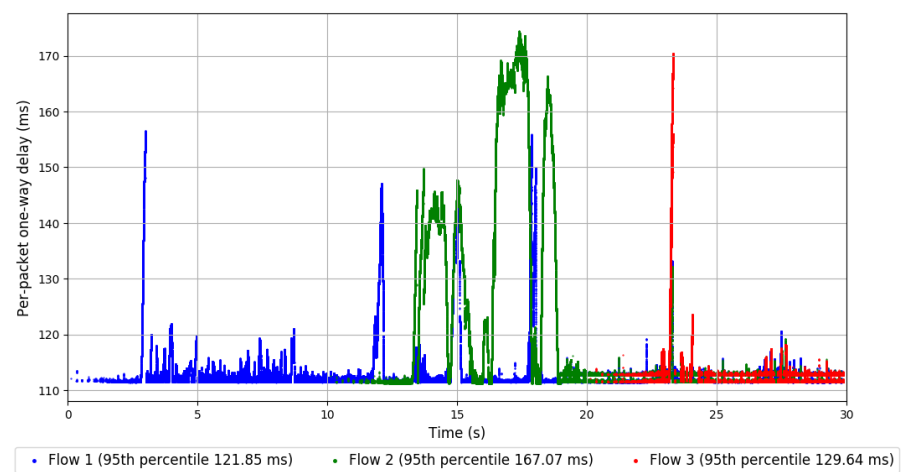
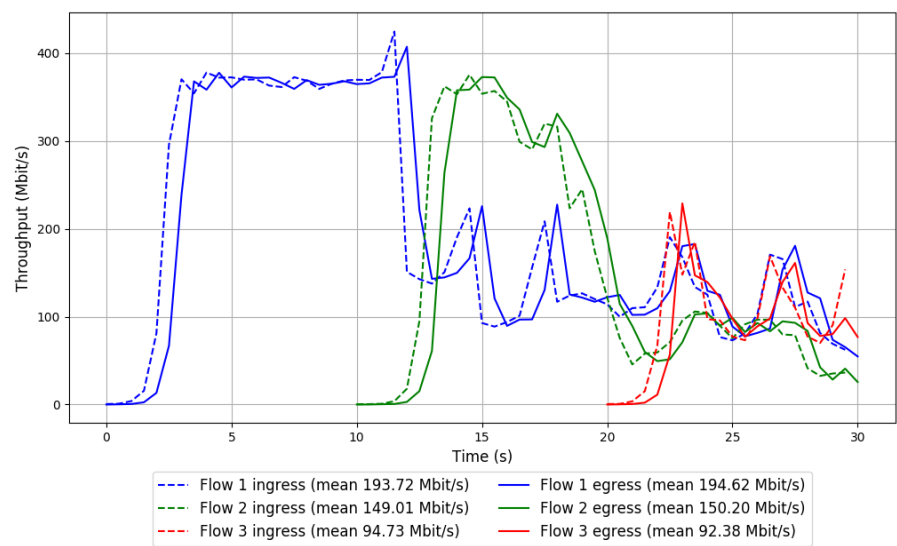


Run 5: Statistics of Copa

Start at: 2018-08-01 19:48:48
End at: 2018-08-01 19:49:18
Local clock offset: 1.178 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-01 22:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.37 Mbit/s
95th percentile per-packet one-way delay: 154.397 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 194.62 Mbit/s
95th percentile per-packet one-way delay: 121.852 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 167.070 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 129.644 ms
Loss rate: 4.67%

Run 5: Report of Copa — Data Link

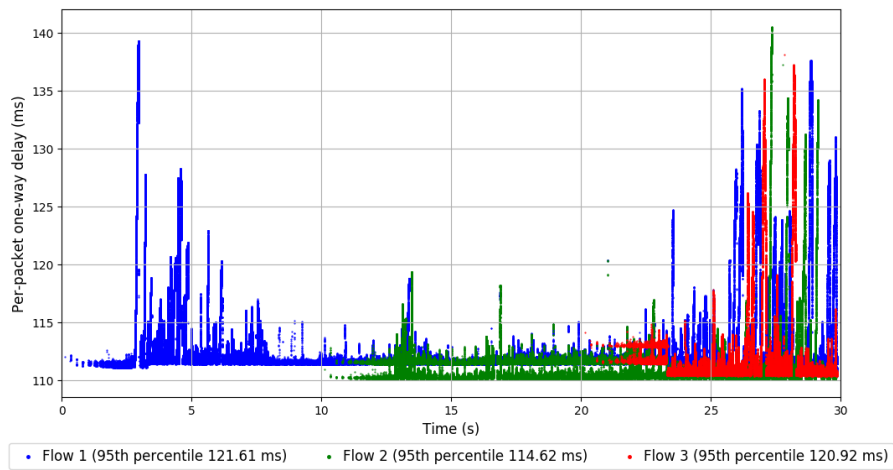
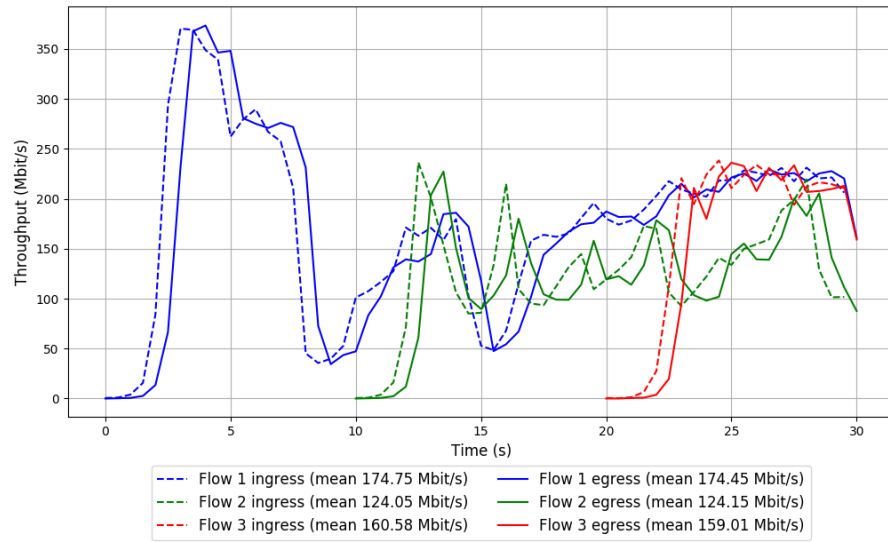


Run 6: Statistics of Copa

Start at: 2018-08-01 20:14:44
End at: 2018-08-01 20:15:14
Local clock offset: 0.068 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-01 22:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.57 Mbit/s
95th percentile per-packet one-way delay: 120.153 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 174.45 Mbit/s
95th percentile per-packet one-way delay: 121.610 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 124.15 Mbit/s
95th percentile per-packet one-way delay: 114.623 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 159.01 Mbit/s
95th percentile per-packet one-way delay: 120.917 ms
Loss rate: 3.20%

Run 6: Report of Copa — Data Link

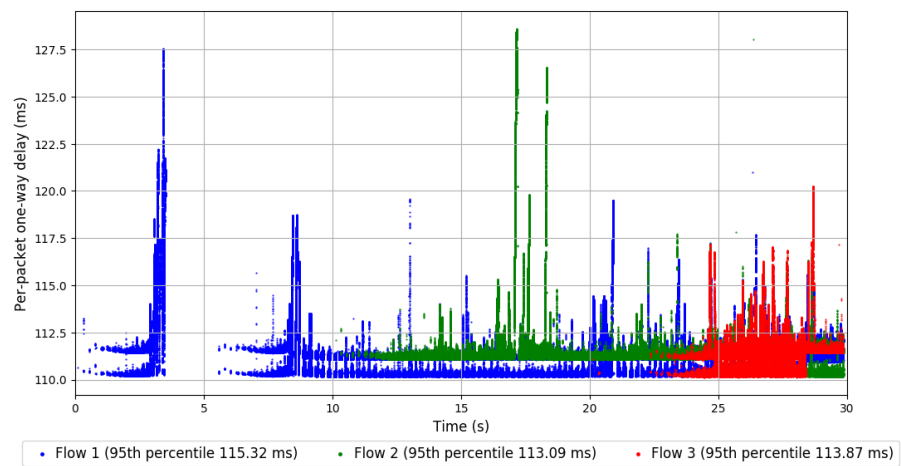
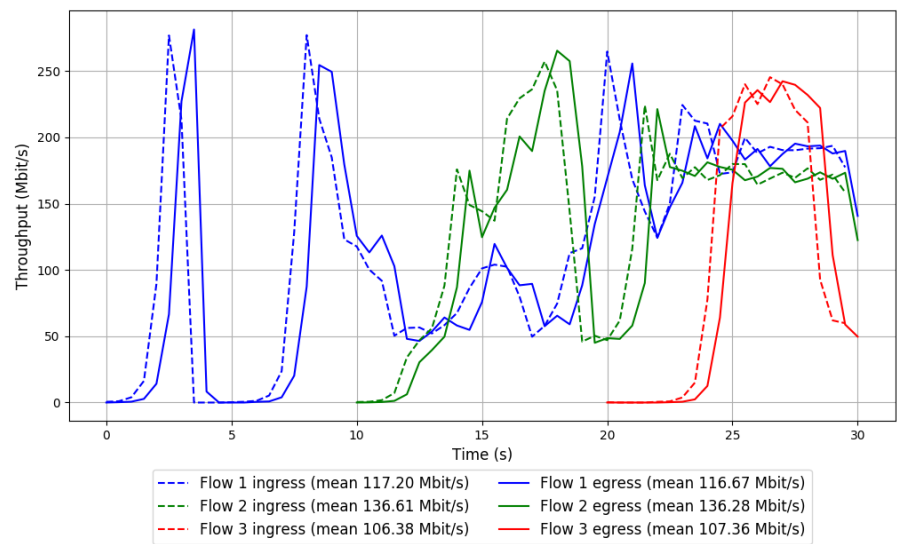


Run 7: Statistics of Copa

Start at: 2018-08-01 20:40:39
End at: 2018-08-01 20:41:09
Local clock offset: 0.057 ms
Remote clock offset: -0.247 ms

```
# Below is generated by plot.py at 2018-08-01 22:41:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 242.23 Mbit/s
95th percentile per-packet one-way delay: 114.187 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 136.28 Mbit/s
95th percentile per-packet one-way delay: 113.095 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 107.36 Mbit/s
95th percentile per-packet one-way delay: 113.873 ms
Loss rate: 1.32%
```


Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-01 21:06:35

End at: 2018-08-01 21:07:05

Local clock offset: 1.02 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-01 22:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.74 Mbit/s

95th percentile per-packet one-way delay: 116.259 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 200.27 Mbit/s

95th percentile per-packet one-way delay: 117.858 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 231.77 Mbit/s

95th percentile per-packet one-way delay: 114.455 ms

Loss rate: 0.99%

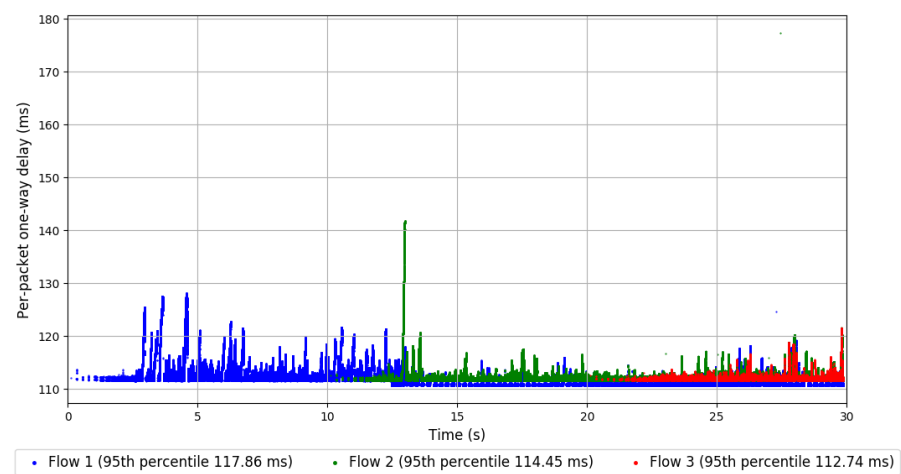
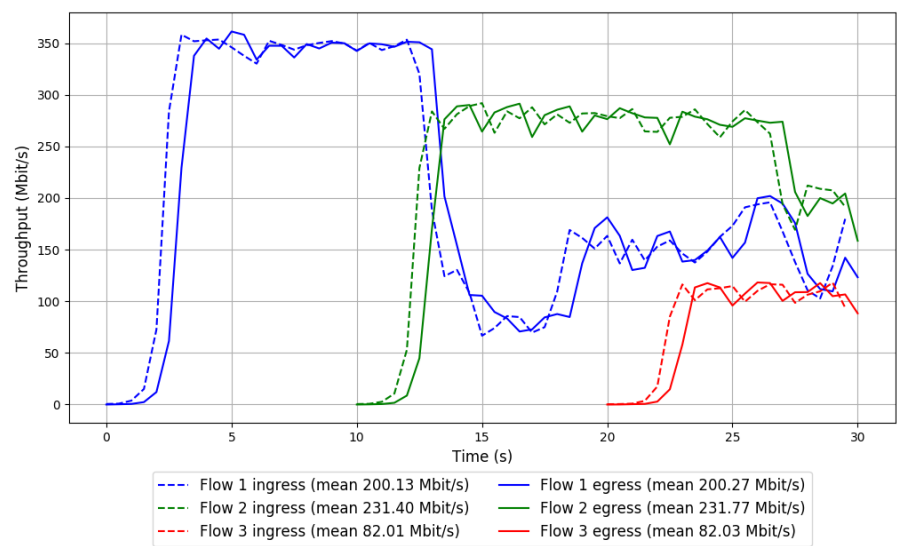
-- Flow 3:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 112.742 ms

Loss rate: 2.26%

Run 8: Report of Copa — Data Link

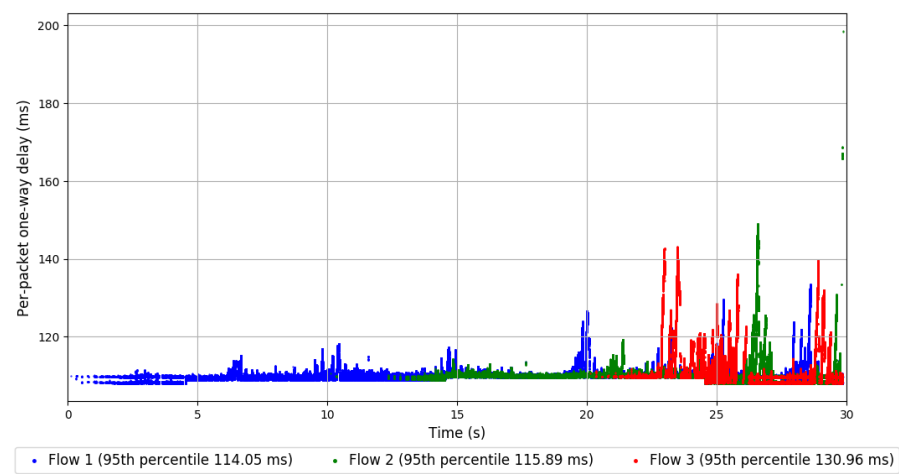
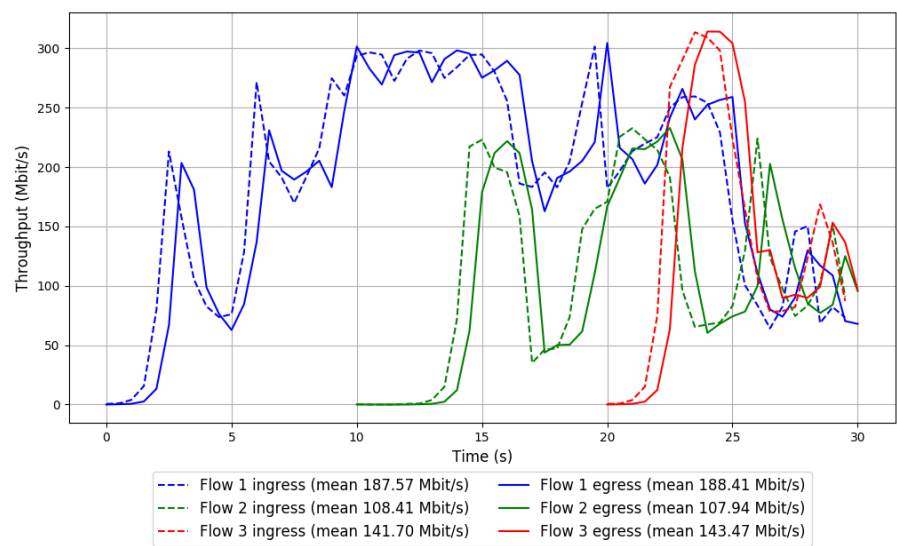


Run 9: Statistics of Copa

Start at: 2018-08-01 21:32:33
End at: 2018-08-01 21:33:03
Local clock offset: -1.33 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-01 22:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.75 Mbit/s
95th percentile per-packet one-way delay: 118.441 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 114.054 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 107.94 Mbit/s
95th percentile per-packet one-way delay: 115.891 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 143.47 Mbit/s
95th percentile per-packet one-way delay: 130.956 ms
Loss rate: 1.34%

Run 9: Report of Copa — Data Link

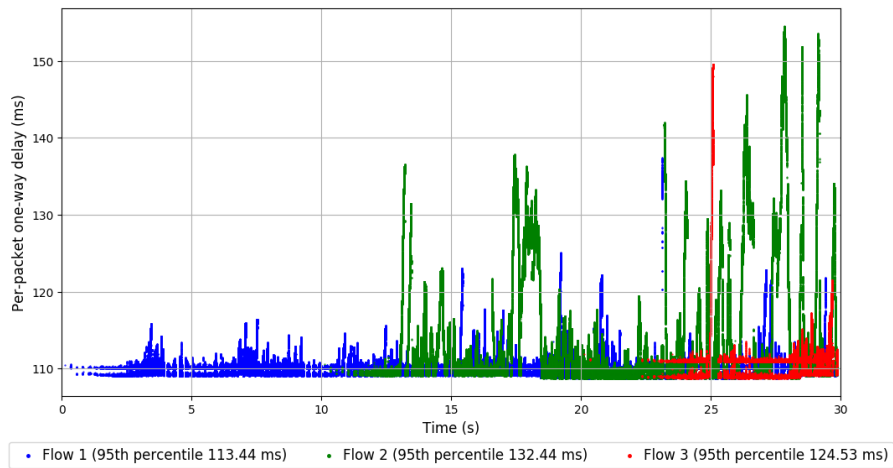
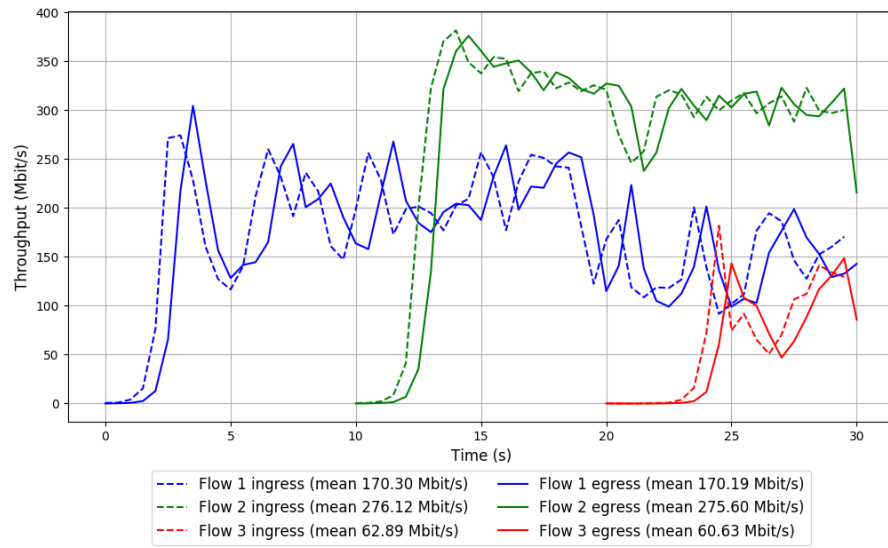


Run 10: Statistics of Copa

Start at: 2018-08-01 21:58:49
End at: 2018-08-01 21:59:19
Local clock offset: -1.552 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.91 Mbit/s
95th percentile per-packet one-way delay: 128.244 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 170.19 Mbit/s
95th percentile per-packet one-way delay: 113.442 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 275.60 Mbit/s
95th percentile per-packet one-way delay: 132.437 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 124.528 ms
Loss rate: 5.78%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 18:11:55

End at: 2018-08-01 18:12:25

Local clock offset: 1.028 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-08-01 22:49:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.70 Mbit/s

95th percentile per-packet one-way delay: 113.638 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 76.62 Mbit/s

95th percentile per-packet one-way delay: 113.685 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 113.552 ms

Loss rate: 1.40%

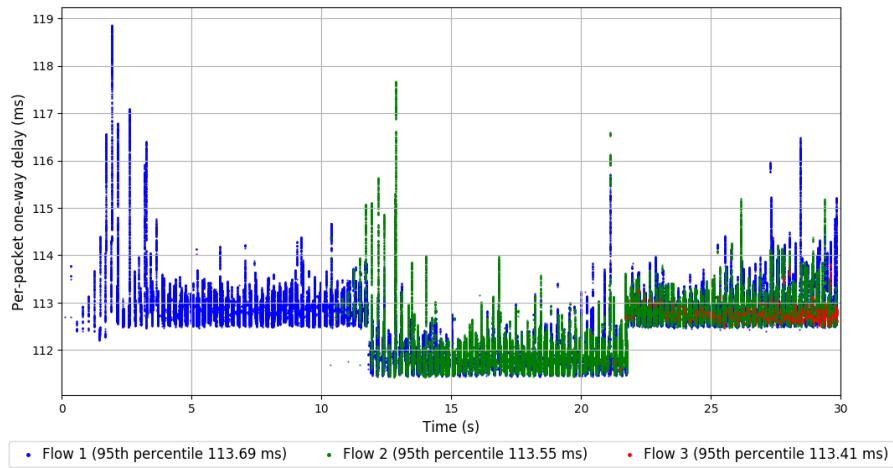
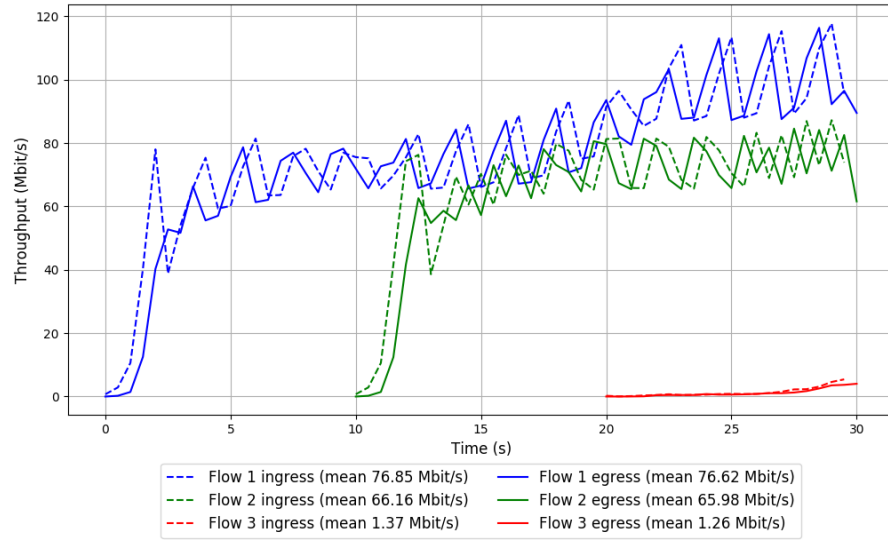
-- Flow 3:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 113.414 ms

Loss rate: 10.23%

Run 1: Report of TCP Cubic — Data Link

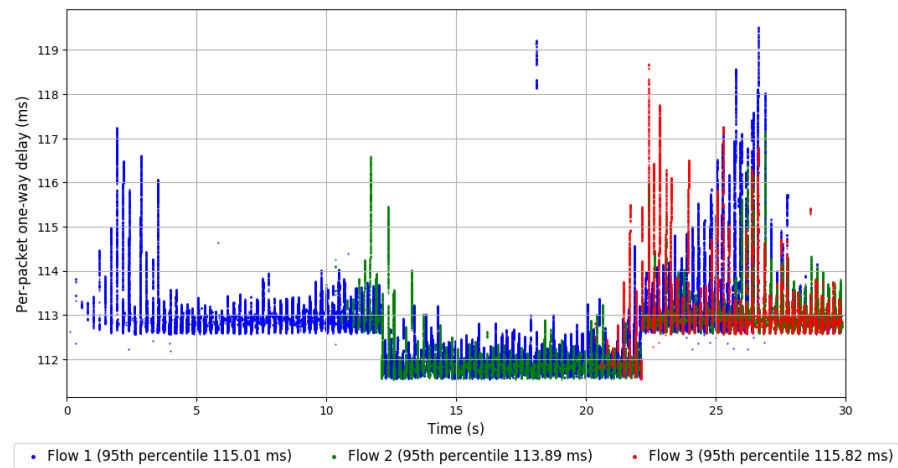
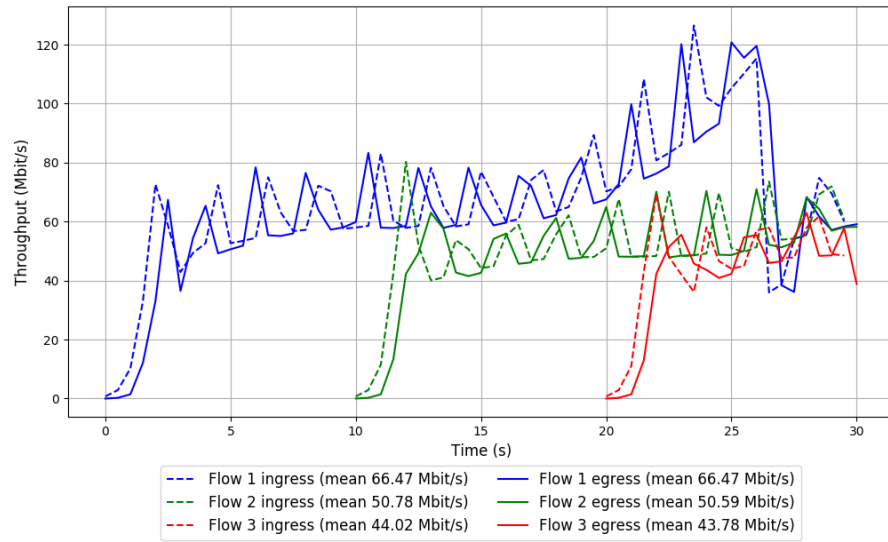


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 18:38:25
End at: 2018-08-01 18:38:55
Local clock offset: 1.076 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.30 Mbit/s
95th percentile per-packet one-way delay: 114.858 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 115.006 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 50.59 Mbit/s
95th percentile per-packet one-way delay: 113.892 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 115.818 ms
Loss rate: 2.77%

Run 2: Report of TCP Cubic — Data Link

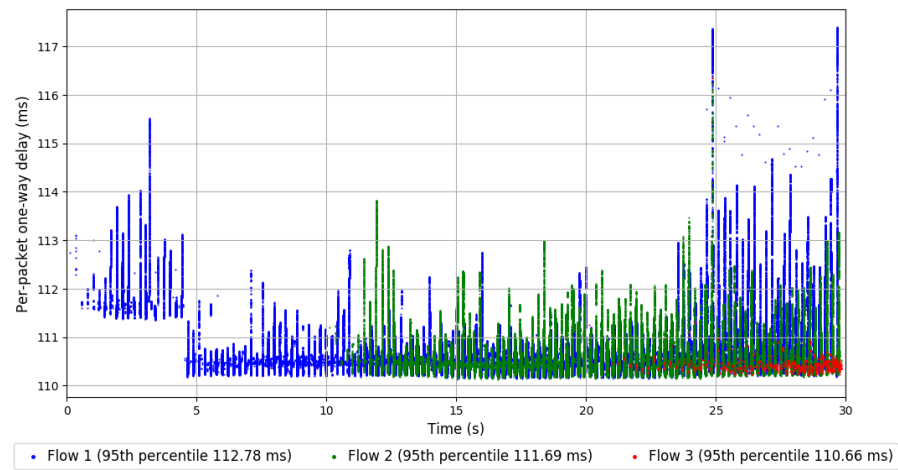
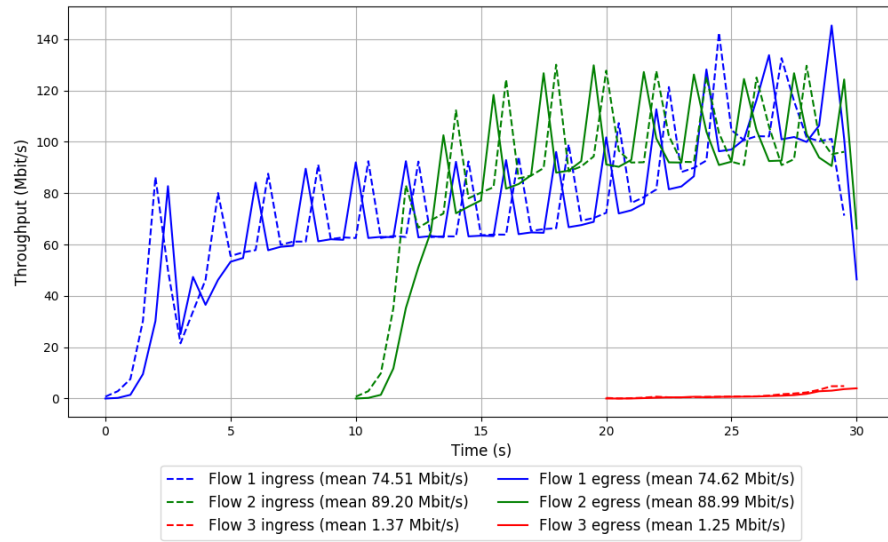


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 19:06:03
End at: 2018-08-01 19:06:33
Local clock offset: -0.134 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 112.318 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 112.777 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 111.695 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 110.655 ms
Loss rate: 10.26%

Run 3: Report of TCP Cubic — Data Link

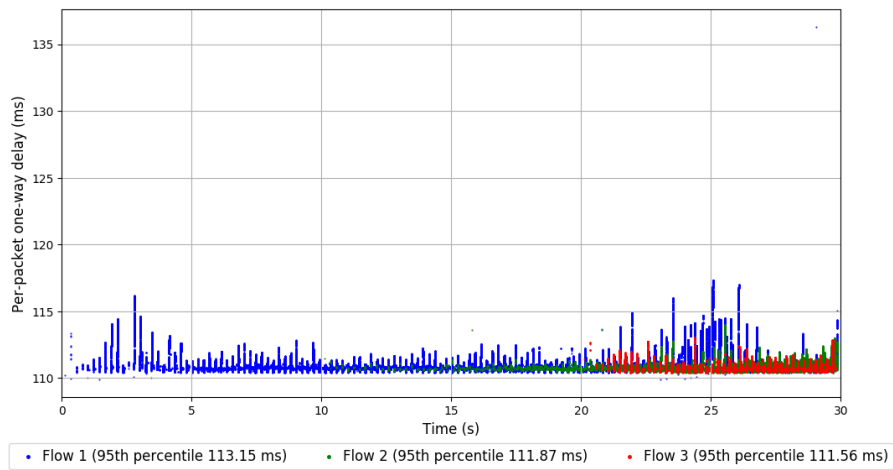
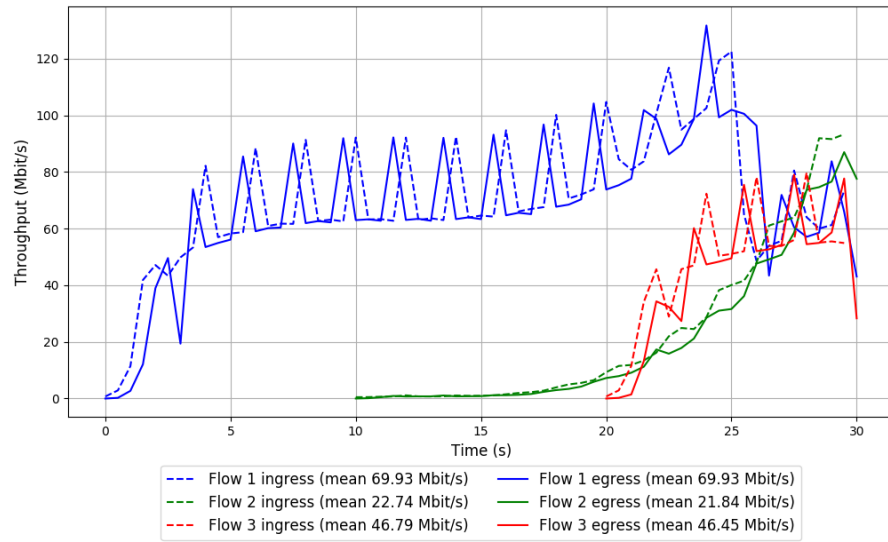


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 19:32:11
End at: 2018-08-01 19:32:41
Local clock offset: 0.065 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.58 Mbit/s
95th percentile per-packet one-way delay: 112.649 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 113.152 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 111.873 ms
Loss rate: 5.03%
-- Flow 3:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 2.95%

Run 4: Report of TCP Cubic — Data Link

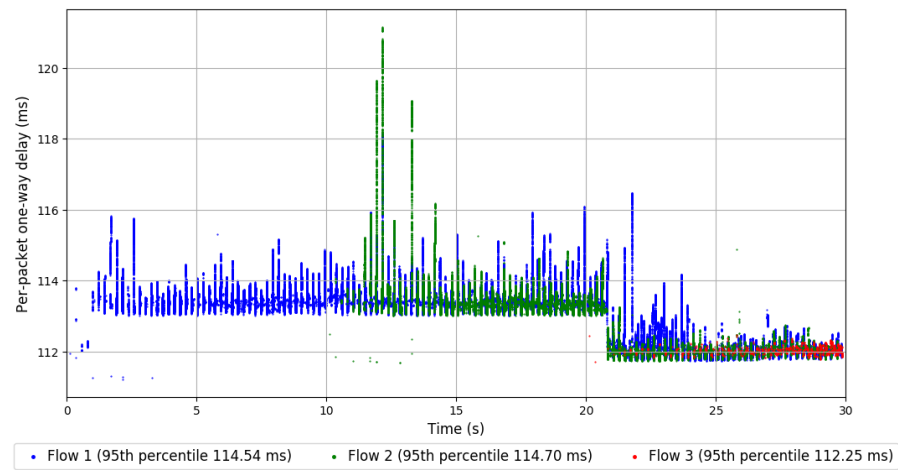
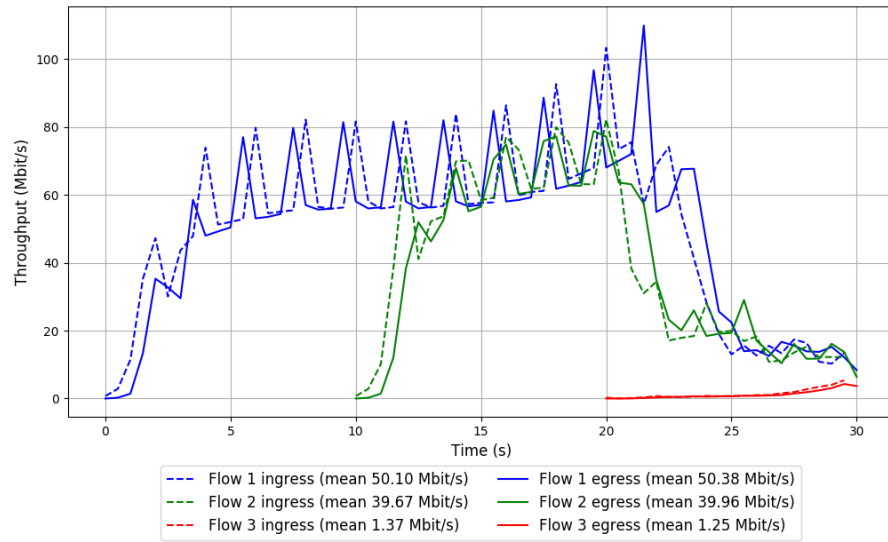


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 19:58:06
End at: 2018-08-01 19:58:36
Local clock offset: 1.087 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 114.556 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 114.539 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 114.705 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 10.23%

Run 5: Report of TCP Cubic — Data Link

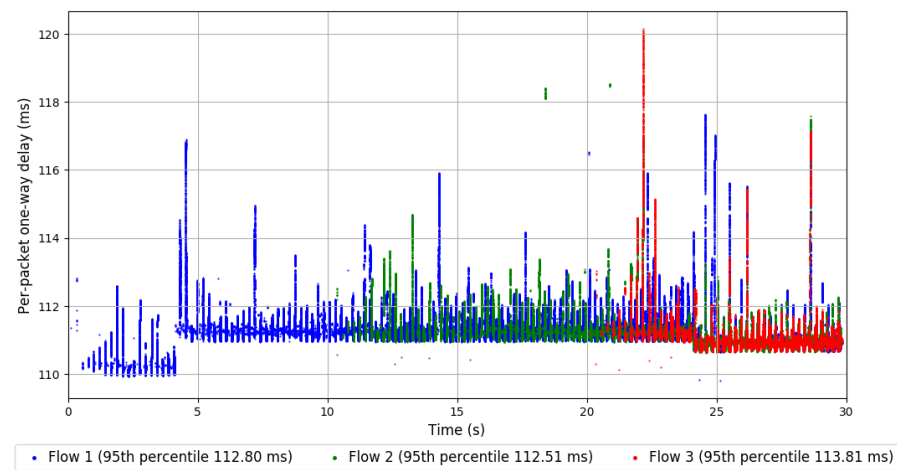
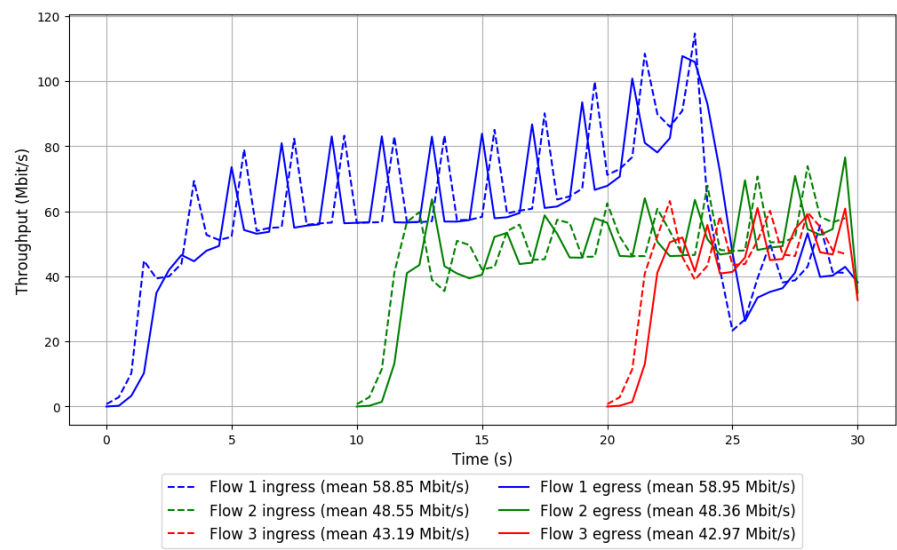


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 20:24:03
End at: 2018-08-01 20:24:33
Local clock offset: -0.417 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.01 Mbit/s
95th percentile per-packet one-way delay: 112.747 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 112.510 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 113.808 ms
Loss rate: 2.72%

Run 6: Report of TCP Cubic — Data Link

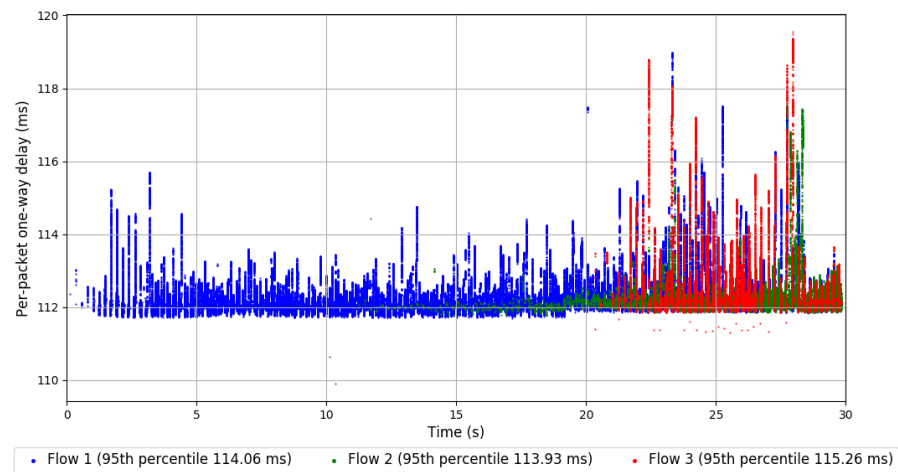
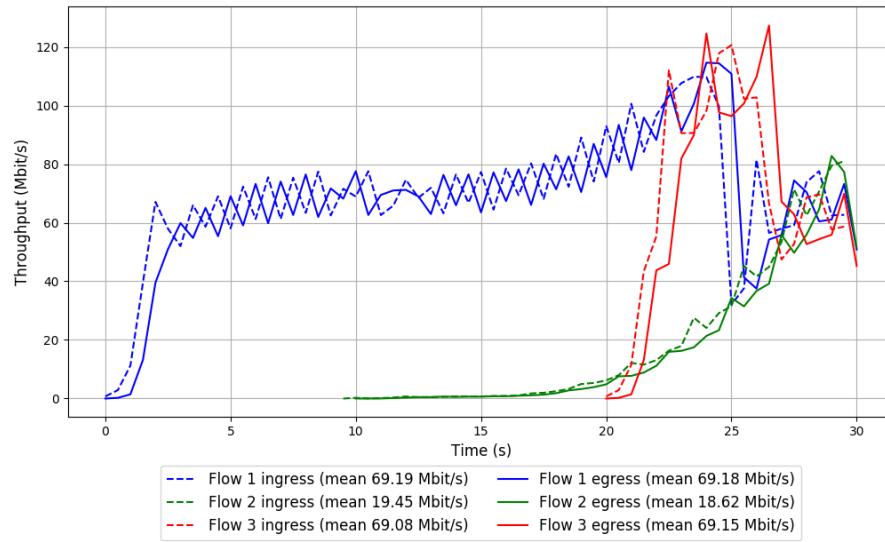


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 20:49:58
End at: 2018-08-01 20:50:28
Local clock offset: 0.067 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 114.363 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 114.063 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 113.928 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 115.258 ms
Loss rate: 2.15%

Run 7: Report of TCP Cubic — Data Link

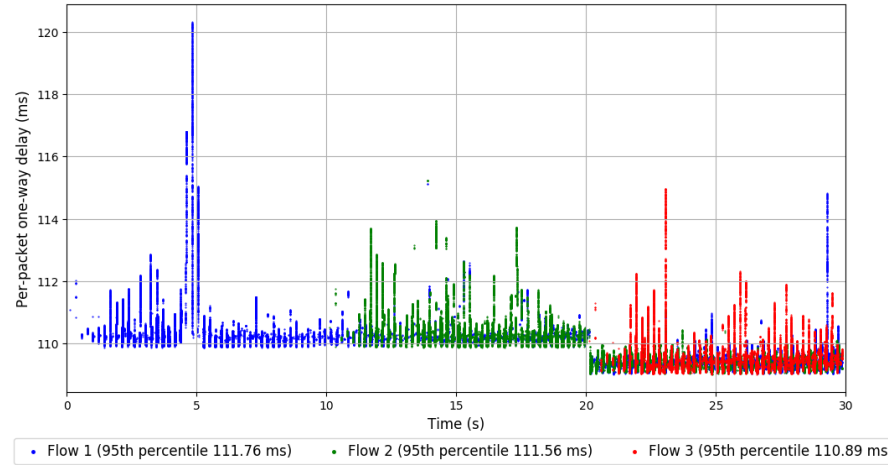
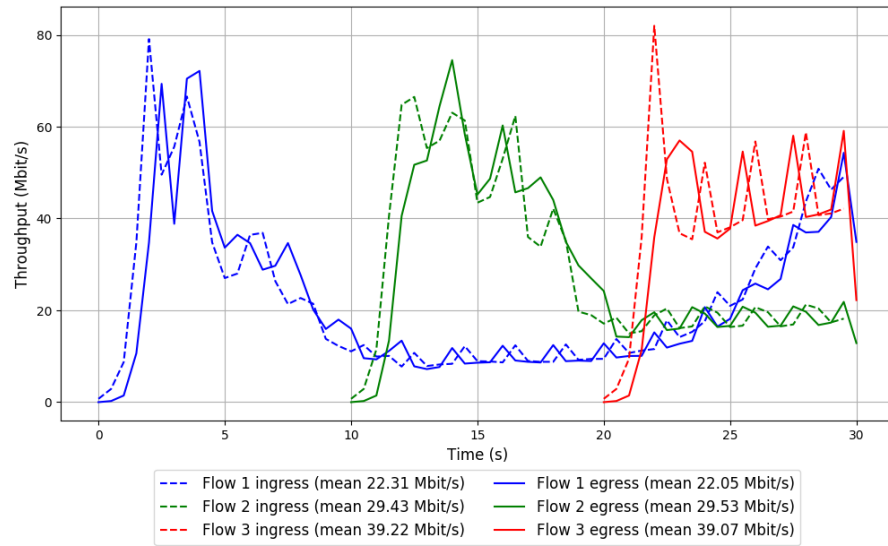


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 21:16:17
End at: 2018-08-01 21:16:47
Local clock offset: -0.374 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 111.467 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 111.763 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 110.889 ms
Loss rate: 2.61%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 21:41:55

End at: 2018-08-01 21:42:25

Local clock offset: 1.026 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-01 22:49:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 112.023 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 21.48 Mbit/s

95th percentile per-packet one-way delay: 111.839 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 111.949 ms

Loss rate: 0.59%

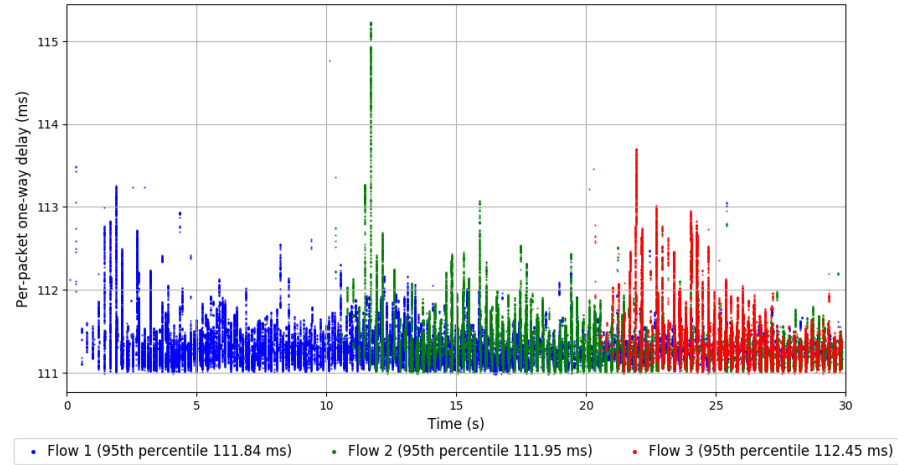
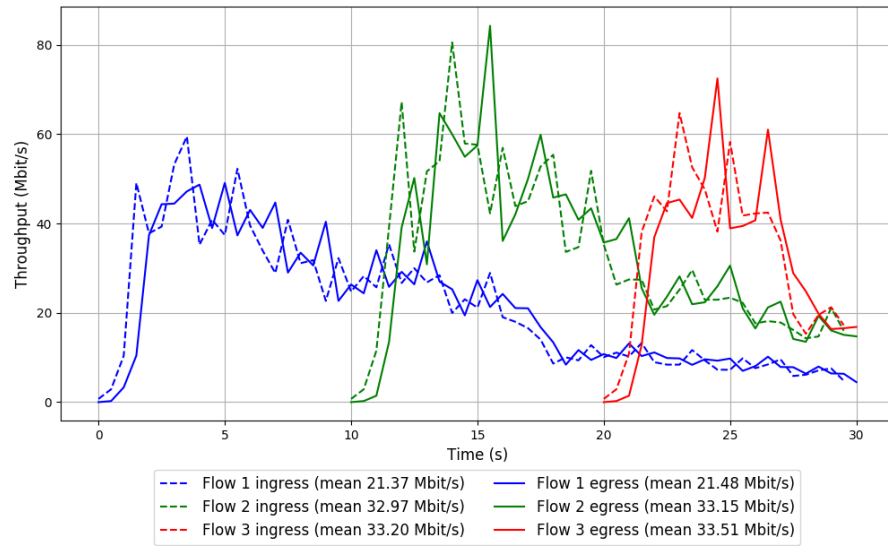
-- Flow 3:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 112.447 ms

Loss rate: 1.35%

Run 9: Report of TCP Cubic — Data Link

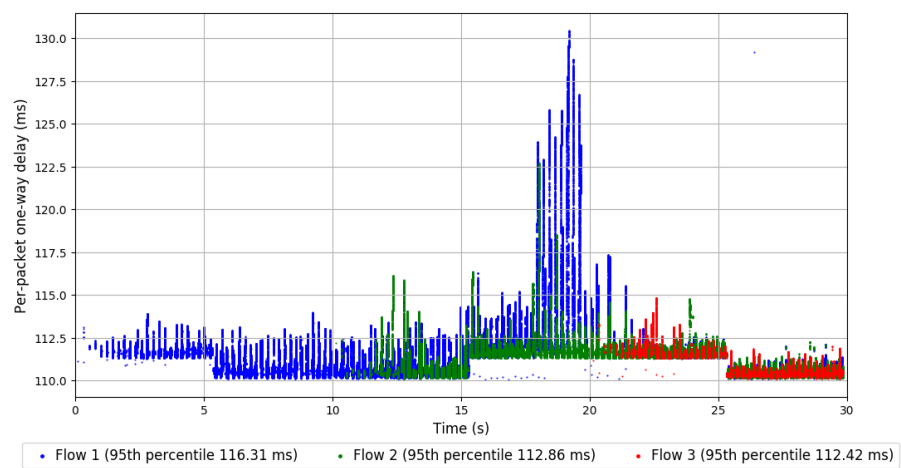
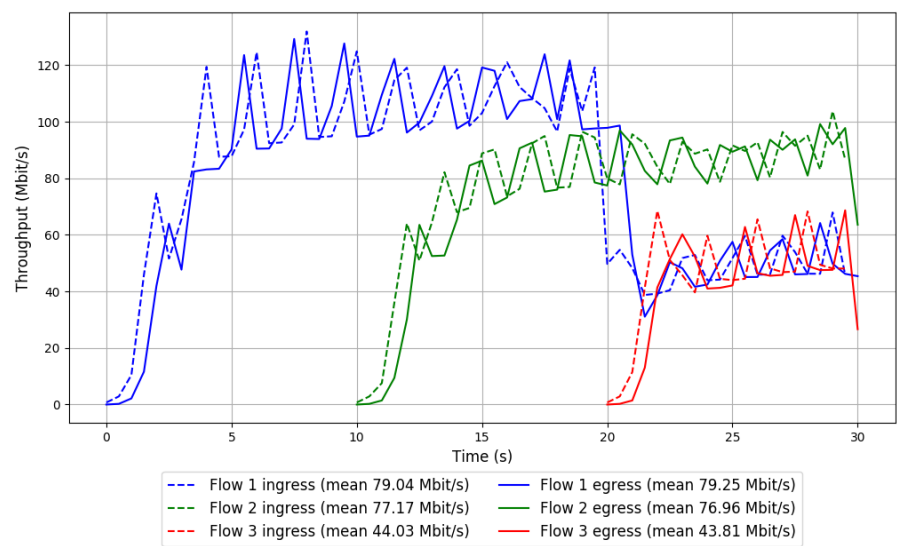


Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 22:08:22
End at: 2018-08-01 22:08:52
Local clock offset: -0.261 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-01 22:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.52 Mbit/s
95th percentile per-packet one-way delay: 114.396 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 116.315 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 112.859 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 2.73%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-01 18:05:49

End at: 2018-08-01 18:06:19

Local clock offset: -0.033 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-08-01 23:04:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1071.02 Mbit/s

95th percentile per-packet one-way delay: 157.171 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 623.80 Mbit/s

95th percentile per-packet one-way delay: 166.490 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 483.25 Mbit/s

95th percentile per-packet one-way delay: 133.304 ms

Loss rate: 0.90%

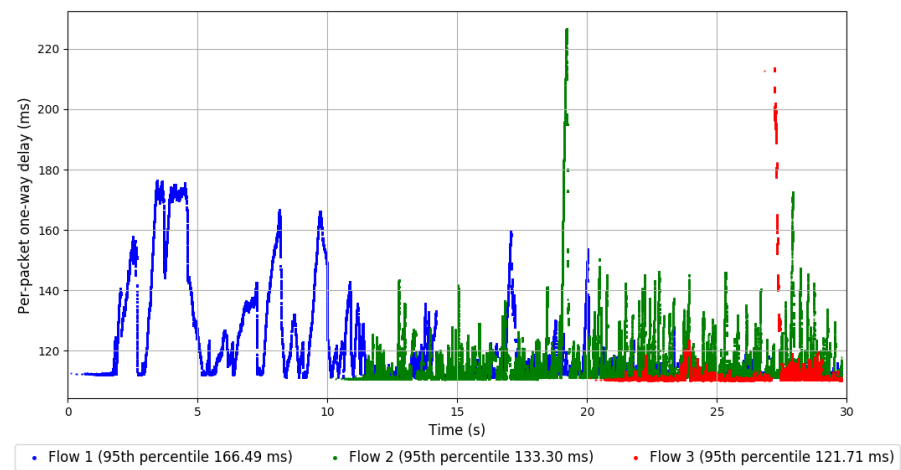
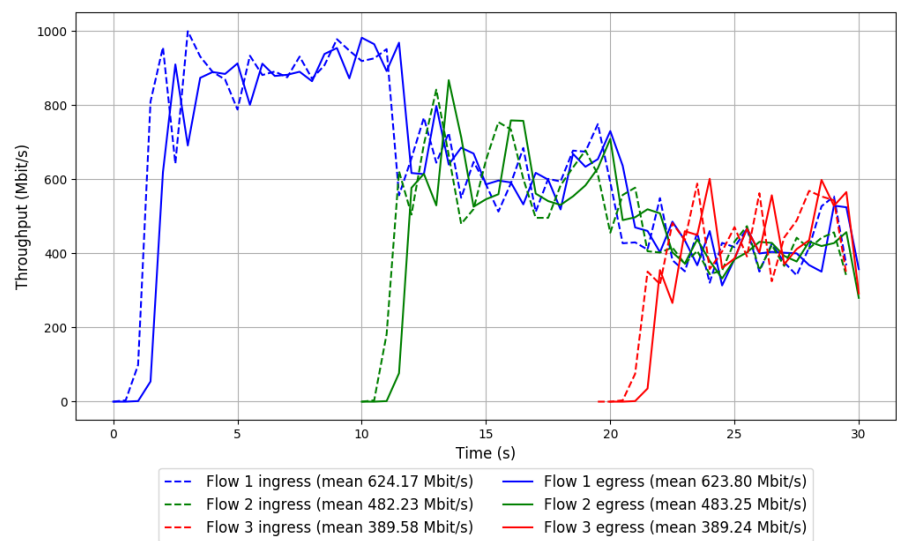
-- Flow 3:

Average throughput: 389.24 Mbit/s

95th percentile per-packet one-way delay: 121.706 ms

Loss rate: 2.12%

Run 1: Report of FillP — Data Link

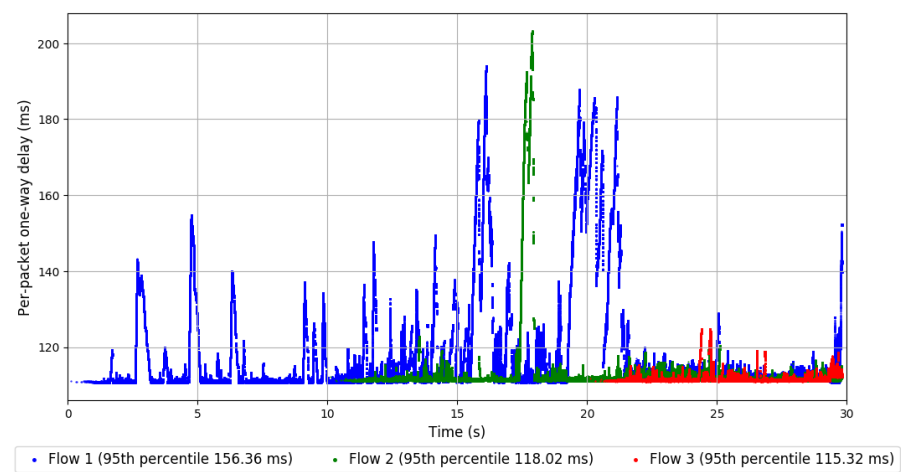
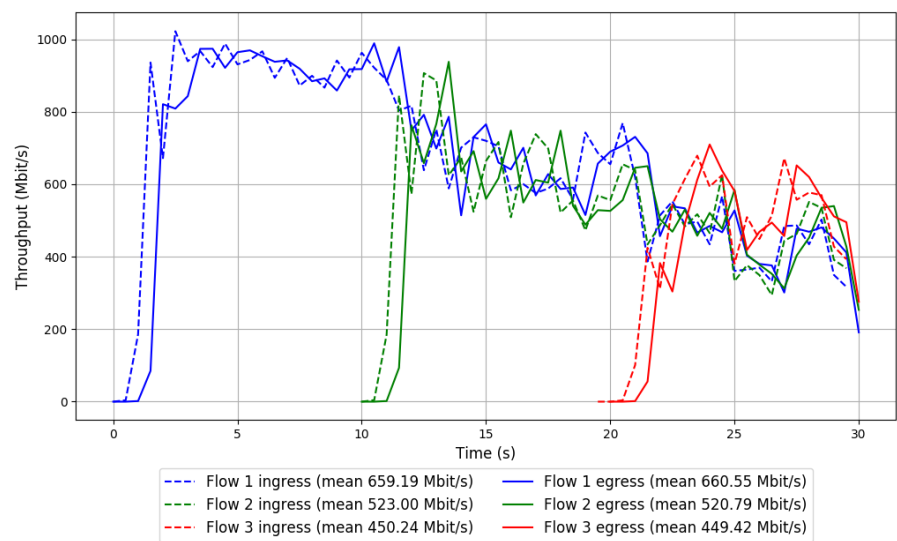


Run 2: Statistics of FillP

Start at: 2018-08-01 18:32:08
End at: 2018-08-01 18:32:38
Local clock offset: -0.42 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-01 23:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1152.89 Mbit/s
95th percentile per-packet one-way delay: 149.327 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 660.55 Mbit/s
95th percentile per-packet one-way delay: 156.356 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 520.79 Mbit/s
95th percentile per-packet one-way delay: 118.024 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 449.42 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 2.42%

Run 2: Report of FillP — Data Link

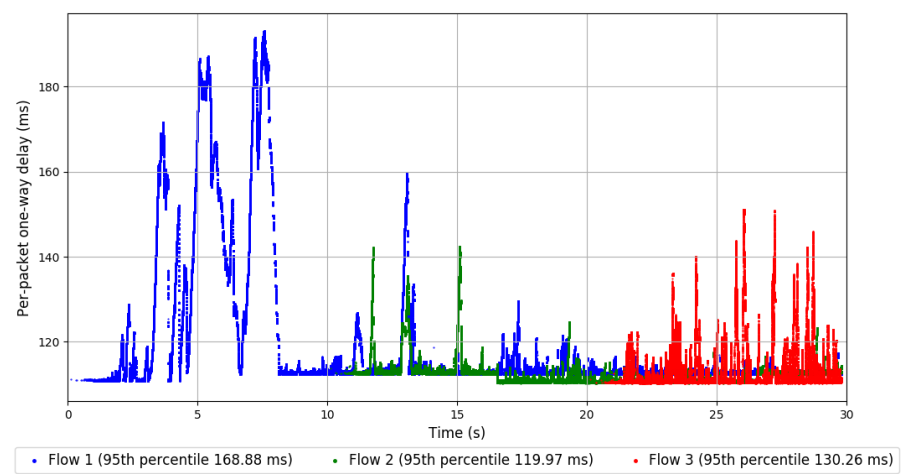
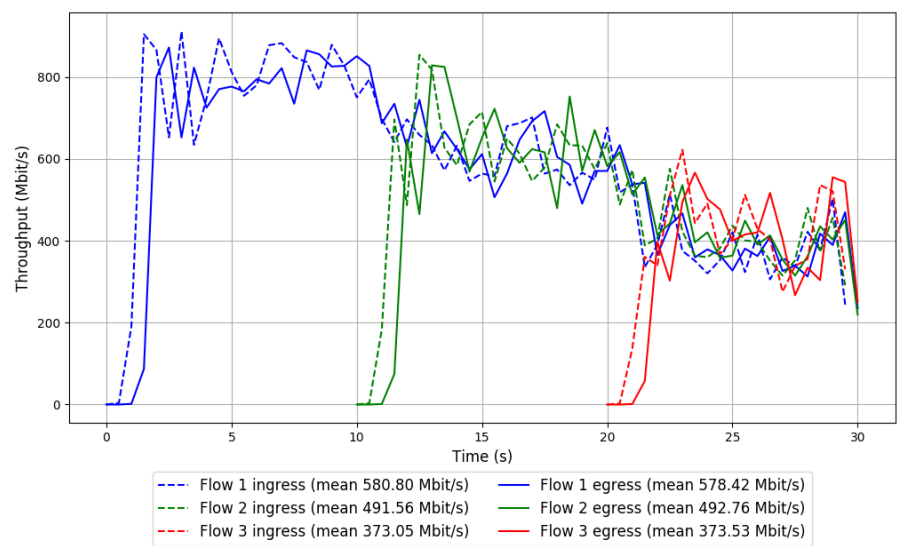


Run 3: Statistics of FillP

Start at: 2018-08-01 18:59:51
End at: 2018-08-01 19:00:21
Local clock offset: -0.362 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2018-08-01 23:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1026.55 Mbit/s
95th percentile per-packet one-way delay: 157.559 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 578.42 Mbit/s
95th percentile per-packet one-way delay: 168.882 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 492.76 Mbit/s
95th percentile per-packet one-way delay: 119.974 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 373.53 Mbit/s
95th percentile per-packet one-way delay: 130.262 ms
Loss rate: 2.32%

Run 3: Report of FillP — Data Link

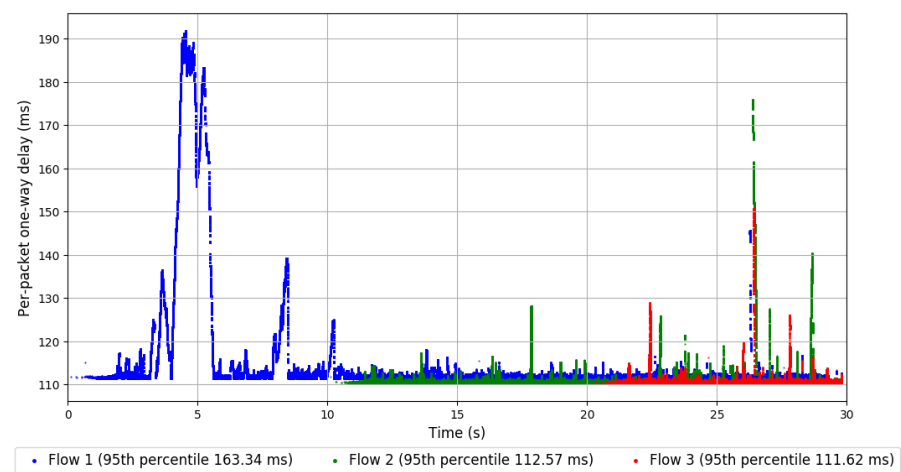
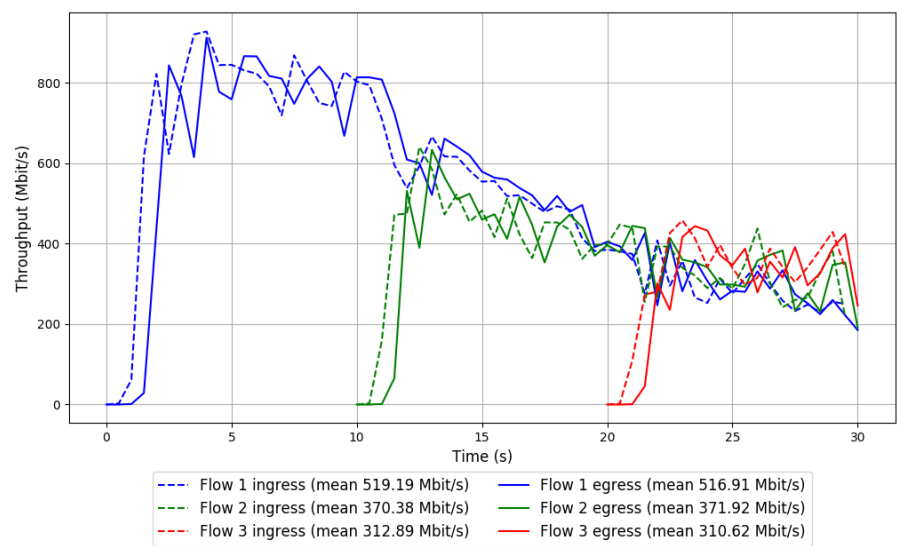


Run 4: Statistics of FillP

Start at: 2018-08-01 19:26:08
End at: 2018-08-01 19:26:38
Local clock offset: 0.049 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 23:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.59 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 516.91 Mbit/s
95th percentile per-packet one-way delay: 163.344 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 371.92 Mbit/s
95th percentile per-packet one-way delay: 112.574 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 310.62 Mbit/s
95th percentile per-packet one-way delay: 111.622 ms
Loss rate: 2.89%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 19:52:00

End at: 2018-08-01 19:52:30

Local clock offset: -1.516 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-08-01 23:06:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 974.19 Mbit/s

95th percentile per-packet one-way delay: 156.148 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 556.63 Mbit/s

95th percentile per-packet one-way delay: 169.043 ms

Loss rate: 1.46%

-- Flow 2:

Average throughput: 457.94 Mbit/s

95th percentile per-packet one-way delay: 118.387 ms

Loss rate: 0.75%

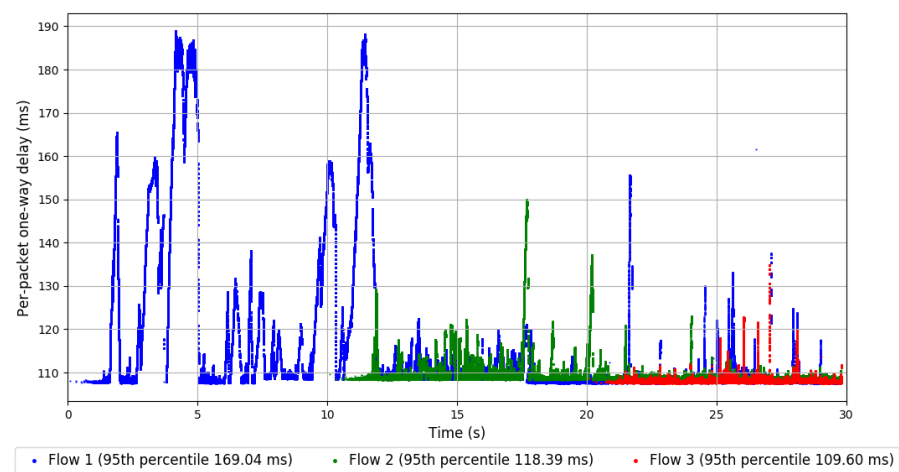
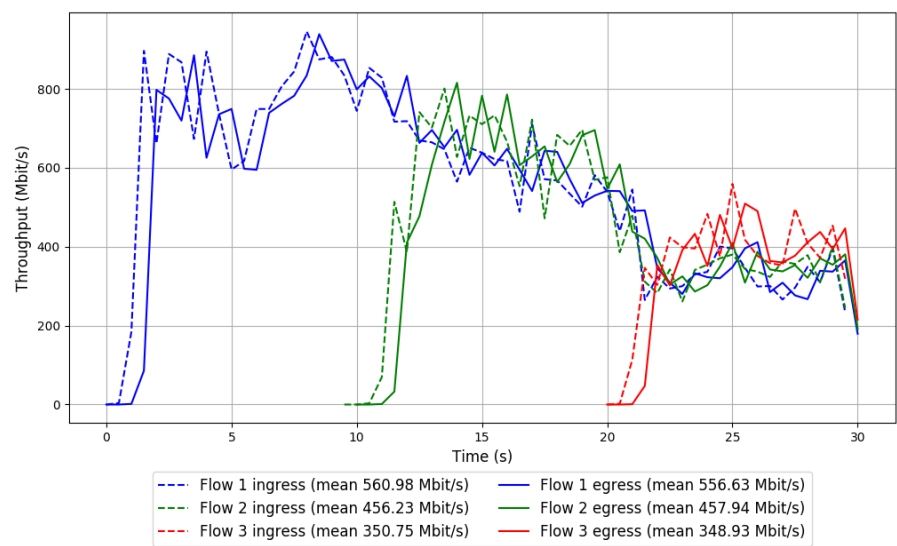
-- Flow 3:

Average throughput: 348.93 Mbit/s

95th percentile per-packet one-way delay: 109.601 ms

Loss rate: 2.78%

Run 5: Report of FillP — Data Link

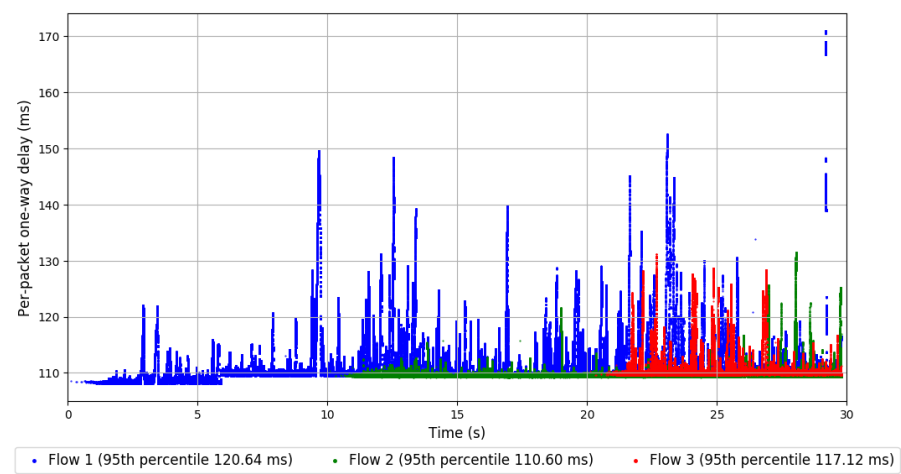
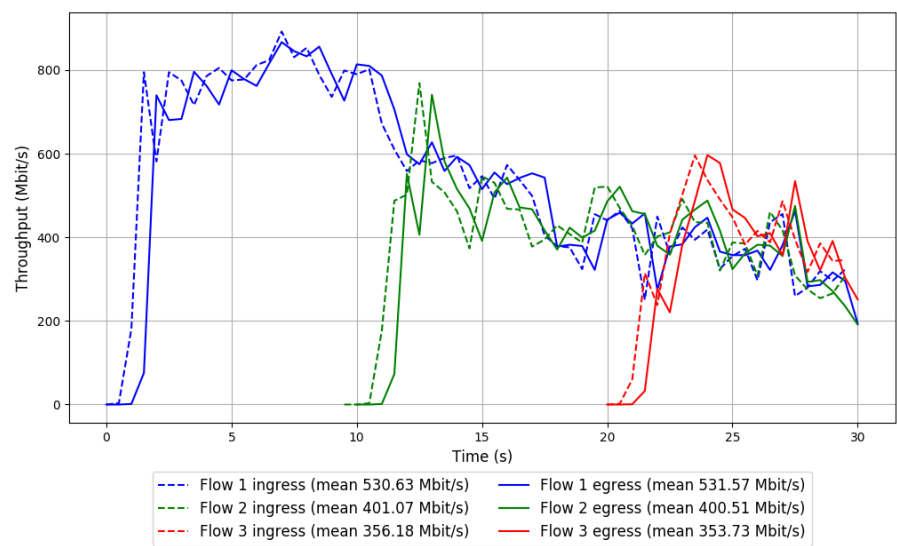


Run 6: Statistics of FillP

Start at: 2018-08-01 20:18:01
End at: 2018-08-01 20:18:31
Local clock offset: -1.289 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-08-01 23:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 912.18 Mbit/s
95th percentile per-packet one-way delay: 117.613 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 531.57 Mbit/s
95th percentile per-packet one-way delay: 120.639 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 400.51 Mbit/s
95th percentile per-packet one-way delay: 110.602 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 117.121 ms
Loss rate: 2.93%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-01 20:43:46

End at: 2018-08-01 20:44:16

Local clock offset: -1.311 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-08-01 23:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1116.56 Mbit/s

95th percentile per-packet one-way delay: 163.665 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 637.57 Mbit/s

95th percentile per-packet one-way delay: 173.841 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 503.39 Mbit/s

95th percentile per-packet one-way delay: 114.812 ms

Loss rate: 0.86%

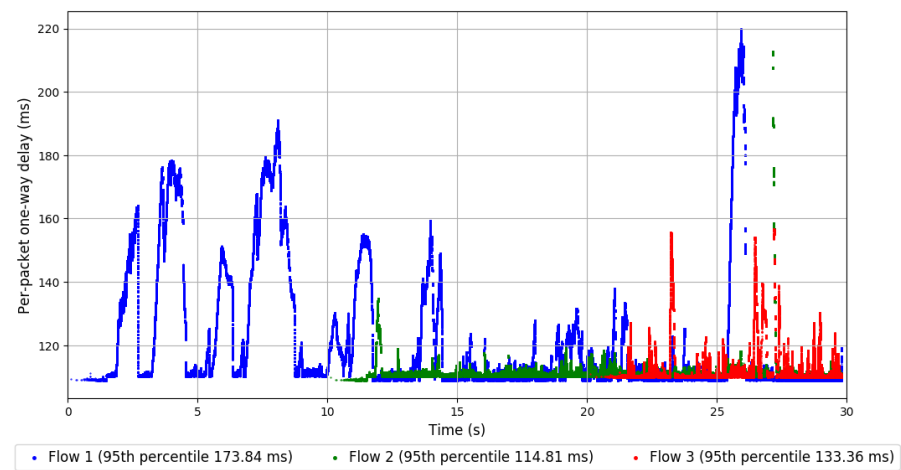
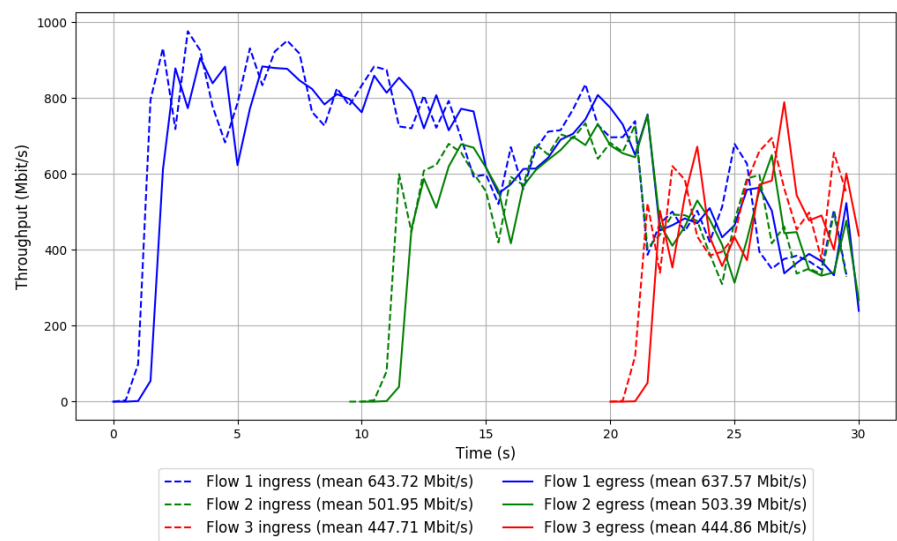
-- Flow 3:

Average throughput: 444.86 Mbit/s

95th percentile per-packet one-way delay: 133.364 ms

Loss rate: 2.92%

Run 7: Report of FillP — Data Link

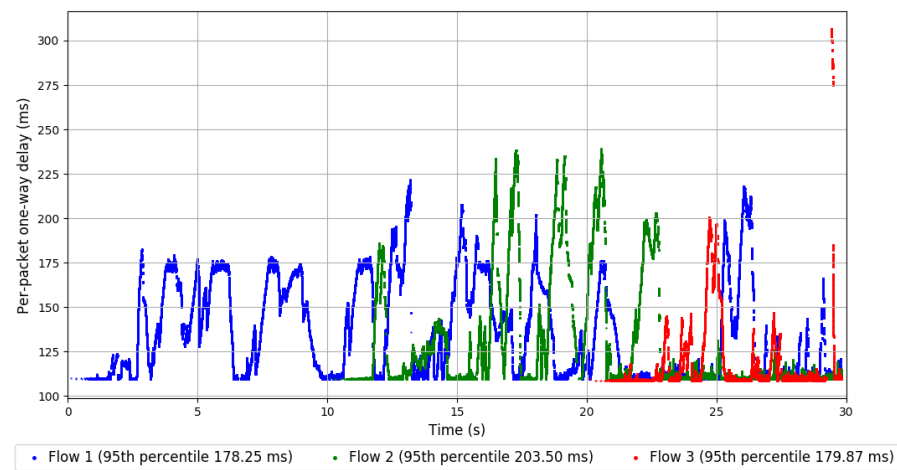
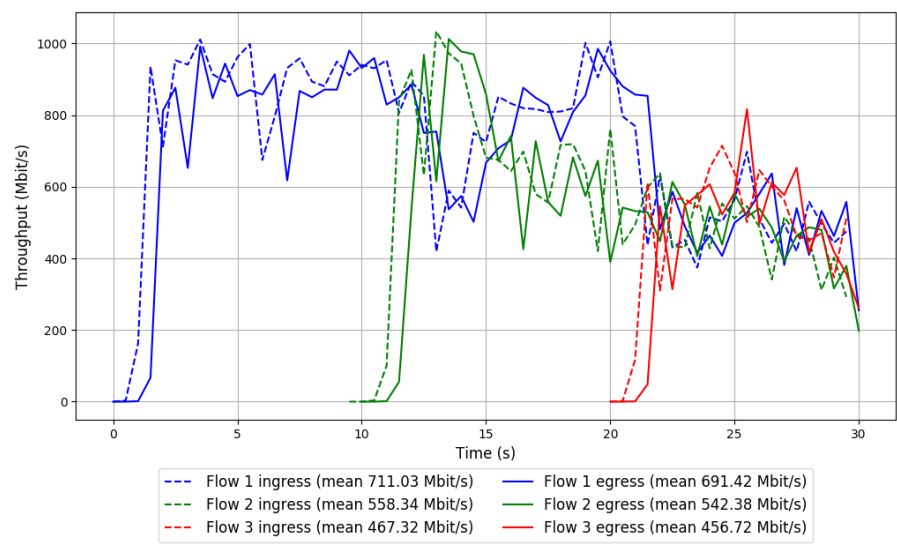


Run 8: Statistics of FillP

Start at: 2018-08-01 21:09:58
End at: 2018-08-01 21:10:28
Local clock offset: -1.427 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-01 23:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1200.61 Mbit/s
95th percentile per-packet one-way delay: 188.471 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 691.42 Mbit/s
95th percentile per-packet one-way delay: 178.245 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 542.38 Mbit/s
95th percentile per-packet one-way delay: 203.502 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 456.72 Mbit/s
95th percentile per-packet one-way delay: 179.874 ms
Loss rate: 4.43%

Run 8: Report of FillP — Data Link

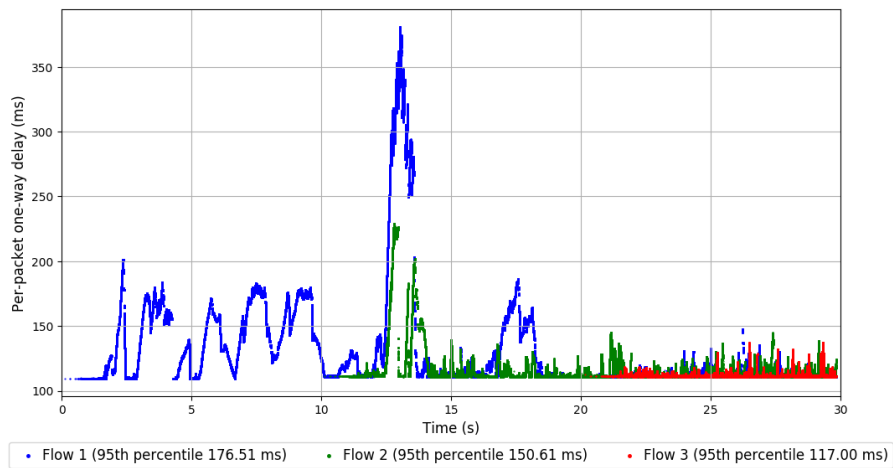
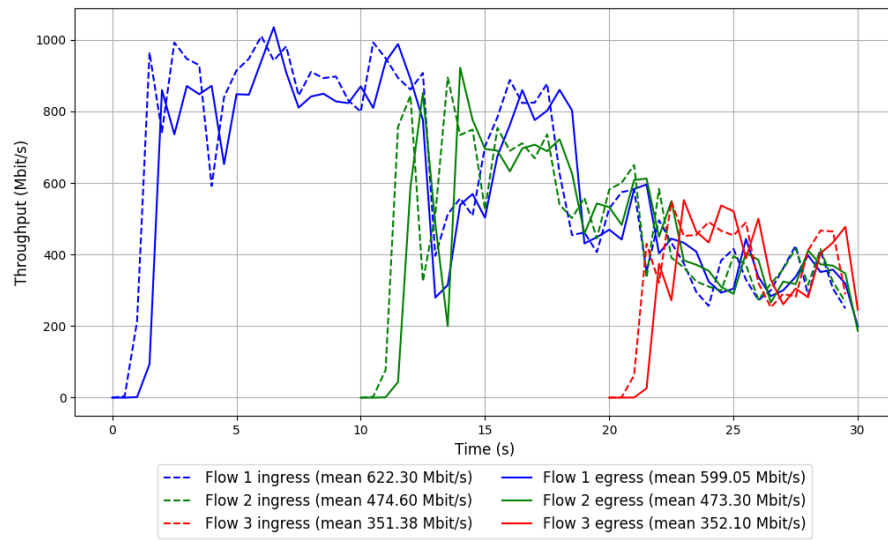


Run 9: Statistics of FillP

Start at: 2018-08-01 21:35:47
End at: 2018-08-01 21:36:17
Local clock offset: -0.016 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-01 23:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 1027.40 Mbit/s
95th percentile per-packet one-way delay: 174.389 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 599.05 Mbit/s
95th percentile per-packet one-way delay: 176.513 ms
Loss rate: 4.47%
-- Flow 2:
Average throughput: 473.30 Mbit/s
95th percentile per-packet one-way delay: 150.611 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 352.10 Mbit/s
95th percentile per-packet one-way delay: 116.995 ms
Loss rate: 2.04%

Run 9: Report of FillP — Data Link

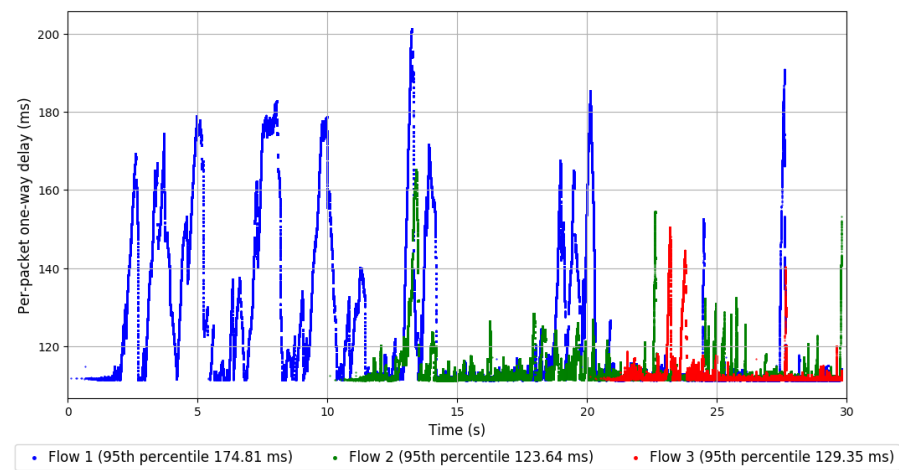
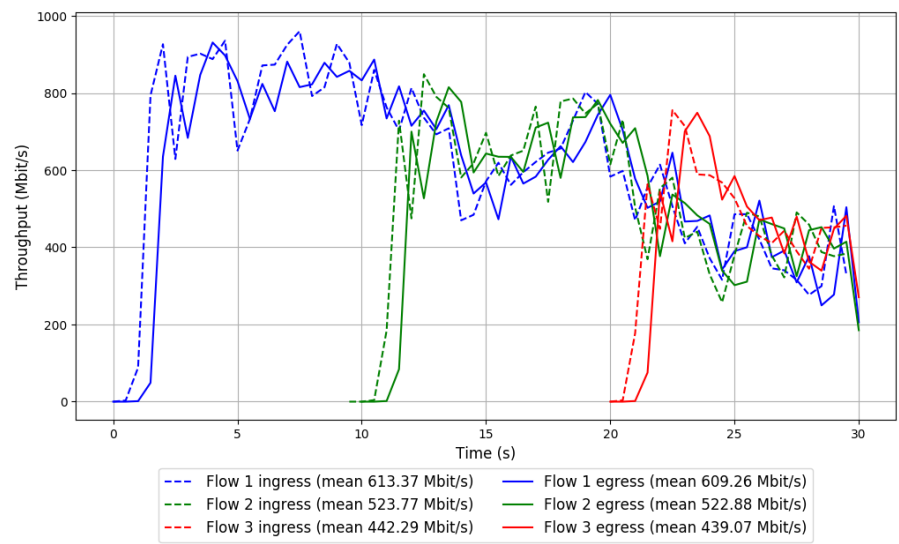


Run 10: Statistics of FillP

Start at: 2018-08-01 22:02:12
End at: 2018-08-01 22:02:42
Local clock offset: -0.092 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-08-01 23:26:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1099.57 Mbit/s
95th percentile per-packet one-way delay: 164.889 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 609.26 Mbit/s
95th percentile per-packet one-way delay: 174.810 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 522.88 Mbit/s
95th percentile per-packet one-way delay: 123.638 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 439.07 Mbit/s
95th percentile per-packet one-way delay: 129.351 ms
Loss rate: 2.98%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 17:49:03

End at: 2018-08-01 17:49:33

Local clock offset: -1.649 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-08-01 23:26:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 910.70 Mbit/s

95th percentile per-packet one-way delay: 135.706 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 557.21 Mbit/s

95th percentile per-packet one-way delay: 139.788 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 402.31 Mbit/s

95th percentile per-packet one-way delay: 113.261 ms

Loss rate: 0.79%

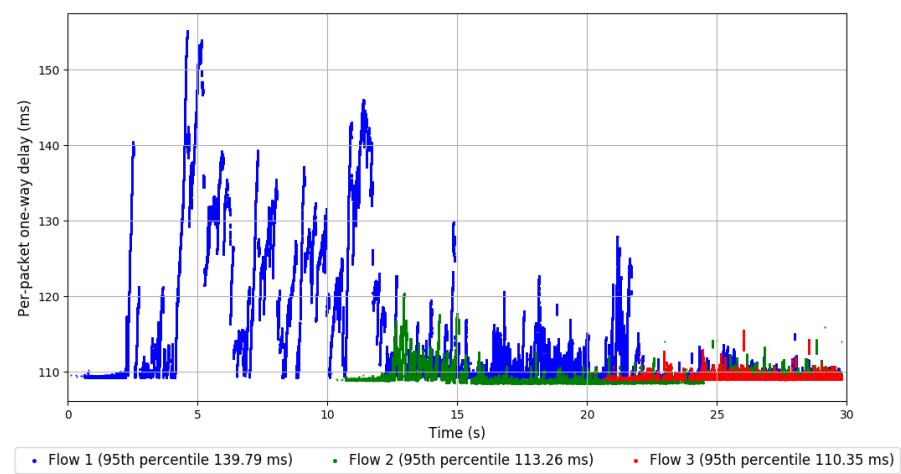
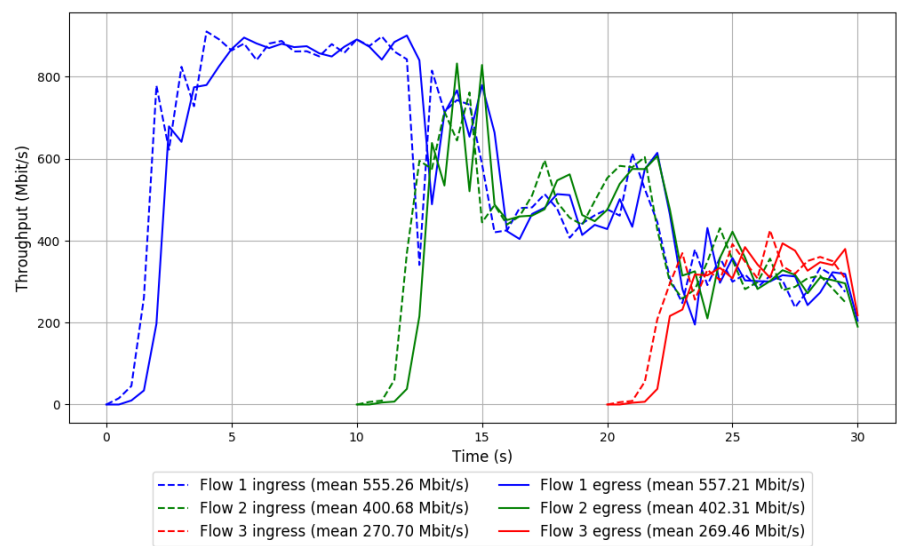
-- Flow 3:

Average throughput: 269.46 Mbit/s

95th percentile per-packet one-way delay: 110.346 ms

Loss rate: 2.67%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 18:15:01

End at: 2018-08-01 18:15:31

Local clock offset: 1.242 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-01 23:26:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 966.95 Mbit/s

95th percentile per-packet one-way delay: 137.280 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 555.61 Mbit/s

95th percentile per-packet one-way delay: 147.573 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 439.09 Mbit/s

95th percentile per-packet one-way delay: 120.210 ms

Loss rate: 0.76%

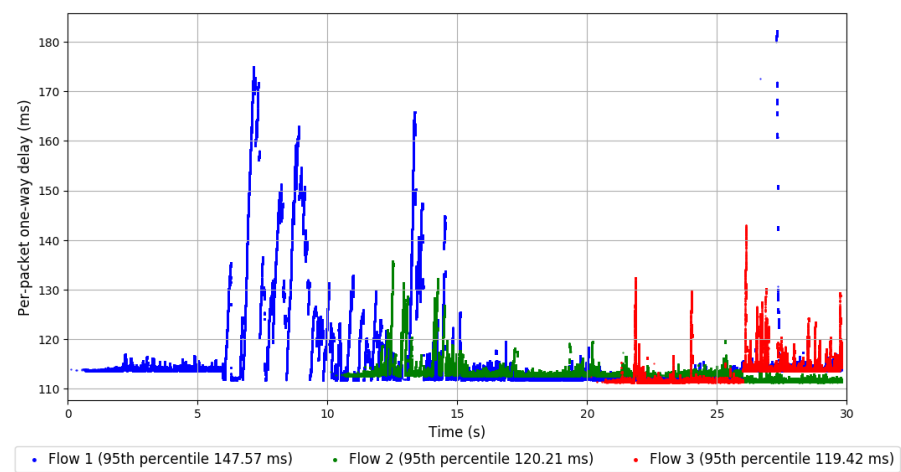
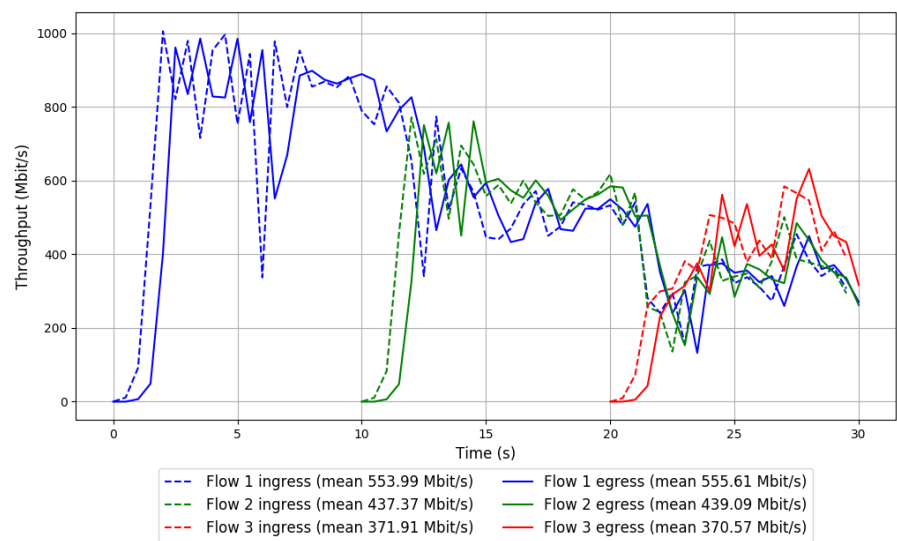
-- Flow 3:

Average throughput: 370.57 Mbit/s

95th percentile per-packet one-way delay: 119.415 ms

Loss rate: 2.64%

Run 2: Report of FillP-Sheep — Data Link

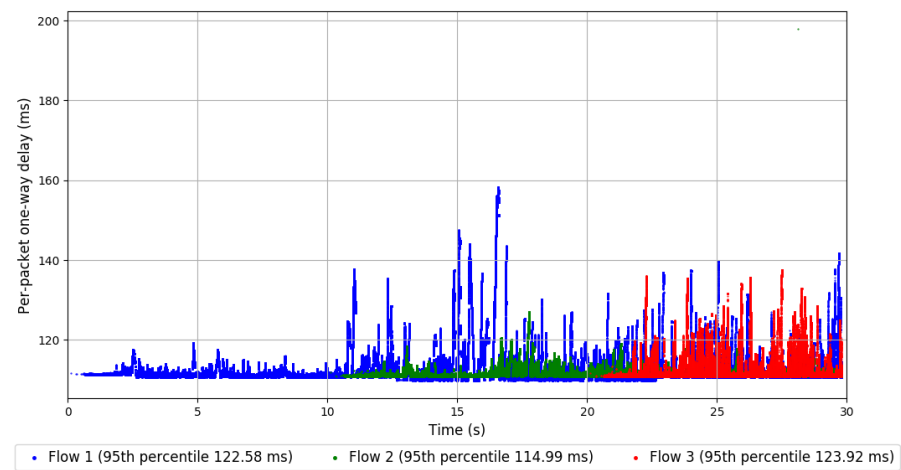
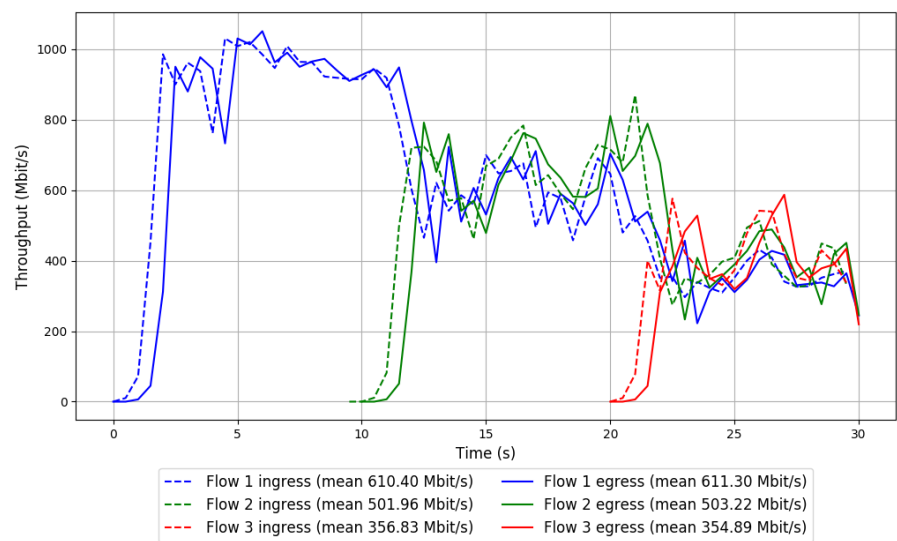


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 18:41:44
End at: 2018-08-01 18:42:14
Local clock offset: 0.006 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-01 23:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1060.75 Mbit/s
95th percentile per-packet one-way delay: 120.023 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 611.30 Mbit/s
95th percentile per-packet one-way delay: 122.578 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 503.22 Mbit/s
95th percentile per-packet one-way delay: 114.991 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 354.89 Mbit/s
95th percentile per-packet one-way delay: 123.919 ms
Loss rate: 2.80%

Run 3: Report of FillP-Sheep — Data Link

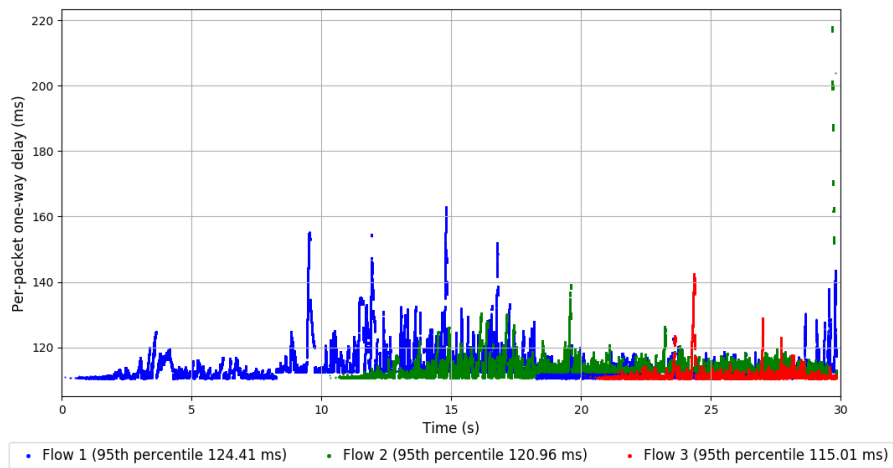
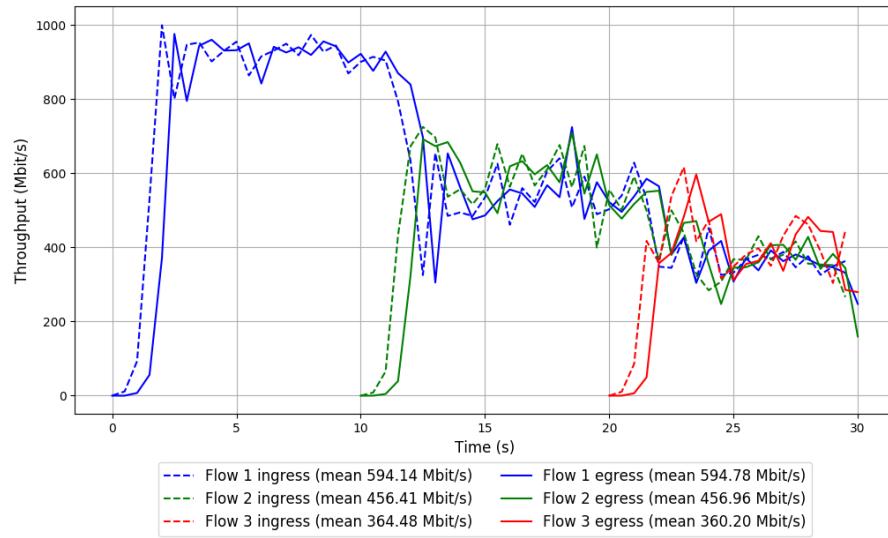


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 19:09:19
End at: 2018-08-01 19:09:49
Local clock offset: -0.204 ms
Remote clock offset: -0.518 ms

Below is generated by plot.py at 2018-08-01 23:27:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1015.15 Mbit/s
95th percentile per-packet one-way delay: 123.182 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 594.78 Mbit/s
95th percentile per-packet one-way delay: 124.405 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 456.96 Mbit/s
95th percentile per-packet one-way delay: 120.960 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 360.20 Mbit/s
95th percentile per-packet one-way delay: 115.008 ms
Loss rate: 3.37%

Run 4: Report of FillP-Sheep — Data Link

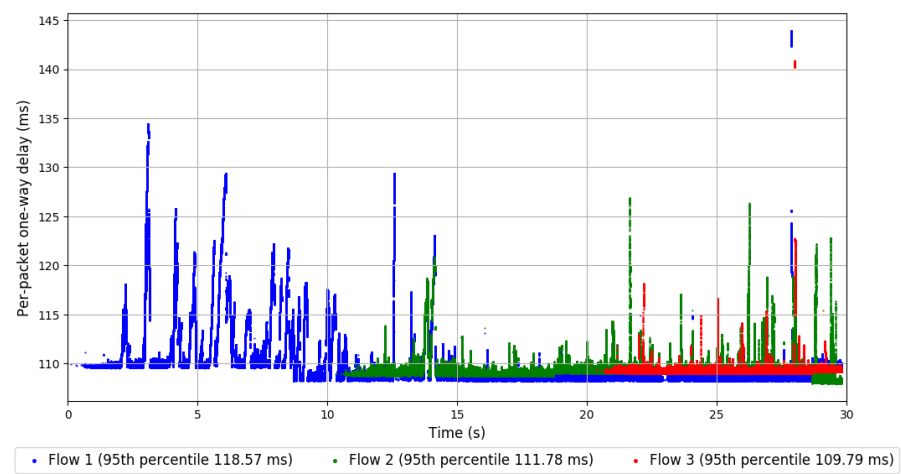
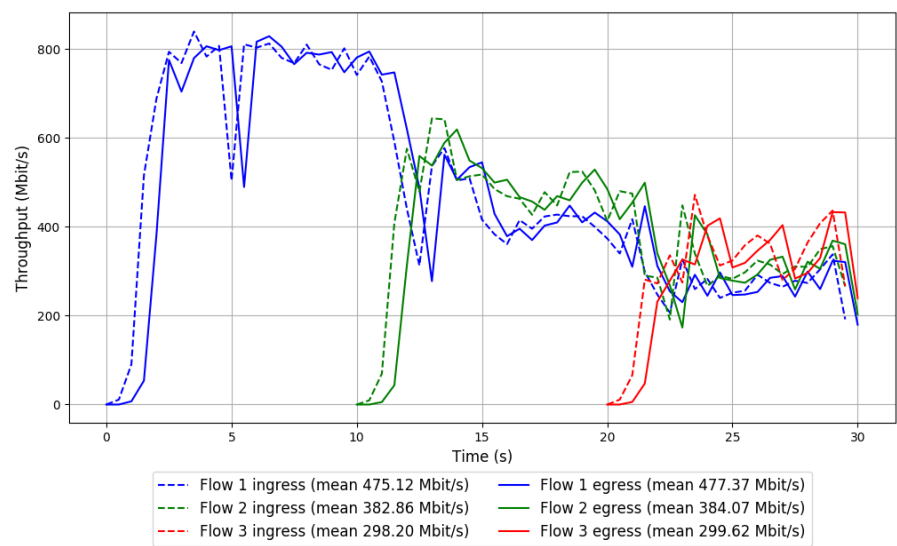


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 19:35:18
End at: 2018-08-01 19:35:48
Local clock offset: -1.374 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-01 23:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 829.37 Mbit/s
95th percentile per-packet one-way delay: 116.790 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 477.37 Mbit/s
95th percentile per-packet one-way delay: 118.566 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 384.07 Mbit/s
95th percentile per-packet one-way delay: 111.782 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 299.62 Mbit/s
95th percentile per-packet one-way delay: 109.794 ms
Loss rate: 1.78%

Run 5: Report of FillP-Sheep — Data Link

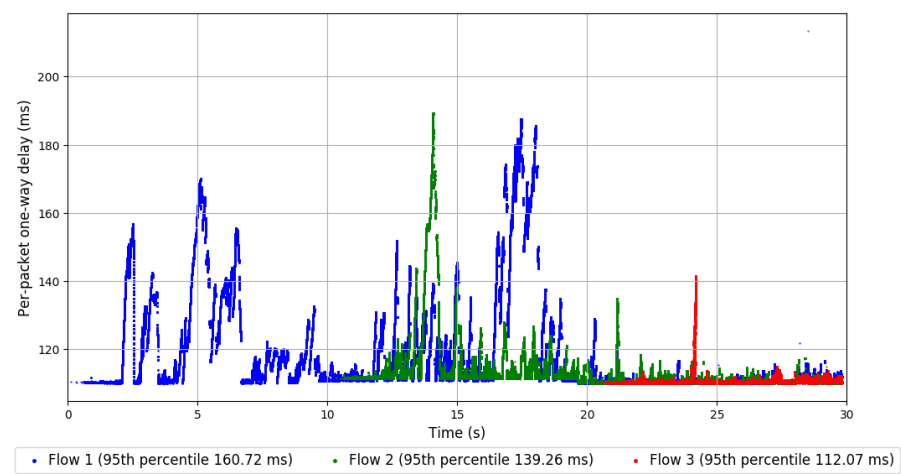
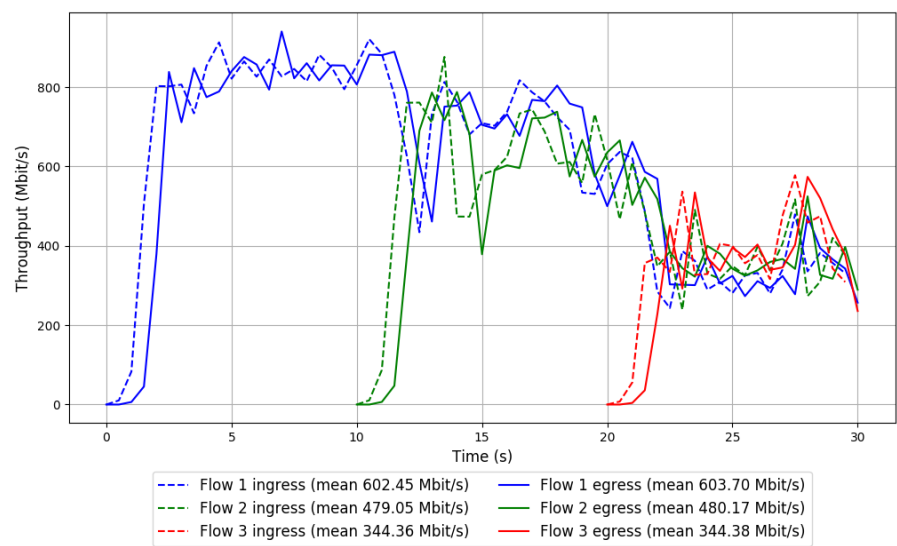


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 20:01:17
End at: 2018-08-01 20:01:47
Local clock offset: -0.421 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-08-01 23:37:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1033.88 Mbit/s
95th percentile per-packet one-way delay: 154.811 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 603.70 Mbit/s
95th percentile per-packet one-way delay: 160.723 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 480.17 Mbit/s
95th percentile per-packet one-way delay: 139.260 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 344.38 Mbit/s
95th percentile per-packet one-way delay: 112.071 ms
Loss rate: 2.23%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 20:27:12

End at: 2018-08-01 20:27:42

Local clock offset: -0.097 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-08-01 23:46:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1135.50 Mbit/s

95th percentile per-packet one-way delay: 154.719 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 663.90 Mbit/s

95th percentile per-packet one-way delay: 152.429 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 530.24 Mbit/s

95th percentile per-packet one-way delay: 158.265 ms

Loss rate: 1.07%

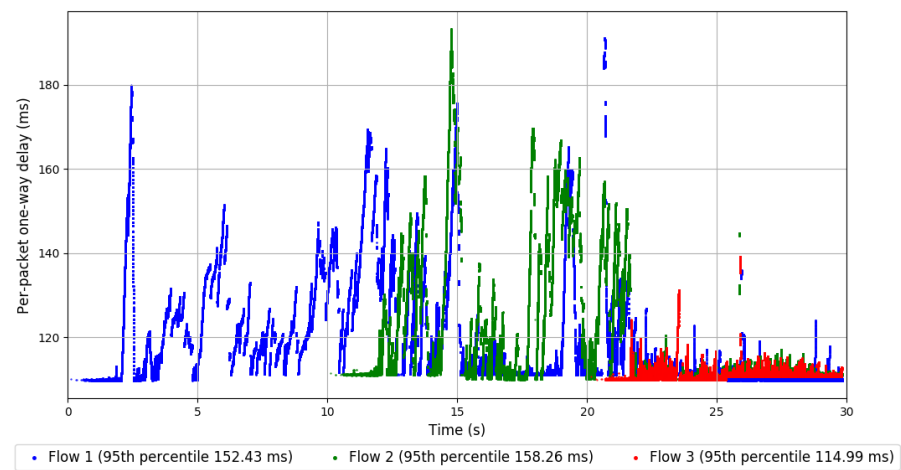
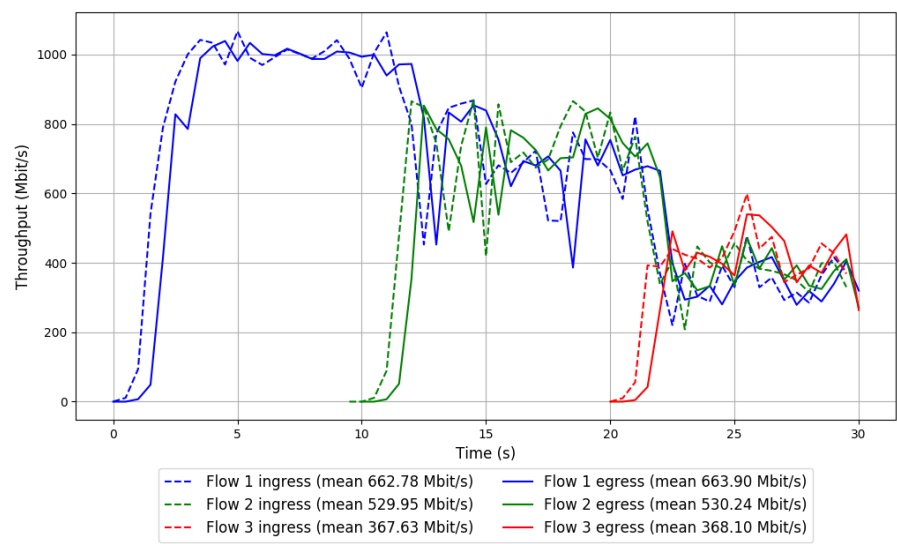
-- Flow 3:

Average throughput: 368.10 Mbit/s

95th percentile per-packet one-way delay: 114.993 ms

Loss rate: 2.17%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 20:53:01

End at: 2018-08-01 20:53:31

Local clock offset: -0.099 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-08-01 23:46:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1017.79 Mbit/s

95th percentile per-packet one-way delay: 164.686 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 606.04 Mbit/s

95th percentile per-packet one-way delay: 168.964 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 462.49 Mbit/s

95th percentile per-packet one-way delay: 147.253 ms

Loss rate: 0.71%

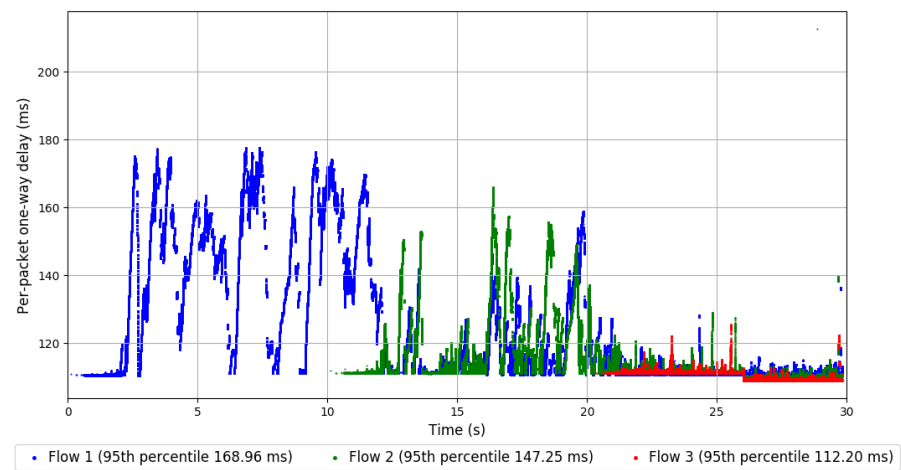
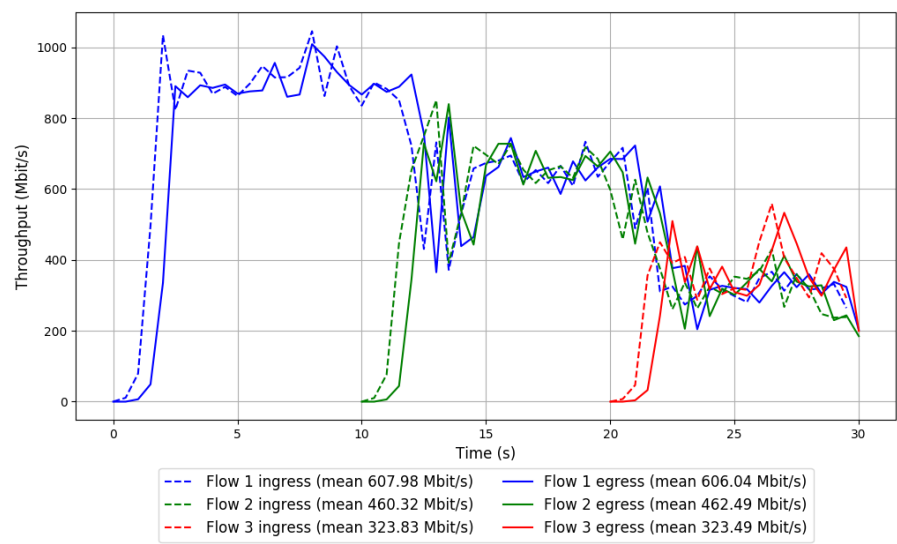
-- Flow 3:

Average throughput: 323.49 Mbit/s

95th percentile per-packet one-way delay: 112.203 ms

Loss rate: 2.27%

Run 8: Report of FillP-Sheep — Data Link

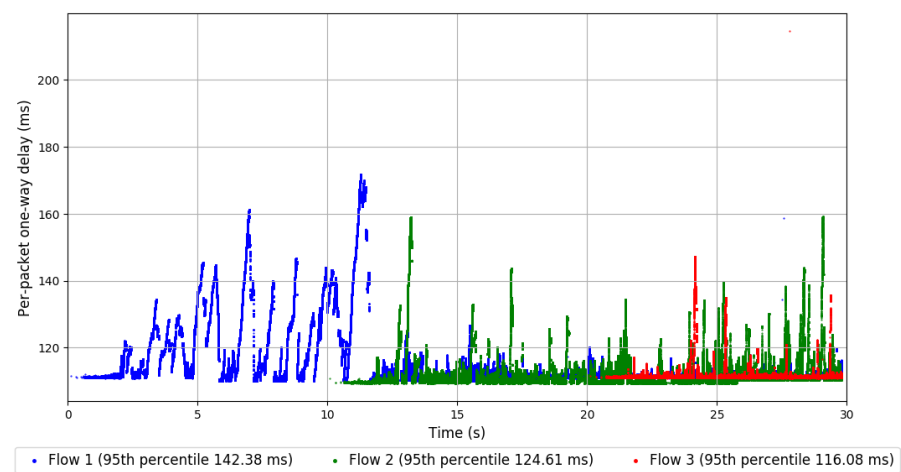
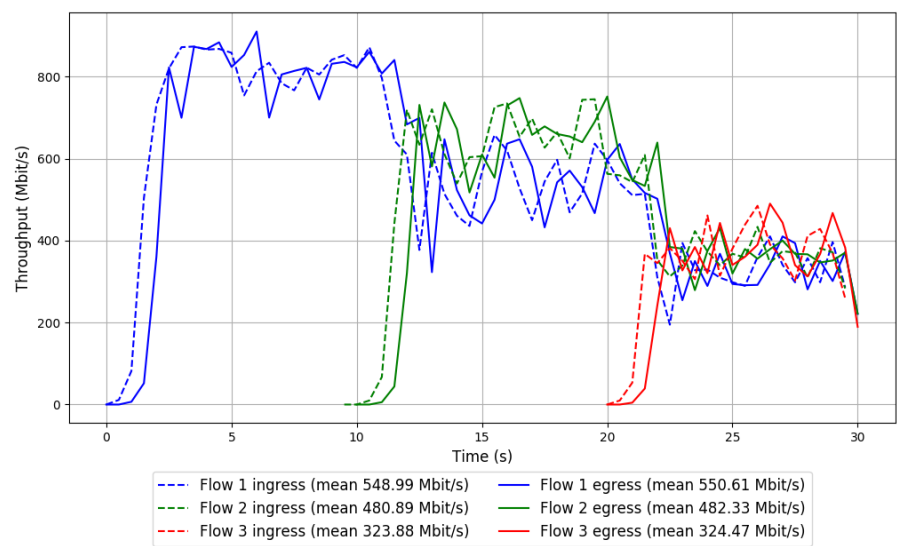


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 21:19:21
End at: 2018-08-01 21:19:51
Local clock offset: 0.018 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-01 23:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 976.36 Mbit/s
95th percentile per-packet one-way delay: 138.635 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 550.61 Mbit/s
95th percentile per-packet one-way delay: 142.384 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 482.33 Mbit/s
95th percentile per-packet one-way delay: 124.606 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 324.47 Mbit/s
95th percentile per-packet one-way delay: 116.079 ms
Loss rate: 2.14%

Run 9: Report of FillP-Sheep — Data Link

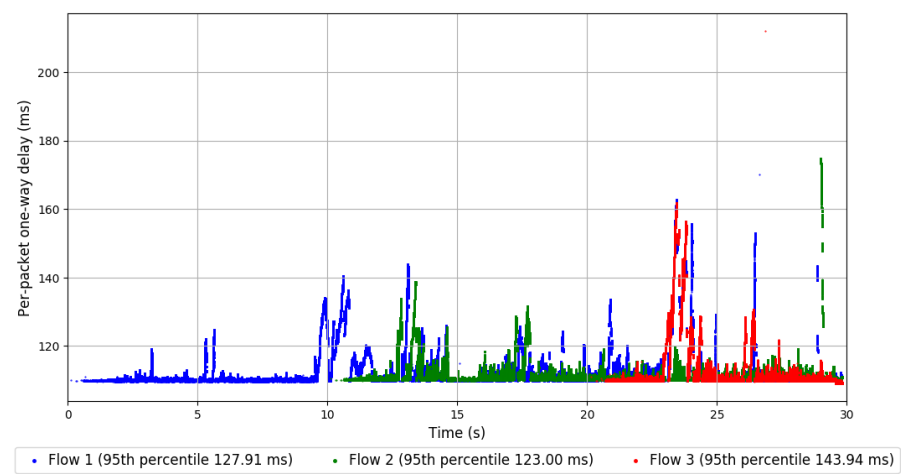
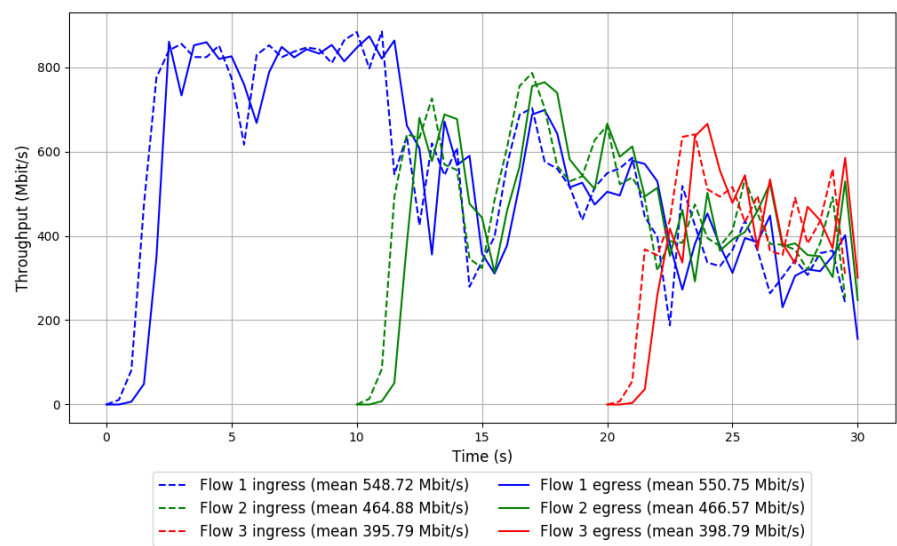


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 21:45:08
End at: 2018-08-01 21:45:38
Local clock offset: -1.457 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 989.81 Mbit/s
95th percentile per-packet one-way delay: 127.518 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 550.75 Mbit/s
95th percentile per-packet one-way delay: 127.913 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 466.57 Mbit/s
95th percentile per-packet one-way delay: 123.000 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 398.79 Mbit/s
95th percentile per-packet one-way delay: 143.939 ms
Loss rate: 1.53%

Run 10: Report of FillP-Sheep — Data Link

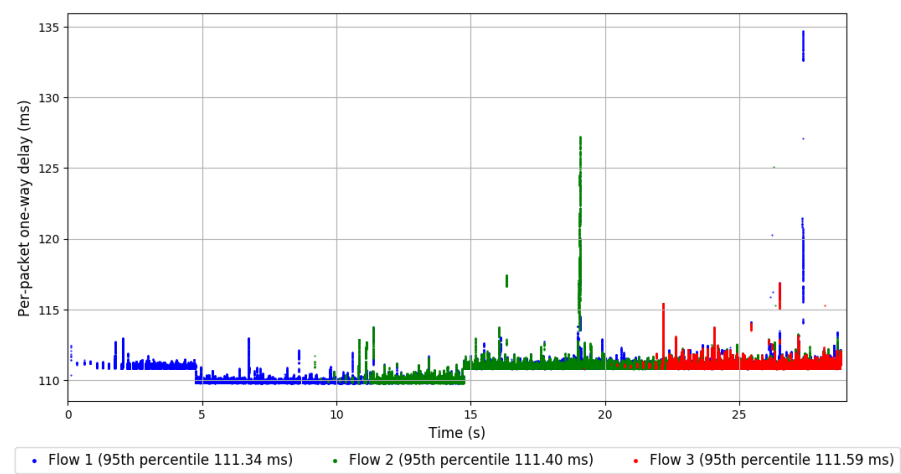
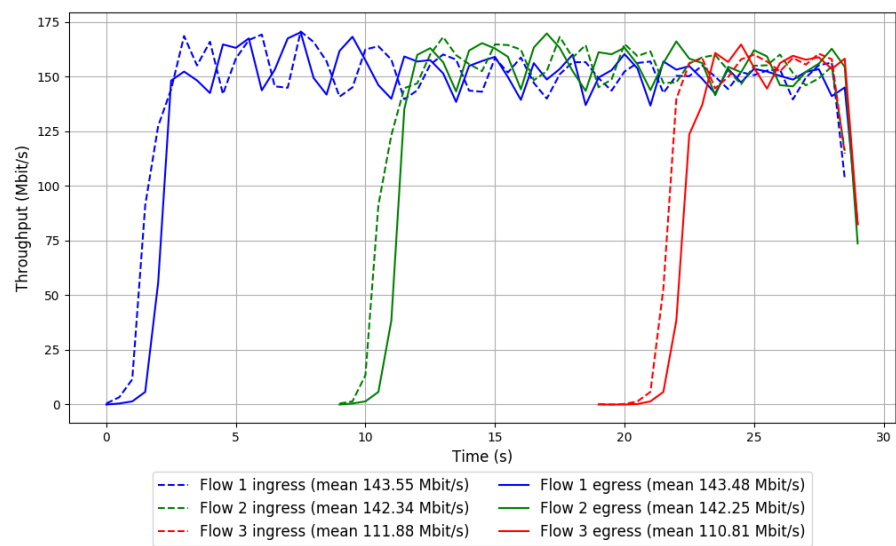


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 18:10:21
End at: 2018-08-01 18:10:51
Local clock offset: -0.329 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-08-01 23:47:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 277.64 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 143.48 Mbit/s
95th percentile per-packet one-way delay: 111.338 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 142.25 Mbit/s
95th percentile per-packet one-way delay: 111.403 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 110.81 Mbit/s
95th percentile per-packet one-way delay: 111.594 ms
Loss rate: 3.22%
```

Run 1: Report of Indigo — Data Link

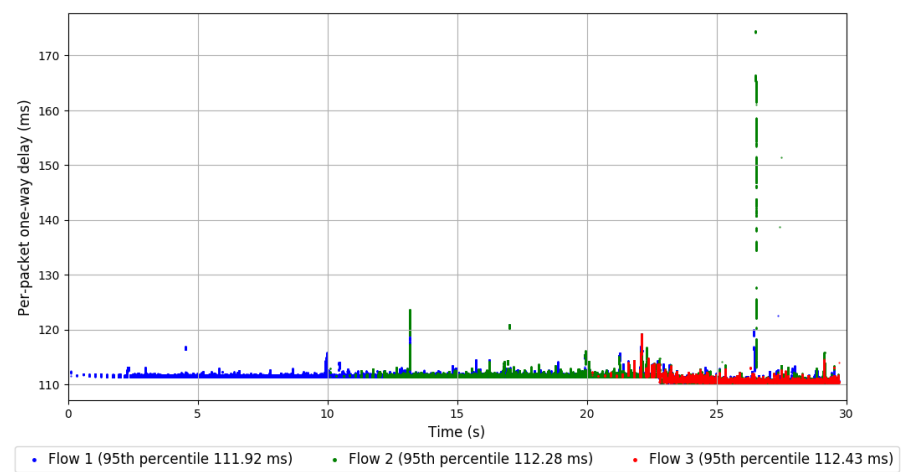
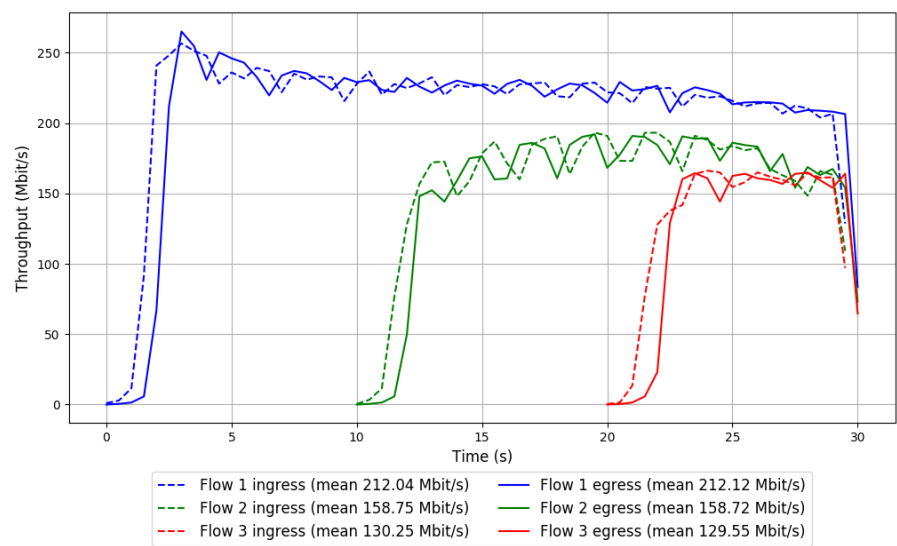


Run 2: Statistics of Indigo

Start at: 2018-08-01 18:36:44
End at: 2018-08-01 18:37:14
Local clock offset: -0.103 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.72 Mbit/s
95th percentile per-packet one-way delay: 112.077 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 212.12 Mbit/s
95th percentile per-packet one-way delay: 111.923 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 158.72 Mbit/s
95th percentile per-packet one-way delay: 112.276 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 129.55 Mbit/s
95th percentile per-packet one-way delay: 112.434 ms
Loss rate: 2.79%

Run 2: Report of Indigo — Data Link

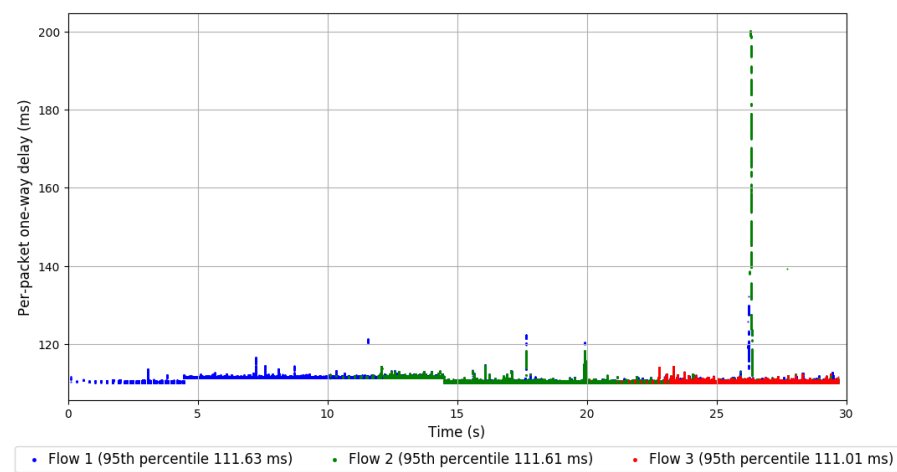
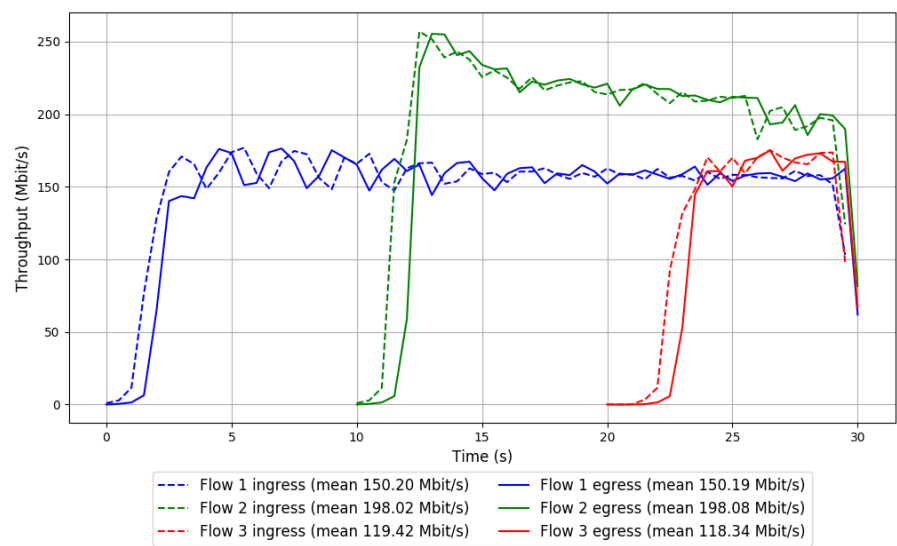


Run 3: Statistics of Indigo

Start at: 2018-08-01 19:04:22
End at: 2018-08-01 19:04:52
Local clock offset: -0.092 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.61 Mbit/s
95th percentile per-packet one-way delay: 111.608 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 150.19 Mbit/s
95th percentile per-packet one-way delay: 111.628 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 198.08 Mbit/s
95th percentile per-packet one-way delay: 111.607 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 118.34 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 3.15%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 19:30:33

End at: 2018-08-01 19:31:03

Local clock offset: -0.021 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-01 23:47:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.58 Mbit/s

95th percentile per-packet one-way delay: 110.996 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 149.46 Mbit/s

95th percentile per-packet one-way delay: 110.867 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 195.13 Mbit/s

95th percentile per-packet one-way delay: 110.869 ms

Loss rate: 1.16%

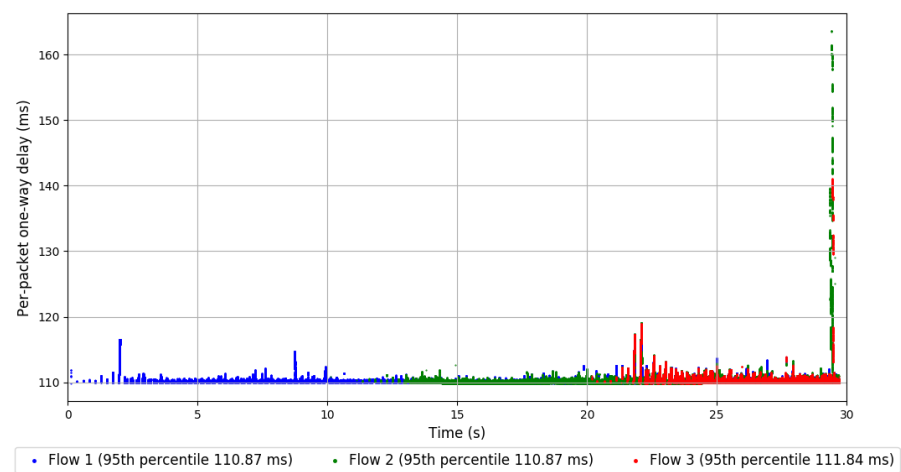
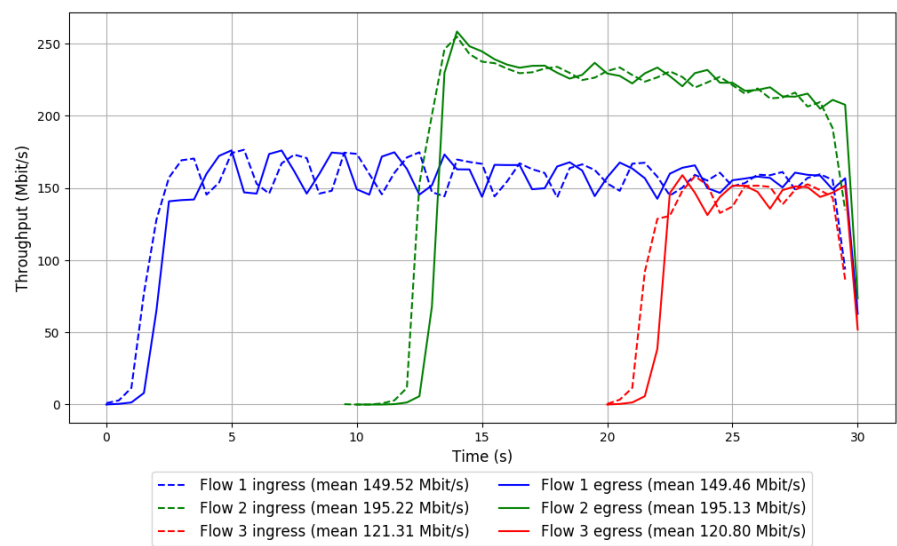
-- Flow 3:

Average throughput: 120.80 Mbit/s

95th percentile per-packet one-way delay: 111.840 ms

Loss rate: 2.68%

Run 4: Report of Indigo — Data Link

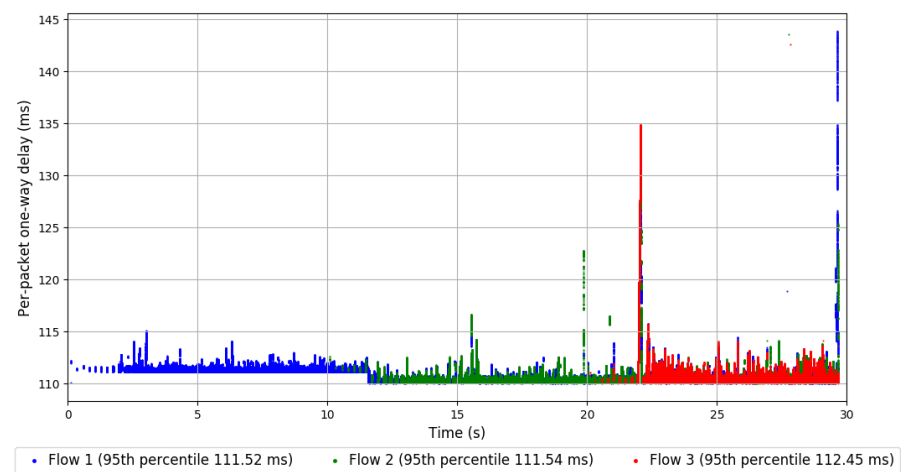
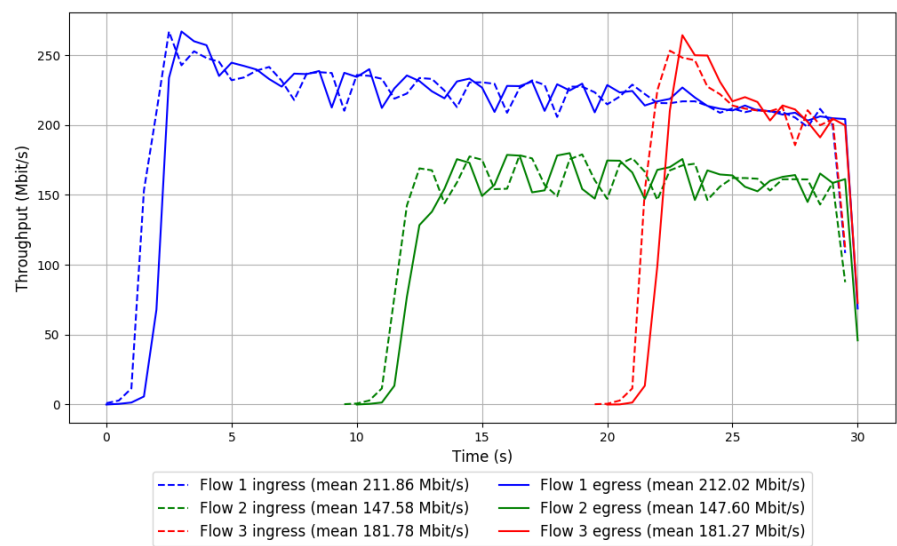


Run 5: Statistics of Indigo

Start at: 2018-08-01 19:56:25
End at: 2018-08-01 19:56:55
Local clock offset: -0.258 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.44 Mbit/s
95th percentile per-packet one-way delay: 111.595 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 212.02 Mbit/s
95th percentile per-packet one-way delay: 111.519 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 147.60 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 181.27 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 2.53%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 20:22:27

End at: 2018-08-01 20:22:57

Local clock offset: -0.176 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-08-01 23:47:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.16 Mbit/s

95th percentile per-packet one-way delay: 112.131 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 151.92 Mbit/s

95th percentile per-packet one-way delay: 111.794 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 148.69 Mbit/s

95th percentile per-packet one-way delay: 112.174 ms

Loss rate: 1.21%

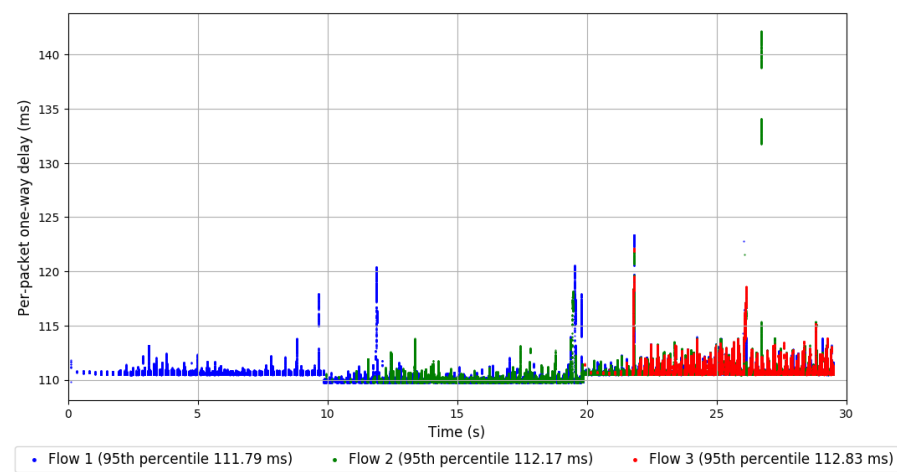
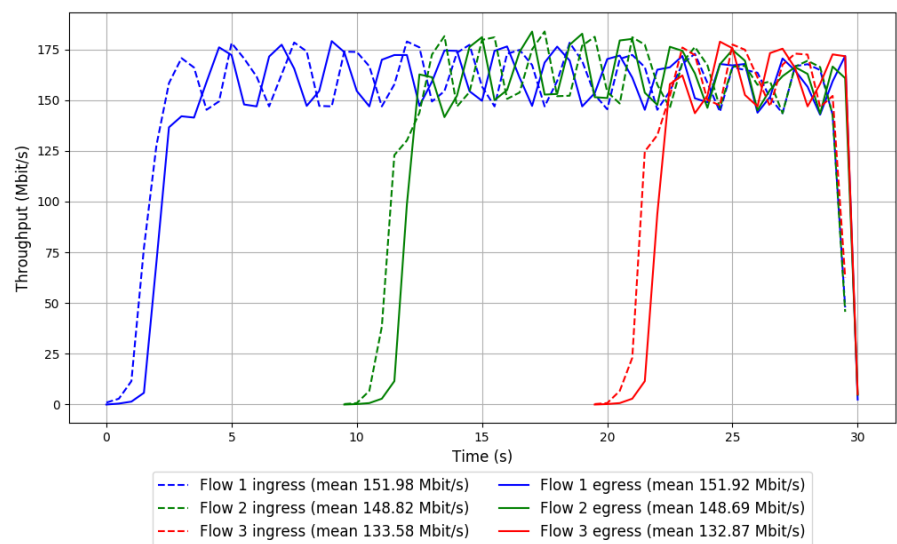
-- Flow 3:

Average throughput: 132.87 Mbit/s

95th percentile per-packet one-way delay: 112.832 ms

Loss rate: 2.77%

Run 6: Report of Indigo — Data Link

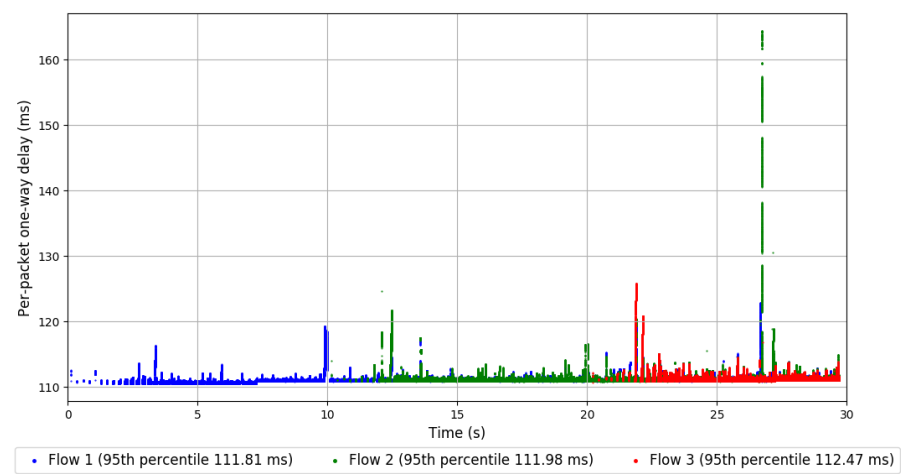
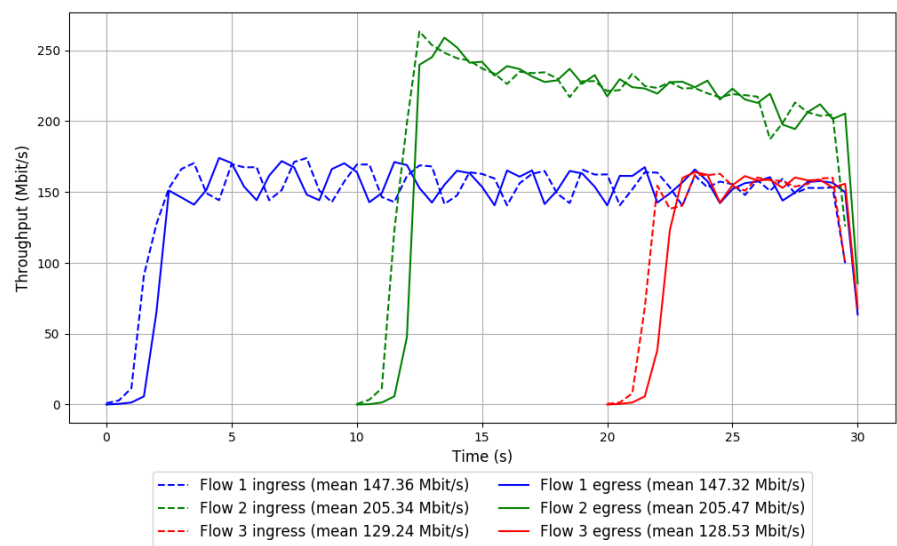


Run 7: Statistics of Indigo

Start at: 2018-08-01 20:48:20
End at: 2018-08-01 20:48:50
Local clock offset: -0.406 ms
Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.29 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 147.32 Mbit/s
95th percentile per-packet one-way delay: 111.813 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 205.47 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 128.53 Mbit/s
95th percentile per-packet one-way delay: 112.473 ms
Loss rate: 2.81%

Run 7: Report of Indigo — Data Link

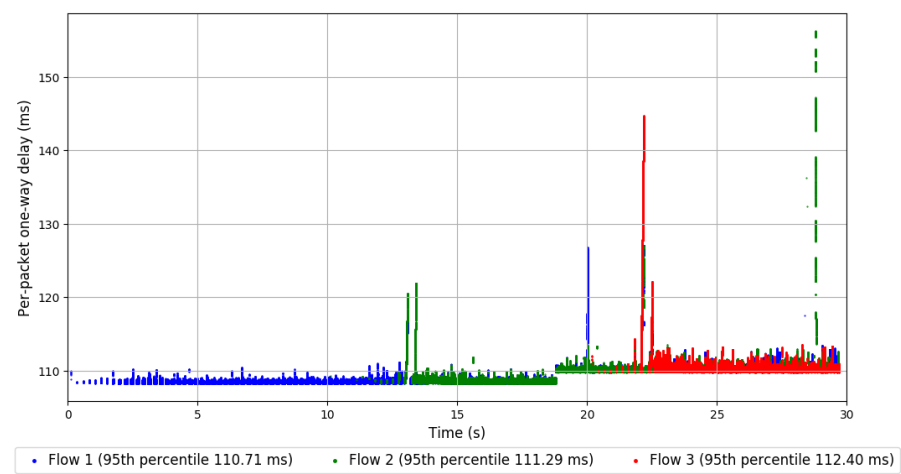
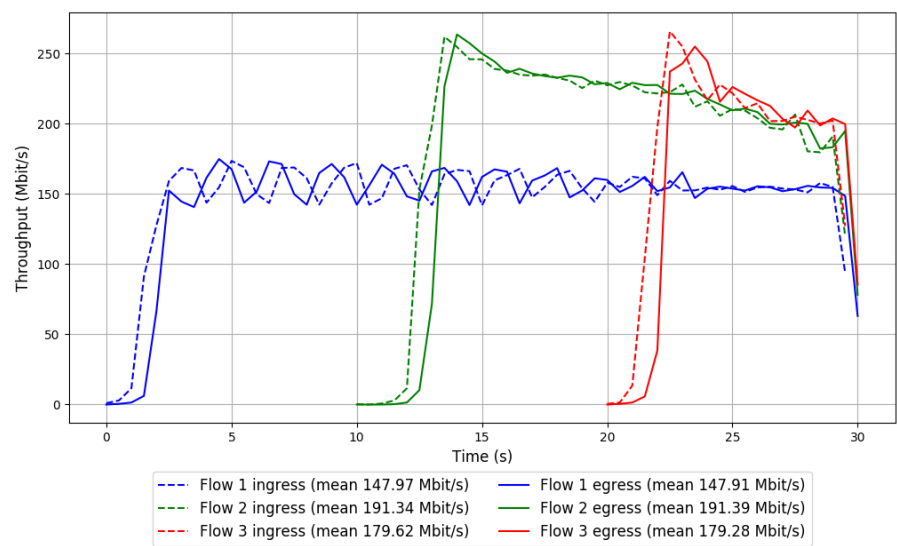


Run 8: Statistics of Indigo

Start at: 2018-08-01 21:14:38
End at: 2018-08-01 21:15:08
Local clock offset: -1.132 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.27 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 147.91 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 191.39 Mbit/s
95th percentile per-packet one-way delay: 111.289 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 179.28 Mbit/s
95th percentile per-packet one-way delay: 112.401 ms
Loss rate: 2.49%

Run 8: Report of Indigo — Data Link

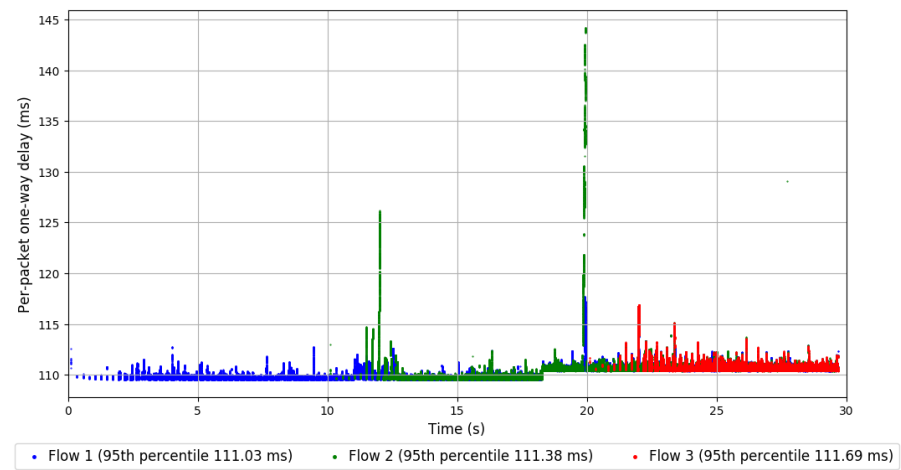
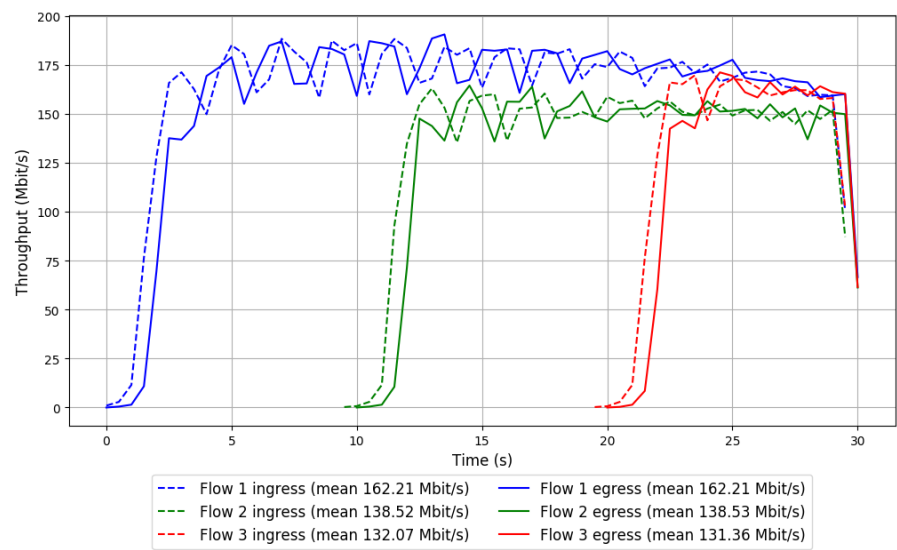


Run 9: Statistics of Indigo

Start at: 2018-08-01 21:40:19
End at: 2018-08-01 21:40:49
Local clock offset: -0.221 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.52 Mbit/s
95th percentile per-packet one-way delay: 111.255 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 162.21 Mbit/s
95th percentile per-packet one-way delay: 111.026 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 138.53 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 131.36 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 2.79%

Run 9: Report of Indigo — Data Link

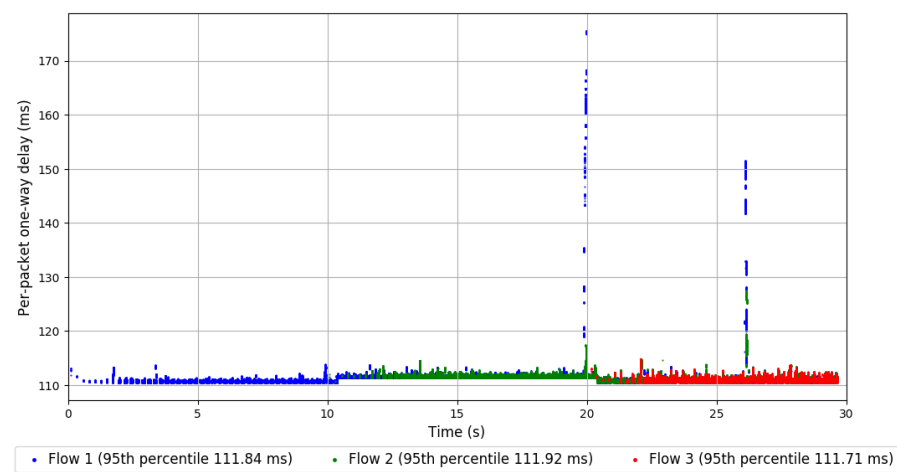
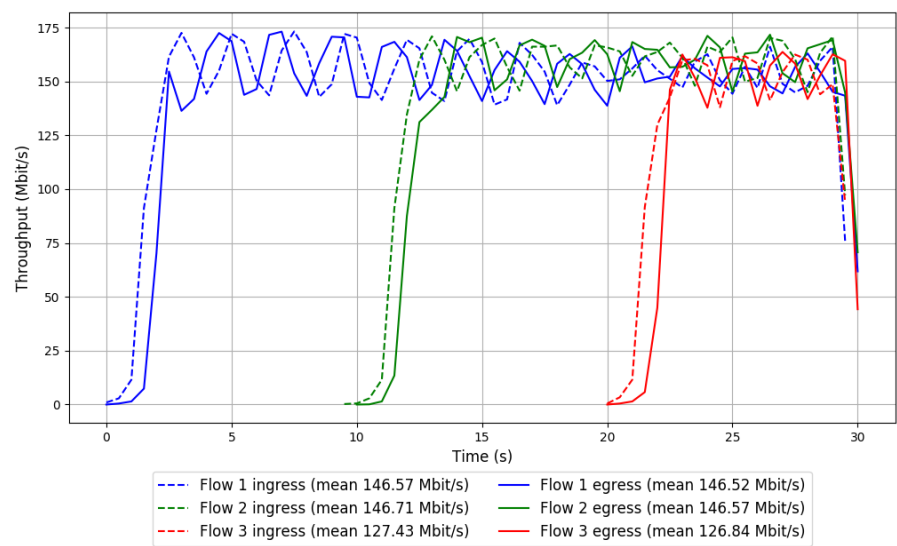


Run 10: Statistics of Indigo

Start at: 2018-08-01 22:06:47
End at: 2018-08-01 22:07:17
Local clock offset: -0.205 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.44 Mbit/s
95th percentile per-packet one-way delay: 111.863 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 146.52 Mbit/s
95th percentile per-packet one-way delay: 111.836 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 146.57 Mbit/s
95th percentile per-packet one-way delay: 111.923 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 2.75%

Run 10: Report of Indigo — Data Link

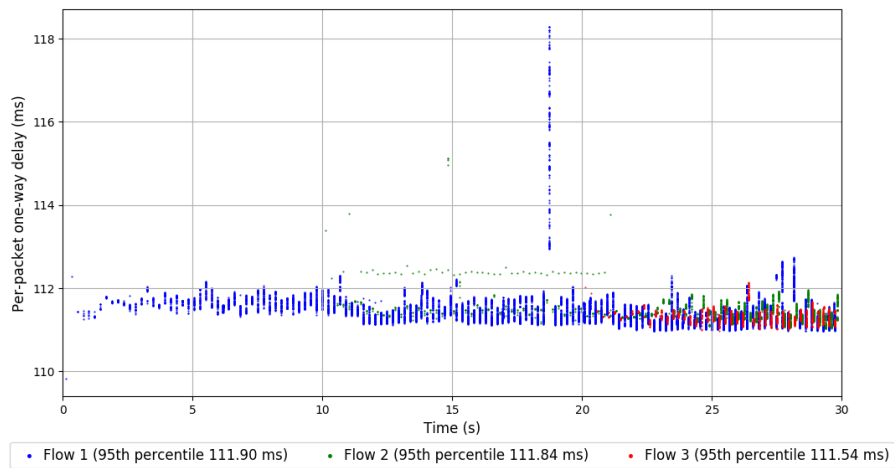
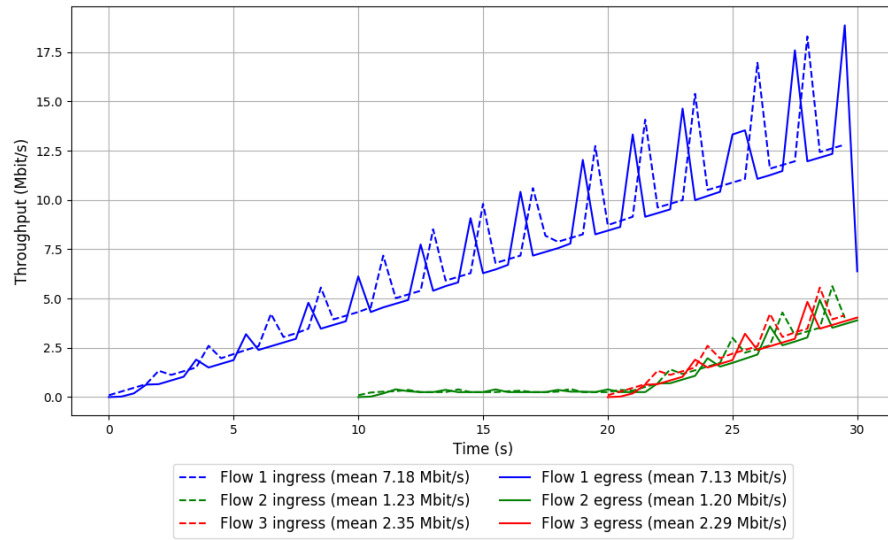


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 17:55:36
End at: 2018-08-01 17:56:06
Local clock offset: -0.191 ms
Remote clock offset: -0.288 ms

# Below is generated by plot.py at 2018-08-01 23:47:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 111.875 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 111.904 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 111.840 ms
Loss rate: 4.15%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 111.539 ms
Loss rate: 4.57%
```


Run 1: Report of LEDBAT — Data Link

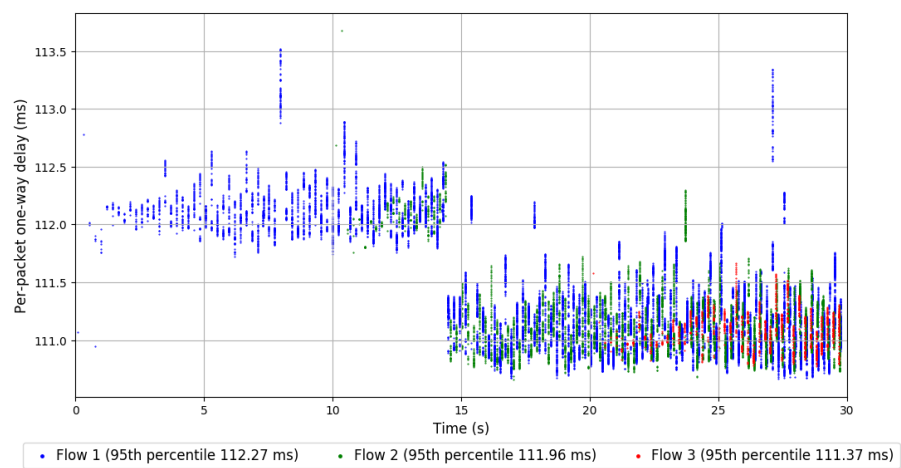
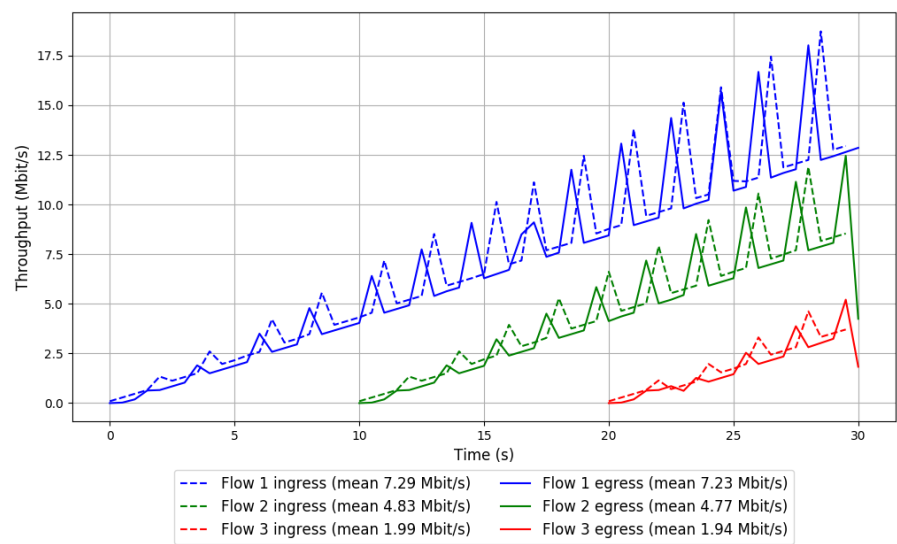


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 18:21:43
End at: 2018-08-01 18:22:13
Local clock offset: 0.185 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.266 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 111.963 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 111.374 ms
Loss rate: 4.82%

Run 2: Report of LEDBAT — Data Link

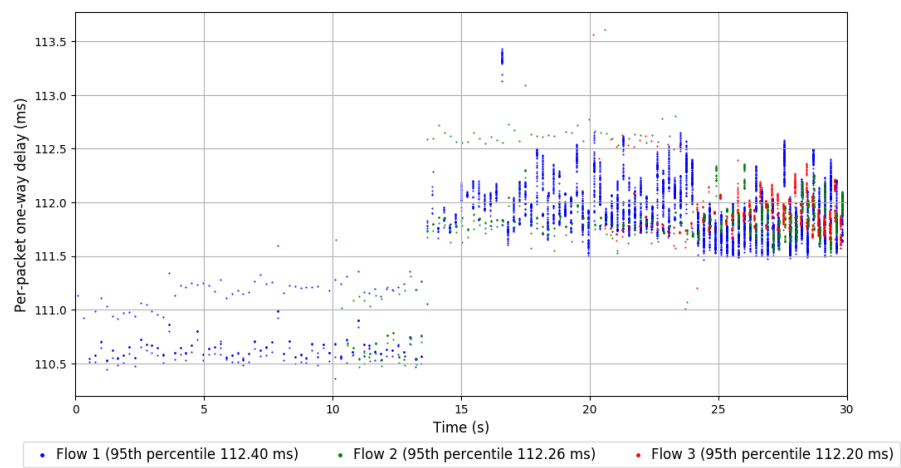
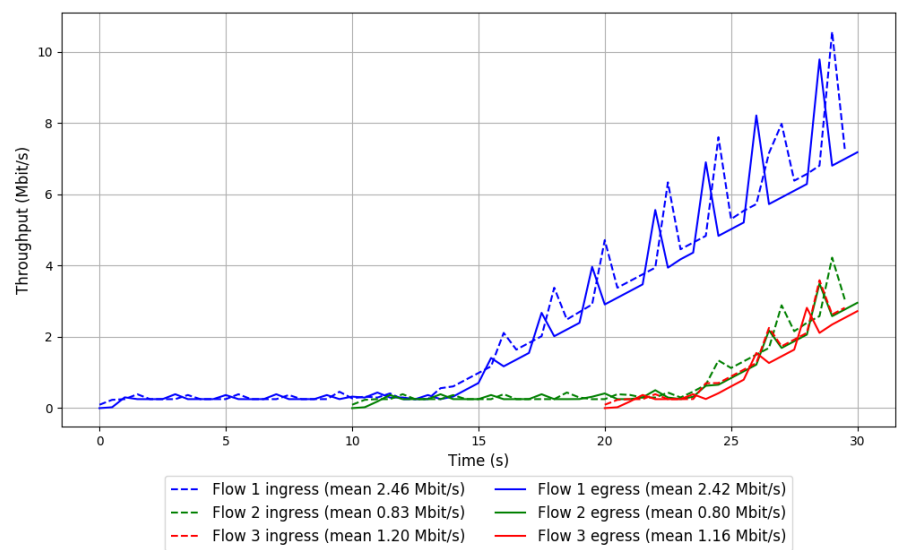


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 18:49:04
End at: 2018-08-01 18:49:34
Local clock offset: 0.018 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 112.376 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 112.399 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 112.258 ms
Loss rate: 4.66%
-- Flow 3:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 6.04%

Run 3: Report of LEDBAT — Data Link

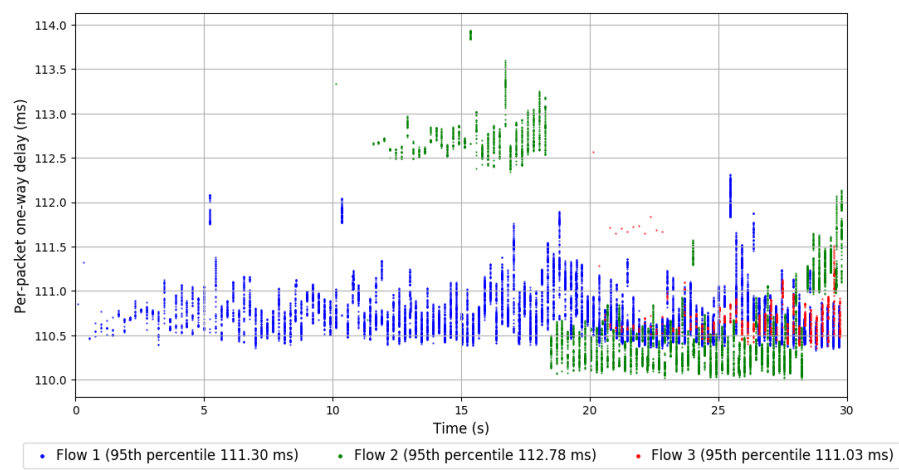
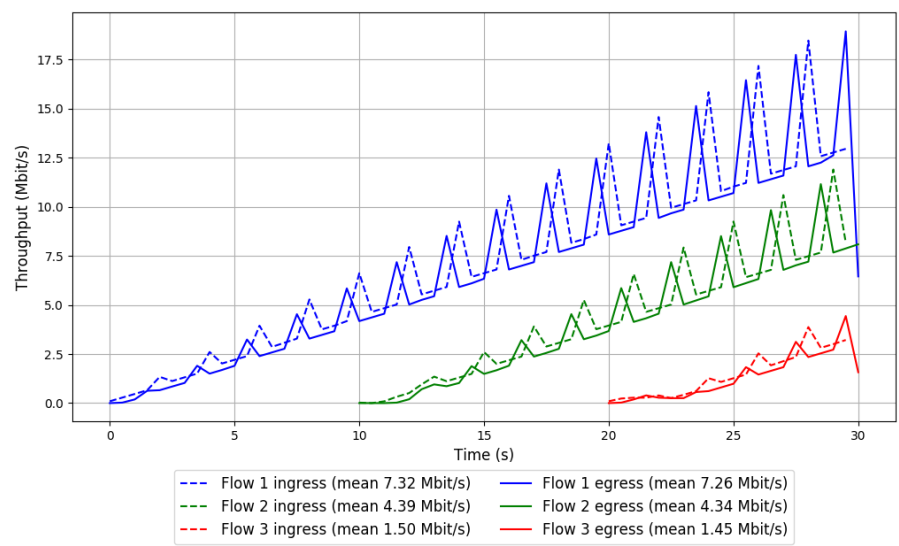


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 19:15:59
End at: 2018-08-01 19:16:29
Local clock offset: 0.007 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 111.299 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 112.783 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 111.030 ms
Loss rate: 5.57%

Run 4: Report of LEDBAT — Data Link

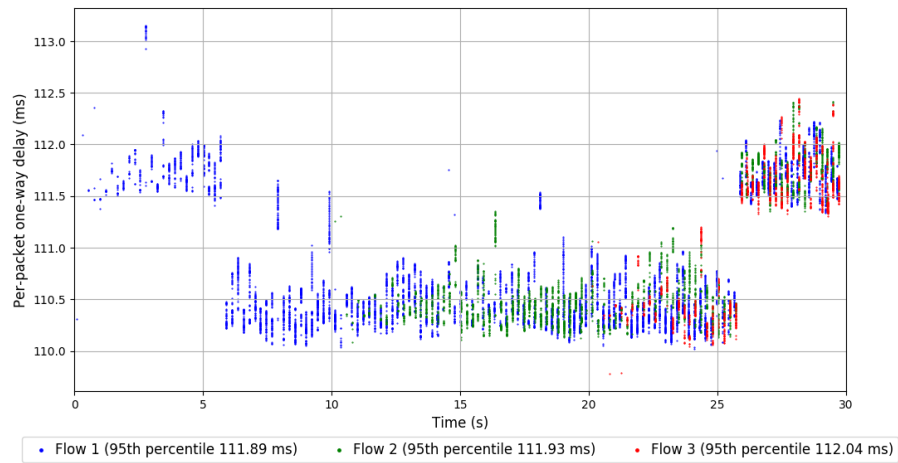
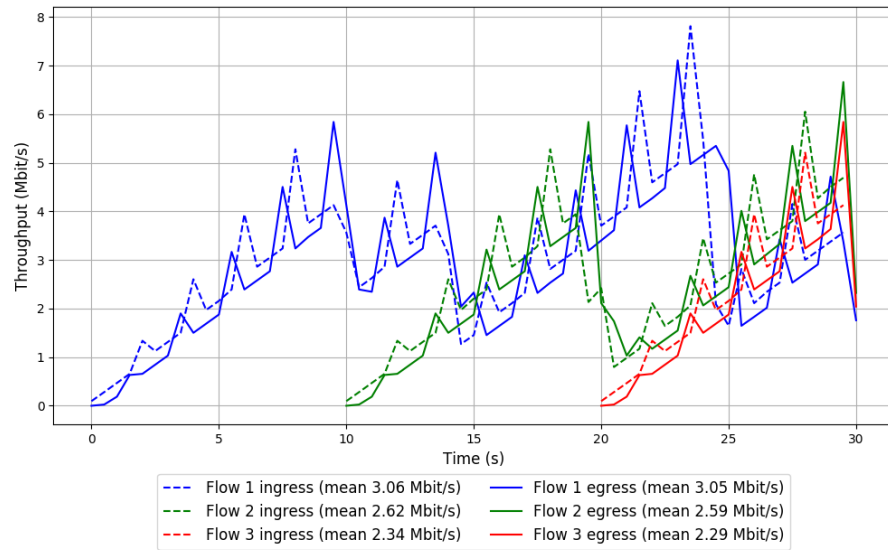


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 19:41:51
End at: 2018-08-01 19:42:21
Local clock offset: -0.288 ms
Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 111.942 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 111.891 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 111.934 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 112.039 ms
Loss rate: 4.54%

Run 5: Report of LEDBAT — Data Link

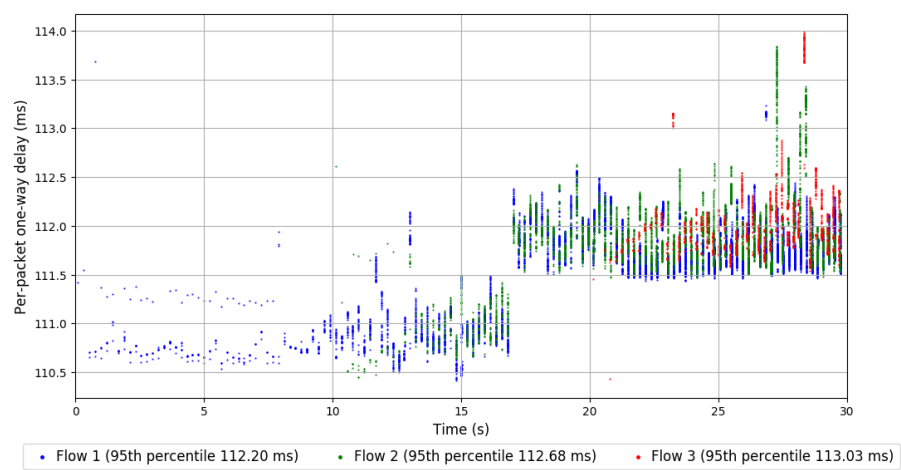
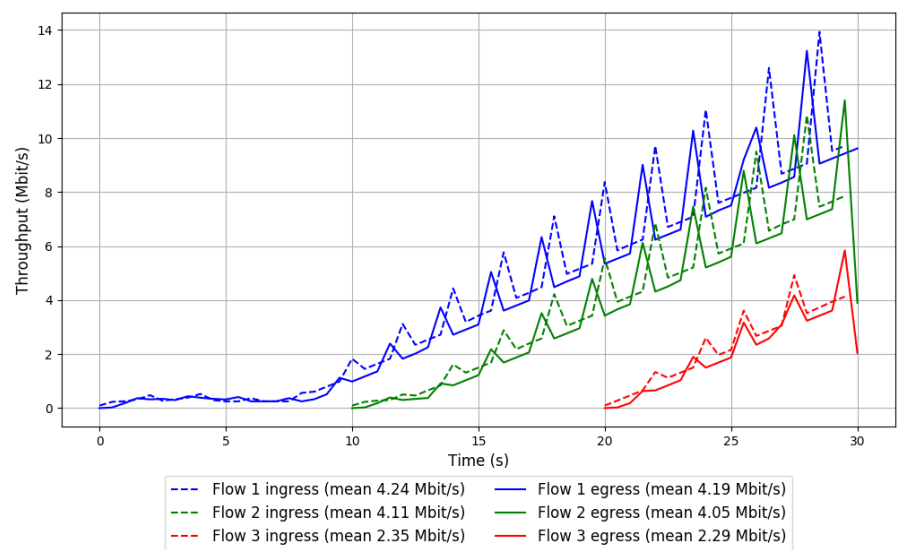


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 20:08:00
End at: 2018-08-01 20:08:30
Local clock offset: -0.315 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 112.369 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 4.54%

Run 6: Report of LEDBAT — Data Link

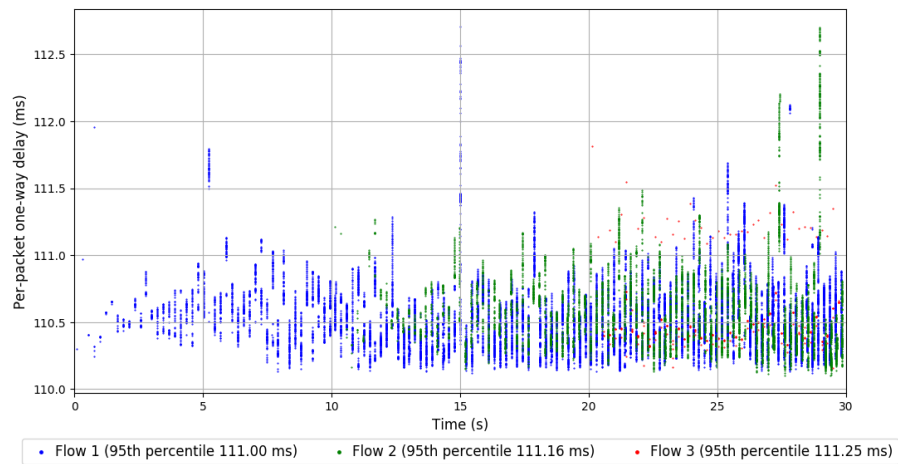
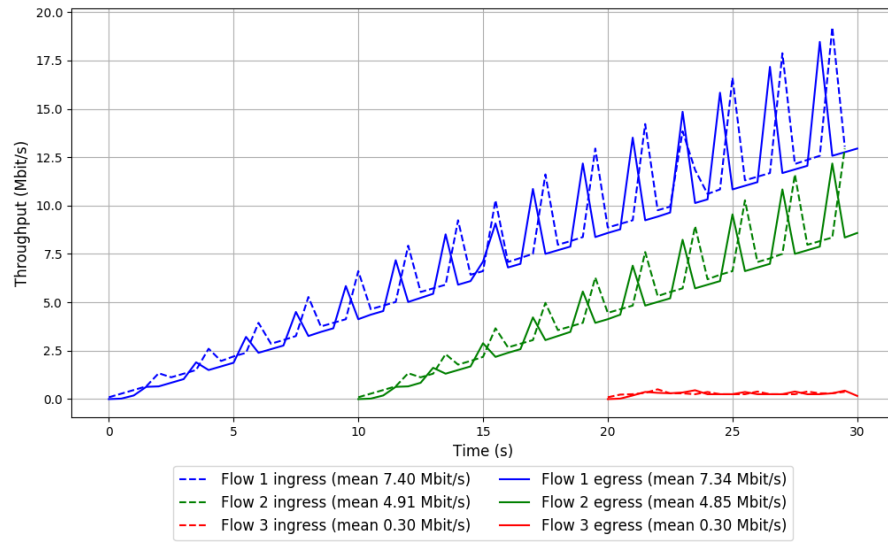


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 20:33:59
End at: 2018-08-01 20:34:29
Local clock offset: -0.21 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 111.001 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 111.163 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 111.253 ms
Loss rate: 3.58%

Run 7: Report of LEDBAT — Data Link

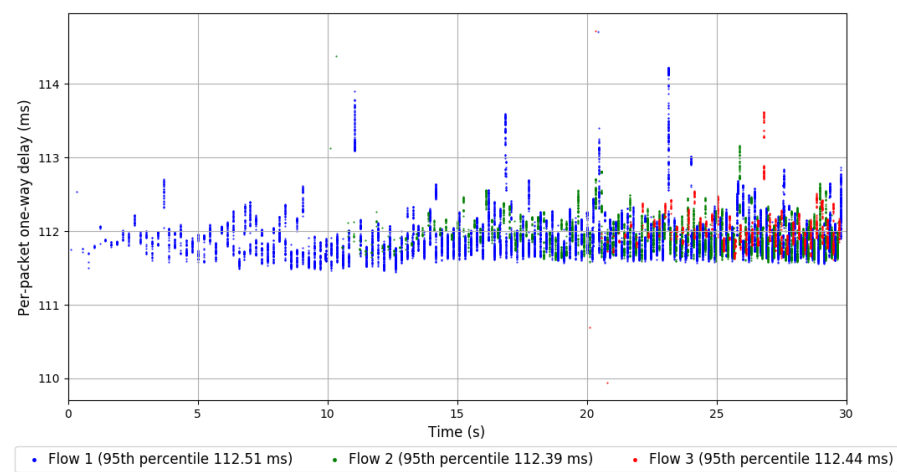
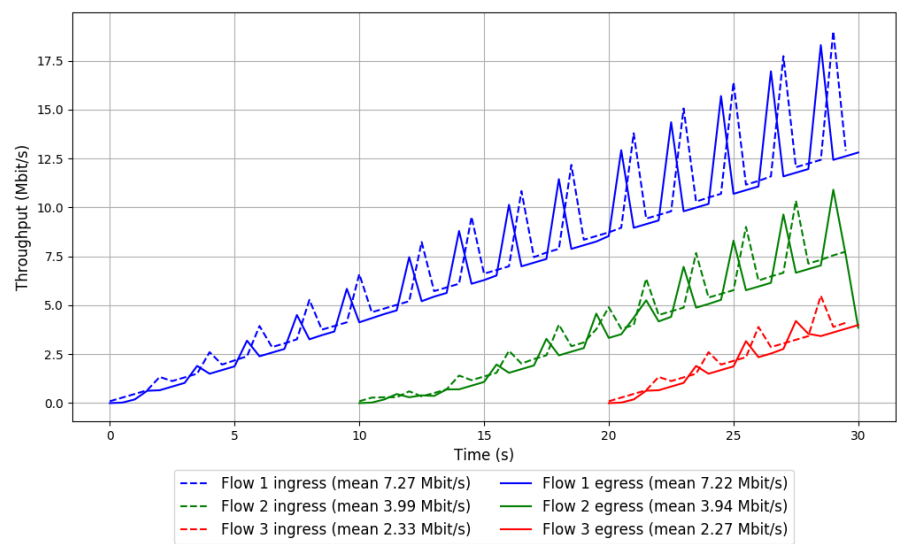


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 20:59:44
End at: 2018-08-01 21:00:14
Local clock offset: -0.205 ms
Remote clock offset: -0.625 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.509 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 112.394 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 112.436 ms
Loss rate: 4.56%

Run 8: Report of LEDBAT — Data Link

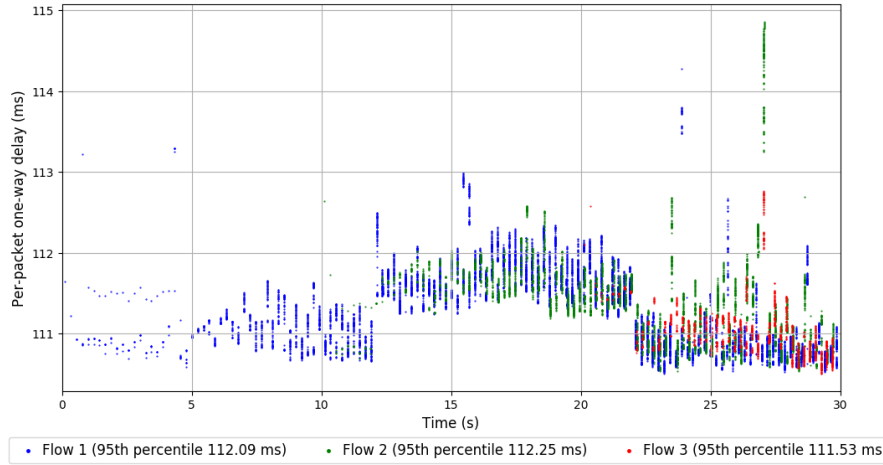
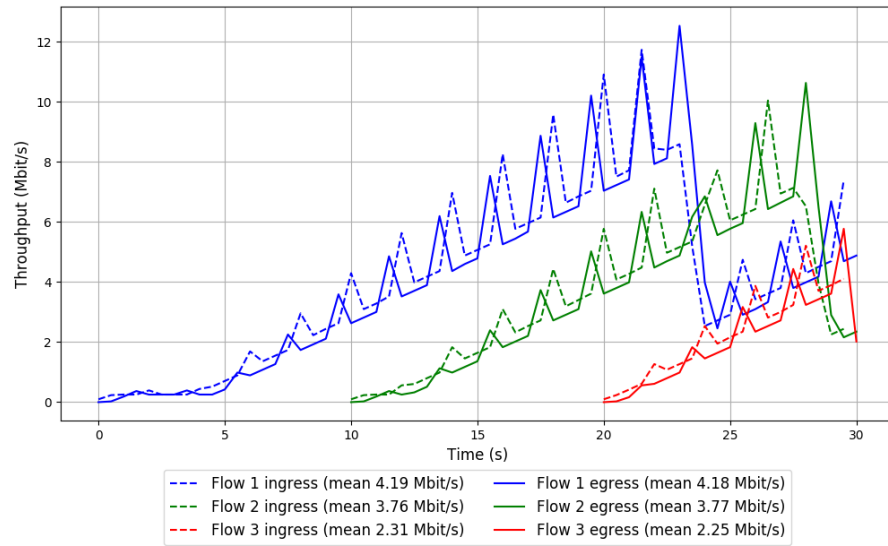


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 21:26:05
End at: 2018-08-01 21:26:35
Local clock offset: -0.139 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 112.109 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 112.091 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 111.526 ms
Loss rate: 4.61%

Run 9: Report of LEDBAT — Data Link

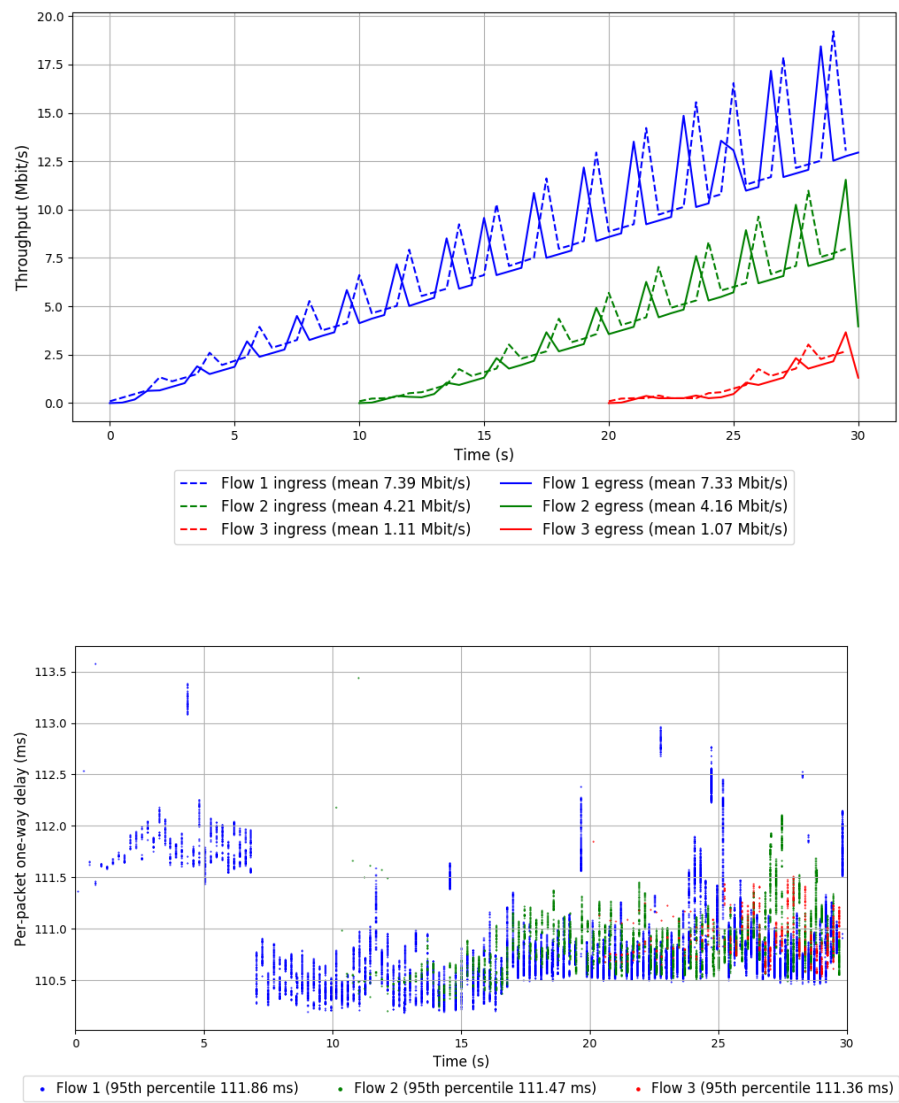


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 21:51:50
End at: 2018-08-01 21:52:20
Local clock offset: -0.449 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-08-01 23:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 111.858 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 111.465 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 111.361 ms
Loss rate: 6.25%

Run 10: Report of LEDBAT — Data Link

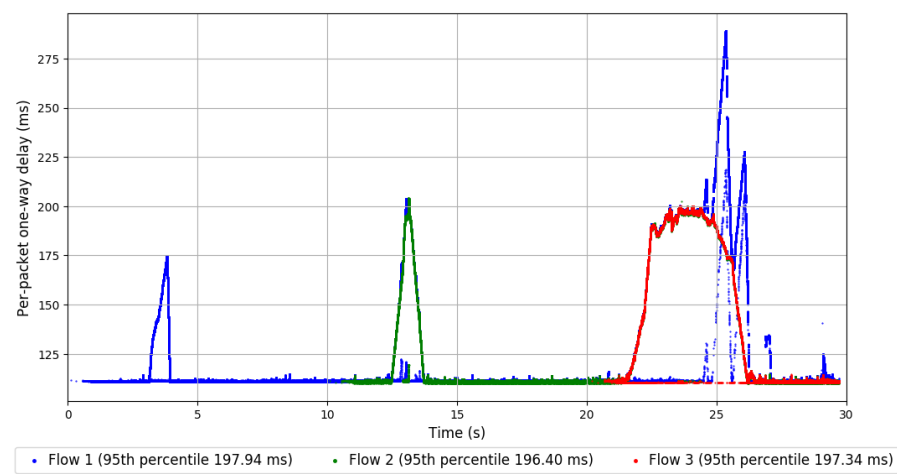
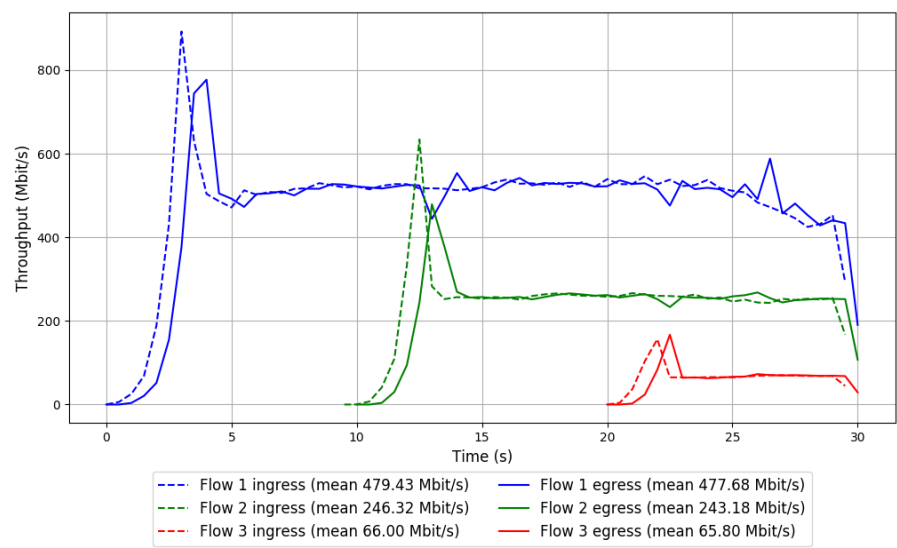


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 17:52:10
End at: 2018-08-01 17:52:40
Local clock offset: 0.062 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-08-01 23:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.97 Mbit/s
95th percentile per-packet one-way delay: 197.408 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 477.68 Mbit/s
95th percentile per-packet one-way delay: 197.935 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 243.18 Mbit/s
95th percentile per-packet one-way delay: 196.395 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 197.338 ms
Loss rate: 2.59%
```

Run 1: Report of PCC-Allegro — Data Link

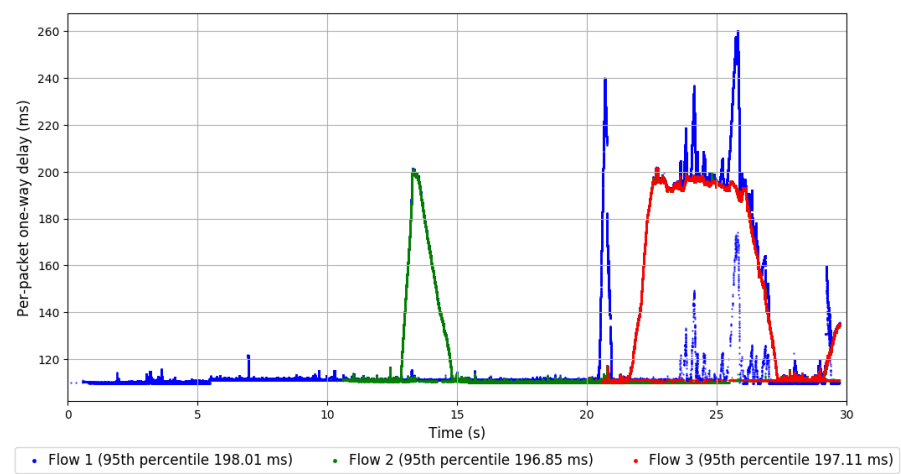
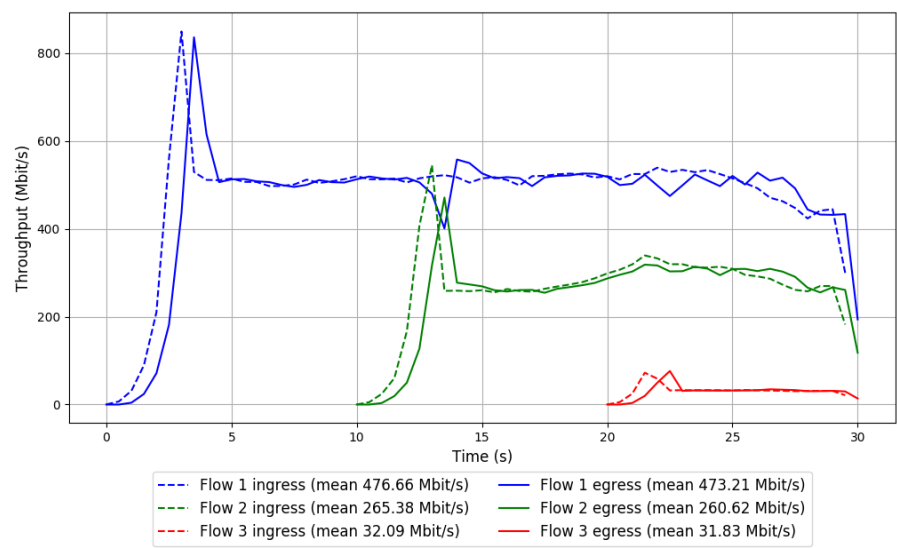


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 18:18:11
End at: 2018-08-01 18:18:41
Local clock offset: -0.068 ms
Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-01 23:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 655.94 Mbit/s
95th percentile per-packet one-way delay: 197.513 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 473.21 Mbit/s
95th percentile per-packet one-way delay: 198.008 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 196.846 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 197.108 ms
Loss rate: 3.06%

Run 2: Report of PCC-Allegro — Data Link

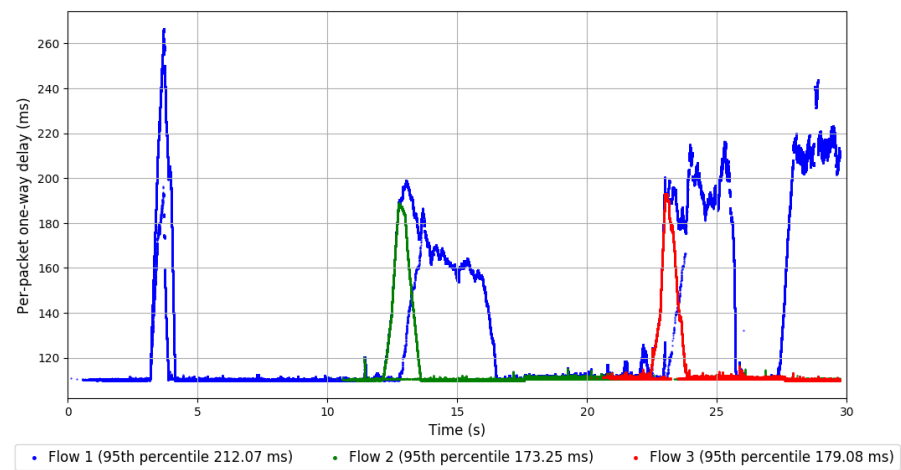
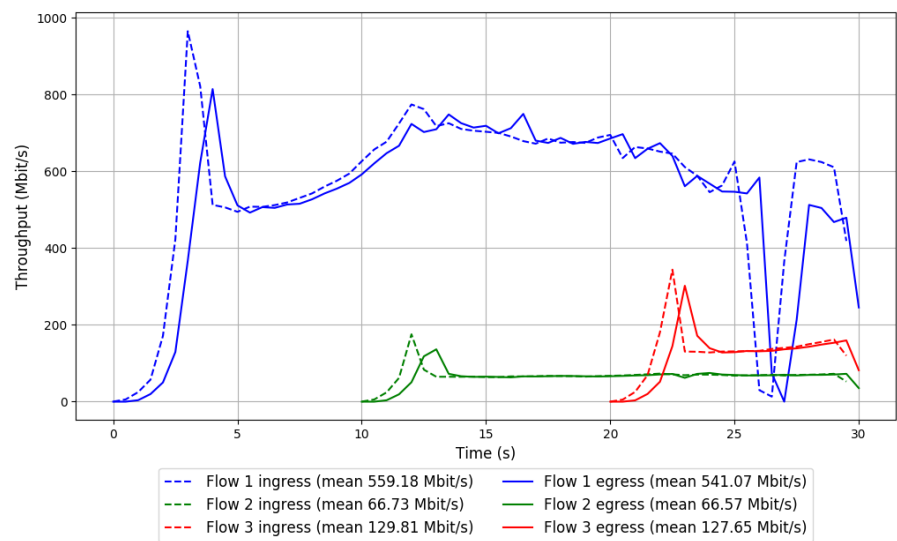


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 18:45:19
End at: 2018-08-01 18:45:49
Local clock offset: -0.029 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-01 23:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 626.47 Mbit/s
95th percentile per-packet one-way delay: 210.684 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 541.07 Mbit/s
95th percentile per-packet one-way delay: 212.075 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 173.253 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 127.65 Mbit/s
95th percentile per-packet one-way delay: 179.079 ms
Loss rate: 3.90%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 19:12:32

End at: 2018-08-01 19:13:02

Local clock offset: -0.309 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-08-01 23:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 574.80 Mbit/s

95th percentile per-packet one-way delay: 194.605 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 413.37 Mbit/s

95th percentile per-packet one-way delay: 202.826 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 130.96 Mbit/s

95th percentile per-packet one-way delay: 168.140 ms

Loss rate: 1.73%

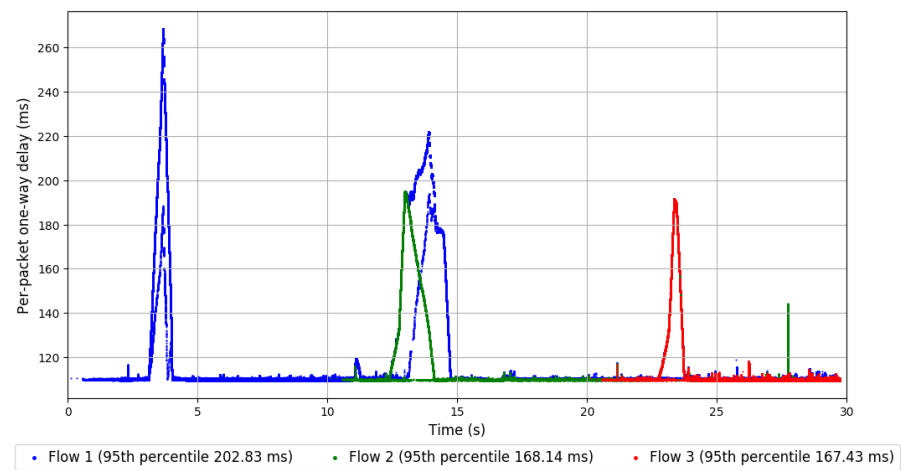
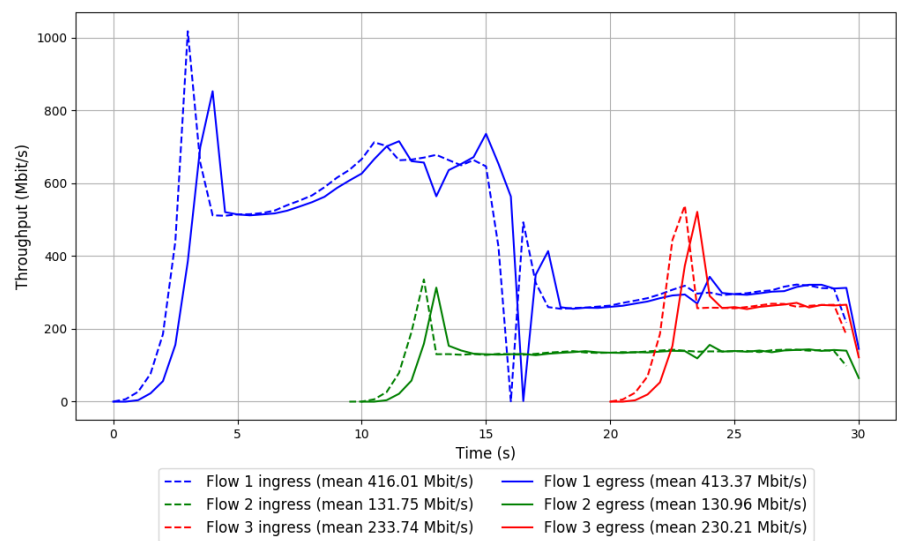
-- Flow 3:

Average throughput: 230.21 Mbit/s

95th percentile per-packet one-way delay: 167.431 ms

Loss rate: 3.78%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 19:38:23

End at: 2018-08-01 19:38:53

Local clock offset: -0.119 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-01 23:56:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 652.75 Mbit/s

95th percentile per-packet one-way delay: 217.597 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 528.21 Mbit/s

95th percentile per-packet one-way delay: 228.943 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 157.80 Mbit/s

95th percentile per-packet one-way delay: 195.844 ms

Loss rate: 2.05%

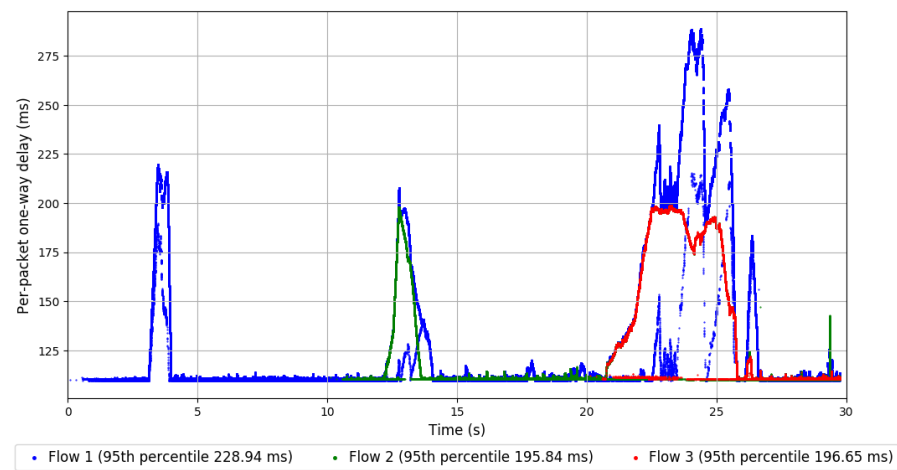
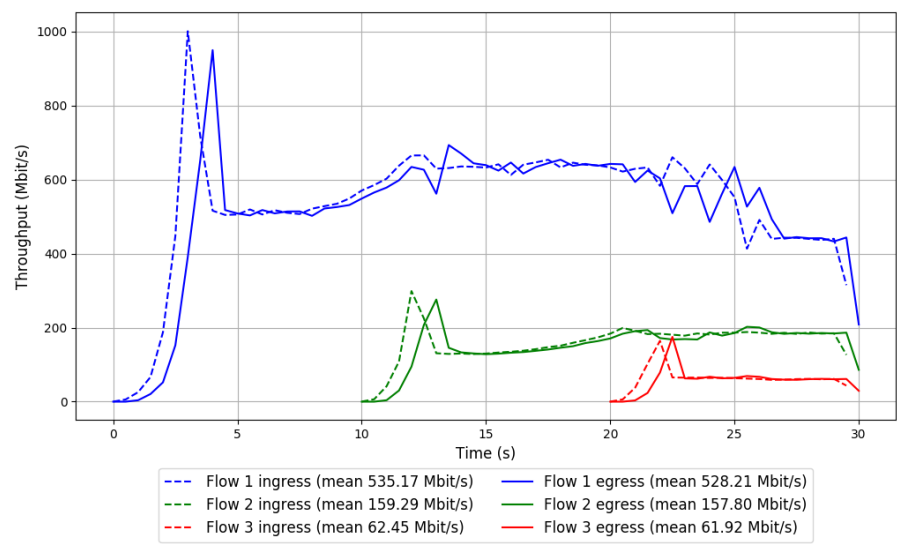
-- Flow 3:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 196.654 ms

Loss rate: 3.10%

Run 5: Report of PCC-Allegro — Data Link

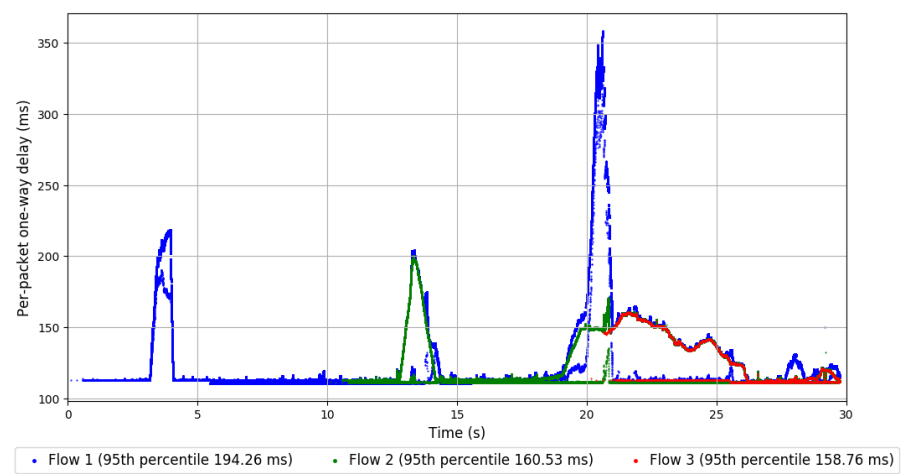
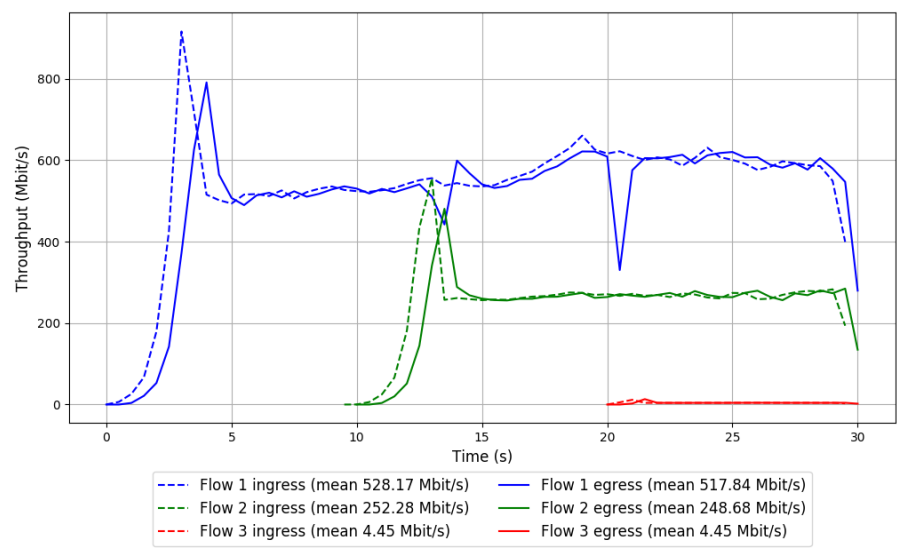


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 20:04:31
End at: 2018-08-01 20:05:02
Local clock offset: 1.095 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-01 23:57:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 684.00 Mbit/s
95th percentile per-packet one-way delay: 185.313 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 517.84 Mbit/s
95th percentile per-packet one-way delay: 194.263 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 248.68 Mbit/s
95th percentile per-packet one-way delay: 160.526 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 158.765 ms
Loss rate: 2.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 20:30:29

End at: 2018-08-01 20:30:59

Local clock offset: -0.106 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-01 23:58:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 677.83 Mbit/s

95th percentile per-packet one-way delay: 187.548 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 566.28 Mbit/s

95th percentile per-packet one-way delay: 189.089 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 160.29 Mbit/s

95th percentile per-packet one-way delay: 151.980 ms

Loss rate: 1.64%

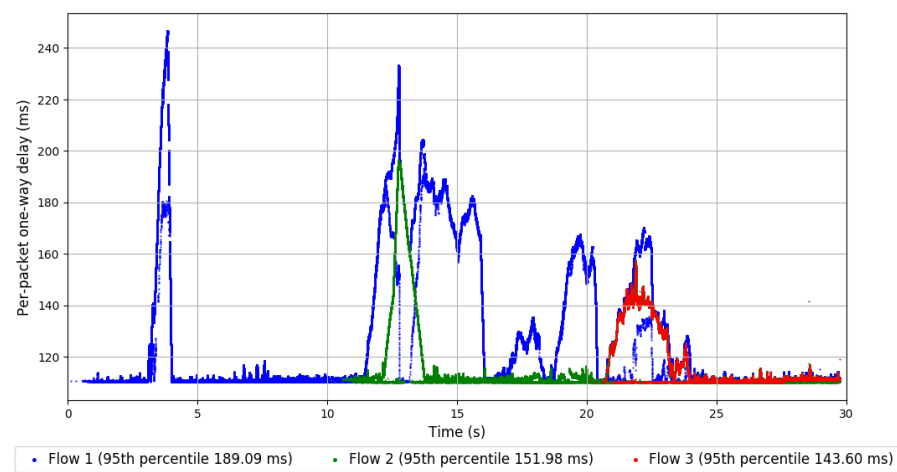
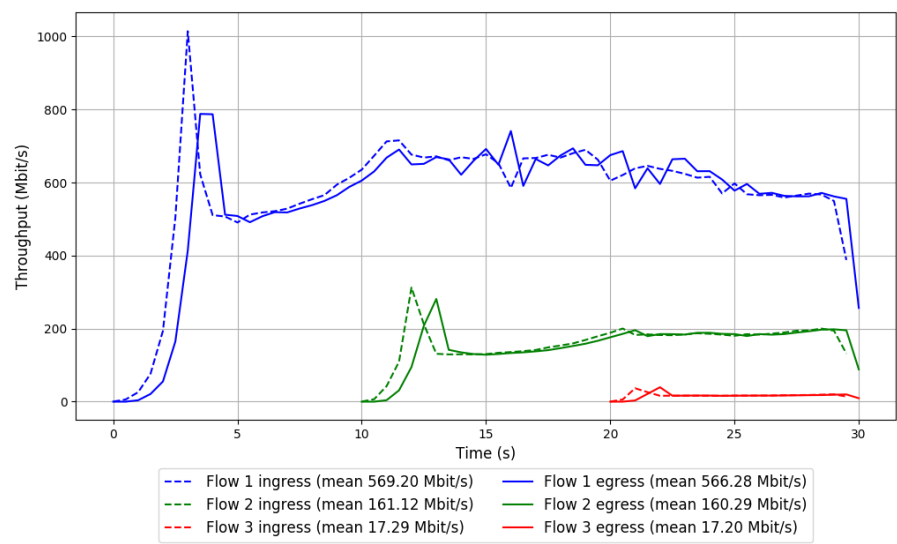
-- Flow 3:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 143.602 ms

Loss rate: 2.71%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 20:56:14

End at: 2018-08-01 20:56:44

Local clock offset: 0.086 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-02 00:00:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 712.32 Mbit/s

95th percentile per-packet one-way delay: 209.912 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 534.58 Mbit/s

95th percentile per-packet one-way delay: 227.750 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 260.24 Mbit/s

95th percentile per-packet one-way delay: 167.406 ms

Loss rate: 3.35%

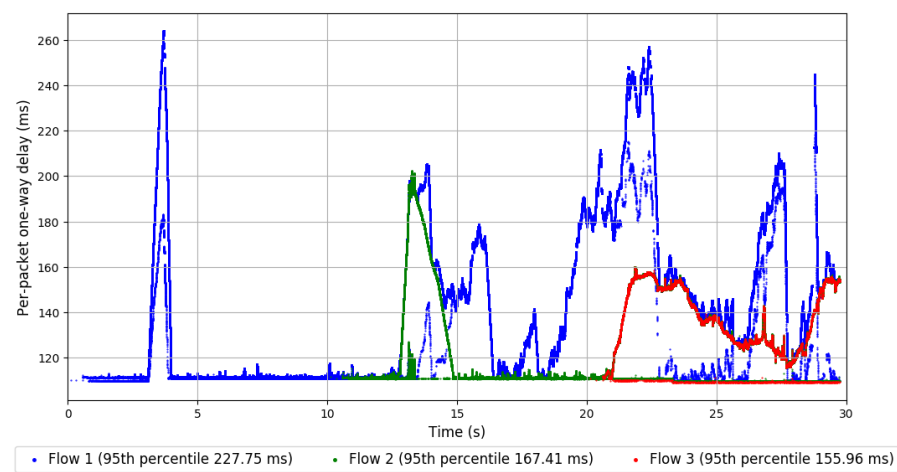
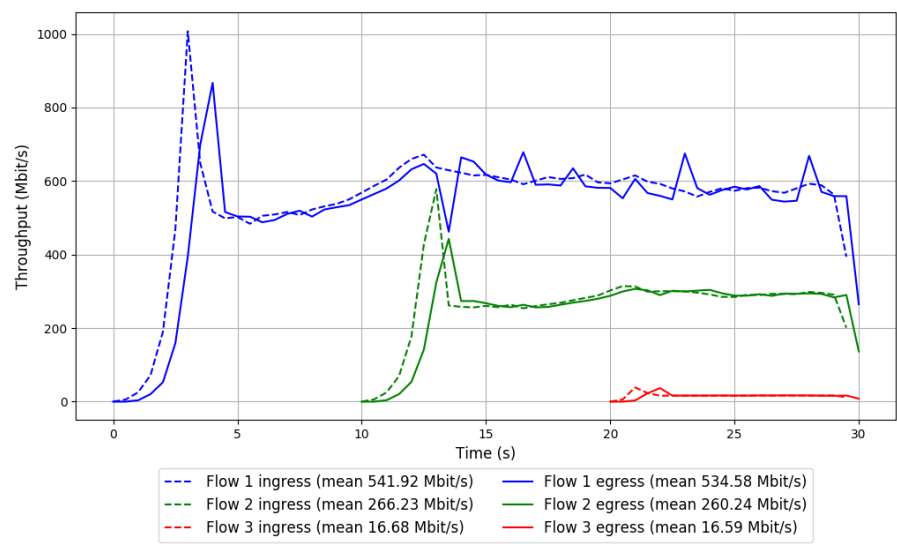
-- Flow 3:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 155.962 ms

Loss rate: 2.78%

Run 8: Report of PCC-Allegro — Data Link

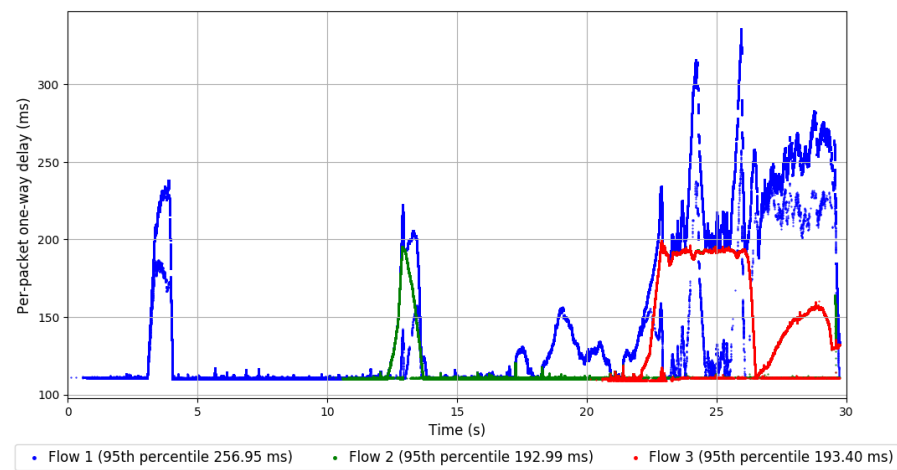
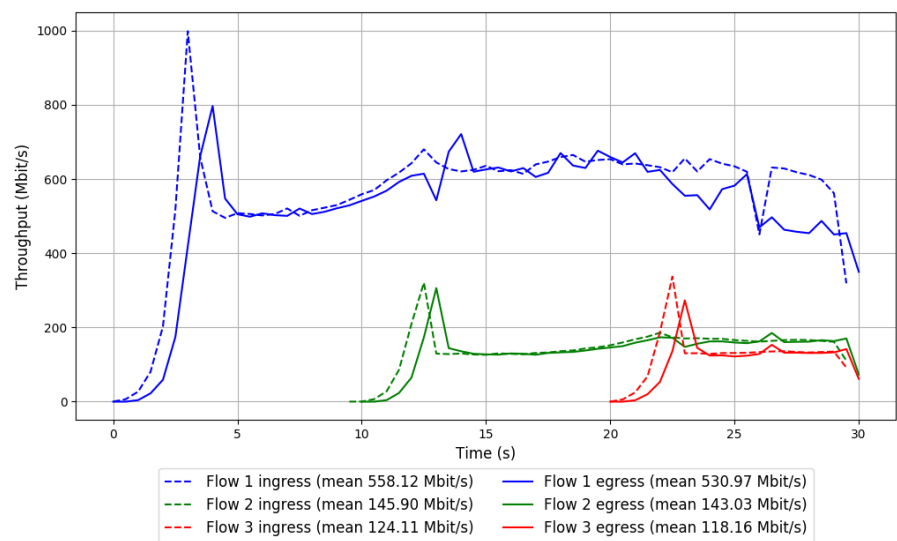


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 21:22:33
End at: 2018-08-01 21:23:03
Local clock offset: -0.274 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-02 00:06:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 664.05 Mbit/s
95th percentile per-packet one-way delay: 252.072 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 530.97 Mbit/s
95th percentile per-packet one-way delay: 256.946 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 143.03 Mbit/s
95th percentile per-packet one-way delay: 192.986 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 193.402 ms
Loss rate: 6.94%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 21:48:19

End at: 2018-08-01 21:48:49

Local clock offset: -0.293 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-08-02 00:07:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 691.45 Mbit/s

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

Loss rate: 4.68%

-- Flow 1:

Average throughput: 493.89 Mbit/s

95th percentile per-packet one-way delay: 293.416 ms

Loss rate: 5.00%

-- Flow 2:

Average throughput: 267.17 Mbit/s

95th percentile per-packet one-way delay: 197.138 ms

Loss rate: 4.00%

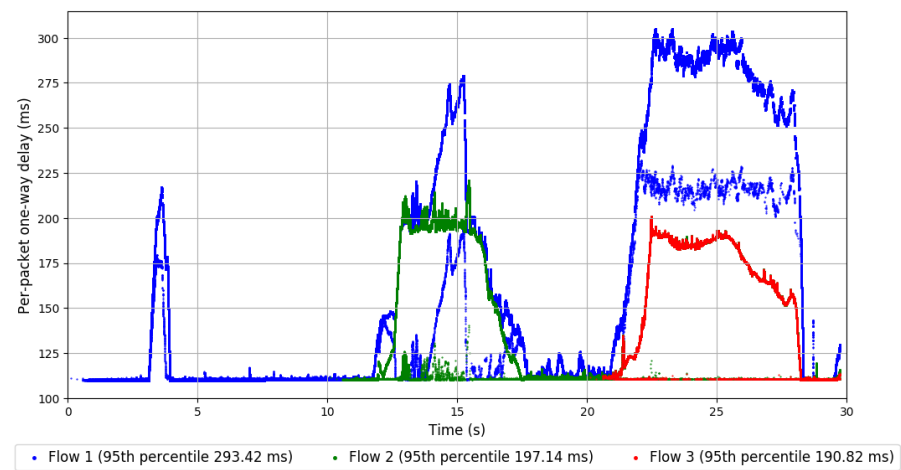
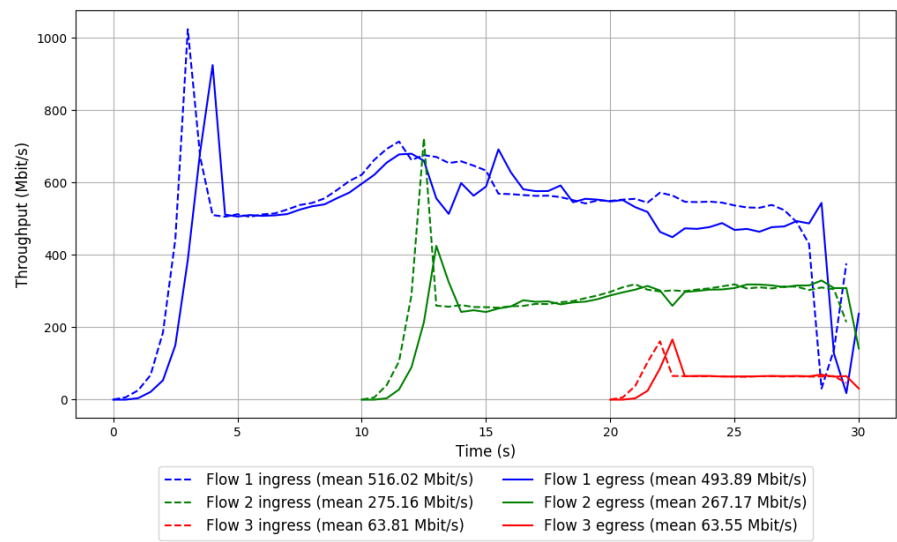
-- Flow 3:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 190.821 ms

Loss rate: 2.67%

Run 10: Report of PCC-Allegro — Data Link

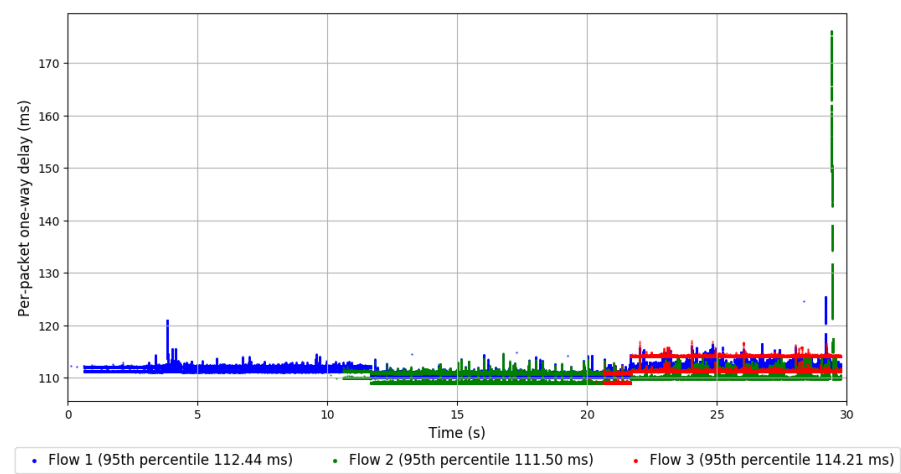
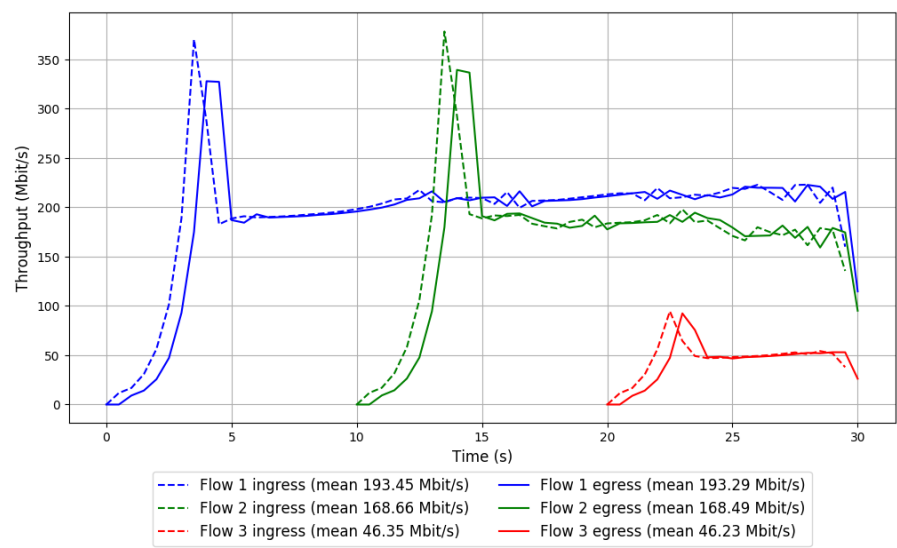


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 18:13:15
End at: 2018-08-01 18:13:45
Local clock offset: -0.358 ms
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2018-08-02 00:07:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.94 Mbit/s
95th percentile per-packet one-way delay: 112.676 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 168.49 Mbit/s
95th percentile per-packet one-way delay: 111.498 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 114.208 ms
Loss rate: 2.49%
```


Run 1: Report of PCC-Expr — Data Link

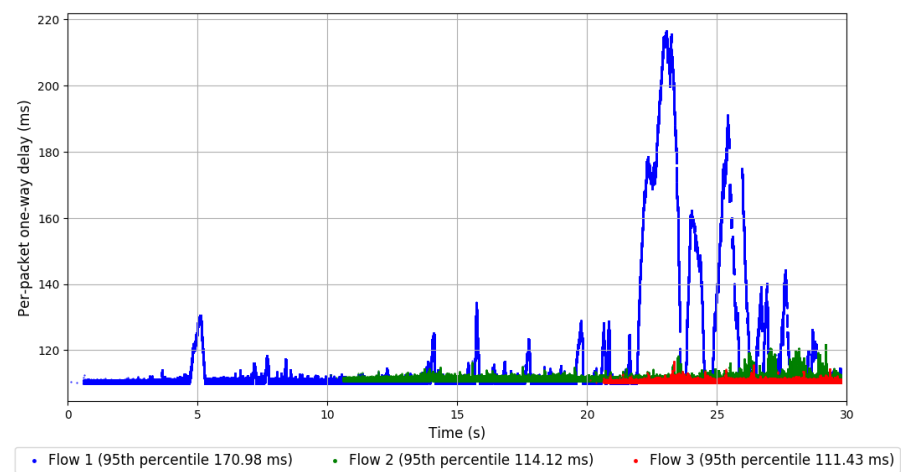
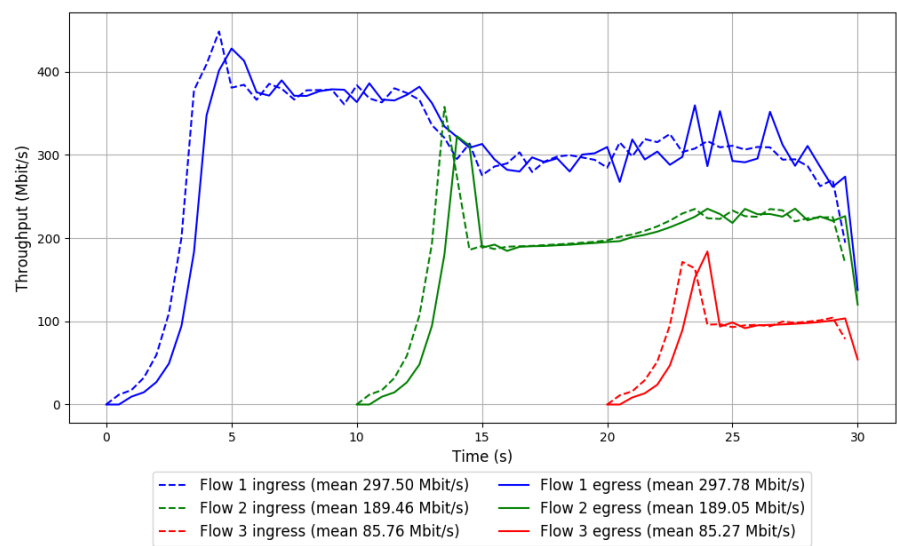


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 18:39:45
End at: 2018-08-01 18:40:15
Local clock offset: -0.428 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-08-02 00:10:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.75 Mbit/s
95th percentile per-packet one-way delay: 156.242 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 297.78 Mbit/s
95th percentile per-packet one-way delay: 170.979 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 189.05 Mbit/s
95th percentile per-packet one-way delay: 114.123 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 111.429 ms
Loss rate: 2.82%
```

Run 2: Report of PCC-Expr — Data Link

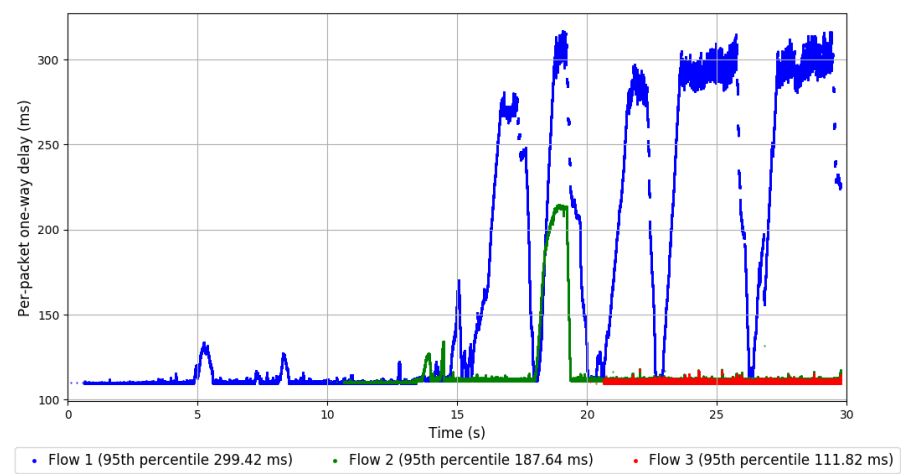
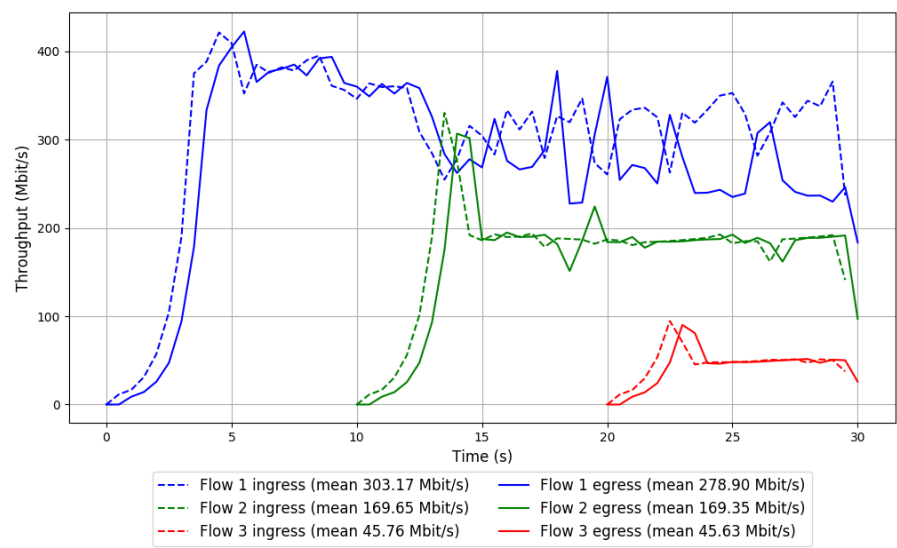


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 19:07:24
End at: 2018-08-01 19:07:54
Local clock offset: -0.3 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-02 00:10:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.90 Mbit/s
95th percentile per-packet one-way delay: 296.151 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 278.90 Mbit/s
95th percentile per-packet one-way delay: 299.416 ms
Loss rate: 8.69%
-- Flow 2:
Average throughput: 169.35 Mbit/s
95th percentile per-packet one-way delay: 187.642 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 2.52%

Run 3: Report of PCC-Expr — Data Link

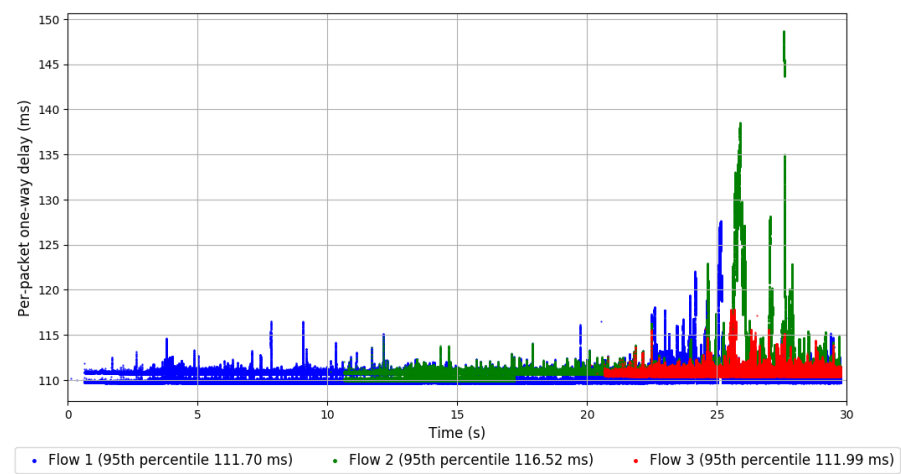
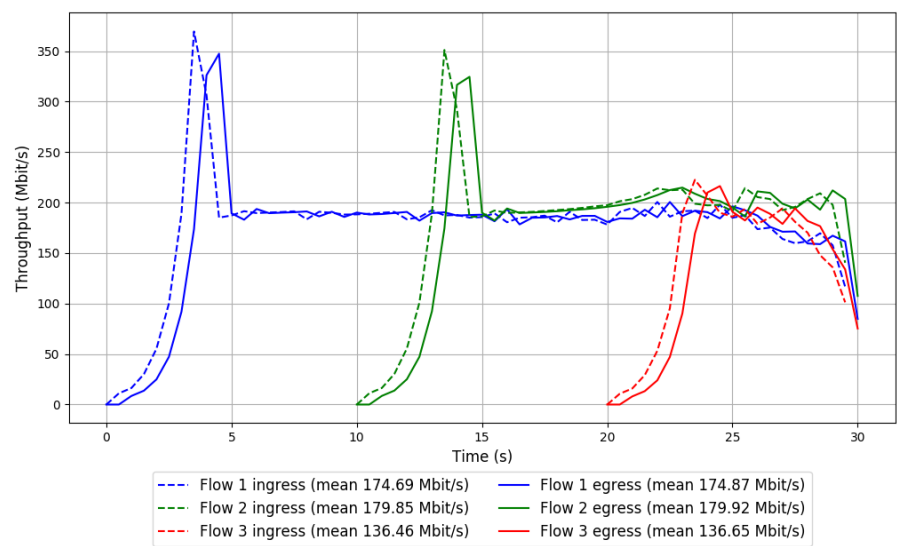


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 19:33:30
End at: 2018-08-01 19:34:00
Local clock offset: -0.01 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-02 00:10:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.40 Mbit/s
95th percentile per-packet one-way delay: 112.674 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 174.87 Mbit/s
95th percentile per-packet one-way delay: 111.697 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 179.92 Mbit/s
95th percentile per-packet one-way delay: 116.521 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 136.65 Mbit/s
95th percentile per-packet one-way delay: 111.993 ms
Loss rate: 2.14%

Run 4: Report of PCC-Expr — Data Link

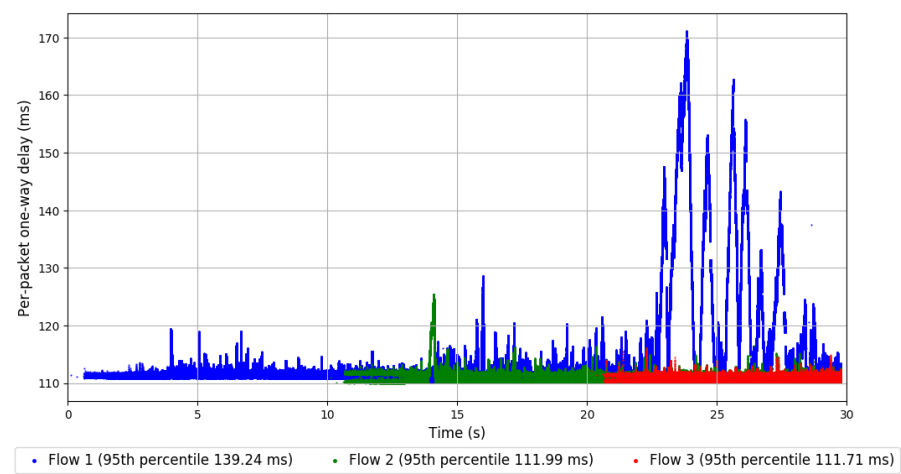
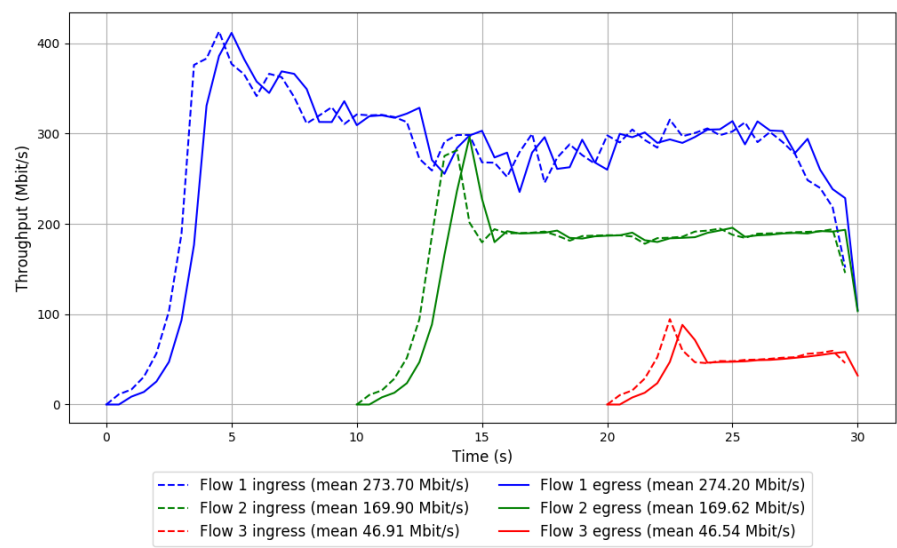


Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 19:59:24
End at: 2018-08-01 19:59:54
Local clock offset: -0.079 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-02 00:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.67 Mbit/s
95th percentile per-packet one-way delay: 132.160 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 274.20 Mbit/s
95th percentile per-packet one-way delay: 139.235 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 169.62 Mbit/s
95th percentile per-packet one-way delay: 111.987 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 3.04%

Run 5: Report of PCC-Expr — Data Link

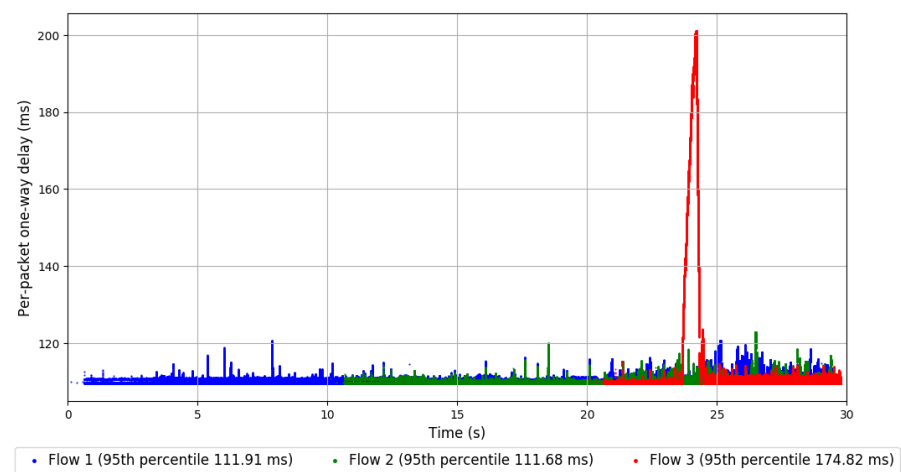
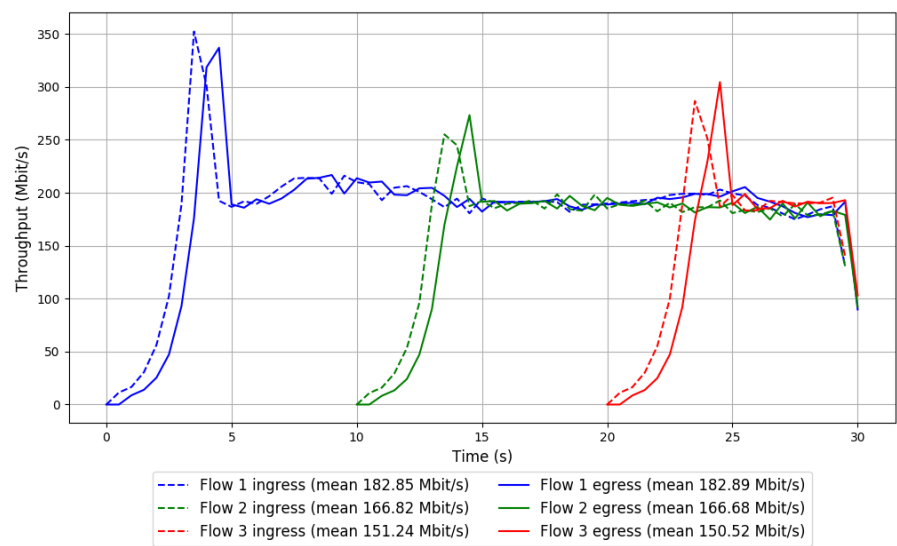


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 20:25:23
End at: 2018-08-01 20:25:53
Local clock offset: -0.512 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-02 00:12:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.18 Mbit/s
95th percentile per-packet one-way delay: 112.563 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 111.907 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 166.68 Mbit/s
95th percentile per-packet one-way delay: 111.683 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 150.52 Mbit/s
95th percentile per-packet one-way delay: 174.824 ms
Loss rate: 2.75%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 20:51:17

End at: 2018-08-01 20:51:47

Local clock offset: -1.464 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-08-02 00:15:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.12 Mbit/s

95th percentile per-packet one-way delay: 111.962 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 119.39 Mbit/s

95th percentile per-packet one-way delay: 111.980 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 179.75 Mbit/s

95th percentile per-packet one-way delay: 110.417 ms

Loss rate: 1.43%

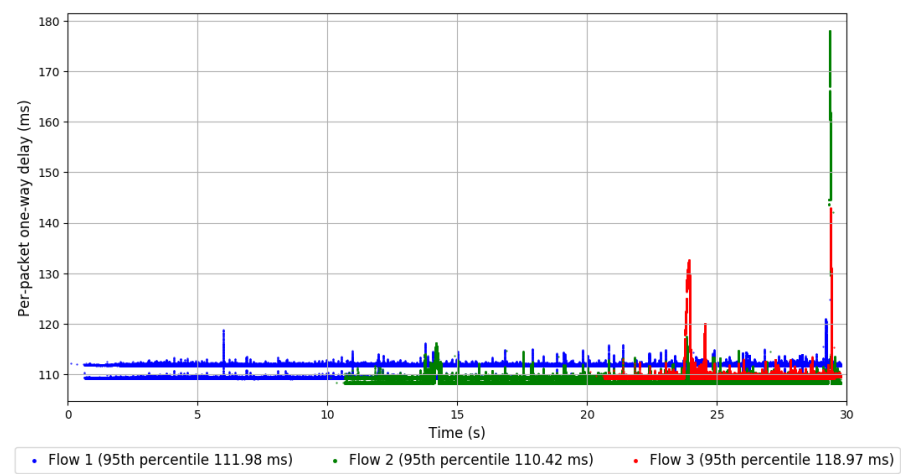
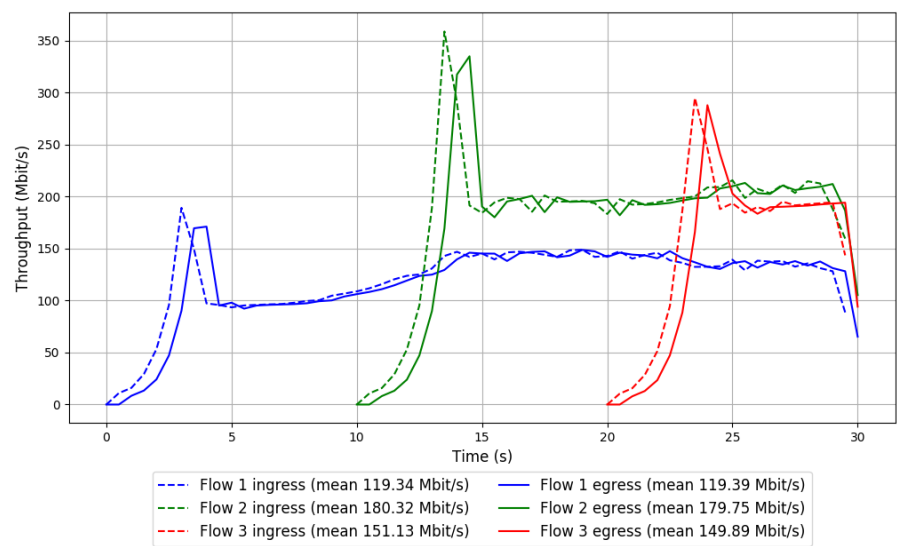
-- Flow 3:

Average throughput: 149.89 Mbit/s

95th percentile per-packet one-way delay: 118.975 ms

Loss rate: 3.10%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 21:17:34

End at: 2018-08-01 21:18:04

Local clock offset: -0.277 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-02 00:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.72 Mbit/s

95th percentile per-packet one-way delay: 111.639 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 188.29 Mbit/s

95th percentile per-packet one-way delay: 111.340 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 173.23 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 1.22%

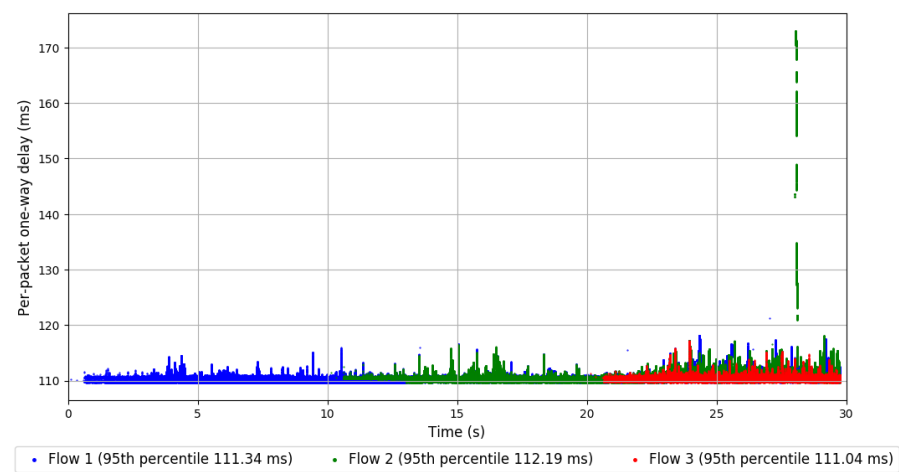
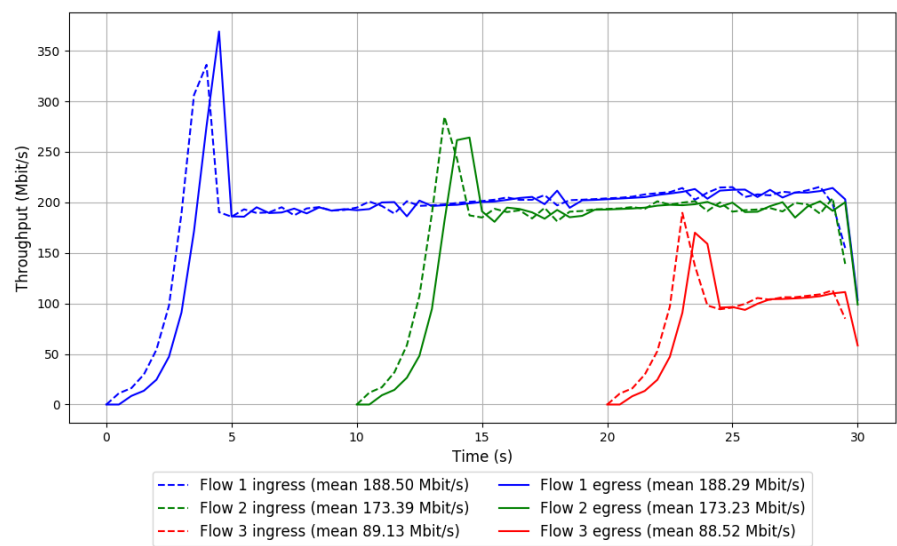
-- Flow 3:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 2.94%

Run 8: Report of PCC-Expr — Data Link

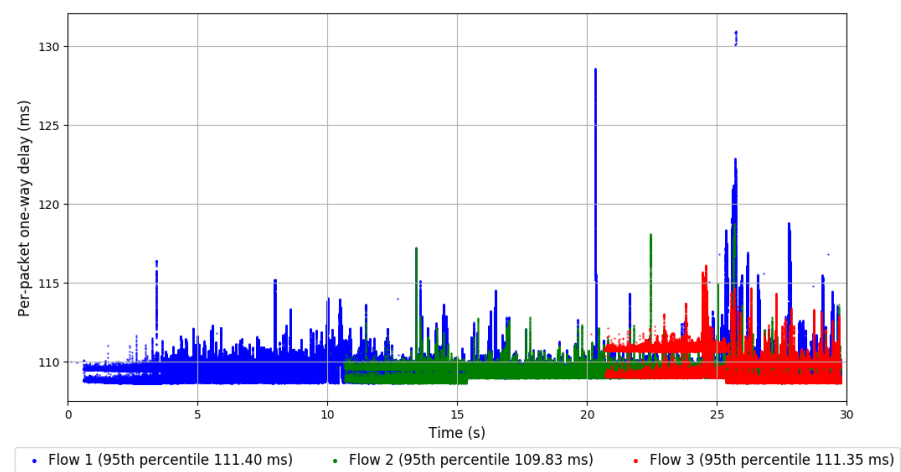
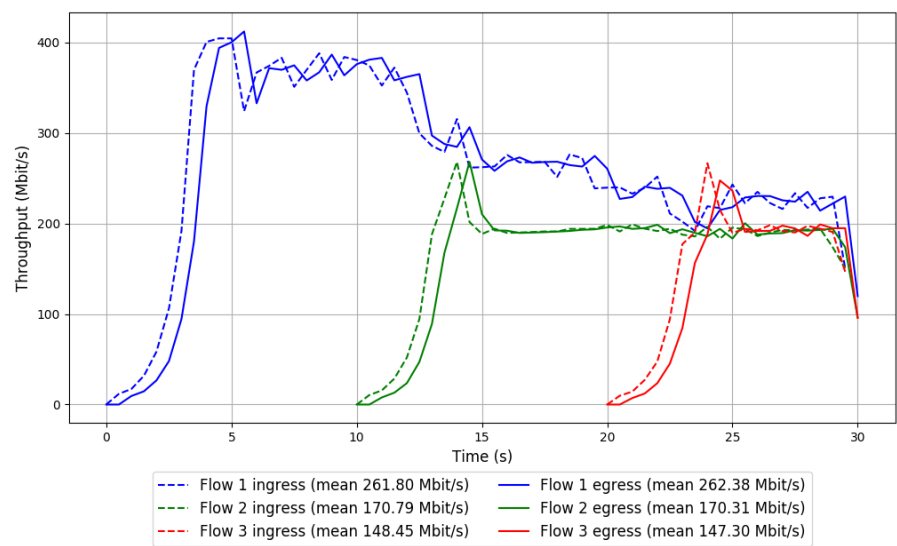


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 21:43:12
End at: 2018-08-01 21:43:42
Local clock offset: -1.593 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.01 Mbit/s
95th percentile per-packet one-way delay: 111.056 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 262.38 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 170.31 Mbit/s
95th percentile per-packet one-way delay: 109.833 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 147.30 Mbit/s
95th percentile per-packet one-way delay: 111.348 ms
Loss rate: 3.04%

Run 9: Report of PCC-Expr — Data Link

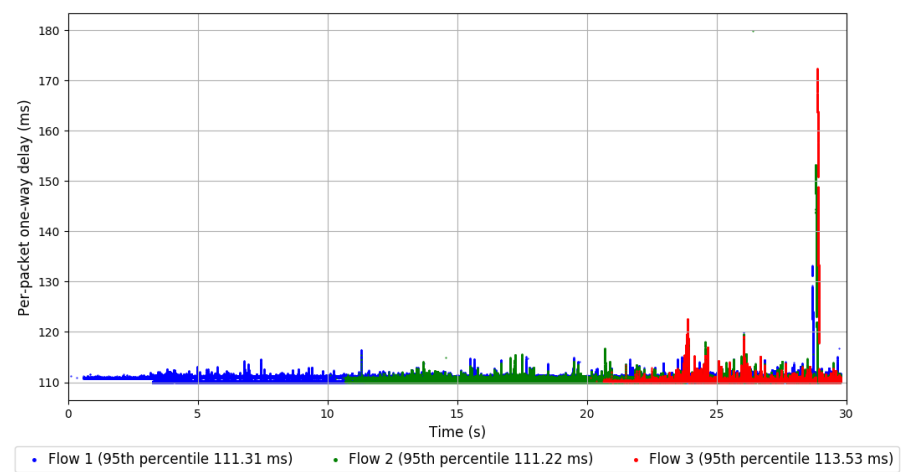
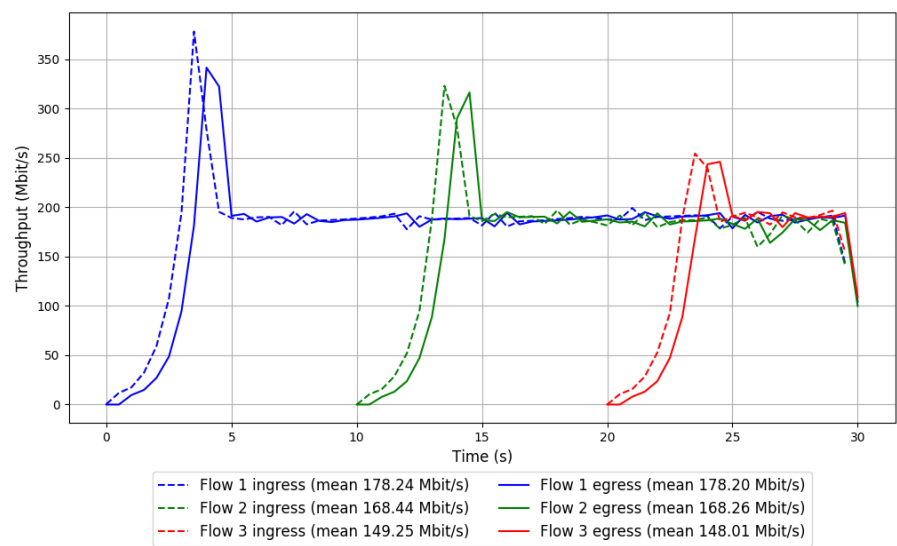


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 22:09:44
End at: 2018-08-01 22:10:14
Local clock offset: -0.325 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.78 Mbit/s
95th percentile per-packet one-way delay: 111.371 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 178.20 Mbit/s
95th percentile per-packet one-way delay: 111.315 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 168.26 Mbit/s
95th percentile per-packet one-way delay: 111.225 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 148.01 Mbit/s
95th percentile per-packet one-way delay: 113.526 ms
Loss rate: 3.06%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 17:56:50

End at: 2018-08-01 17:57:20

Local clock offset: -0.328 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-02 00:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 110.333 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.704 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.49 Mbit/s

95th percentile per-packet one-way delay: 110.238 ms

Loss rate: 0.17%

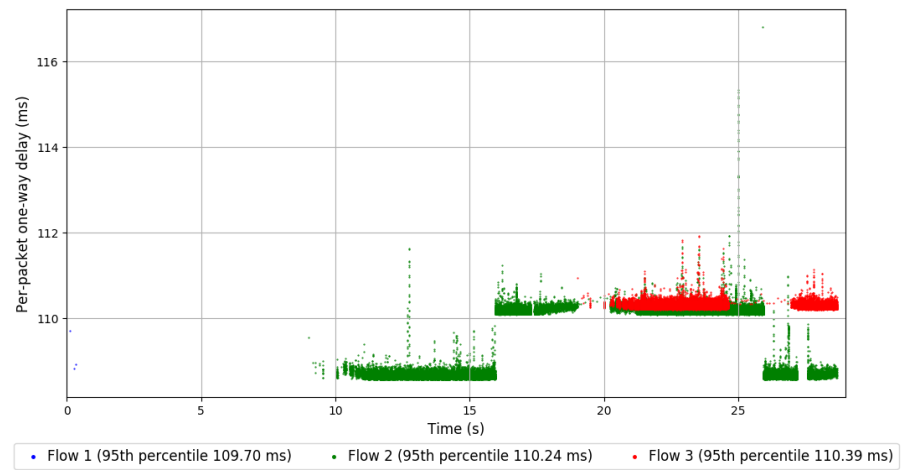
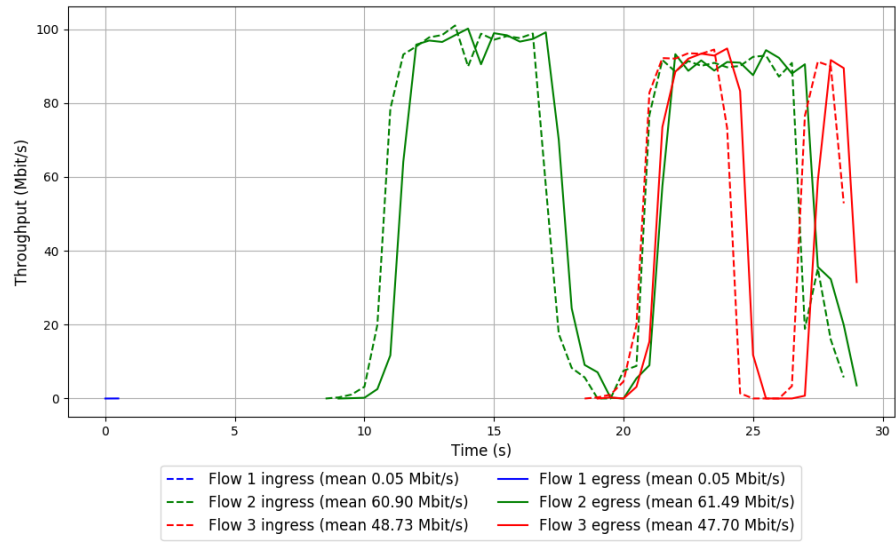
-- Flow 3:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 110.390 ms

Loss rate: 4.32%

Run 1: Report of QUIC Cubic — Data Link

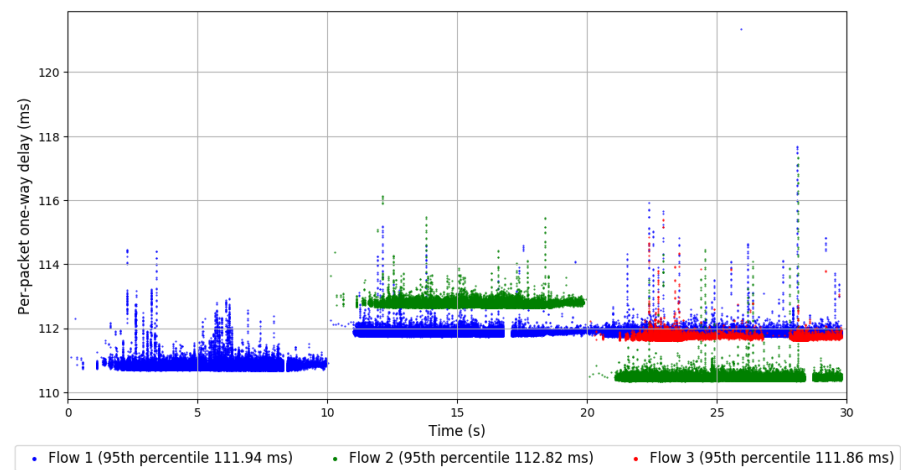
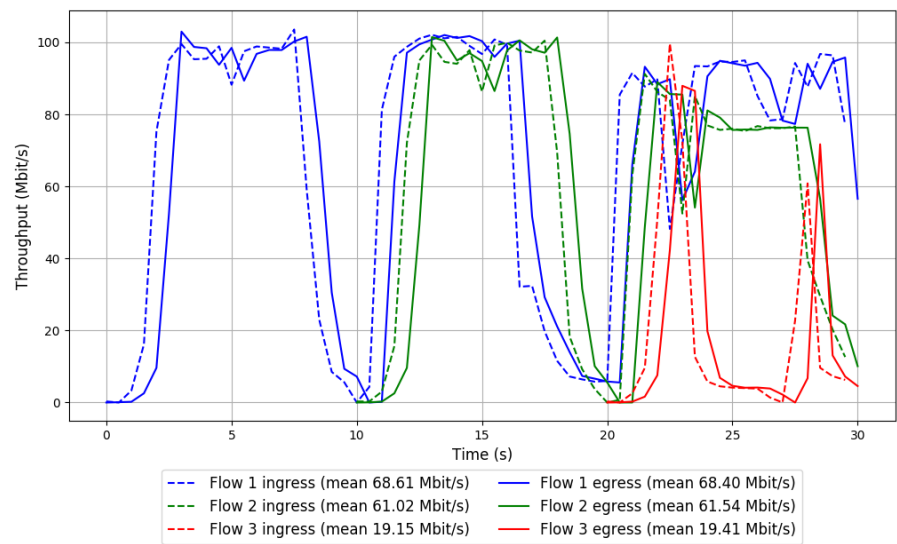


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 18:22:57
End at: 2018-08-01 18:23:27
Local clock offset: -0.034 ms
Remote clock offset: -0.649 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.49 Mbit/s
95th percentile per-packet one-way delay: 112.759 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 68.40 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 112.824 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 111.864 ms
Loss rate: 0.92%

Run 2: Report of QUIC Cubic — Data Link

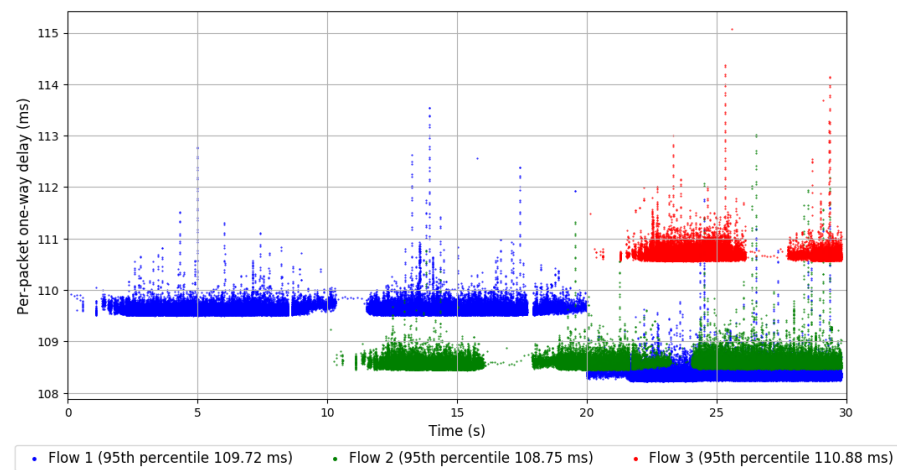
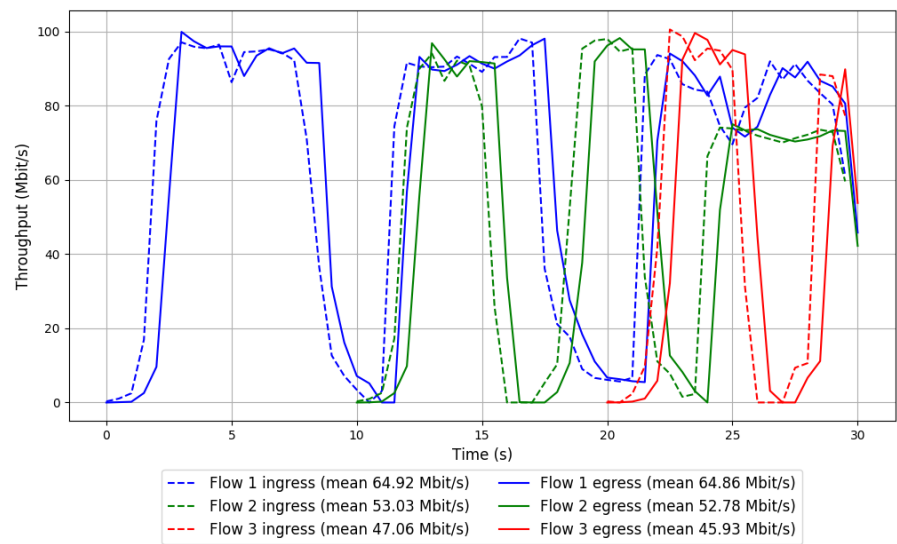


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 18:50:17
End at: 2018-08-01 18:50:47
Local clock offset: -1.475 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.79 Mbit/s
95th percentile per-packet one-way delay: 110.677 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 109.717 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 108.749 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 110.878 ms
Loss rate: 4.63%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 19:17:13

End at: 2018-08-01 19:17:43

Local clock offset: -0.181 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-02 00:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.08 Mbit/s

95th percentile per-packet one-way delay: 112.191 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 61.87 Mbit/s

95th percentile per-packet one-way delay: 110.984 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 45.80 Mbit/s

95th percentile per-packet one-way delay: 111.372 ms

Loss rate: 1.75%

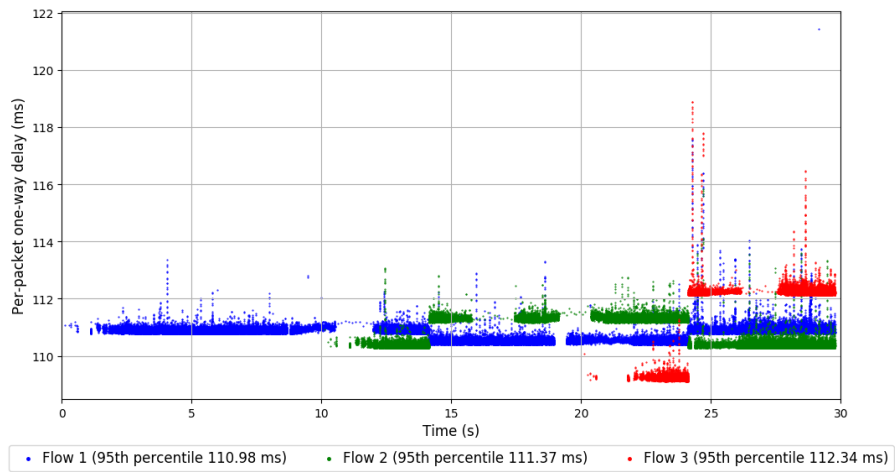
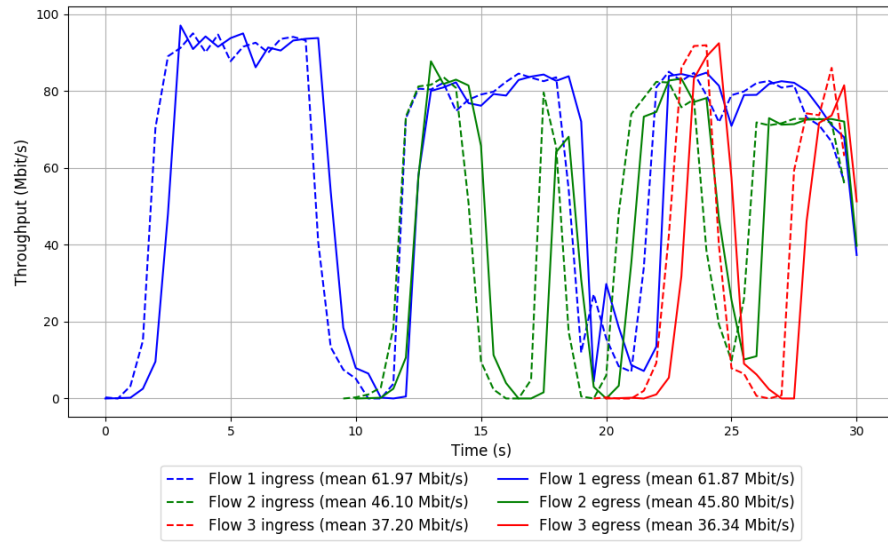
-- Flow 3:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 112.343 ms

Loss rate: 4.48%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 19:43:05

End at: 2018-08-01 19:43:35

Local clock offset: -0.065 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-08-02 00:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.98 Mbit/s

95th percentile per-packet one-way delay: 110.156 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 110.157 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 60.05 Mbit/s

95th percentile per-packet one-way delay: 110.132 ms

Loss rate: 0.00%

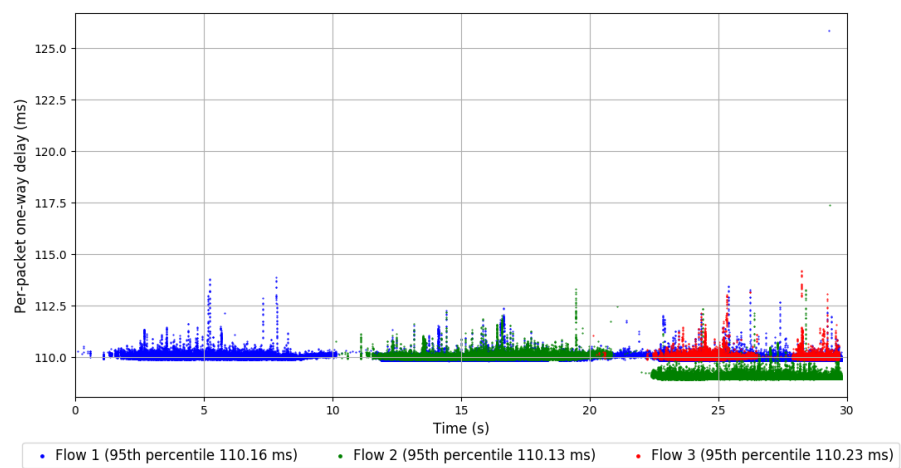
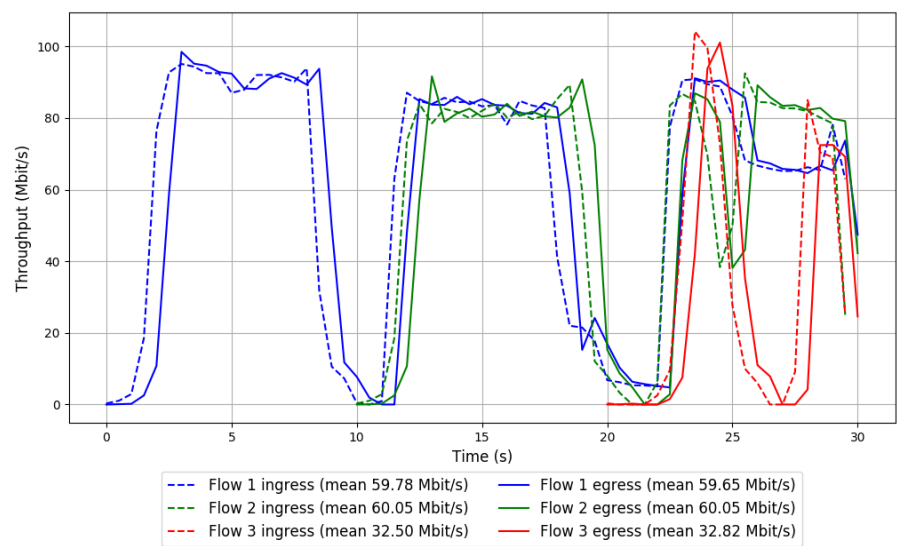
-- Flow 3:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 110.234 ms

Loss rate: 2.48%

Run 5: Report of QUIC Cubic — Data Link

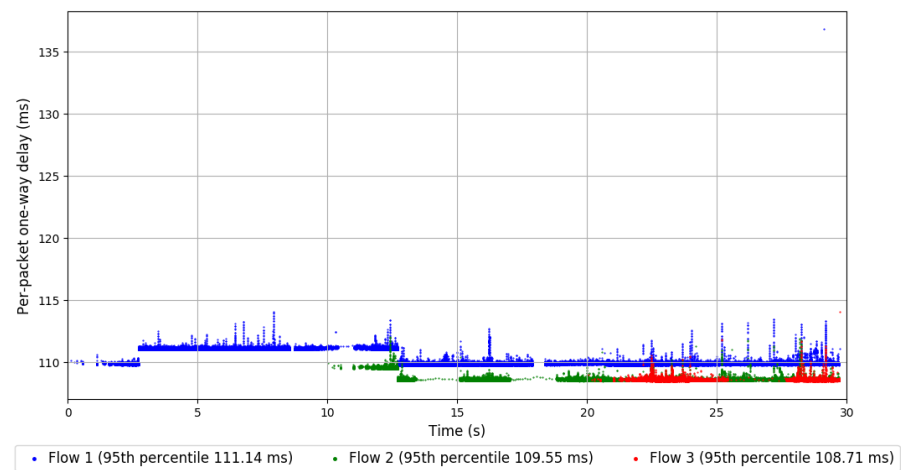
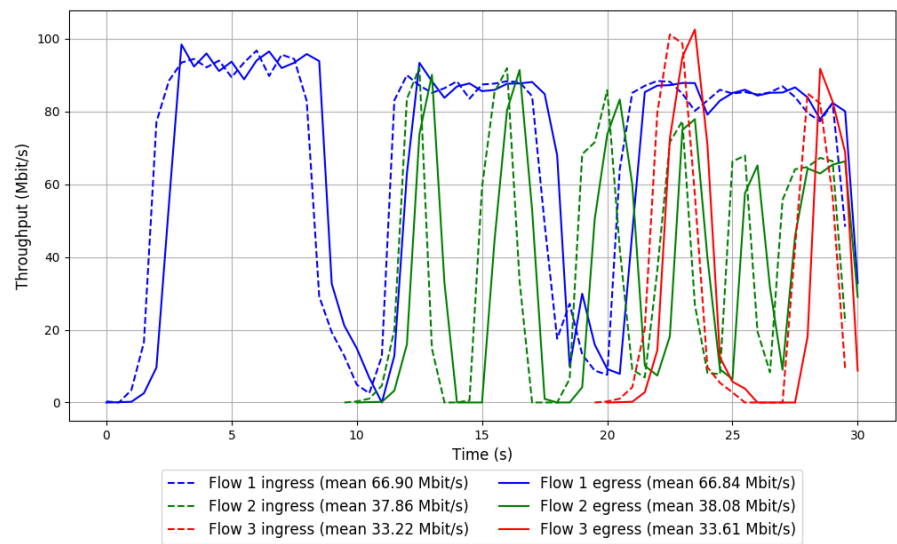


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 20:09:14
End at: 2018-08-01 20:09:44
Local clock offset: -1.613 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 111.114 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 111.137 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 109.551 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 108.710 ms
Loss rate: 0.82%

Run 6: Report of QUIC Cubic — Data Link

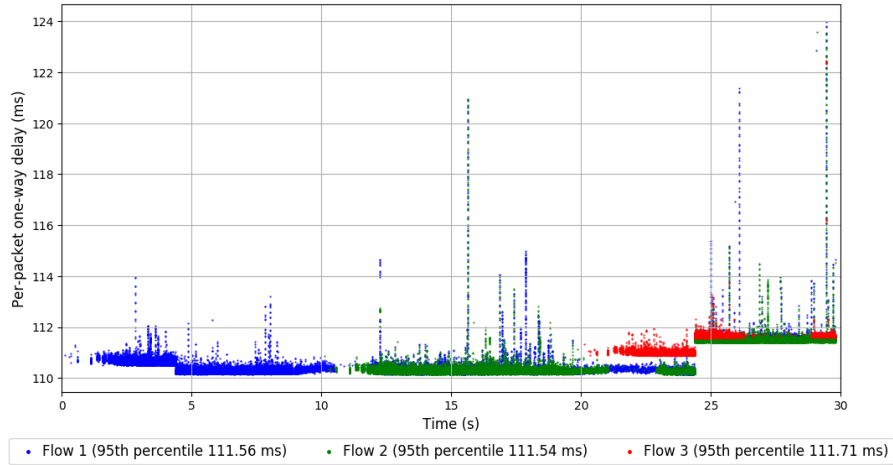
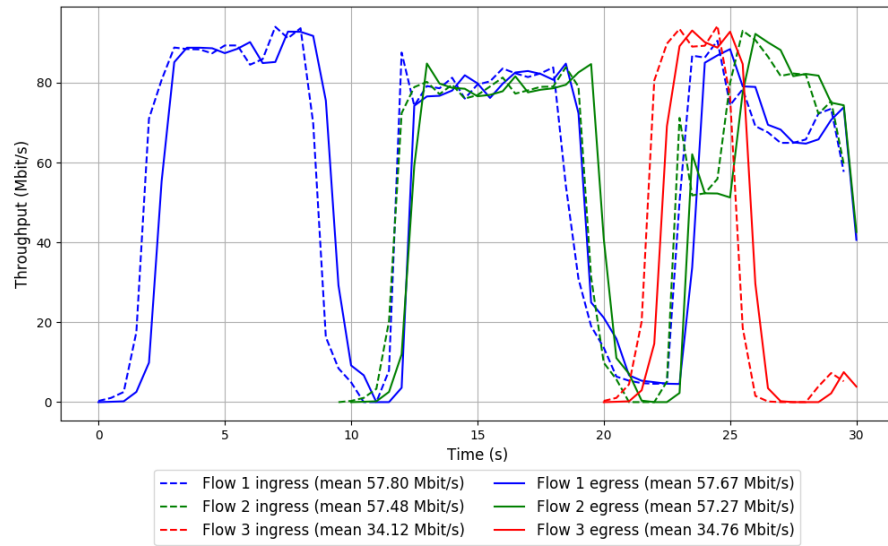


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 20:35:13
End at: 2018-08-01 20:35:43
Local clock offset: 0.106 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.98 Mbit/s
95th percentile per-packet one-way delay: 111.606 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 111.556 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 111.540 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 111.711 ms
Loss rate: 0.43%

Run 7: Report of QUIC Cubic — Data Link

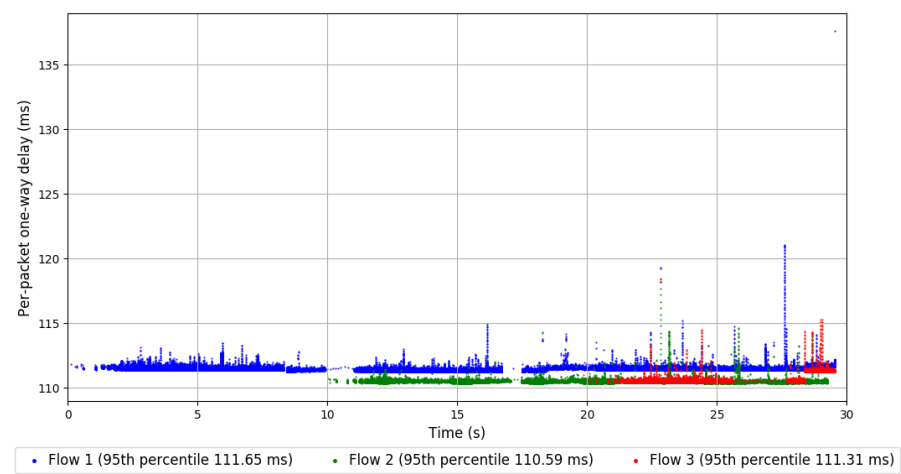
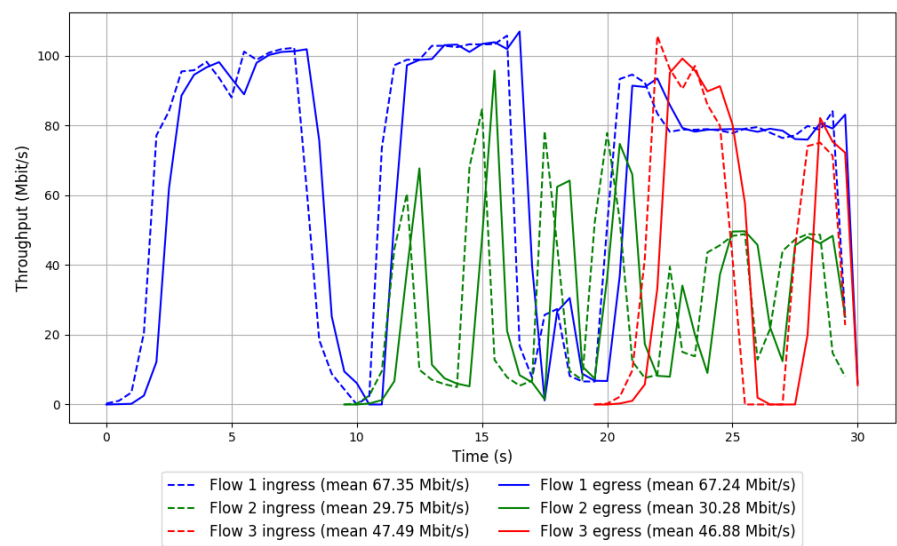


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 21:00:58
End at: 2018-08-01 21:01:28
Local clock offset: -0.095 ms
Remote clock offset: -0.667 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.60 Mbit/s
95th percentile per-packet one-way delay: 111.615 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 67.24 Mbit/s
95th percentile per-packet one-way delay: 111.649 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 110.590 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 111.310 ms
Loss rate: 3.51%

Run 8: Report of QUIC Cubic — Data Link

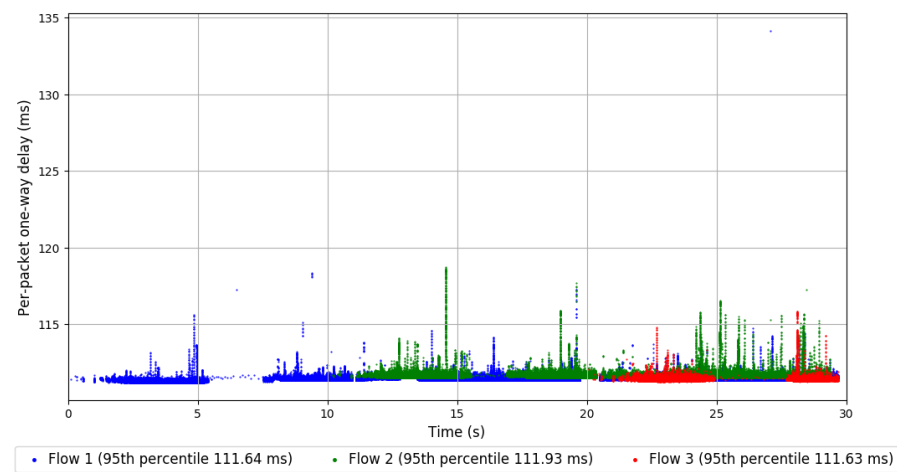
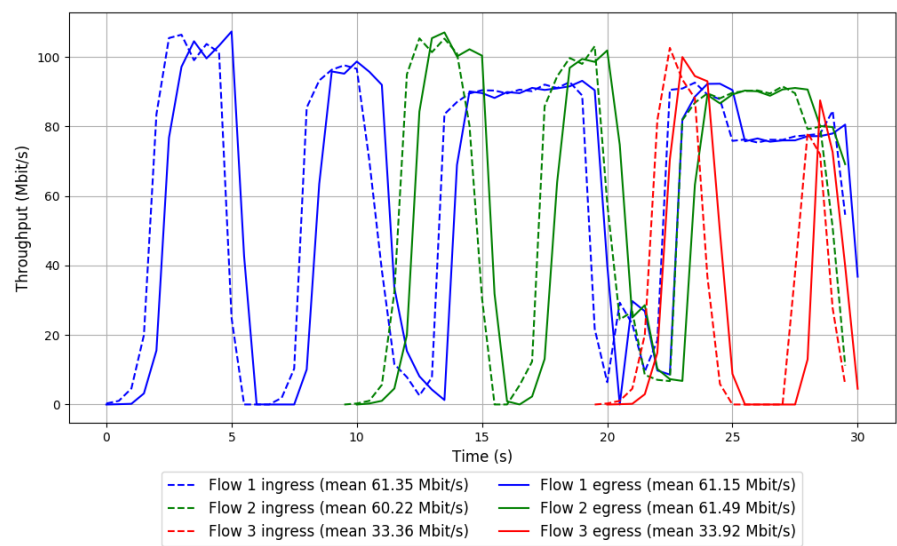


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 21:27:19
End at: 2018-08-01 21:27:49
Local clock offset: -0.103 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.48 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 111.632 ms
Loss rate: 0.61%

Run 9: Report of QUIC Cubic — Data Link

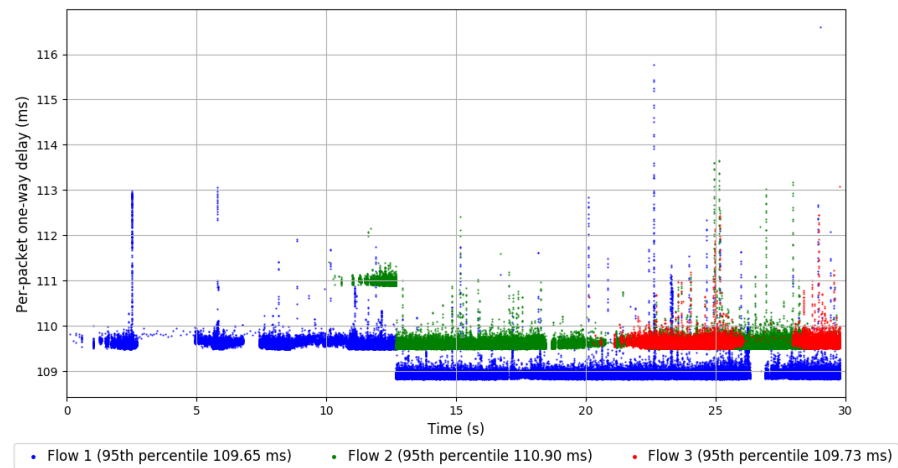
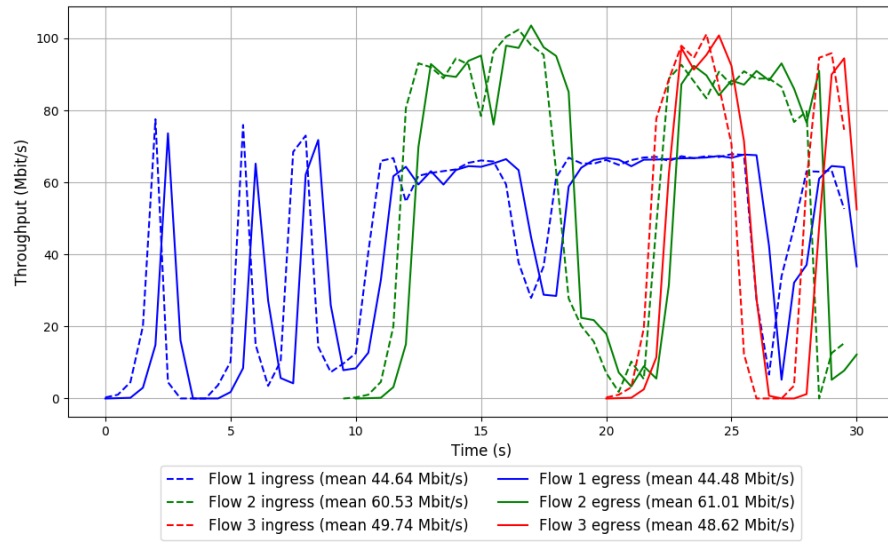


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 21:53:04
End at: 2018-08-01 21:53:34
Local clock offset: -1.505 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.77 Mbit/s
95th percentile per-packet one-way delay: 109.732 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 44.48 Mbit/s
95th percentile per-packet one-way delay: 109.654 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 110.899 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 109.731 ms
Loss rate: 4.41%

Run 10: Report of QUIC Cubic — Data Link

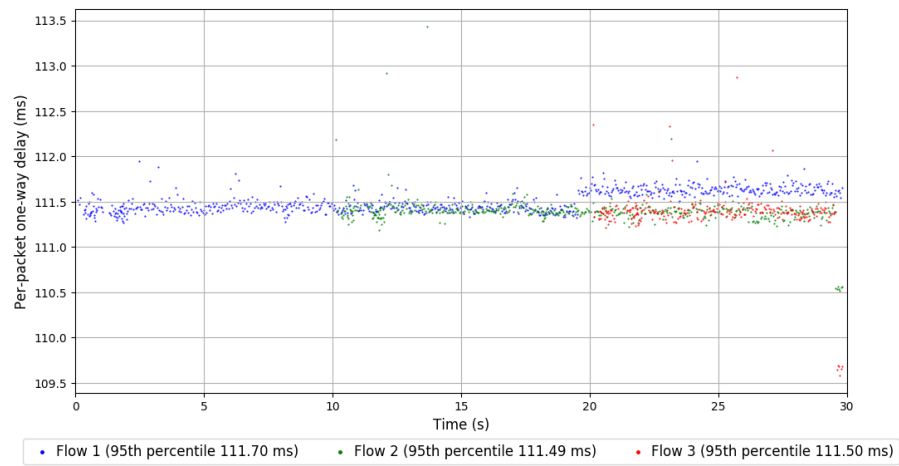
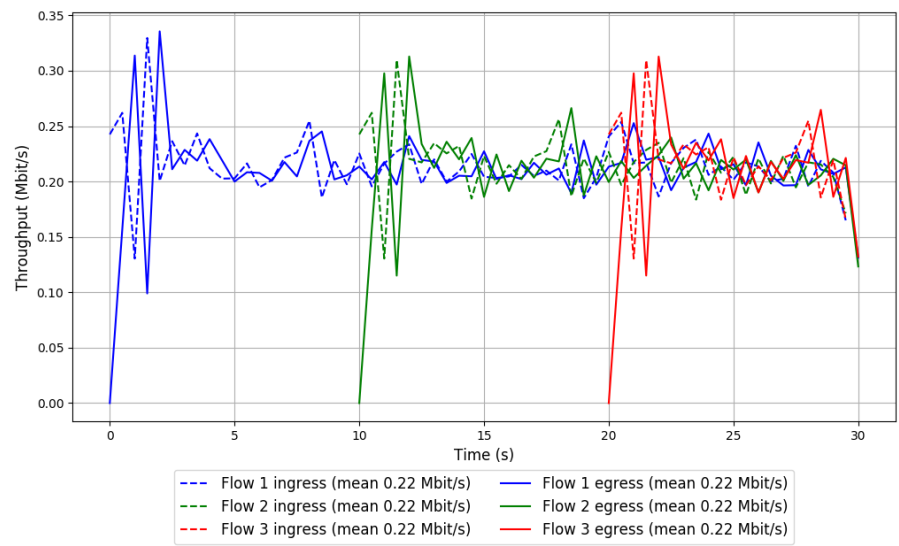


```
Run 1: Statistics of SReAM

Start at: 2018-08-01 17:50:57
End at: 2018-08-01 17:51:27
Local clock offset: -0.131 ms
Remote clock offset: -0.376 ms

# Below is generated by plot.py at 2018-08-02 00:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.674 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.697 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.489 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 1.86%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-08-01 18:16:59

End at: 2018-08-01 18:17:29

Local clock offset: -0.194 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-02 00:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 112.585 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.577 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.622 ms

Loss rate: 0.97%

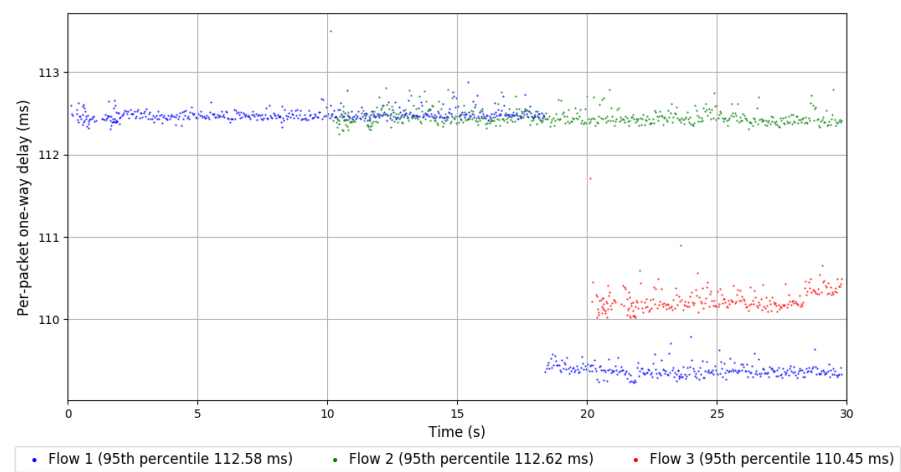
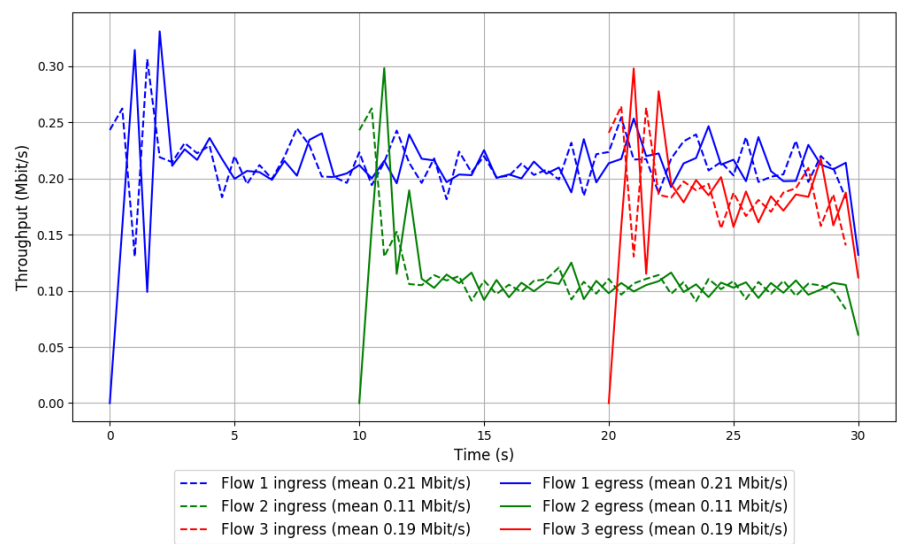
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.446 ms

Loss rate: 1.82%

Run 2: Report of SReAM — Data Link

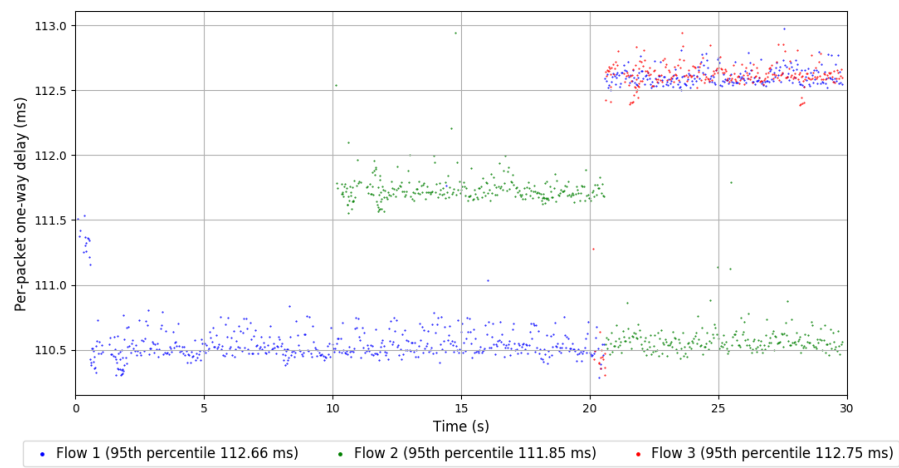
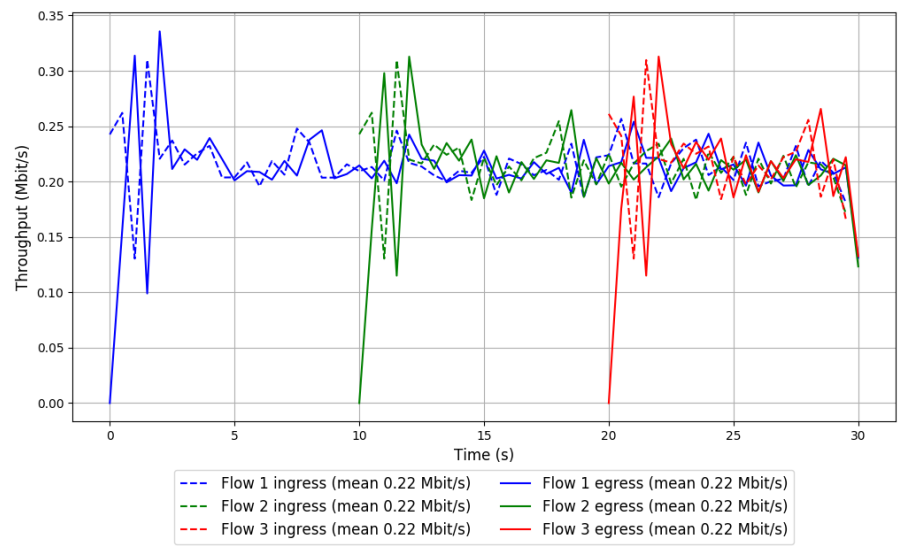


Run 3: Statistics of SReAM

Start at: 2018-08-01 18:44:06
End at: 2018-08-01 18:44:36
Local clock offset: -0.082 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.663 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.750 ms
Loss rate: 1.87%

Run 3: Report of SCReAM — Data Link

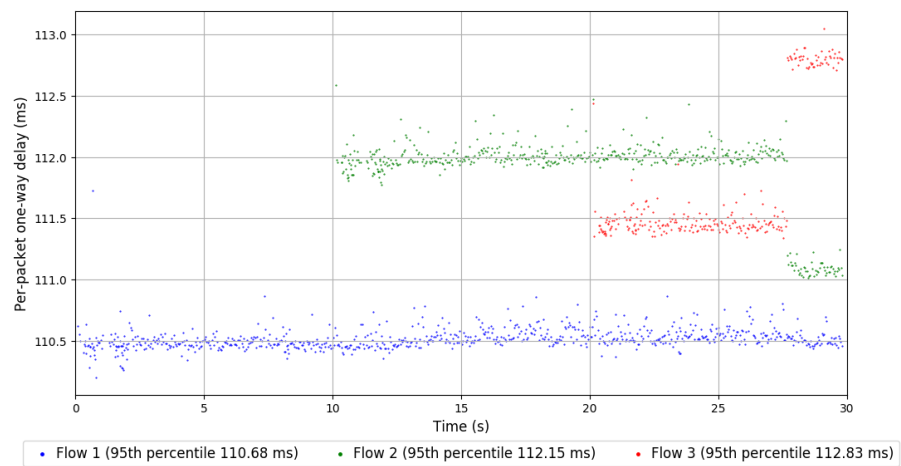
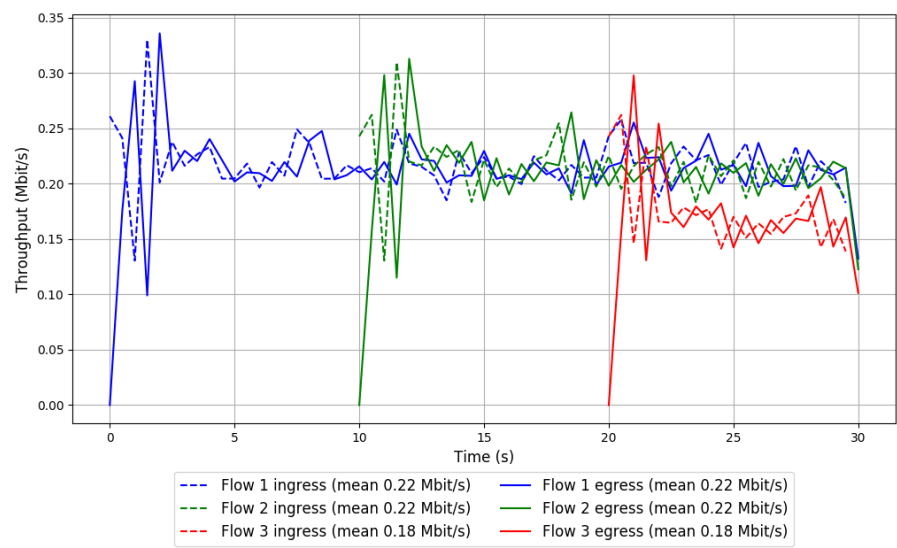


Run 4: Statistics of SReAM

Start at: 2018-08-01 19:11:19
End at: 2018-08-01 19:11:49
Local clock offset: -0.14 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.173 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.676 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.146 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.825 ms
Loss rate: 2.11%

Run 4: Report of SReAM — Data Link

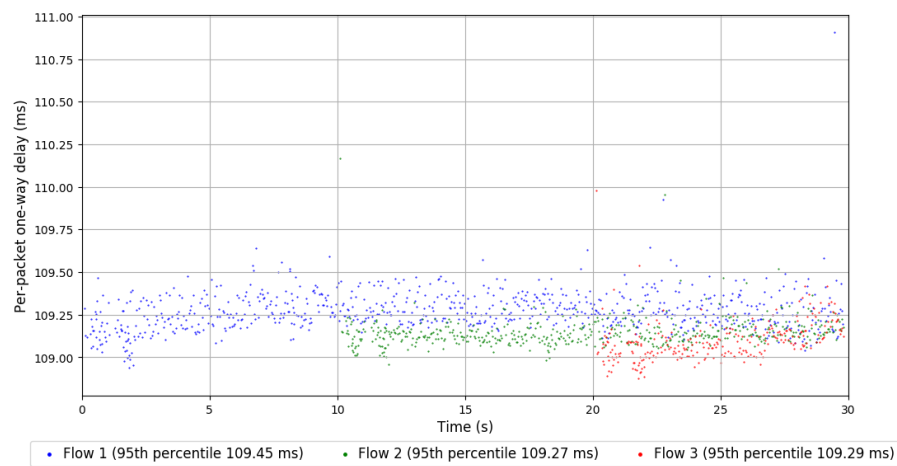
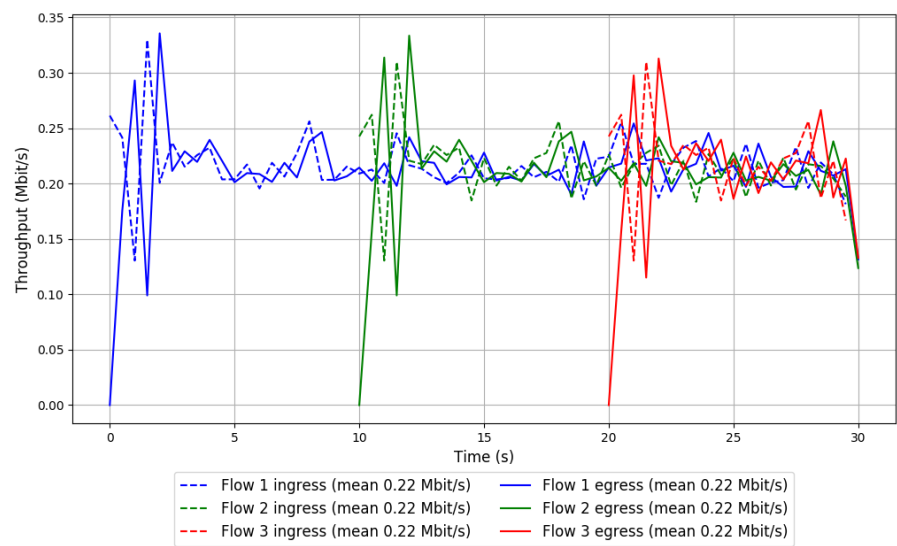


Run 5: Statistics of SReAM

Start at: 2018-08-01 19:37:10
End at: 2018-08-01 19:37:40
Local clock offset: -1.486 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.416 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.453 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.265 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.289 ms
Loss rate: 1.87%

Run 5: Report of SReAM — Data Link

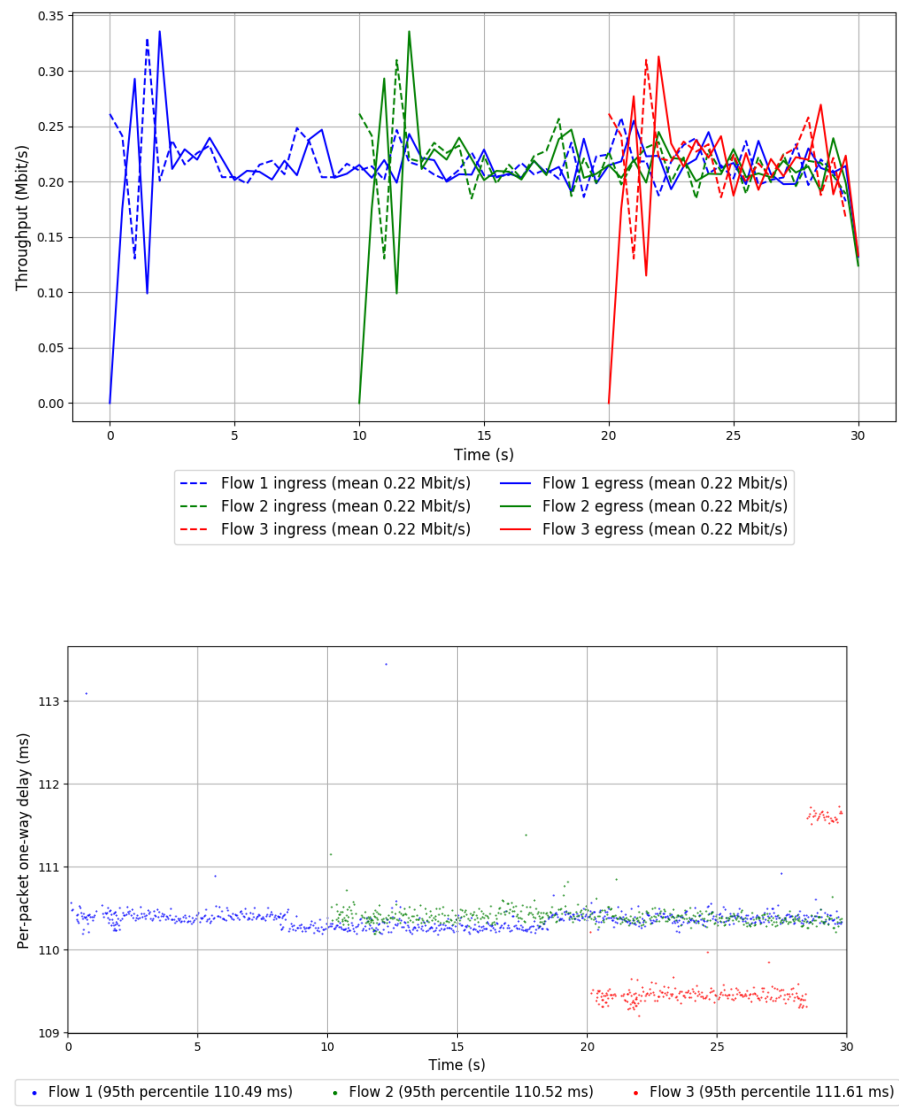


Run 6: Statistics of SReAM

Start at: 2018-08-01 20:03:19
End at: 2018-08-01 20:03:49
Local clock offset: -0.246 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.517 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.491 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.523 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.614 ms
Loss rate: 1.86%

Run 6: Report of SReAM — Data Link

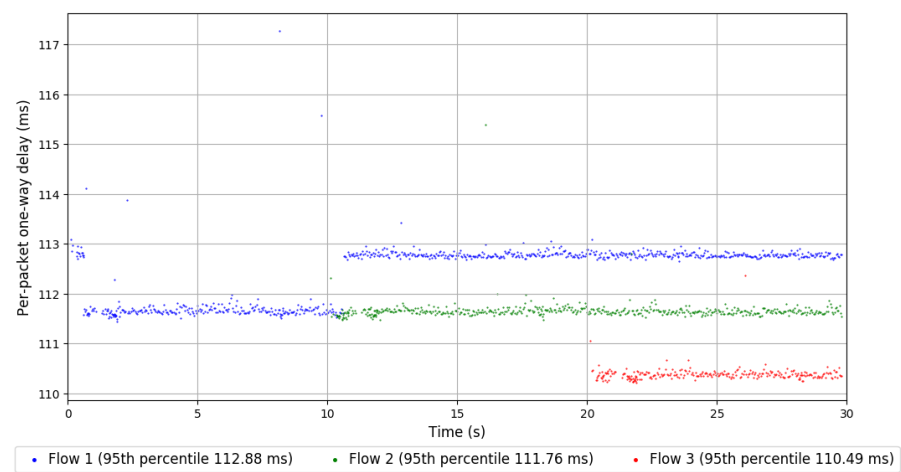
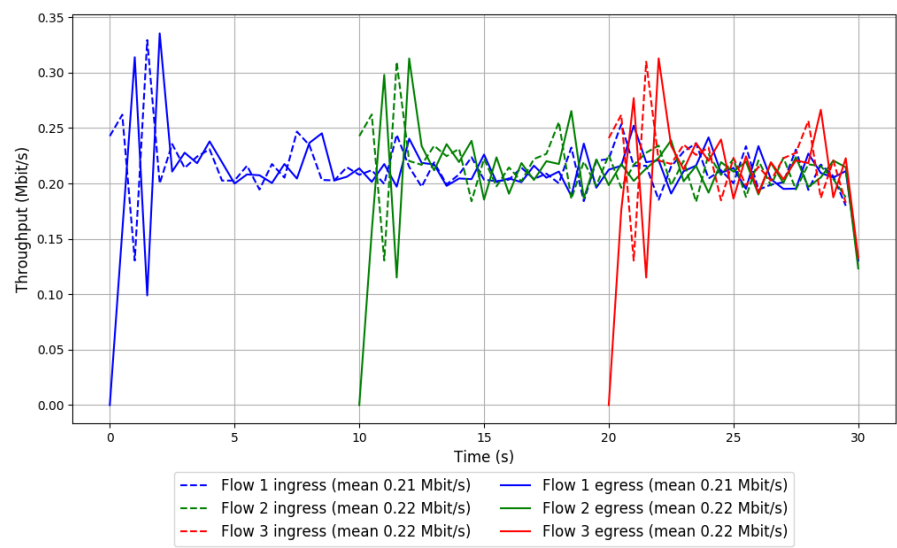


Run 7: Statistics of SReAM

Start at: 2018-08-01 20:29:16
End at: 2018-08-01 20:29:46
Local clock offset: -0.111 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.834 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.756 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.491 ms
Loss rate: 2.21%

Run 7: Report of SReAM — Data Link

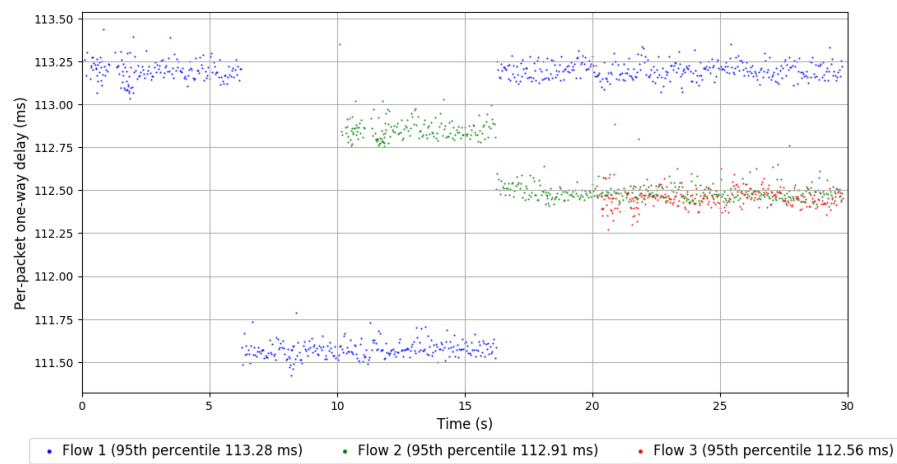
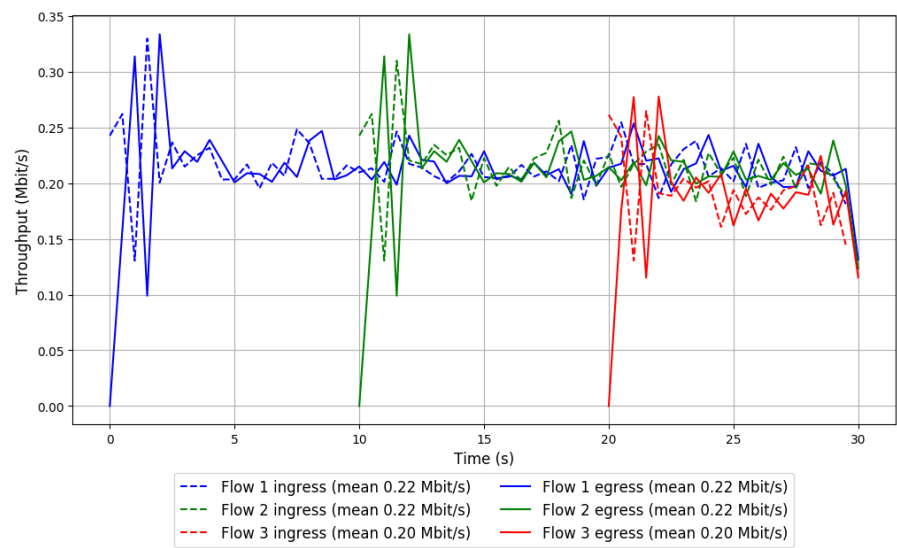


Run 8: Statistics of SReAM

Start at: 2018-08-01 20:55:01
End at: 2018-08-01 20:55:31
Local clock offset: 1.188 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 113.252 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.275 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.908 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.564 ms
Loss rate: 1.83%

Run 8: Report of SReAM — Data Link

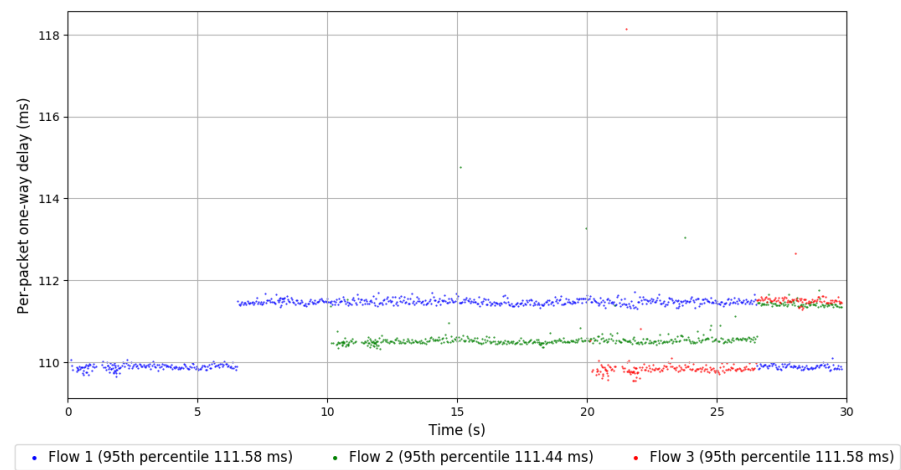
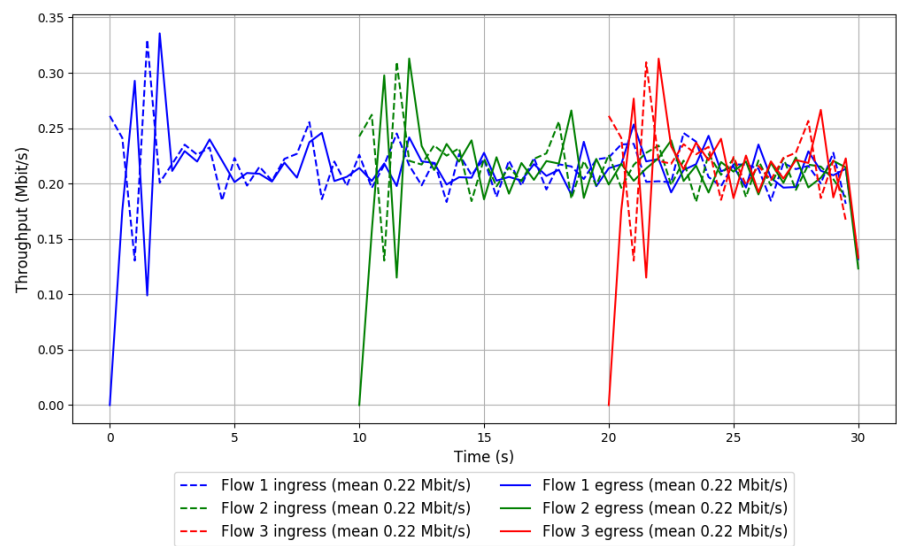


Run 9: Statistics of SReAM

Start at: 2018-08-01 21:21:21
End at: 2018-08-01 21:21:51
Local clock offset: 0.134 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.567 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.584 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.445 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.581 ms
Loss rate: 1.86%

Run 9: Report of SReAM — Data Link

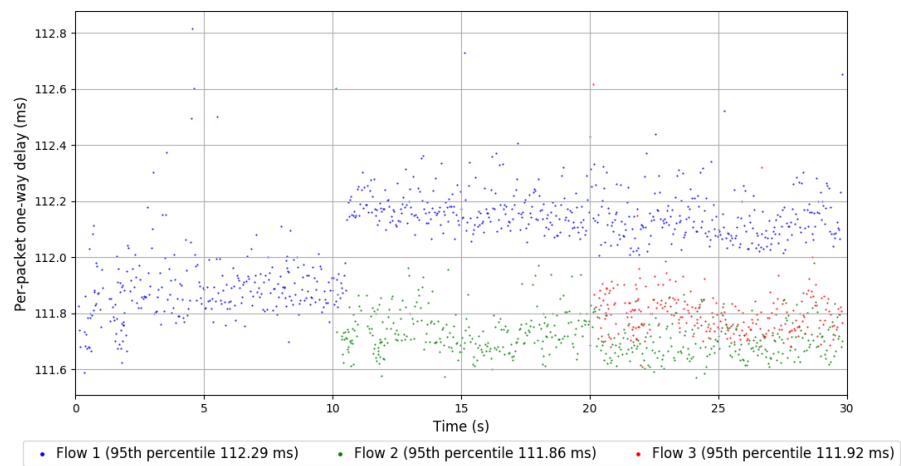
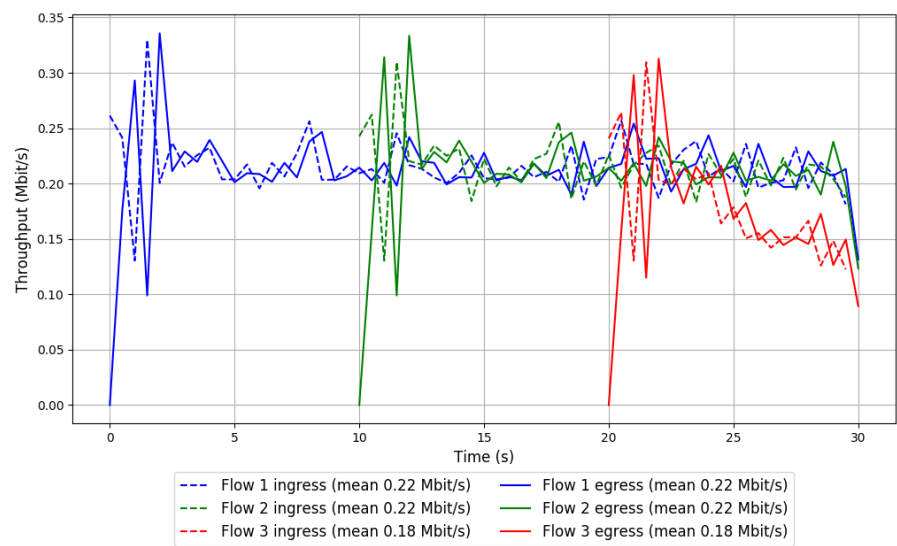


Run 10: Statistics of SReAM

Start at: 2018-08-01 21:47:07
End at: 2018-08-01 21:47:37
Local clock offset: -0.052 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.241 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.289 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.855 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.920 ms
Loss rate: 2.32%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 18:07:51

End at: 2018-08-01 18:08:21

Local clock offset: -0.065 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-08-02 00:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 112.194 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.454 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.65%

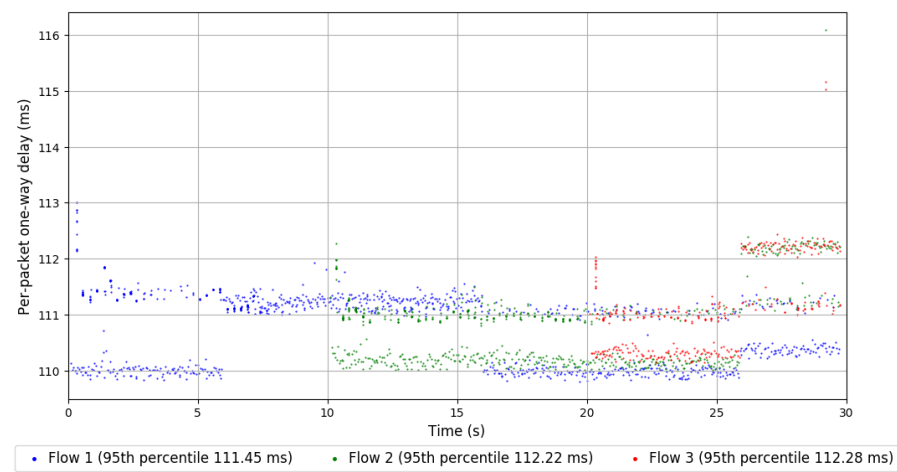
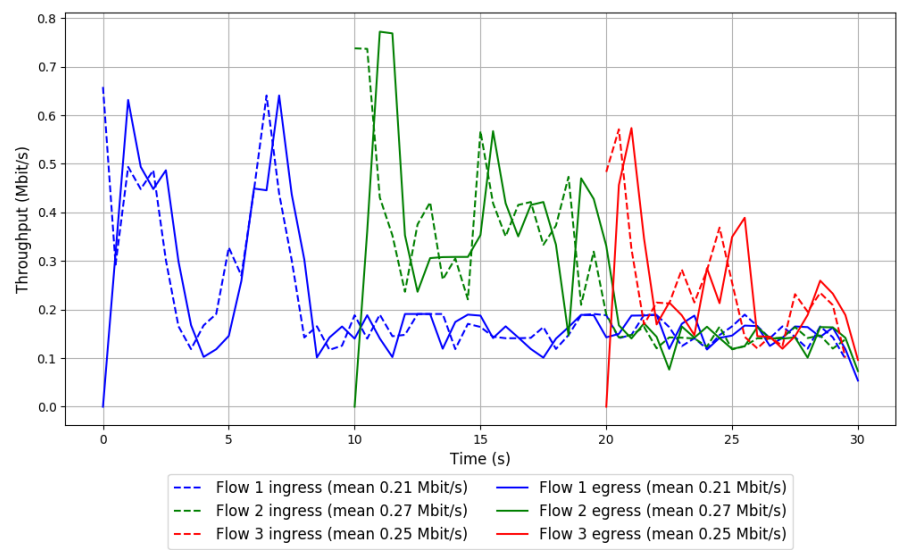
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.284 ms

Loss rate: 0.61%

Run 1: Report of Sprout — Data Link

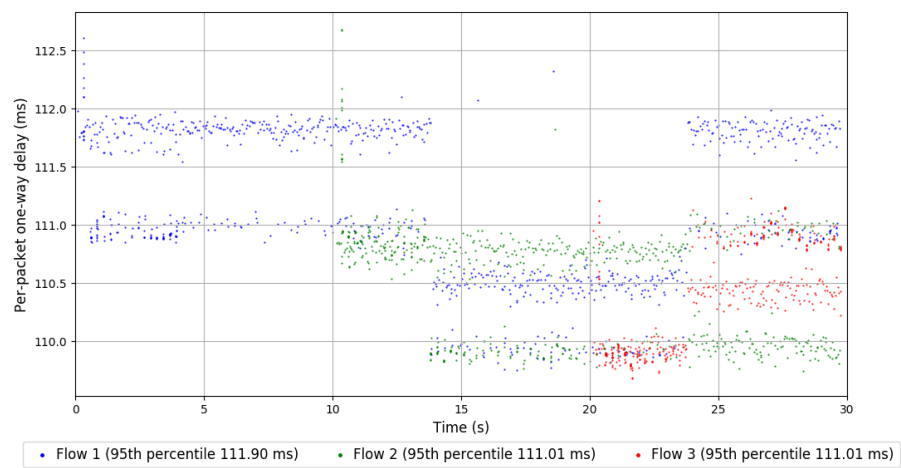
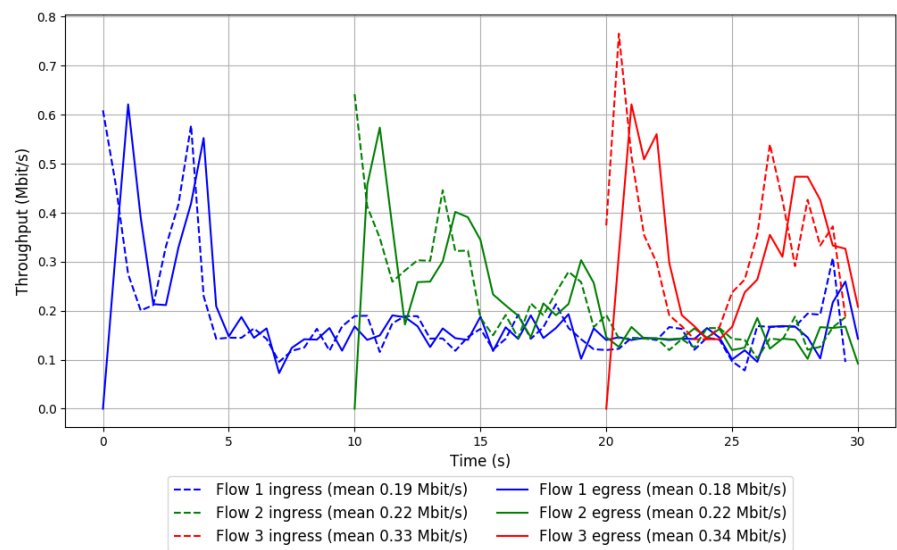


Run 2: Statistics of Sprout

Start at: 2018-08-01 18:34:13
End at: 2018-08-01 18:34:43
Local clock offset: -1.28 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.875 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.014 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 0.44%

Run 2: Report of Sprout — Data Link

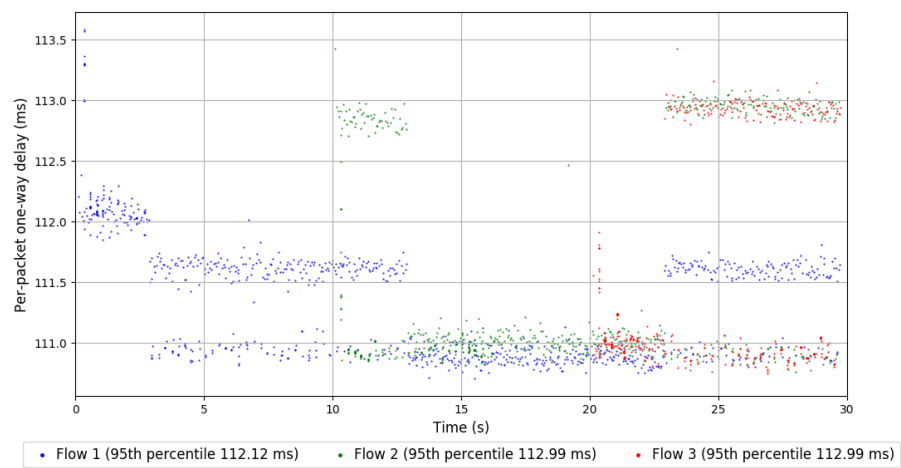
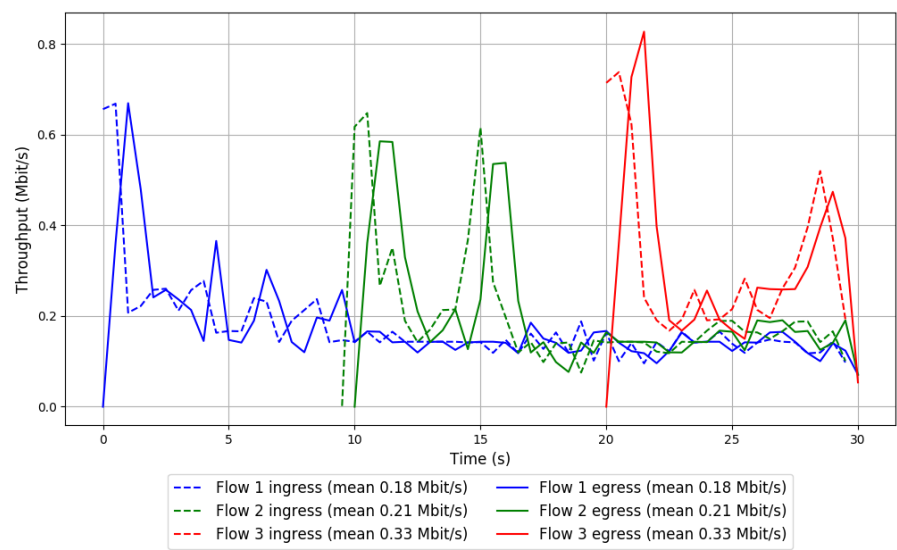


Run 3: Statistics of Sprout

Start at: 2018-08-01 19:01:54
End at: 2018-08-01 19:02:24
Local clock offset: 0.03 ms
Remote clock offset: -0.51 ms

```
# Below is generated by plot.py at 2018-08-02 00:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.973 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.120 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.991 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.988 ms
Loss rate: 2.92%
```


Run 3: Report of Sprout — Data Link

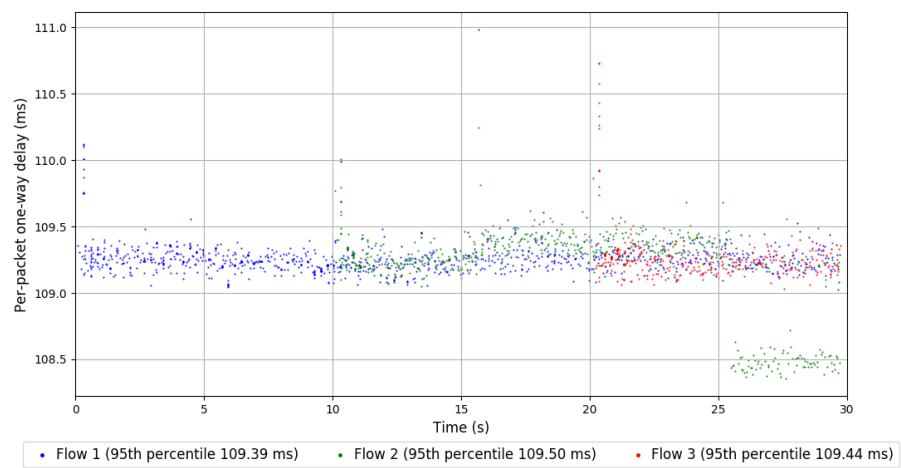
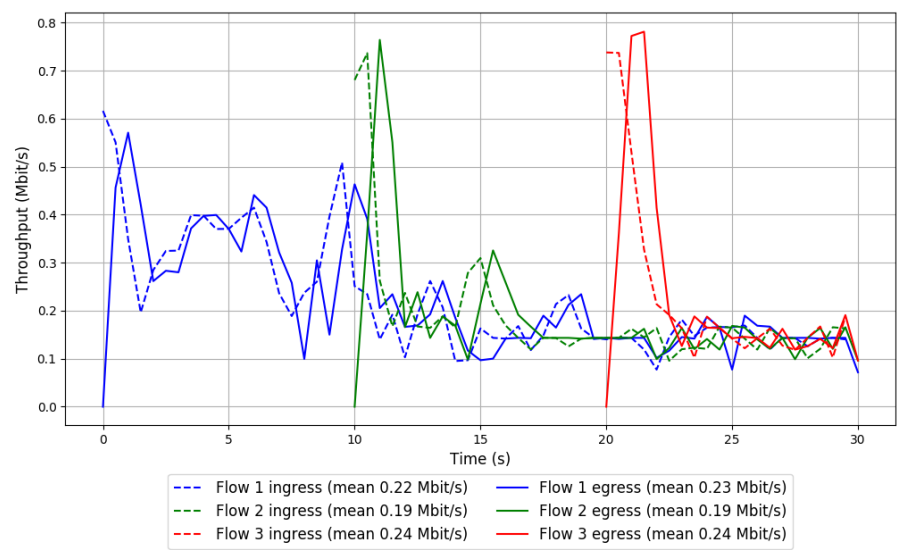


Run 4: Statistics of Sprout

Start at: 2018-08-01 19:28:02
End at: 2018-08-01 19:28:32
Local clock offset: -1.327 ms
Remote clock offset: -0.132 ms

```
# Below is generated by plot.py at 2018-08-02 00:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.453 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 109.395 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 109.504 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 109.444 ms
Loss rate: 1.98%
```

Run 4: Report of Sprout — Data Link

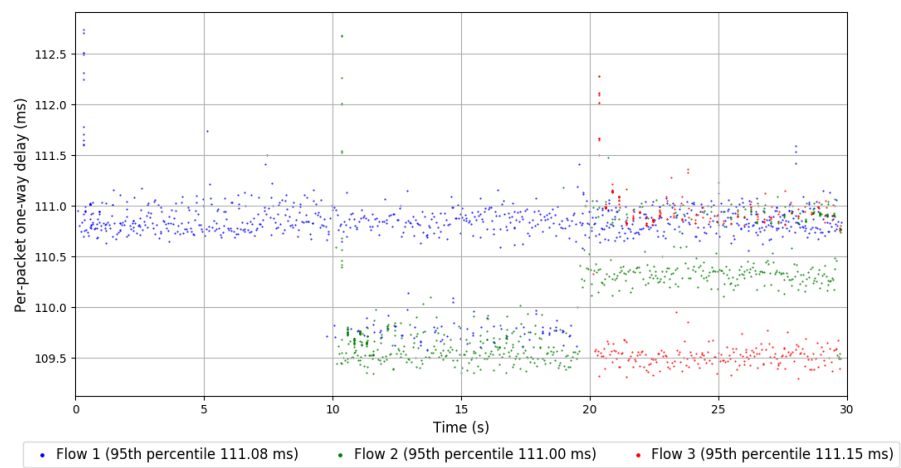
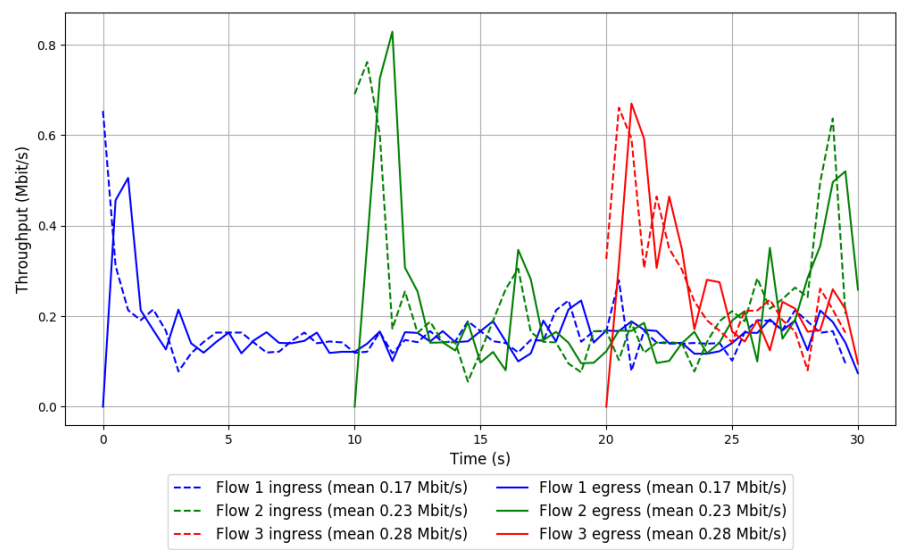


Run 5: Statistics of Sprout

Start at: 2018-08-01 19:53:57
End at: 2018-08-01 19:54:27
Local clock offset: -0.509 ms
Remote clock offset: 0.219 ms

```
# Below is generated by plot.py at 2018-08-02 00:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.083 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.083 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.997 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.148 ms
Loss rate: 1.31%
```

Run 5: Report of Sprout — Data Link

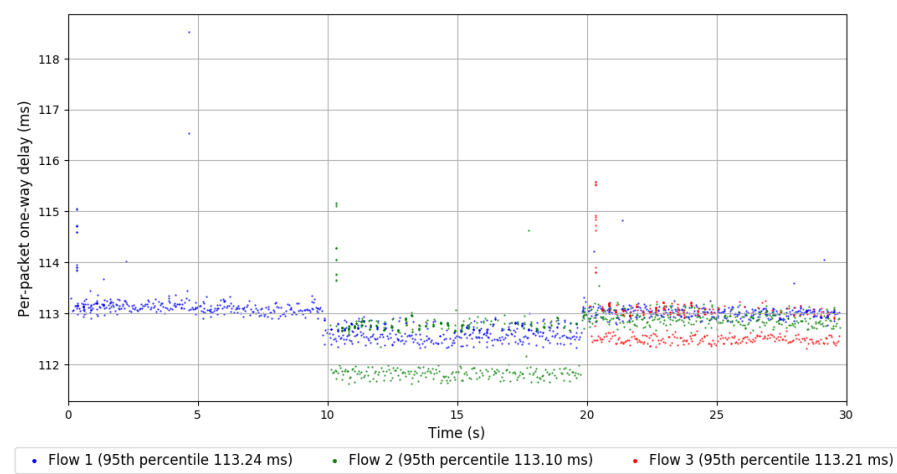
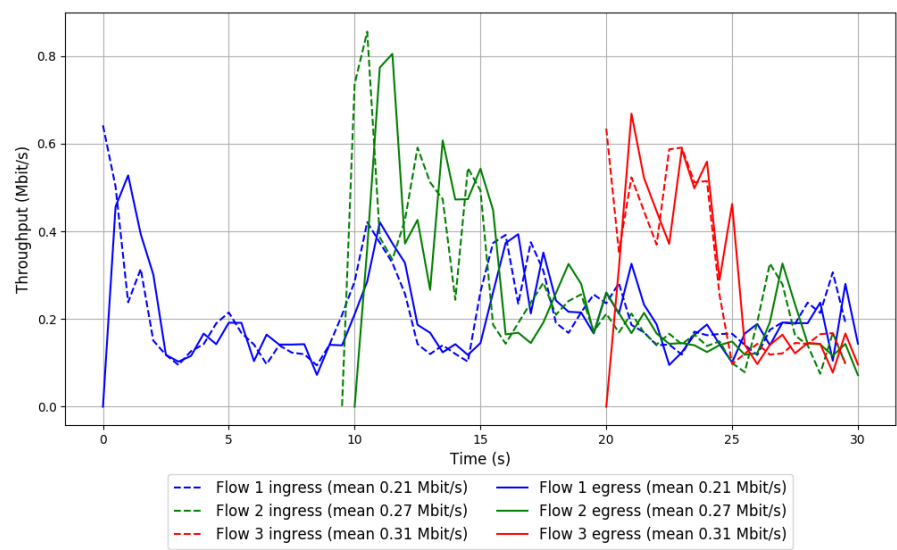


Run 6: Statistics of Sprout

Start at: 2018-08-01 20:19:57
End at: 2018-08-01 20:20:27
Local clock offset: 1.077 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 113.208 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.244 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 113.104 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 1.54%

Run 6: Report of Sprout — Data Link

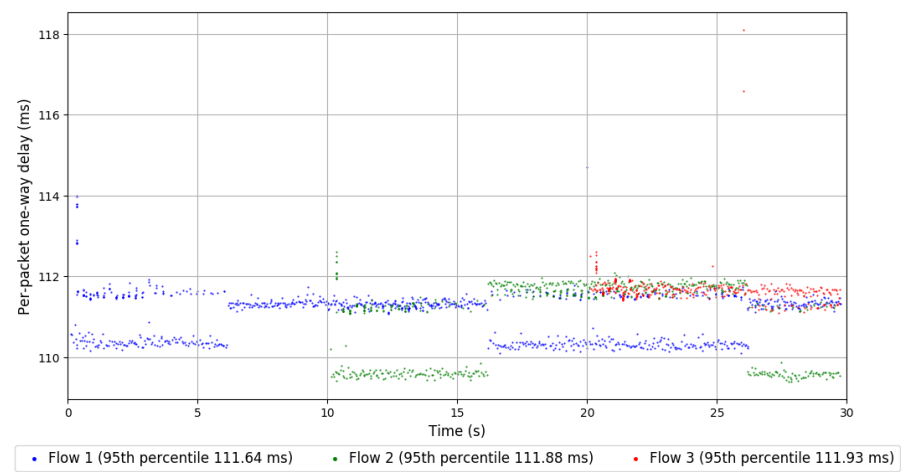
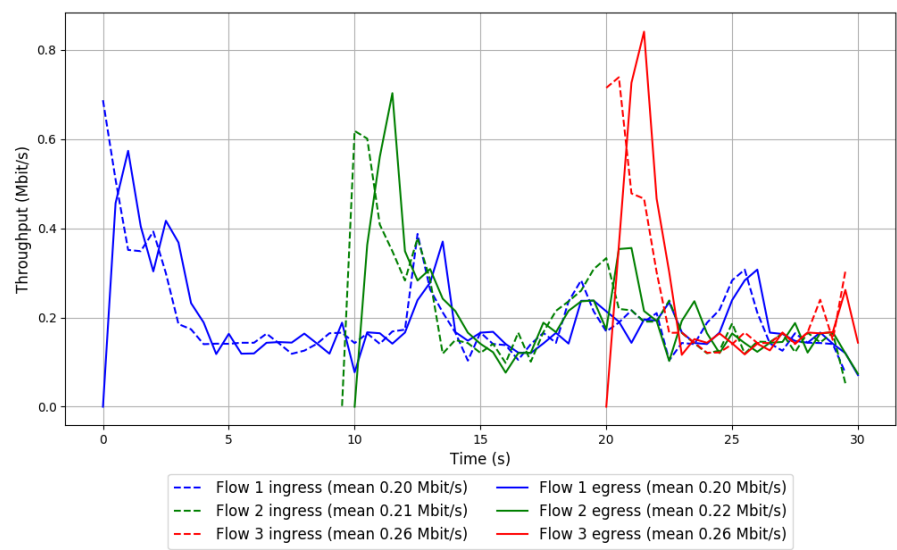


Run 7: Statistics of Sprout

Start at: 2018-08-01 20:45:51
End at: 2018-08-01 20:46:21
Local clock offset: -0.033 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.870 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.644 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.884 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 3.19%

Run 7: Report of Sprout — Data Link

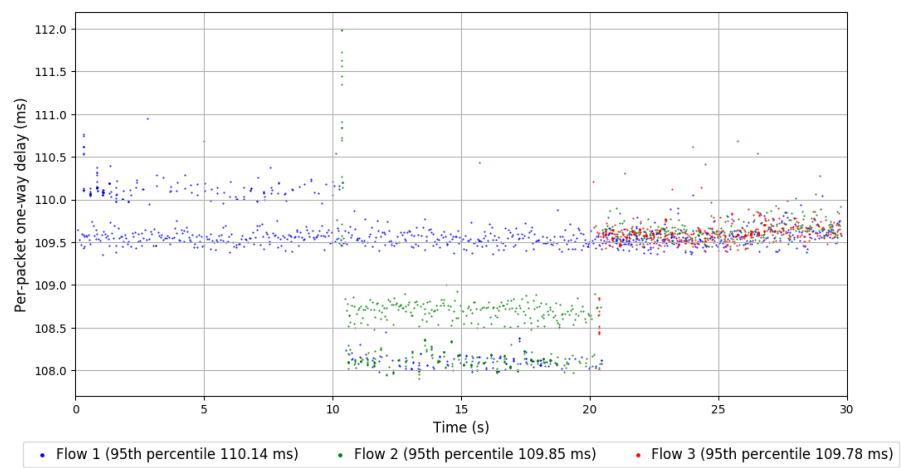
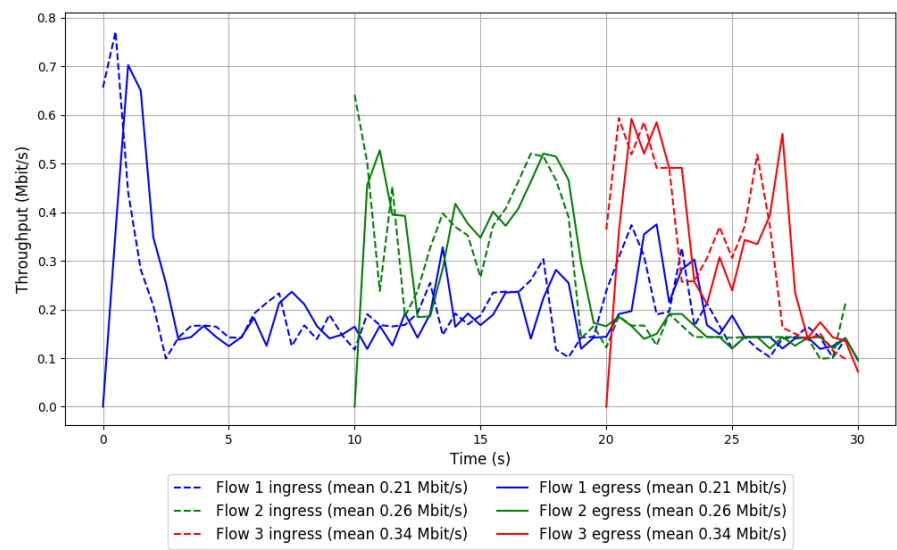


Run 8: Statistics of Sprout

Start at: 2018-08-01 21:12:07
End at: 2018-08-01 21:12:37
Local clock offset: -1.282 ms
Remote clock offset: 0.144 ms

```
# Below is generated by plot.py at 2018-08-02 00:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 110.107 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.141 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 109.854 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 109.782 ms
Loss rate: 0.44%
```

Run 8: Report of Sprout — Data Link

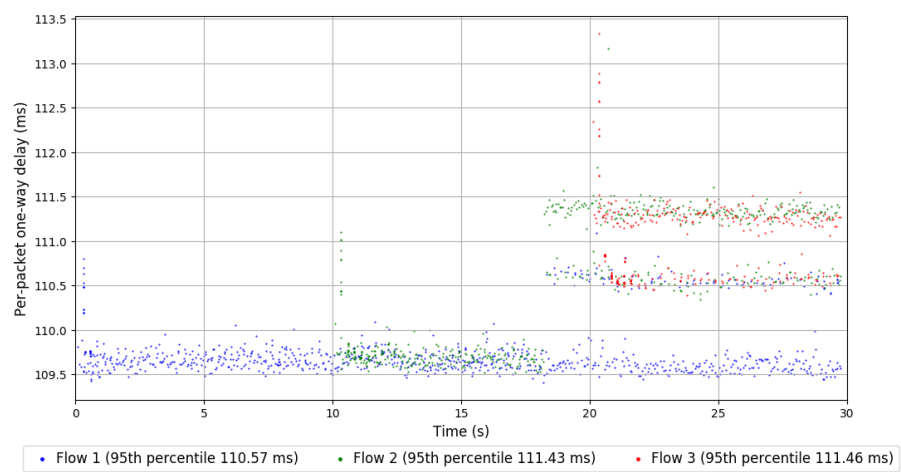
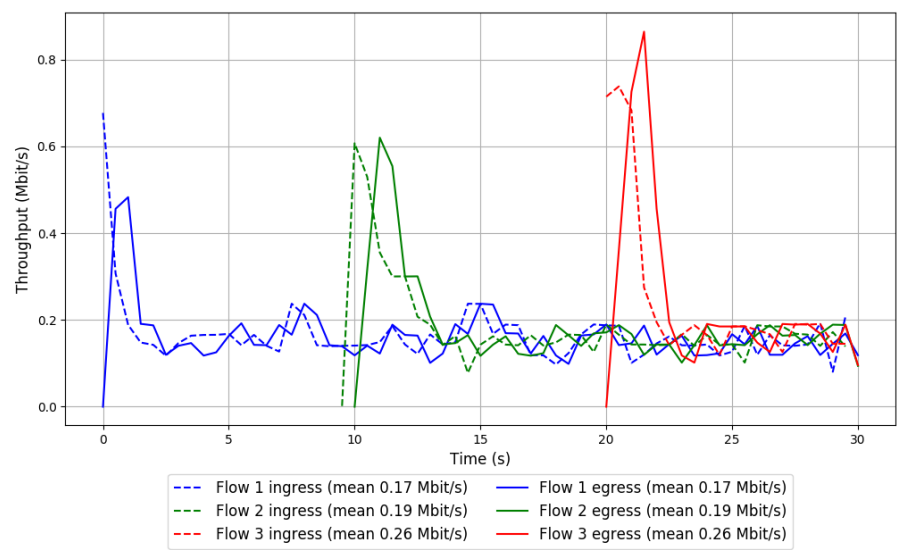


Run 9: Statistics of Sprout

Start at: 2018-08-01 21:37:49
End at: 2018-08-01 21:38:19
Local clock offset: -0.378 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.393 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.566 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.429 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.462 ms
Loss rate: 1.86%

Run 9: Report of Sprout — Data Link

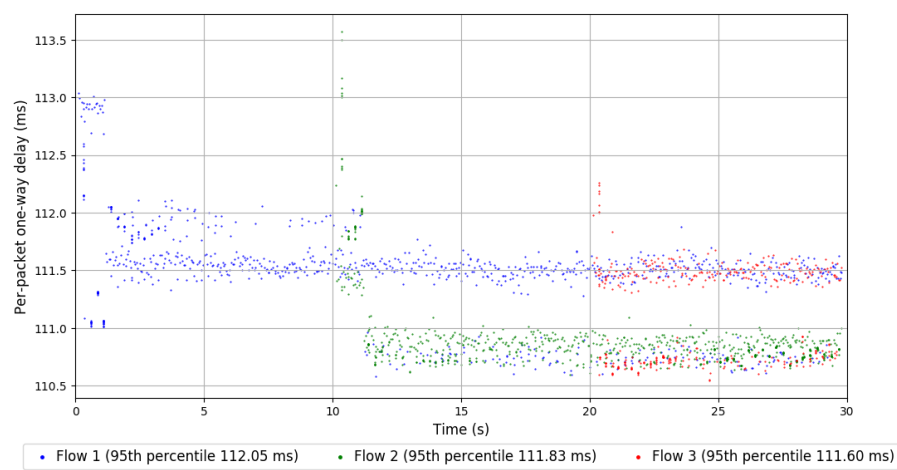
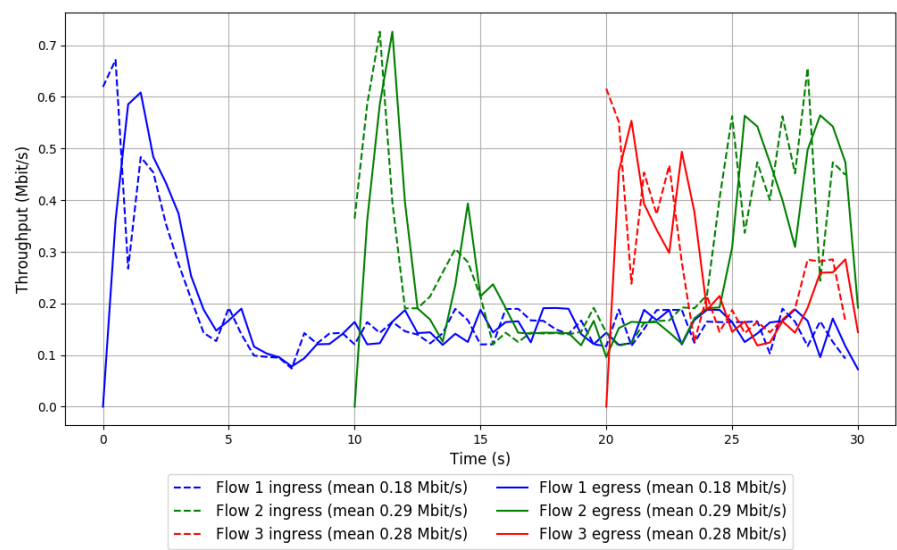


Run 10: Statistics of Sprout

Start at: 2018-08-01 22:04:16
End at: 2018-08-01 22:04:46
Local clock offset: -0.256 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-02 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 111.968 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.602 ms
Loss rate: 2.91%

Run 10: Report of Sprout — Data Link

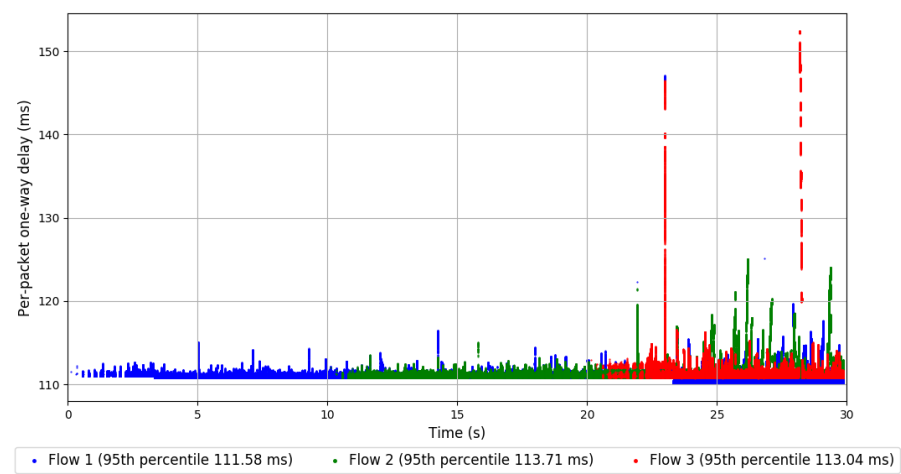
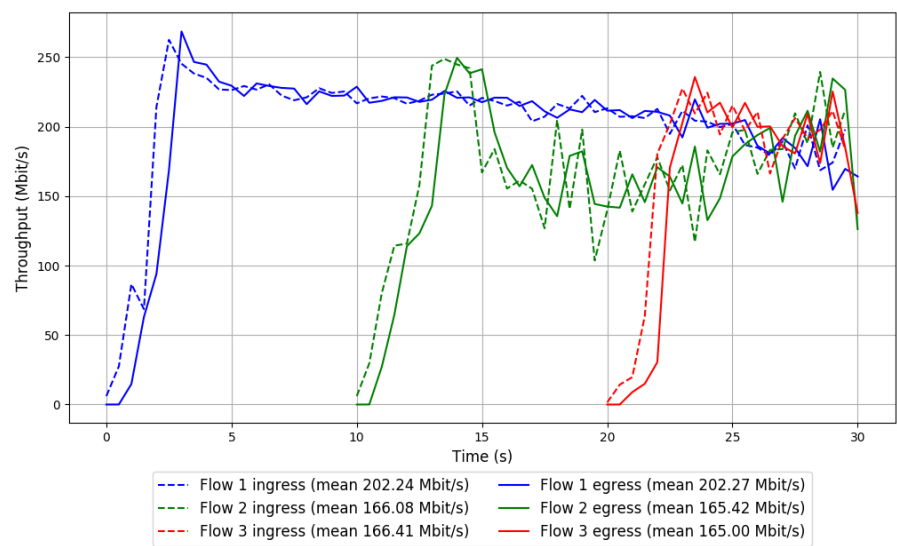


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 18:00:44
End at: 2018-08-01 18:01:14
Local clock offset: -0.32 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-08-02 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.87 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 202.27 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 165.42 Mbit/s
95th percentile per-packet one-way delay: 113.707 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 165.00 Mbit/s
95th percentile per-packet one-way delay: 113.041 ms
Loss rate: 3.11%

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

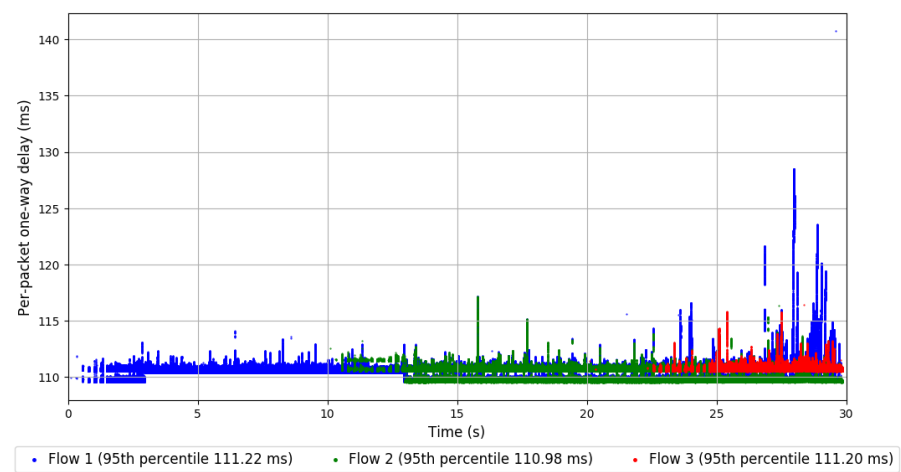
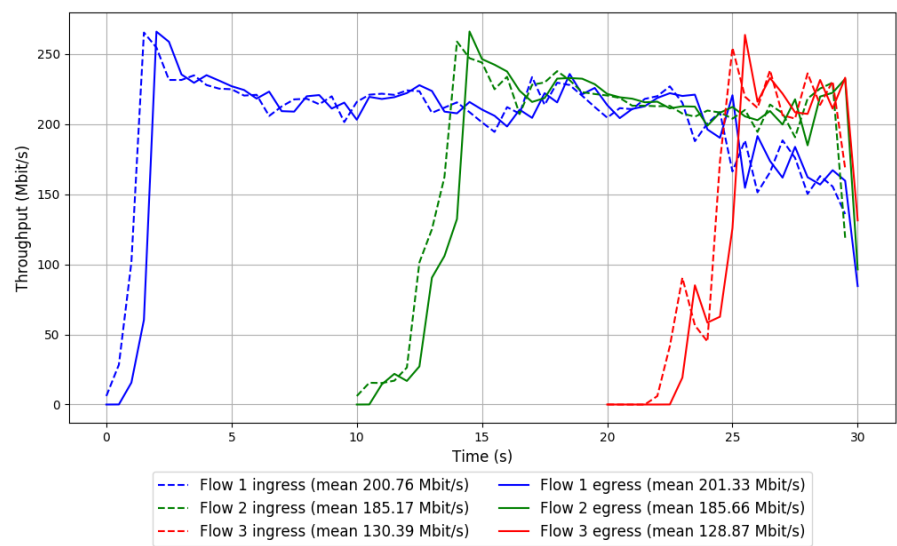


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 18:26:54
End at: 2018-08-01 18:27:24
Local clock offset: -1.303 ms
Remote clock offset: -0.684 ms

Below is generated by plot.py at 2018-08-02 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.17 Mbit/s
95th percentile per-packet one-way delay: 111.132 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 111.224 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 185.66 Mbit/s
95th percentile per-packet one-way delay: 110.982 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 128.87 Mbit/s
95th percentile per-packet one-way delay: 111.200 ms
Loss rate: 3.38%

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

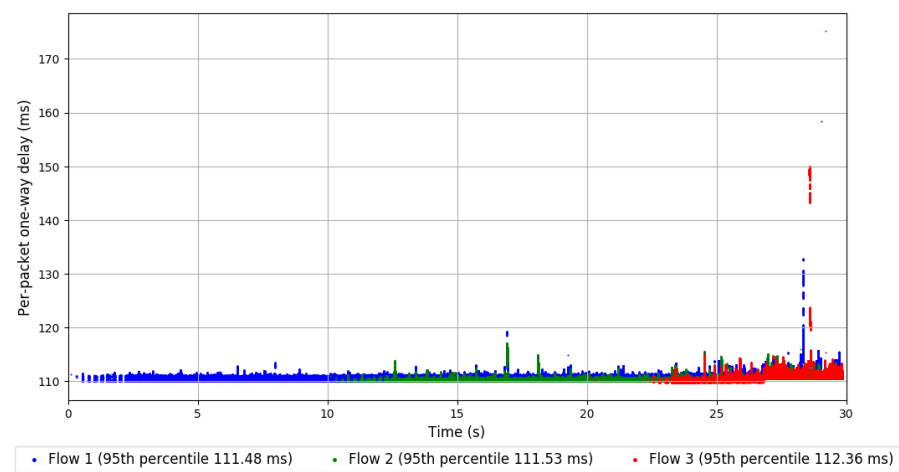
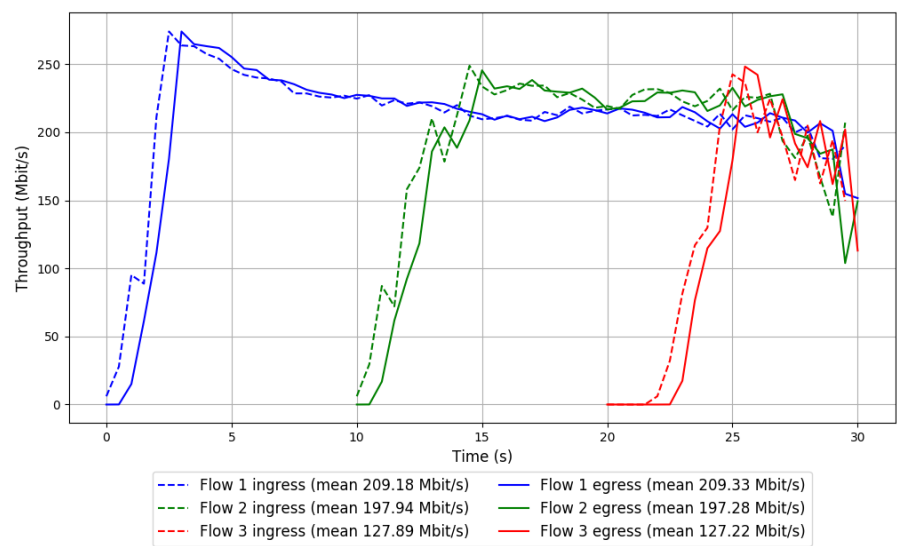


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 18:54:20
End at: 2018-08-01 18:54:50
Local clock offset: -0.287 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-08-02 00:29:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.85 Mbit/s
95th percentile per-packet one-way delay: 111.599 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 209.33 Mbit/s
95th percentile per-packet one-way delay: 111.479 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 111.535 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 127.22 Mbit/s
95th percentile per-packet one-way delay: 112.363 ms
Loss rate: 2.76%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 19:21:10

End at: 2018-08-01 19:21:40

Local clock offset: -0.067 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-08-02 00:29:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.18 Mbit/s

95th percentile per-packet one-way delay: 111.347 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 84.39 Mbit/s

95th percentile per-packet one-way delay: 111.480 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 172.93 Mbit/s

95th percentile per-packet one-way delay: 111.112 ms

Loss rate: 0.84%

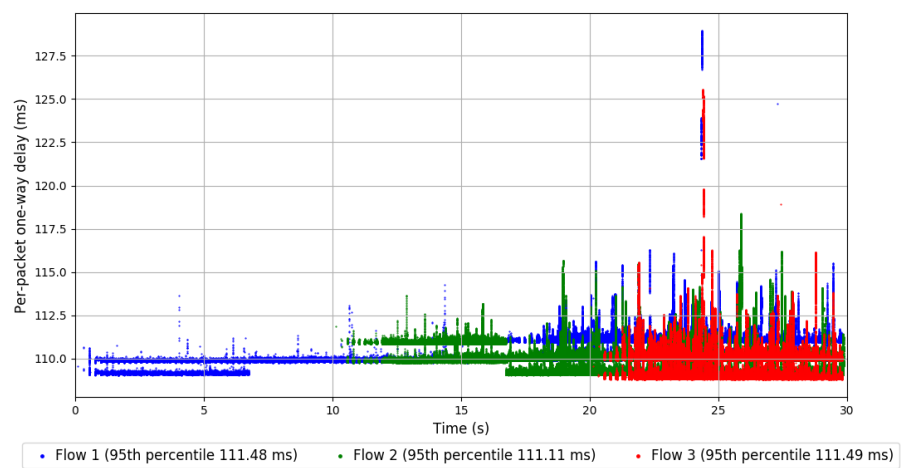
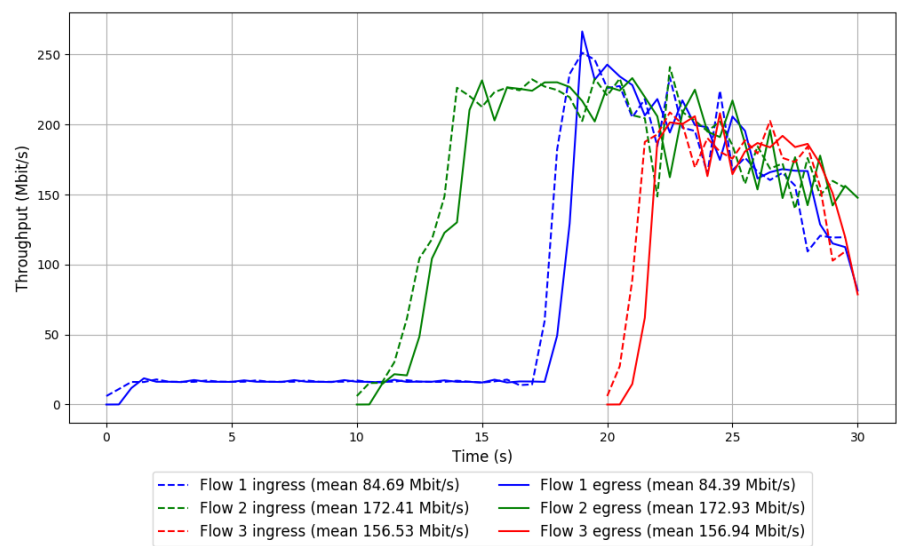
-- Flow 3:

Average throughput: 156.94 Mbit/s

95th percentile per-packet one-way delay: 111.486 ms

Loss rate: 1.86%

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

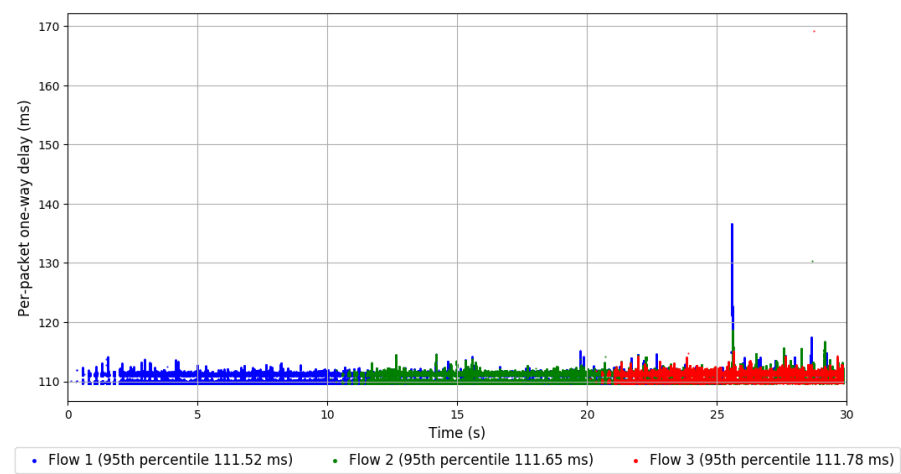
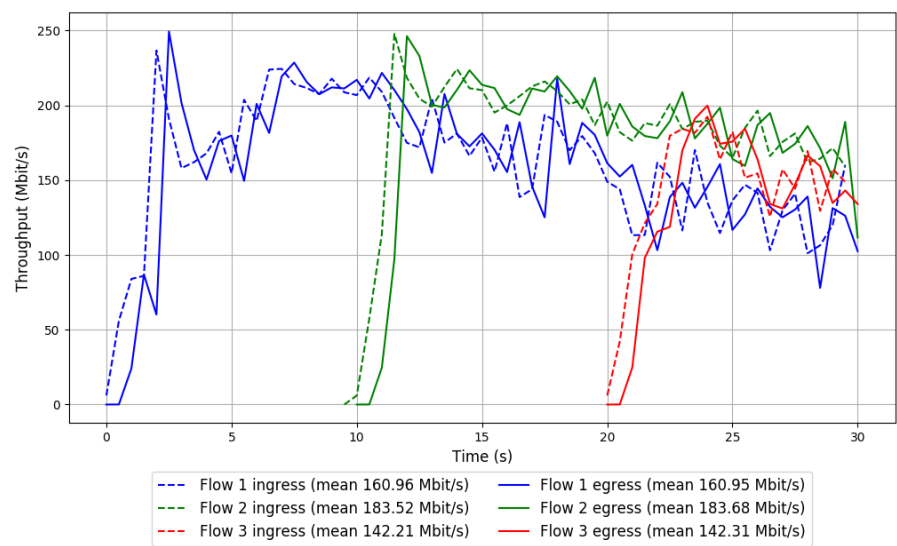


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 19:47:02
End at: 2018-08-01 19:47:32
Local clock offset: -0.513 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-02 00:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.33 Mbit/s
95th percentile per-packet one-way delay: 111.621 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 160.95 Mbit/s
95th percentile per-packet one-way delay: 111.519 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 183.68 Mbit/s
95th percentile per-packet one-way delay: 111.648 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 142.31 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 2.14%

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

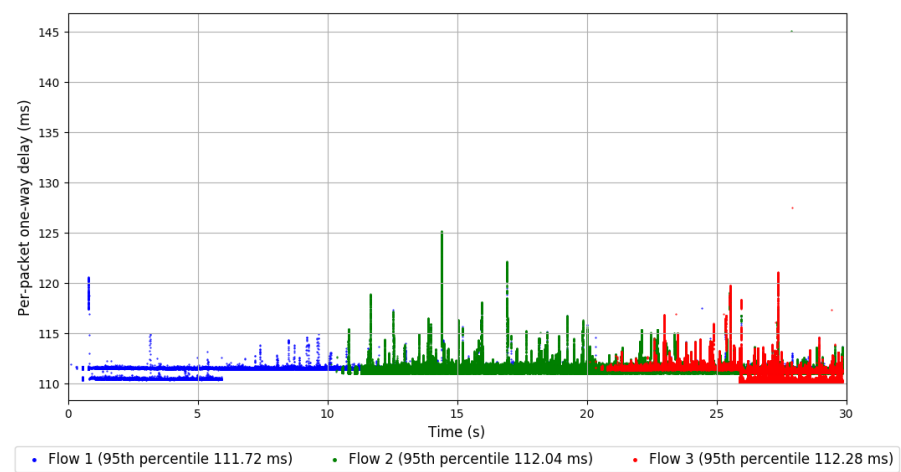
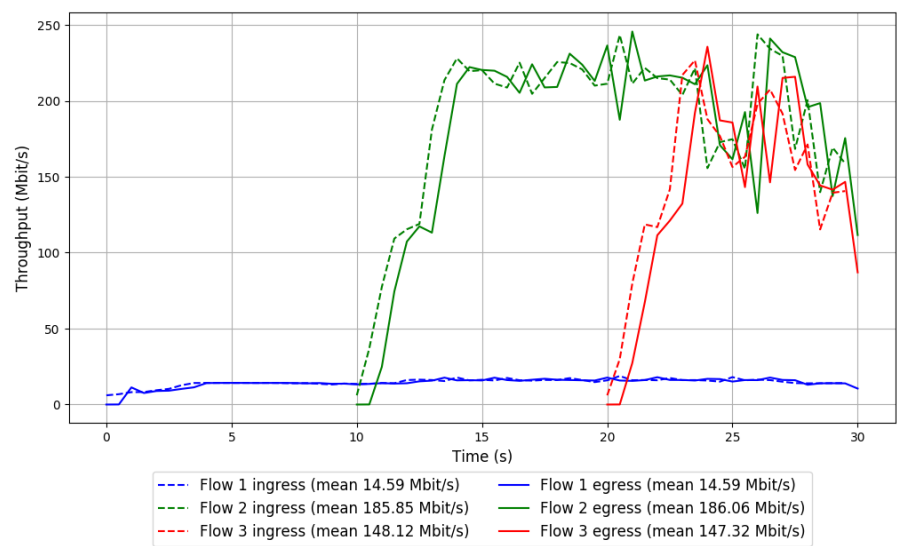


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 20:13:11
End at: 2018-08-01 20:13:41
Local clock offset: -0.329 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-08-02 00:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.17 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 111.716 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 186.06 Mbit/s
95th percentile per-packet one-way delay: 112.043 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 147.32 Mbit/s
95th percentile per-packet one-way delay: 112.275 ms
Loss rate: 2.43%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 20:39:10

End at: 2018-08-01 20:39:40

Local clock offset: -0.04 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-08-02 00:29:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.46 Mbit/s

95th percentile per-packet one-way delay: 112.101 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 111.713 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 191.76 Mbit/s

95th percentile per-packet one-way delay: 112.112 ms

Loss rate: 1.26%

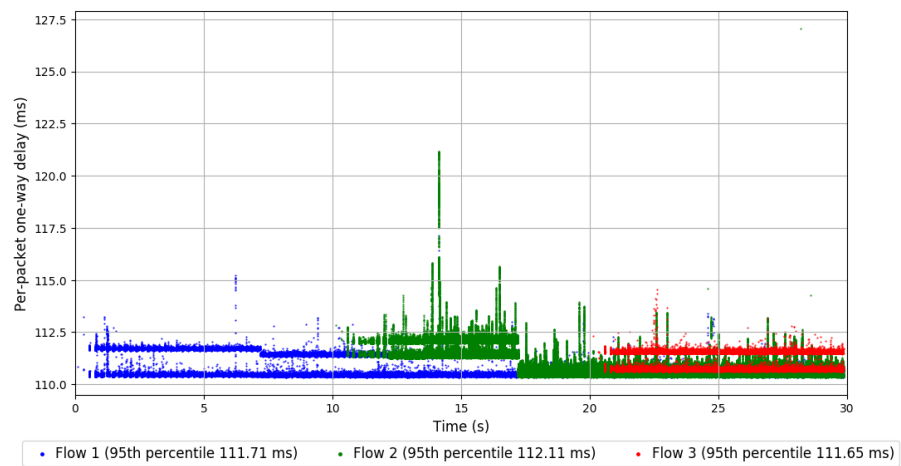
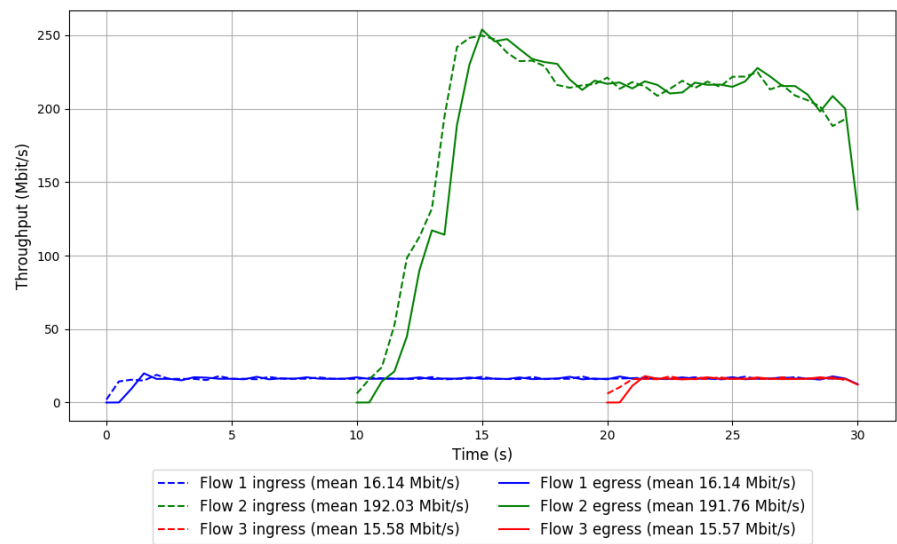
-- Flow 3:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 111.652 ms

Loss rate: 2.33%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 21:04:56

End at: 2018-08-01 21:05:26

Local clock offset: -0.072 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-08-02 00:30:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.08 Mbit/s

95th percentile per-packet one-way delay: 111.285 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 198.05 Mbit/s

95th percentile per-packet one-way delay: 111.280 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 111.424 ms

Loss rate: 5.40%

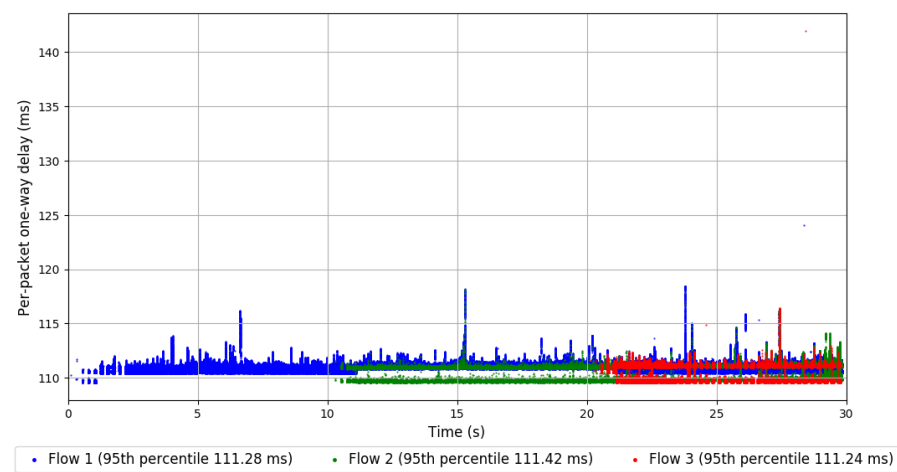
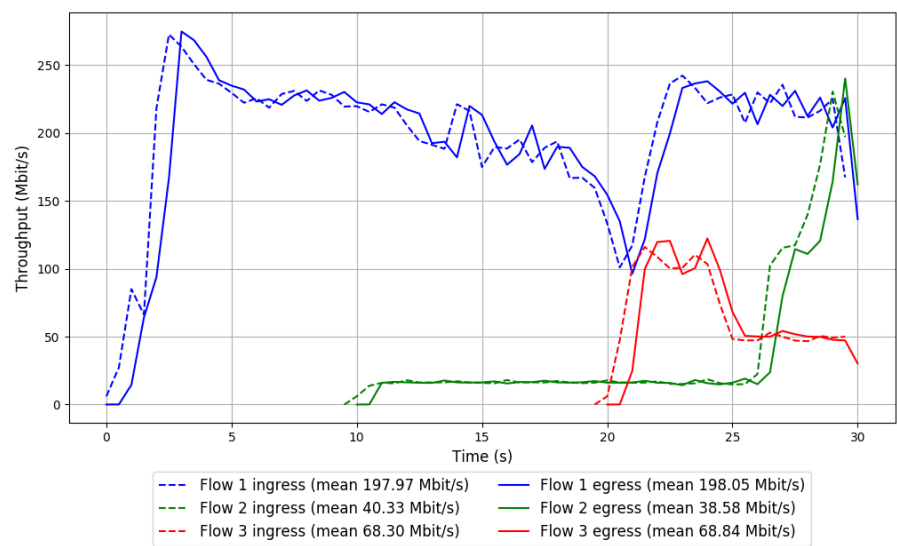
-- Flow 3:

Average throughput: 68.84 Mbit/s

95th percentile per-packet one-way delay: 111.240 ms

Loss rate: 1.84%

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

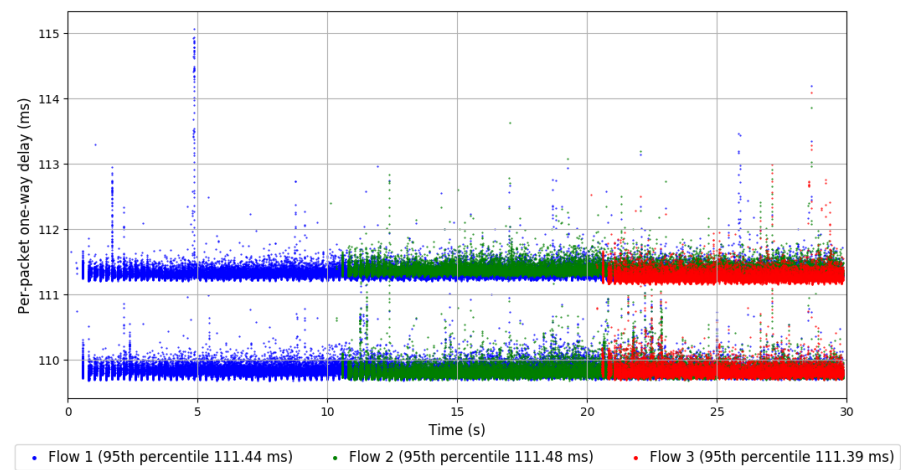
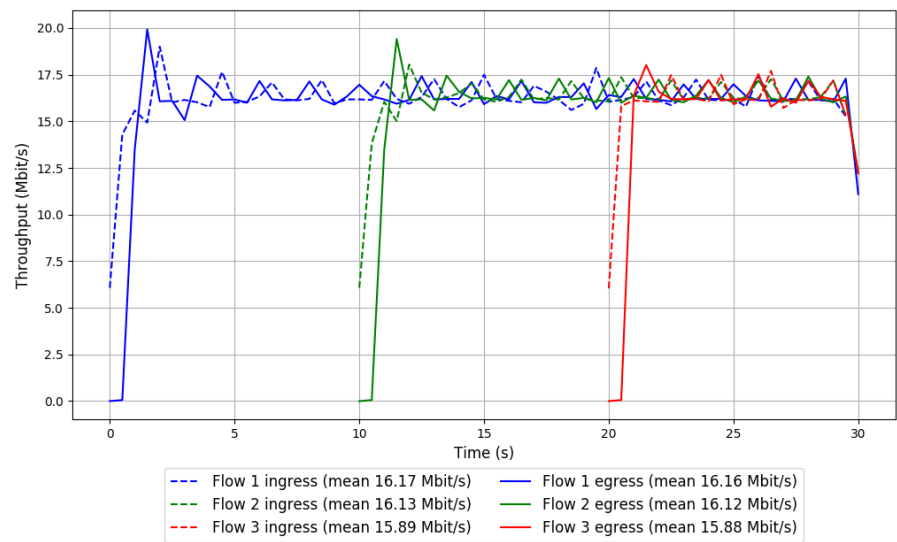


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 21:31:16
End at: 2018-08-01 21:31:46
Local clock offset: -0.037 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-08-02 00:30:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 111.450 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 111.437 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 111.482 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 111.385 ms
Loss rate: 2.30%

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

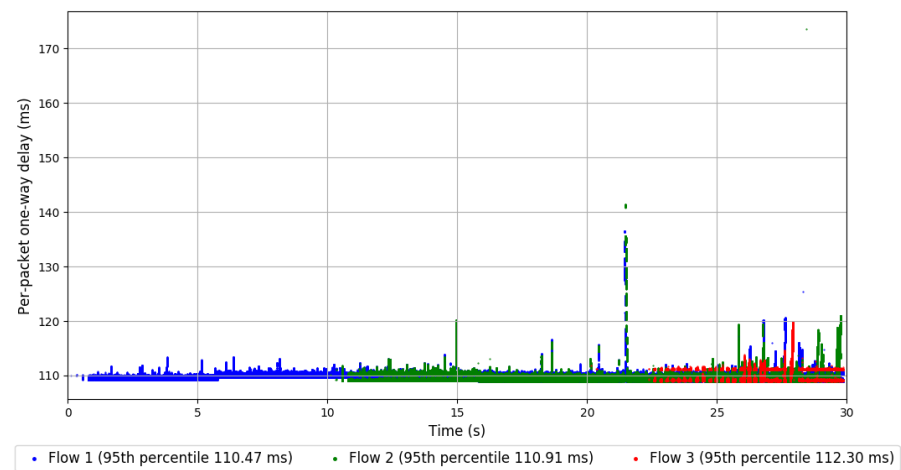
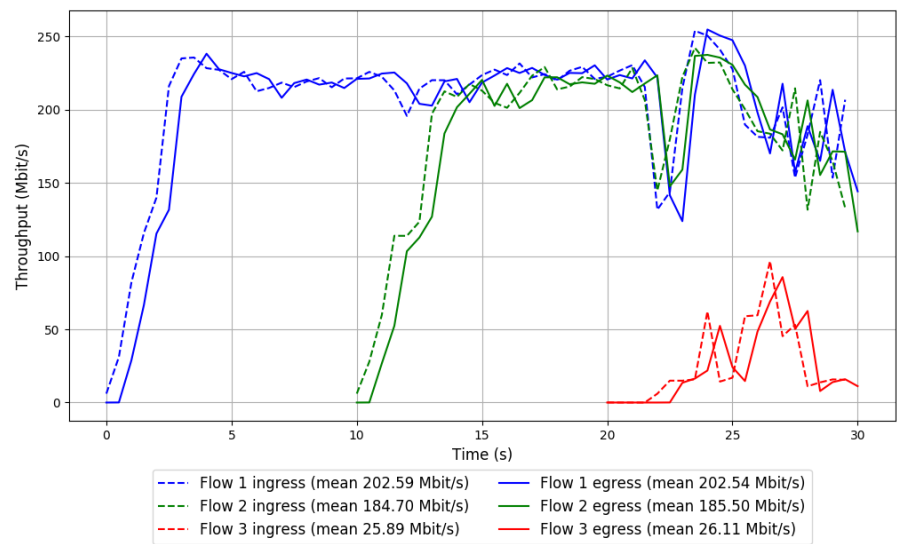


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 21:57:01
End at: 2018-08-01 21:57:31
Local clock offset: -1.417 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-02 00:35:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.60 Mbit/s
95th percentile per-packet one-way delay: 110.808 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 202.54 Mbit/s
95th percentile per-packet one-way delay: 110.466 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 185.50 Mbit/s
95th percentile per-packet one-way delay: 110.905 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 112.303 ms
Loss rate: 1.43%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 18:09:04

End at: 2018-08-01 18:09:34

Local clock offset: 1.053 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-08-02 00:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 113.259 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 112.950 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 33.48 Mbit/s

95th percentile per-packet one-way delay: 113.165 ms

Loss rate: 1.20%

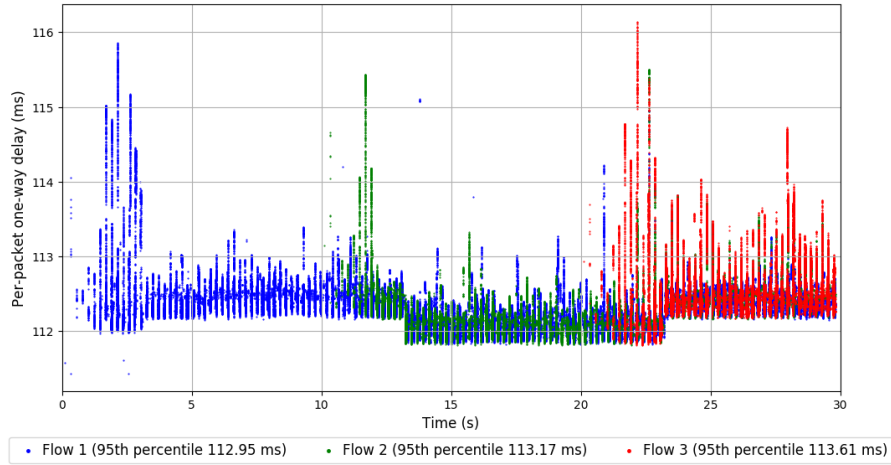
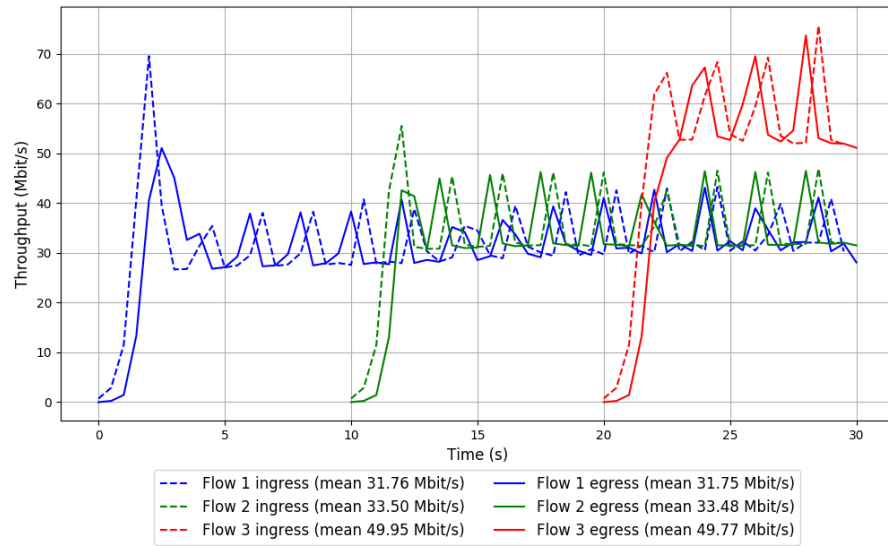
-- Flow 3:

Average throughput: 49.77 Mbit/s

95th percentile per-packet one-way delay: 113.606 ms

Loss rate: 2.59%

Run 1: Report of TCP Vegas — Data Link

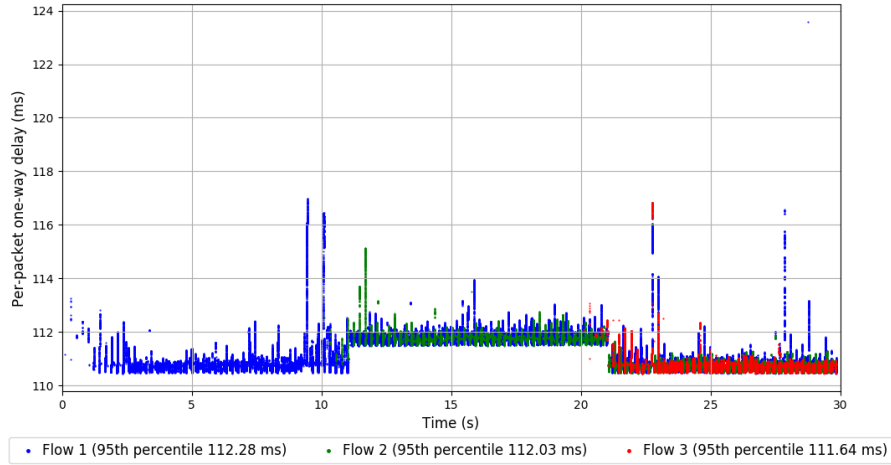
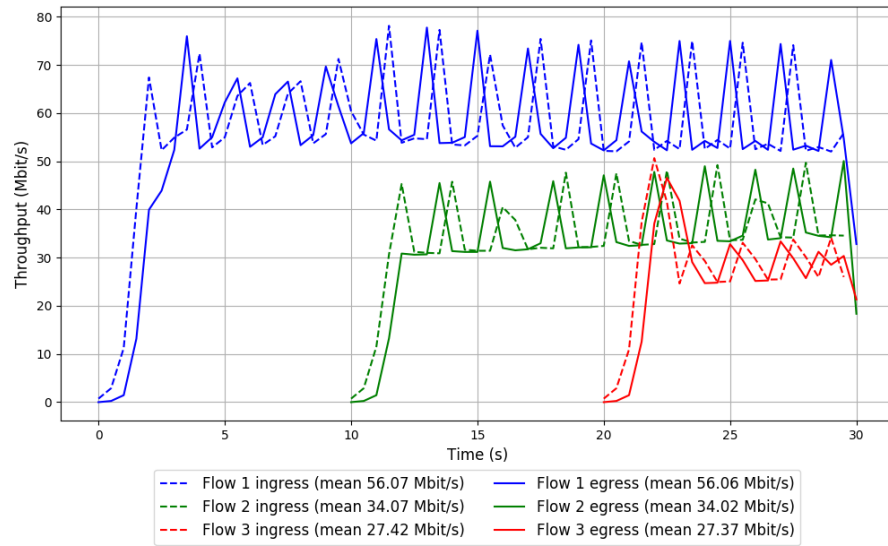


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 18:35:26
End at: 2018-08-01 18:35:56
Local clock offset: -0.011 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-02 00:35:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 112.172 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 112.278 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 112.035 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 111.642 ms
Loss rate: 2.39%

Run 2: Report of TCP Vegas — Data Link

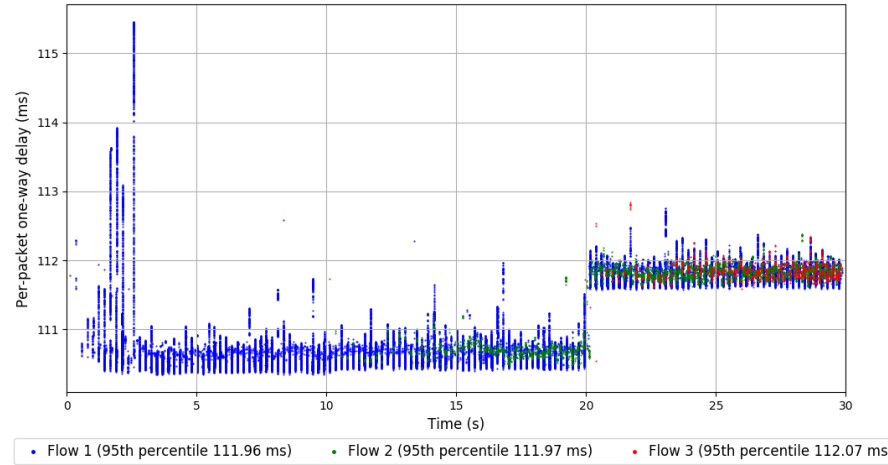
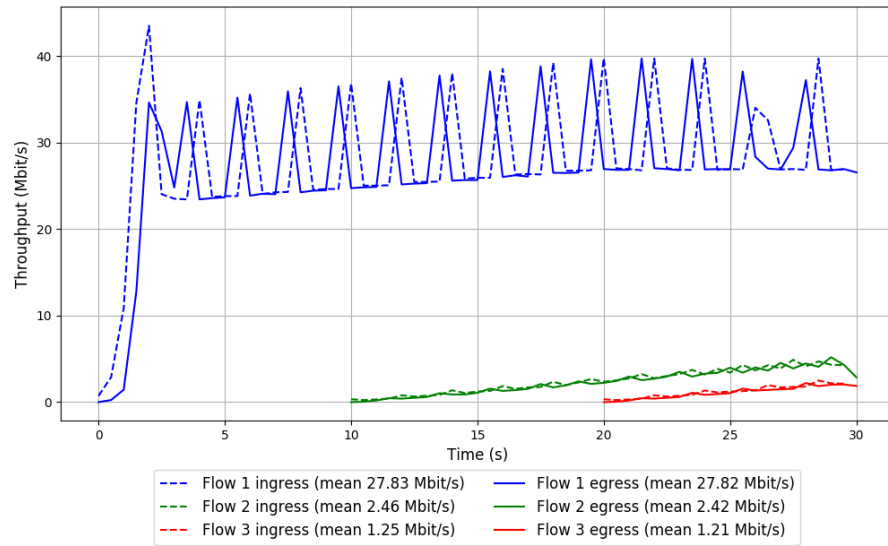


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 19:03:07
End at: 2018-08-01 19:03:37
Local clock offset: -0.318 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-08-02 00:35:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 111.967 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 111.962 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 111.967 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 112.070 ms
Loss rate: 5.15%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 19:29:14

End at: 2018-08-01 19:29:44

Local clock offset: -0.067 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-02 00:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.85 Mbit/s

95th percentile per-packet one-way delay: 111.660 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 111.353 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 111.507 ms

Loss rate: 1.20%

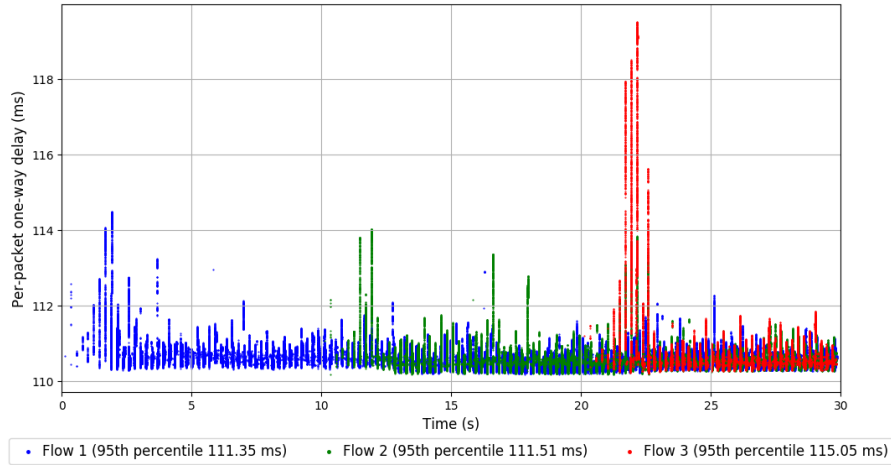
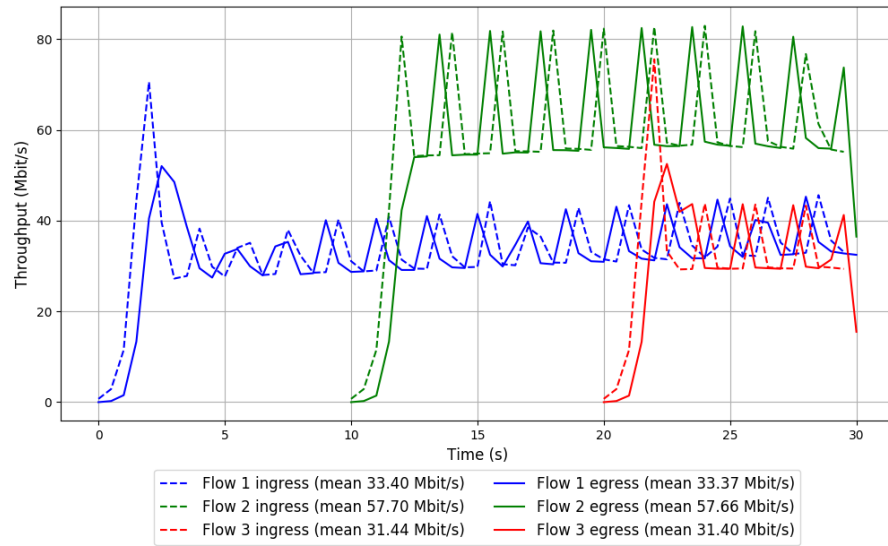
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 115.053 ms

Loss rate: 2.36%

Run 4: Report of TCP Vegas — Data Link

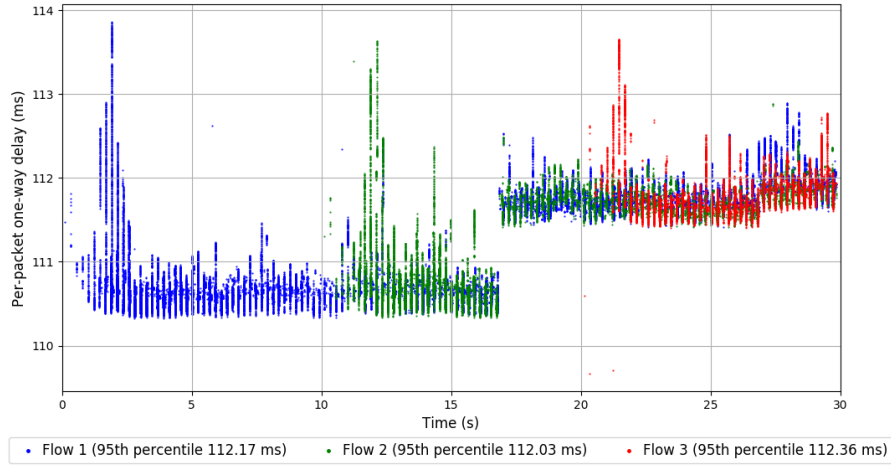
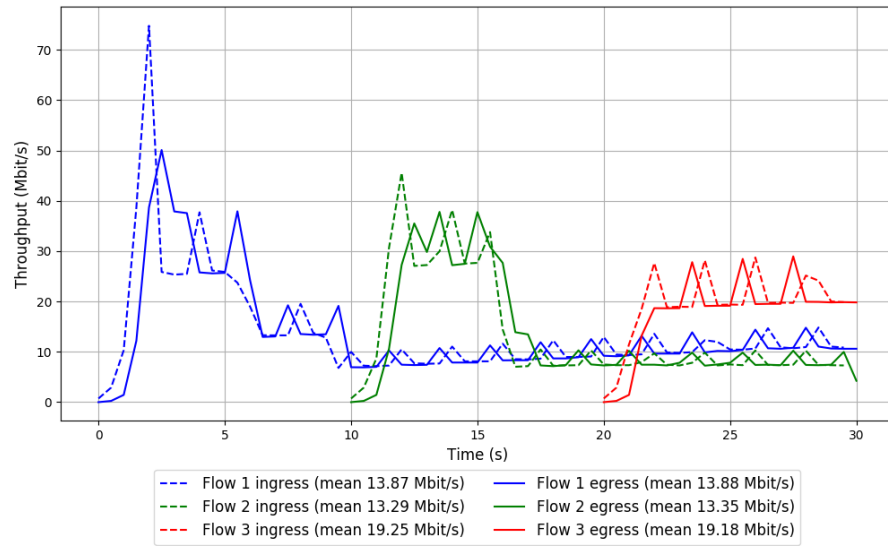


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 19:55:10
End at: 2018-08-01 19:55:40
Local clock offset: -0.429 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 112.165 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 112.028 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 112.361 ms
Loss rate: 2.60%

Run 5: Report of TCP Vegas — Data Link

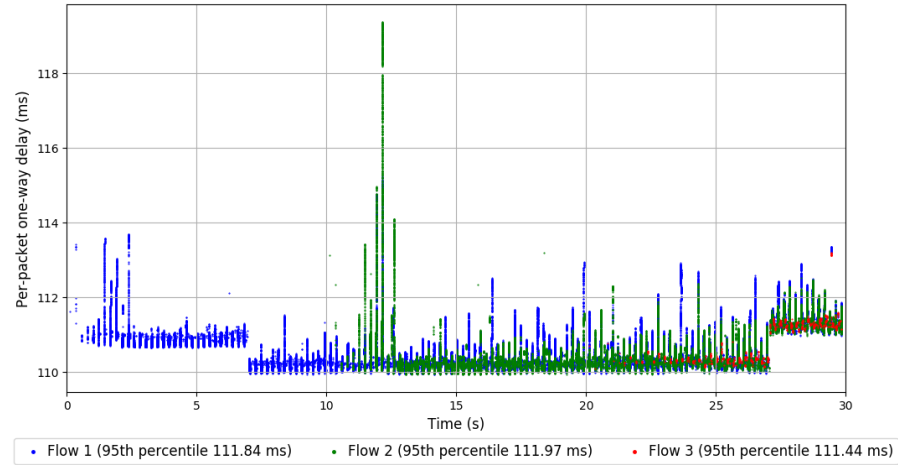
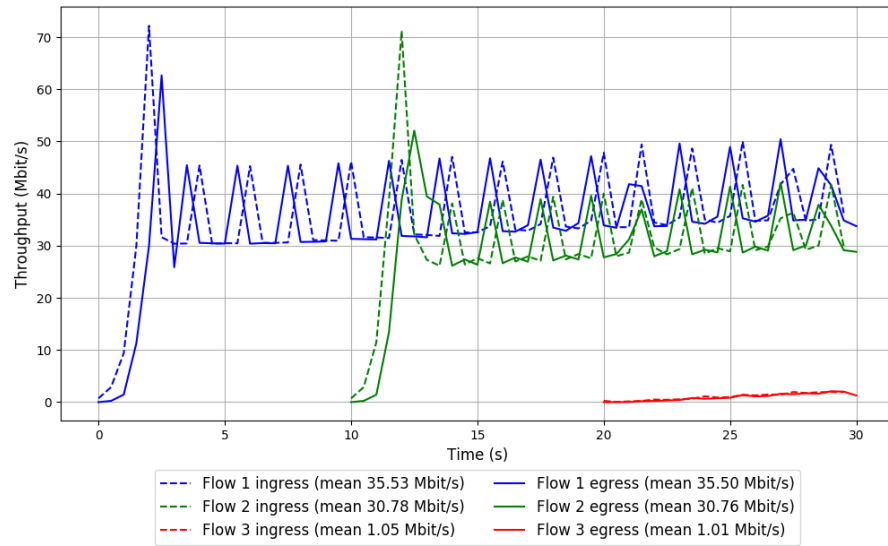


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 20:21:10
End at: 2018-08-01 20:21:40
Local clock offset: -0.419 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 111.884 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 111.840 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 111.969 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 111.443 ms
Loss rate: 5.87%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 20:47:04

End at: 2018-08-01 20:47:34

Local clock offset: -0.022 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-02 00:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 112.090 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 112.109 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 111.444 ms

Loss rate: 2.59%

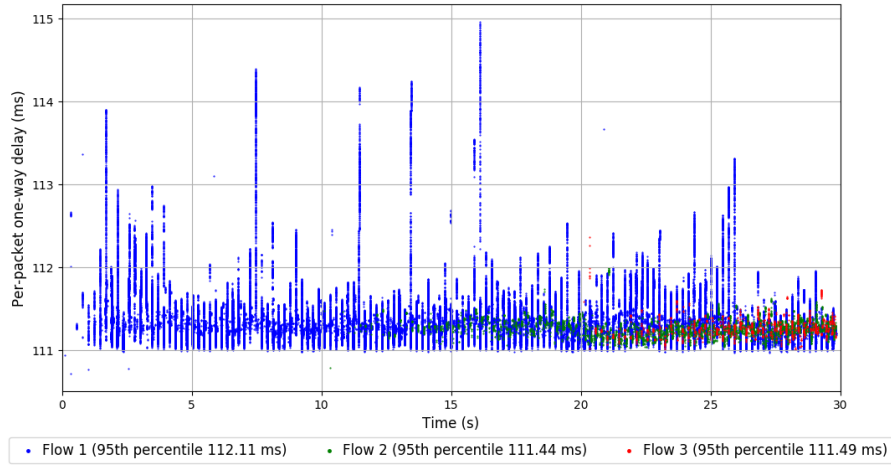
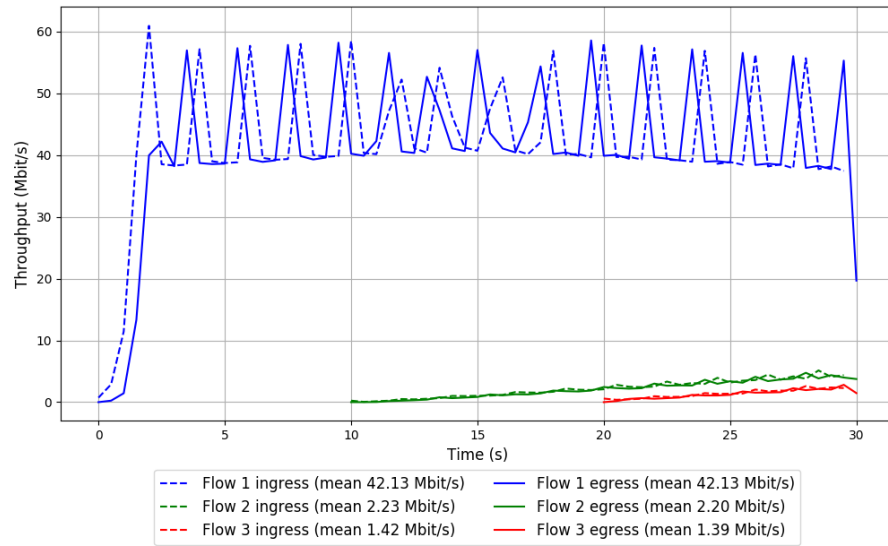
-- Flow 3:

Average throughput: 1.39 Mbit/s

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

Loss rate: 4.35%

Run 7: Report of TCP Vegas — Data Link

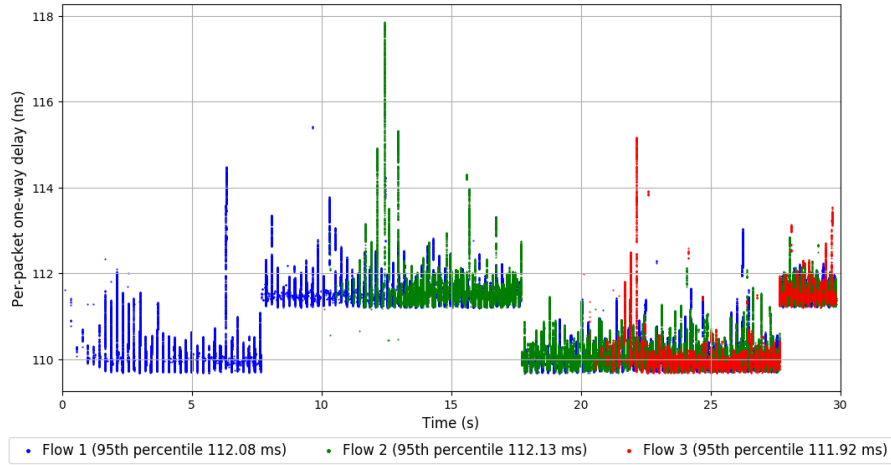
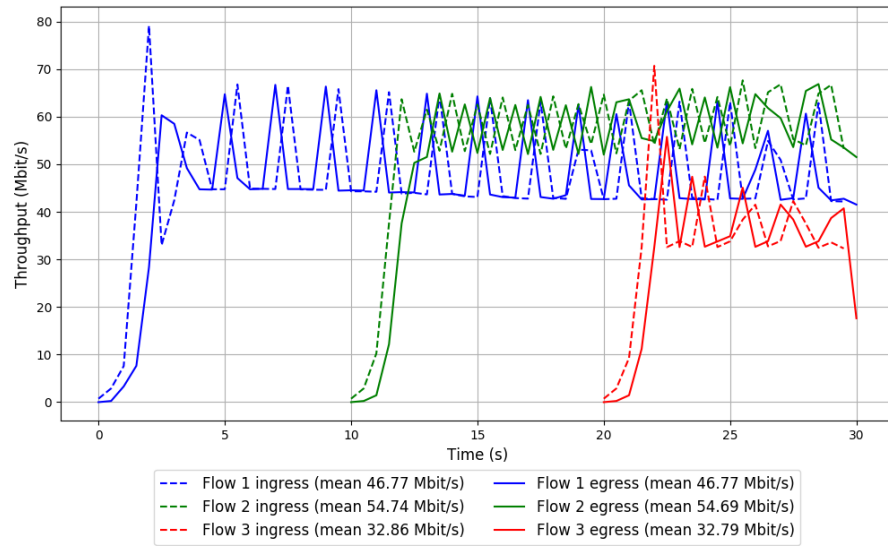


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 21:13:19
End at: 2018-08-01 21:13:49
Local clock offset: -0.134 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 112.077 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 112.075 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 112.129 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 111.924 ms
Loss rate: 2.46%

Run 8: Report of TCP Vegas — Data Link

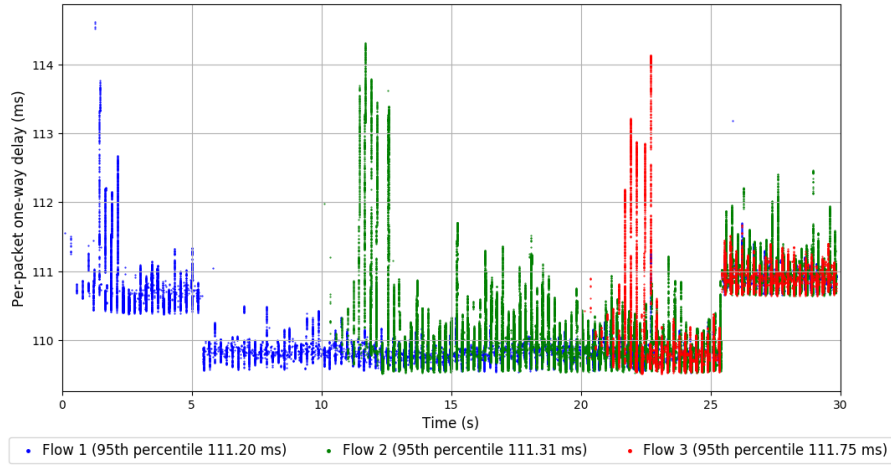
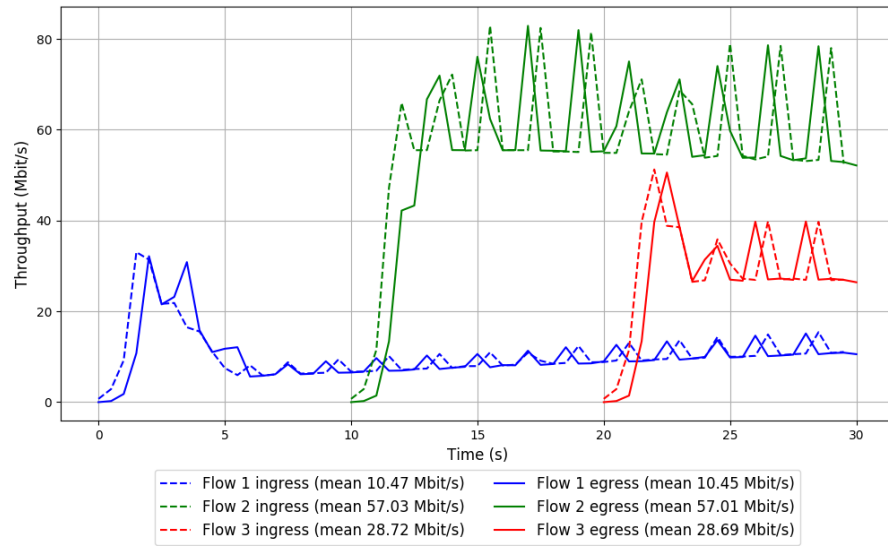


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 21:39:02
End at: 2018-08-01 21:39:32
Local clock offset: -0.243 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 111.314 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 111.200 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 111.755 ms
Loss rate: 2.35%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 22:05:29

End at: 2018-08-01 22:05:59

Local clock offset: -0.224 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-08-02 00:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 111.645 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 111.534 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 111.683 ms

Loss rate: 1.16%

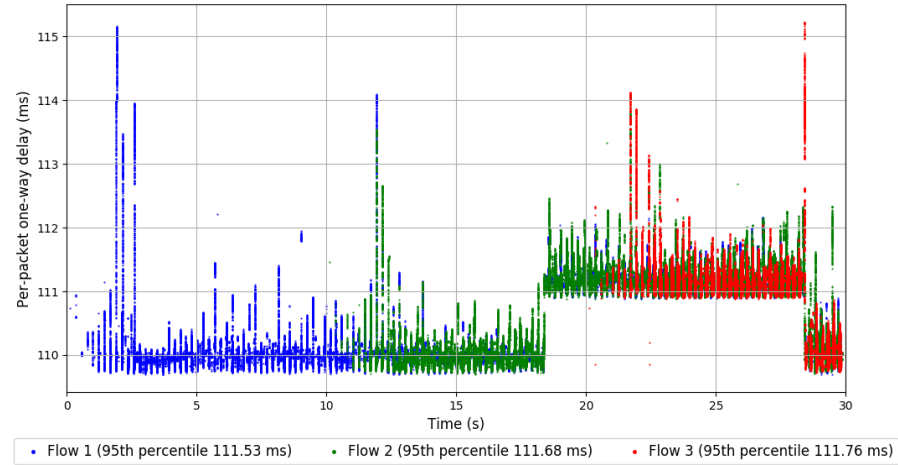
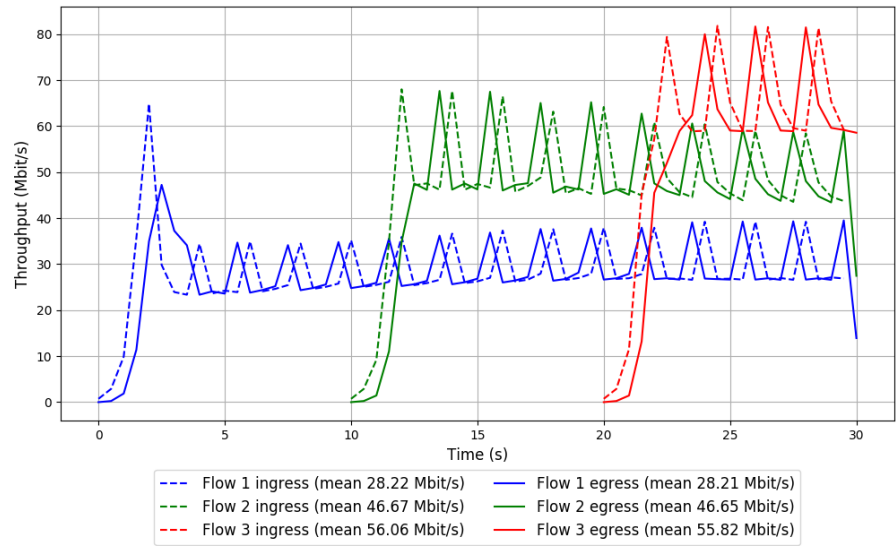
-- Flow 3:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 111.757 ms

Loss rate: 2.65%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 18:04:14

End at: 2018-08-01 18:04:44

Local clock offset: 0.236 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-02 00:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.88 Mbit/s

95th percentile per-packet one-way delay: 227.951 ms

Loss rate: 3.56%

-- Flow 1:

Average throughput: 131.61 Mbit/s

95th percentile per-packet one-way delay: 126.175 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 165.83 Mbit/s

95th percentile per-packet one-way delay: 265.612 ms

Loss rate: 6.15%

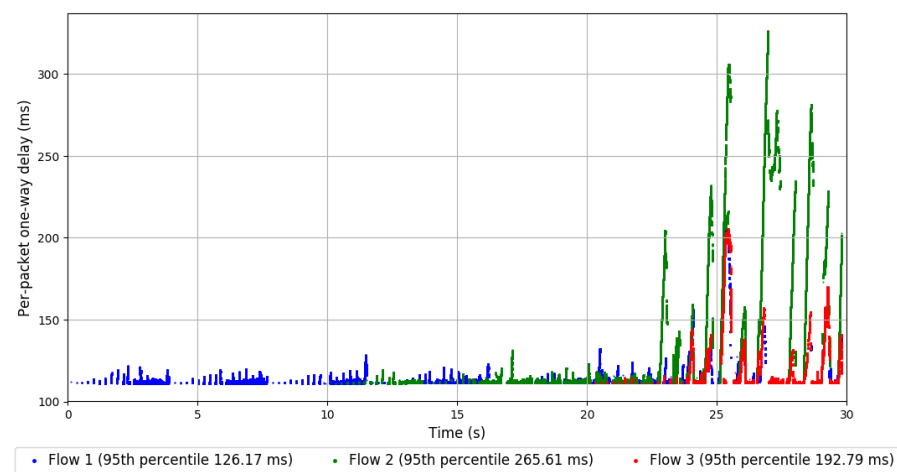
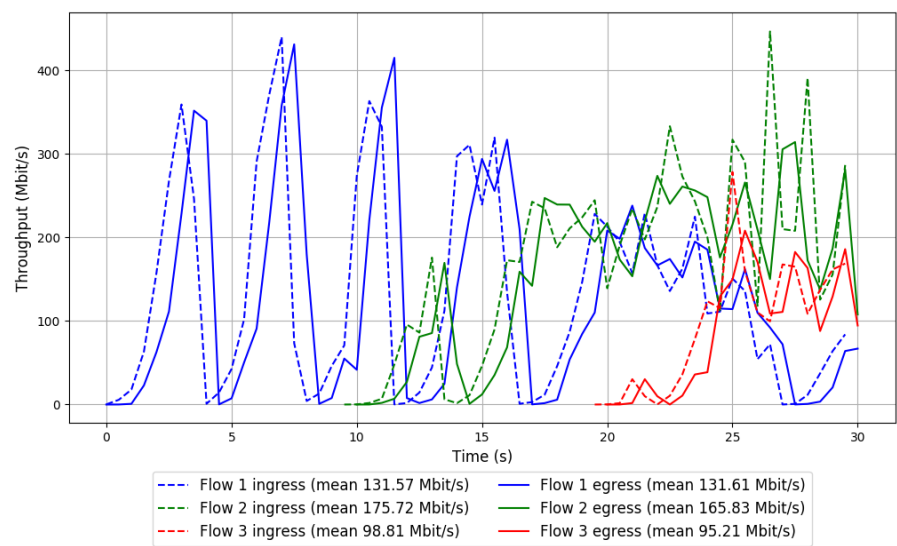
-- Flow 3:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 192.790 ms

Loss rate: 5.82%

Run 1: Report of Verus — Data Link

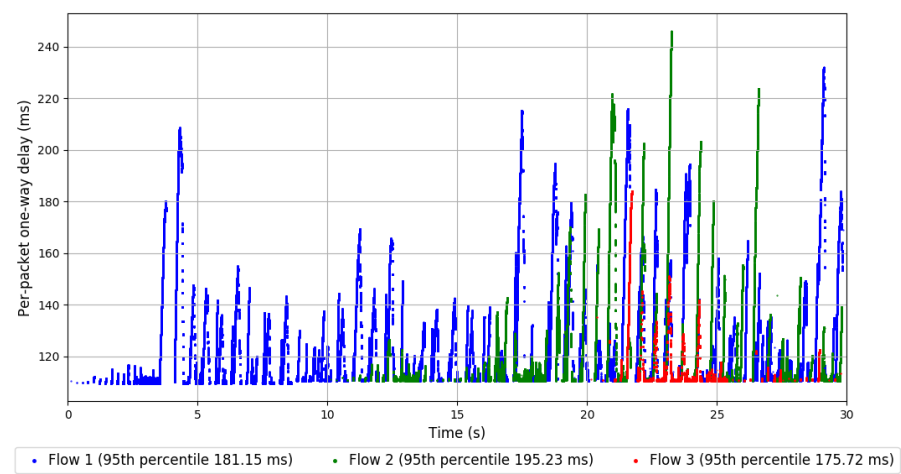
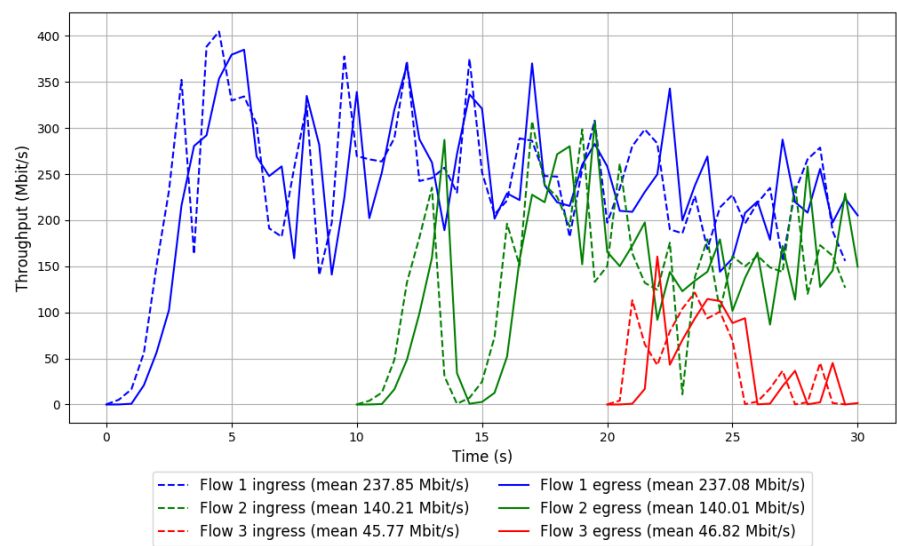


Run 2: Statistics of Verus

Start at: 2018-08-01 18:30:28
End at: 2018-08-01 18:30:58
Local clock offset: -1.089 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.94 Mbit/s
95th percentile per-packet one-way delay: 183.541 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 237.08 Mbit/s
95th percentile per-packet one-way delay: 181.154 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 140.01 Mbit/s
95th percentile per-packet one-way delay: 195.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 175.722 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

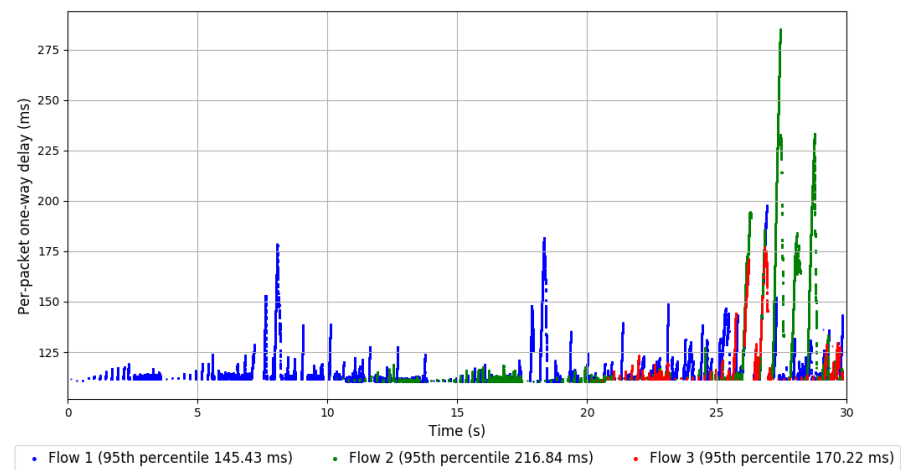
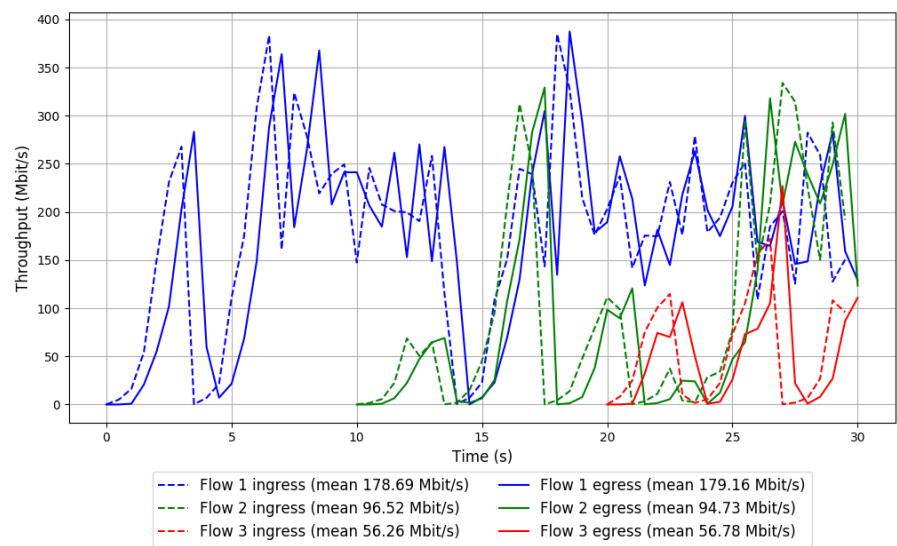


Run 3: Statistics of Verus

Start at: 2018-08-01 18:58:16
End at: 2018-08-01 18:58:46
Local clock offset: -0.085 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.56 Mbit/s
95th percentile per-packet one-way delay: 172.546 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 179.16 Mbit/s
95th percentile per-packet one-way delay: 145.429 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 216.844 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 170.215 ms
Loss rate: 0.57%

Run 3: Report of Verus — Data Link

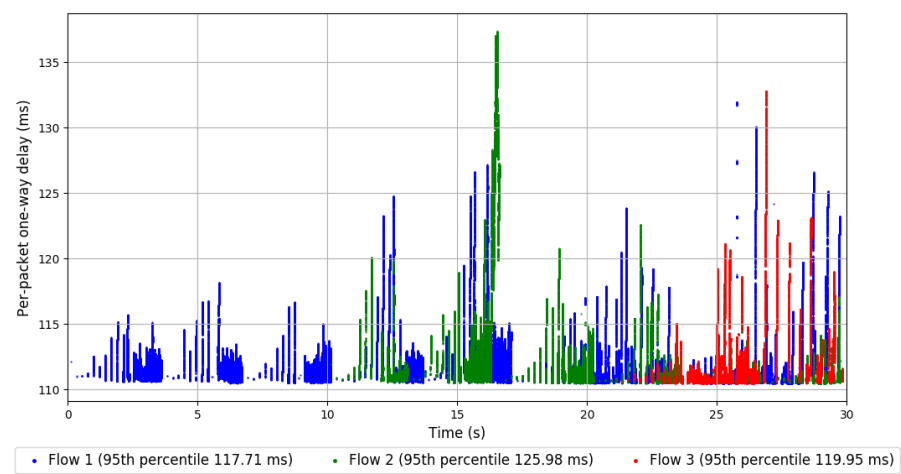
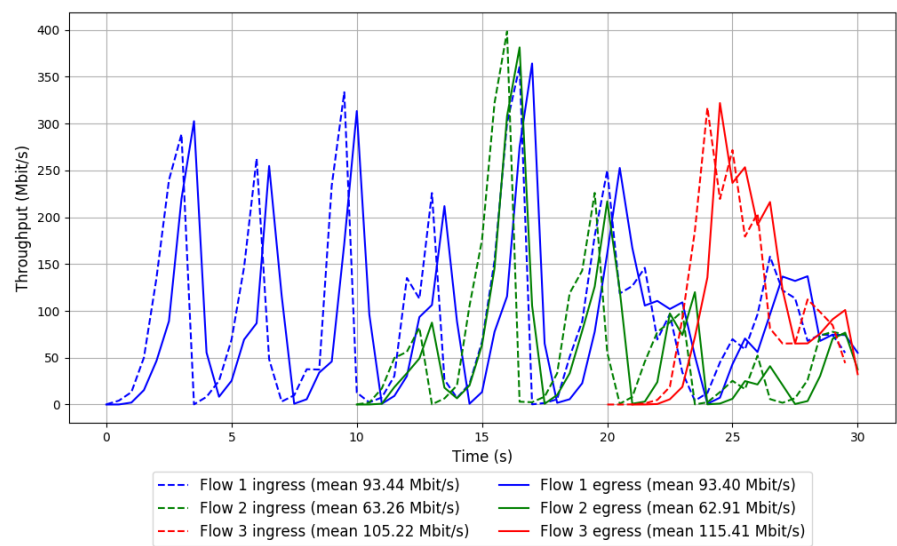


Run 4: Statistics of Verus

Start at: 2018-08-01 19:24:41
End at: 2018-08-01 19:25:11
Local clock offset: -0.144 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.53 Mbit/s
95th percentile per-packet one-way delay: 120.038 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 117.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 125.980 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 115.41 Mbit/s
95th percentile per-packet one-way delay: 119.946 ms
Loss rate: 1.95%

Run 4: Report of Verus — Data Link

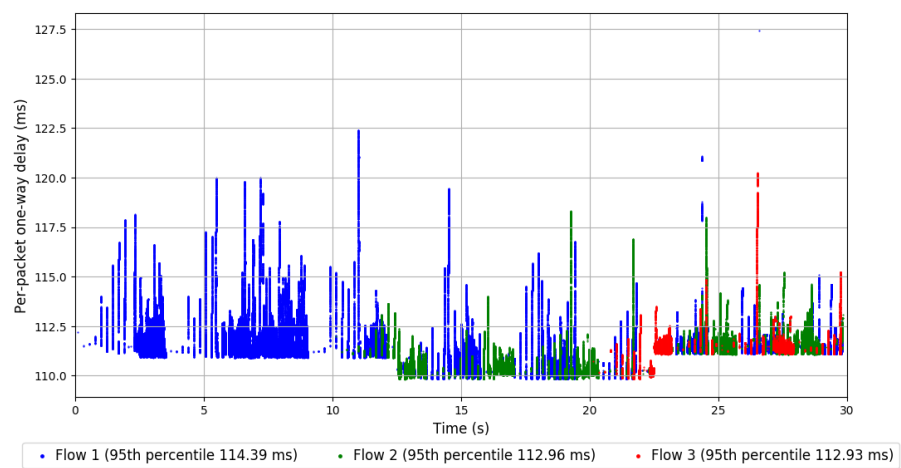
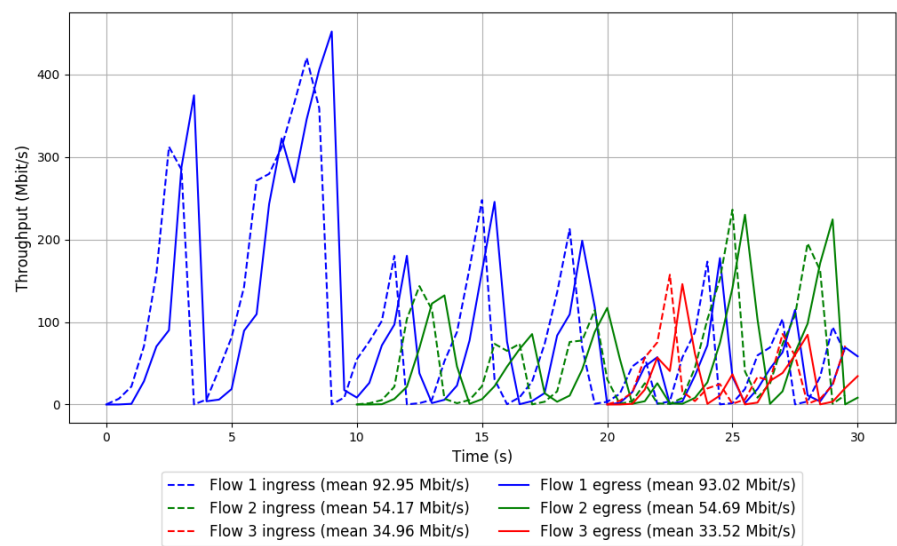


Run 5: Statistics of Verus

Start at: 2018-08-01 19:50:35
End at: 2018-08-01 19:51:05
Local clock offset: -0.191 ms
Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.13 Mbit/s
95th percentile per-packet one-way delay: 114.048 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 114.393 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 112.961 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 112.931 ms
Loss rate: 6.45%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 20:16:29

End at: 2018-08-01 20:16:59

Local clock offset: 0.957 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-02 00:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.43 Mbit/s

95th percentile per-packet one-way delay: 133.096 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 165.61 Mbit/s

95th percentile per-packet one-way delay: 138.190 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 99.47 Mbit/s

95th percentile per-packet one-way delay: 127.307 ms

Loss rate: 0.00%

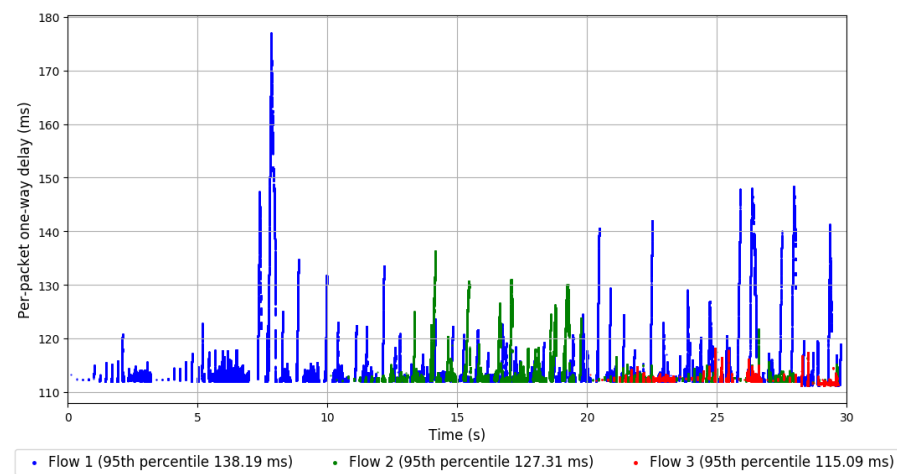
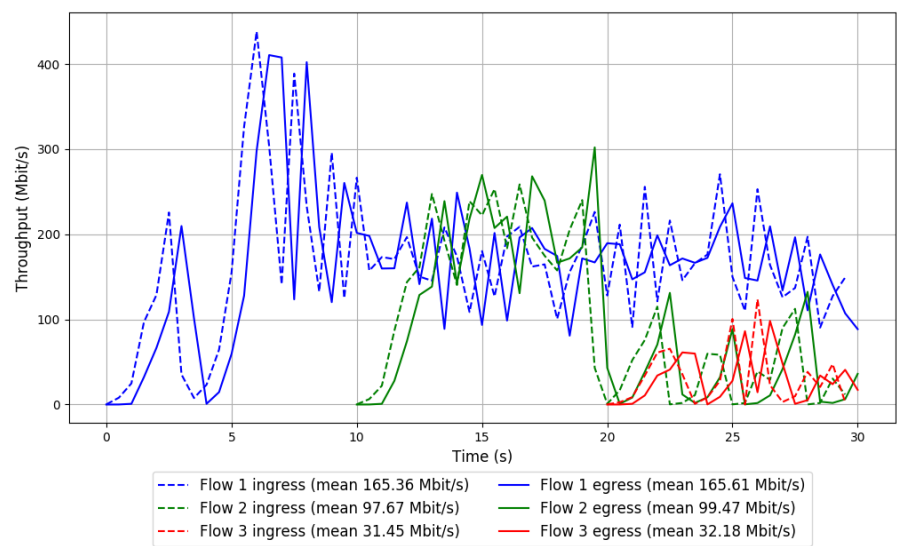
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 115.093 ms

Loss rate: 0.01%

Run 6: Report of Verus — Data Link

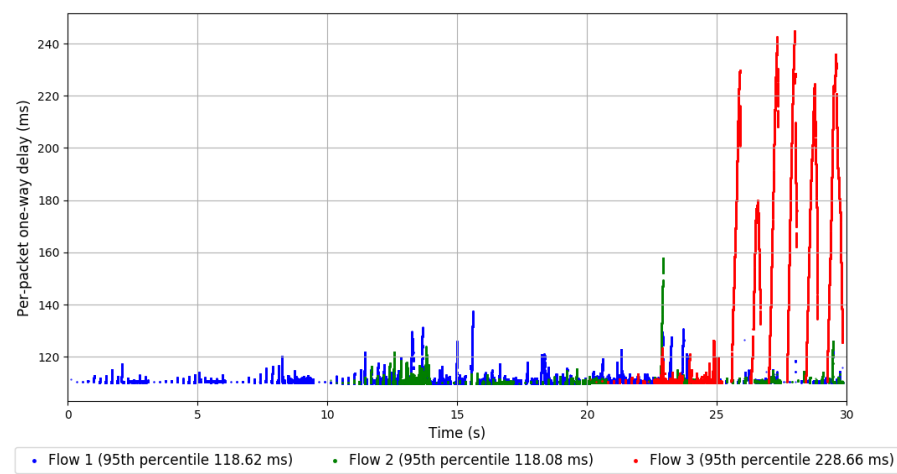
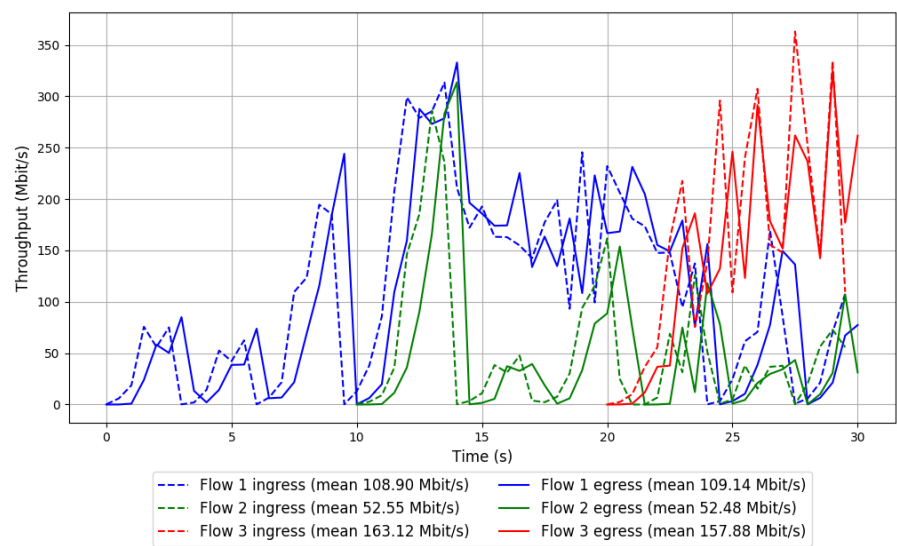


Run 7: Statistics of Verus

Start at: 2018-08-01 20:42:17
End at: 2018-08-01 20:42:47
Local clock offset: -1.321 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-02 00:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.44 Mbit/s
95th percentile per-packet one-way delay: 203.398 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 109.14 Mbit/s
95th percentile per-packet one-way delay: 118.618 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 118.084 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 228.664 ms
Loss rate: 3.08%

Run 7: Report of Verus — Data Link

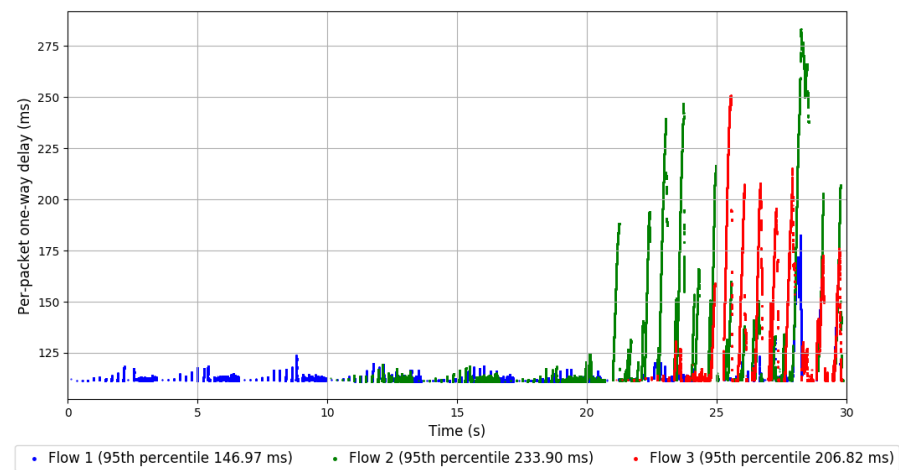
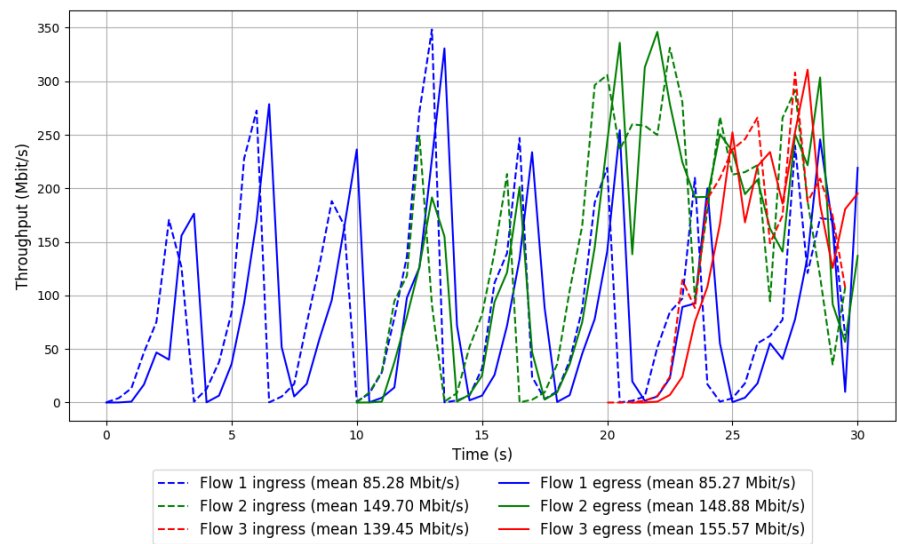


Run 8: Statistics of Verus

Start at: 2018-08-01 21:08:26
End at: 2018-08-01 21:08:56
Local clock offset: -0.101 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-02 00:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.28 Mbit/s
95th percentile per-packet one-way delay: 207.048 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 146.969 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 148.88 Mbit/s
95th percentile per-packet one-way delay: 233.896 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 155.57 Mbit/s
95th percentile per-packet one-way delay: 206.816 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

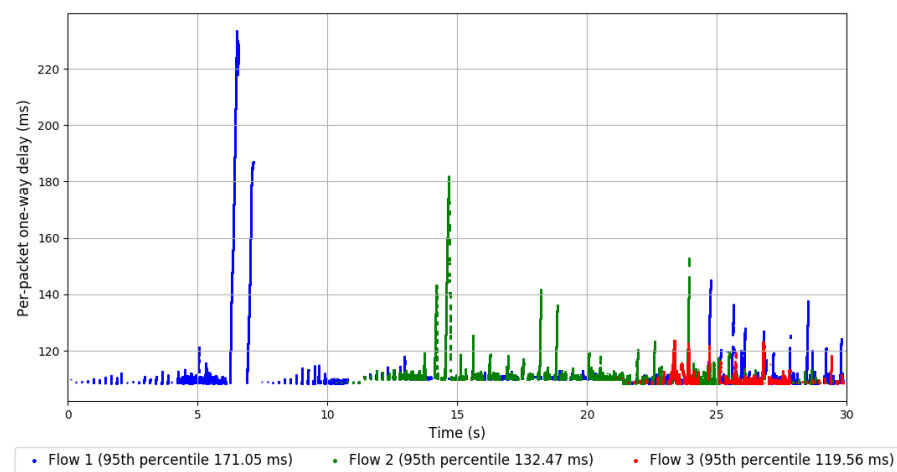
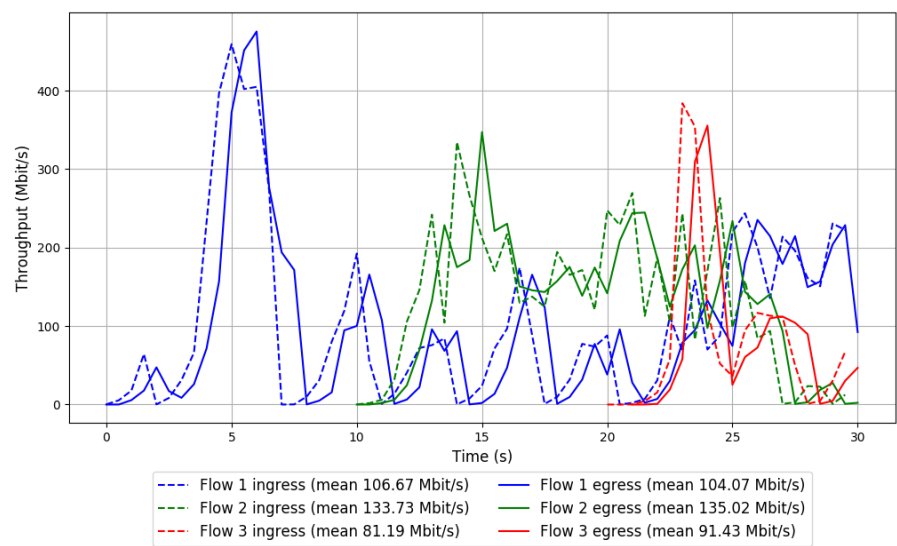


Run 9: Statistics of Verus

Start at: 2018-08-01 21:34:16
End at: 2018-08-01 21:34:46
Local clock offset: -1.05 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-02 00:36:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.62 Mbit/s
95th percentile per-packet one-way delay: 139.267 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 171.052 ms
Loss rate: 3.16%
-- Flow 2:
Average throughput: 135.02 Mbit/s
95th percentile per-packet one-way delay: 132.466 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 119.556 ms
Loss rate: 1.26%

Run 9: Report of Verus — Data Link

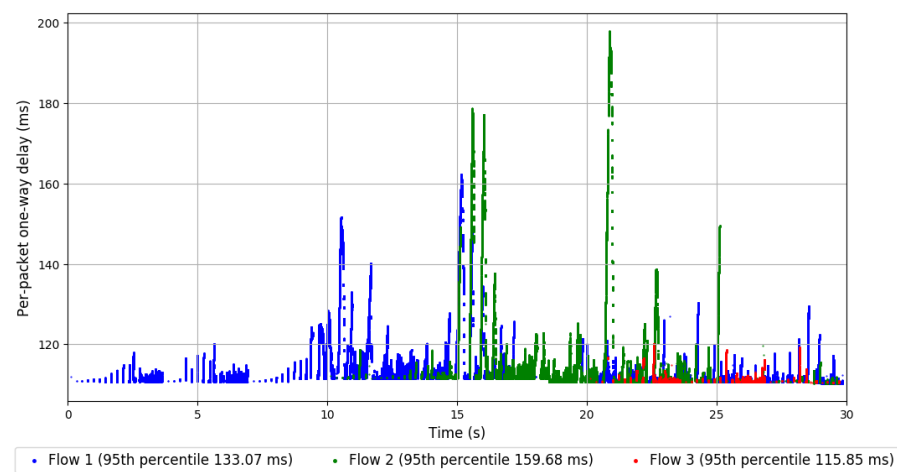
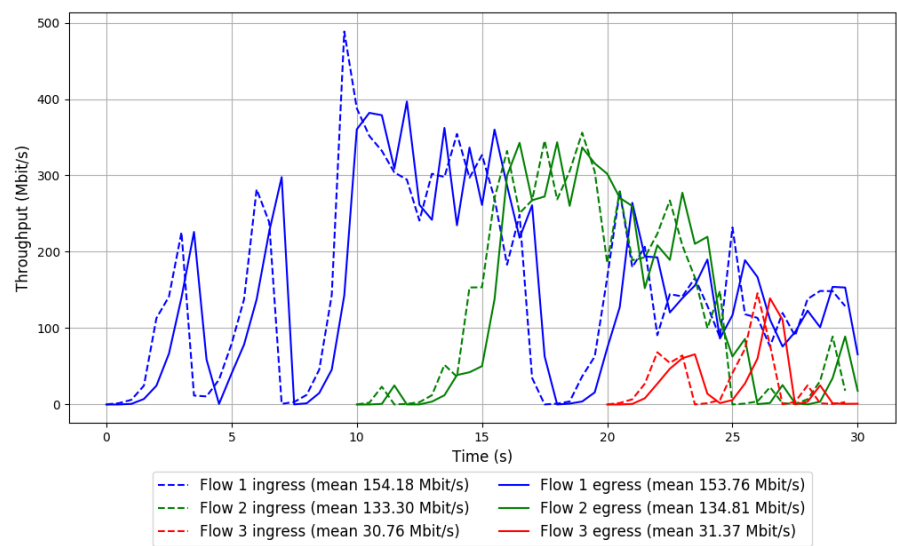


Run 10: Statistics of Verus

Start at: 2018-08-01 22:00:39
End at: 2018-08-01 22:01:09
Local clock offset: -0.044 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-02 00:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.58 Mbit/s
95th percentile per-packet one-way delay: 141.883 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 153.76 Mbit/s
95th percentile per-packet one-way delay: 133.074 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 134.81 Mbit/s
95th percentile per-packet one-way delay: 159.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 115.852 ms
Loss rate: 0.34%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 17:53:51

End at: 2018-08-01 17:54:21

Local clock offset: 0.028 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-02 00:40:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.64 Mbit/s

95th percentile per-packet one-way delay: 112.073 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 222.92 Mbit/s

95th percentile per-packet one-way delay: 111.265 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 194.29 Mbit/s

95th percentile per-packet one-way delay: 112.107 ms

Loss rate: 1.50%

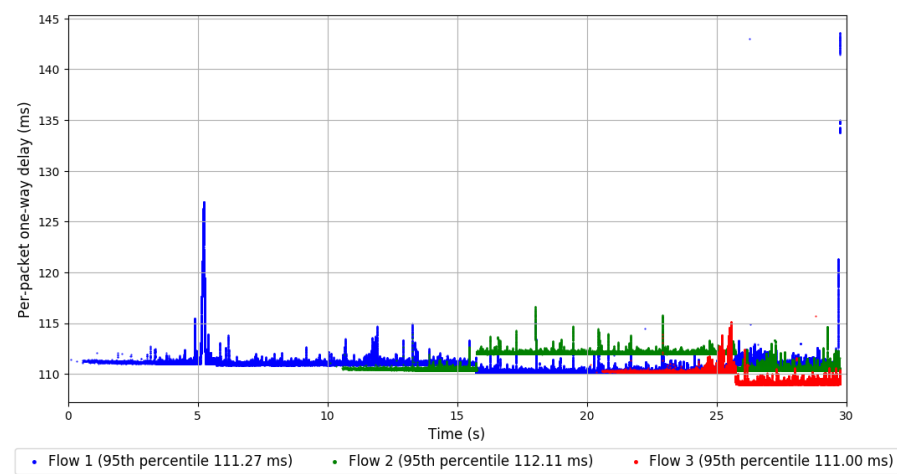
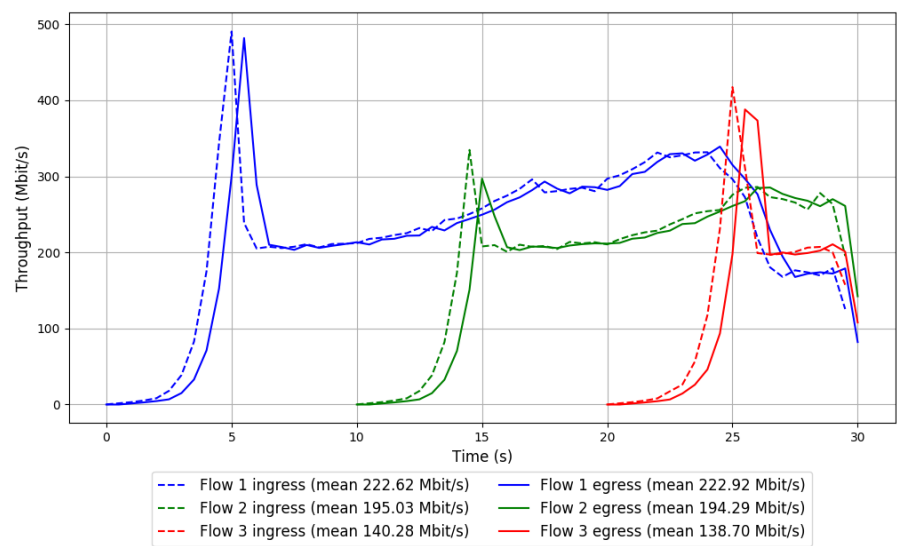
-- Flow 3:

Average throughput: 138.70 Mbit/s

95th percentile per-packet one-way delay: 111.003 ms

Loss rate: 3.37%

Run 1: Report of PCC-Vivace — Data Link

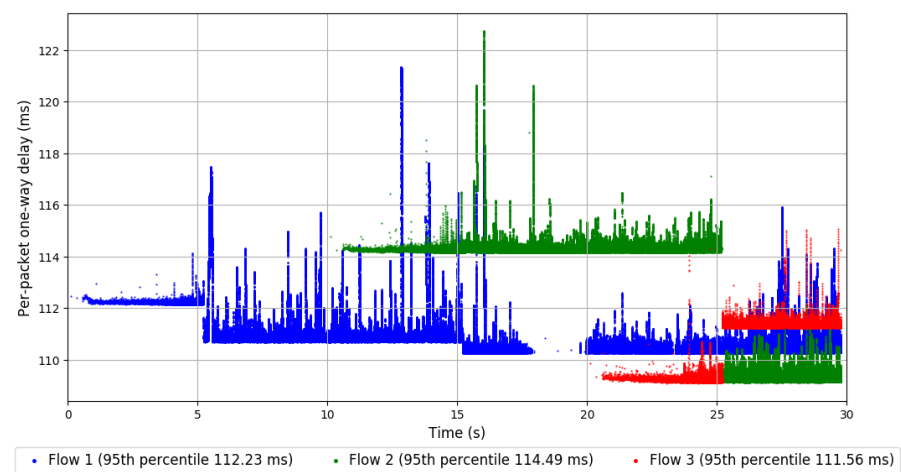
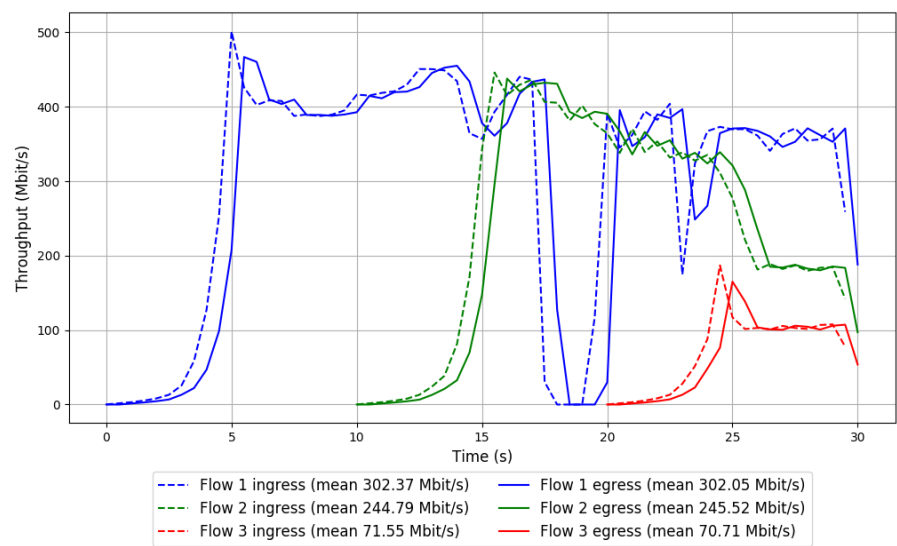


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 18:19:52
End at: 2018-08-01 18:20:22
Local clock offset: -0.164 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-08-02 00:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.61 Mbit/s
95th percentile per-packet one-way delay: 114.362 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 302.05 Mbit/s
95th percentile per-packet one-way delay: 112.228 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 245.52 Mbit/s
95th percentile per-packet one-way delay: 114.494 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 70.71 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 3.38%

Run 2: Report of PCC-Vivace — Data Link

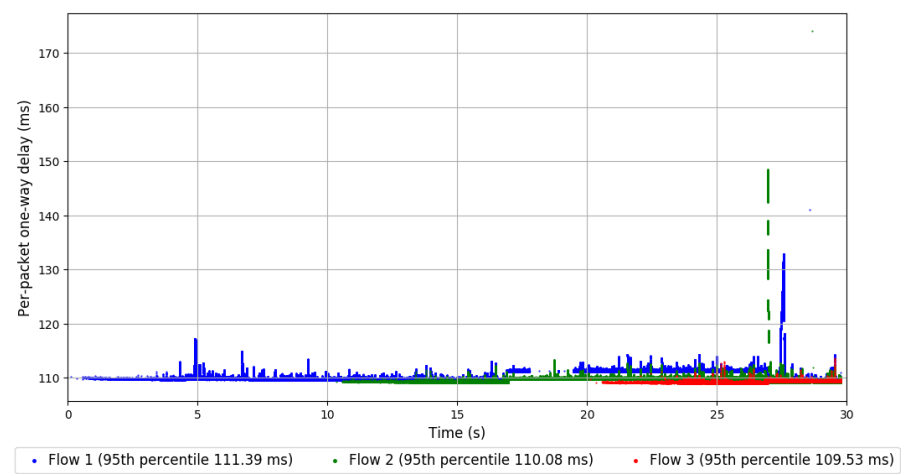
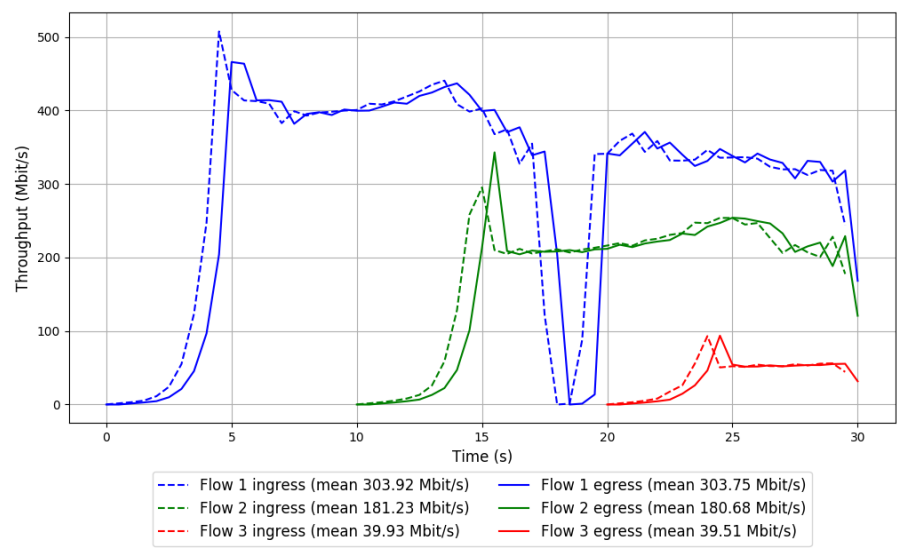


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 18:47:10
End at: 2018-08-01 18:47:40
Local clock offset: -1.225 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-08-02 00:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.27 Mbit/s
95th percentile per-packet one-way delay: 111.340 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 303.75 Mbit/s
95th percentile per-packet one-way delay: 111.394 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 180.68 Mbit/s
95th percentile per-packet one-way delay: 110.076 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 109.532 ms
Loss rate: 3.26%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 19:14:10

End at: 2018-08-01 19:14:40

Local clock offset: -0.135 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-08-02 00:43:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 458.94 Mbit/s

95th percentile per-packet one-way delay: 111.997 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 284.41 Mbit/s

95th percentile per-packet one-way delay: 112.056 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 198.45 Mbit/s

95th percentile per-packet one-way delay: 110.666 ms

Loss rate: 1.70%

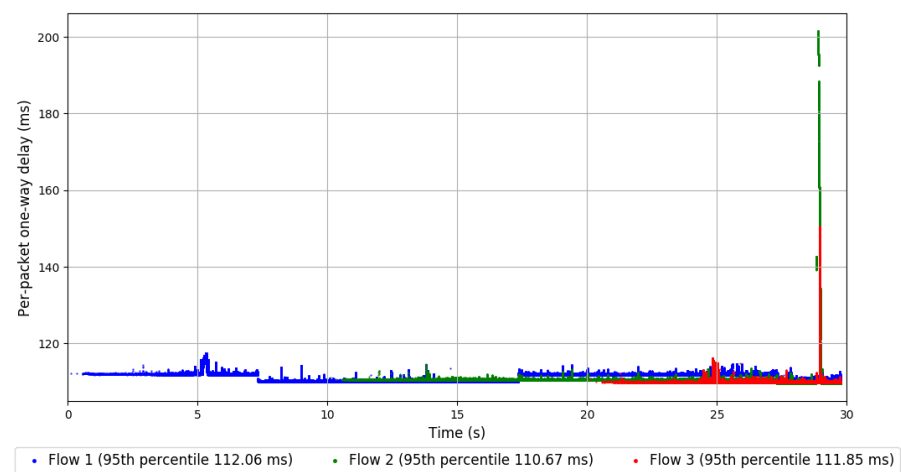
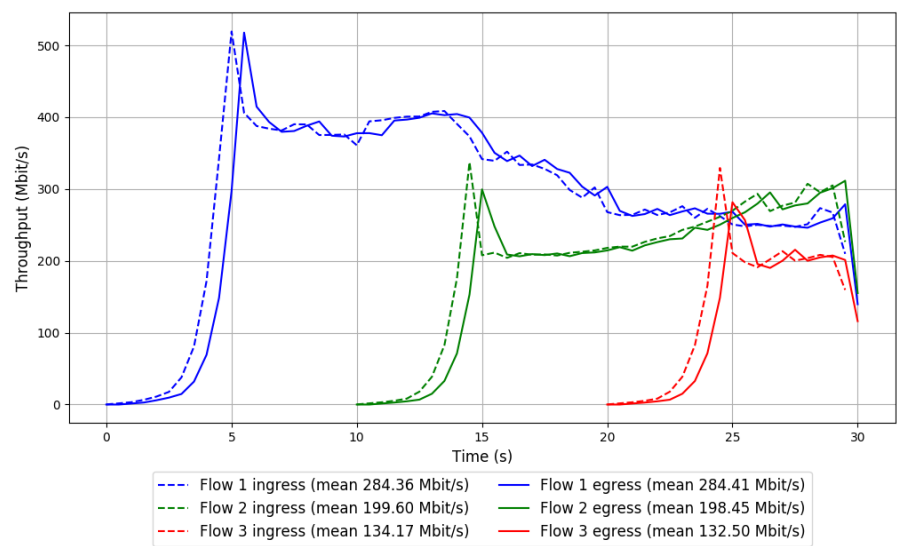
-- Flow 3:

Average throughput: 132.50 Mbit/s

95th percentile per-packet one-way delay: 111.849 ms

Loss rate: 3.50%

Run 4: Report of PCC-Vivace — Data Link

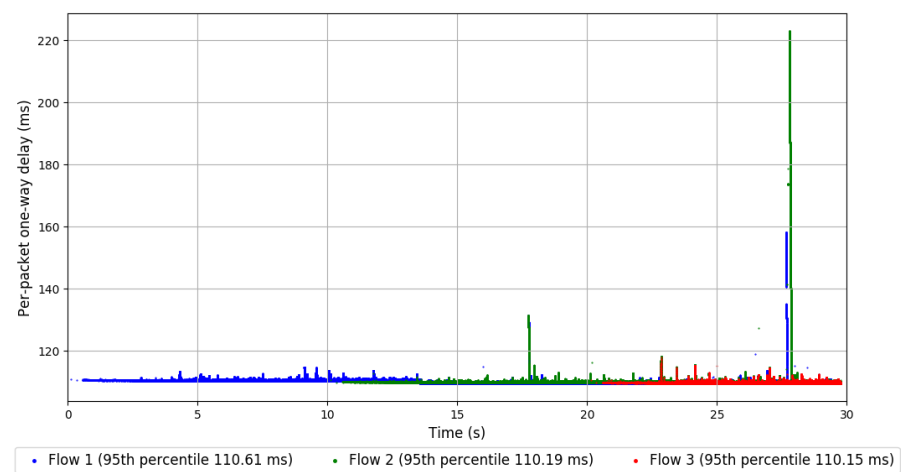
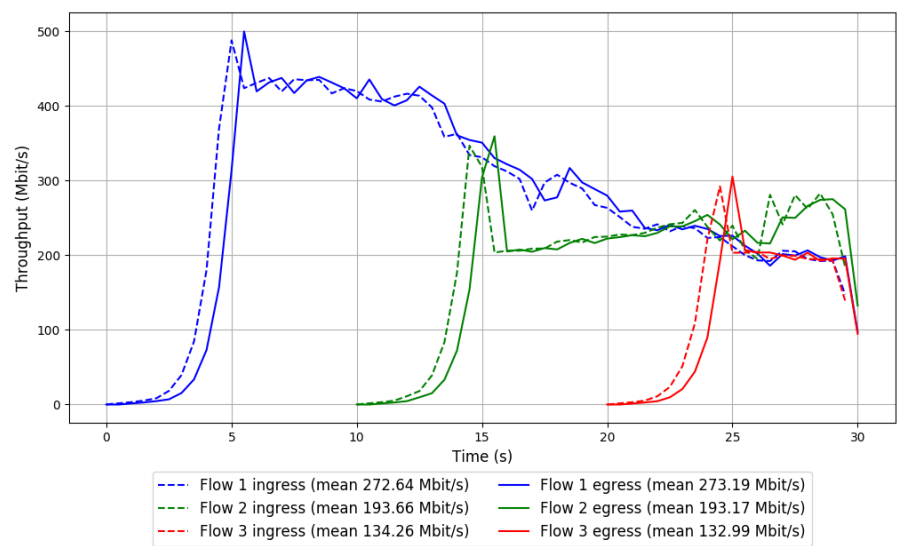


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 19:40:03
End at: 2018-08-01 19:40:33
Local clock offset: 0.082 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-02 00:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.32 Mbit/s
95th percentile per-packet one-way delay: 110.558 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 273.19 Mbit/s
95th percentile per-packet one-way delay: 110.615 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 193.17 Mbit/s
95th percentile per-packet one-way delay: 110.189 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 132.99 Mbit/s
95th percentile per-packet one-way delay: 110.152 ms
Loss rate: 3.19%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 20:06:12

End at: 2018-08-01 20:06:42

Local clock offset: -0.33 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-08-02 00:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 441.93 Mbit/s

95th percentile per-packet one-way delay: 111.341 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 284.56 Mbit/s

95th percentile per-packet one-way delay: 111.499 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 174.10 Mbit/s

95th percentile per-packet one-way delay: 110.943 ms

Loss rate: 1.38%

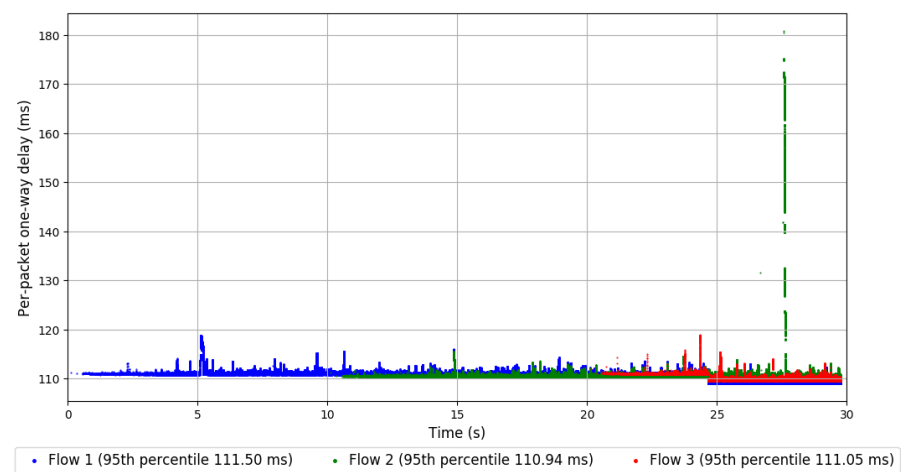
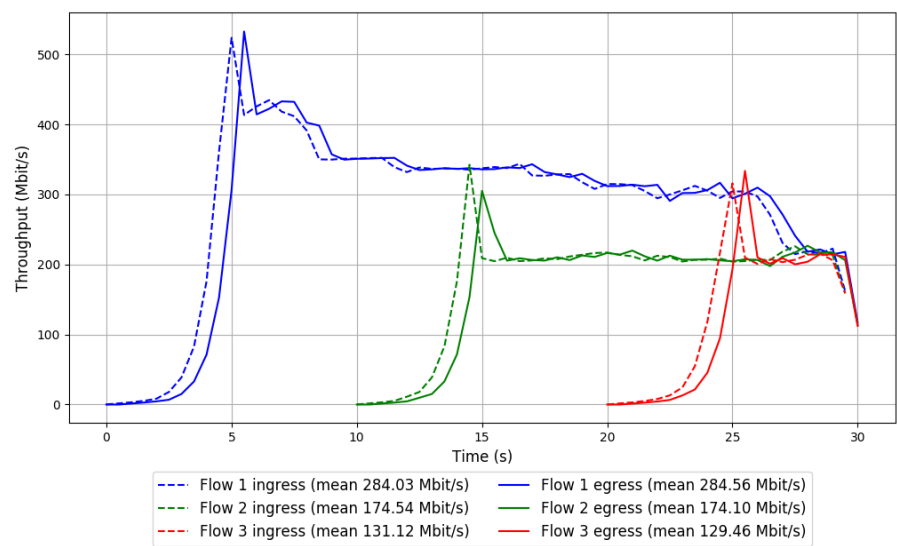
-- Flow 3:

Average throughput: 129.46 Mbit/s

95th percentile per-packet one-way delay: 111.045 ms

Loss rate: 3.52%

Run 6: Report of PCC-Vivace — Data Link

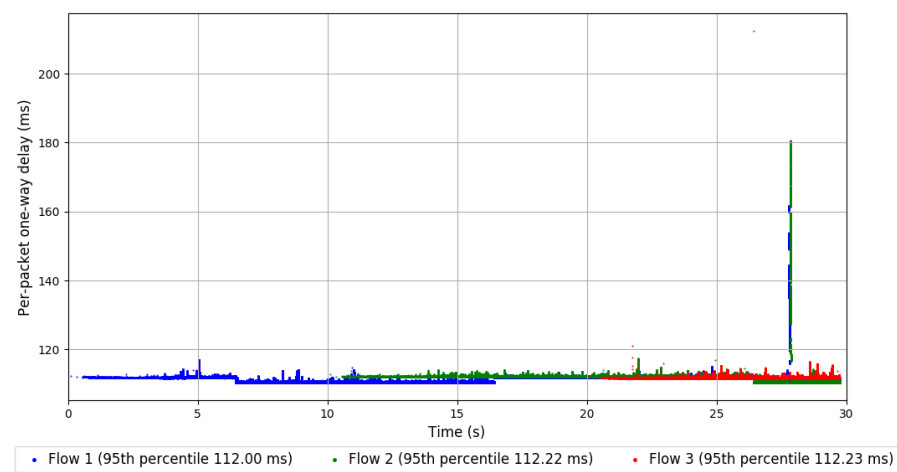
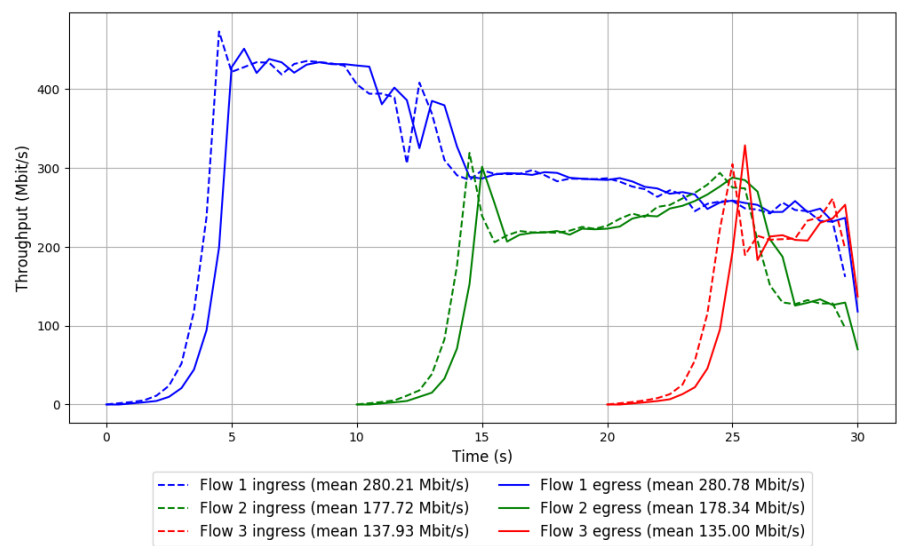


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 20:32:11
End at: 2018-08-01 20:32:41
Local clock offset: -0.182 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-02 00:44:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.77 Mbit/s
95th percentile per-packet one-way delay: 112.118 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 280.78 Mbit/s
95th percentile per-packet one-way delay: 111.996 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 178.34 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 135.00 Mbit/s
95th percentile per-packet one-way delay: 112.231 ms
Loss rate: 4.39%

Run 7: Report of PCC-Vivace — Data Link

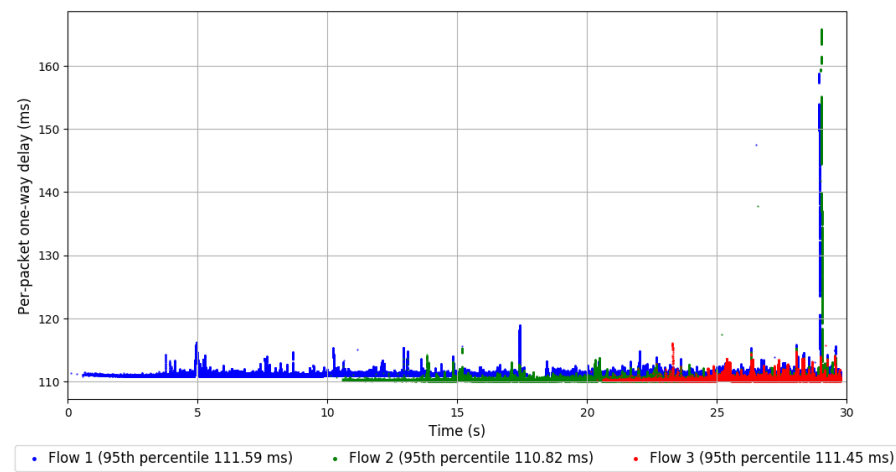
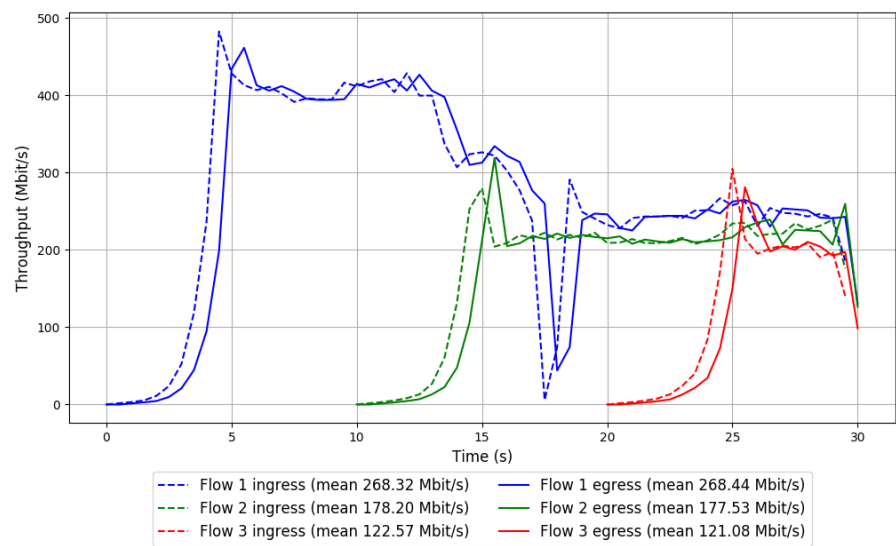


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 20:57:57
End at: 2018-08-01 20:58:27
Local clock offset: -0.064 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-02 00:44:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.26 Mbit/s
95th percentile per-packet one-way delay: 111.491 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 268.44 Mbit/s
95th percentile per-packet one-way delay: 111.595 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 177.53 Mbit/s
95th percentile per-packet one-way delay: 110.818 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 121.08 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 3.51%

Run 8: Report of PCC-Vivace — Data Link

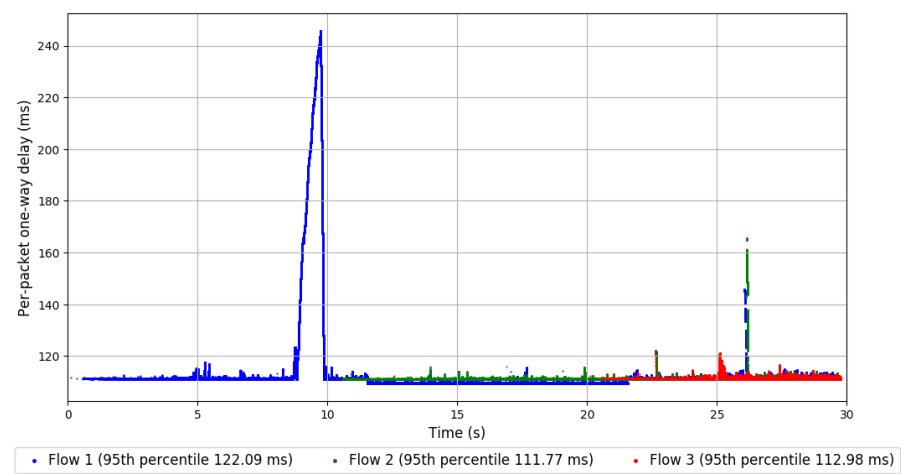
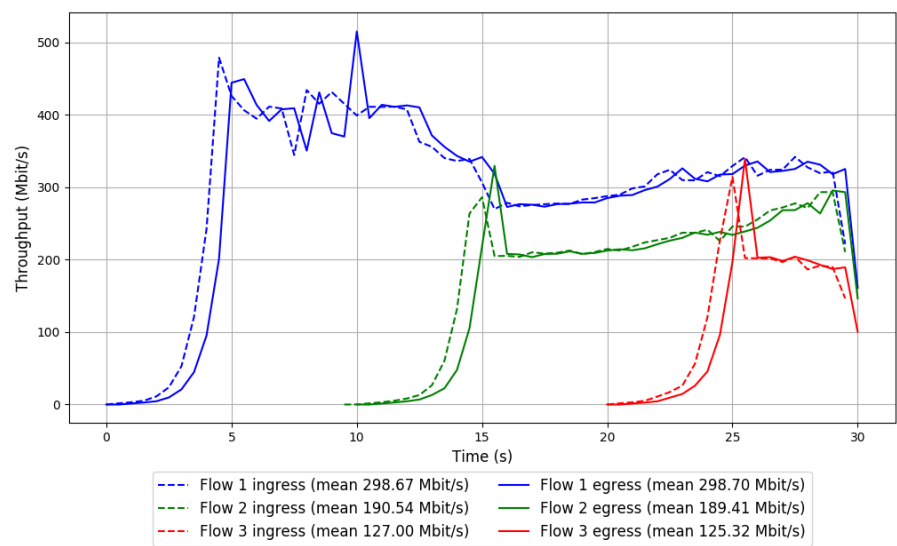


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 21:24:15
End at: 2018-08-01 21:24:46
Local clock offset: -0.036 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-08-02 00:45:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.92 Mbit/s
95th percentile per-packet one-way delay: 113.386 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 298.70 Mbit/s
95th percentile per-packet one-way delay: 122.089 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 189.41 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 125.32 Mbit/s
95th percentile per-packet one-way delay: 112.983 ms
Loss rate: 3.57%

Run 9: Report of PCC-Vivace — Data Link

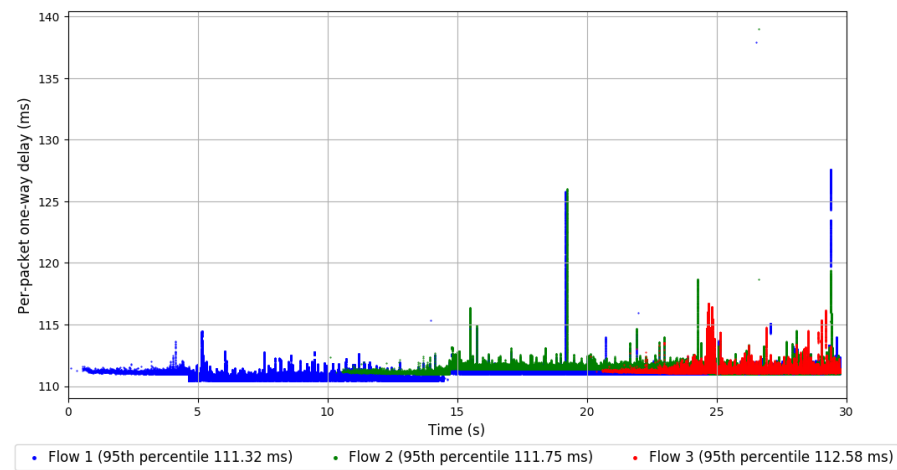
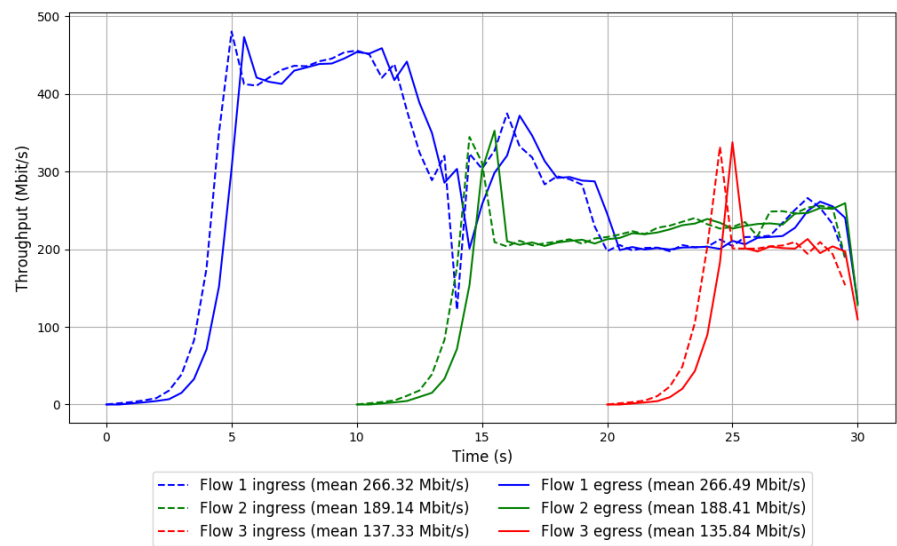


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 21:50:02
End at: 2018-08-01 21:50:32
Local clock offset: -0.068 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.40 Mbit/s
95th percentile per-packet one-way delay: 111.631 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 266.49 Mbit/s
95th percentile per-packet one-way delay: 111.321 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 111.753 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 135.84 Mbit/s
95th percentile per-packet one-way delay: 112.576 ms
Loss rate: 3.36%

Run 10: Report of PCC-Vivace — Data Link

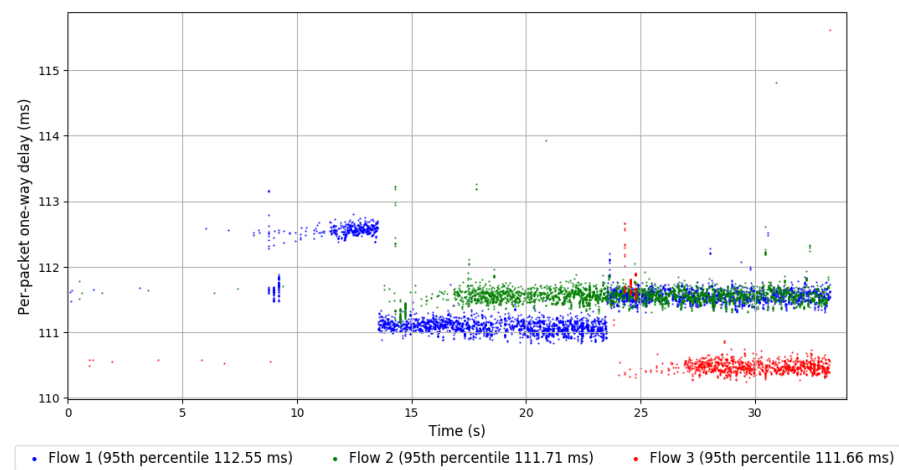
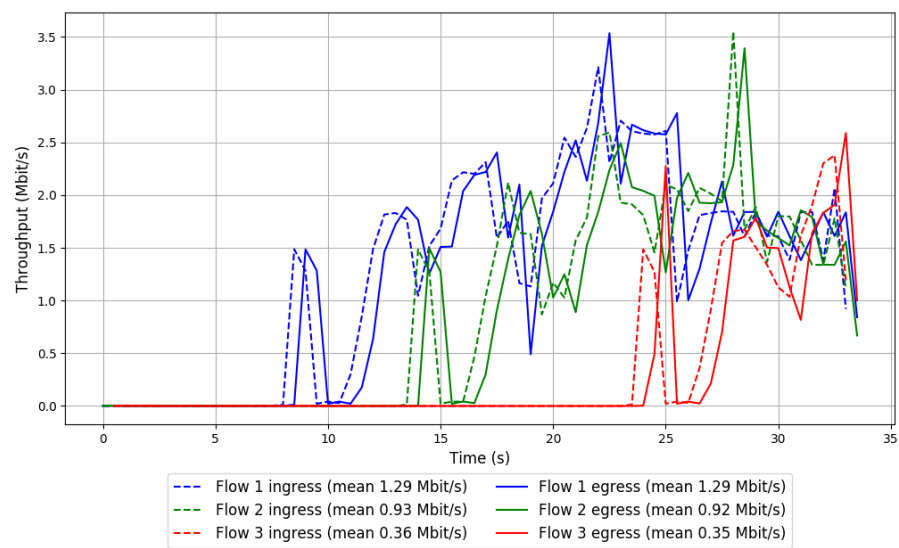


Run 1: Statistics of WebRTC media

Start at: 2018-08-01 17:58:07
End at: 2018-08-01 17:58:37
Local clock offset: -0.055 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 112.078 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 112.548 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 111.712 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 111.661 ms
Loss rate: 3.29%

Run 1: Report of WebRTC media — Data Link

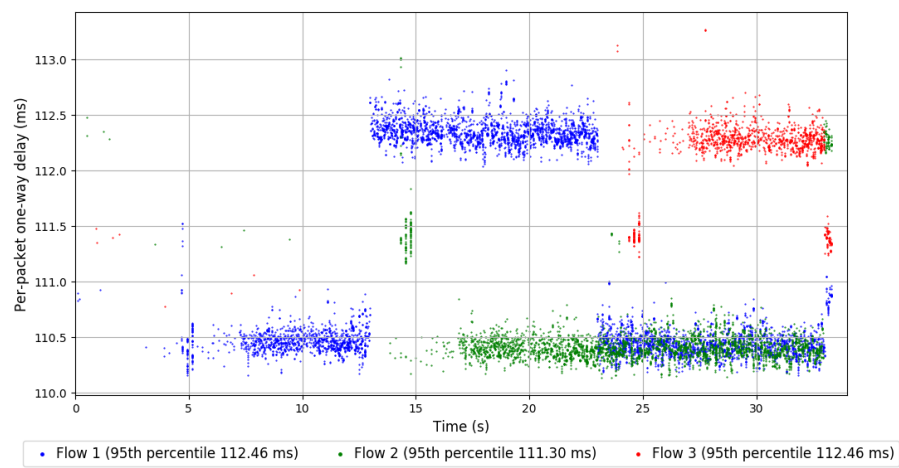
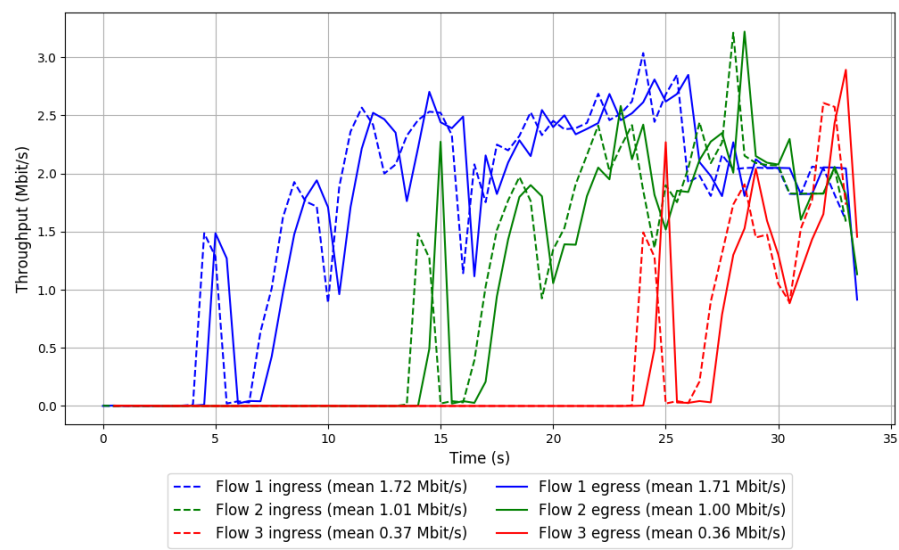


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 18:24:18
End at: 2018-08-01 18:24:48
Local clock offset: -0.317 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 112.431 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 111.296 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.460 ms
Loss rate: 2.73%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 18:51:39

End at: 2018-08-01 18:52:09

Local clock offset: -0.044 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2018-08-02 00:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 113.125 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 111.385 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 113.224 ms

Loss rate: 1.37%

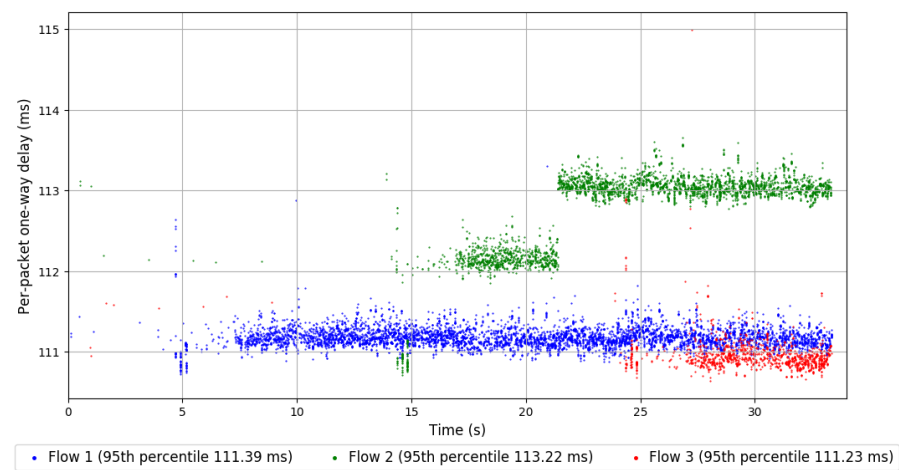
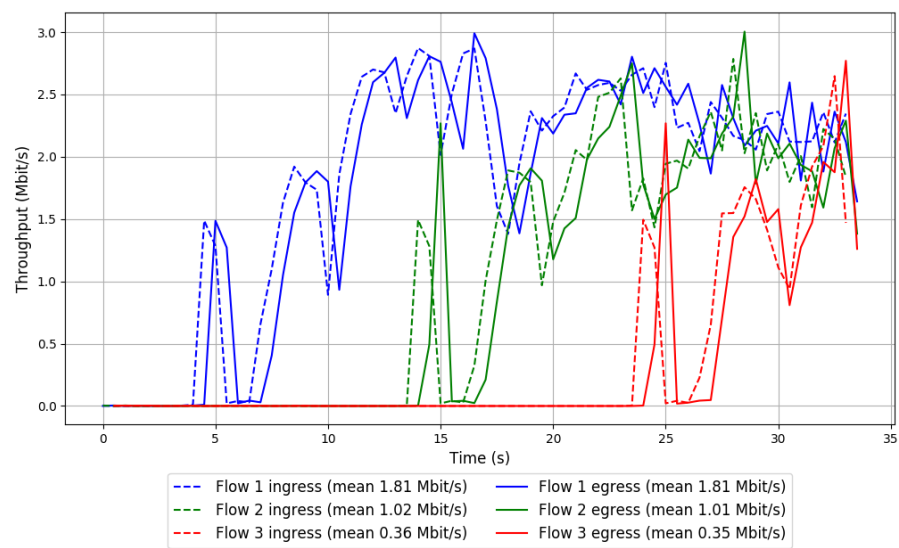
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 111.228 ms

Loss rate: 2.86%

Run 3: Report of WebRTC media — Data Link

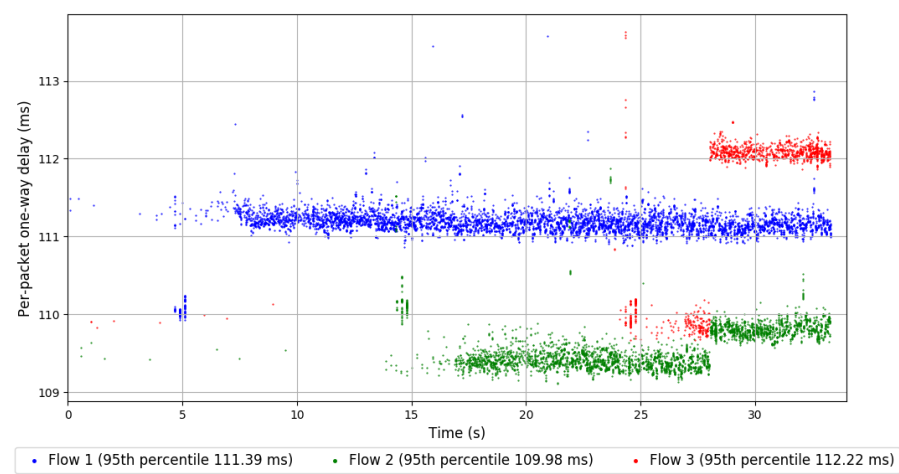
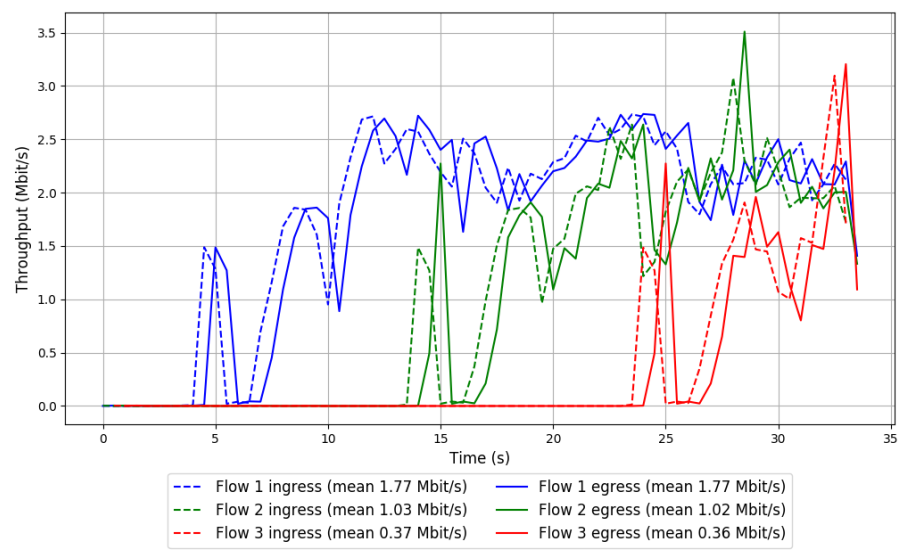


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 19:18:33
End at: 2018-08-01 19:19:03
Local clock offset: -0.079 ms
Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 112.067 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 109.979 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.222 ms
Loss rate: 4.36%

Run 4: Report of WebRTC media — Data Link

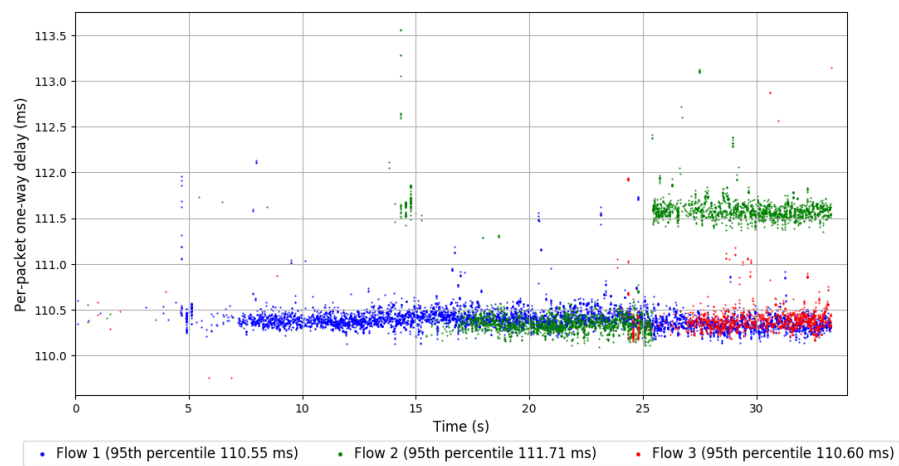
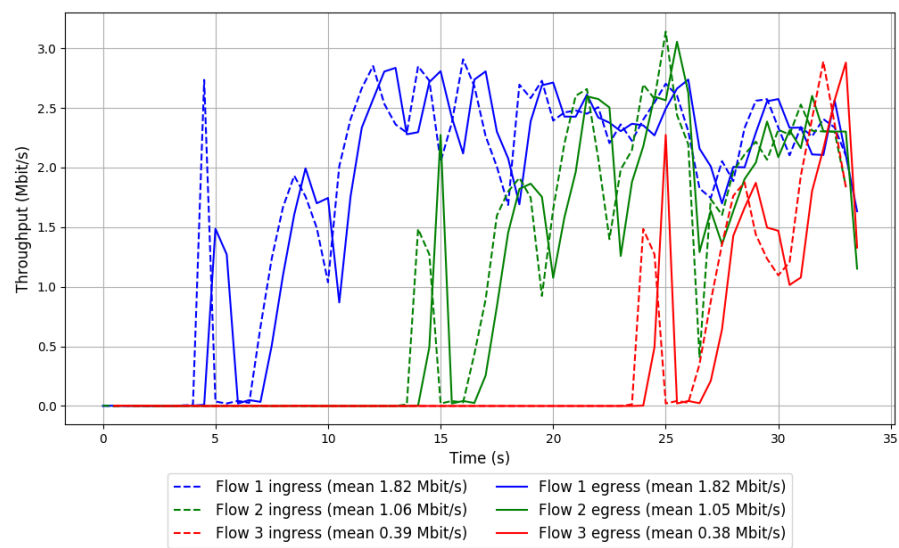


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 19:44:25
End at: 2018-08-01 19:44:55
Local clock offset: -0.157 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 110.551 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 111.708 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 110.603 ms
Loss rate: 4.02%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 20:10:34

End at: 2018-08-01 20:11:04

Local clock offset: -0.183 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-08-02 00:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 111.914 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 111.568 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 111.994 ms

Loss rate: 1.72%

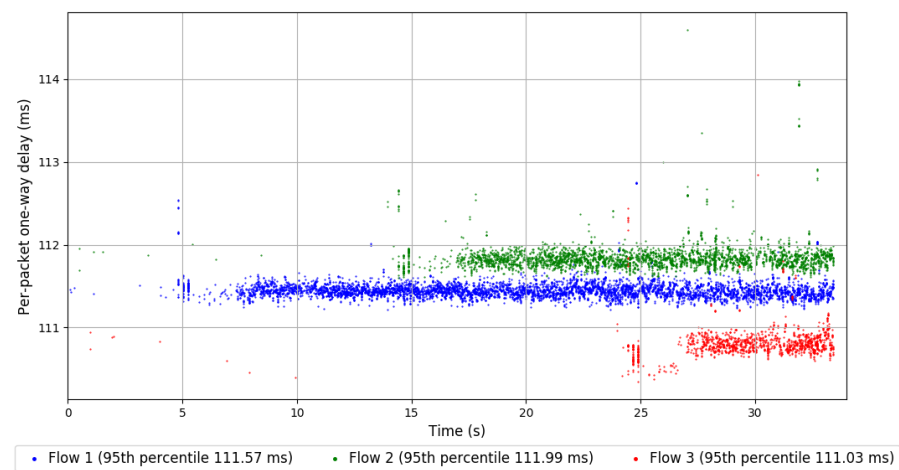
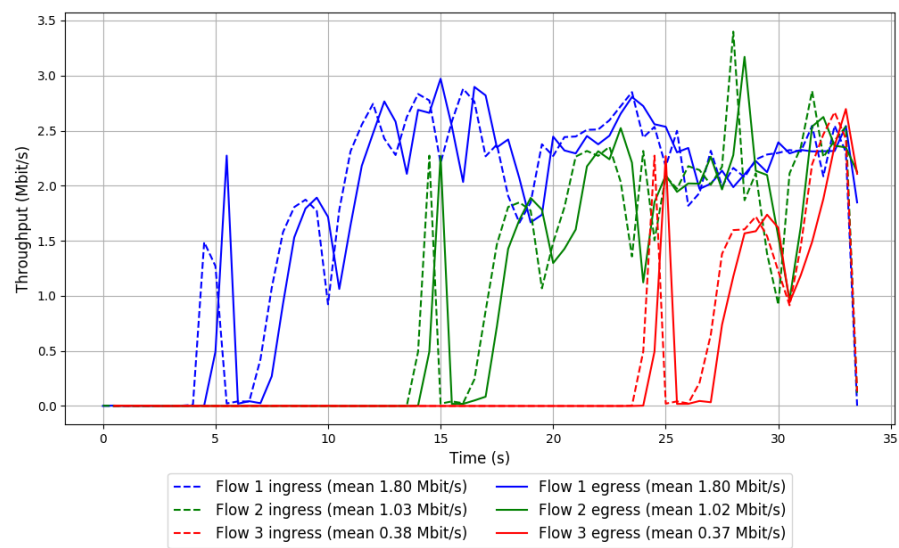
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 111.028 ms

Loss rate: 4.26%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 20:36:33

End at: 2018-08-01 20:37:03

Local clock offset: -1.245 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-08-02 00:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 110.259 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 110.324 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 109.943 ms

Loss rate: 1.11%

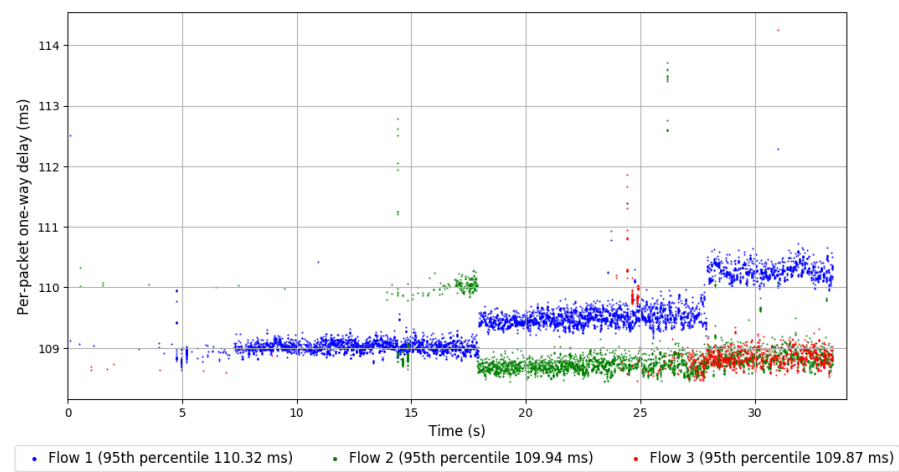
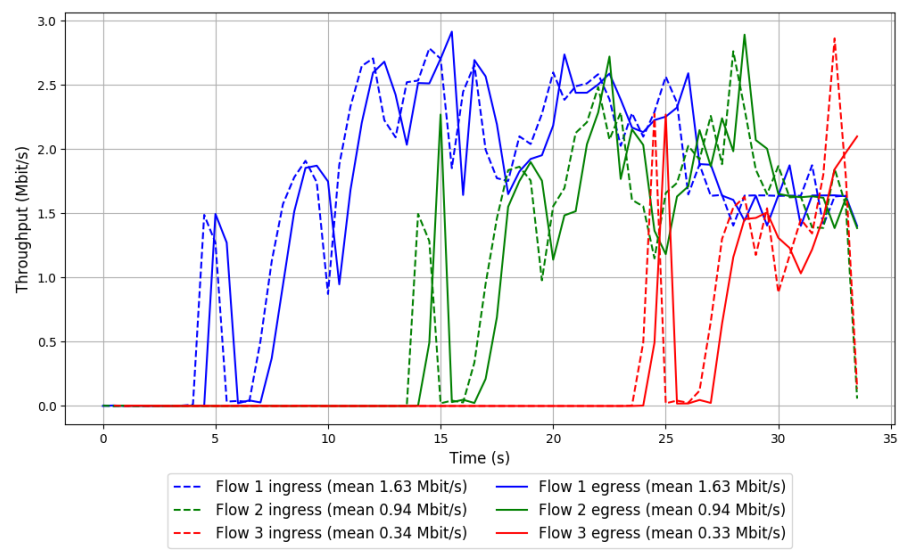
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 109.870 ms

Loss rate: 4.41%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-01 21:02:18

End at: 2018-08-01 21:02:48

Local clock offset: -0.158 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-08-02 00:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 110.877 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 110.702 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 110.950 ms

Loss rate: 1.37%

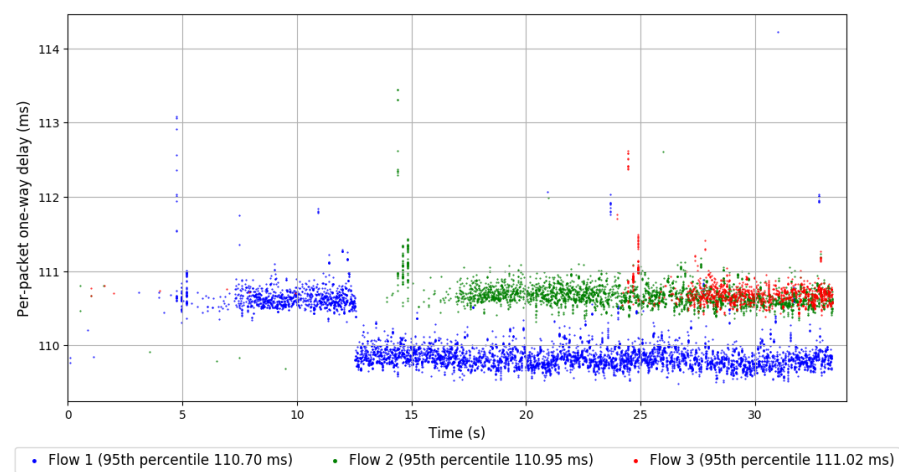
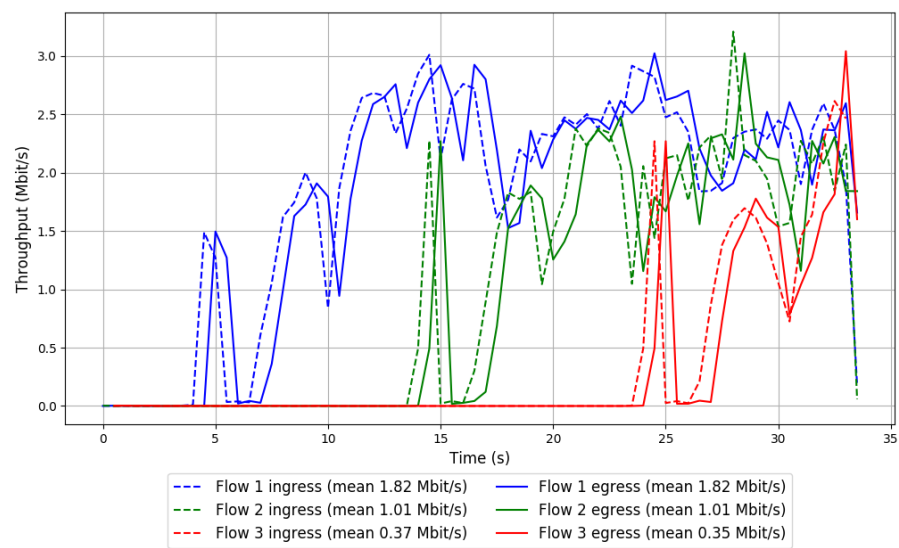
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 111.019 ms

Loss rate: 5.10%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-01 21:28:40

End at: 2018-08-01 21:29:10

Local clock offset: -0.407 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-08-02 00:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.18 Mbit/s

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

Loss rate: 1.76%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 111.786 ms

Loss rate: 1.69%

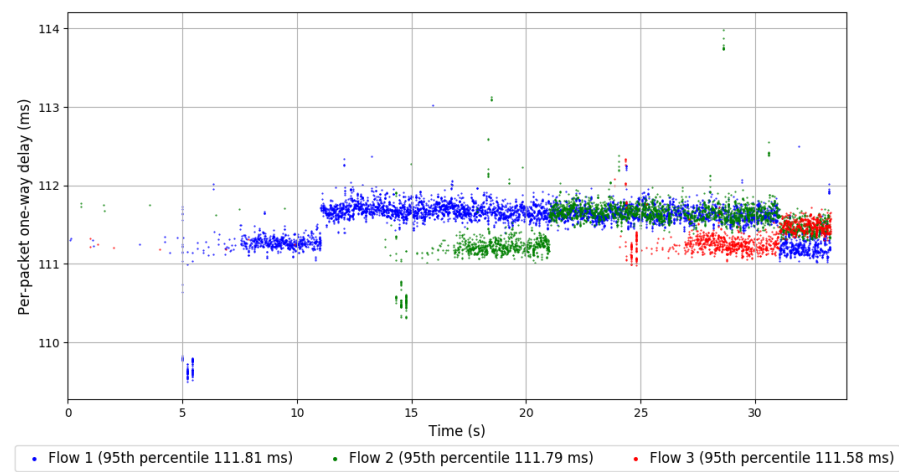
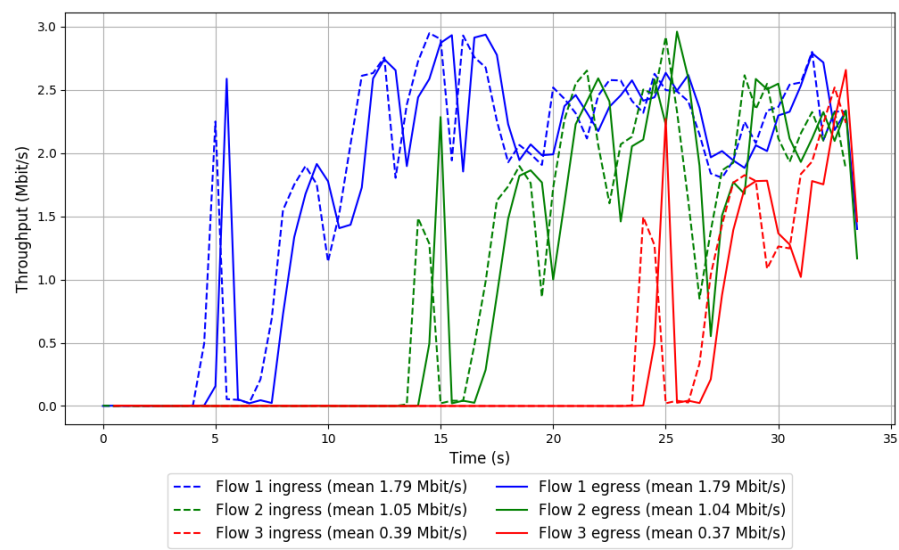
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 111.575 ms

Loss rate: 4.74%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 21:54:24
End at: 2018-08-01 21:54:54
Local clock offset: -1.459 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-02 00:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 111.197 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 109.803 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 111.257 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 110.176 ms
Loss rate: 4.32%

Run 10: Report of WebRTC media — Data Link

