

Pantheon Report

Generated at 2018-07-18 22:45:05 (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.

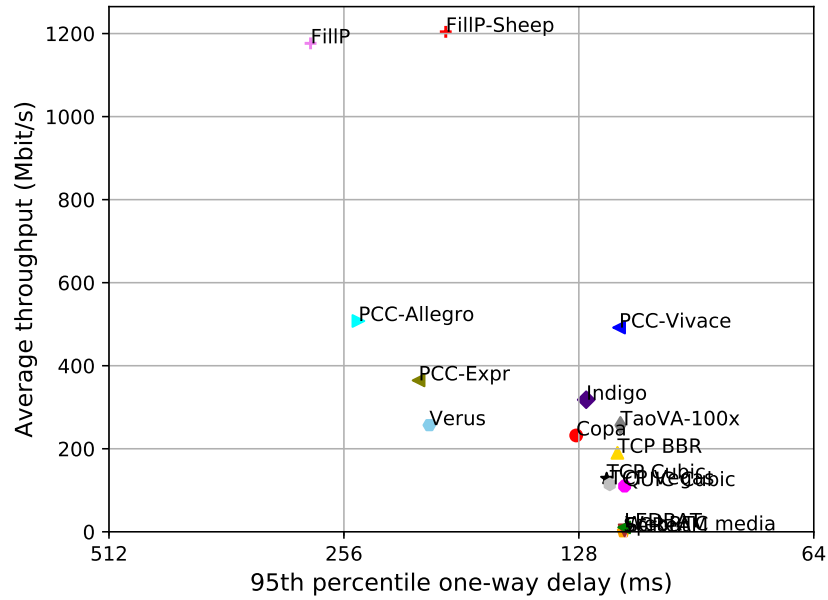
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

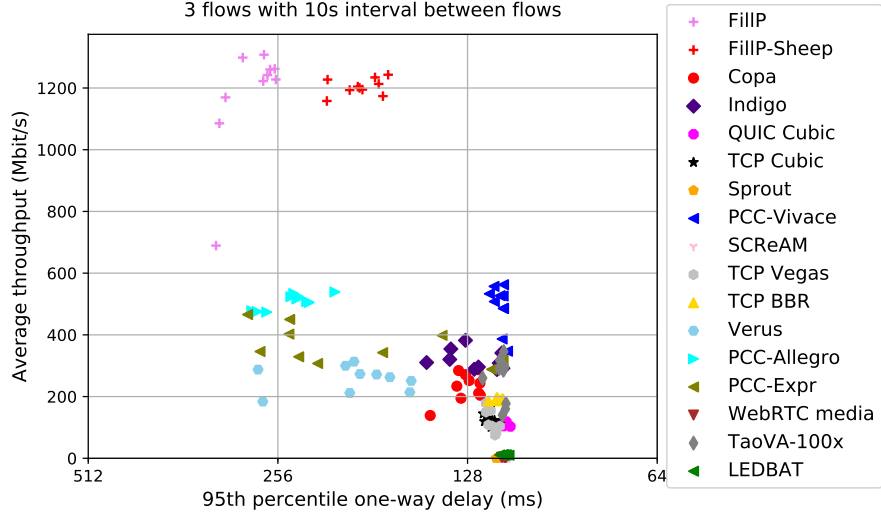
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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



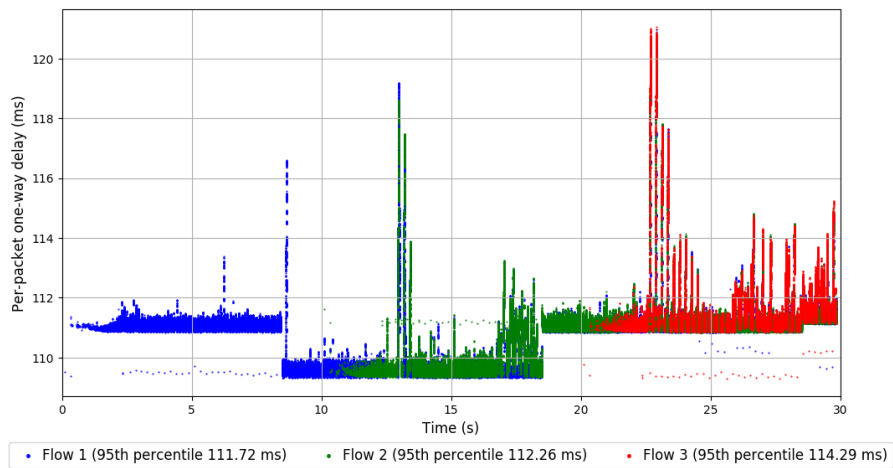
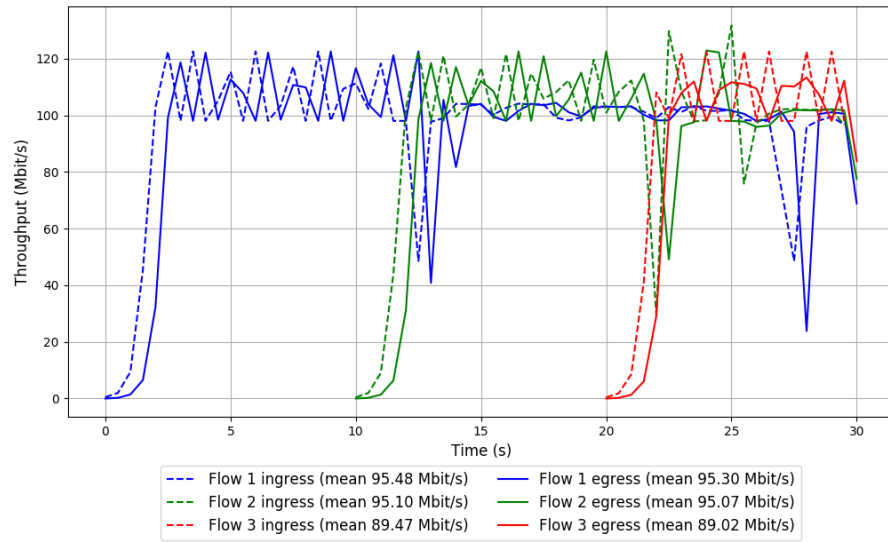
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	97.42	96.20	89.13	113.24	113.71	116.38	0.78	1.23	2.74
Copa	10	142.27	89.03	97.69	124.07	127.73	132.37	0.56	1.15	3.03
TCP Cubic	10	79.39	52.50	43.06	118.21	117.05	116.98	0.79	2.46	4.16
FillP	10	639.50	560.68	506.40	290.12	269.49	197.37	3.05	2.54	3.38
FillP-Sheep	10	659.65	592.44	464.83	198.52	171.75	122.61	0.91	1.48	2.70
Indigo	10	166.83	162.36	134.47	123.08	125.65	131.32	0.74	1.12	2.77
LEDBAT	10	6.97	4.65	1.97	112.05	111.88	111.56	1.52	2.27	4.95
PCC-Allegro	10	479.52	28.73	28.51	245.30	243.74	233.69	3.76	3.70	7.36
PCC-Expr	10	238.44	164.00	54.09	197.10	201.42	202.75	1.68	2.31	4.39
QUIC Cubic	10	59.97	56.32	38.93	111.59	111.38	111.38	0.97	1.28	2.78
SCReAM	10	0.22	0.22	0.22	111.23	111.08	110.59	0.74	1.24	2.18
Sprout	10	0.20	0.24	0.27	111.84	111.89	111.91	0.62	0.85	1.63
TaoVA-100x	10	135.20	141.62	95.08	112.79	112.76	116.62	0.74	0.69	2.04
TCP Vegas	10	61.91	55.17	48.43	116.63	116.06	116.37	0.76	1.10	2.56
Verus	10	156.96	123.66	58.92	189.23	190.97	219.11	1.91	1.95	5.29
PCC-Vivace	10	295.40	225.37	145.25	113.56	122.77	119.06	0.83	1.54	3.69
WebRTC media	10	1.88	1.17	0.41	111.63	111.50	111.54	0.98	1.52	2.29

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 16:10:09
End at: 2018-07-18 16:10:39
Local clock offset: -0.089 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-18 20:29:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.45 Mbit/s
95th percentile per-packet one-way delay: 112.595 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 111.722 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 112.262 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 114.288 ms
Loss rate: 2.76%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-18 16:36:23

End at: 2018-07-18 16:36:53

Local clock offset: -0.113 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-07-18 20:29:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 187.13 Mbit/s

95th percentile per-packet one-way delay: 113.365 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 111.747 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 113.034 ms

Loss rate: 1.20%

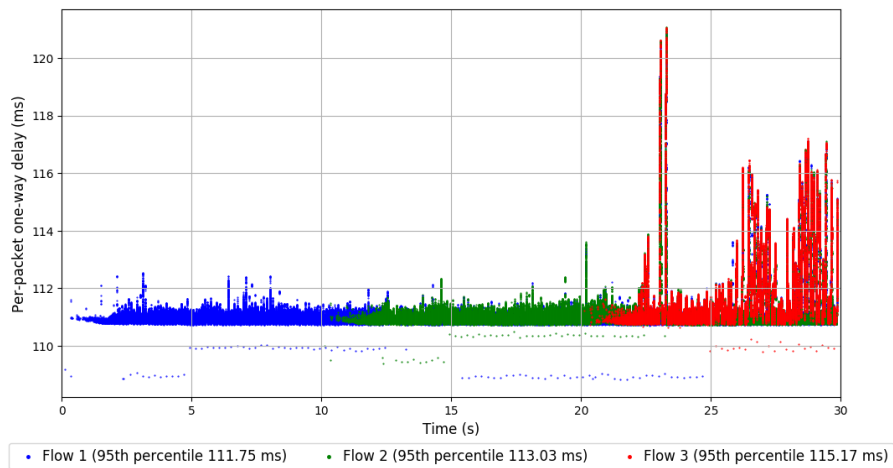
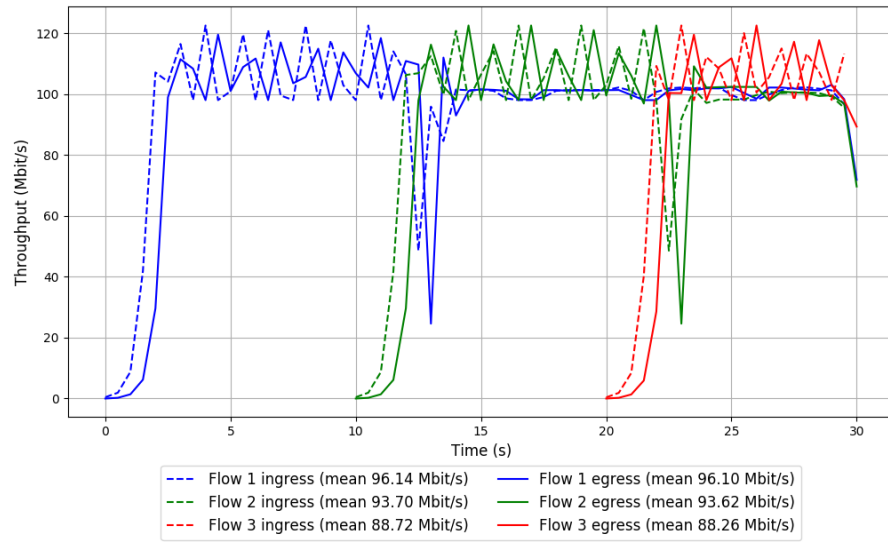
-- Flow 3:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 115.170 ms

Loss rate: 2.74%

Run 2: Report of TCP BBR — Data Link

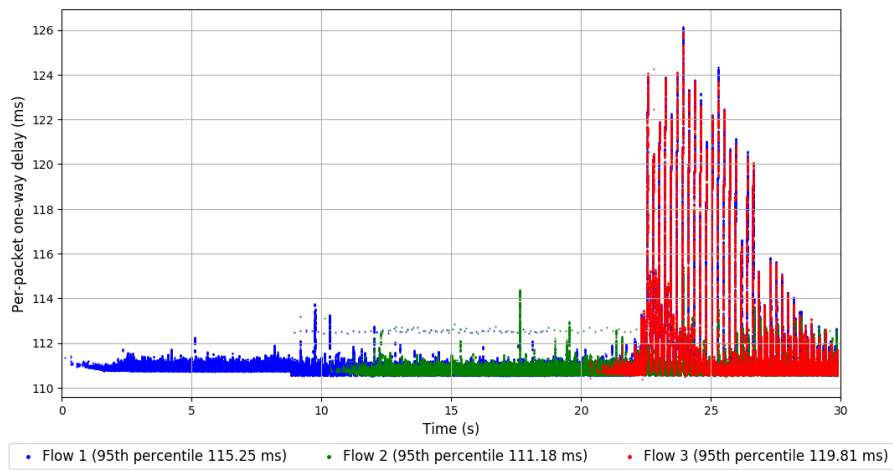
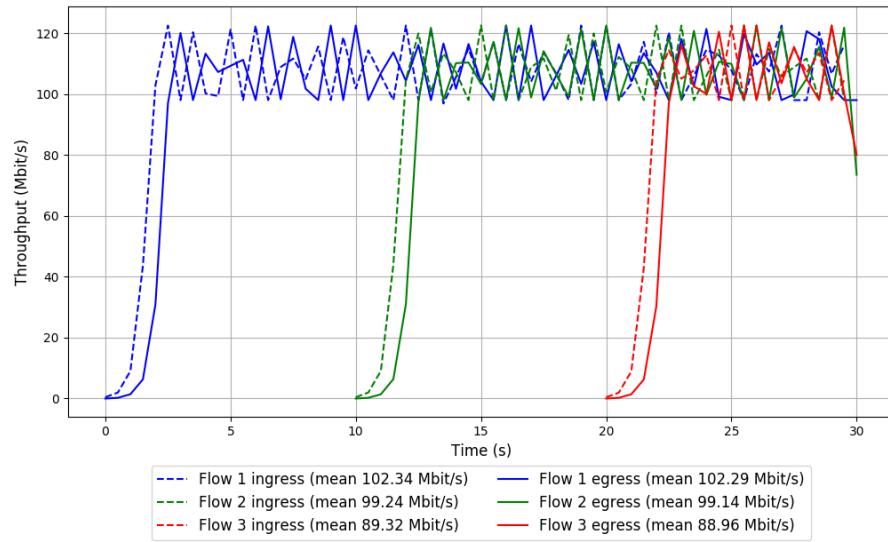


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 17:02:38
End at: 2018-07-18 17:03:08
Local clock offset: 1.072 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.10 Mbit/s
95th percentile per-packet one-way delay: 114.904 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 102.29 Mbit/s
95th percentile per-packet one-way delay: 115.255 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 99.14 Mbit/s
95th percentile per-packet one-way delay: 111.179 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 119.812 ms
Loss rate: 2.63%

Run 3: Report of TCP BBR — Data Link

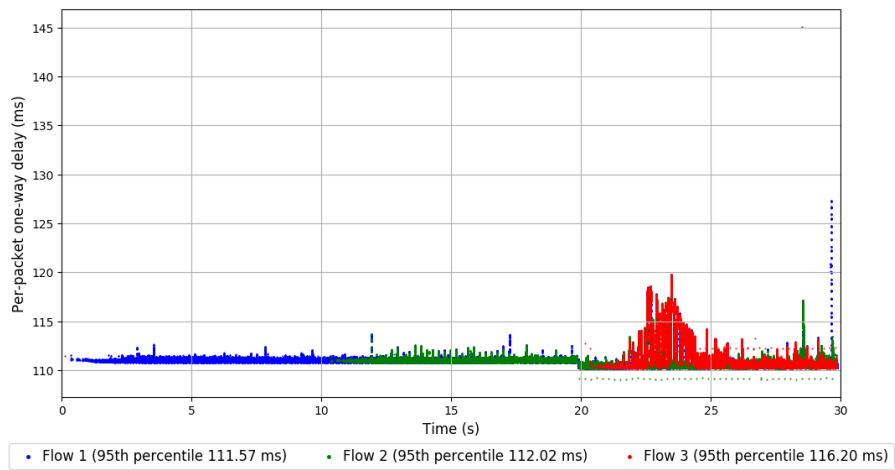
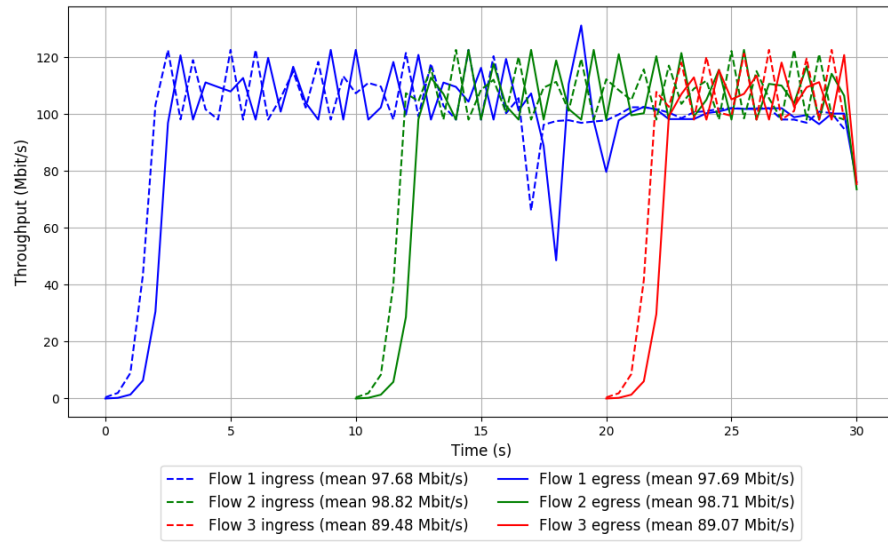


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 17:28:37
End at: 2018-07-18 17:29:07
Local clock offset: -0.193 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.97 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 97.69 Mbit/s
95th percentile per-packet one-way delay: 111.573 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 112.020 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 116.197 ms
Loss rate: 2.76%

Run 4: Report of TCP BBR — Data Link

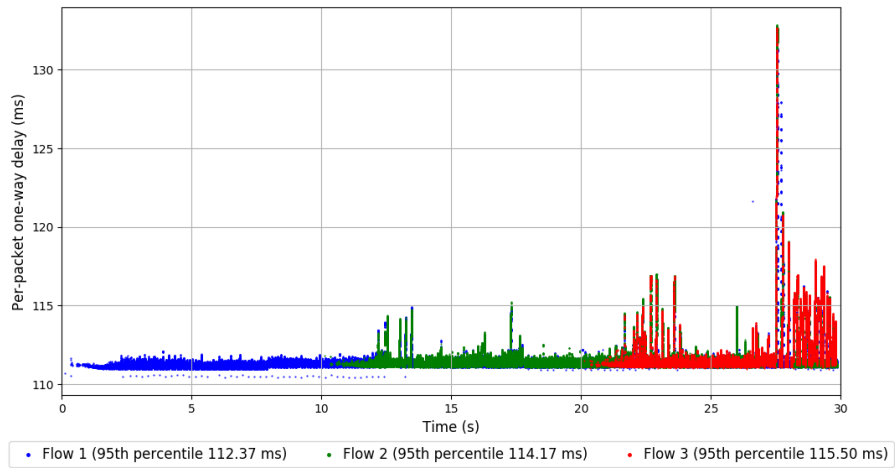
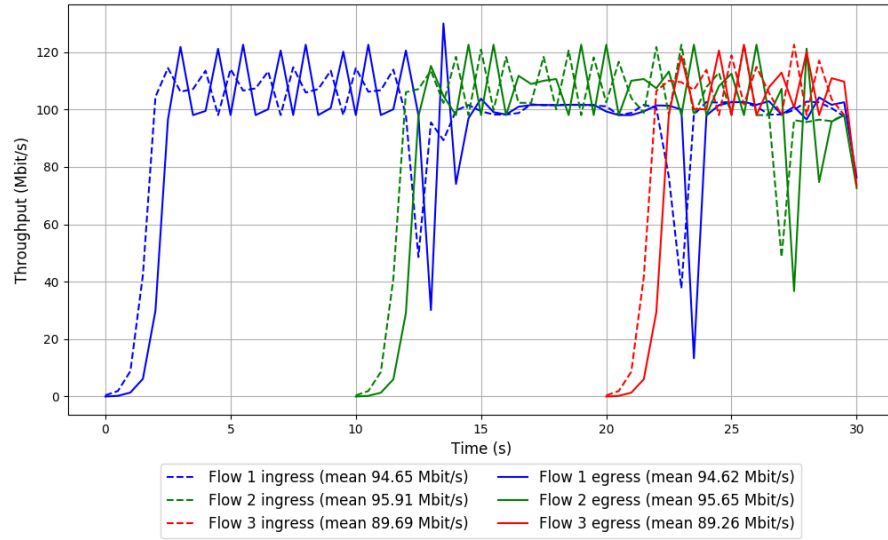


Run 5: Statistics of TCP BBR

Start at: 2018-07-18 17:54:49
End at: 2018-07-18 17:55:19
Local clock offset: -0.228 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.11 Mbit/s
95th percentile per-packet one-way delay: 113.909 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 112.373 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 114.167 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 115.504 ms
Loss rate: 2.76%

Run 5: Report of TCP BBR — Data Link

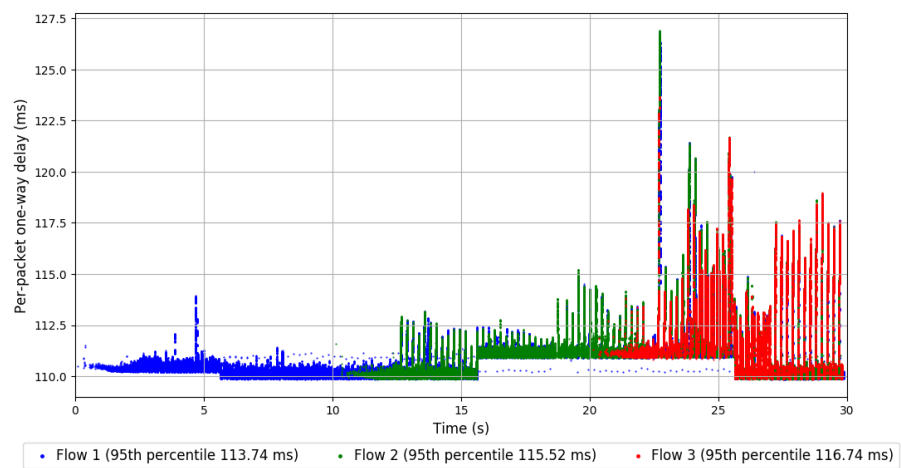
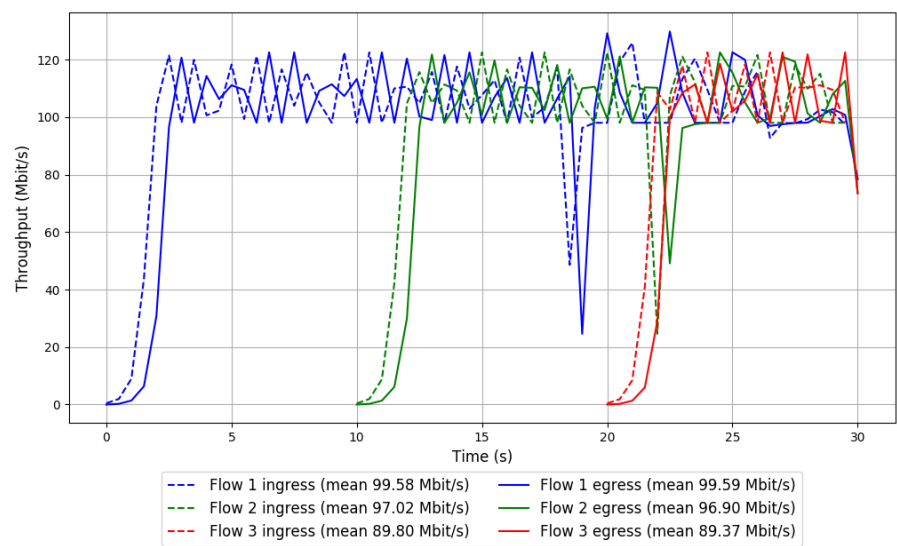


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 18:21:02
End at: 2018-07-18 18:21:32
Local clock offset: -0.055 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.60 Mbit/s
95th percentile per-packet one-way delay: 115.318 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 99.59 Mbit/s
95th percentile per-packet one-way delay: 113.744 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 115.522 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 116.742 ms
Loss rate: 2.76%

Run 6: Report of TCP BBR — Data Link

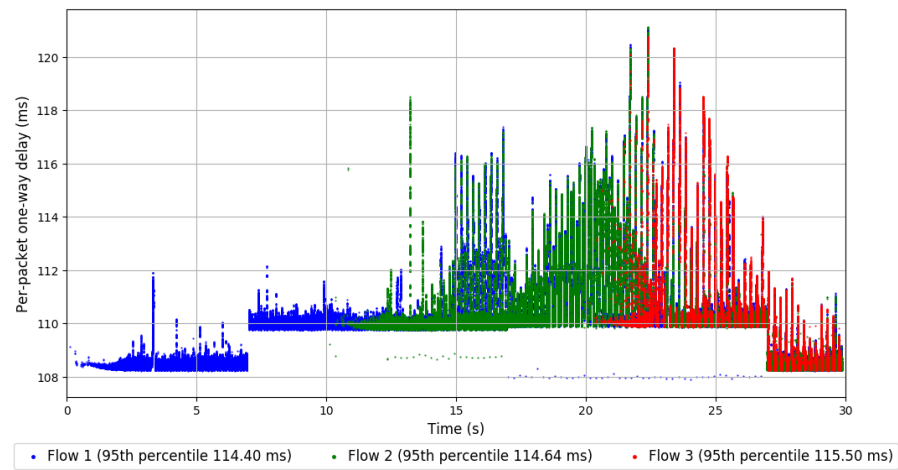
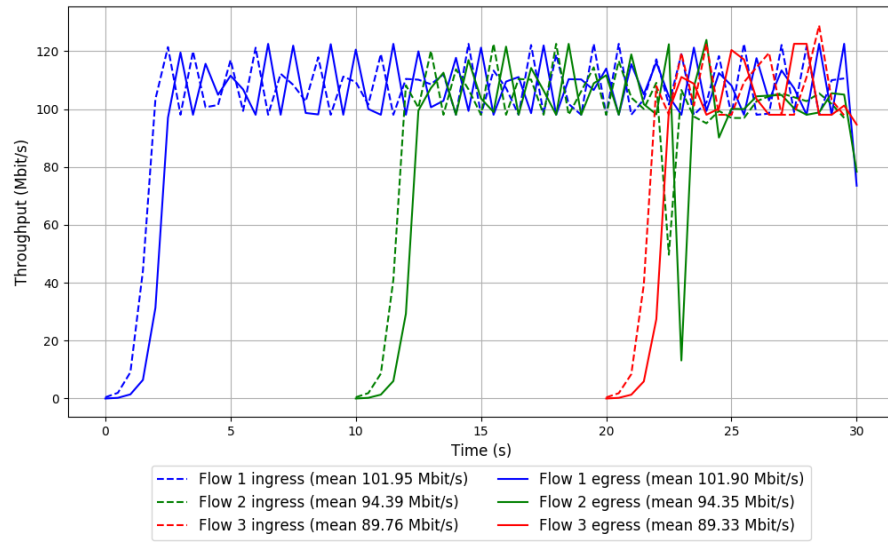


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 18:47:10
End at: 2018-07-18 18:47:40
Local clock offset: -1.402 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.48 Mbit/s
95th percentile per-packet one-way delay: 114.652 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 101.90 Mbit/s
95th percentile per-packet one-way delay: 114.403 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 114.644 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 115.503 ms
Loss rate: 2.76%

Run 7: Report of TCP BBR — Data Link

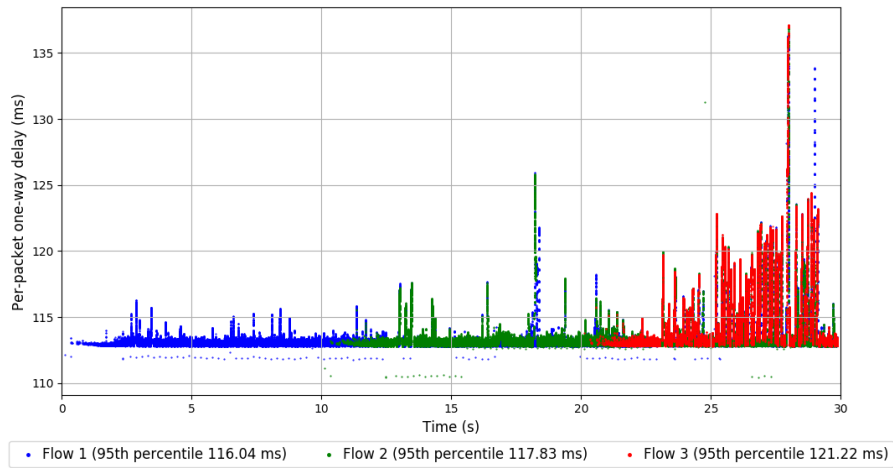
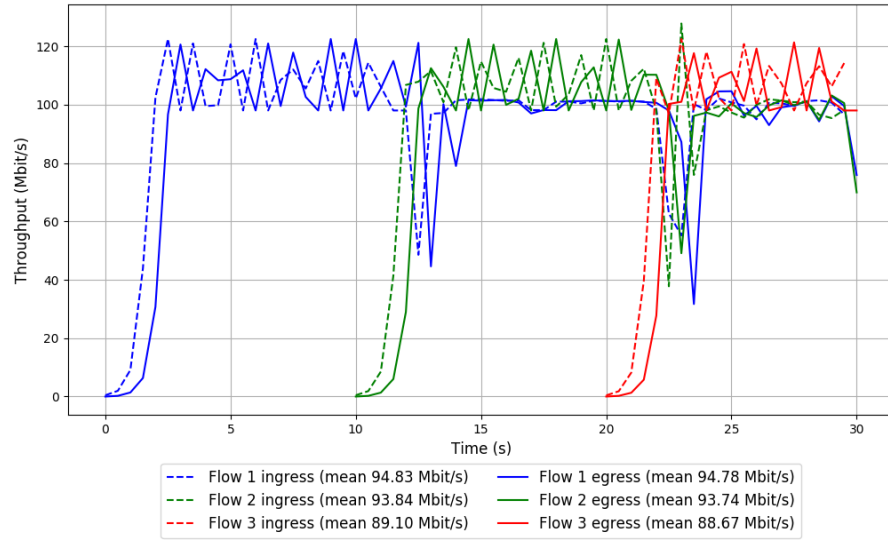


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 19:13:42
End at: 2018-07-18 19:14:12
Local clock offset: 1.22 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-18 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.83 Mbit/s
95th percentile per-packet one-way delay: 118.489 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 116.042 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 117.832 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 121.218 ms
Loss rate: 2.76%

Run 8: Report of TCP BBR — Data Link

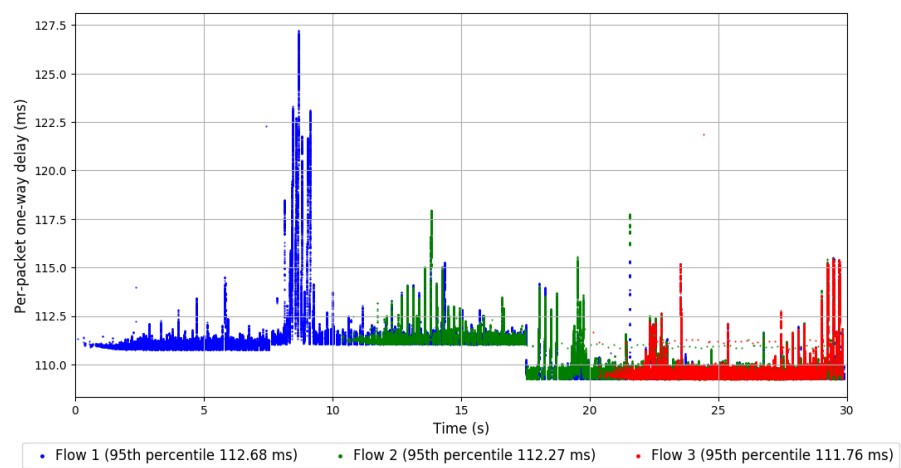
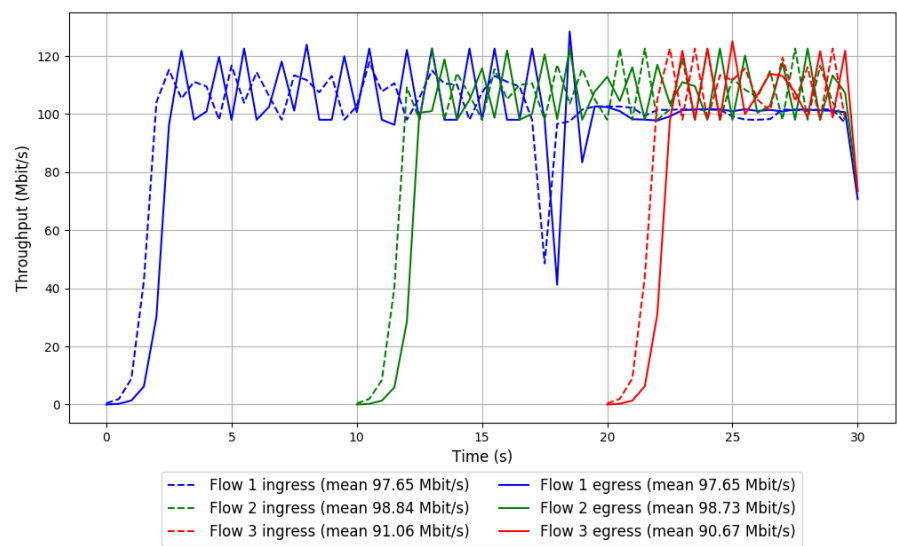


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 19:39:40
End at: 2018-07-18 19:40:10
Local clock offset: -0.143 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-18 20:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 97.65 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 98.73 Mbit/s
95th percentile per-packet one-way delay: 112.266 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 2.71%

Run 9: Report of TCP BBR — Data Link

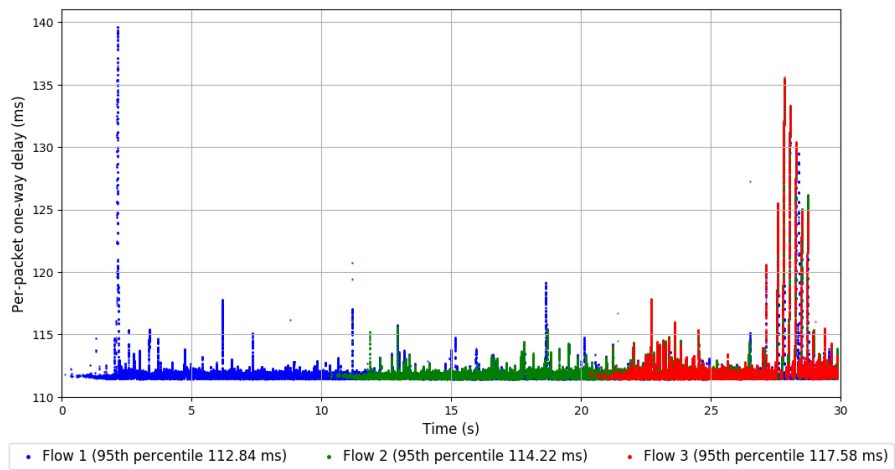
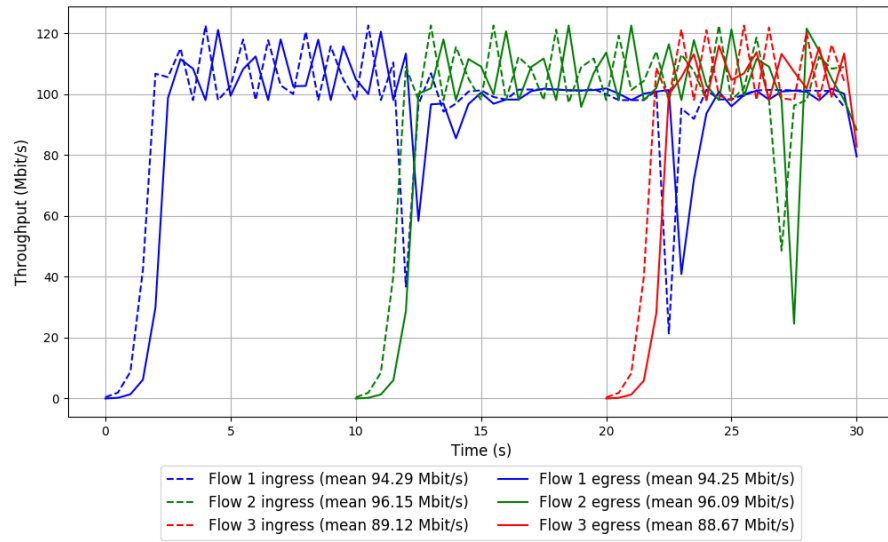


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 20:05:42
End at: 2018-07-18 20:06:12
Local clock offset: -0.154 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-18 20:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.96 Mbit/s
95th percentile per-packet one-way delay: 113.776 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 112.841 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 114.218 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 117.578 ms
Loss rate: 2.76%

Run 10: Report of TCP BBR — Data Link

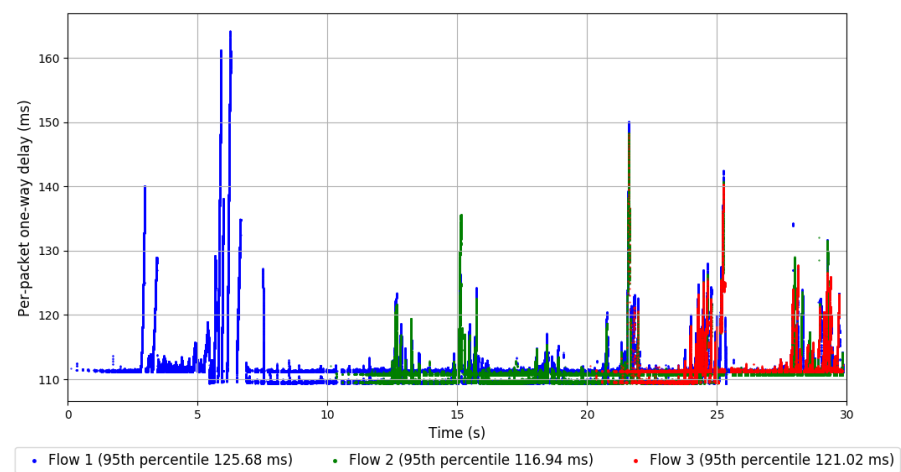
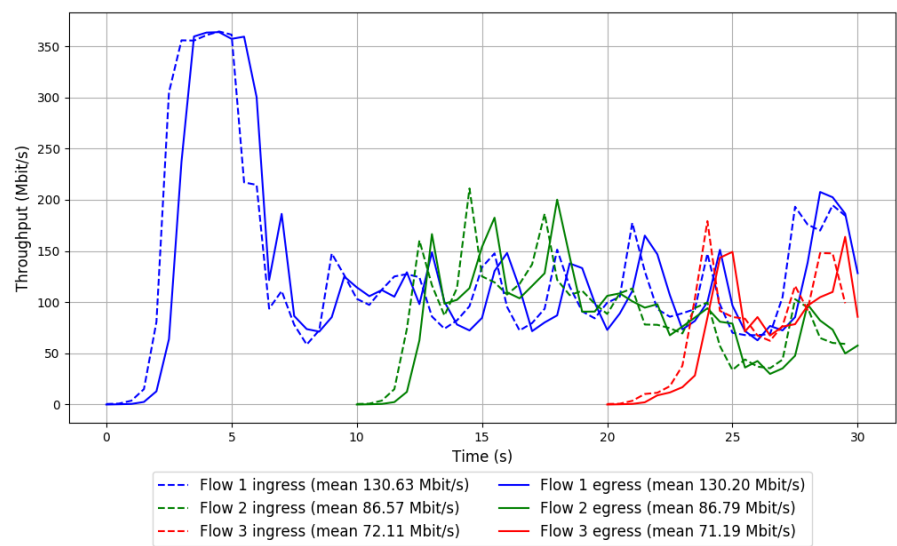


Run 1: Statistics of Copa

Start at: 2018-07-18 15:52:42
End at: 2018-07-18 15:53:12
Local clock offset: -0.048 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-18 20:35:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.00 Mbit/s
95th percentile per-packet one-way delay: 122.890 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 130.20 Mbit/s
95th percentile per-packet one-way delay: 125.680 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 116.938 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 121.022 ms
Loss rate: 3.45%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-18 16:19:06

End at: 2018-07-18 16:19:36

Local clock offset: -0.142 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-07-18 20:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.90 Mbit/s

95th percentile per-packet one-way delay: 128.972 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 130.594 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 102.80 Mbit/s

95th percentile per-packet one-way delay: 115.113 ms

Loss rate: 0.86%

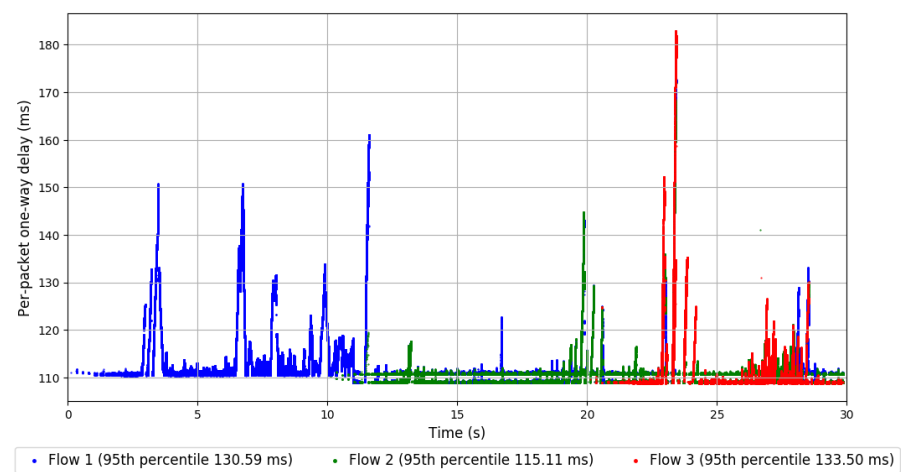
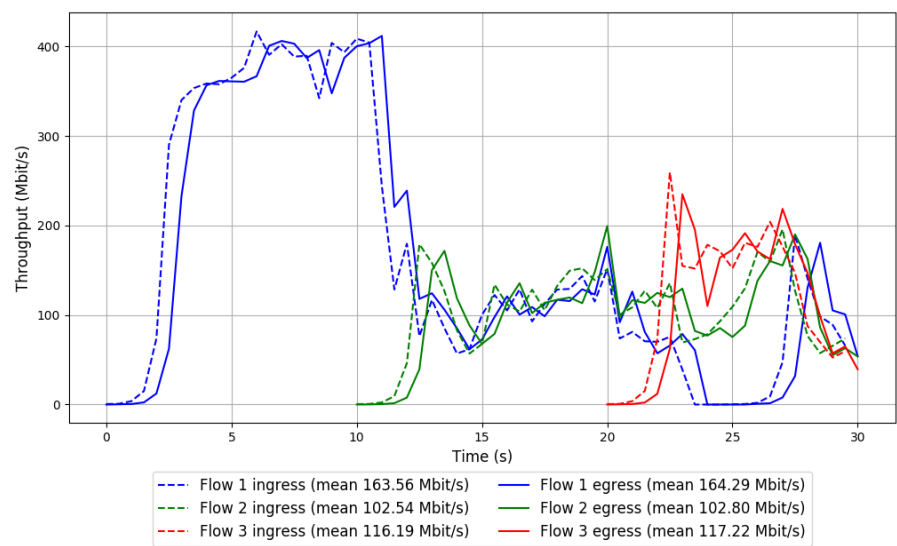
-- Flow 3:

Average throughput: 117.22 Mbit/s

95th percentile per-packet one-way delay: 133.499 ms

Loss rate: 1.35%

Run 2: Report of Copa — Data Link

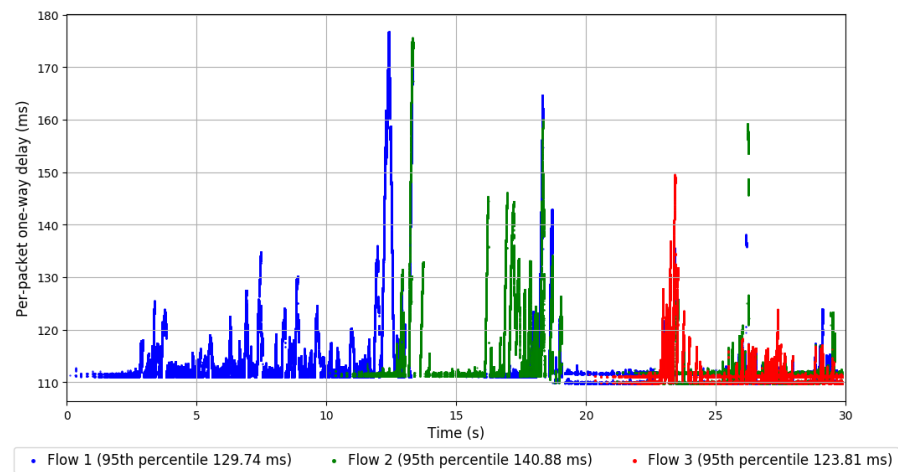
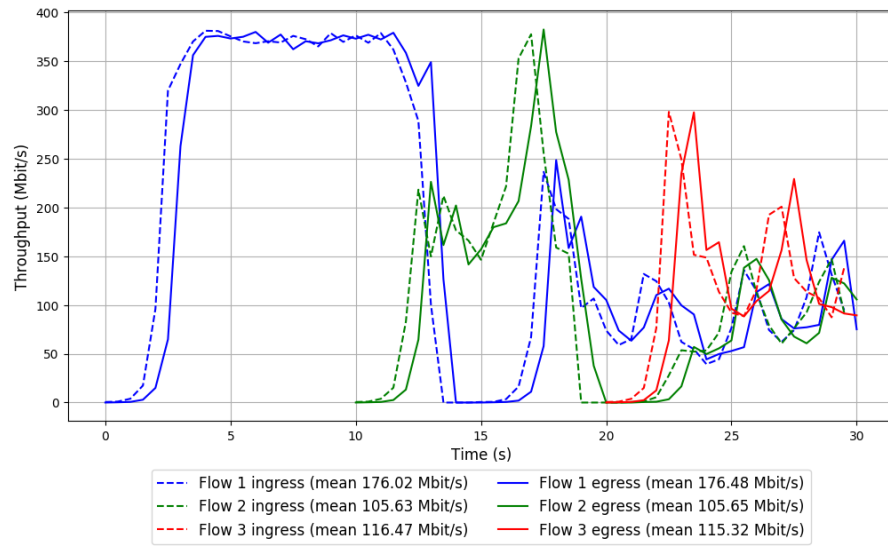


Run 3: Statistics of Copa

Start at: 2018-07-18 16:45:19
End at: 2018-07-18 16:45:49
Local clock offset: -0.147 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-07-18 20:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.36 Mbit/s
95th percentile per-packet one-way delay: 132.249 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 129.744 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 105.65 Mbit/s
95th percentile per-packet one-way delay: 140.881 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 115.32 Mbit/s
95th percentile per-packet one-way delay: 123.815 ms
Loss rate: 3.22%

Run 3: Report of Copa — Data Link

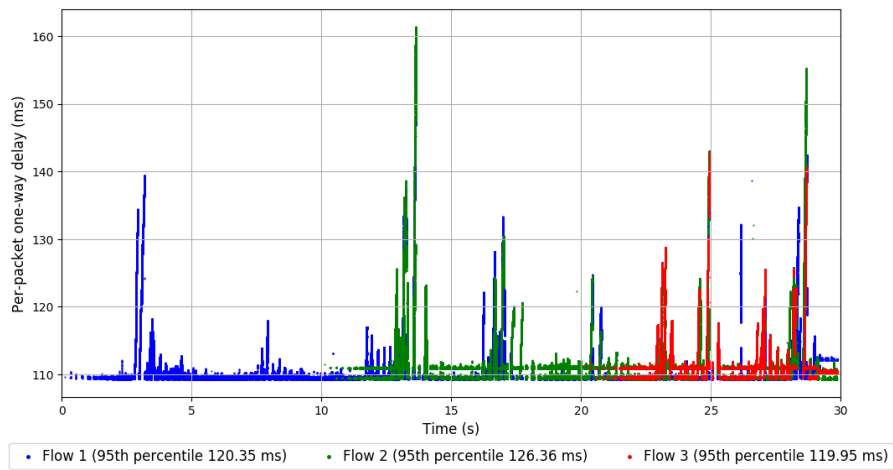
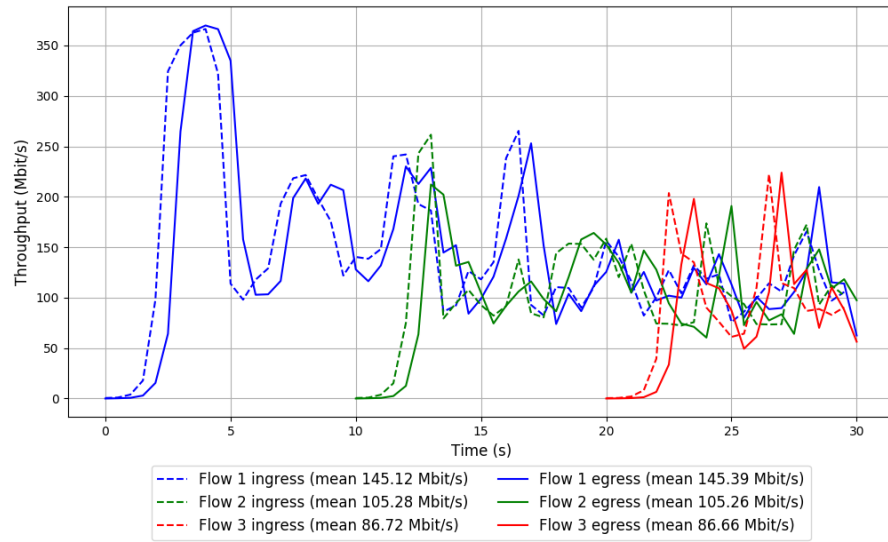


Run 4: Statistics of Copa

Start at: 2018-07-18 17:11:28
End at: 2018-07-18 17:11:58
Local clock offset: -0.187 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 20:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.62 Mbit/s
95th percentile per-packet one-way delay: 122.325 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 145.39 Mbit/s
95th percentile per-packet one-way delay: 120.354 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 105.26 Mbit/s
95th percentile per-packet one-way delay: 126.359 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 119.950 ms
Loss rate: 2.31%

Run 4: Report of Copa — Data Link

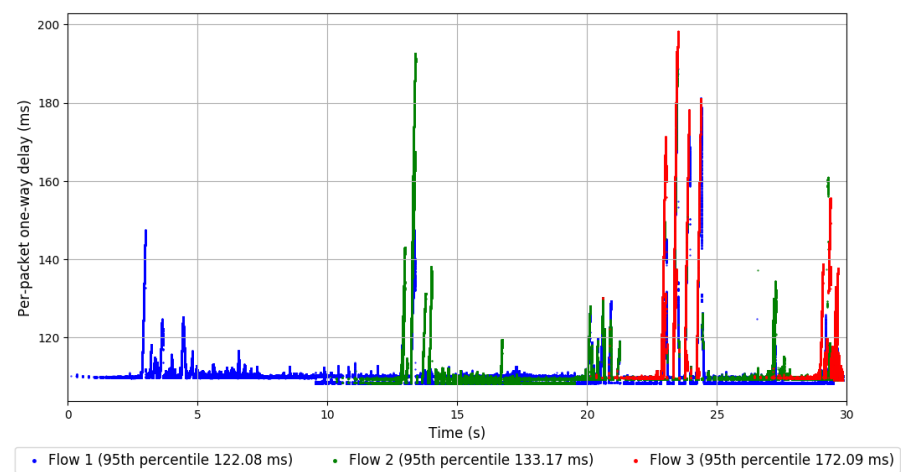
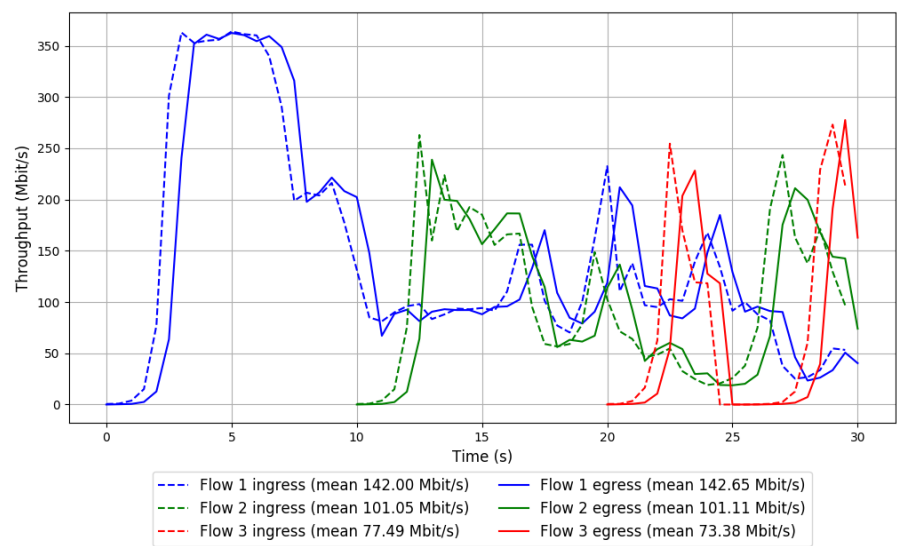


Run 5: Statistics of Copa

Start at: 2018-07-18 17:37:18
End at: 2018-07-18 17:37:48
Local clock offset: -1.254 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-18 20:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.65 Mbit/s
95th percentile per-packet one-way delay: 133.113 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 142.65 Mbit/s
95th percentile per-packet one-way delay: 122.082 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 101.11 Mbit/s
95th percentile per-packet one-way delay: 133.170 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 172.090 ms
Loss rate: 7.26%

Run 5: Report of Copa — Data Link

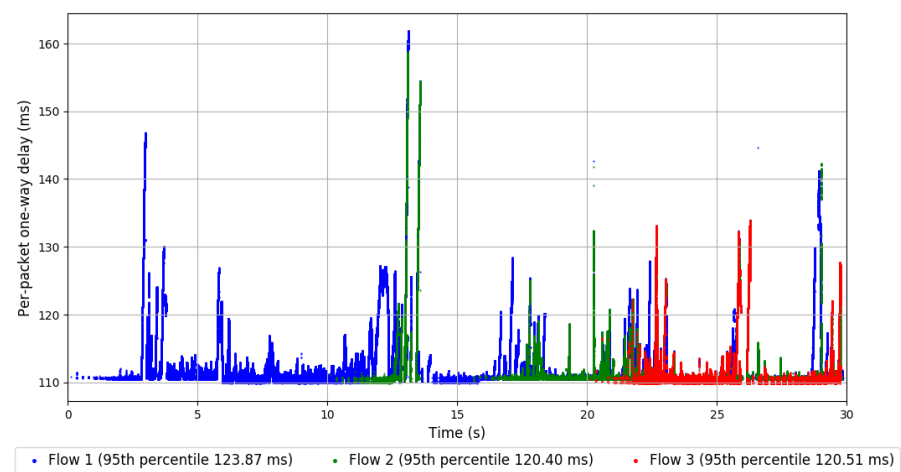
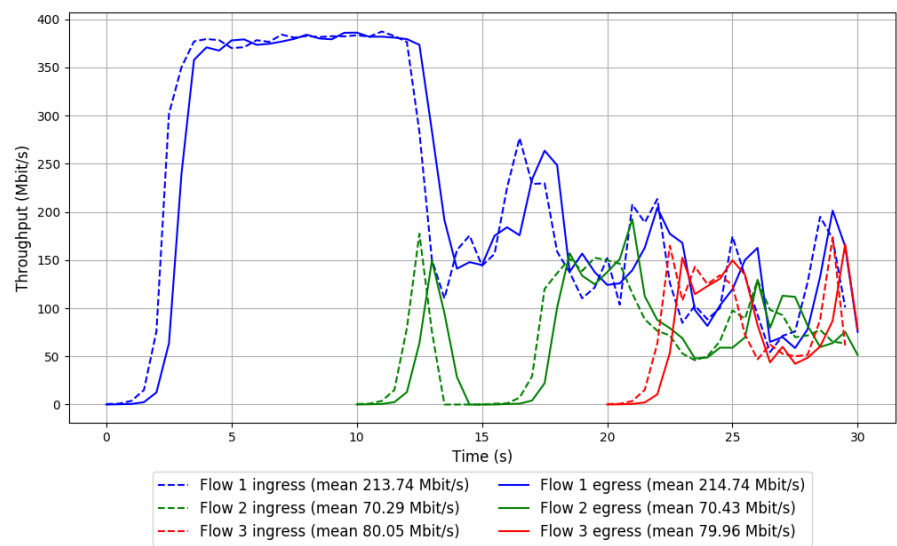


Run 6: Statistics of Copa

Start at: 2018-07-18 18:03:41
End at: 2018-07-18 18:04:11
Local clock offset: -0.123 ms
Remote clock offset: 0.249 ms

```
# Below is generated by plot.py at 2018-07-18 20:37:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.34 Mbit/s
95th percentile per-packet one-way delay: 123.240 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 214.74 Mbit/s
95th percentile per-packet one-way delay: 123.866 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 120.403 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 120.506 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

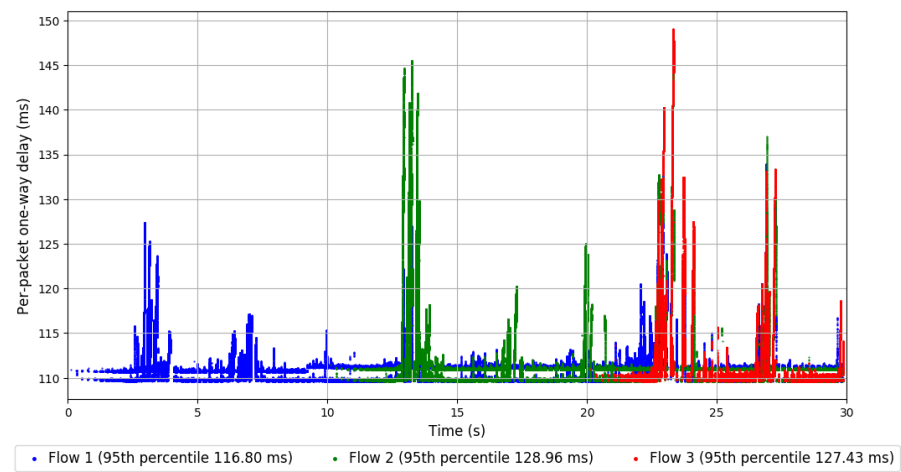
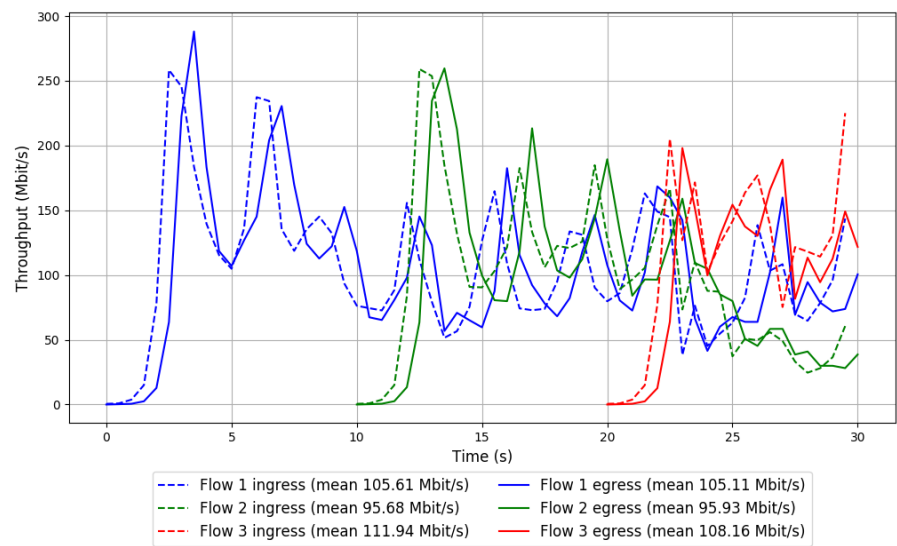


Run 7: Statistics of Copa

Start at: 2018-07-18 18:29:58
End at: 2018-07-18 18:30:28
Local clock offset: -0.026 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-18 20:38:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.23 Mbit/s
95th percentile per-packet one-way delay: 122.159 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 105.11 Mbit/s
95th percentile per-packet one-way delay: 116.803 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 128.959 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 108.16 Mbit/s
95th percentile per-packet one-way delay: 127.431 ms
Loss rate: 5.53%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-18 18:56:17

End at: 2018-07-18 18:56:47

Local clock offset: -0.194 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-07-18 20:38:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.54 Mbit/s

95th percentile per-packet one-way delay: 131.110 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 119.32 Mbit/s

95th percentile per-packet one-way delay: 129.310 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 139.499 ms

Loss rate: 1.64%

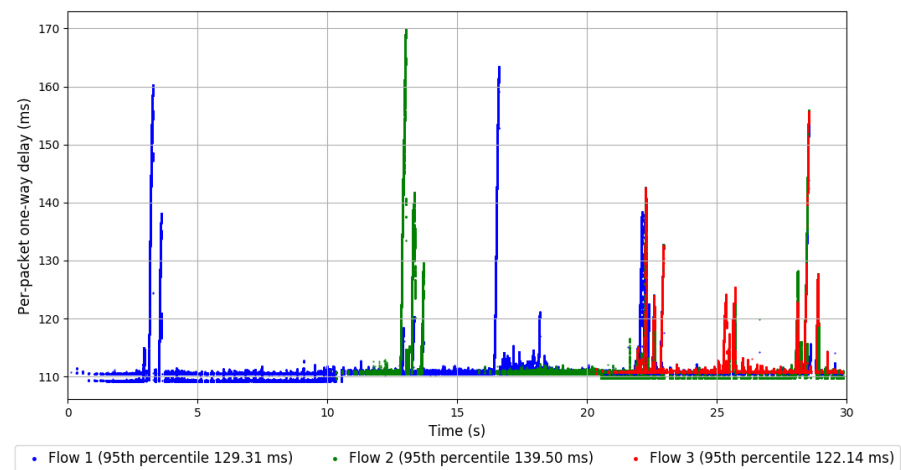
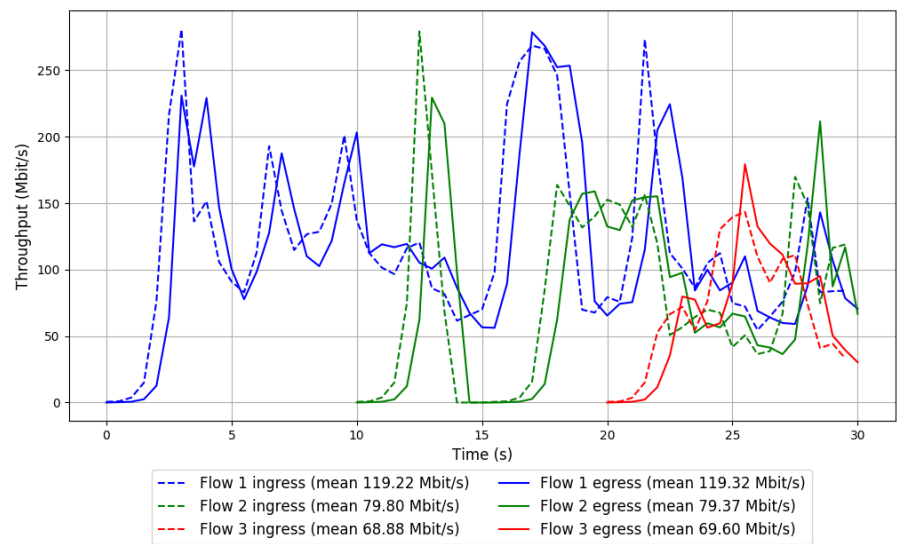
-- Flow 3:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 122.141 ms

Loss rate: 1.25%

Run 8: Report of Copa — Data Link

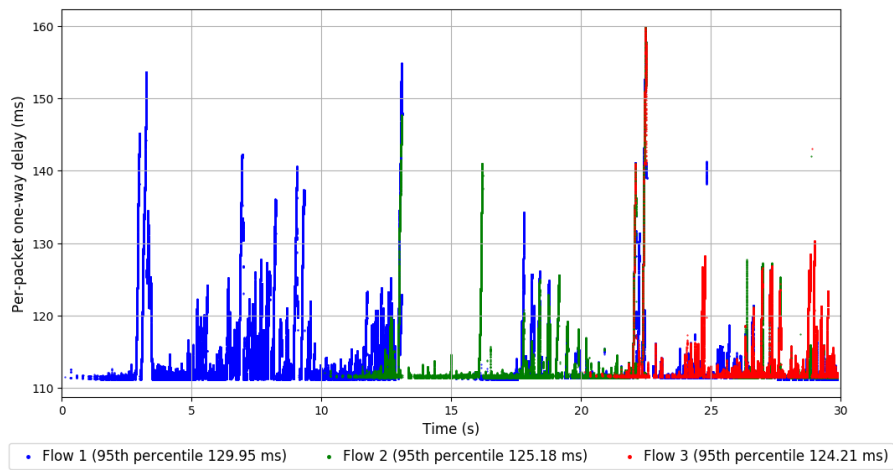
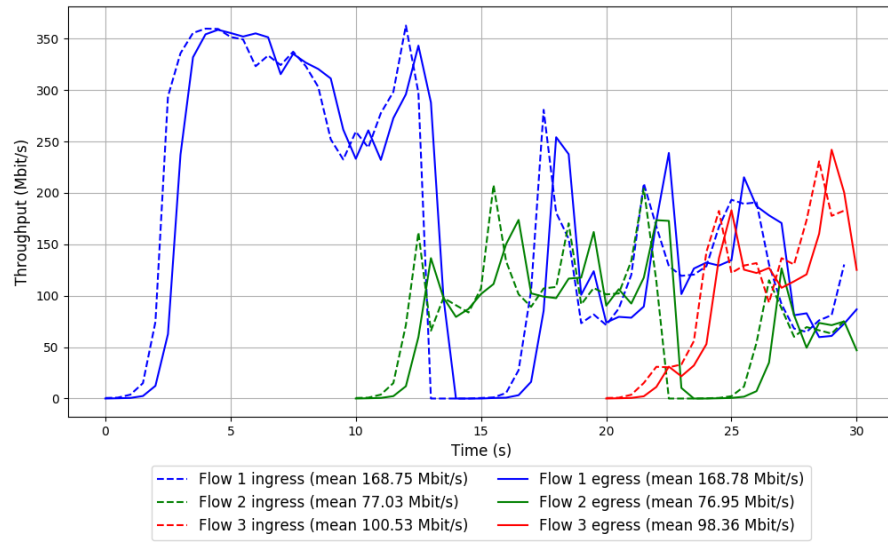


Run 9: Statistics of Copa

Start at: 2018-07-18 19:22:40
End at: 2018-07-18 19:23:10
Local clock offset: -0.041 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.98 Mbit/s
95th percentile per-packet one-way delay: 127.282 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 168.78 Mbit/s
95th percentile per-packet one-way delay: 129.951 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 125.176 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 98.36 Mbit/s
95th percentile per-packet one-way delay: 124.211 ms
Loss rate: 4.36%

Run 9: Report of Copa — Data Link

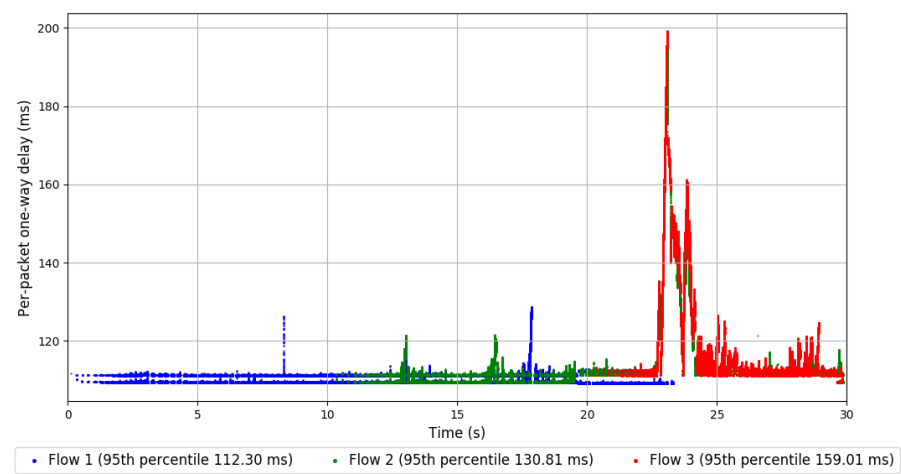
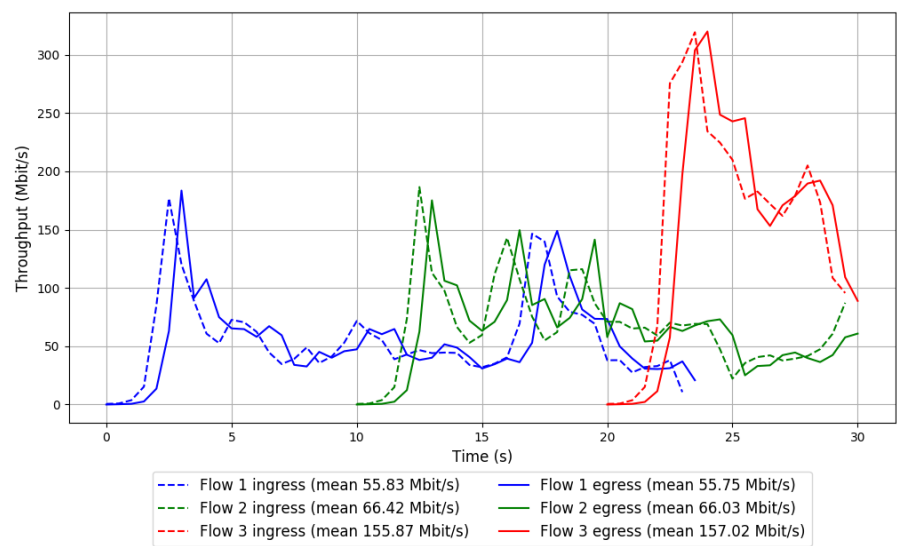


Run 10: Statistics of Copa

Start at: 2018-07-18 19:48:38
End at: 2018-07-18 19:49:08
Local clock offset: -0.199 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.66 Mbit/s
95th percentile per-packet one-way delay: 146.700 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 112.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 130.811 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 157.02 Mbit/s
95th percentile per-packet one-way delay: 159.006 ms
Loss rate: 1.55%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 15:59:57

End at: 2018-07-18 16:00:27

Local clock offset: -0.107 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-18 20:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.22 Mbit/s

95th percentile per-packet one-way delay: 119.220 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 103.88 Mbit/s

95th percentile per-packet one-way delay: 118.824 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 21.40 Mbit/s

95th percentile per-packet one-way delay: 120.286 ms

Loss rate: 5.11%

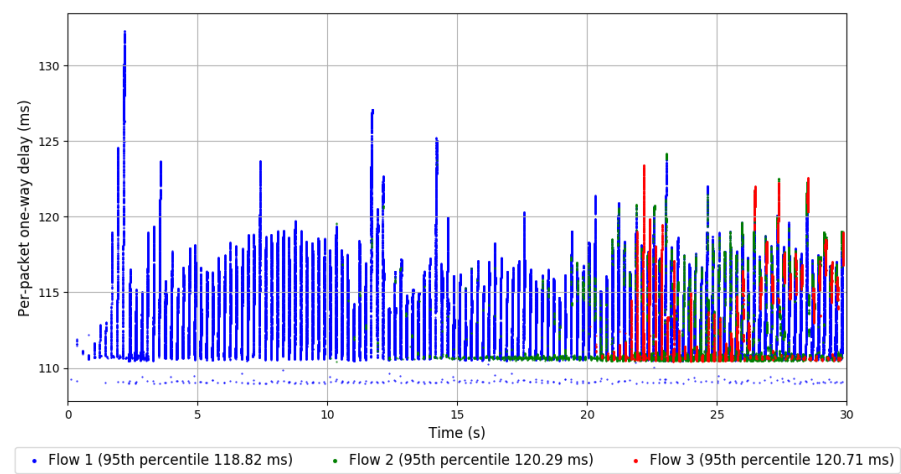
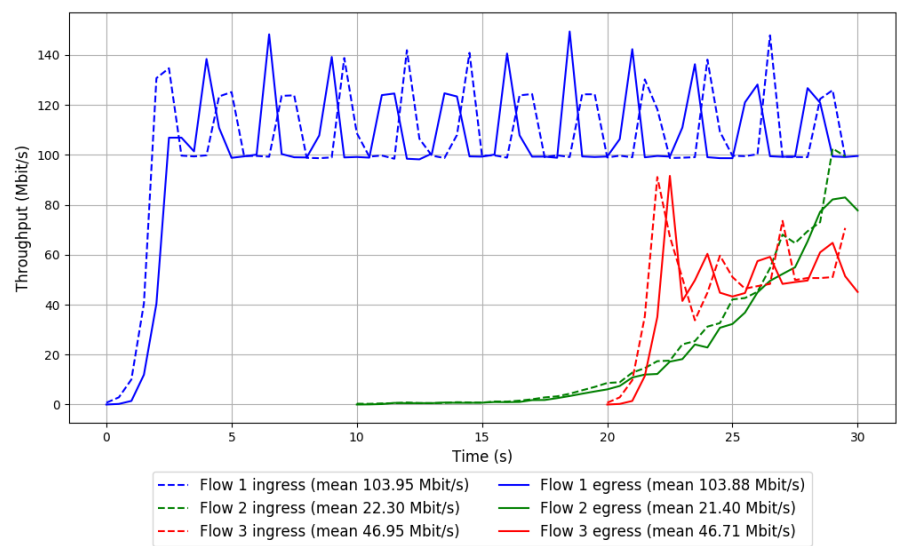
-- Flow 3:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 120.709 ms

Loss rate: 2.74%

Run 1: Report of TCP Cubic — Data Link

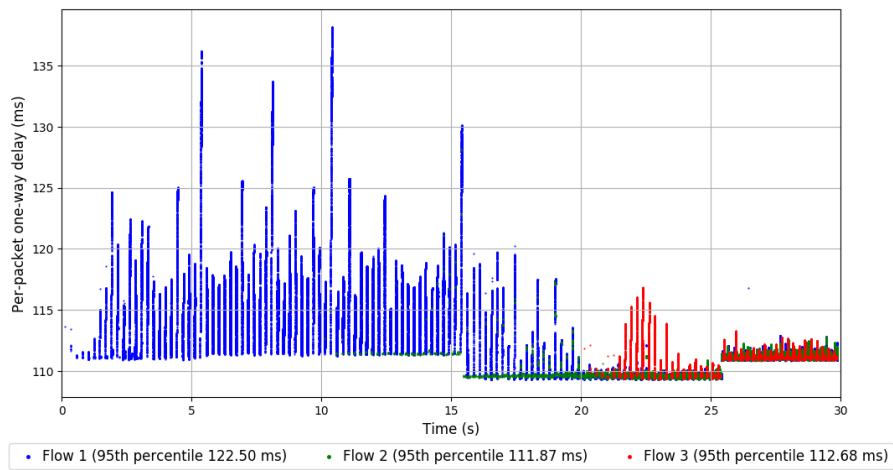
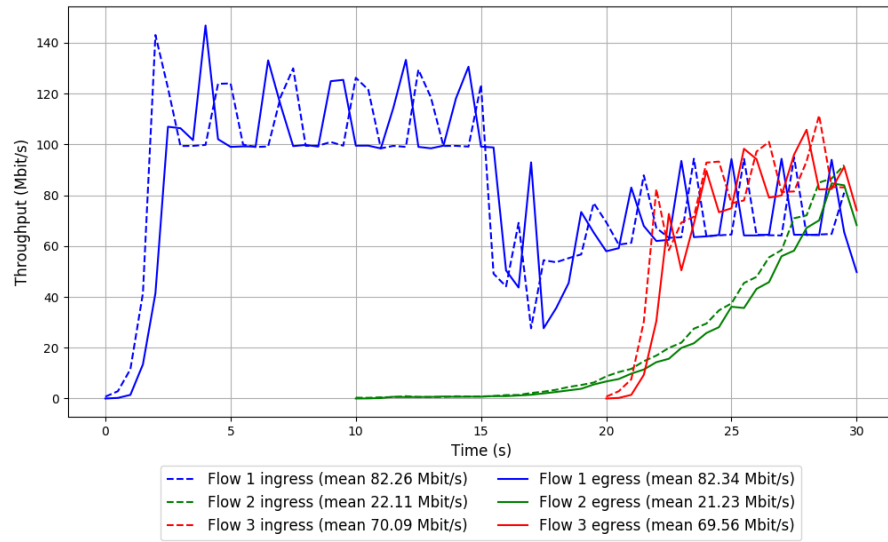


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 16:26:22
End at: 2018-07-18 16:26:52
Local clock offset: -0.004 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.17 Mbit/s
95th percentile per-packet one-way delay: 120.356 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 122.500 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 111.873 ms
Loss rate: 5.10%
-- Flow 3:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 112.681 ms
Loss rate: 2.98%

Run 2: Report of TCP Cubic — Data Link

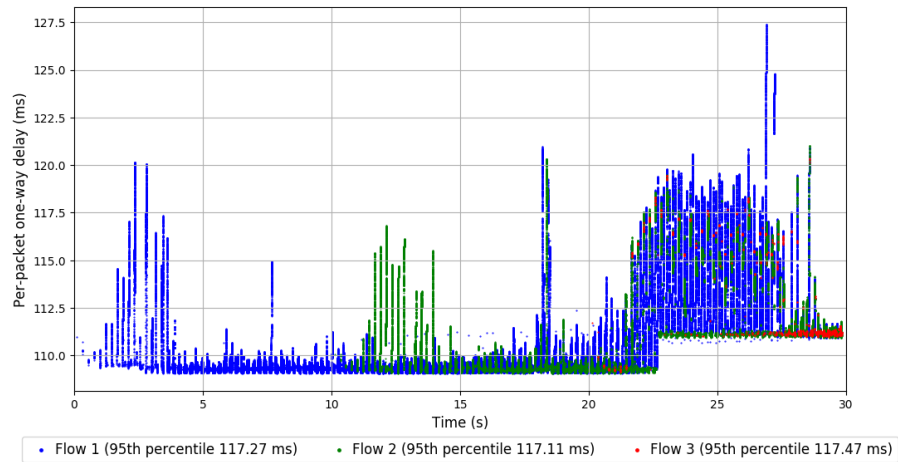
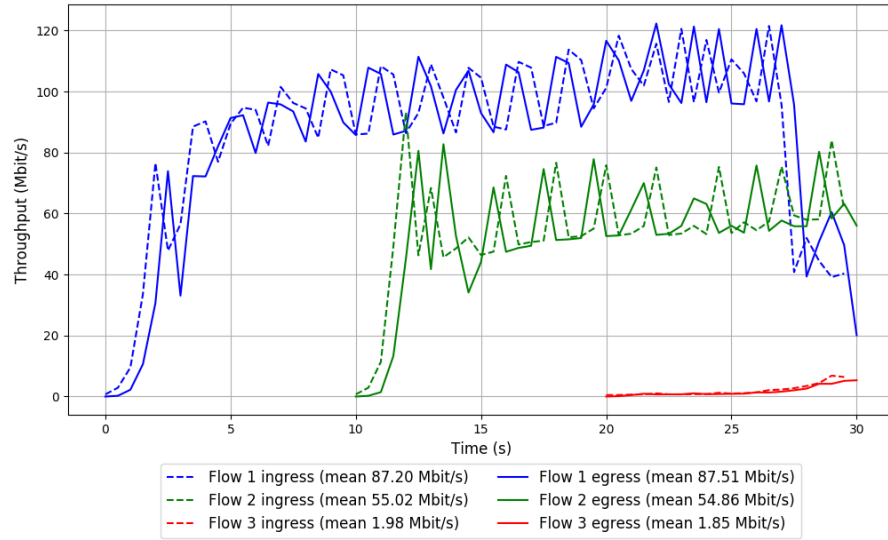


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 16:52:35
End at: 2018-07-18 16:53:05
Local clock offset: -0.42 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 117.198 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 117.267 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 117.113 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 117.471 ms
Loss rate: 8.84%

Run 3: Report of TCP Cubic — Data Link

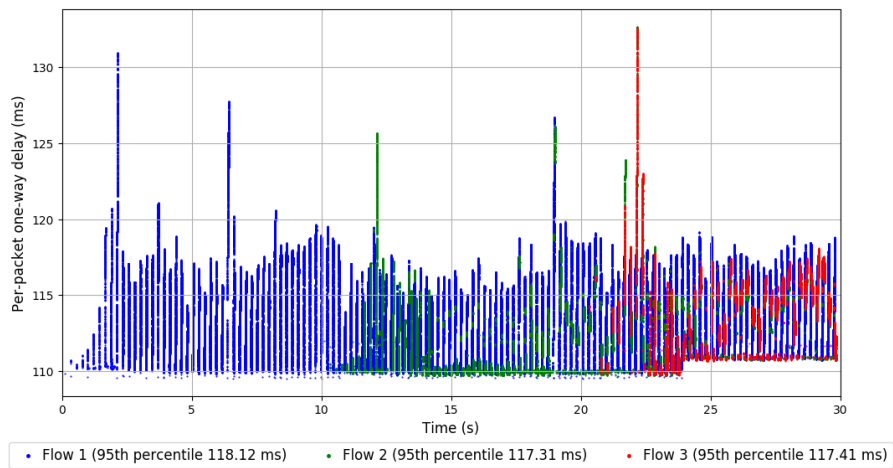
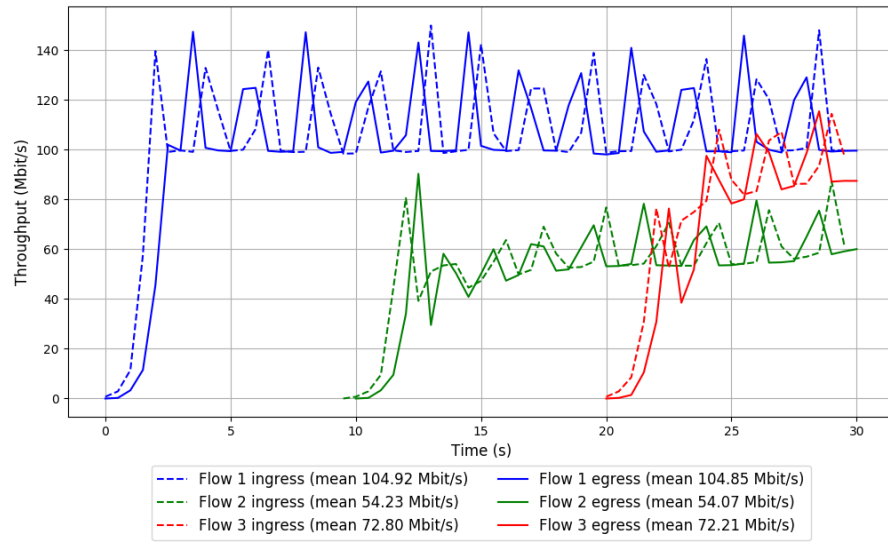


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 17:18:43
End at: 2018-07-18 17:19:13
Local clock offset: 0.298 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.10 Mbit/s
95th percentile per-packet one-way delay: 117.994 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 104.85 Mbit/s
95th percentile per-packet one-way delay: 118.123 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 117.306 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 72.21 Mbit/s
95th percentile per-packet one-way delay: 117.412 ms
Loss rate: 3.03%

Run 4: Report of TCP Cubic — Data Link

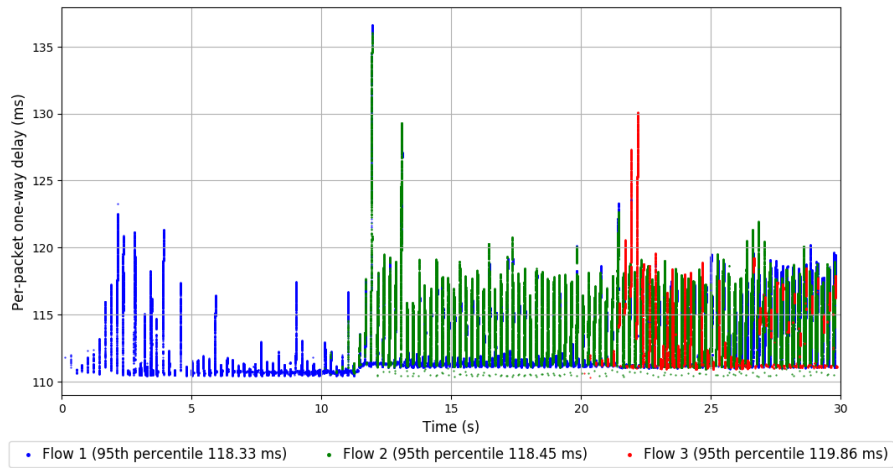
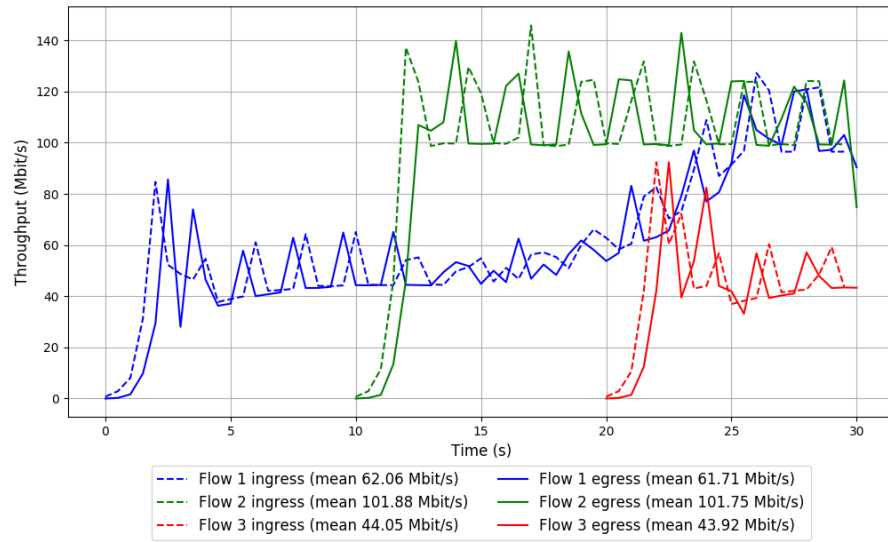


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 17:44:36
End at: 2018-07-18 17:45:06
Local clock offset: -0.245 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.07 Mbit/s
95th percentile per-packet one-way delay: 118.503 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 118.329 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 101.75 Mbit/s
95th percentile per-packet one-way delay: 118.454 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 119.856 ms
Loss rate: 2.49%

Run 5: Report of TCP Cubic — Data Link

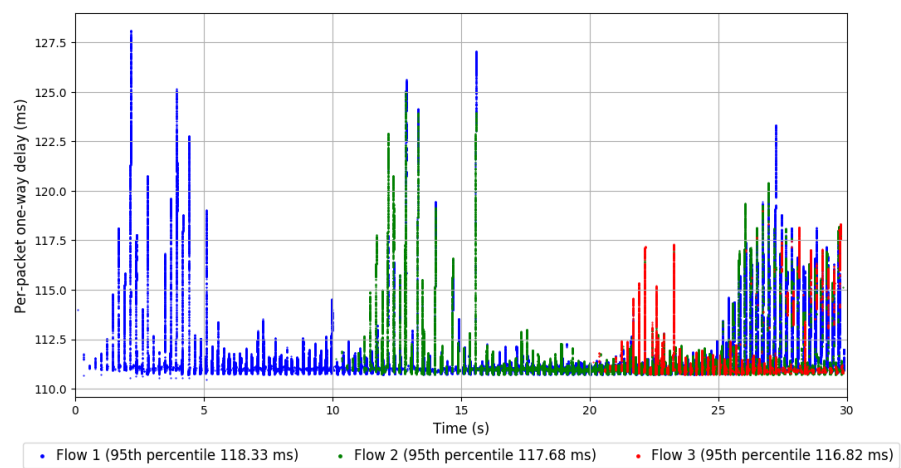
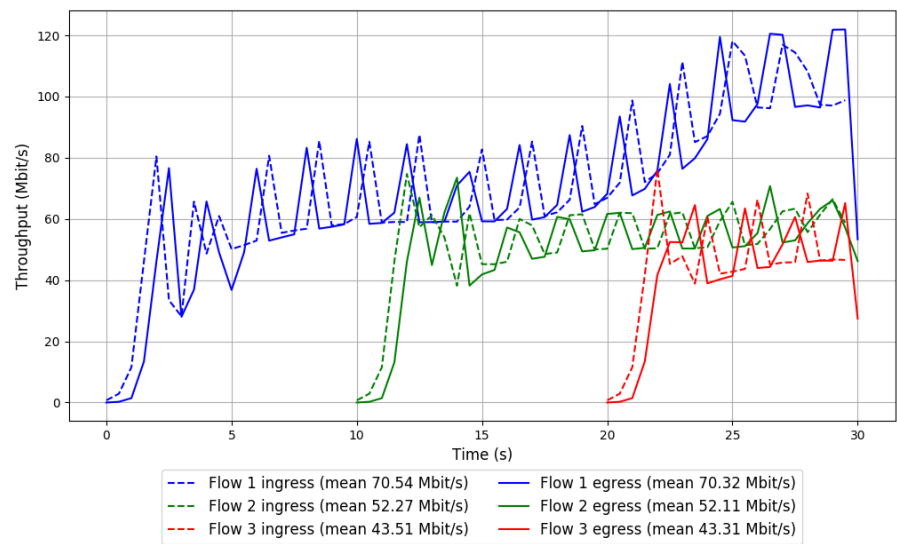


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 18:11:00
End at: 2018-07-18 18:11:30
Local clock offset: -0.239 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.01 Mbit/s
95th percentile per-packet one-way delay: 117.707 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 118.330 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 117.681 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 116.820 ms
Loss rate: 2.69%

Run 6: Report of TCP Cubic — Data Link

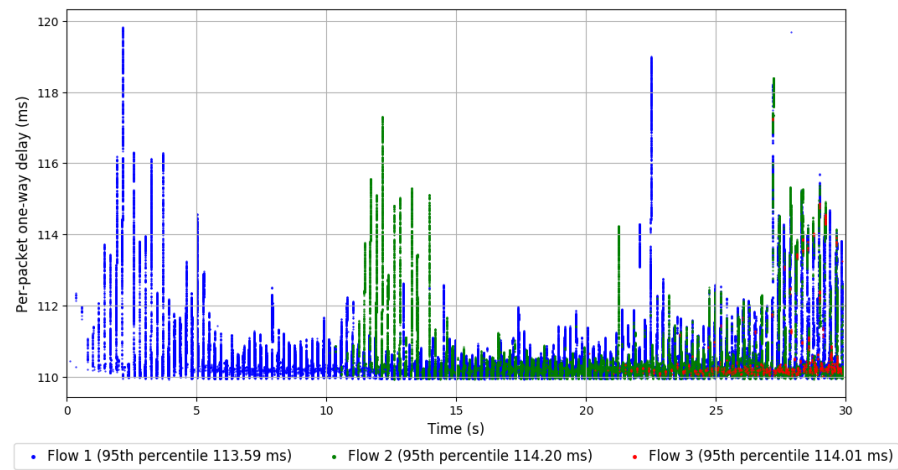
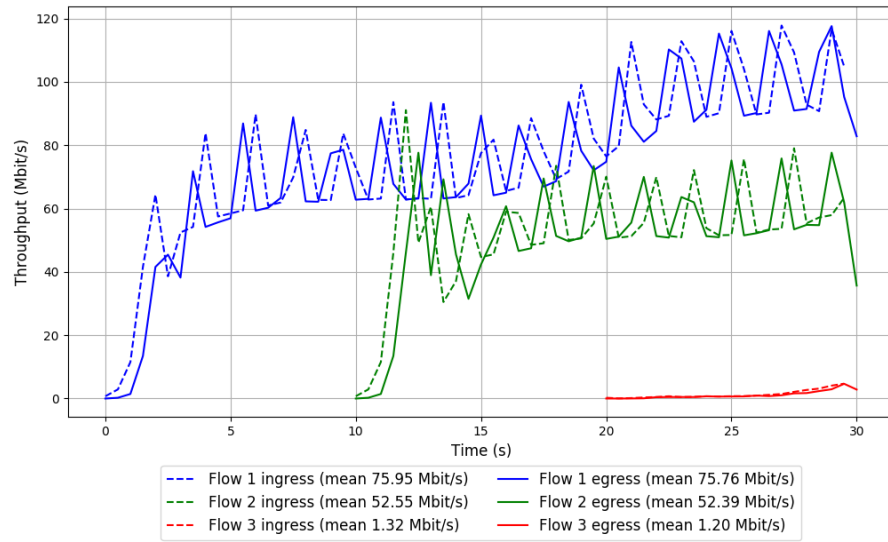


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 18:37:07
End at: 2018-07-18 18:37:37
Local clock offset: 0.027 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.92 Mbit/s
95th percentile per-packet one-way delay: 113.843 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 75.76 Mbit/s
95th percentile per-packet one-way delay: 113.594 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 114.202 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 114.014 ms
Loss rate: 10.27%

Run 7: Report of TCP Cubic — Data Link

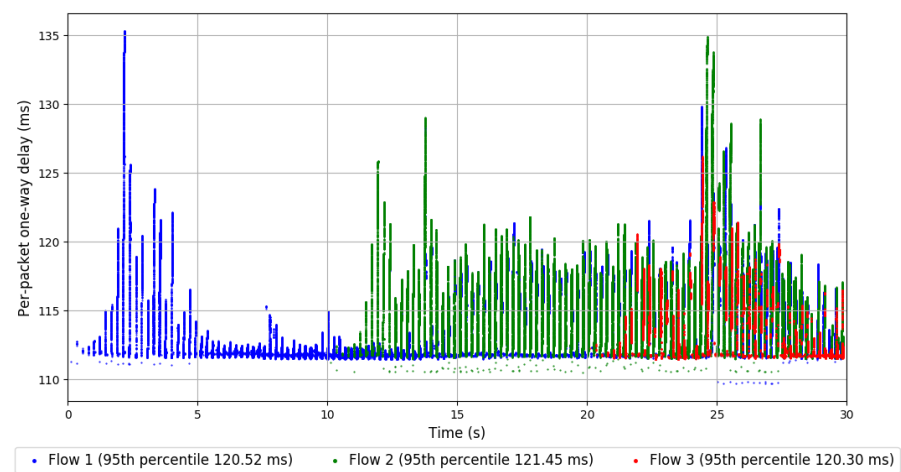
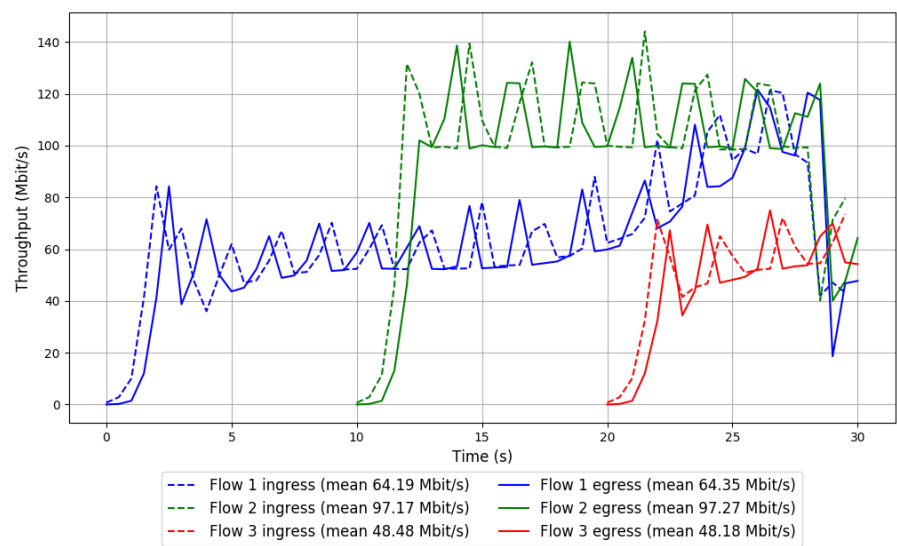


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 19:03:30
End at: 2018-07-18 19:04:00
Local clock offset: -0.041 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-07-18 20:43:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.52 Mbit/s
95th percentile per-packet one-way delay: 120.876 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 120.522 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 121.454 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 120.303 ms
Loss rate: 2.84%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 19:29:32

End at: 2018-07-18 19:30:02

Local clock offset: 0.016 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-18 20:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.77 Mbit/s

95th percentile per-packet one-way delay: 116.011 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 116.295 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 48.74 Mbit/s

95th percentile per-packet one-way delay: 115.549 ms

Loss rate: 1.50%

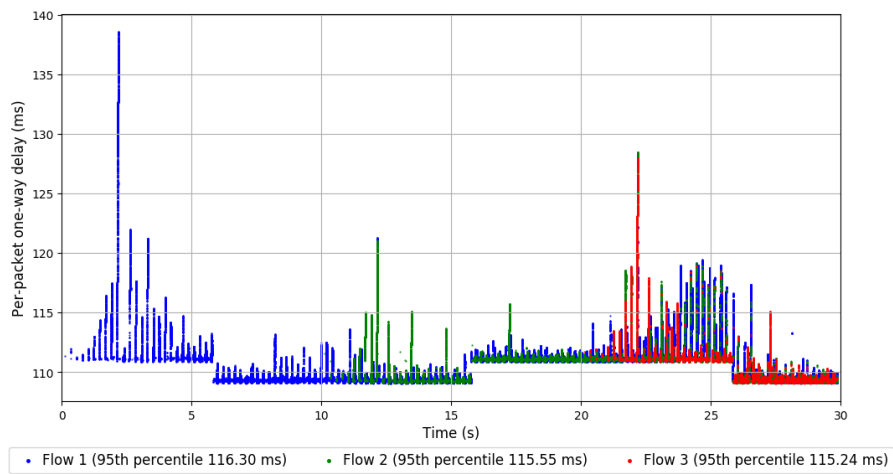
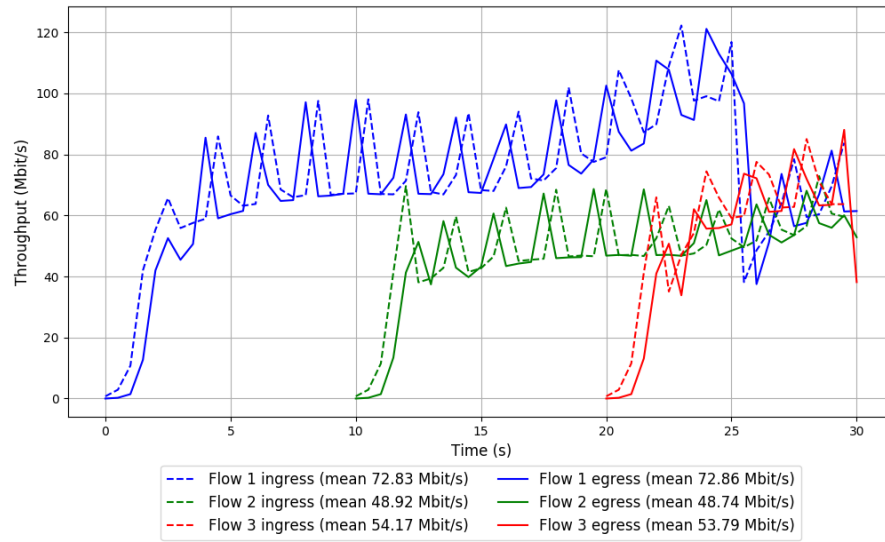
-- Flow 3:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 115.238 ms

Loss rate: 2.94%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 19:55:38

End at: 2018-07-18 19:56:08

Local clock offset: -0.06 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-18 20:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.70 Mbit/s

95th percentile per-packet one-way delay: 117.429 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 70.33 Mbit/s

95th percentile per-packet one-way delay: 118.278 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 21.16 Mbit/s

95th percentile per-packet one-way delay: 116.589 ms

Loss rate: 5.06%

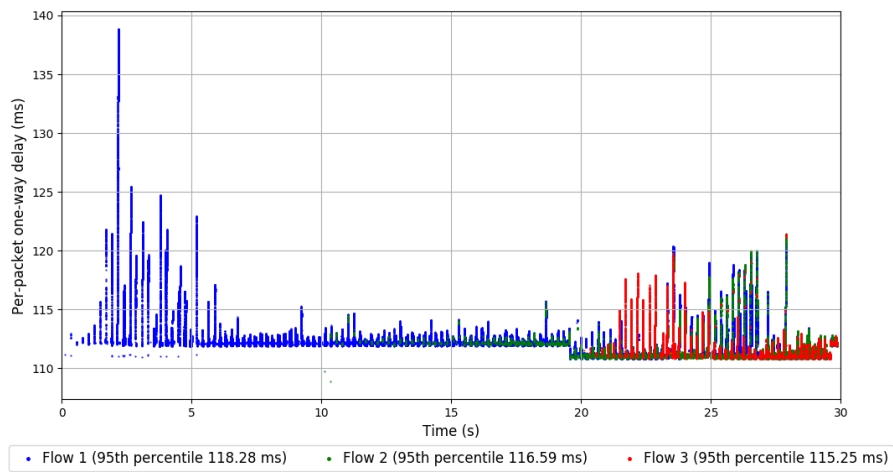
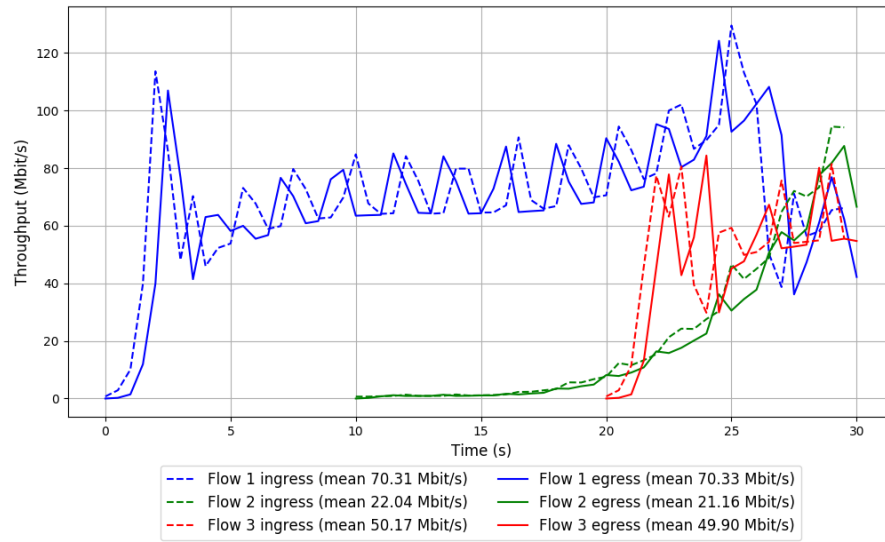
-- Flow 3:

Average throughput: 49.90 Mbit/s

95th percentile per-packet one-way delay: 115.250 ms

Loss rate: 2.77%

Run 10: Report of TCP Cubic — Data Link

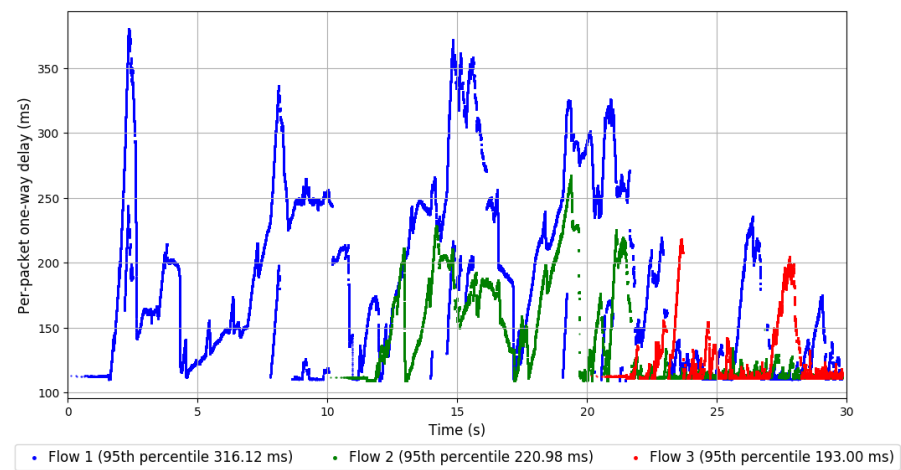
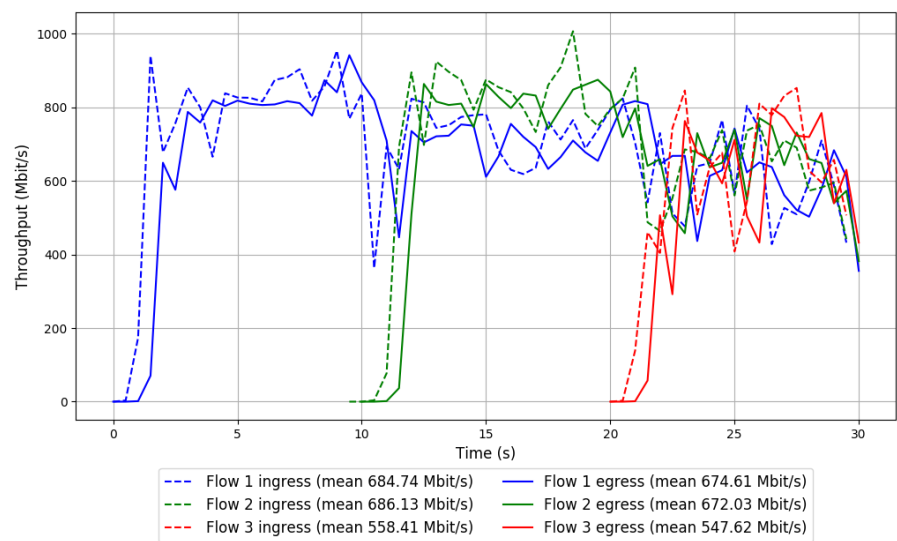


Run 1: Statistics of FillP

Start at: 2018-07-18 15:54:16
End at: 2018-07-18 15:54:46
Local clock offset: -0.148 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-07-18 21:06:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1298.47 Mbit/s
95th percentile per-packet one-way delay: 291.082 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 674.61 Mbit/s
95th percentile per-packet one-way delay: 316.116 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 672.03 Mbit/s
95th percentile per-packet one-way delay: 220.981 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 192.995 ms
Loss rate: 3.96%

Run 1: Report of FillP — Data Link

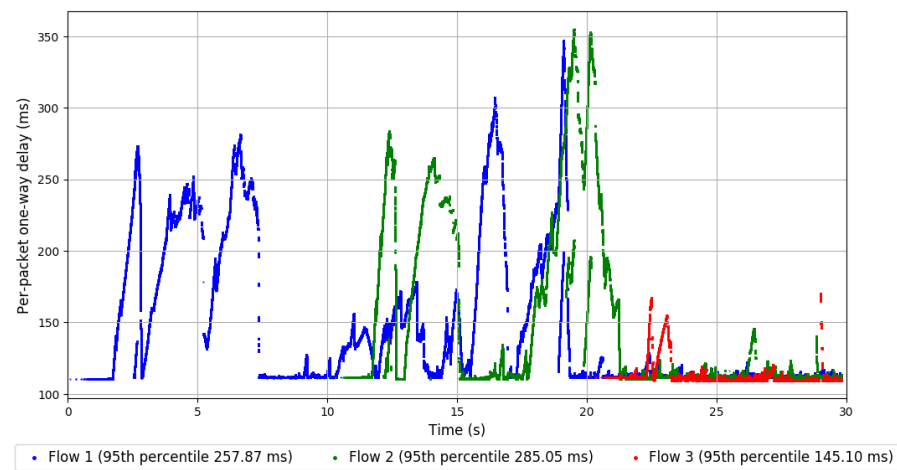
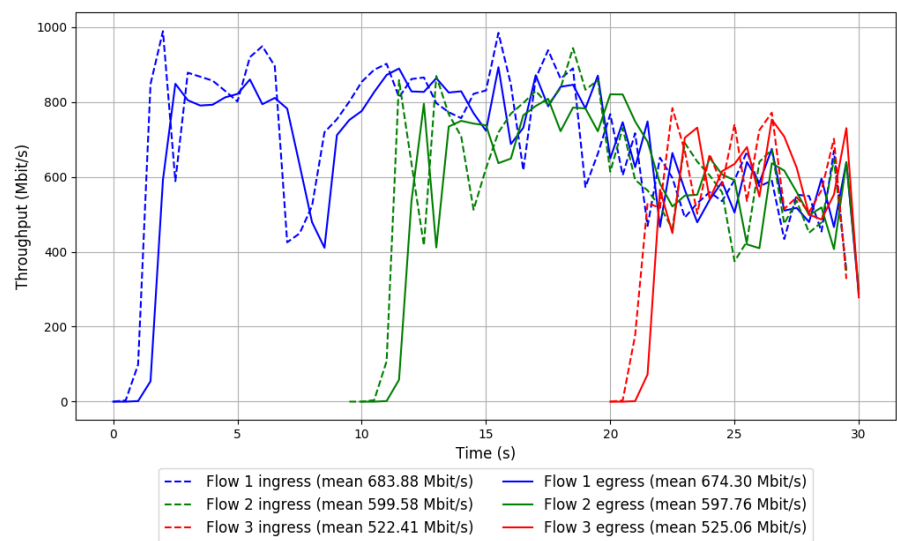


Run 2: Statistics of FillP

Start at: 2018-07-18 16:20:45
End at: 2018-07-18 16:21:15
Local clock offset: 0.025 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-18 21:06:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.89 Mbit/s
95th percentile per-packet one-way delay: 265.943 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 674.30 Mbit/s
95th percentile per-packet one-way delay: 257.872 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 597.76 Mbit/s
95th percentile per-packet one-way delay: 285.047 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 525.06 Mbit/s
95th percentile per-packet one-way delay: 145.097 ms
Loss rate: 1.70%

Run 2: Report of FillP — Data Link

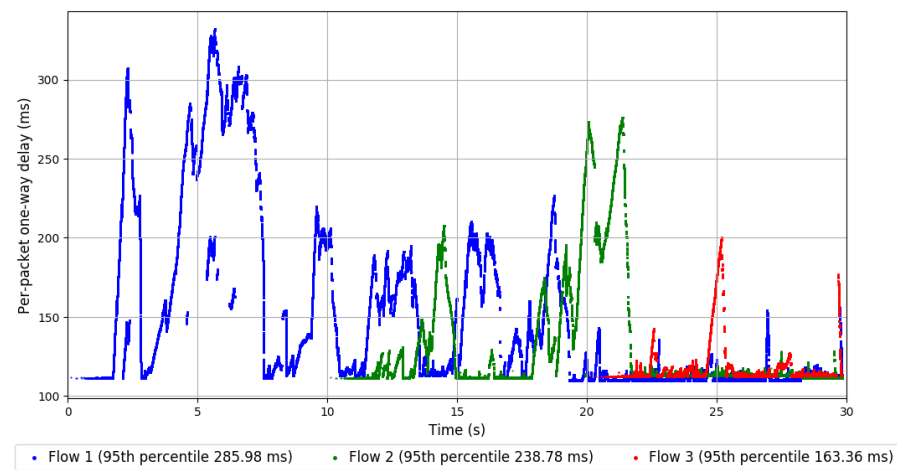
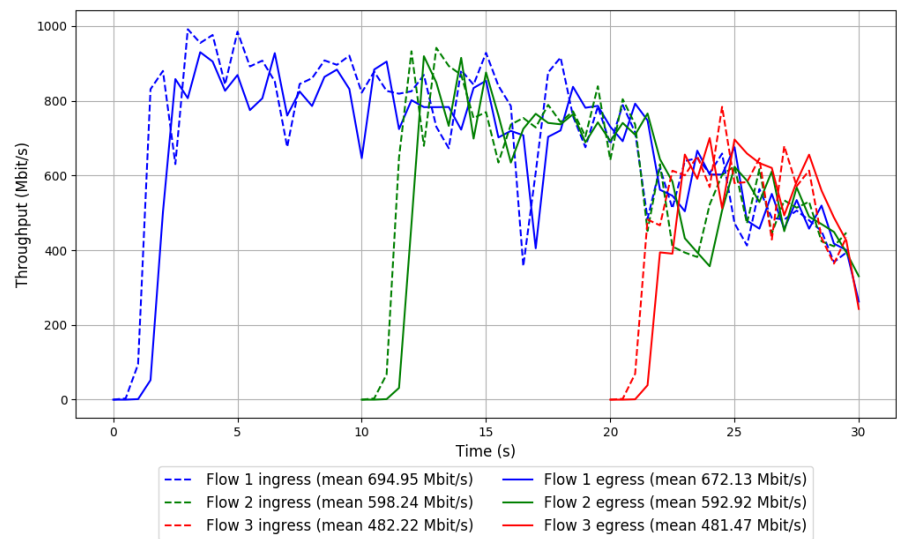


Run 3: Statistics of FillP

Start at: 2018-07-18 16:46:59
End at: 2018-07-18 16:47:29
Local clock offset: -0.076 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-18 21:06:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1222.41 Mbit/s
95th percentile per-packet one-way delay: 270.105 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 672.13 Mbit/s
95th percentile per-packet one-way delay: 285.982 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 592.92 Mbit/s
95th percentile per-packet one-way delay: 238.781 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 481.47 Mbit/s
95th percentile per-packet one-way delay: 163.360 ms
Loss rate: 2.37%

Run 3: Report of FillP — Data Link

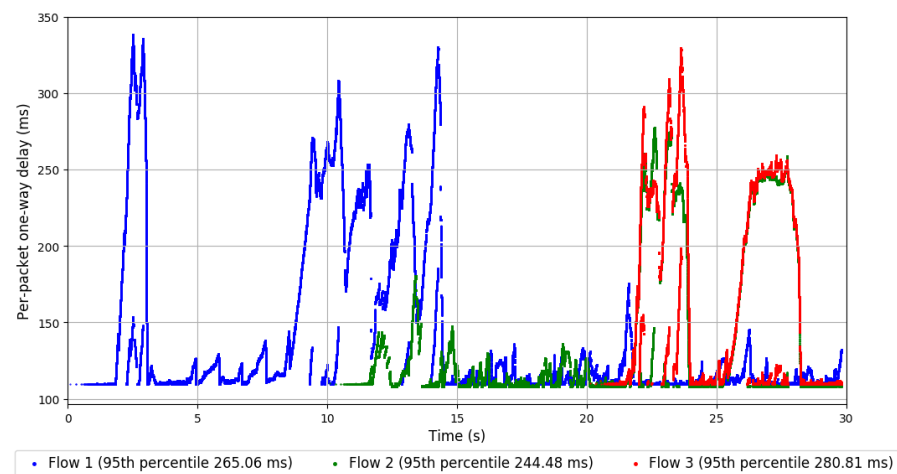
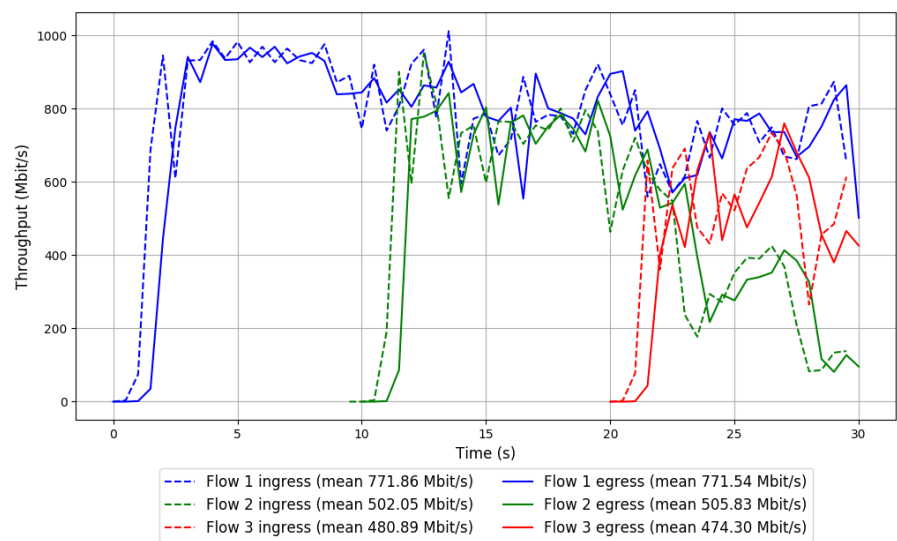


Run 4: Statistics of FillP

Start at: 2018-07-18 17:13:05
End at: 2018-07-18 17:13:35
Local clock offset: -1.574 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-18 21:06:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1261.99 Mbit/s
95th percentile per-packet one-way delay: 258.942 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 771.54 Mbit/s
95th percentile per-packet one-way delay: 265.061 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 505.83 Mbit/s
95th percentile per-packet one-way delay: 244.482 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 474.30 Mbit/s
95th percentile per-packet one-way delay: 280.805 ms
Loss rate: 3.60%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-18 17:38:55

End at: 2018-07-18 17:39:25

Local clock offset: -0.097 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-18 21:07:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 1307.99 Mbit/s

95th percentile per-packet one-way delay: 269.344 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 774.93 Mbit/s

95th percentile per-packet one-way delay: 279.309 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 549.78 Mbit/s

95th percentile per-packet one-way delay: 254.416 ms

Loss rate: 1.07%

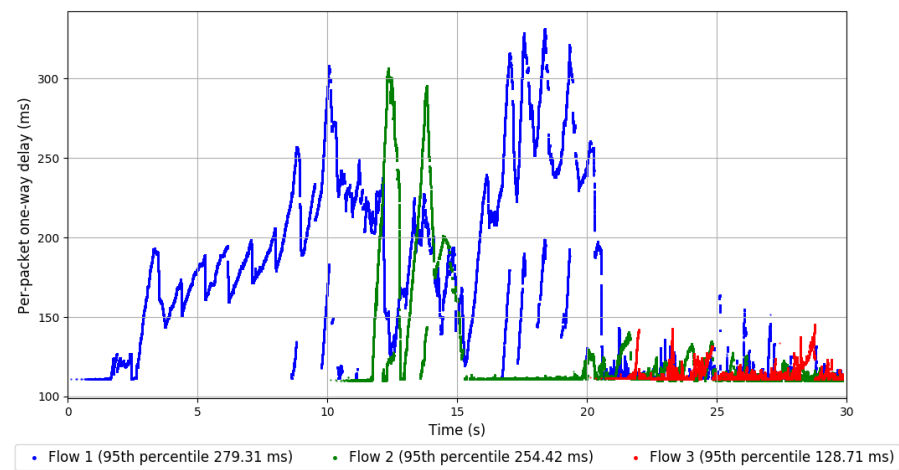
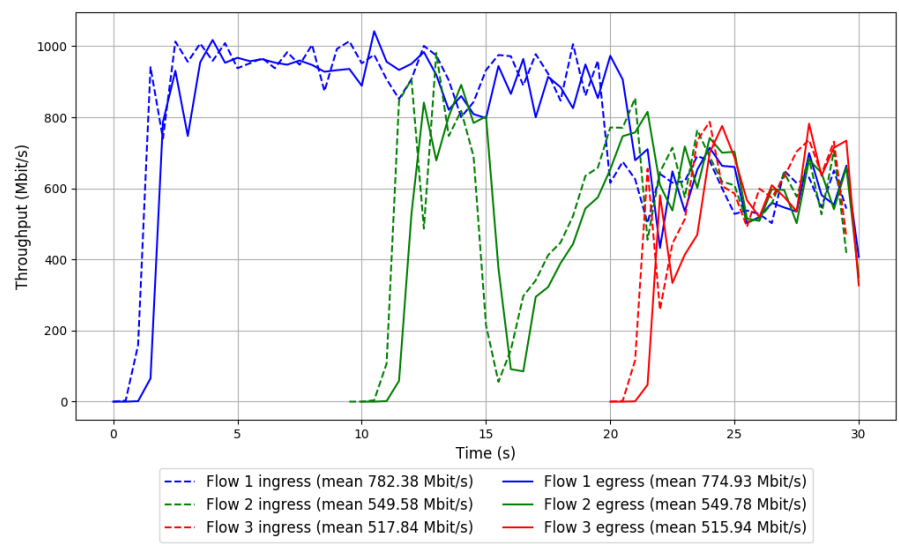
-- Flow 3:

Average throughput: 515.94 Mbit/s

95th percentile per-packet one-way delay: 128.711 ms

Loss rate: 2.61%

Run 5: Report of FillP — Data Link

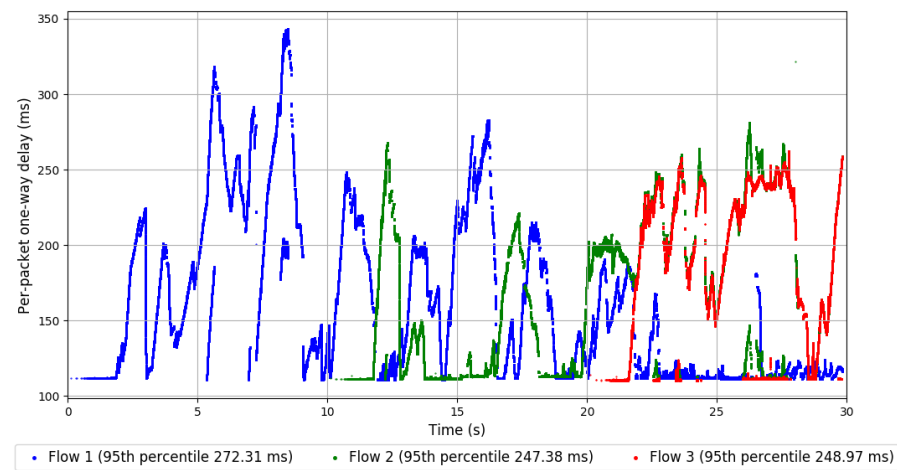
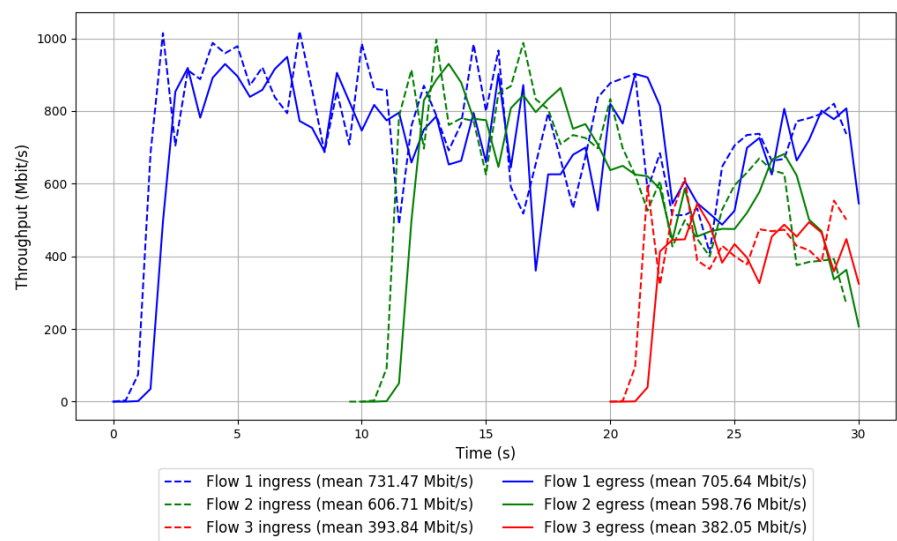


Run 6: Statistics of FillP

Start at: 2018-07-18 18:05:22
End at: 2018-07-18 18:05:52
Local clock offset: -0.104 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-18 21:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1227.48 Mbit/s
95th percentile per-packet one-way delay: 257.906 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 705.64 Mbit/s
95th percentile per-packet one-way delay: 272.315 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 598.76 Mbit/s
95th percentile per-packet one-way delay: 247.383 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 382.05 Mbit/s
95th percentile per-packet one-way delay: 248.968 ms
Loss rate: 5.23%

Run 6: Report of FillP — Data Link

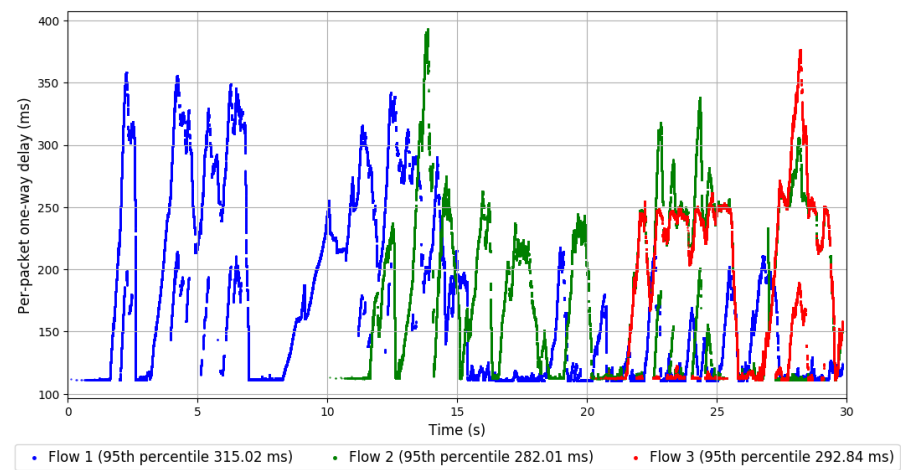
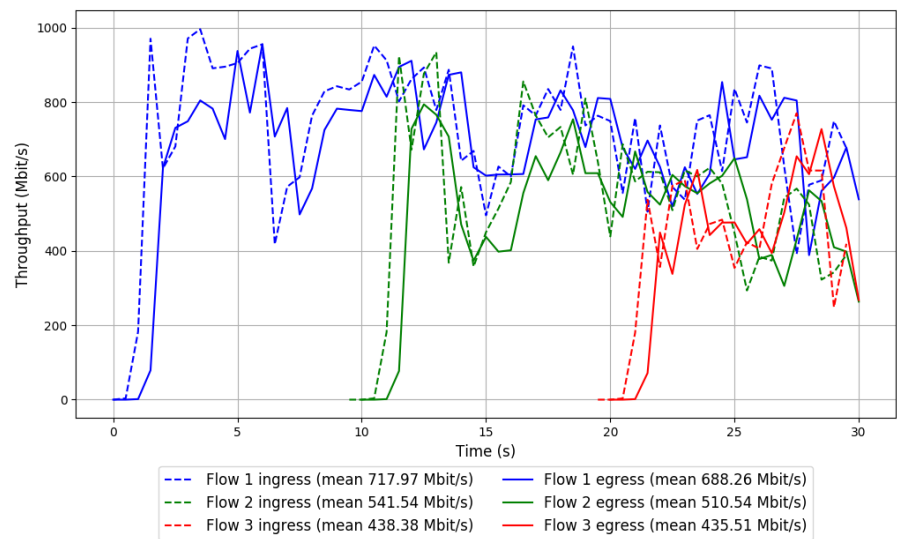


Run 7: Statistics of FillP

Start at: 2018-07-18 18:31:31
End at: 2018-07-18 18:32:01
Local clock offset: 0.974 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-07-18 21:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1169.49 Mbit/s
95th percentile per-packet one-way delay: 309.980 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 688.26 Mbit/s
95th percentile per-packet one-way delay: 315.022 ms
Loss rate: 4.85%
-- Flow 2:
Average throughput: 510.54 Mbit/s
95th percentile per-packet one-way delay: 282.013 ms
Loss rate: 6.78%
-- Flow 3:
Average throughput: 435.51 Mbit/s
95th percentile per-packet one-way delay: 292.840 ms
Loss rate: 2.89%

Run 7: Report of FillP — Data Link

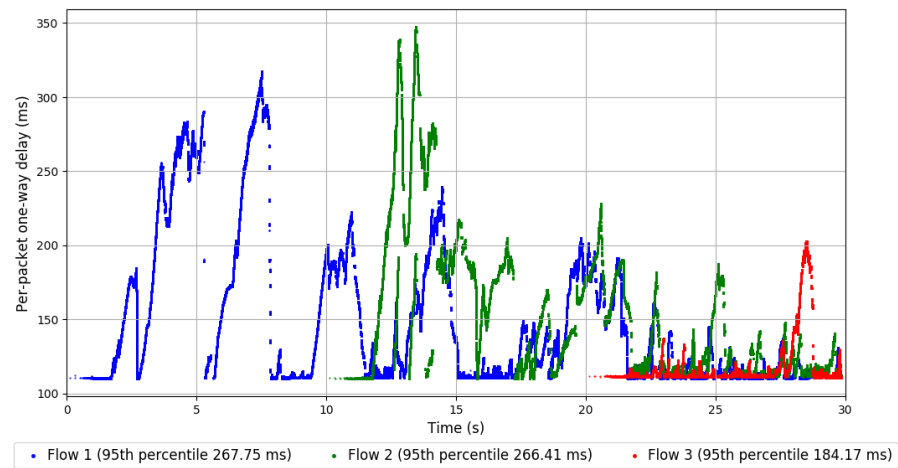
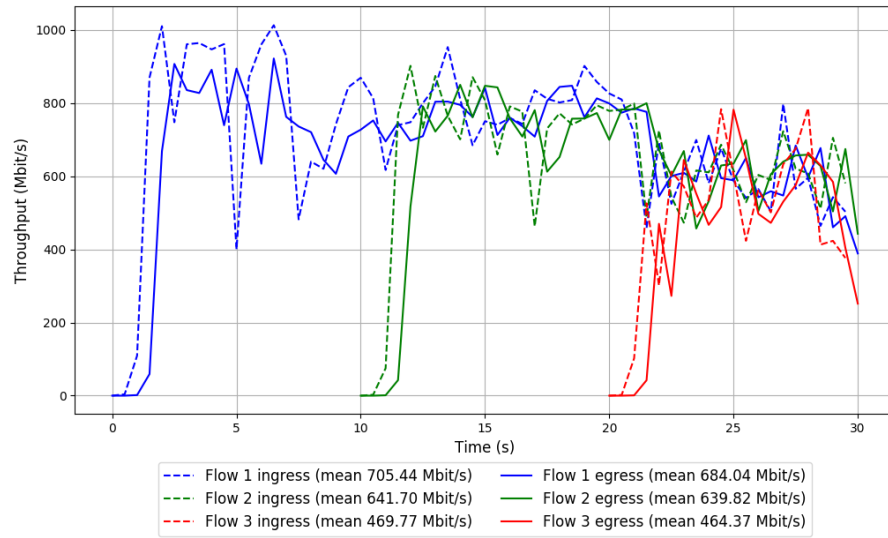


Run 8: Statistics of FillP

Start at: 2018-07-18 18:57:49
End at: 2018-07-18 18:58:19
Local clock offset: -0.011 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-18 21:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1259.93 Mbit/s
95th percentile per-packet one-way delay: 263.397 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 684.04 Mbit/s
95th percentile per-packet one-way delay: 267.752 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 639.82 Mbit/s
95th percentile per-packet one-way delay: 266.408 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 464.37 Mbit/s
95th percentile per-packet one-way delay: 184.174 ms
Loss rate: 3.38%

Run 8: Report of FillP — Data Link

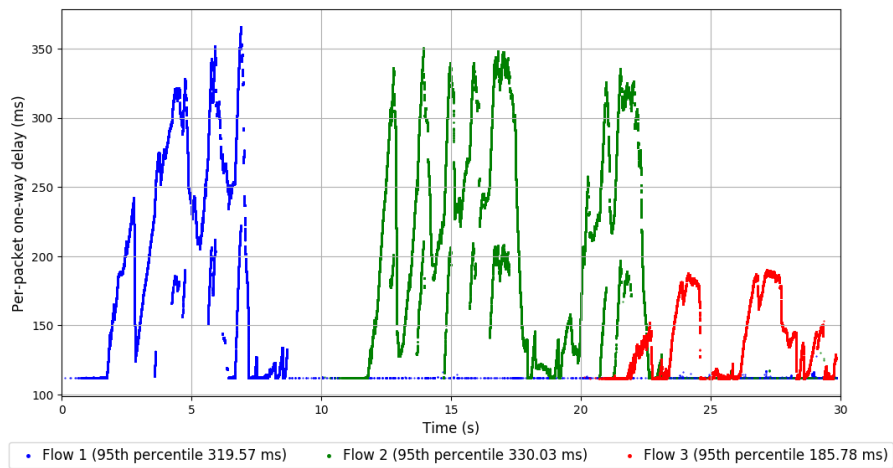
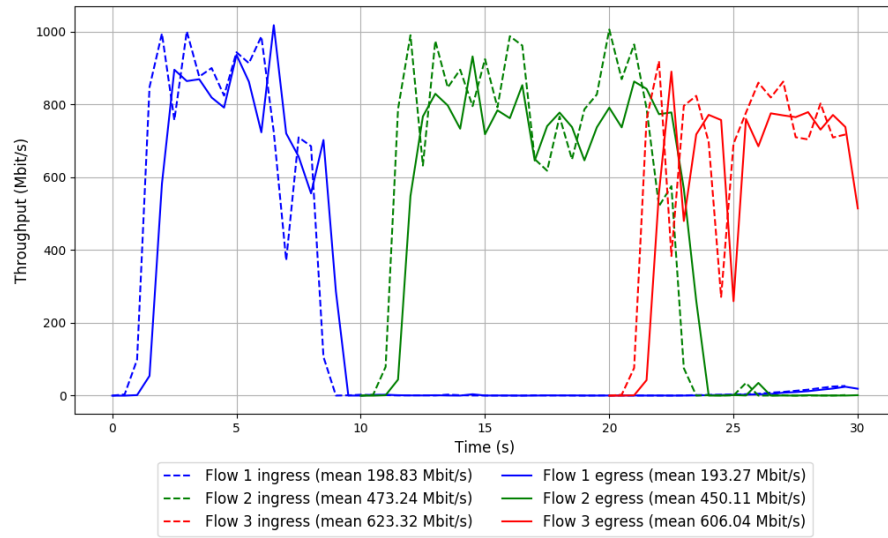


Run 9: Statistics of FillP

Start at: 2018-07-18 19:24:17
End at: 2018-07-18 19:24:47
Local clock offset: 0.166 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-07-18 21:16:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.27 Mbit/s
95th percentile per-packet one-way delay: 320.935 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 193.27 Mbit/s
95th percentile per-packet one-way delay: 319.574 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 450.11 Mbit/s
95th percentile per-packet one-way delay: 330.032 ms
Loss rate: 5.84%
-- Flow 3:
Average throughput: 606.04 Mbit/s
95th percentile per-packet one-way delay: 185.779 ms
Loss rate: 4.97%

Run 9: Report of FillP — Data Link

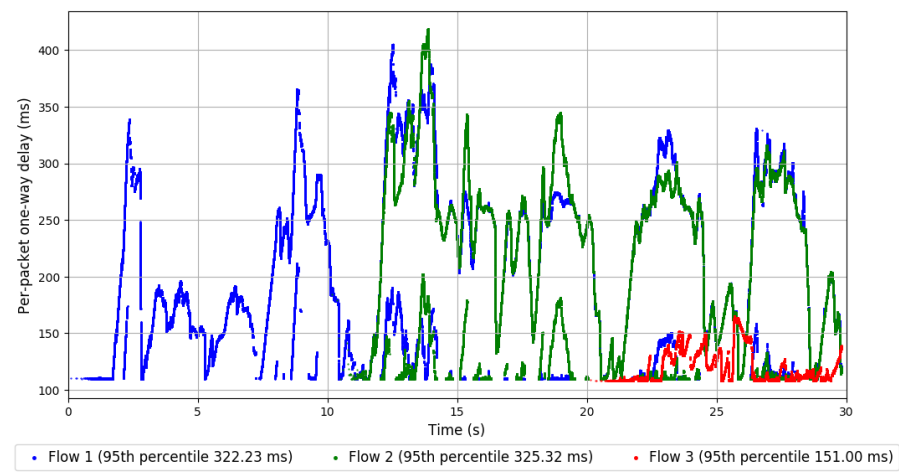
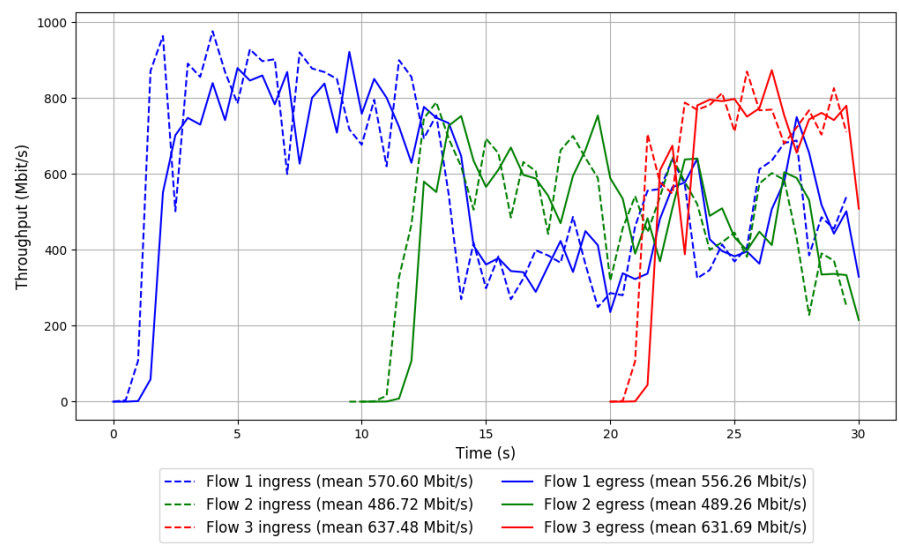


Run 10: Statistics of FillP

Start at: 2018-07-18 19:50:04
End at: 2018-07-18 19:50:34
Local clock offset: -1.477 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-18 21:26:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1085.56 Mbit/s
95th percentile per-packet one-way delay: 317.038 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 556.26 Mbit/s
95th percentile per-packet one-way delay: 322.230 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 489.26 Mbit/s
95th percentile per-packet one-way delay: 325.317 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 631.69 Mbit/s
95th percentile per-packet one-way delay: 150.999 ms
Loss rate: 3.13%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 15:57:49

End at: 2018-07-18 15:58:19

Local clock offset: -0.151 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-18 21:27:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1194.77 Mbit/s

95th percentile per-packet one-way delay: 187.967 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 651.04 Mbit/s

95th percentile per-packet one-way delay: 203.385 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 603.90 Mbit/s

95th percentile per-packet one-way delay: 173.232 ms

Loss rate: 1.33%

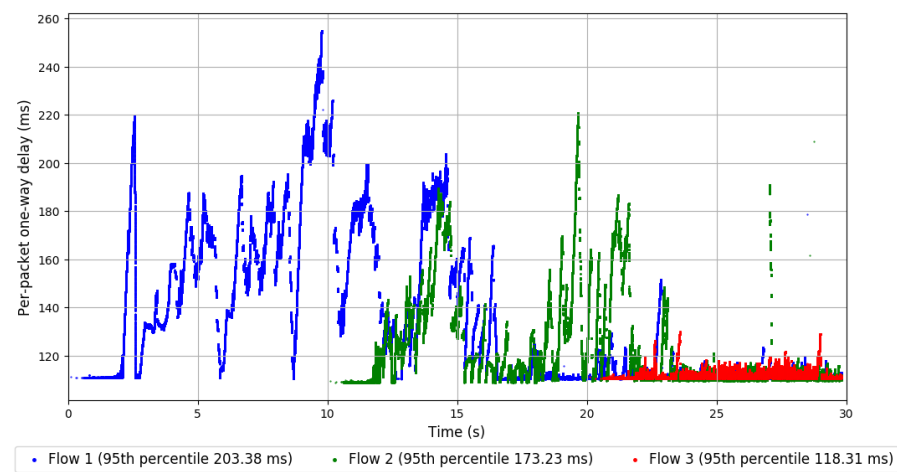
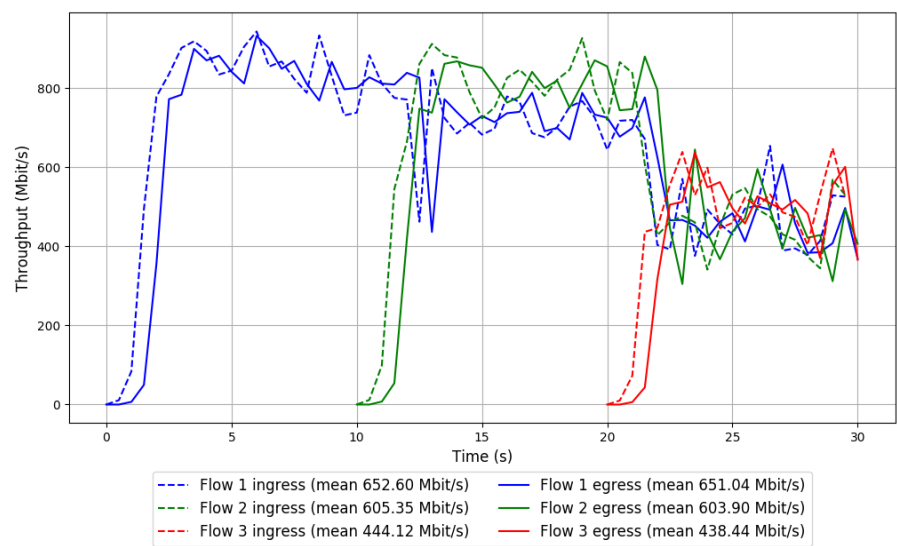
-- Flow 3:

Average throughput: 438.44 Mbit/s

95th percentile per-packet one-way delay: 118.308 ms

Loss rate: 3.50%

Run 1: Report of FillP-Sheep — Data Link

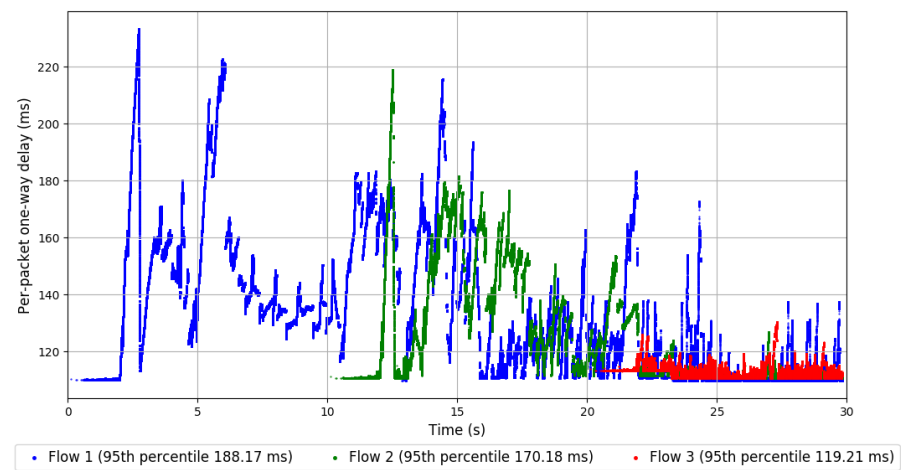
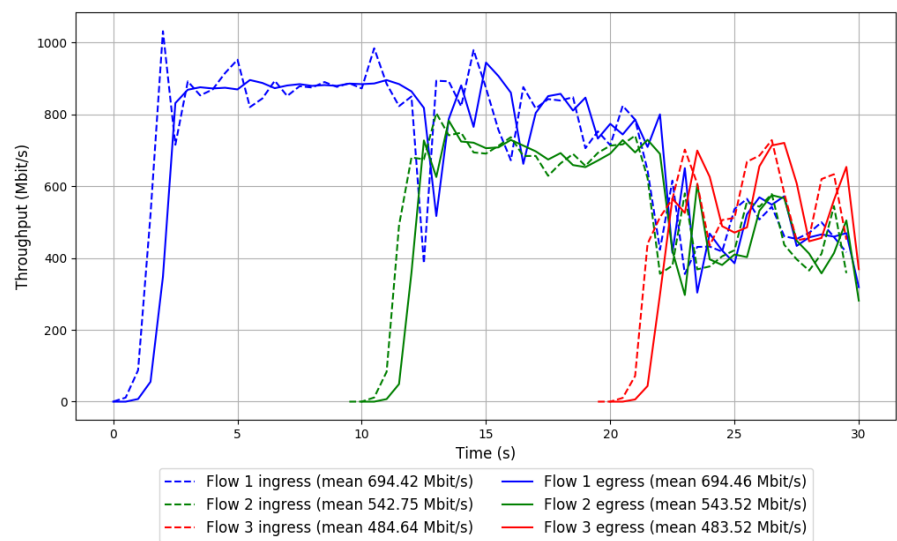


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 16:24:14
End at: 2018-07-18 16:24:44
Local clock offset: 0.317 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-18 21:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1213.09 Mbit/s
95th percentile per-packet one-way delay: 177.112 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 694.46 Mbit/s
95th percentile per-packet one-way delay: 188.171 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 543.52 Mbit/s
95th percentile per-packet one-way delay: 170.180 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 483.52 Mbit/s
95th percentile per-packet one-way delay: 119.211 ms
Loss rate: 2.49%

Run 2: Report of FillP-Sheep — Data Link

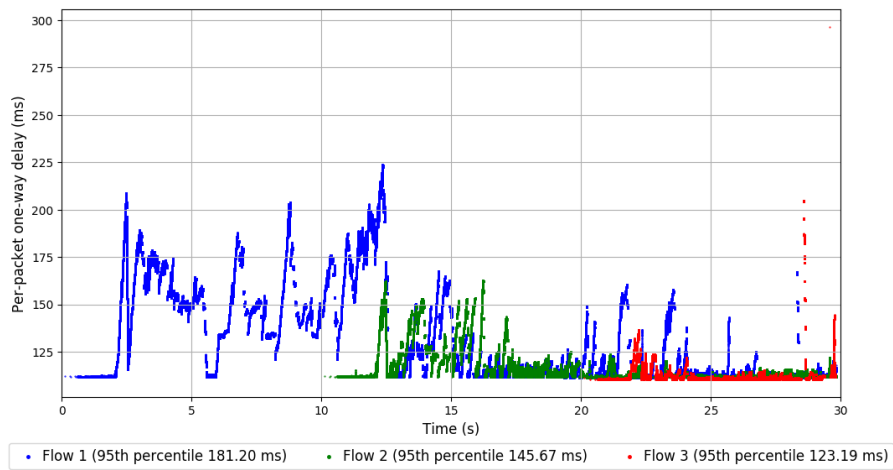
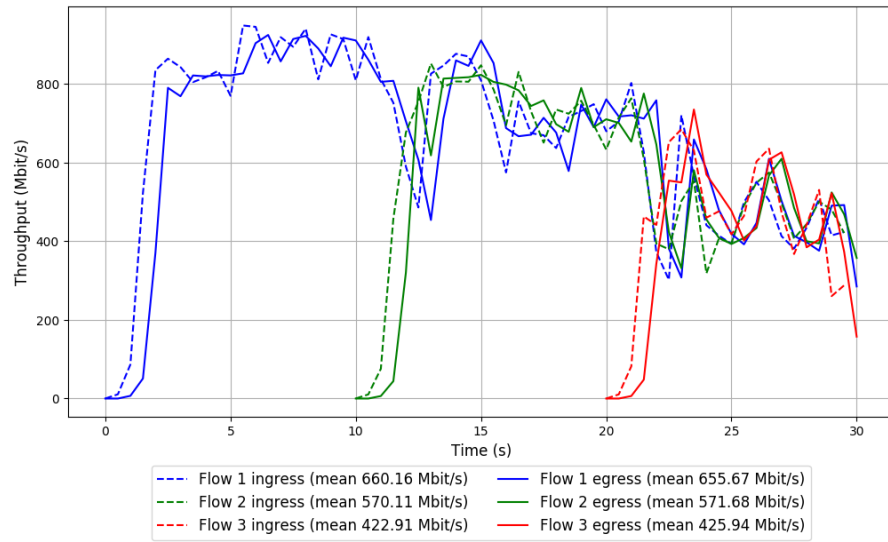


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 16:50:28
End at: 2018-07-18 16:50:58
Local clock offset: -0.061 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-18 21:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1173.61 Mbit/s
95th percentile per-packet one-way delay: 174.374 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 655.67 Mbit/s
95th percentile per-packet one-way delay: 181.202 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 571.68 Mbit/s
95th percentile per-packet one-way delay: 145.669 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 425.94 Mbit/s
95th percentile per-packet one-way delay: 123.194 ms
Loss rate: 1.69%

Run 3: Report of FillP-Sheep — Data Link

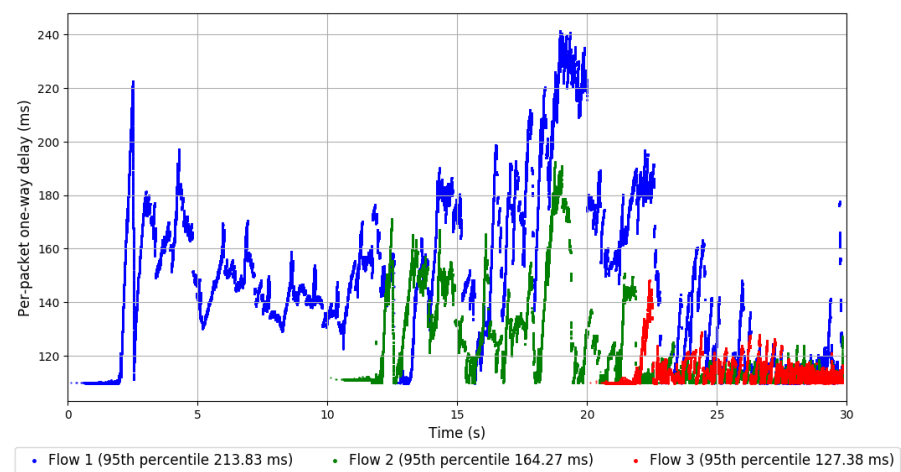
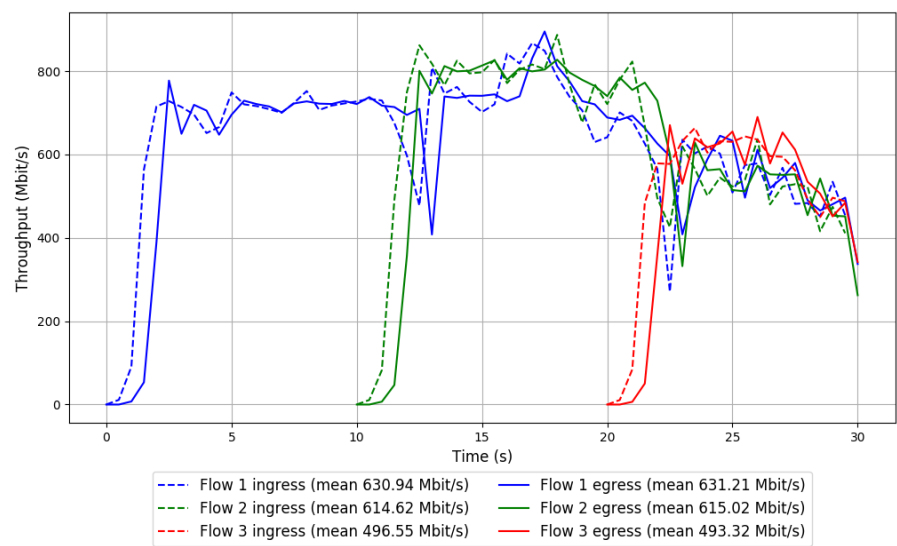


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 17:16:36
End at: 2018-07-18 17:17:06
Local clock offset: -0.564 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-07-18 21:29:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1200.18 Mbit/s
95th percentile per-packet one-way delay: 189.928 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 631.21 Mbit/s
95th percentile per-packet one-way delay: 213.833 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 615.02 Mbit/s
95th percentile per-packet one-way delay: 164.271 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 493.32 Mbit/s
95th percentile per-packet one-way delay: 127.384 ms
Loss rate: 2.80%

Run 4: Report of FillP-Sheep — Data Link

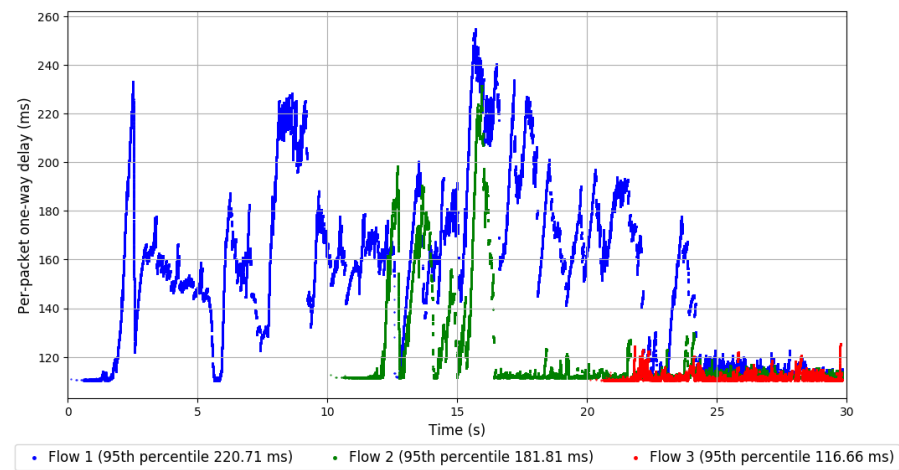
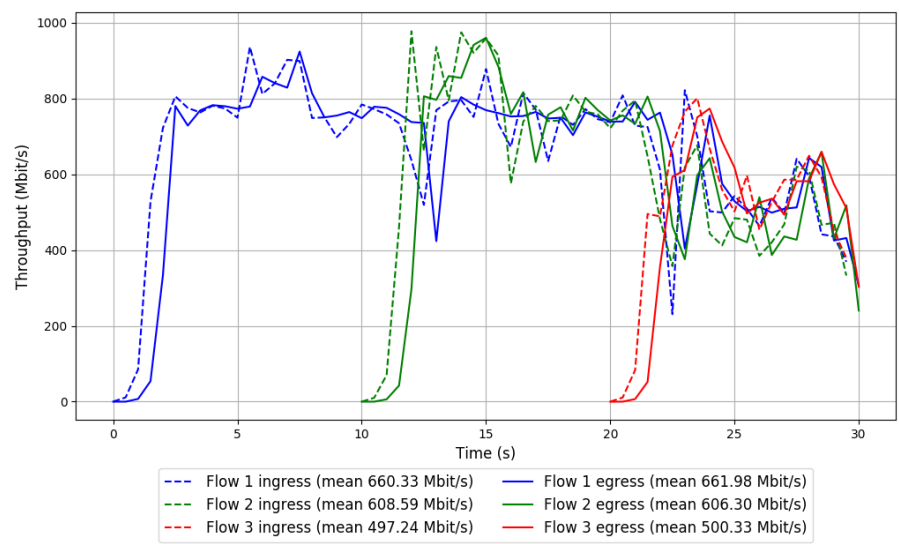


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 17:42:27
End at: 2018-07-18 17:42:57
Local clock offset: -0.014 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-18 21:31:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1227.20 Mbit/s
95th percentile per-packet one-way delay: 213.488 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 661.98 Mbit/s
95th percentile per-packet one-way delay: 220.710 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 606.30 Mbit/s
95th percentile per-packet one-way delay: 181.806 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 500.33 Mbit/s
95th percentile per-packet one-way delay: 116.657 ms
Loss rate: 1.64%

Run 5: Report of FillP-Sheep — Data Link

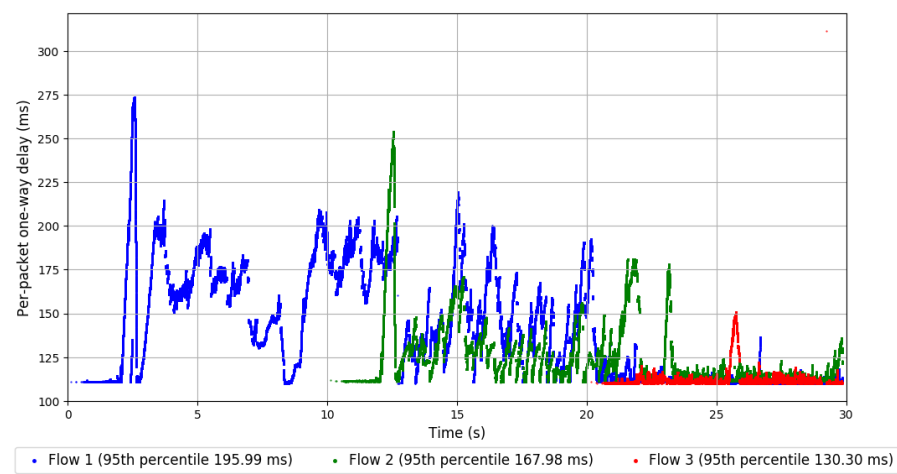
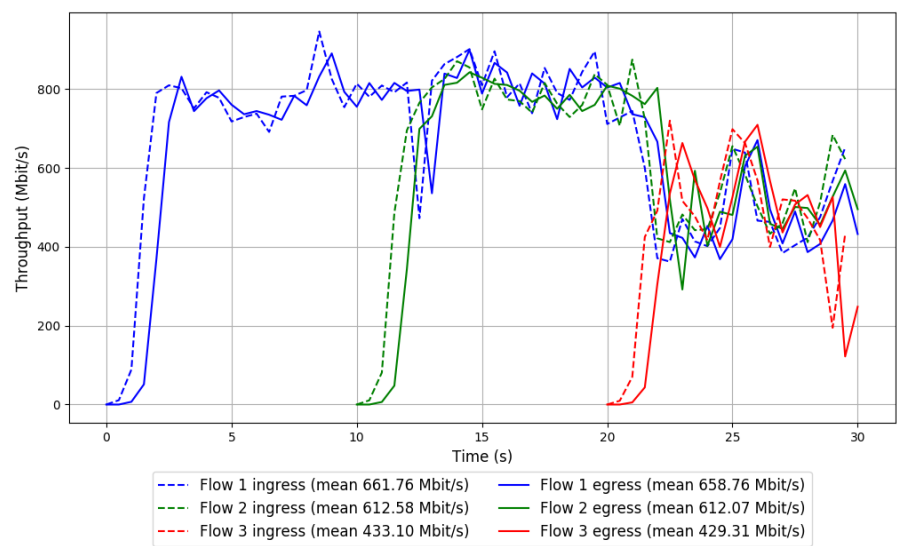


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 18:08:52
End at: 2018-07-18 18:09:22
Local clock offset: -0.206 ms
Remote clock offset: -0.153 ms

```
# Below is generated by plot.py at 2018-07-18 21:32:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.43 Mbit/s
95th percentile per-packet one-way delay: 191.154 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 658.76 Mbit/s
95th percentile per-packet one-way delay: 195.986 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 612.07 Mbit/s
95th percentile per-packet one-way delay: 167.976 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 429.31 Mbit/s
95th percentile per-packet one-way delay: 130.302 ms
Loss rate: 3.11%
```

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 18:35:00

End at: 2018-07-18 18:35:30

Local clock offset: -0.071 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-07-18 21:42:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 1193.29 Mbit/s

95th percentile per-packet one-way delay: 196.928 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 648.32 Mbit/s

95th percentile per-packet one-way delay: 199.239 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 580.94 Mbit/s

95th percentile per-packet one-way delay: 197.440 ms

Loss rate: 3.91%

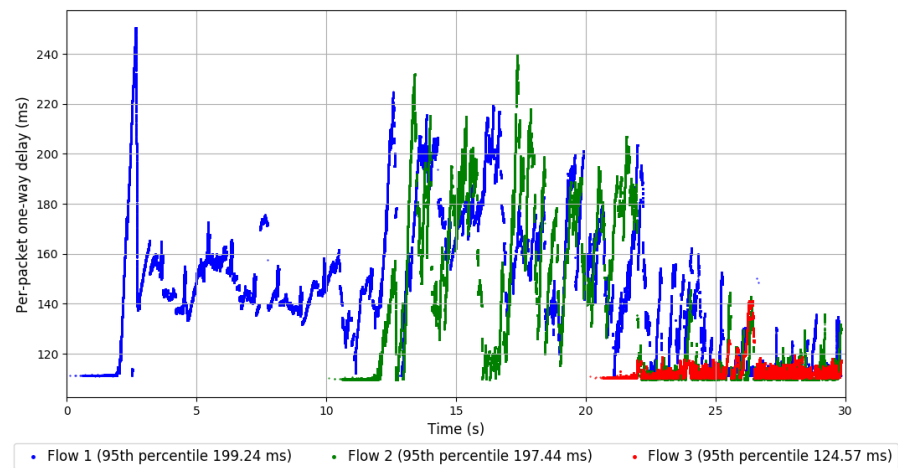
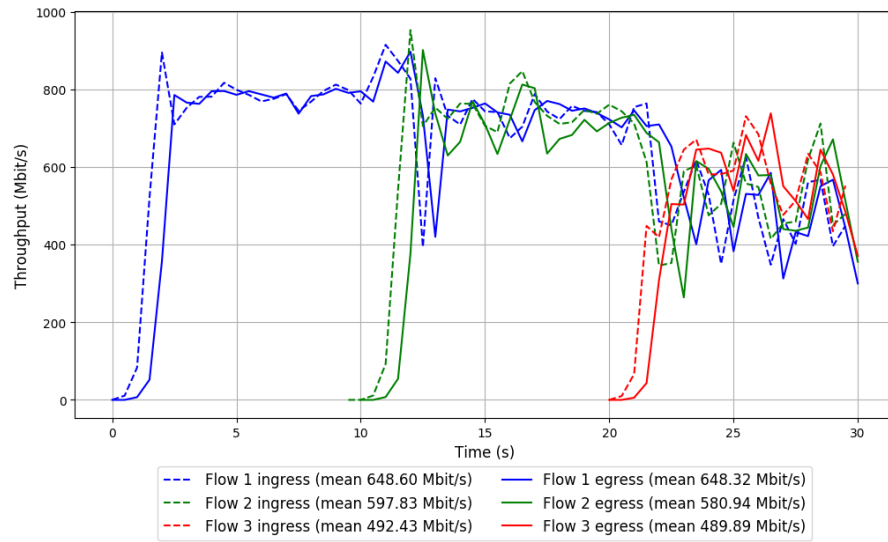
-- Flow 3:

Average throughput: 489.89 Mbit/s

95th percentile per-packet one-way delay: 124.571 ms

Loss rate: 2.76%

Run 7: Report of FillP-Sheep — Data Link

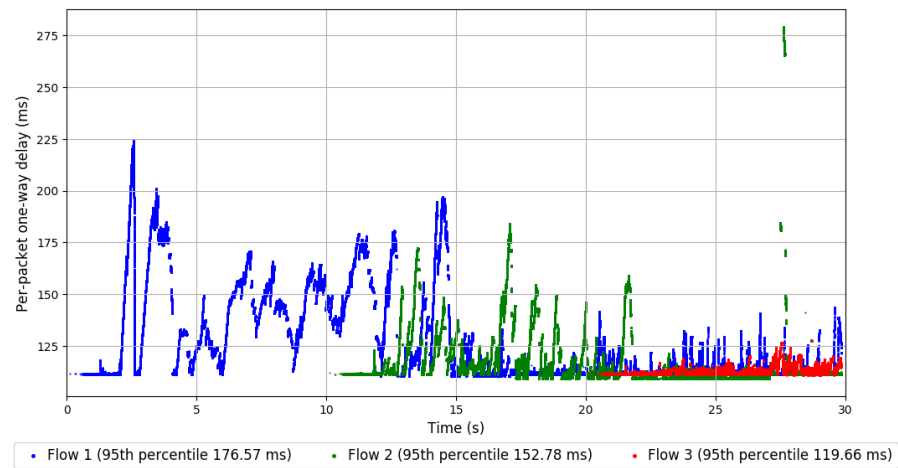
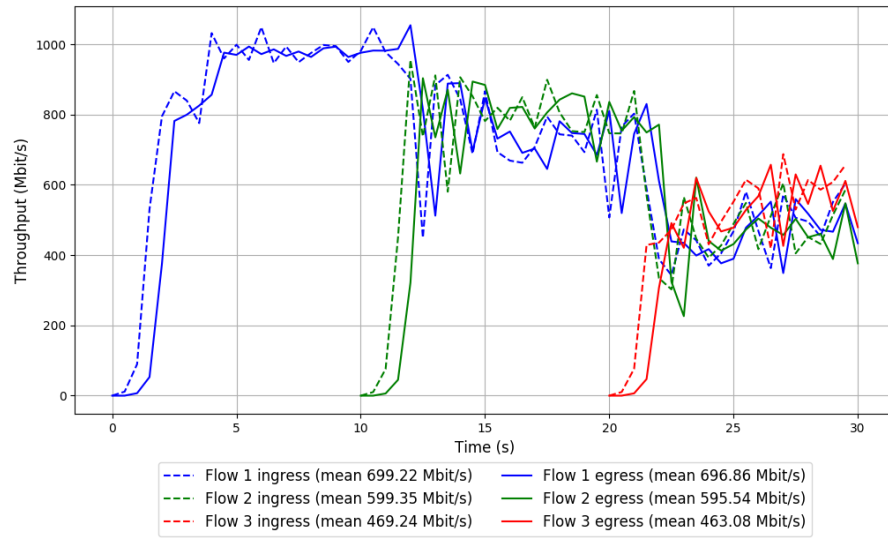


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 19:01:20
End at: 2018-07-18 19:01:50
Local clock offset: 0.061 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-18 21:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 1243.02 Mbit/s
95th percentile per-packet one-way delay: 171.093 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 696.86 Mbit/s
95th percentile per-packet one-way delay: 176.567 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 595.54 Mbit/s
95th percentile per-packet one-way delay: 152.782 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 463.08 Mbit/s
95th percentile per-packet one-way delay: 119.664 ms
Loss rate: 3.53%

Run 8: Report of FillP-Sheep — Data Link

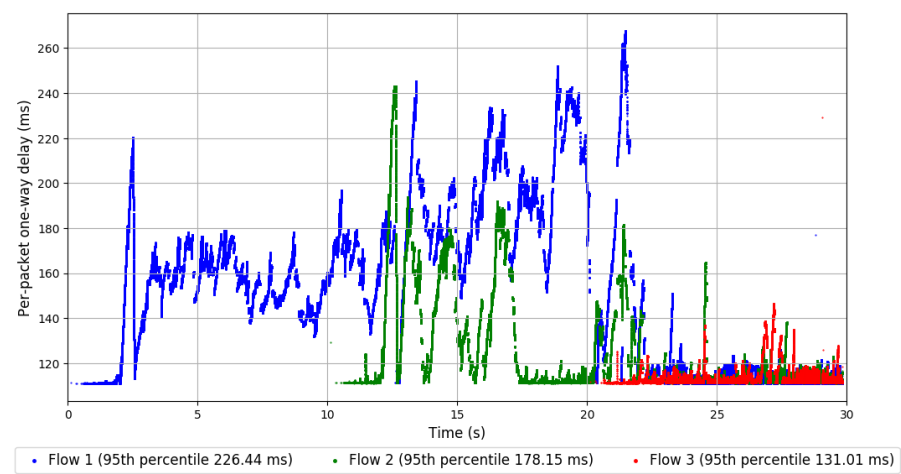
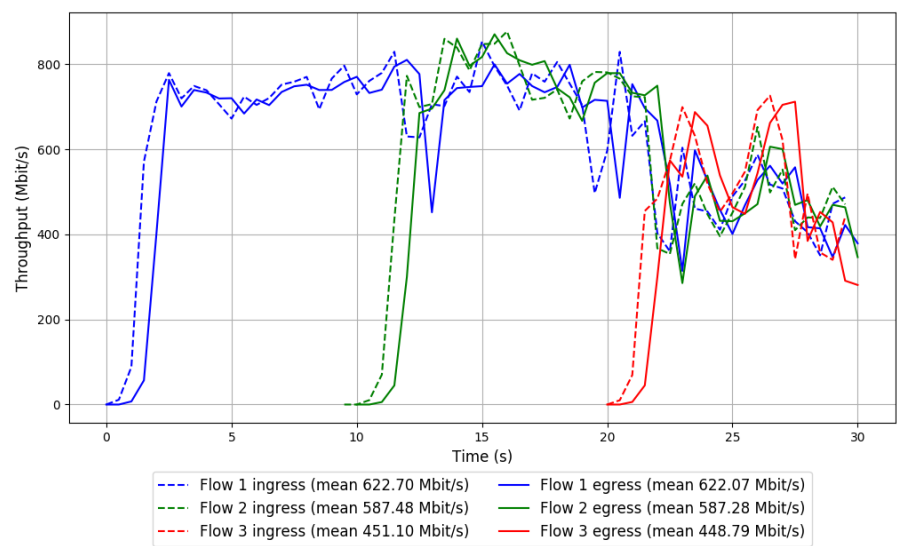


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 19:27:24
End at: 2018-07-18 19:27:54
Local clock offset: -0.052 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-18 21:52:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1157.89 Mbit/s
95th percentile per-packet one-way delay: 214.034 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 622.07 Mbit/s
95th percentile per-packet one-way delay: 226.443 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 587.28 Mbit/s
95th percentile per-packet one-way delay: 178.146 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 448.79 Mbit/s
95th percentile per-packet one-way delay: 131.010 ms
Loss rate: 2.70%

Run 9: Report of FillP-Sheep — Data Link

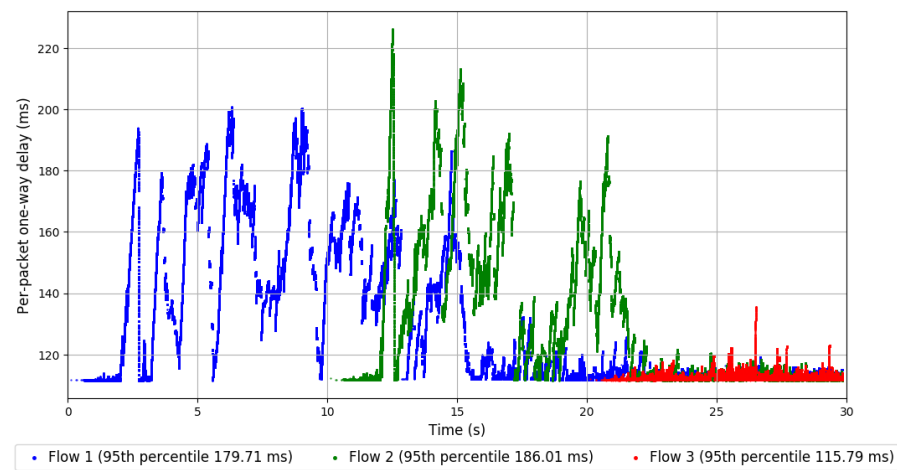
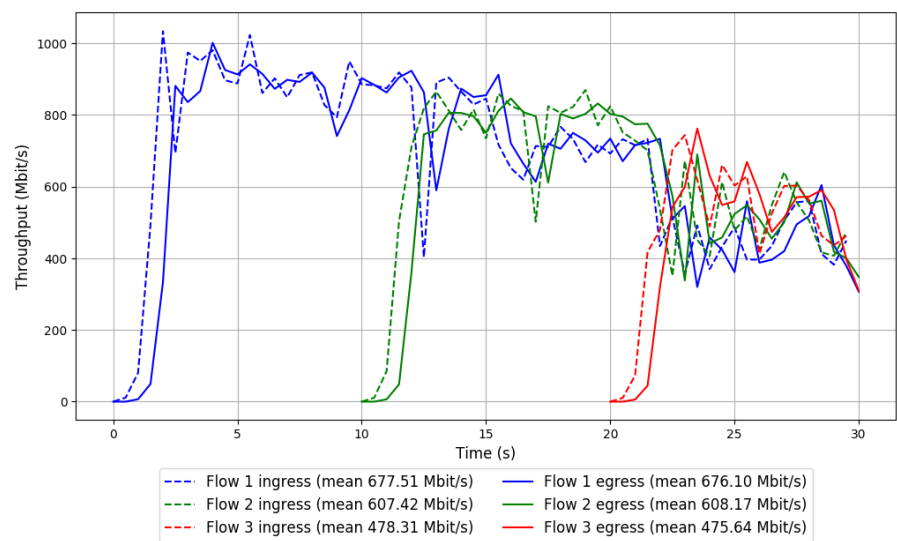


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 19:53:29
End at: 2018-07-18 19:53:59
Local clock offset: 0.332 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1234.29 Mbit/s
95th percentile per-packet one-way delay: 179.499 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 676.10 Mbit/s
95th percentile per-packet one-way delay: 179.709 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 608.17 Mbit/s
95th percentile per-packet one-way delay: 186.012 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 475.64 Mbit/s
95th percentile per-packet one-way delay: 115.789 ms
Loss rate: 2.83%

Run 10: Report of FillP-Sheep — Data Link

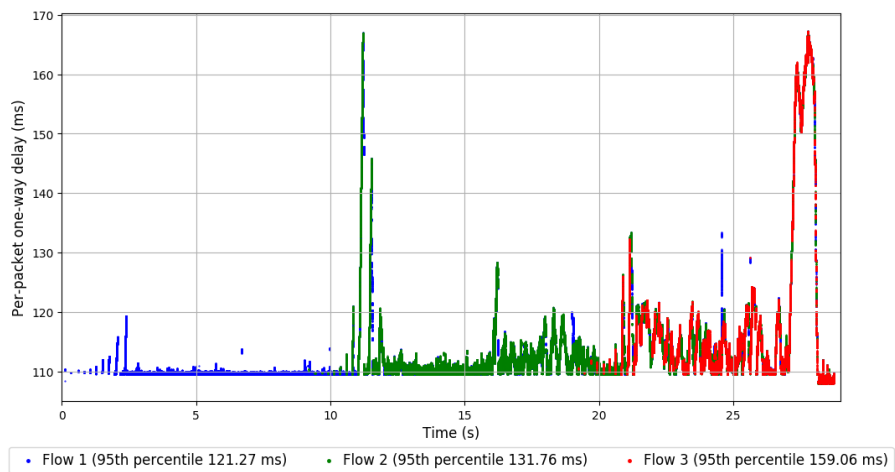
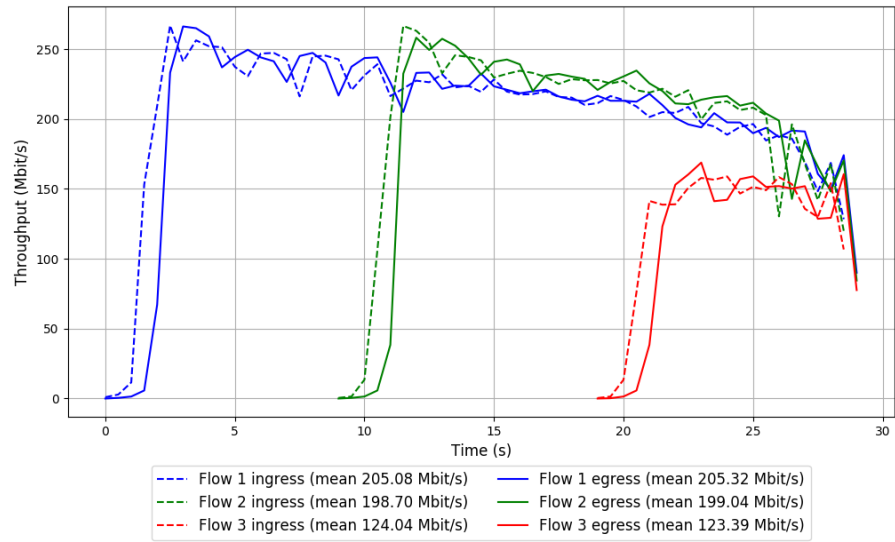


Run 1: Statistics of Indigo

Start at: 2018-07-18 16:01:18
End at: 2018-07-18 16:01:48
Local clock offset: -1.354 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.23 Mbit/s
95th percentile per-packet one-way delay: 128.966 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 121.266 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 199.04 Mbit/s
95th percentile per-packet one-way delay: 131.760 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 123.39 Mbit/s
95th percentile per-packet one-way delay: 159.056 ms
Loss rate: 2.80%

Run 1: Report of Indigo — Data Link

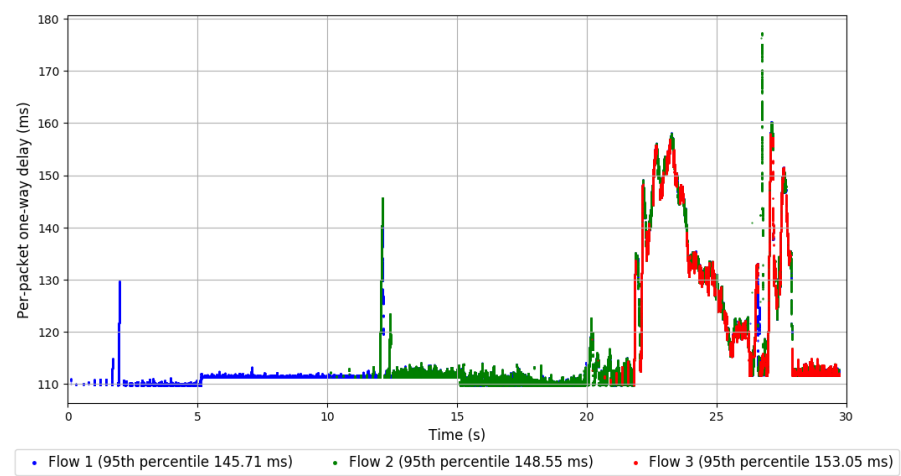
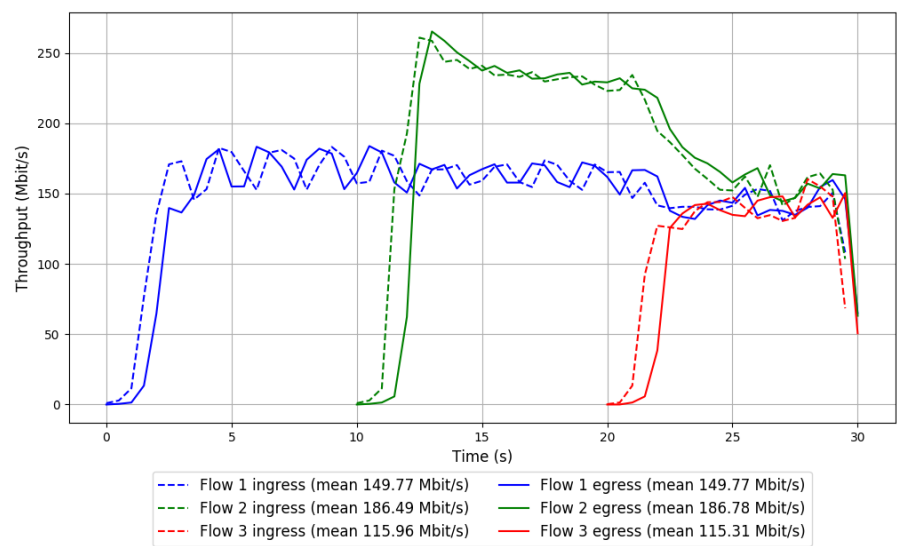


Run 2: Statistics of Indigo

Start at: 2018-07-18 16:27:42
End at: 2018-07-18 16:28:12
Local clock offset: 0.014 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.35 Mbit/s
95th percentile per-packet one-way delay: 148.649 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 149.77 Mbit/s
95th percentile per-packet one-way delay: 145.705 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 186.78 Mbit/s
95th percentile per-packet one-way delay: 148.552 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 115.31 Mbit/s
95th percentile per-packet one-way delay: 153.046 ms
Loss rate: 2.86%

Run 2: Report of Indigo — Data Link

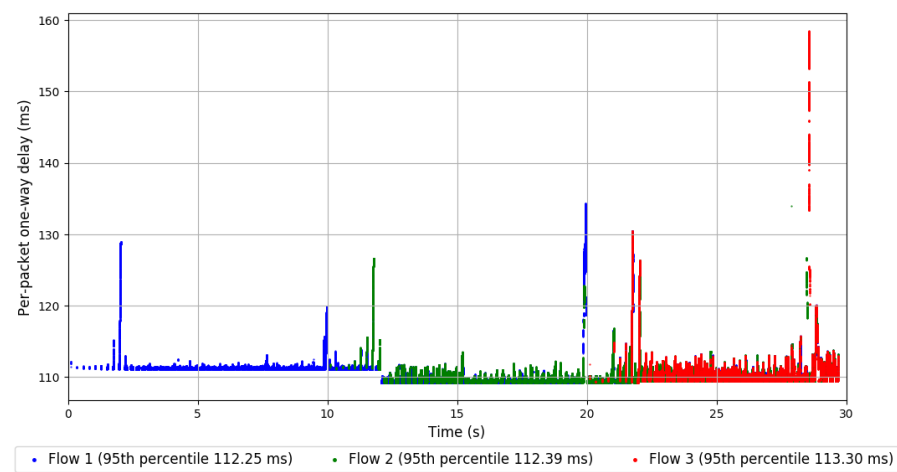
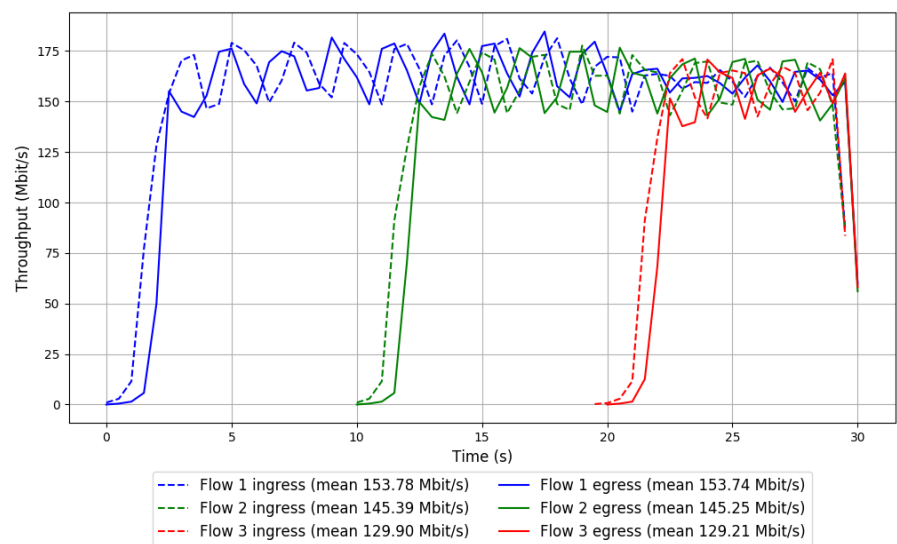


Run 3: Statistics of Indigo

Start at: 2018-07-18 16:53:55
End at: 2018-07-18 16:54:25
Local clock offset: -0.255 ms
Remote clock offset: -0.088 ms

```
# Below is generated by plot.py at 2018-07-18 21:54:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.71 Mbit/s
95th percentile per-packet one-way delay: 112.481 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 153.74 Mbit/s
95th percentile per-packet one-way delay: 112.245 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 145.25 Mbit/s
95th percentile per-packet one-way delay: 112.389 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 129.21 Mbit/s
95th percentile per-packet one-way delay: 113.299 ms
Loss rate: 2.77%
```


Run 3: Report of Indigo — Data Link

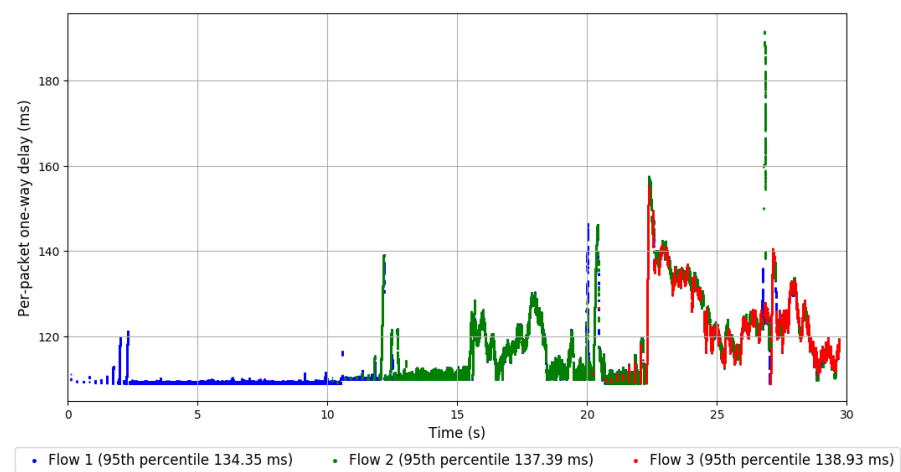
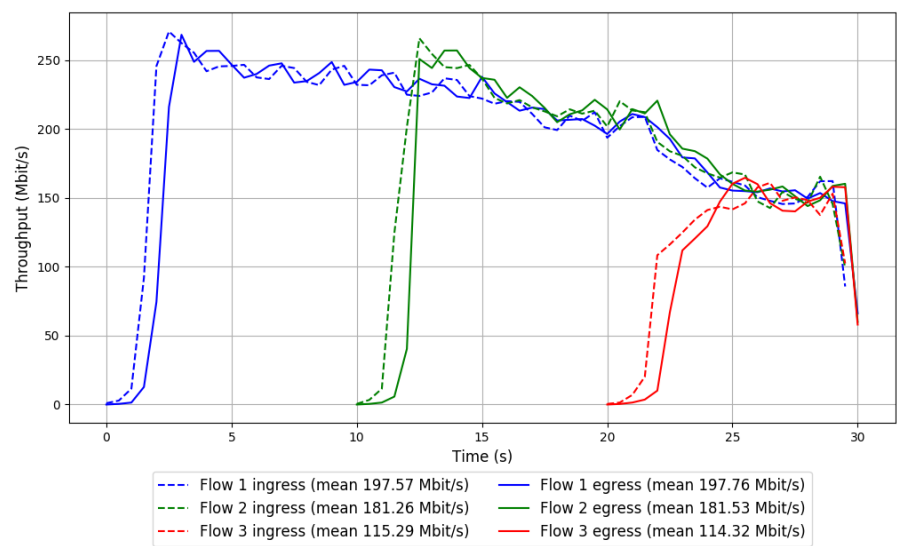


Run 4: Statistics of Indigo

Start at: 2018-07-18 17:20:07
End at: 2018-07-18 17:20:37
Local clock offset: -0.431 ms
Remote clock offset: -0.049 ms

```
# Below is generated by plot.py at 2018-07-18 21:54:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.30 Mbit/s
95th percentile per-packet one-way delay: 136.058 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 197.76 Mbit/s
95th percentile per-packet one-way delay: 134.351 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 181.53 Mbit/s
95th percentile per-packet one-way delay: 137.390 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 114.32 Mbit/s
95th percentile per-packet one-way delay: 138.930 ms
Loss rate: 3.06%
```

Run 4: Report of Indigo — Data Link

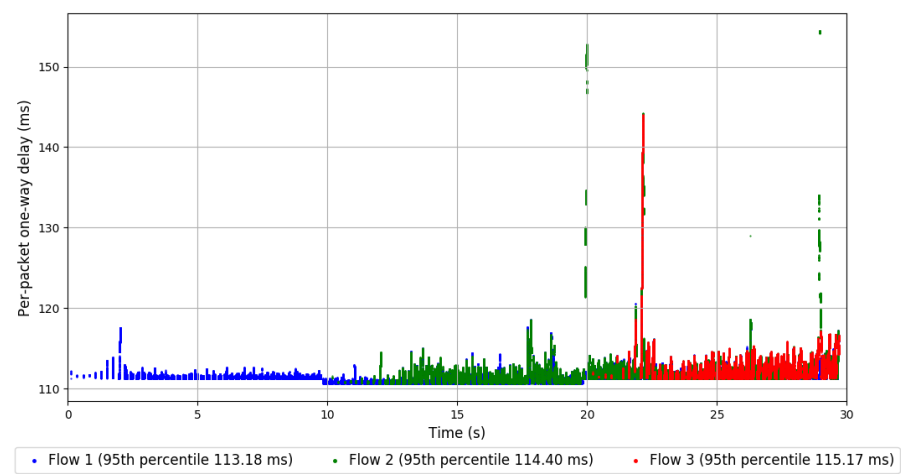
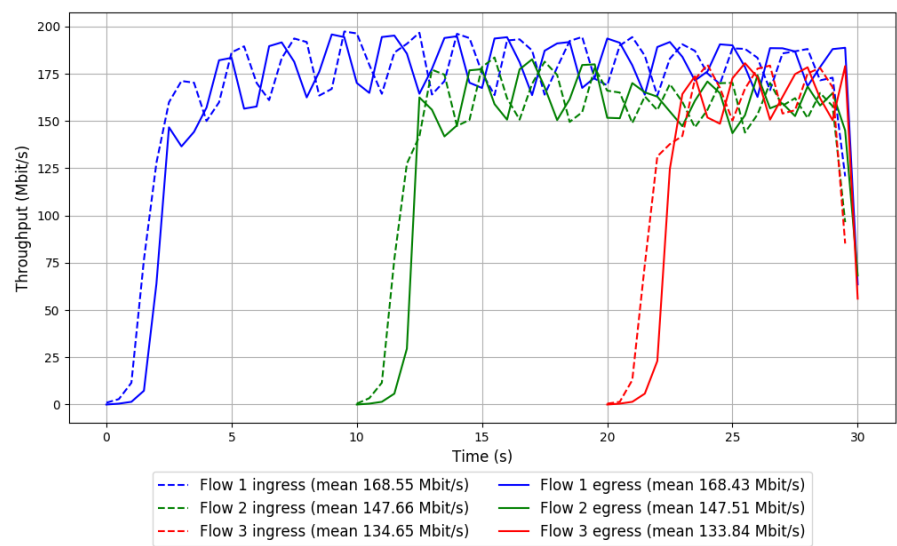


Run 5: Statistics of Indigo

Start at: 2018-07-18 17:45:57
End at: 2018-07-18 17:46:27
Local clock offset: -0.072 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.50 Mbit/s
95th percentile per-packet one-way delay: 113.998 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 168.43 Mbit/s
95th percentile per-packet one-way delay: 113.178 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 147.51 Mbit/s
95th percentile per-packet one-way delay: 114.402 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 115.167 ms
Loss rate: 2.88%

Run 5: Report of Indigo — Data Link

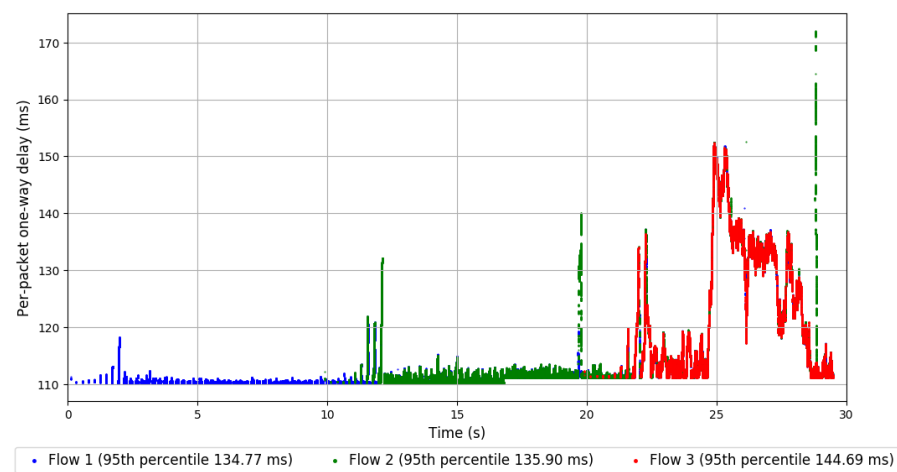
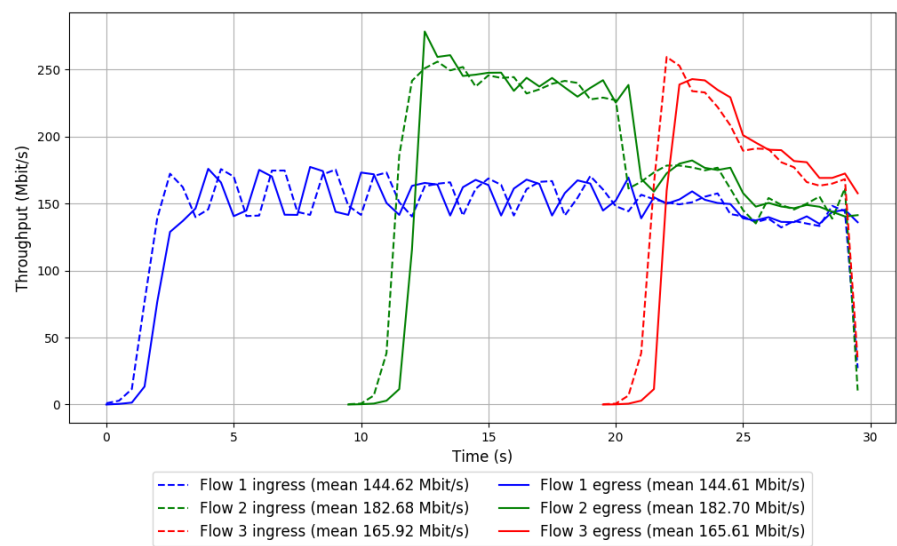


Run 6: Statistics of Indigo

Start at: 2018-07-18 18:12:20
End at: 2018-07-18 18:12:50
Local clock offset: -0.158 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 144.61 Mbit/s
95th percentile per-packet one-way delay: 134.770 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 182.70 Mbit/s
95th percentile per-packet one-way delay: 135.898 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 165.61 Mbit/s
95th percentile per-packet one-way delay: 144.686 ms
Loss rate: 2.31%

Run 6: Report of Indigo — Data Link

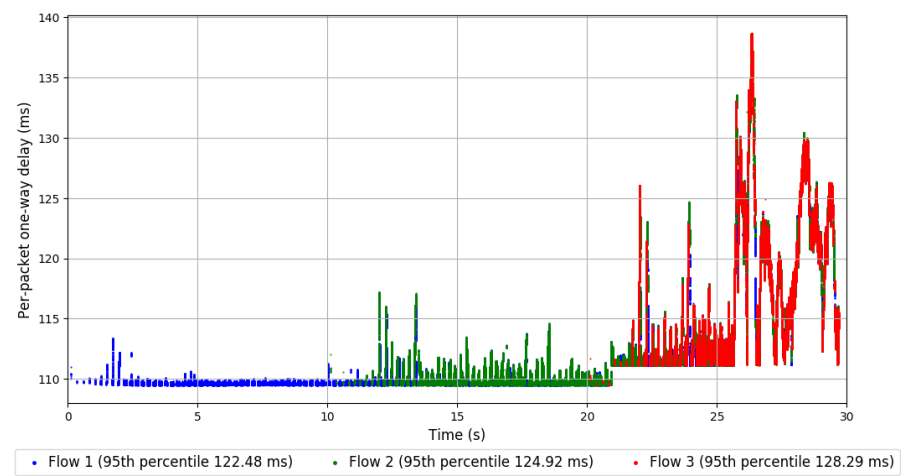
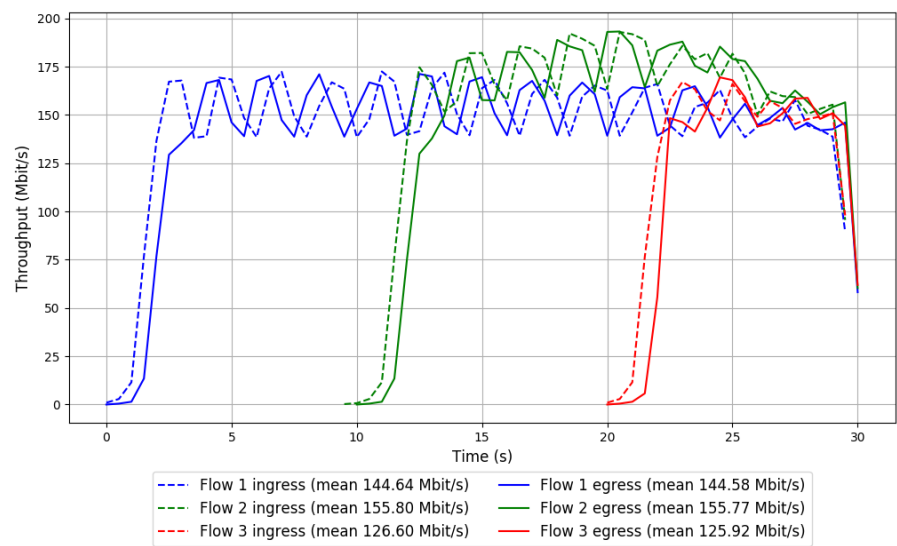


Run 7: Statistics of Indigo

Start at: 2018-07-18 18:38:26
End at: 2018-07-18 18:38:56
Local clock offset: -0.123 ms
Remote clock offset: -0.117 ms

```
# Below is generated by plot.py at 2018-07-18 21:54:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.46 Mbit/s
95th percentile per-packet one-way delay: 124.931 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 144.58 Mbit/s
95th percentile per-packet one-way delay: 122.479 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 155.77 Mbit/s
95th percentile per-packet one-way delay: 124.923 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 125.92 Mbit/s
95th percentile per-packet one-way delay: 128.292 ms
Loss rate: 2.78%
```


Run 7: Report of Indigo — Data Link

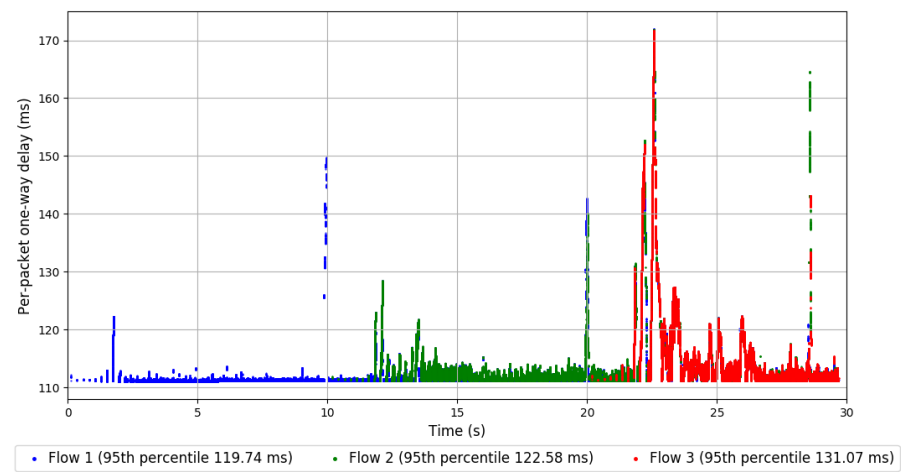
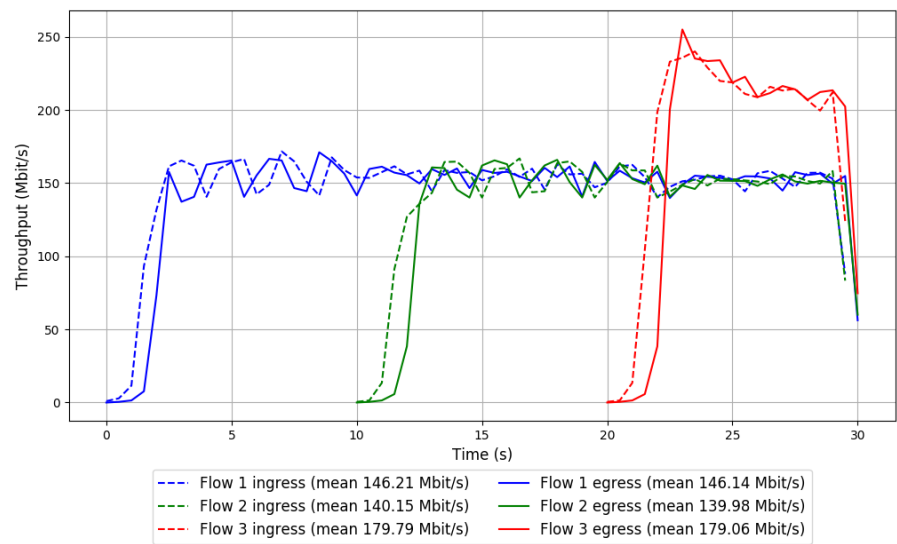


Run 8: Statistics of Indigo

Start at: 2018-07-18 19:04:51
End at: 2018-07-18 19:05:21
Local clock offset: -0.127 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.83 Mbit/s
95th percentile per-packet one-way delay: 123.009 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 119.737 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 139.98 Mbit/s
95th percentile per-packet one-way delay: 122.584 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 131.070 ms
Loss rate: 2.70%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-18 19:30:52

End at: 2018-07-18 19:31:22

Local clock offset: -0.172 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.69 Mbit/s

95th percentile per-packet one-way delay: 114.972 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 153.08 Mbit/s

95th percentile per-packet one-way delay: 114.414 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 142.28 Mbit/s

95th percentile per-packet one-way delay: 115.123 ms

Loss rate: 1.24%

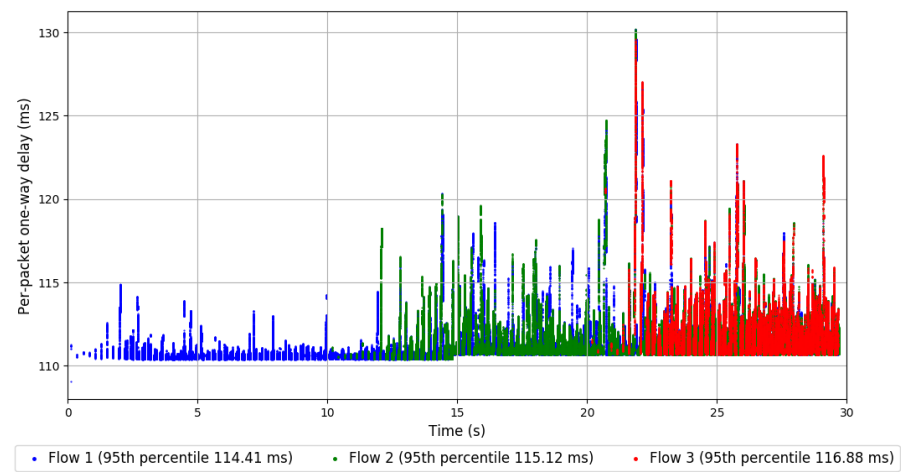
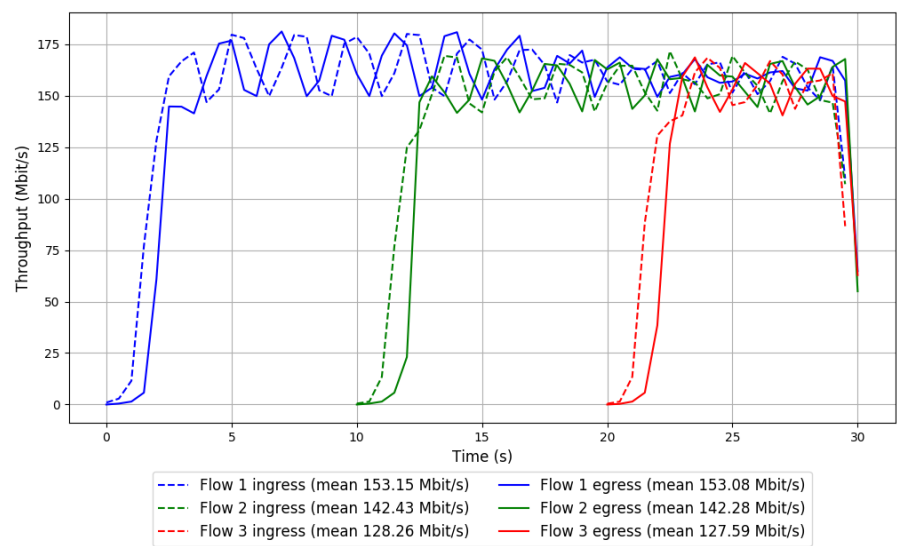
-- Flow 3:

Average throughput: 127.59 Mbit/s

95th percentile per-packet one-way delay: 116.880 ms

Loss rate: 2.82%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 19:56:57

End at: 2018-07-18 19:57:27

Local clock offset: -1.492 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.24 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 204.92 Mbit/s

95th percentile per-packet one-way delay: 112.630 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 142.81 Mbit/s

95th percentile per-packet one-way delay: 113.524 ms

Loss rate: 1.23%

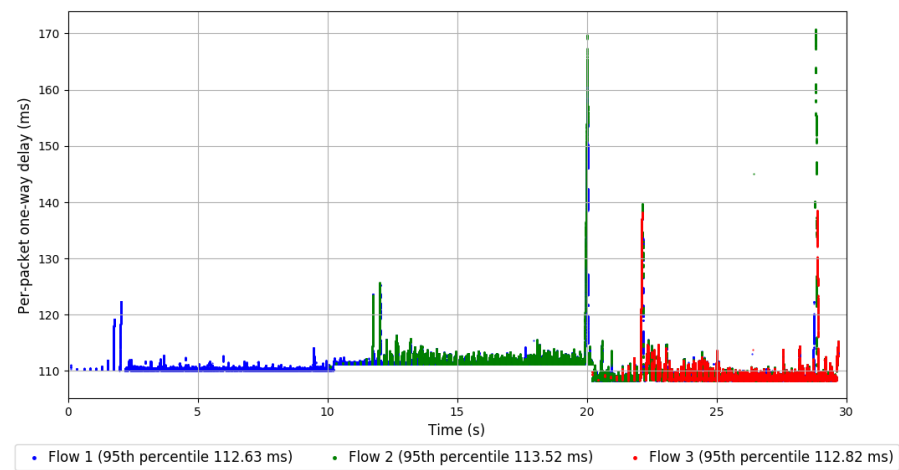
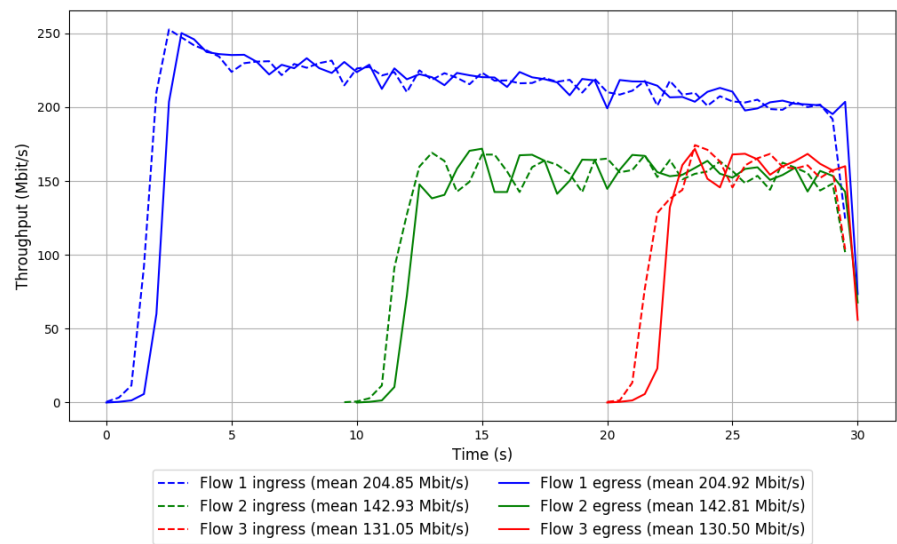
-- Flow 3:

Average throughput: 130.50 Mbit/s

95th percentile per-packet one-way delay: 112.817 ms

Loss rate: 2.70%

Run 10: Report of Indigo — Data Link

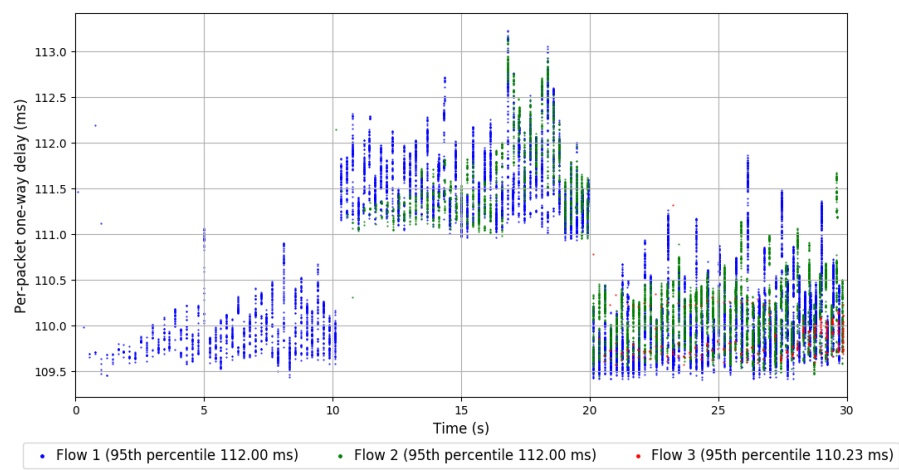
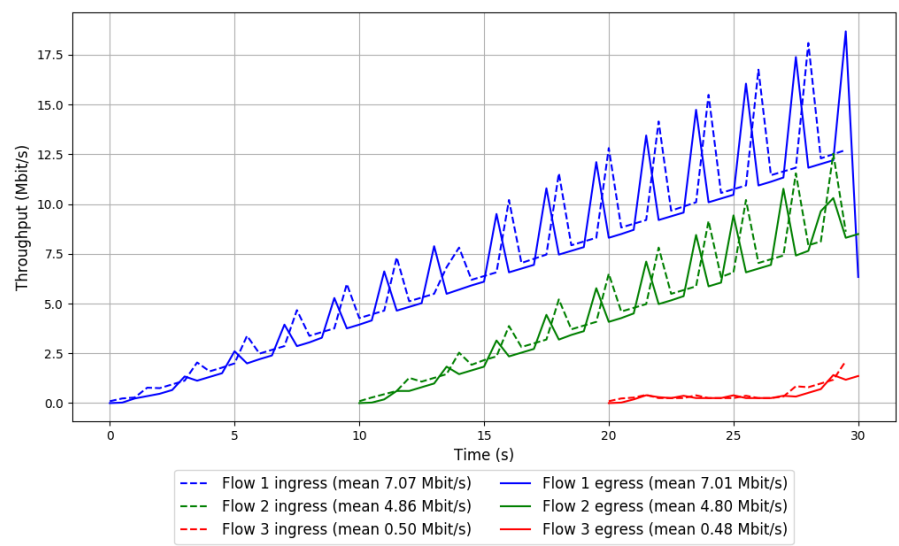


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 16:05:57
End at: 2018-07-18 16:06:27
Local clock offset: 0.0 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 111.992 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 111.995 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 112.002 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 110.229 ms
Loss rate: 7.48%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-18 16:32:04

End at: 2018-07-18 16:32:34

Local clock offset: 0.063 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 112.648 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 112.687 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 4.75 Mbit/s

95th percentile per-packet one-way delay: 112.594 ms

Loss rate: 2.24%

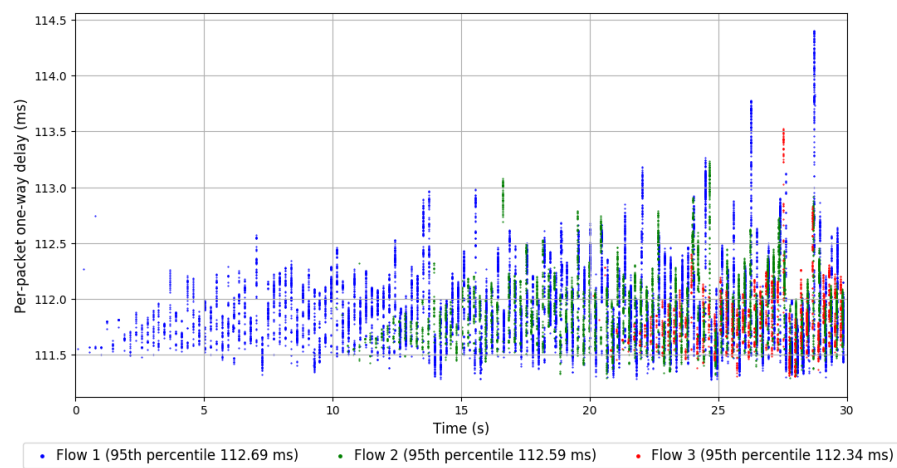
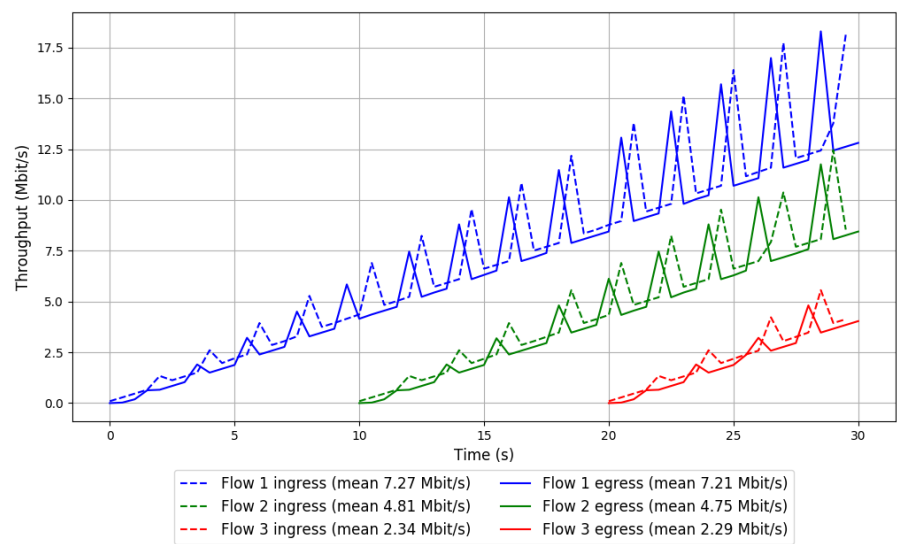
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 112.345 ms

Loss rate: 4.52%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-18 16:58:27

End at: 2018-07-18 16:58:57

Local clock offset: -0.364 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 110.009 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 110.069 ms

Loss rate: 1.61%

-- Flow 2:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 109.898 ms

Loss rate: 2.27%

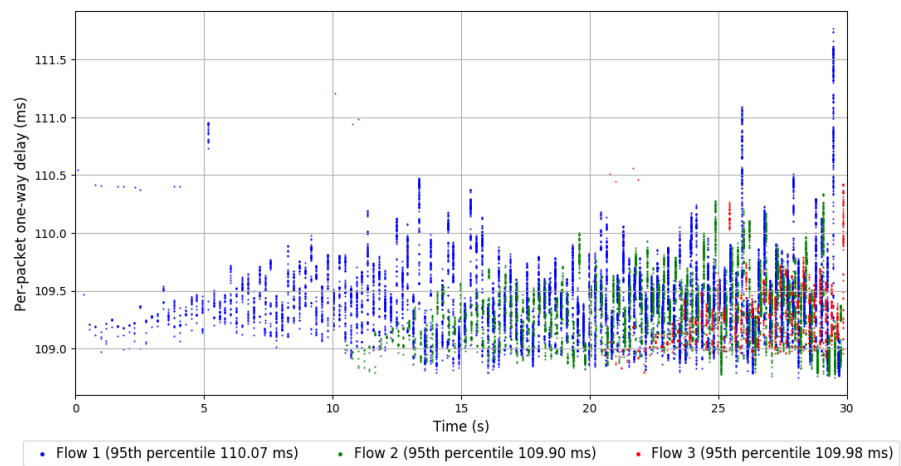
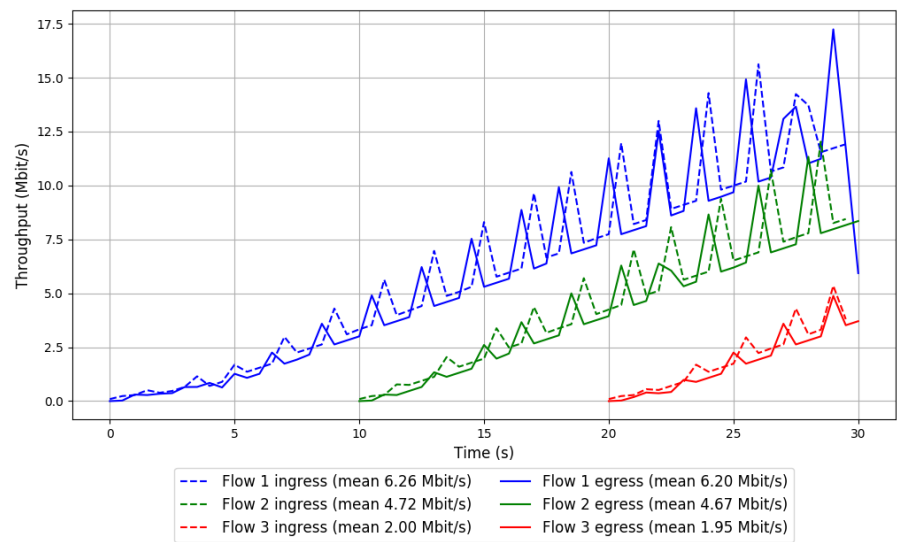
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 4.84%

Run 3: Report of LEDBAT — Data Link

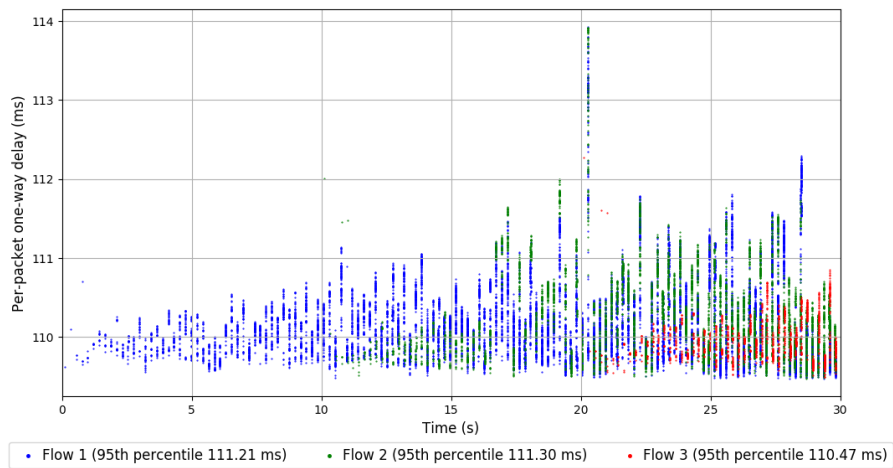
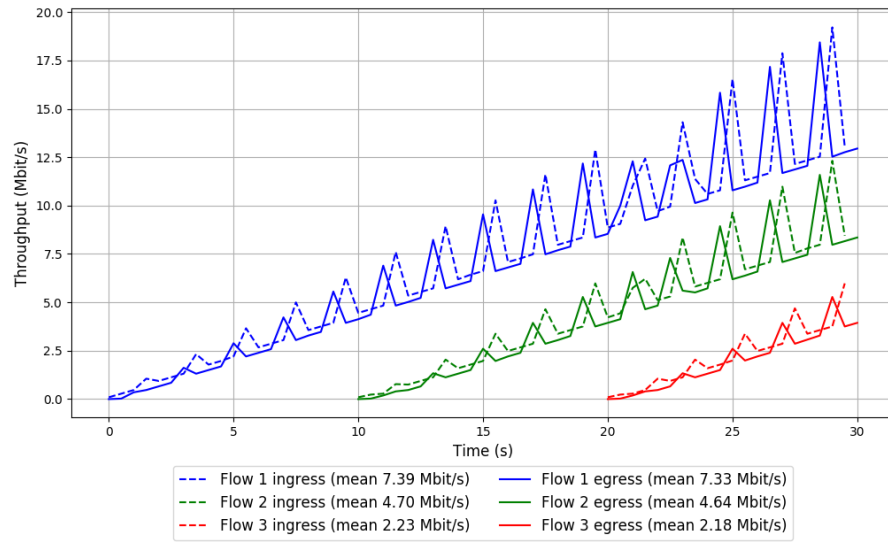


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 17:24:28
End at: 2018-07-18 17:24:58
Local clock offset: 0.069 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 111.206 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 111.211 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 111.297 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 110.466 ms
Loss rate: 4.60%

Run 4: Report of LEDBAT — Data Link

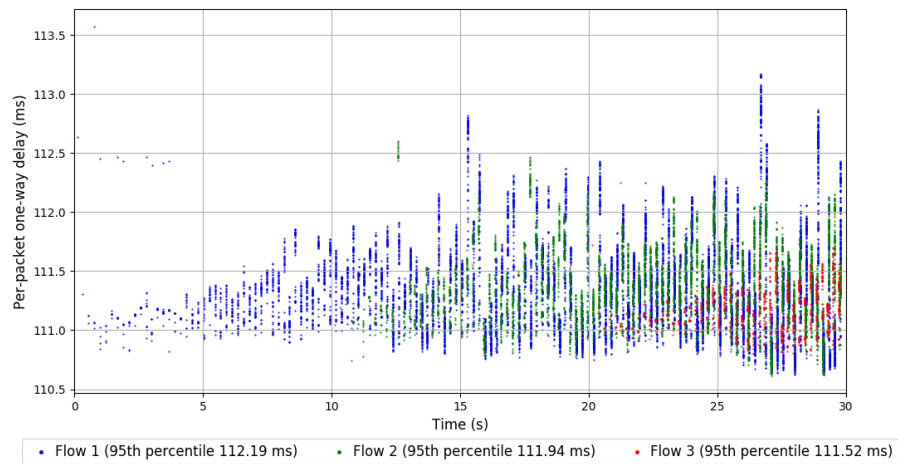
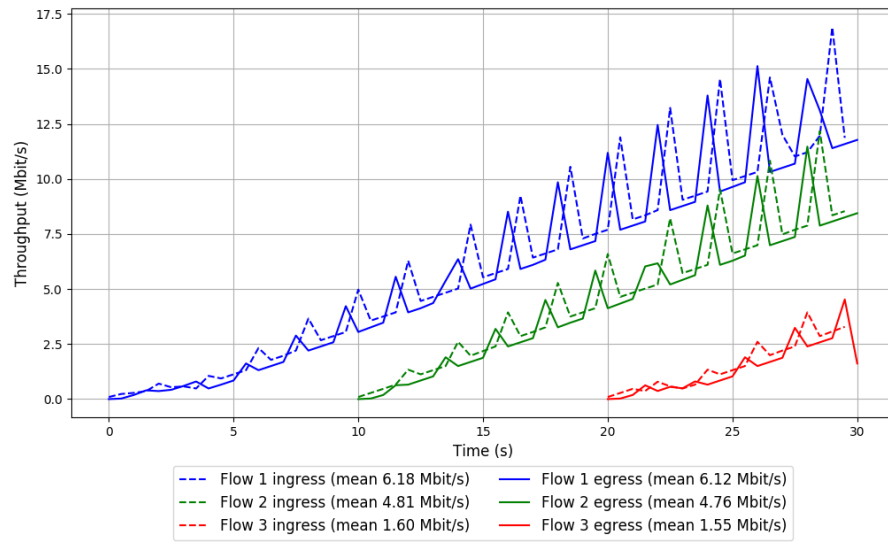


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 17:50:32
End at: 2018-07-18 17:51:02
Local clock offset: -0.203 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 112.093 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 112.186 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 111.937 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 111.522 ms
Loss rate: 5.31%

Run 5: Report of LEDBAT — Data Link

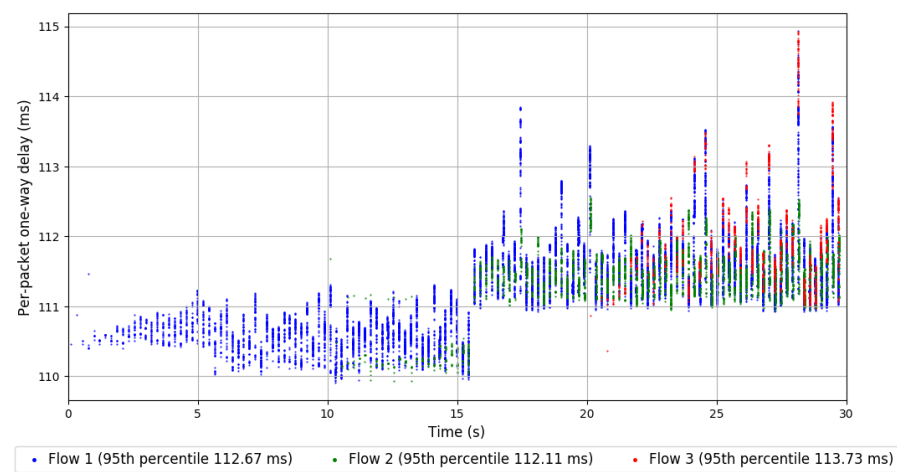
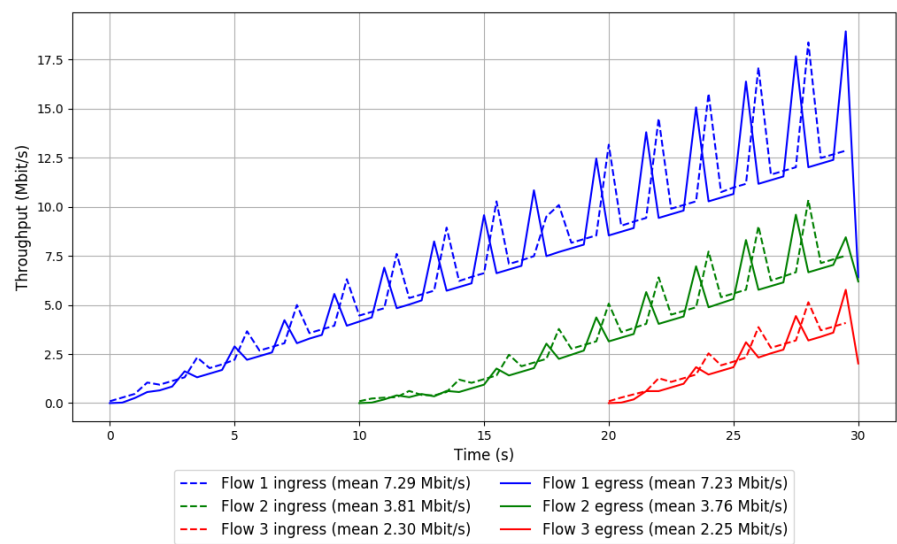


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 18:16:42
End at: 2018-07-18 18:17:12
Local clock offset: -0.388 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 112.561 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.668 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 112.110 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 113.735 ms
Loss rate: 4.58%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-18 18:42:56

End at: 2018-07-18 18:43:26

Local clock offset: -0.146 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.16 Mbit/s

95th percentile per-packet one-way delay: 112.341 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 112.388 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 112.270 ms

Loss rate: 2.22%

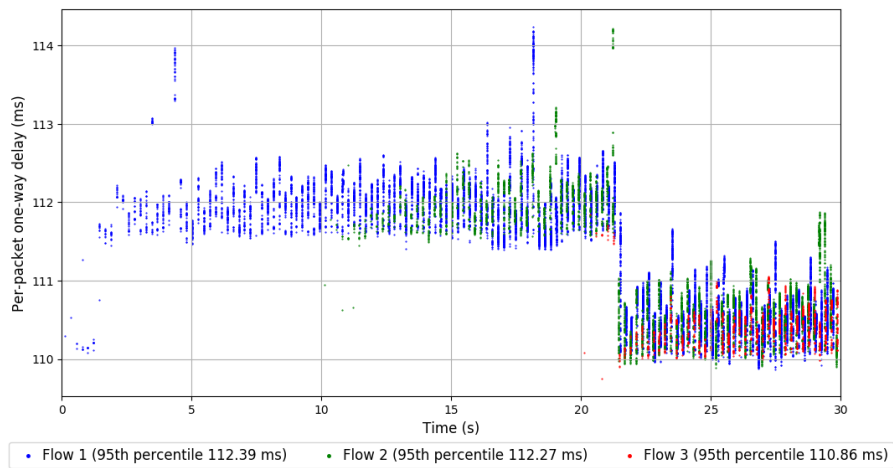
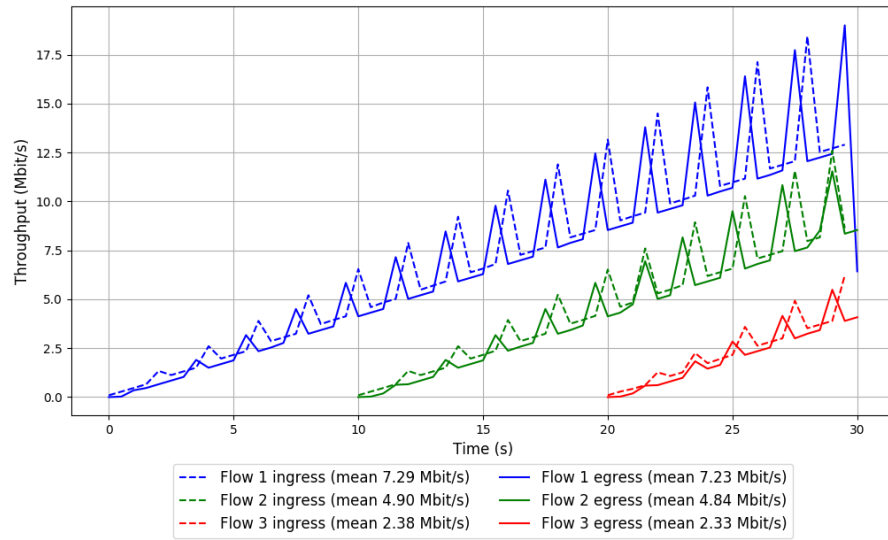
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 110.859 ms

Loss rate: 4.50%

Run 7: Report of LEDBAT — Data Link

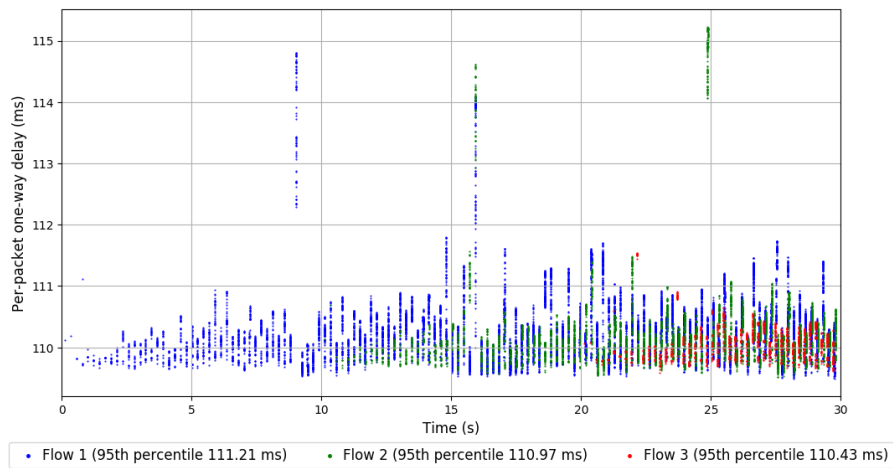
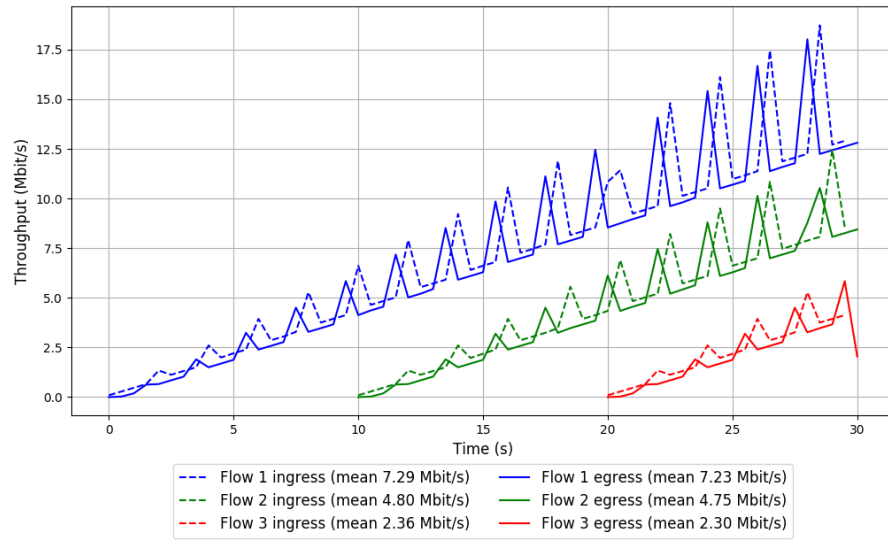


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 19:09:30
End at: 2018-07-18 19:10:00
Local clock offset: -1.335 ms
Remote clock offset: 0.28 ms

```
# Below is generated by plot.py at 2018-07-18 21:54:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 111.149 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 110.973 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 110.430 ms
Loss rate: 4.52%
```

Run 8: Report of LEDBAT — Data Link

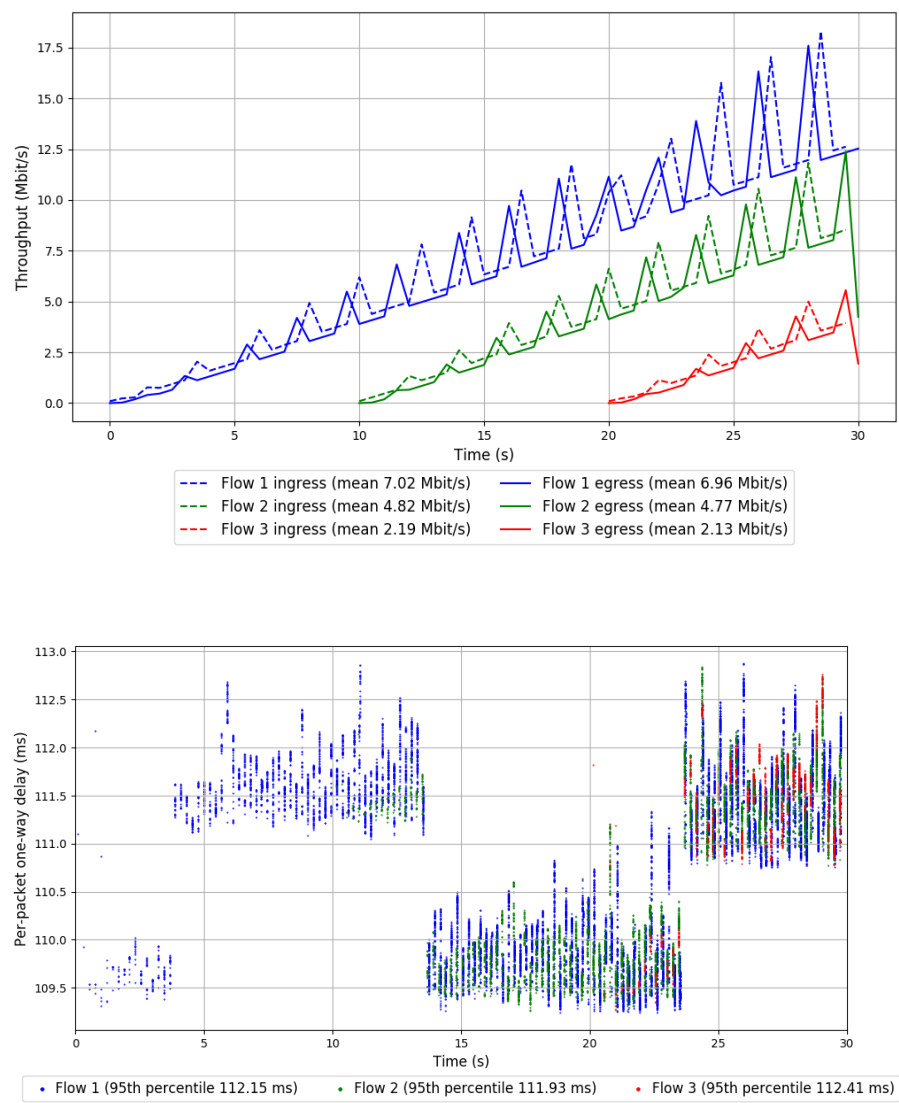


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 19:35:24
End at: 2018-07-18 19:35:54
Local clock offset: -0.163 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 112.153 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 111.933 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 4.65%

Run 9: Report of LEDBAT — Data Link

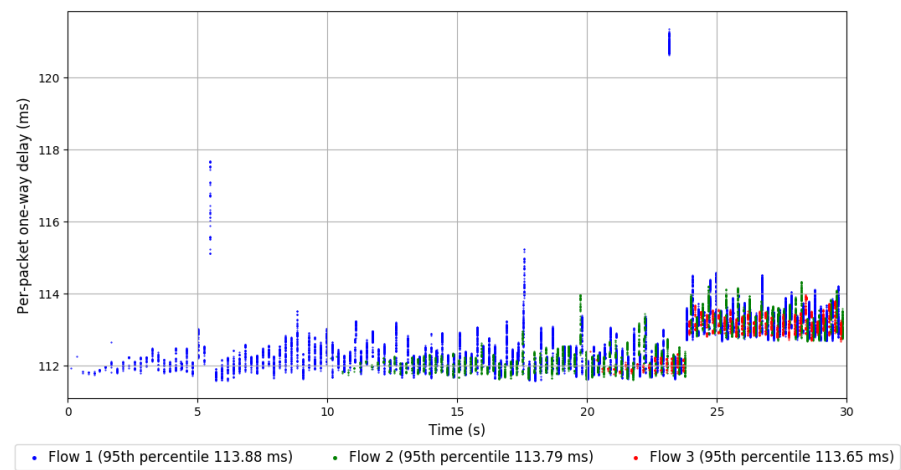
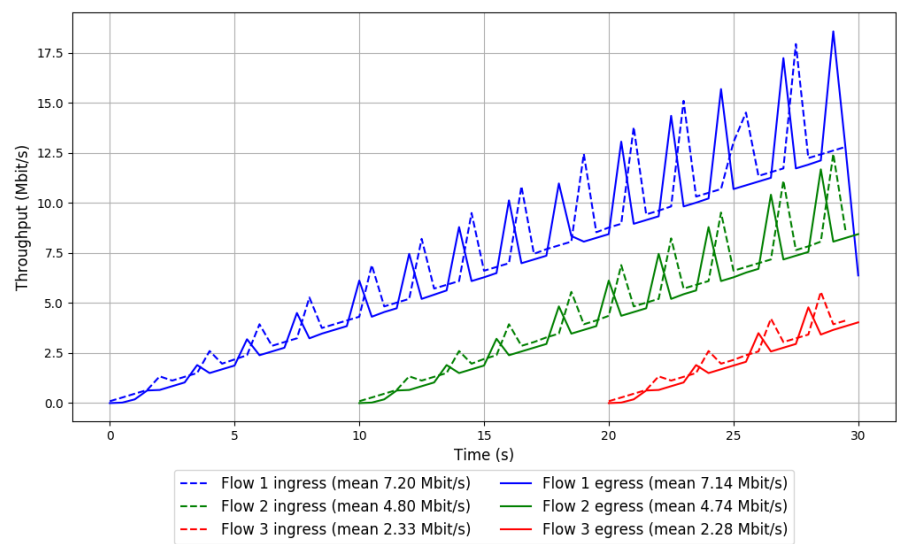


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 20:01:33
End at: 2018-07-18 20:02:03
Local clock offset: 0.011 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 113.823 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 113.880 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 113.793 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 113.649 ms
Loss rate: 4.53%

Run 10: Report of LEDBAT — Data Link

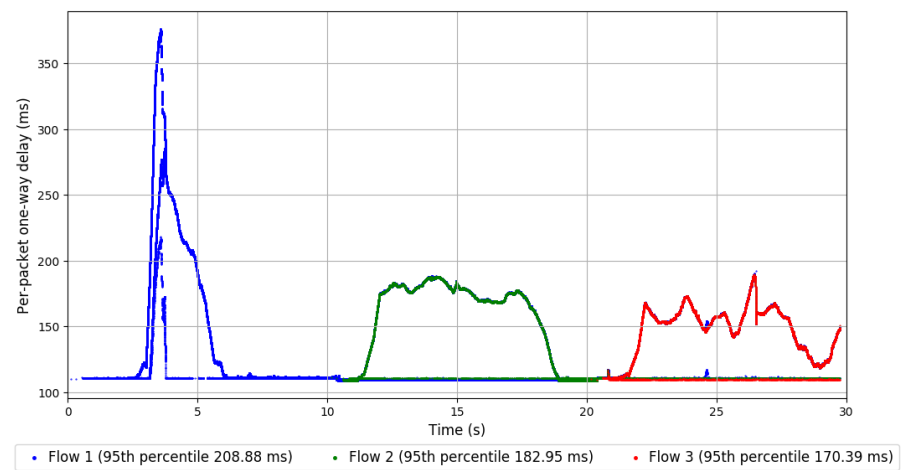
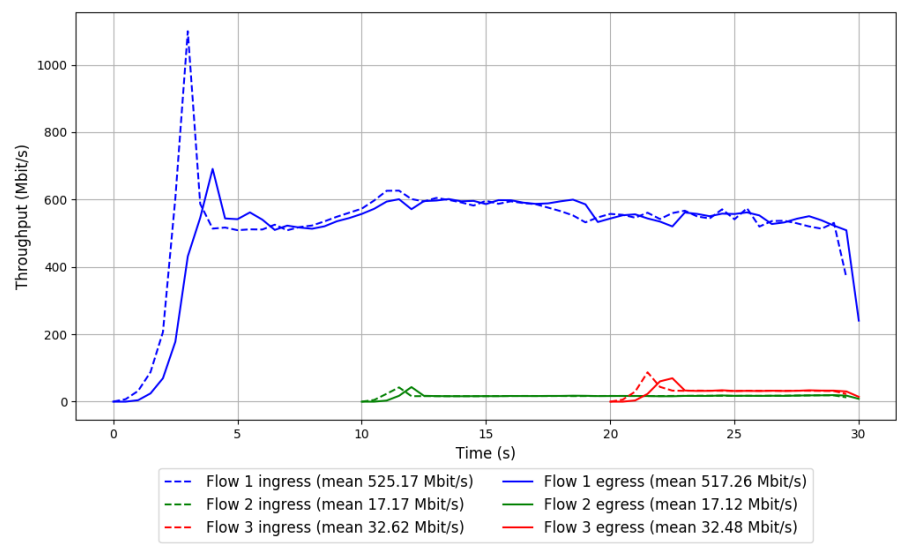


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 15:51:07
End at: 2018-07-18 15:51:37
Local clock offset: -0.345 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.06 Mbit/s
95th percentile per-packet one-way delay: 207.858 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 517.26 Mbit/s
95th percentile per-packet one-way delay: 208.877 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 182.948 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 170.394 ms
Loss rate: 2.67%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 16:17:32

End at: 2018-07-18 16:18:02

Local clock offset: 0.157 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-07-18 21:54:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 508.11 Mbit/s

95th percentile per-packet one-way delay: 230.356 ms

Loss rate: 1.83%

-- Flow 1:

Average throughput: 466.09 Mbit/s

95th percentile per-packet one-way delay: 230.678 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 230.177 ms

Loss rate: 1.33%

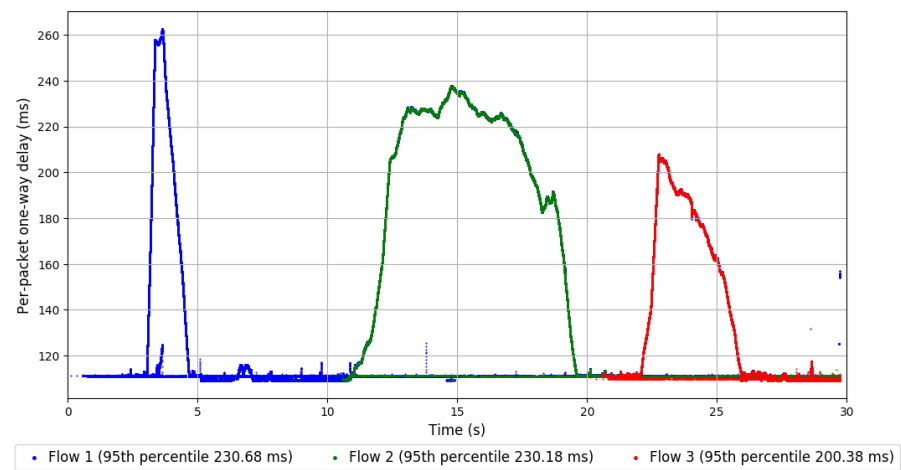
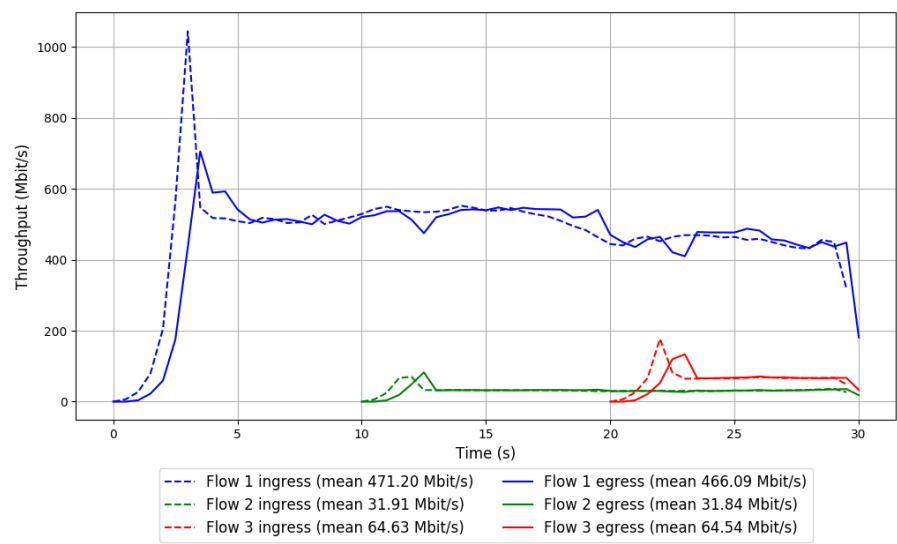
-- Flow 3:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 200.377 ms

Loss rate: 2.40%

Run 2: Report of PCC-Allegro — Data Link

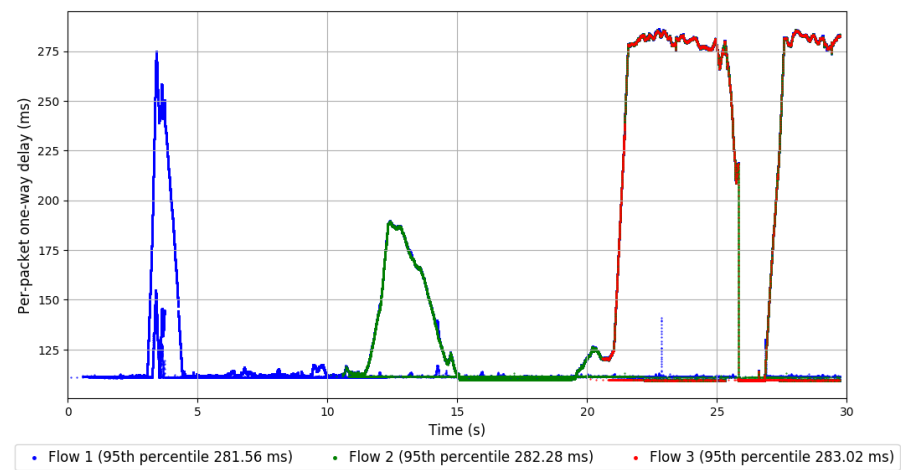
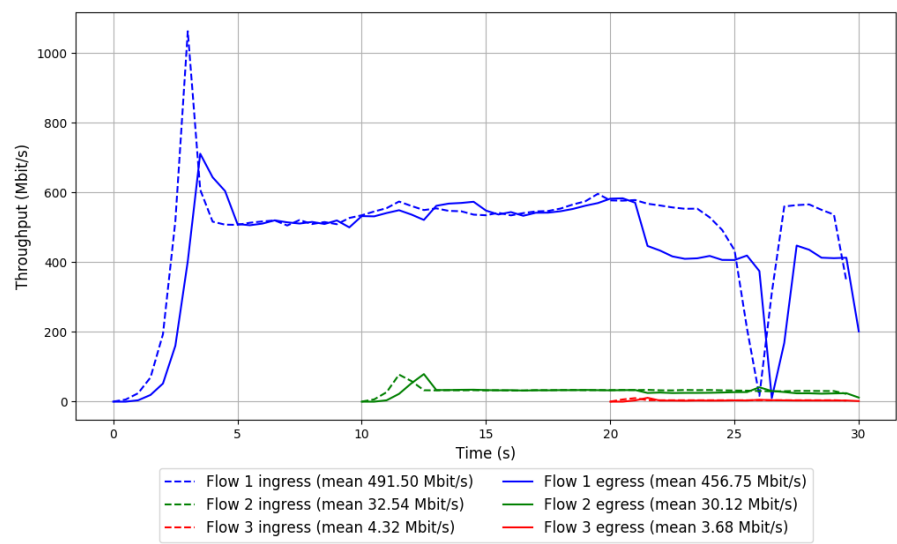


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 16:43:45
End at: 2018-07-18 16:44:15
Local clock offset: -0.056 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.87 Mbit/s
95th percentile per-packet one-way delay: 281.590 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 456.75 Mbit/s
95th percentile per-packet one-way delay: 281.555 ms
Loss rate: 7.77%
-- Flow 2:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 282.280 ms
Loss rate: 8.48%
-- Flow 3:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 283.022 ms
Loss rate: 16.67%

Run 3: Report of PCC-Allegro — Data Link

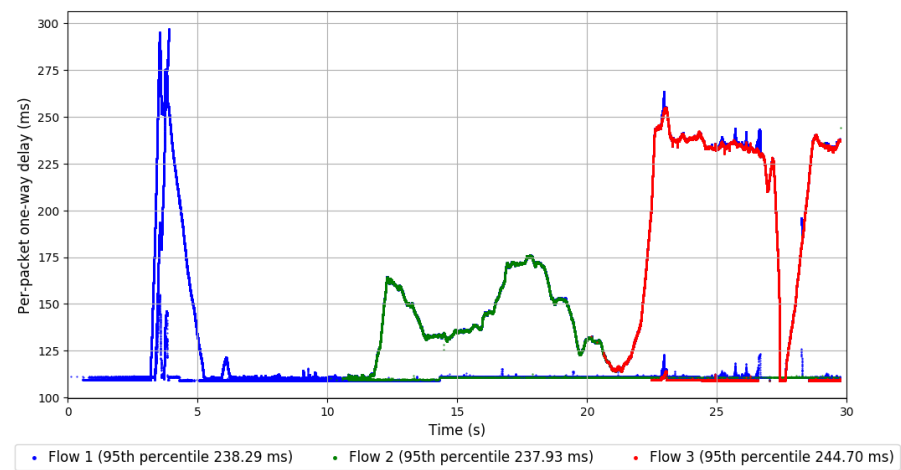
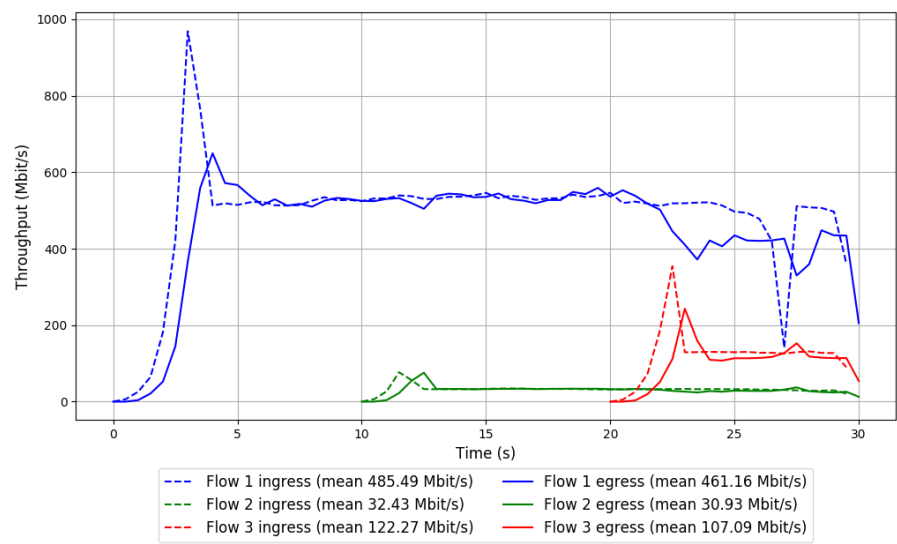


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 17:09:53
End at: 2018-07-18 17:10:23
Local clock offset: -0.279 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-18 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 516.26 Mbit/s
95th percentile per-packet one-way delay: 238.784 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 461.16 Mbit/s
95th percentile per-packet one-way delay: 238.291 ms
Loss rate: 5.72%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 237.929 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: 244.704 ms
Loss rate: 14.59%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 17:35:45

End at: 2018-07-18 17:36:15

Local clock offset: 0.093 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-18 21:54:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 475.43 Mbit/s

95th percentile per-packet one-way delay: 276.093 ms

Loss rate: 6.29%

-- Flow 1:

Average throughput: 434.26 Mbit/s

95th percentile per-packet one-way delay: 275.906 ms

Loss rate: 6.17%

-- Flow 2:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 277.906 ms

Loss rate: 7.43%

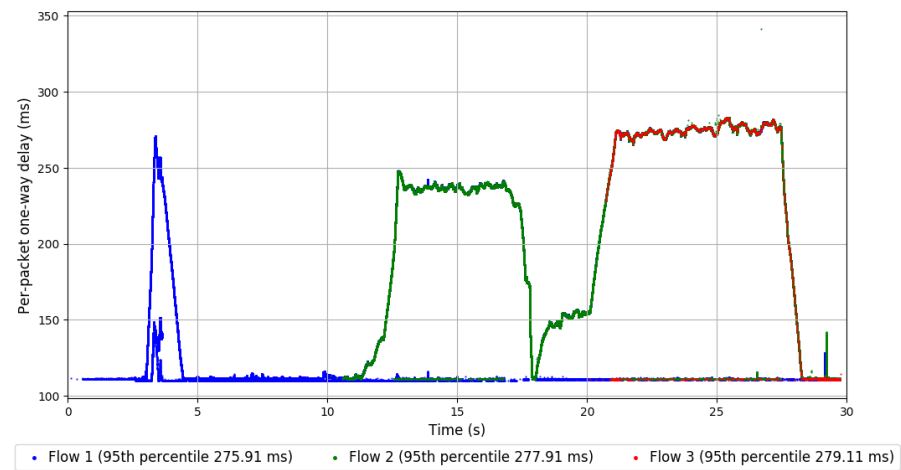
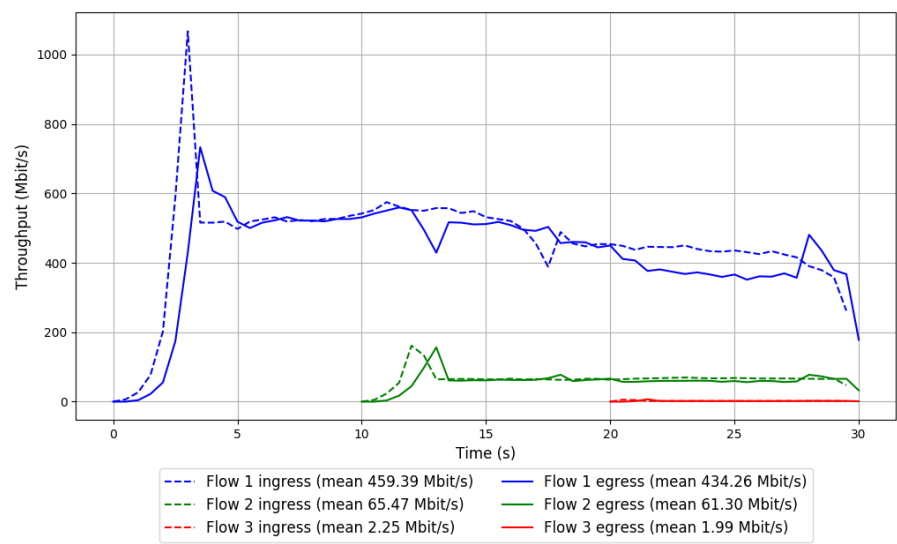
-- Flow 3:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 279.111 ms

Loss rate: 13.64%

Run 5: Report of PCC-Allegro — Data Link

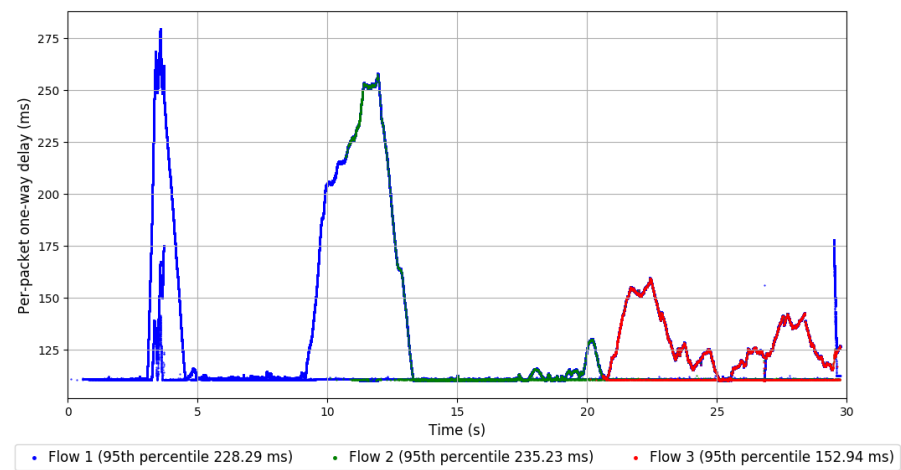
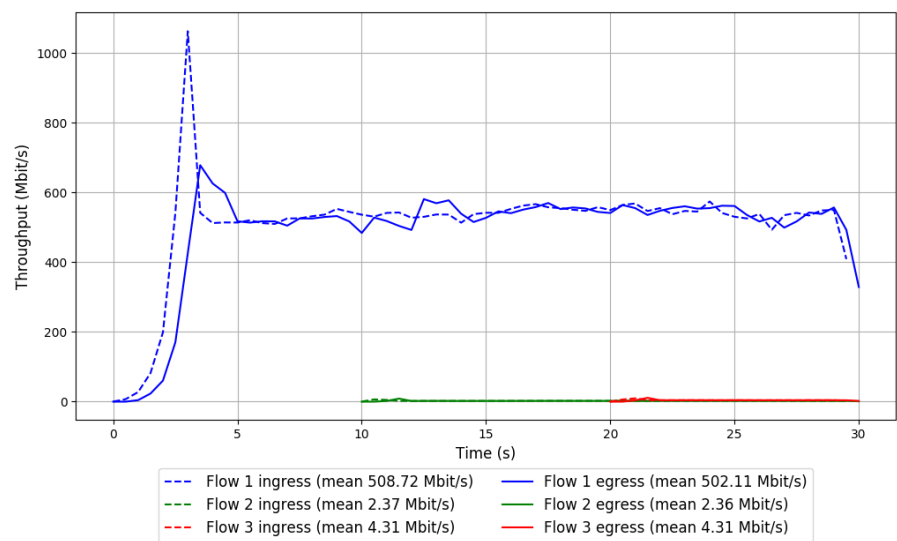


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 18:02:08
End at: 2018-07-18 18:02:38
Local clock offset: -0.204 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-18 22:00:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.07 Mbit/s
95th percentile per-packet one-way delay: 228.271 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 502.11 Mbit/s
95th percentile per-packet one-way delay: 228.287 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 235.232 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 152.937 ms
Loss rate: 2.25%

Run 6: Report of PCC-Allegro — Data Link

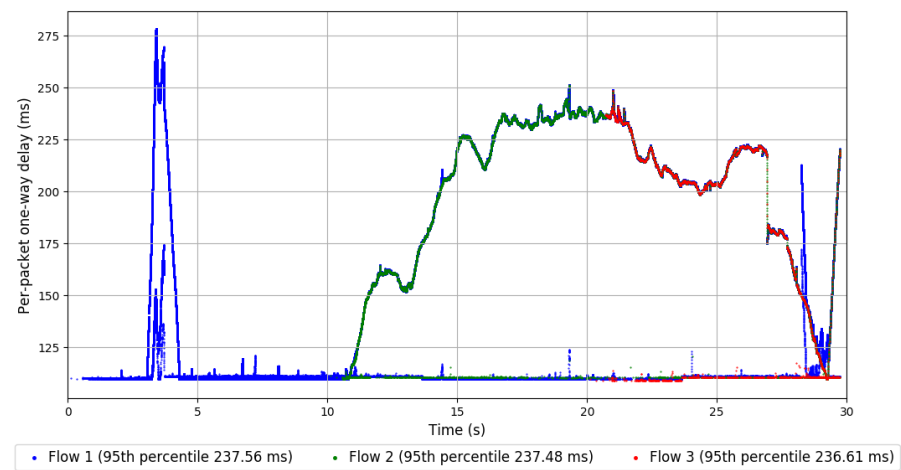
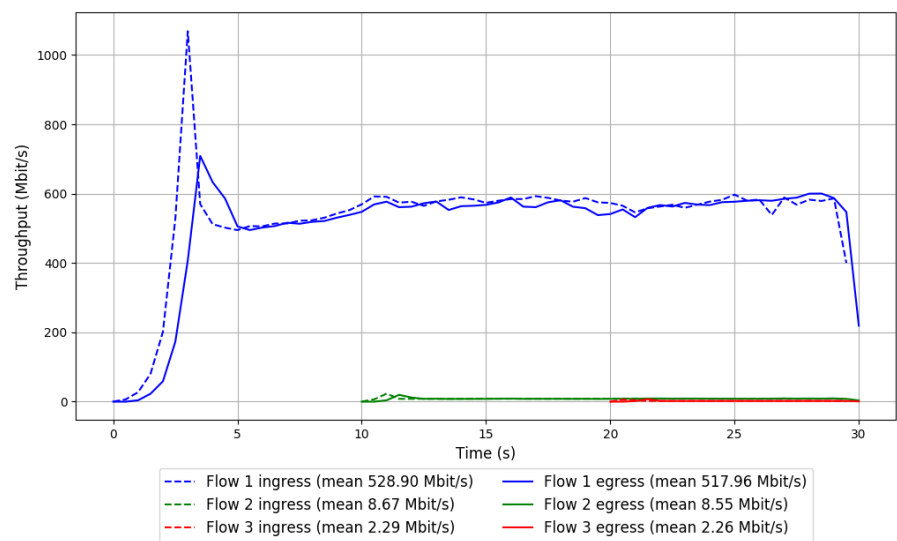


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 18:28:24
End at: 2018-07-18 18:28:54
Local clock offset: -0.298 ms
Remote clock offset: -0.132 ms

```
# Below is generated by plot.py at 2018-07-18 22:01:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.35 Mbit/s
95th percentile per-packet one-way delay: 237.552 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 517.96 Mbit/s
95th percentile per-packet one-way delay: 237.555 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 237.476 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 236.612 ms
Loss rate: 3.51%
```


Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 18:54:41

End at: 2018-07-18 18:55:11

Local clock offset: -0.345 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-18 22:01:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 523.67 Mbit/s

95th percentile per-packet one-way delay: 244.140 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 516.70 Mbit/s

95th percentile per-packet one-way delay: 244.135 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 243.780 ms

Loss rate: 2.28%

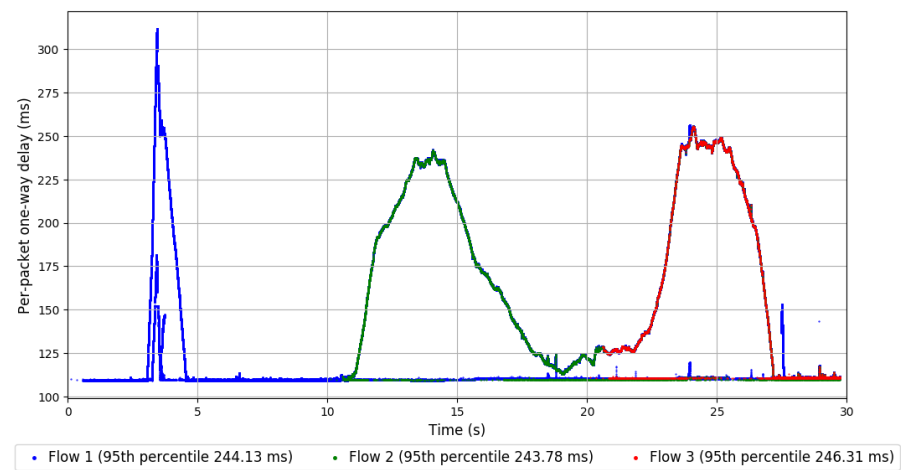
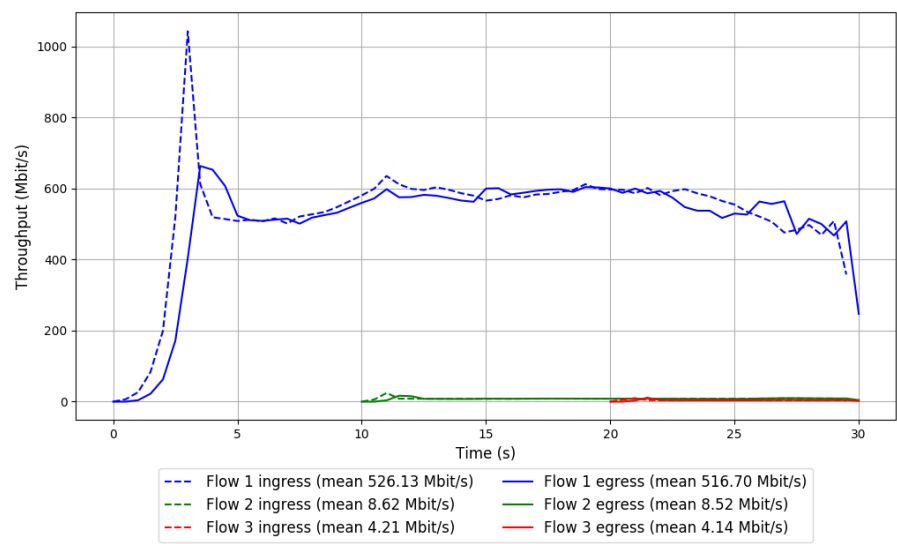
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 246.307 ms

Loss rate: 3.90%

Run 8: Report of PCC-Allegro — Data Link

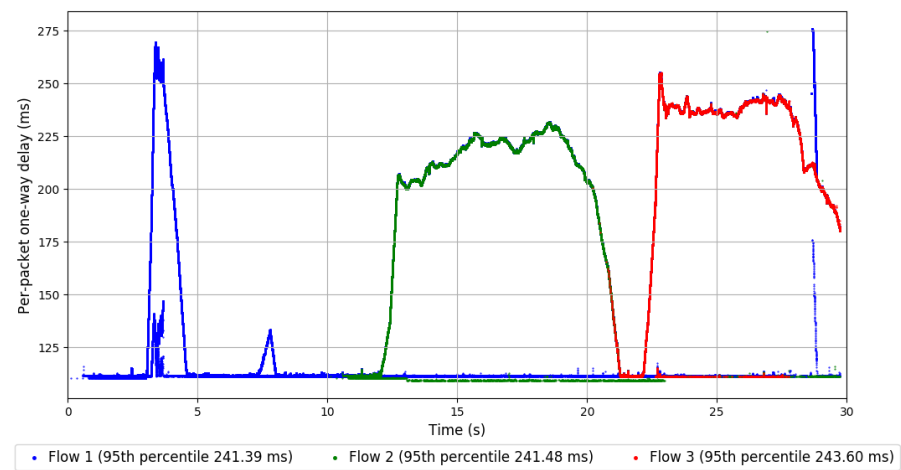
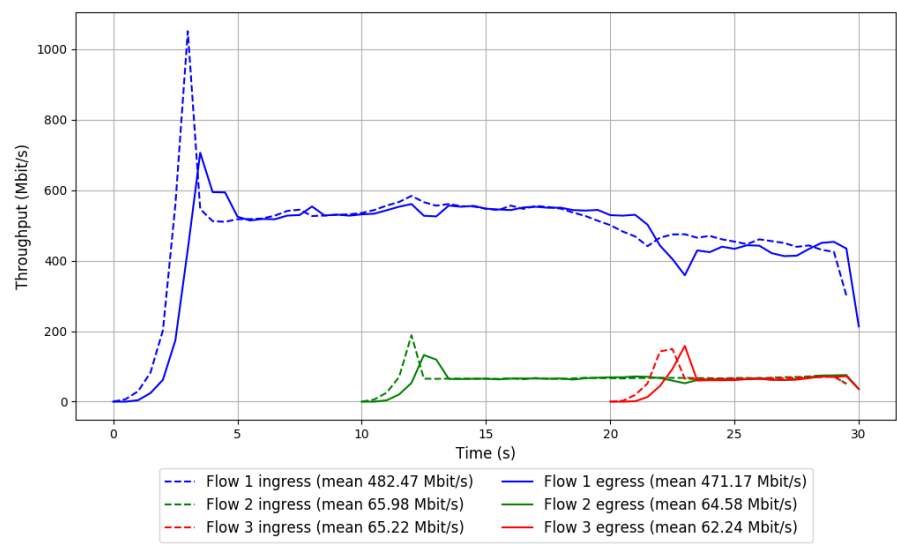


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 19:21:04
End at: 2018-07-18 19:21:34
Local clock offset: 0.0 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-18 22:01:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 533.91 Mbit/s
95th percentile per-packet one-way delay: 241.536 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 471.17 Mbit/s
95th percentile per-packet one-way delay: 241.393 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 241.480 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 243.600 ms
Loss rate: 7.61%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 19:47:05

End at: 2018-07-18 19:47:35

Local clock offset: -0.096 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-07-18 22:01:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.69 Mbit/s

95th percentile per-packet one-way delay: 266.604 ms

Loss rate: 3.47%

-- Flow 1:

Average throughput: 451.79 Mbit/s

95th percentile per-packet one-way delay: 266.349 ms

Loss rate: 3.47%

-- Flow 2:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 268.148 ms

Loss rate: 3.38%

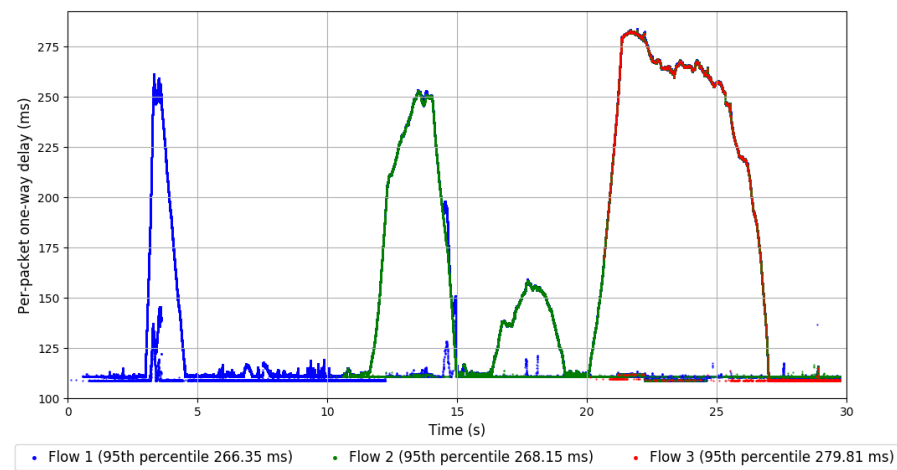
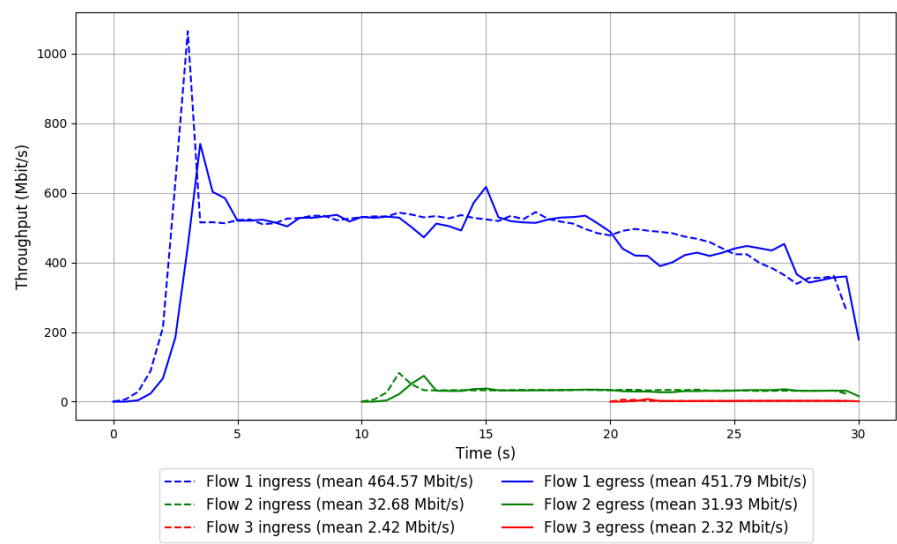
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 279.811 ms

Loss rate: 6.34%

Run 10: Report of PCC-Allegro — Data Link

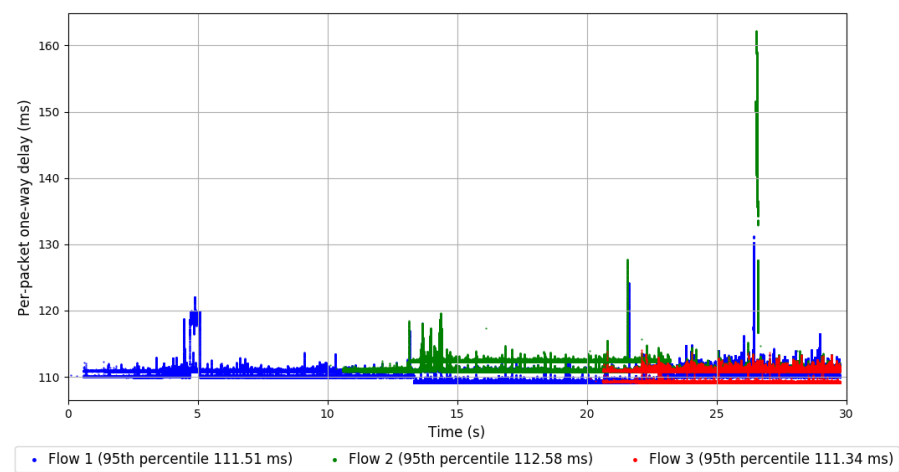
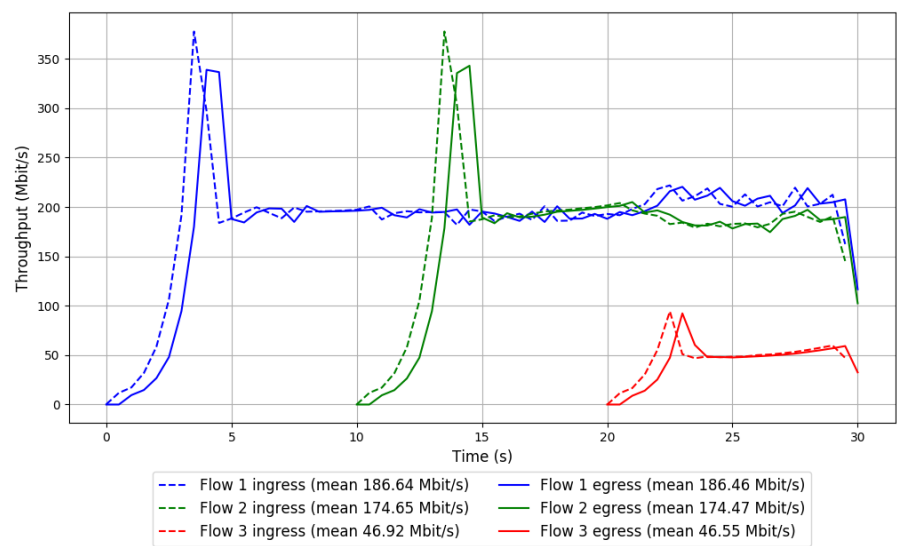


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 16:08:24
End at: 2018-07-18 16:08:54
Local clock offset: -0.169 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-07-18 22:03:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.18 Mbit/s
95th percentile per-packet one-way delay: 112.412 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 186.46 Mbit/s
95th percentile per-packet one-way delay: 111.513 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 174.47 Mbit/s
95th percentile per-packet one-way delay: 112.575 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 111.344 ms
Loss rate: 3.02%
```


Run 1: Report of PCC-Expr — Data Link

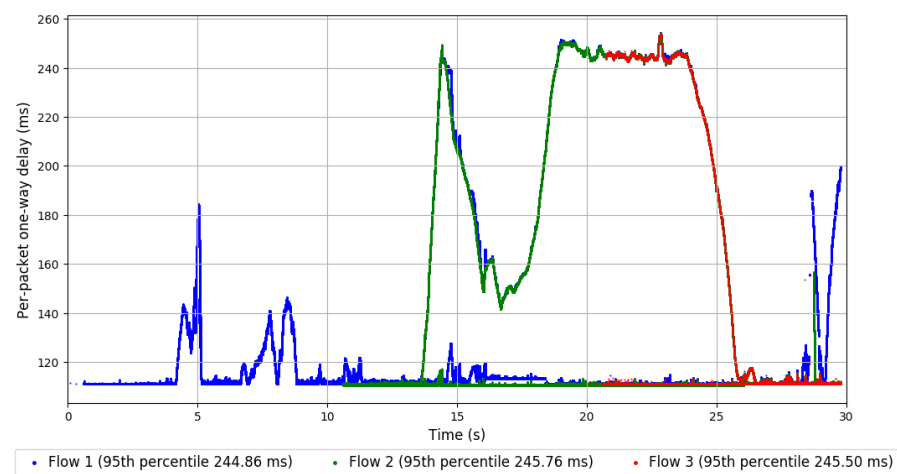
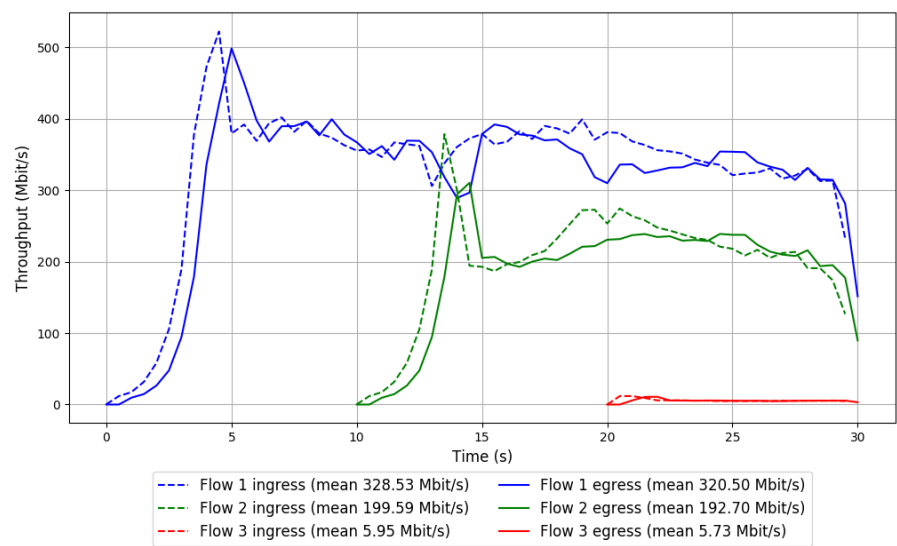


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 16:34:31
End at: 2018-07-18 16:35:01
Local clock offset: -0.234 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-18 22:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.06 Mbit/s
95th percentile per-packet one-way delay: 245.209 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 320.50 Mbit/s
95th percentile per-packet one-way delay: 244.856 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 192.70 Mbit/s
95th percentile per-packet one-way delay: 245.764 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 245.503 ms
Loss rate: 5.80%

Run 2: Report of PCC-Expr — Data Link

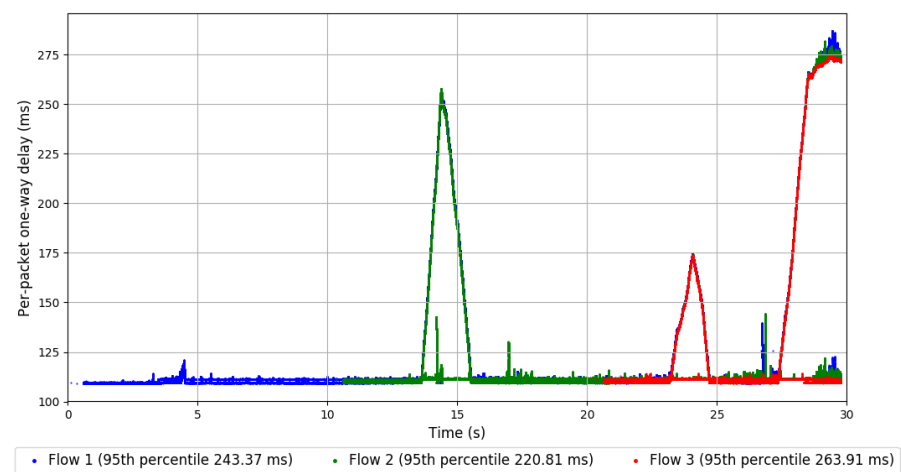
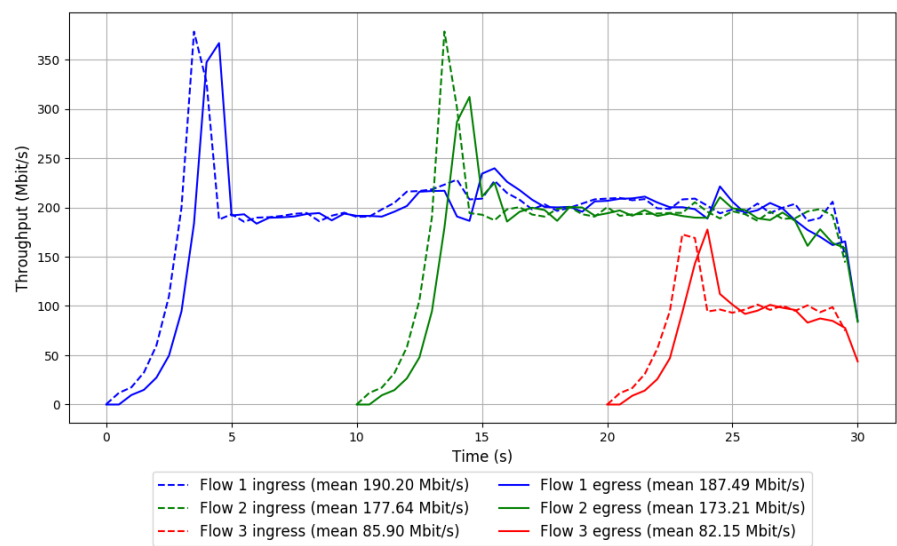


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 17:00:54
End at: 2018-07-18 17:01:24
Local clock offset: -0.174 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-18 22:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.93 Mbit/s
95th percentile per-packet one-way delay: 237.280 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 187.49 Mbit/s
95th percentile per-packet one-way delay: 243.369 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 173.21 Mbit/s
95th percentile per-packet one-way delay: 220.813 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 263.910 ms
Loss rate: 6.54%

Run 3: Report of PCC-Expr — Data Link

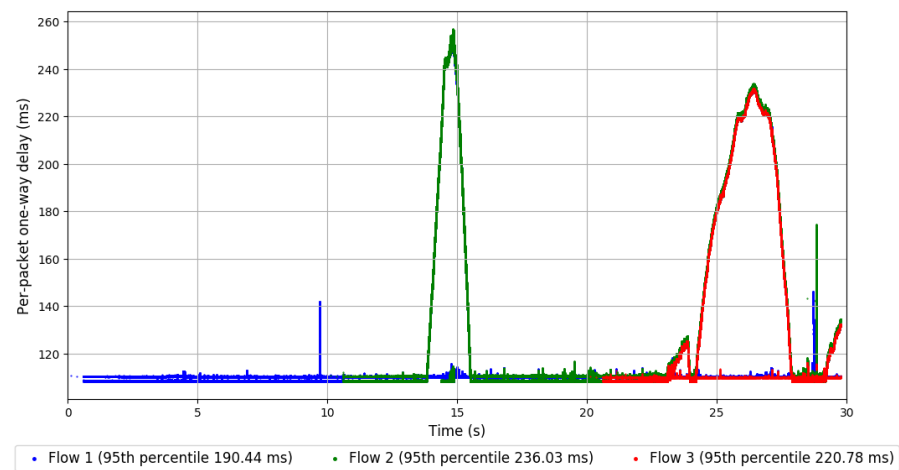
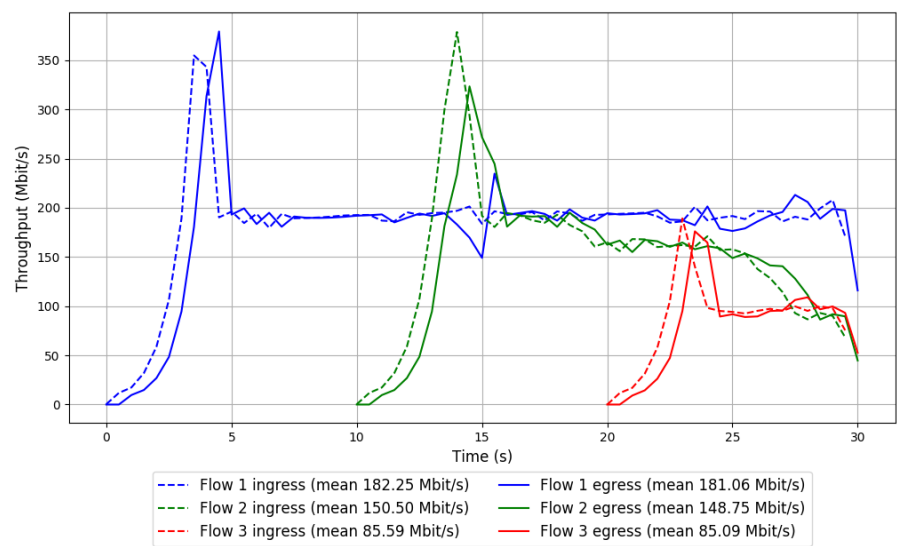


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 17:26:55
End at: 2018-07-18 17:27:25
Local clock offset: -1.132 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-18 22:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.30 Mbit/s
95th percentile per-packet one-way delay: 221.398 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 181.06 Mbit/s
95th percentile per-packet one-way delay: 190.441 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 148.75 Mbit/s
95th percentile per-packet one-way delay: 236.035 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 220.778 ms
Loss rate: 2.83%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 17:52:59

End at: 2018-07-18 17:53:29

Local clock offset: -0.377 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-18 22:13:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.37 Mbit/s

95th percentile per-packet one-way delay: 245.917 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 291.23 Mbit/s

95th percentile per-packet one-way delay: 243.815 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 164.00 Mbit/s

95th percentile per-packet one-way delay: 258.208 ms

Loss rate: 1.56%

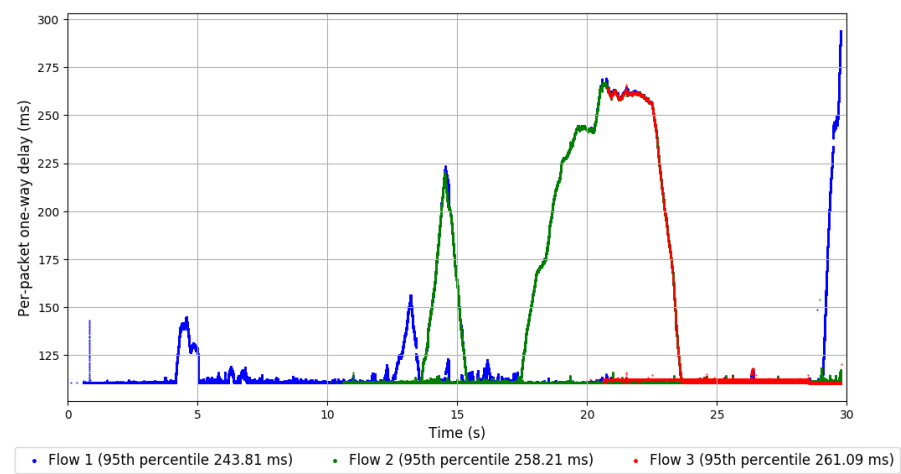
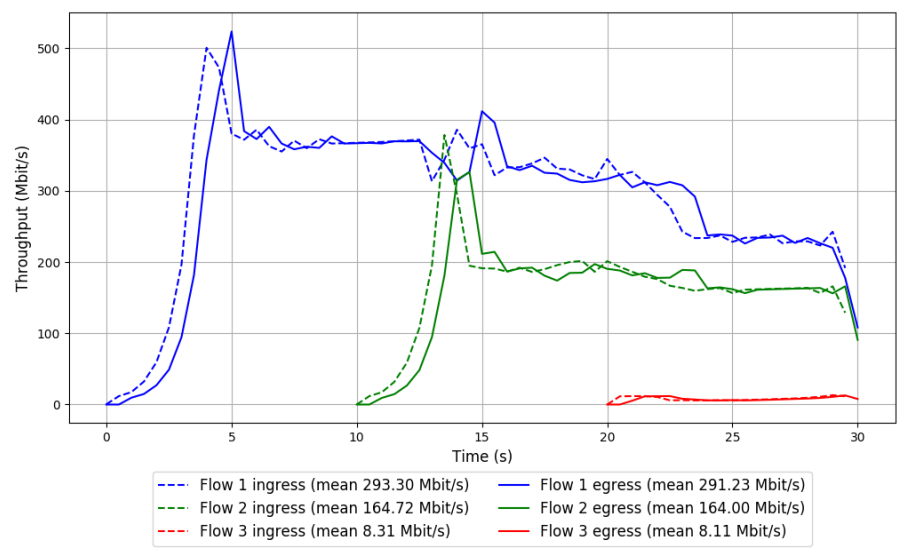
-- Flow 3:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 261.092 ms

Loss rate: 4.57%

Run 5: Report of PCC-Expr — Data Link

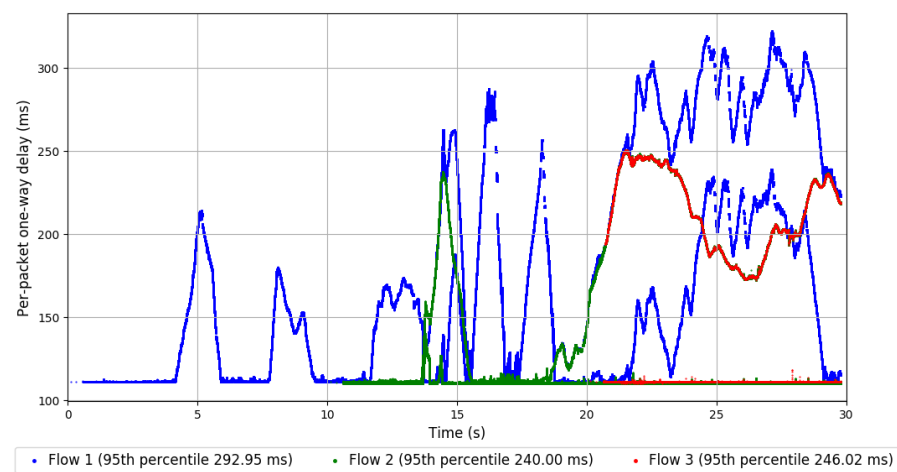
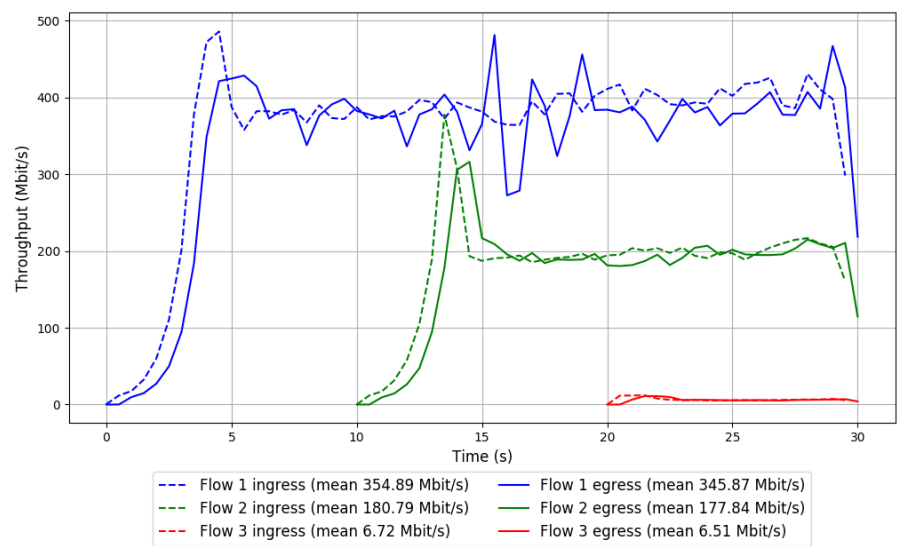


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 18:19:09
End at: 2018-07-18 18:19:39
Local clock offset: -0.341 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-07-18 22:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.81 Mbit/s
95th percentile per-packet one-way delay: 286.008 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 345.87 Mbit/s
95th percentile per-packet one-way delay: 292.948 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 177.84 Mbit/s
95th percentile per-packet one-way delay: 239.999 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 246.020 ms
Loss rate: 5.30%

Run 6: Report of PCC-Expr — Data Link

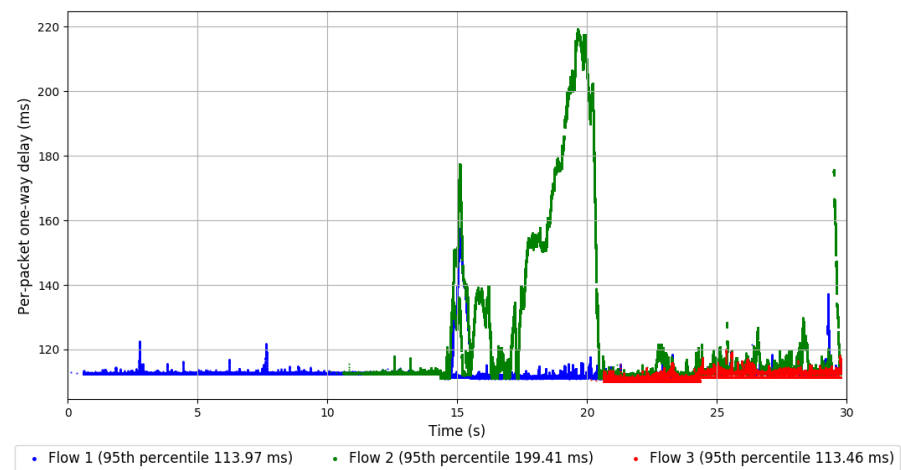
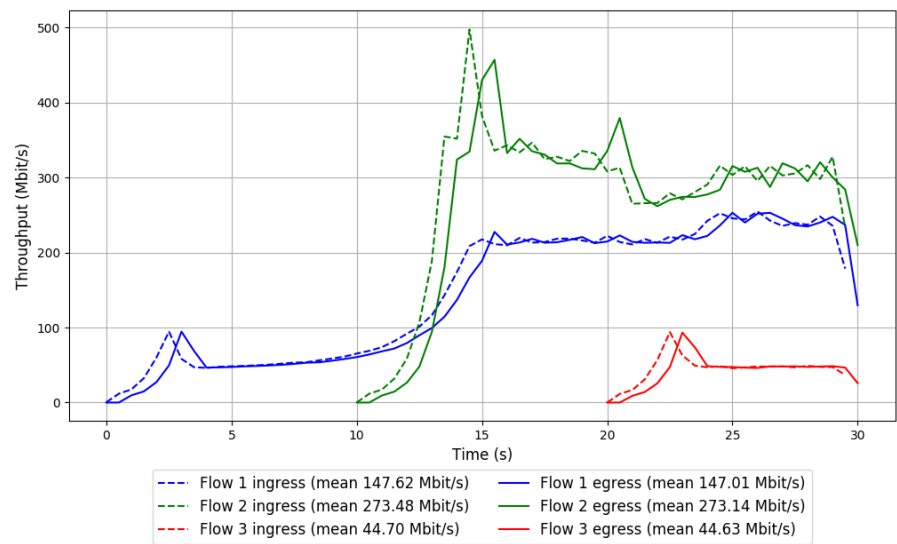


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 18:45:23
End at: 2018-07-18 18:45:53
Local clock offset: 1.238 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-18 22:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.48 Mbit/s
95th percentile per-packet one-way delay: 174.601 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 147.01 Mbit/s
95th percentile per-packet one-way delay: 113.968 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 273.14 Mbit/s
95th percentile per-packet one-way delay: 199.410 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 44.63 Mbit/s
95th percentile per-packet one-way delay: 113.464 ms
Loss rate: 2.45%

Run 7: Report of PCC-Expr — Data Link

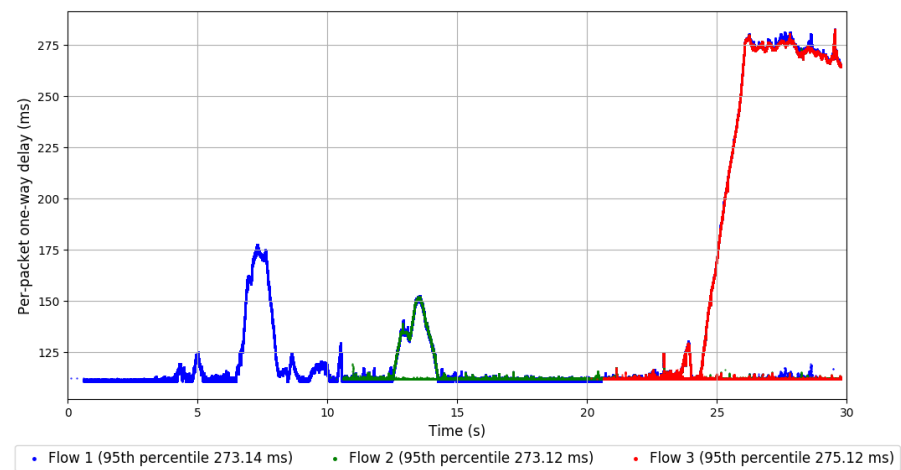
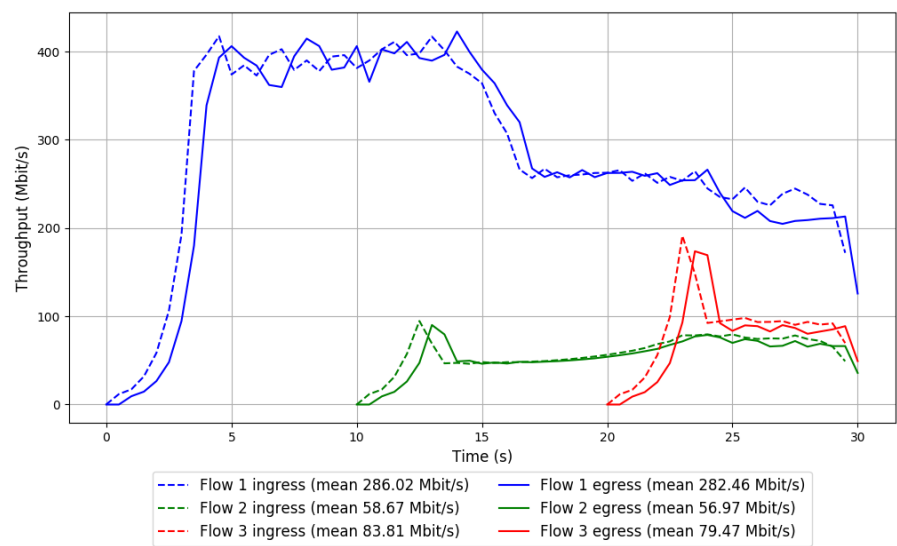


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 19:11:57
End at: 2018-07-18 19:12:27
Local clock offset: 0.171 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-07-18 22:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.01 Mbit/s
95th percentile per-packet one-way delay: 273.301 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 282.46 Mbit/s
95th percentile per-packet one-way delay: 273.144 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 273.122 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 275.118 ms
Loss rate: 7.35%

Run 8: Report of PCC-Expr — Data Link

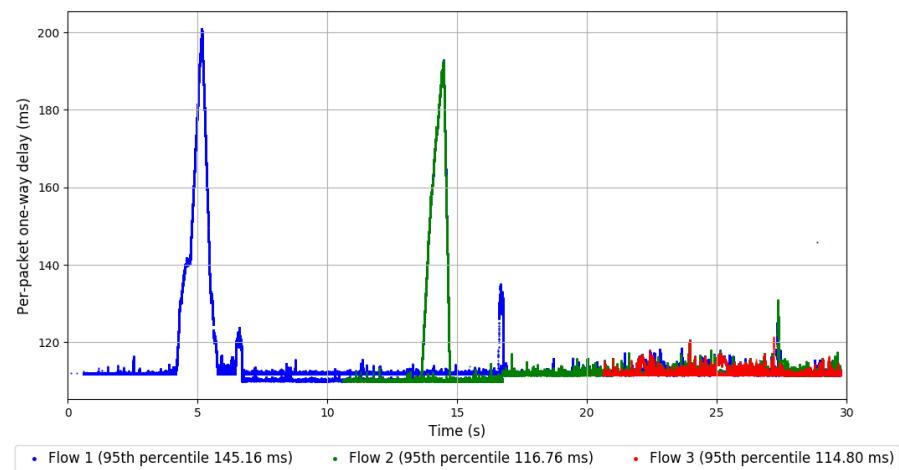
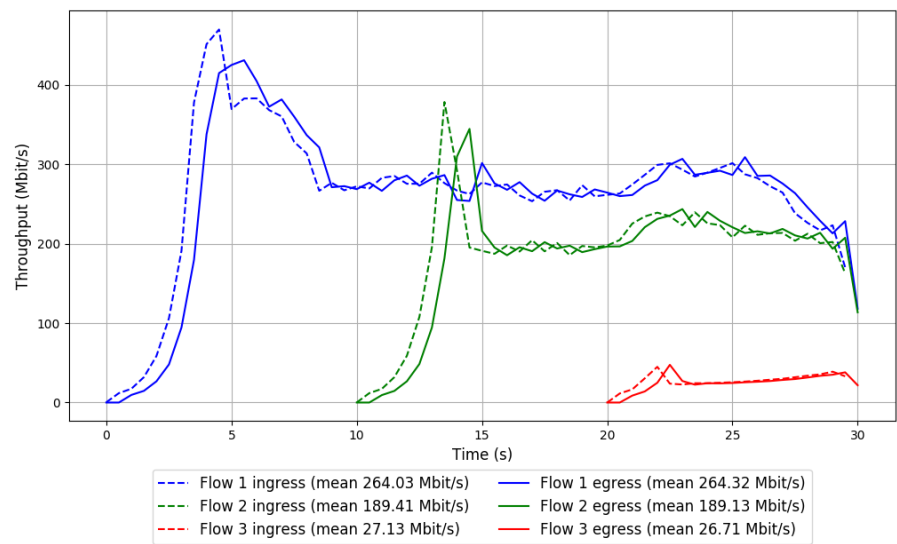


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 19:37:51
End at: 2018-07-18 19:38:21
Local clock offset: 0.173 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.29 Mbit/s
95th percentile per-packet one-way delay: 140.514 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 264.32 Mbit/s
95th percentile per-packet one-way delay: 145.156 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 189.13 Mbit/s
95th percentile per-packet one-way delay: 116.757 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 114.795 ms
Loss rate: 3.76%

Run 9: Report of PCC-Expr — Data Link

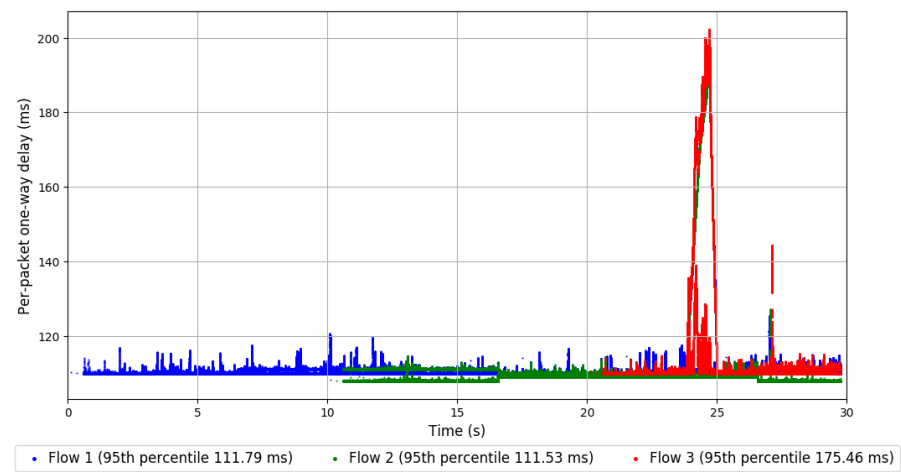
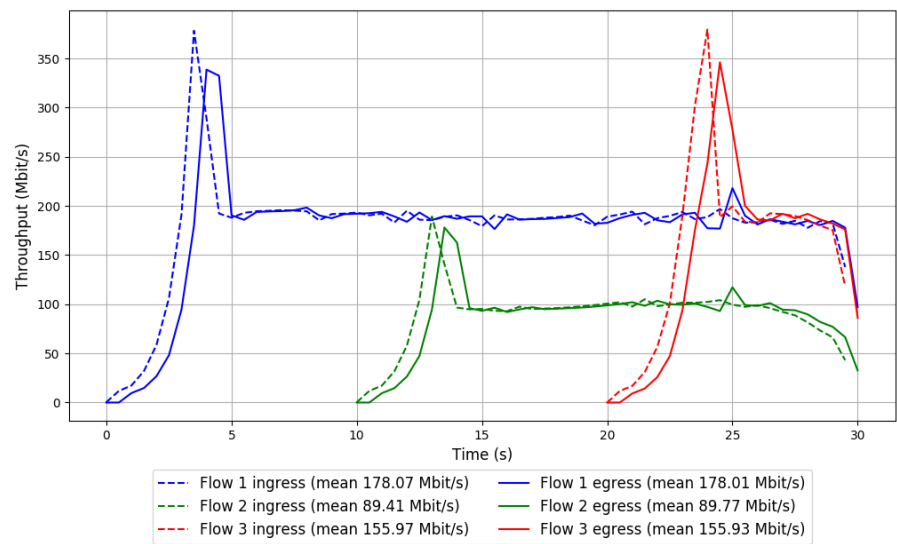


Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 20:04:01
End at: 2018-07-18 20:04:31
Local clock offset: -1.393 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.18 Mbit/s
95th percentile per-packet one-way delay: 117.241 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 111.527 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 155.93 Mbit/s
95th percentile per-packet one-way delay: 175.456 ms
Loss rate: 2.30%

Run 10: Report of PCC-Expr — Data Link

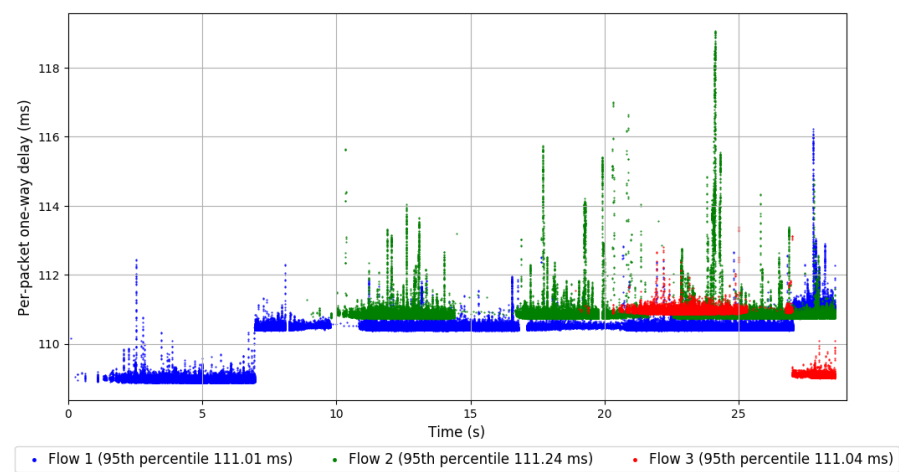
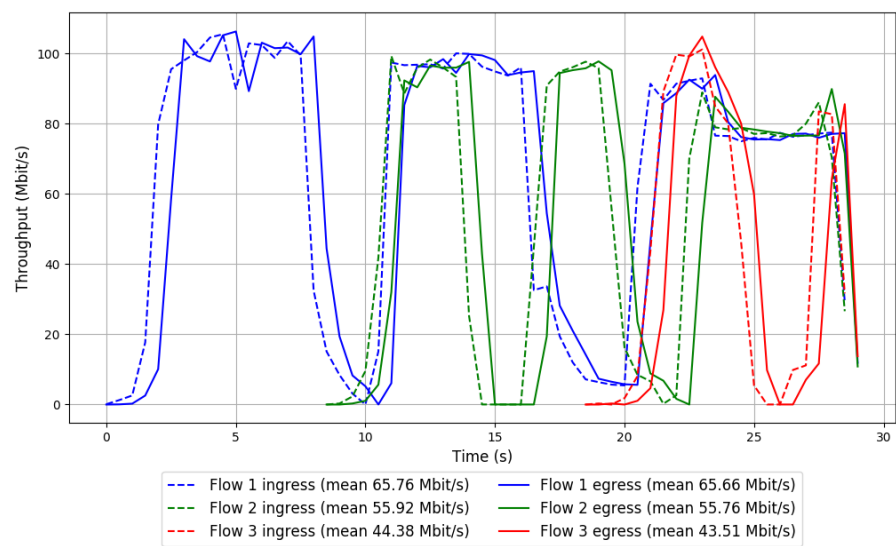


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 15:56:29
End at: 2018-07-18 15:56:59
Local clock offset: -0.338 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 111.046 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 65.66 Mbit/s
95th percentile per-packet one-way delay: 111.013 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 55.76 Mbit/s
95th percentile per-packet one-way delay: 111.241 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 111.042 ms
Loss rate: 4.17%

Run 1: Report of QUIC Cubic — Data Link

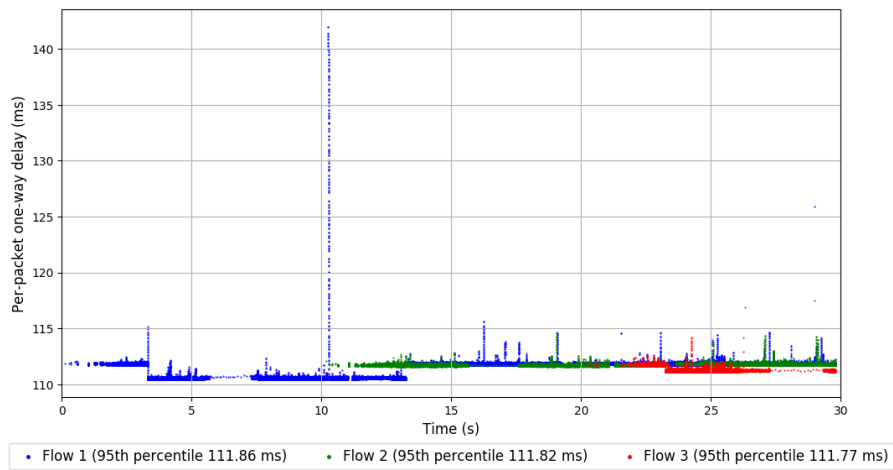
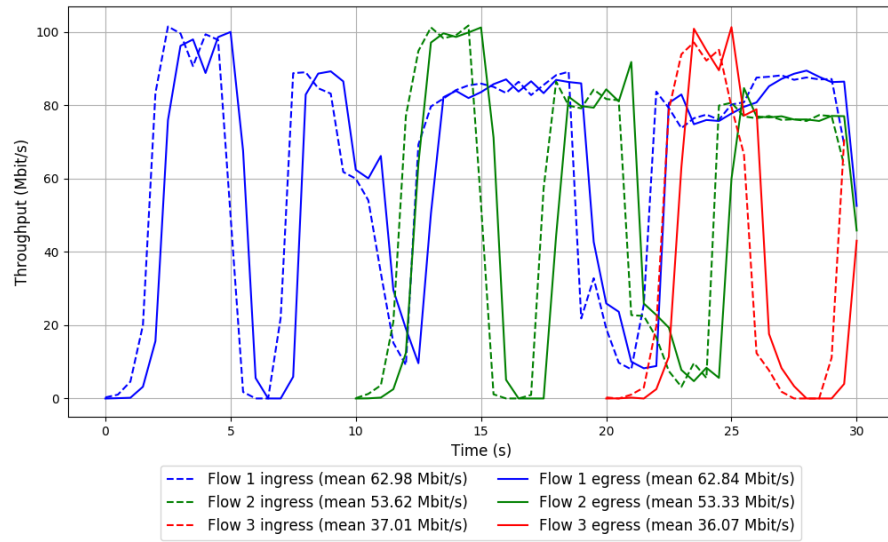


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 16:22:54
End at: 2018-07-18 16:23:24
Local clock offset: 0.02 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.85 Mbit/s
95th percentile per-packet one-way delay: 111.851 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 111.865 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 111.822 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 111.768 ms
Loss rate: 4.77%

Run 2: Report of QUIC Cubic — Data Link

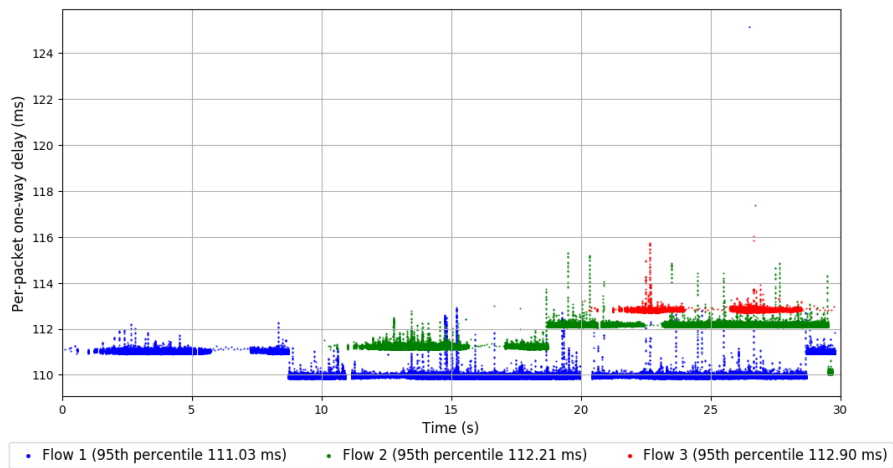
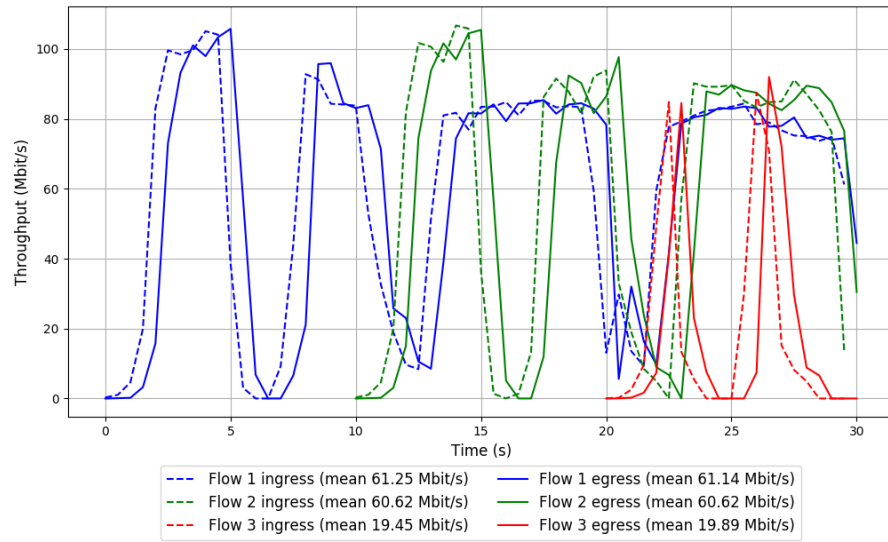


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 16:49:08
End at: 2018-07-18 16:49:38
Local clock offset: -0.077 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.56 Mbit/s
95th percentile per-packet one-way delay: 112.758 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 111.030 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 112.899 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

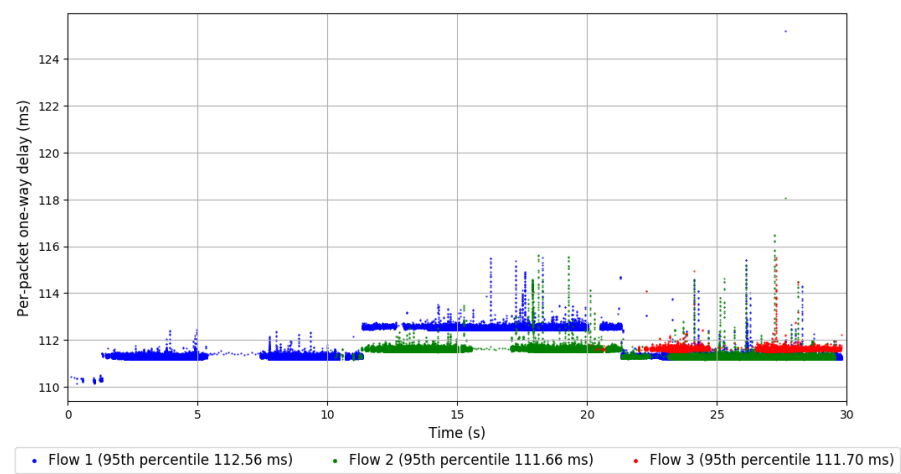
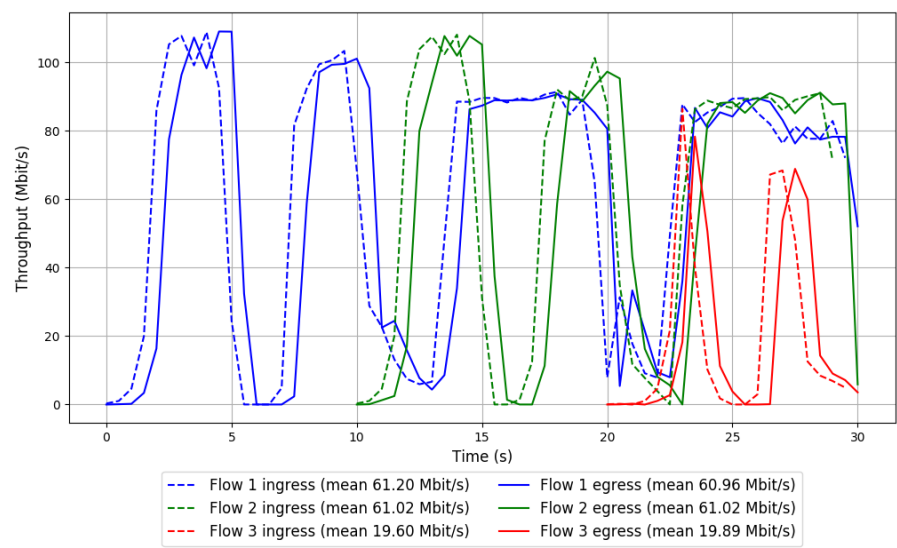


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 17:15:16
End at: 2018-07-18 17:15:46
Local clock offset: 0.198 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.35 Mbit/s
95th percentile per-packet one-way delay: 112.533 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 112.557 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 111.657 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 111.703 ms
Loss rate: 0.74%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 17:41:08

End at: 2018-07-18 17:41:38

Local clock offset: 0.093 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-18 22:16:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.65 Mbit/s

95th percentile per-packet one-way delay: 111.440 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 59.55 Mbit/s

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

Loss rate: 0.89%

-- Flow 2:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 110.252 ms

Loss rate: 1.55%

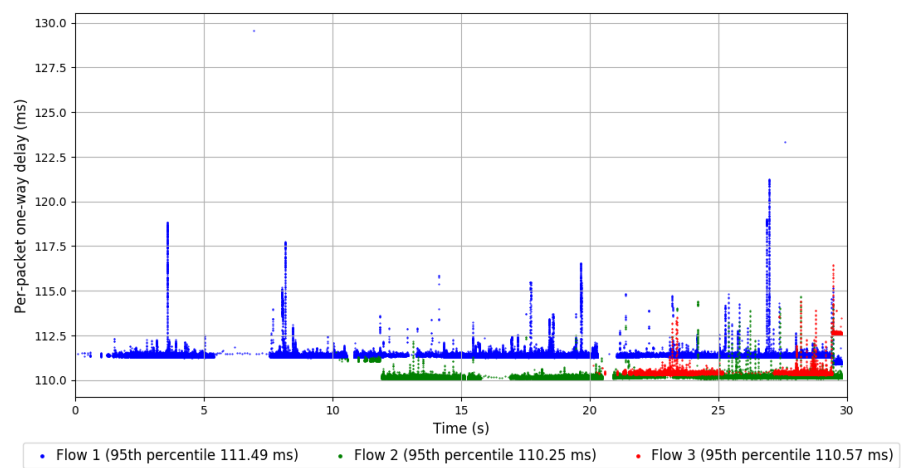
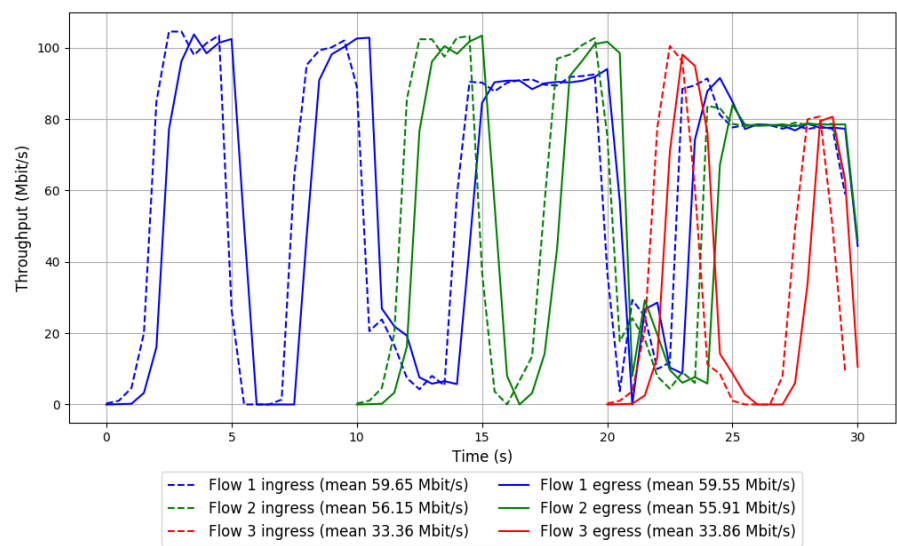
-- Flow 3:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 110.567 ms

Loss rate: 0.54%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 18:07:32

End at: 2018-07-18 18:08:02

Local clock offset: -0.183 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-18 22:16:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.21 Mbit/s

95th percentile per-packet one-way delay: 112.296 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 54.12 Mbit/s

95th percentile per-packet one-way delay: 112.341 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 53.38 Mbit/s

95th percentile per-packet one-way delay: 110.921 ms

Loss rate: 1.66%

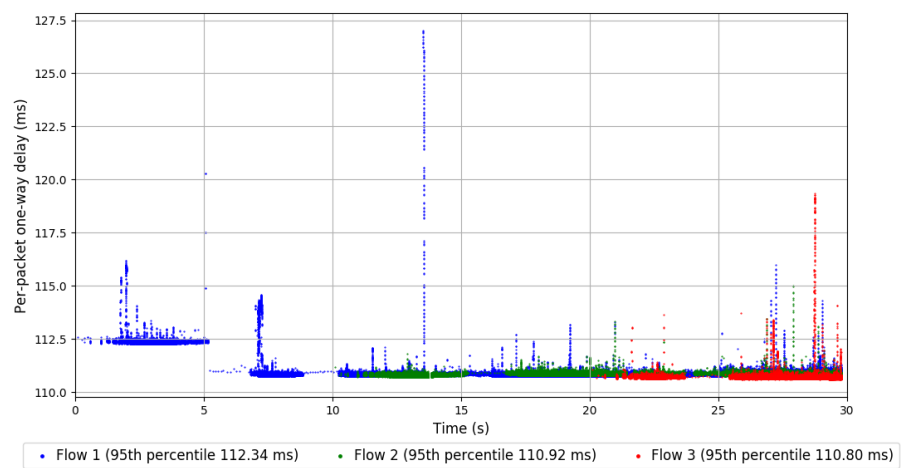
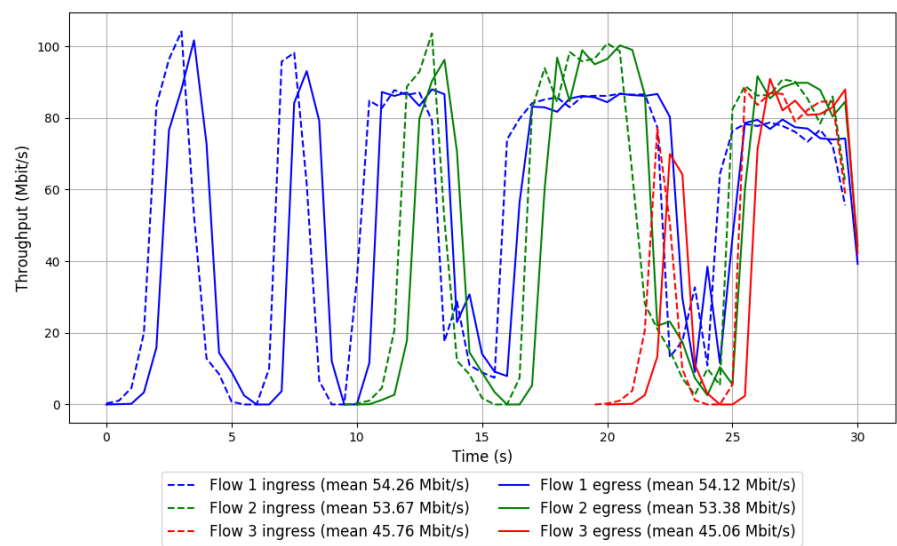
-- Flow 3:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 3.71%

Run 6: Report of QUIC Cubic — Data Link

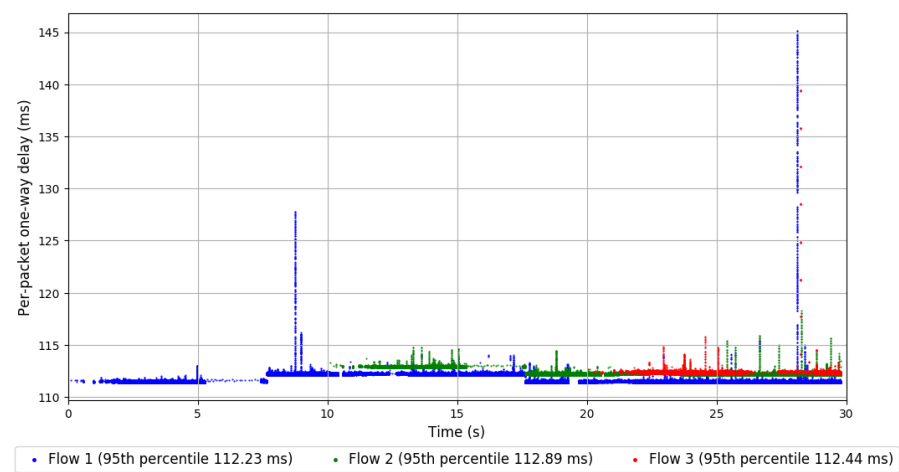
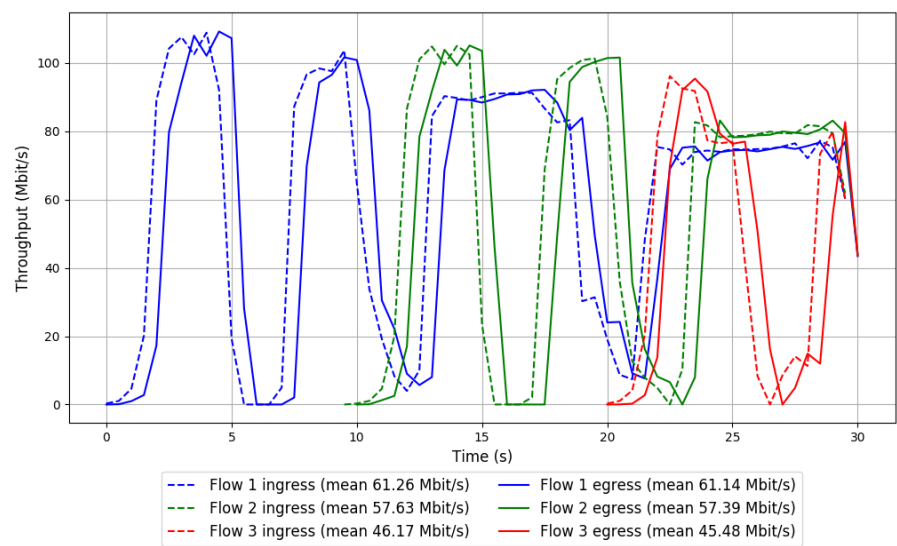


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 18:33:40
End at: 2018-07-18 18:34:10
Local clock offset: 1.202 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-18 22:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 112.847 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 112.233 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 112.893 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 112.443 ms
Loss rate: 3.70%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 19:00:00

End at: 2018-07-18 19:00:30

Local clock offset: 1.268 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-18 22:16:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.24 Mbit/s

95th percentile per-packet one-way delay: 112.286 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 59.33 Mbit/s

95th percentile per-packet one-way delay: 112.313 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 56.37 Mbit/s

95th percentile per-packet one-way delay: 111.945 ms

Loss rate: 1.76%

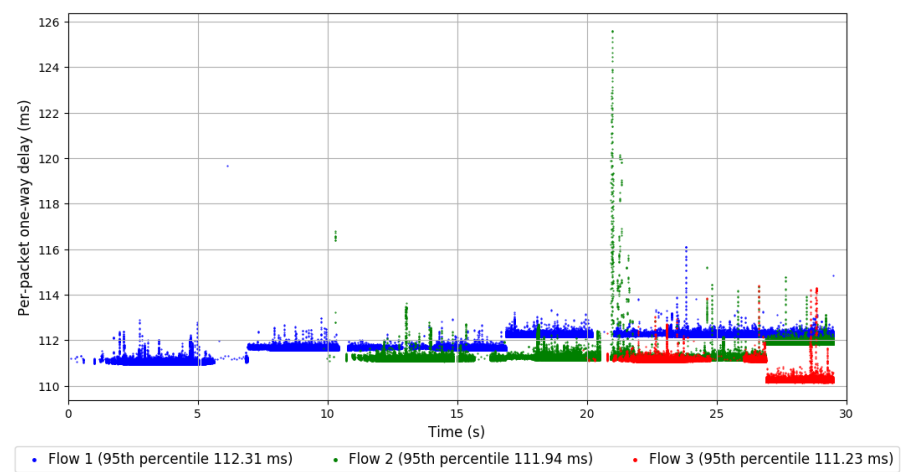
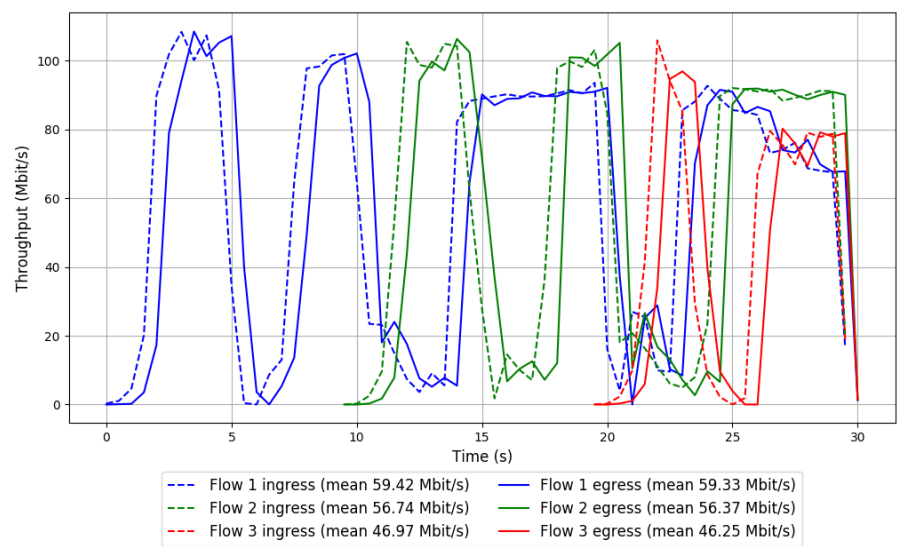
-- Flow 3:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 111.232 ms

Loss rate: 3.74%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 19:26:05

End at: 2018-07-18 19:26:35

Local clock offset: -1.545 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-07-18 22:16:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 102.99 Mbit/s

95th percentile per-packet one-way delay: 109.427 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 55.23 Mbit/s

95th percentile per-packet one-way delay: 109.231 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 54.15 Mbit/s

95th percentile per-packet one-way delay: 109.495 ms

Loss rate: 1.56%

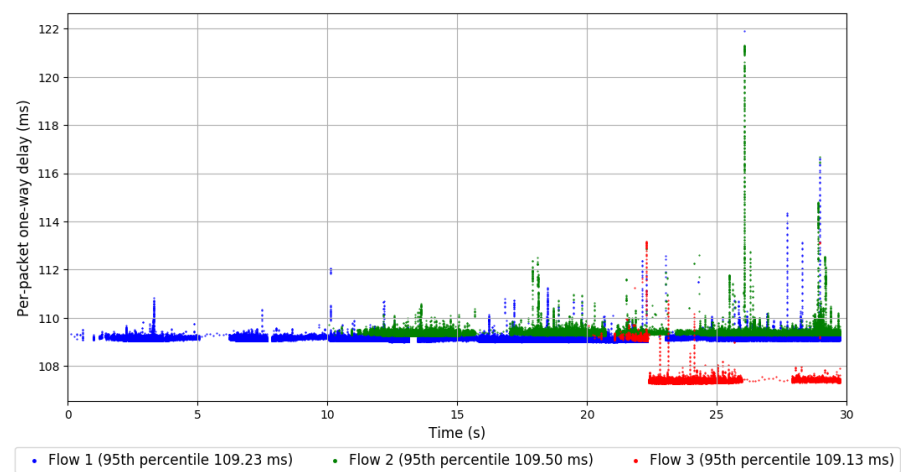
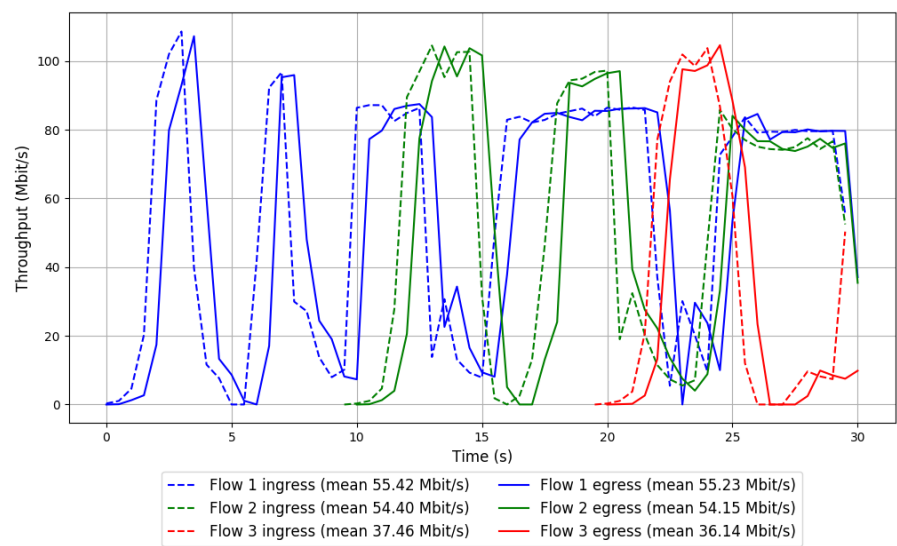
-- Flow 3:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 109.132 ms

Loss rate: 5.68%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 19:52:09

End at: 2018-07-18 19:52:39

Local clock offset: -0.112 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-18 22:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.02 Mbit/s

95th percentile per-packet one-way delay: 111.808 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 111.833 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 55.30 Mbit/s

95th percentile per-packet one-way delay: 111.399 ms

Loss rate: 1.64%

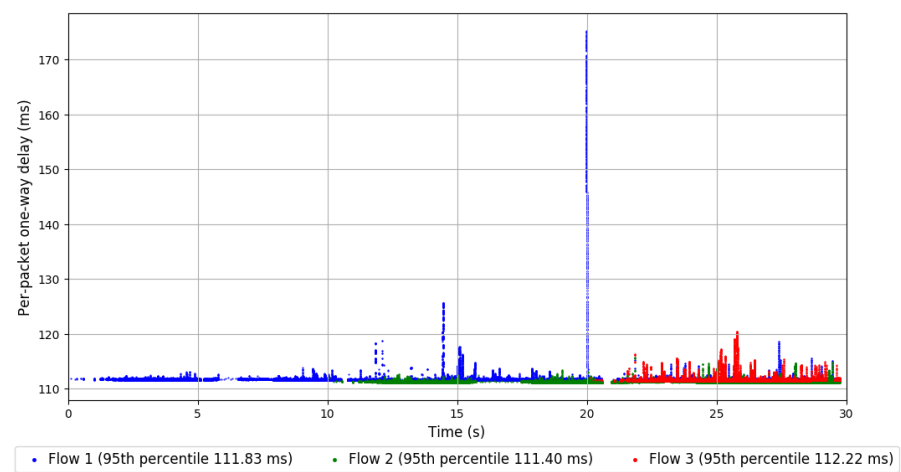
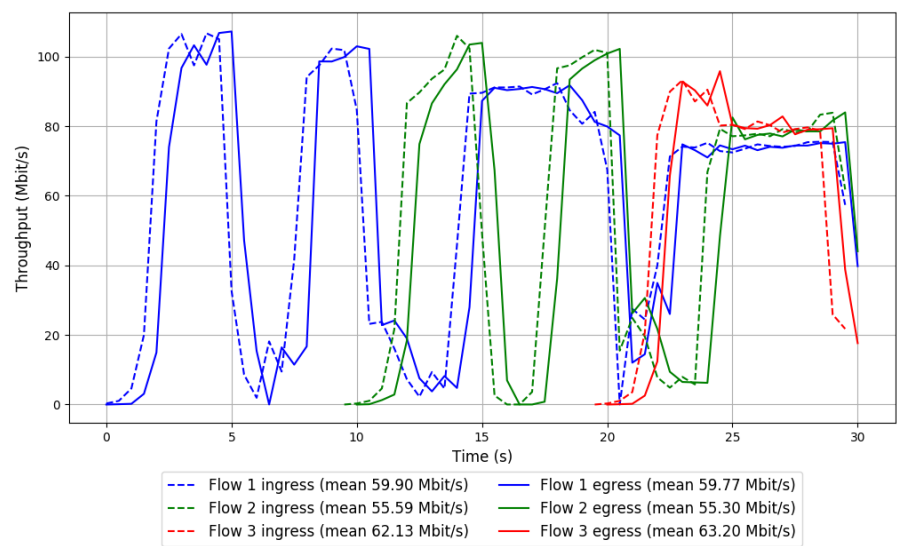
-- Flow 3:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 112.225 ms

Loss rate: 0.71%

Run 10: Report of QUIC Cubic — Data Link

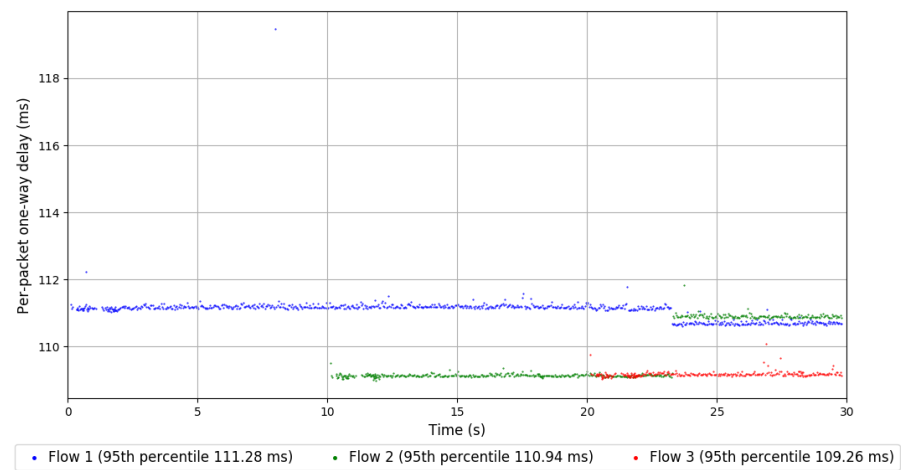
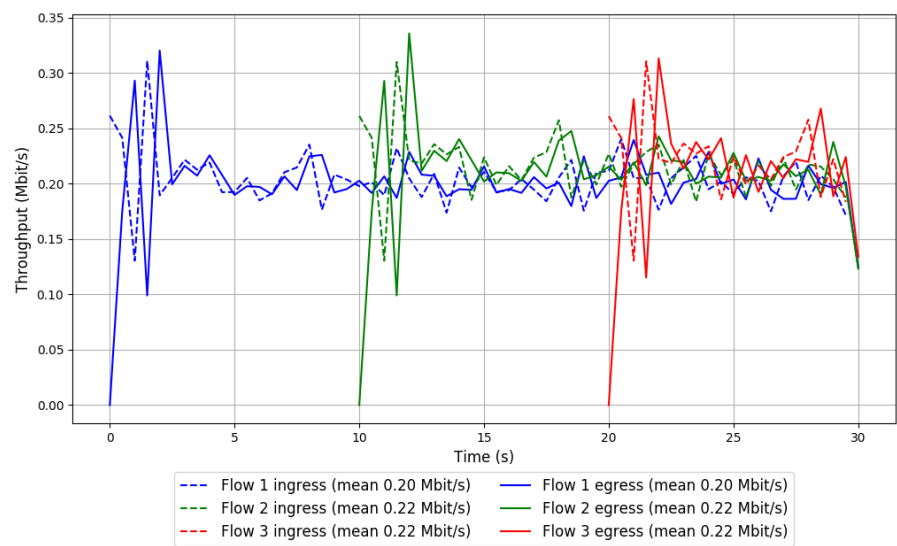


Run 1: Statistics of SReAM

Start at: 2018-07-18 15:49:54
End at: 2018-07-18 15:50:24
Local clock offset: -0.323 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.278 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.939 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.260 ms
Loss rate: 2.22%

Run 1: Report of SReAM — Data Link

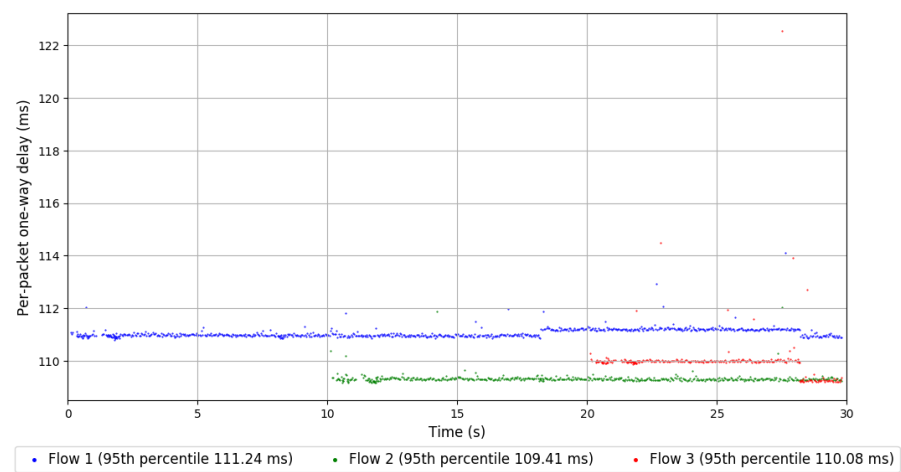
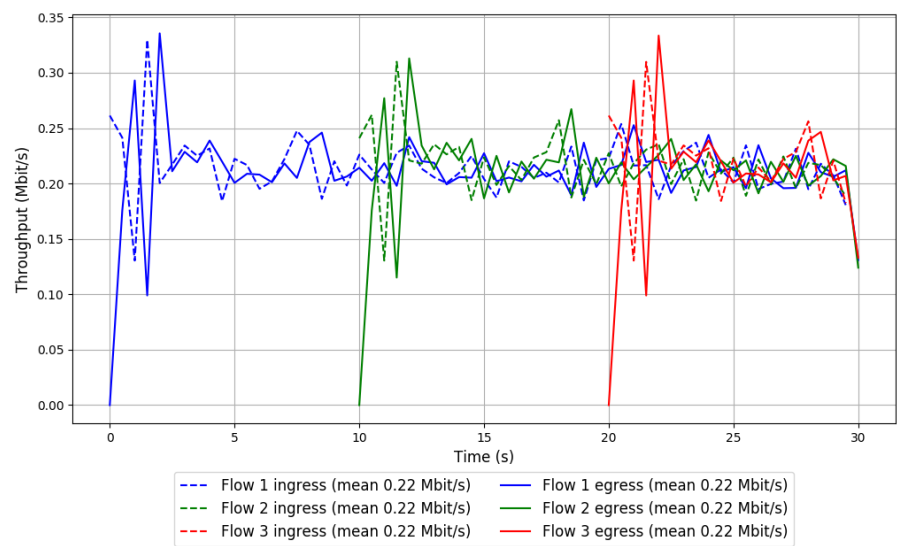


Run 2: Statistics of SReAM

Start at: 2018-07-18 16:16:19
End at: 2018-07-18 16:16:49
Local clock offset: -0.003 ms
Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.225 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.244 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.411 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.077 ms
Loss rate: 2.22%

Run 2: Report of SReAM — Data Link

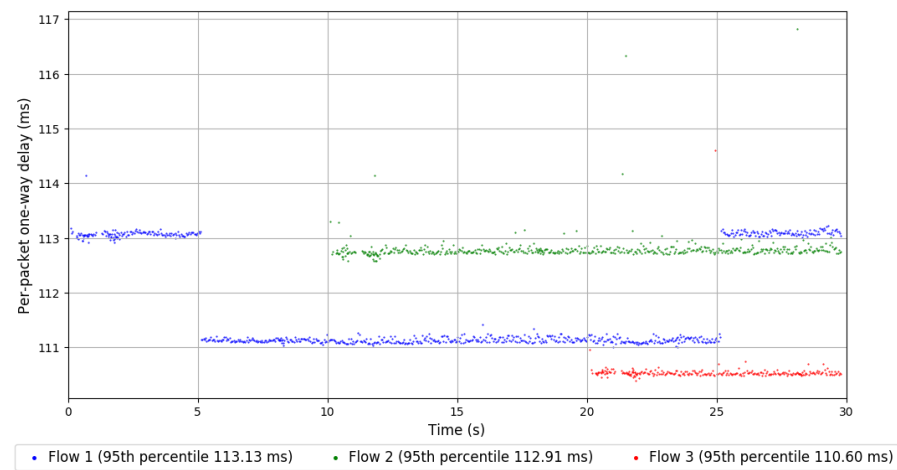
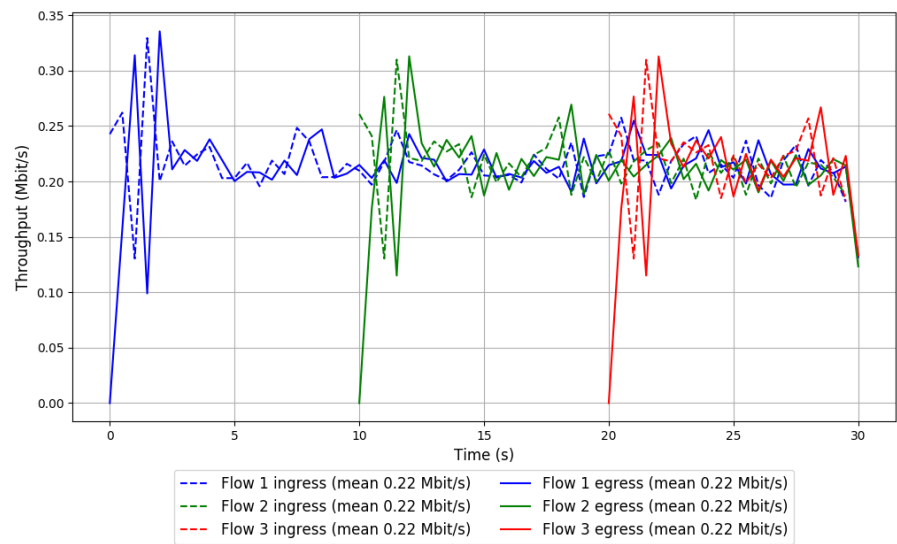


Run 3: Statistics of SReAM

Start at: 2018-07-18 16:42:32
End at: 2018-07-18 16:43:02
Local clock offset: 1.288 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.110 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.130 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.907 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.603 ms
Loss rate: 2.21%

Run 3: Report of SReAM — Data Link

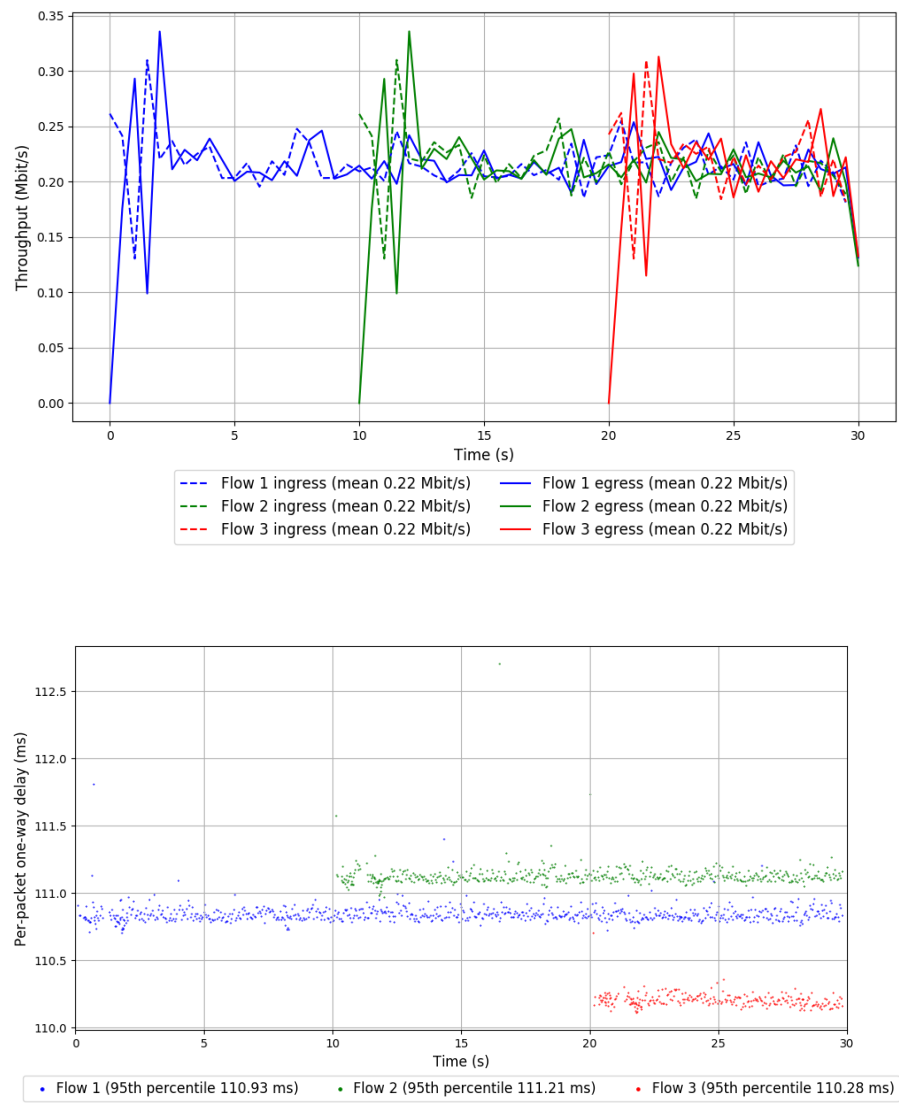


Run 4: Statistics of SReAM

Start at: 2018-07-18 17:08:40
End at: 2018-07-18 17:09:10
Local clock offset: -0.446 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.170 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.930 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.206 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.277 ms
Loss rate: 2.21%

Run 4: Report of SReAM — Data Link

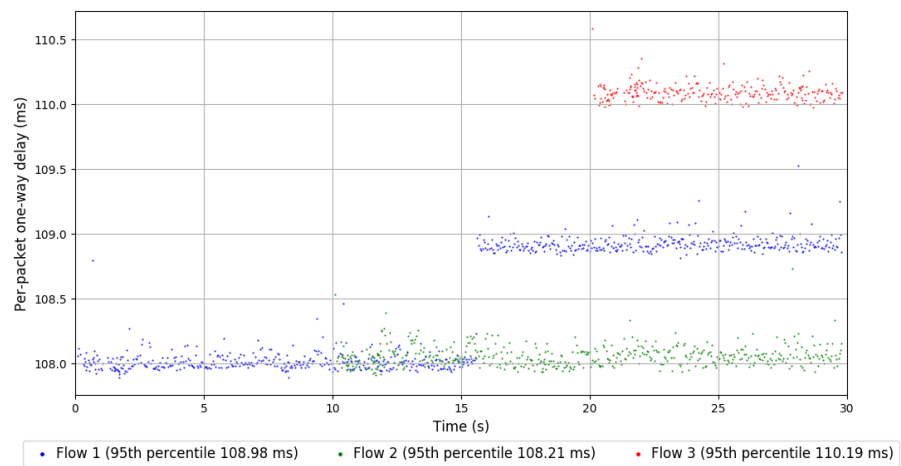
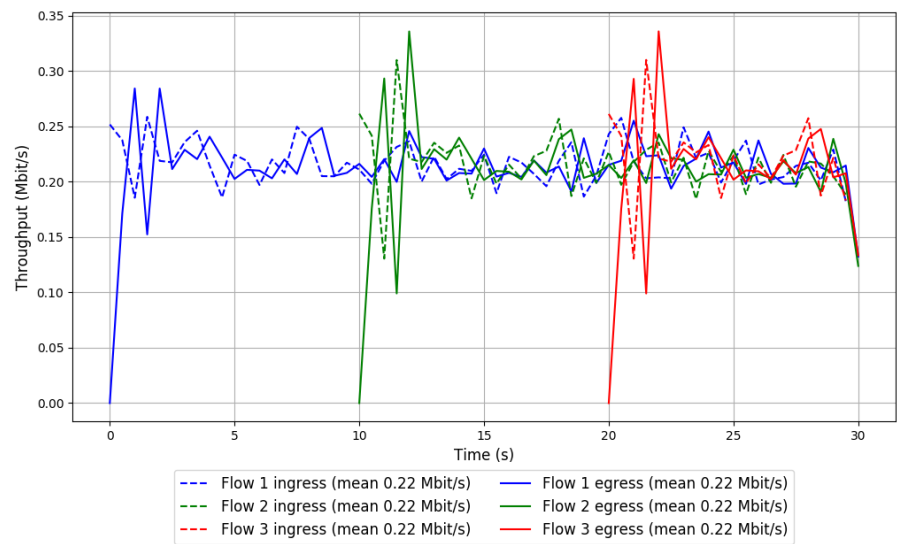


Run 5: Statistics of SReAM

Start at: 2018-07-18 17:34:32
End at: 2018-07-18 17:35:02
Local clock offset: -1.417 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.115 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.982 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.208 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.187 ms
Loss rate: 2.21%

Run 5: Report of SReAM — Data Link

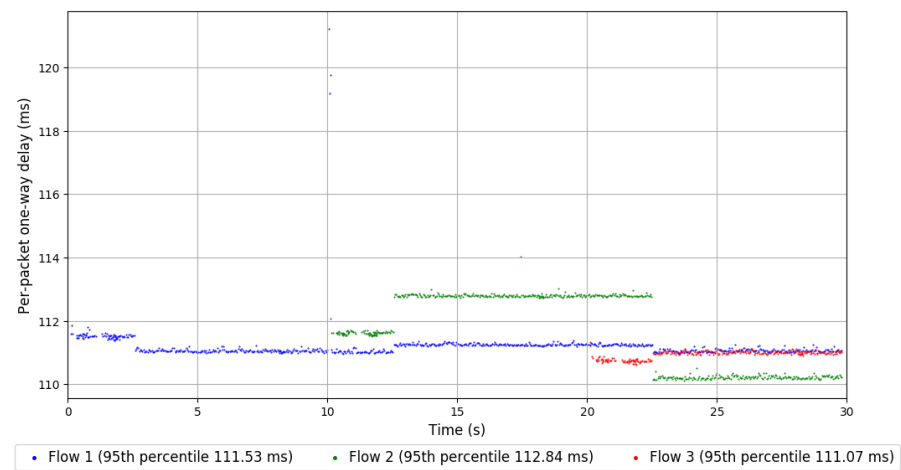
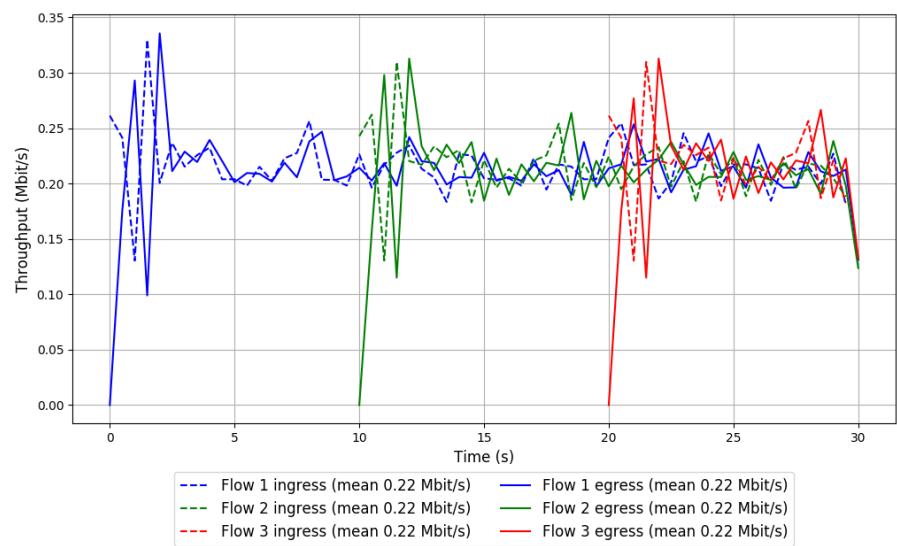


Run 6: Statistics of SReAM

Start at: 2018-07-18 18:00:55
End at: 2018-07-18 18:01:25
Local clock offset: -0.028 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.813 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.525 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.844 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.070 ms
Loss rate: 2.21%

Run 6: Report of SCReAM — Data Link

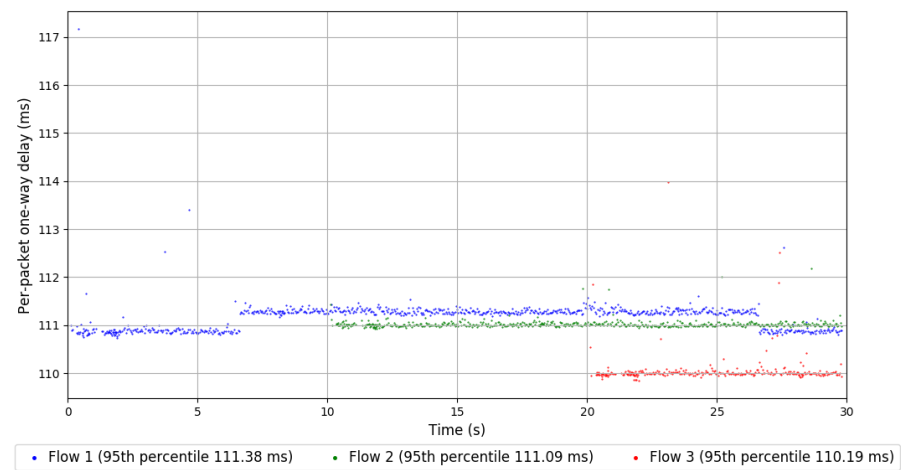
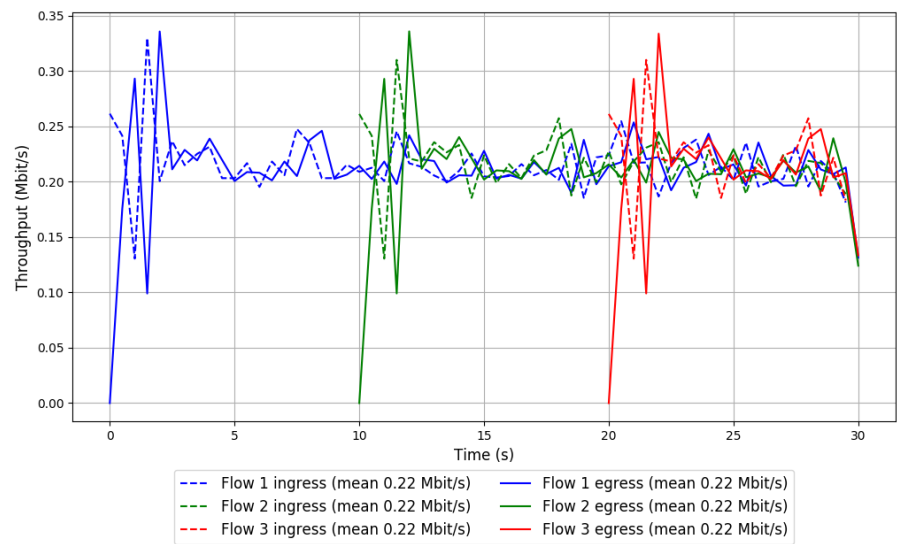


Run 7: Statistics of SReAM

Start at: 2018-07-18 18:27:11
End at: 2018-07-18 18:27:41
Local clock offset: -0.072 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.350 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.376 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.091 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.185 ms
Loss rate: 2.22%

Run 7: Report of SReAM — Data Link

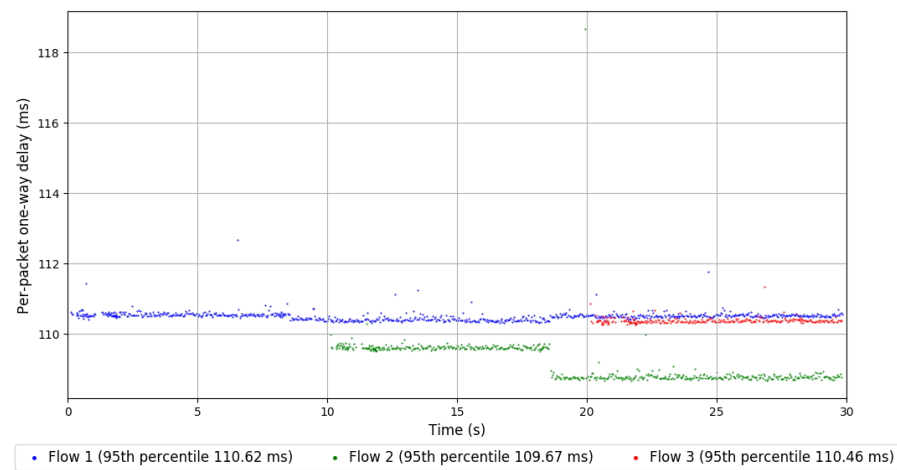
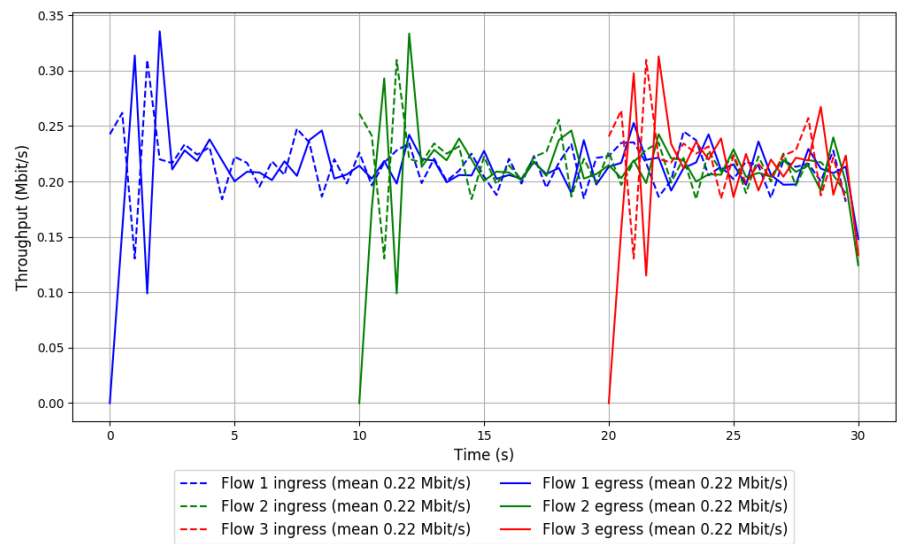


Run 8: Statistics of SReAM

Start at: 2018-07-18 18:53:29
End at: 2018-07-18 18:53:59
Local clock offset: -0.357 ms
Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.585 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.624 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.674 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.464 ms
Loss rate: 2.22%

Run 8: Report of SReAM — Data Link

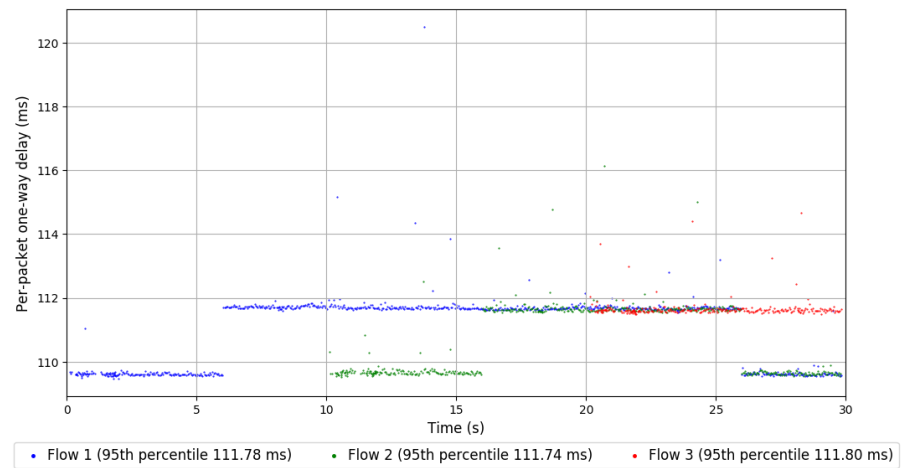
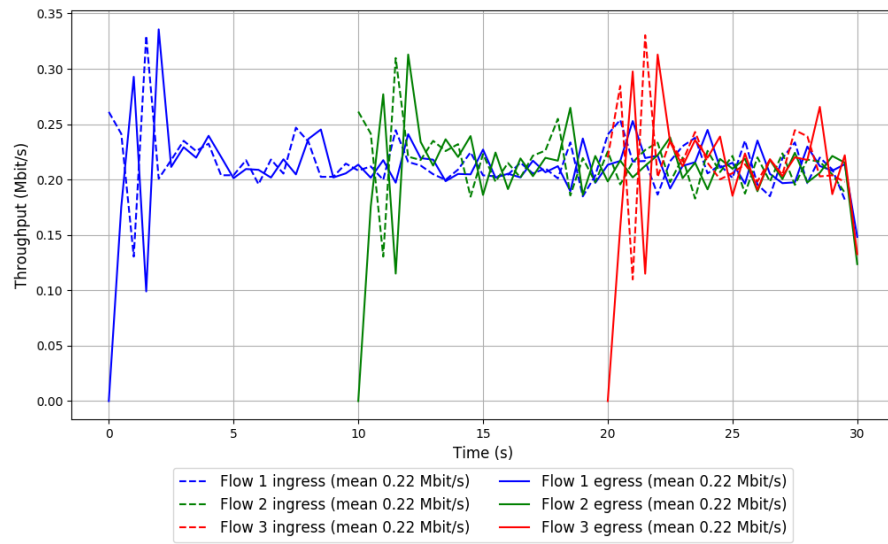


Run 9: Statistics of SReAM

Start at: 2018-07-18 19:19:51
End at: 2018-07-18 19:20:21
Local clock offset: 0.206 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.777 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link

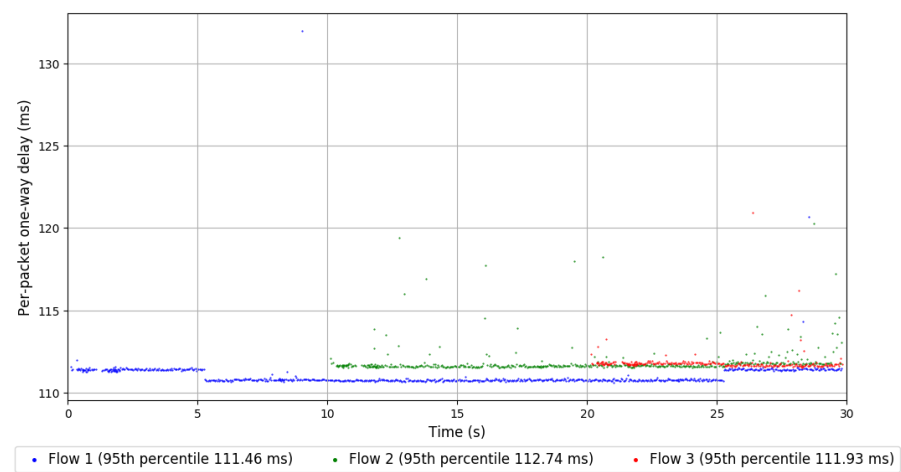
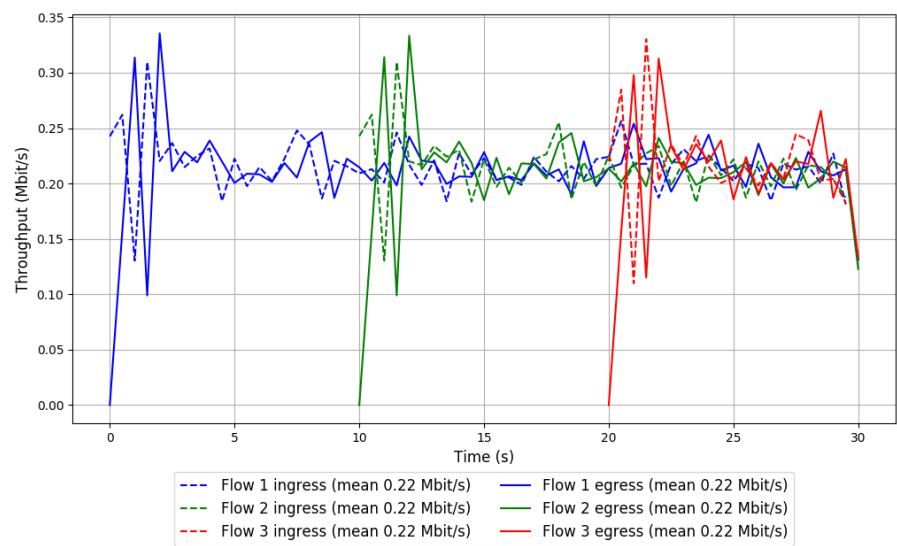


Run 10: Statistics of SReAM

Start at: 2018-07-18 19:45:52
End at: 2018-07-18 19:46:22
Local clock offset: -0.086 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.918 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.458 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.739 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 1.87%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

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

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

Local clock offset: -0.019 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-18 22:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 111.580 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.613 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 111.543 ms

Loss rate: 0.06%

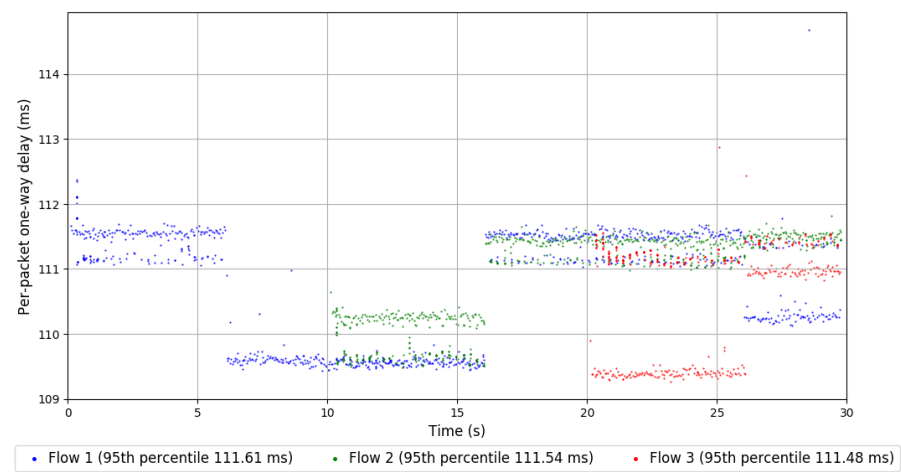
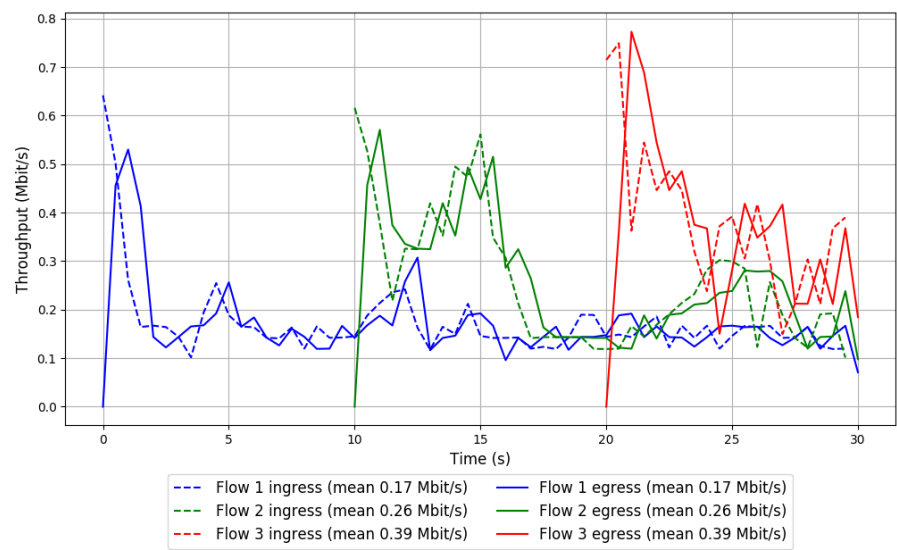
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 111.479 ms

Loss rate: 2.70%

Run 1: Report of Sprout — Data Link

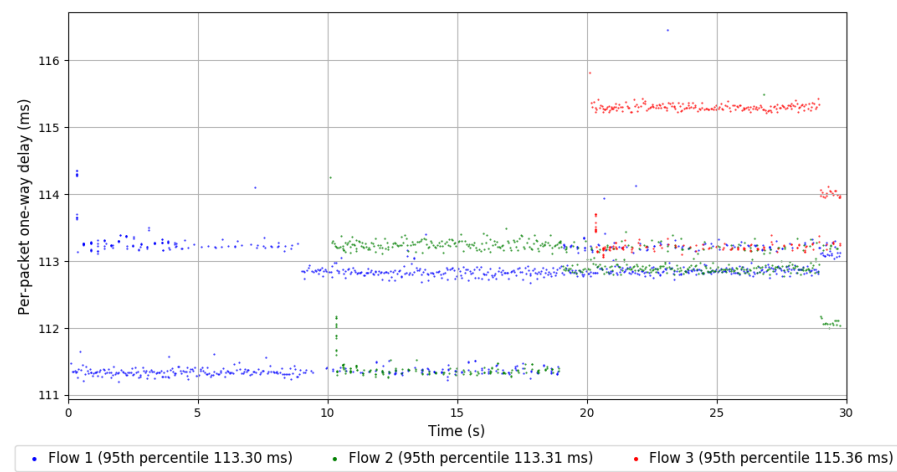
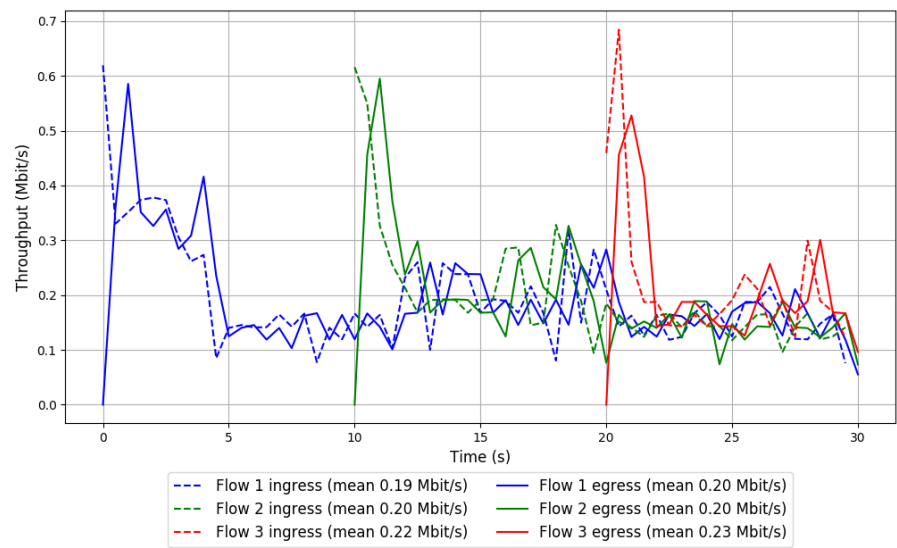


Run 2: Statistics of Sprout

Start at: 2018-07-18 16:33:18
End at: 2018-07-18 16:33:48
Local clock offset: 1.449 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 115.296 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.300 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.314 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 115.359 ms
Loss rate: 1.18%

Run 2: Report of Sprout — Data Link

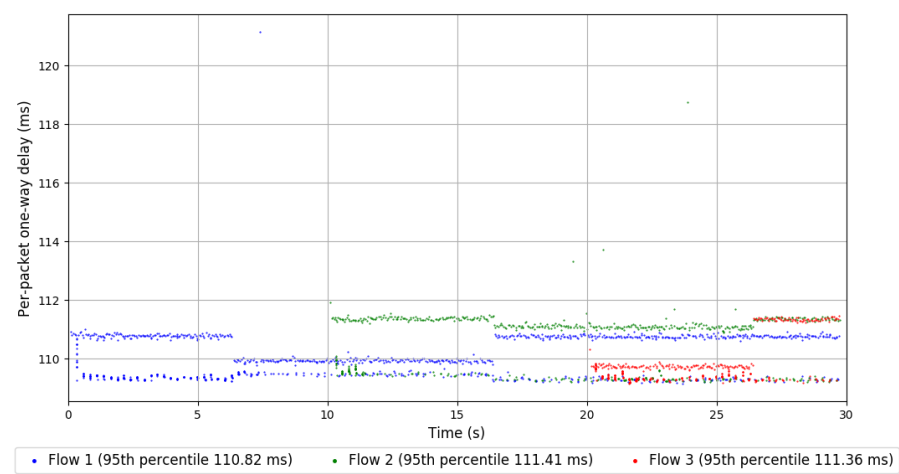
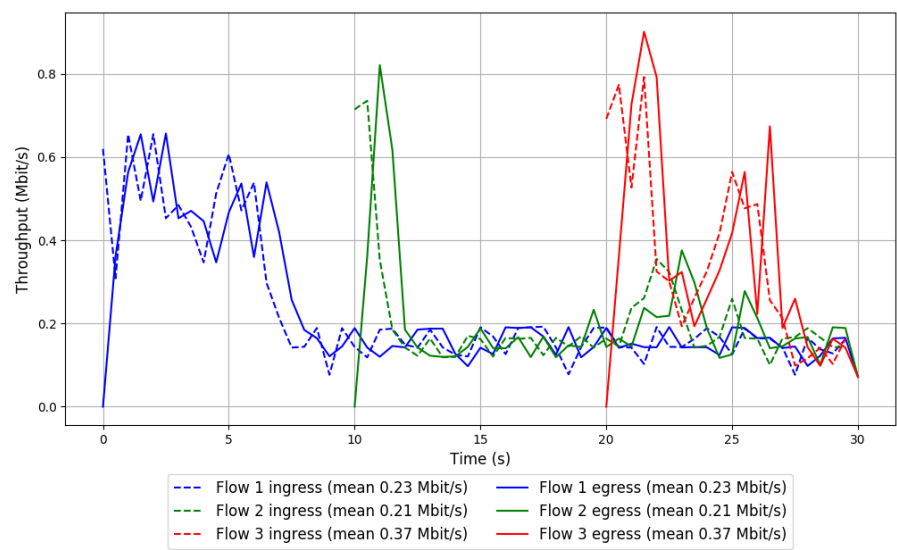


Run 3: Statistics of Sprout

Start at: 2018-07-18 16:59:41
End at: 2018-07-18 17:00:11
Local clock offset: -0.384 ms
Remote clock offset: -0.072 ms

```
# Below is generated by plot.py at 2018-07-18 22:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 111.370 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.820 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.413 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 111.363 ms
Loss rate: 1.31%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-18 17:25:42

End at: 2018-07-18 17:26:12

Local clock offset: -0.075 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-18 22:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 111.092 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 0.20 Mbit/s

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

Loss rate: 0.78%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.119 ms

Loss rate: 1.05%

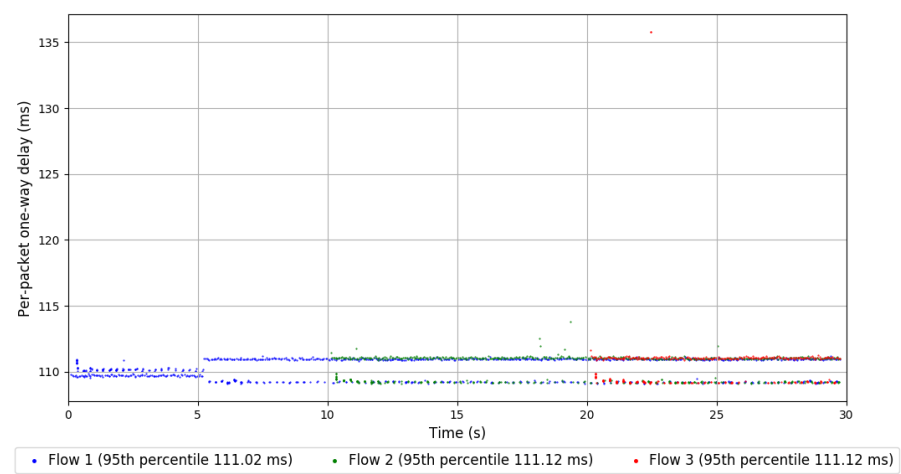
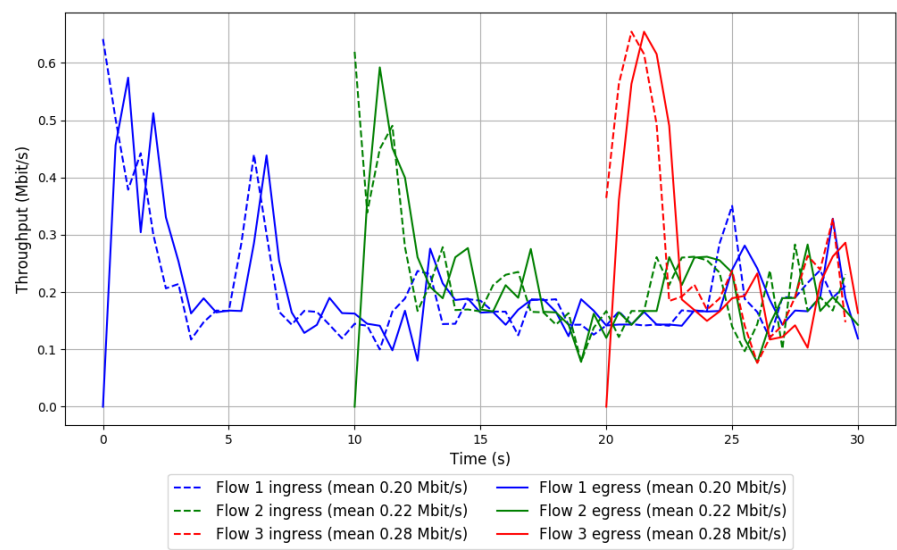
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 111.125 ms

Loss rate: 2.55%

Run 4: Report of Sprout — Data Link

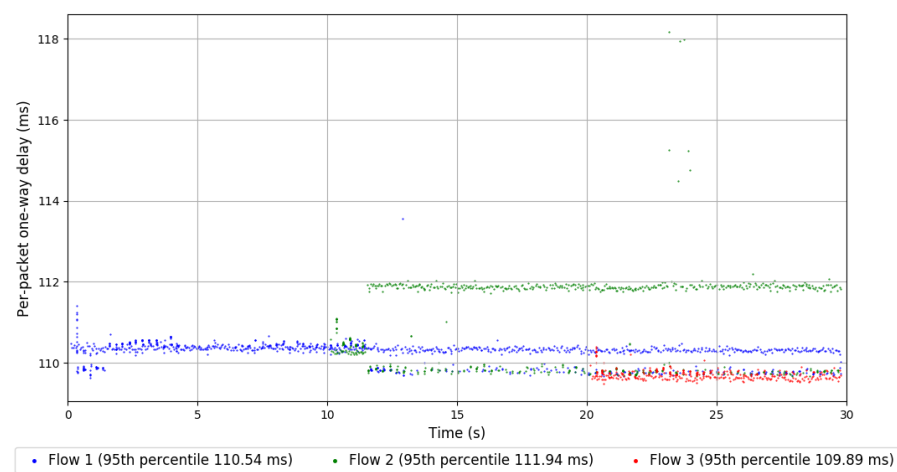
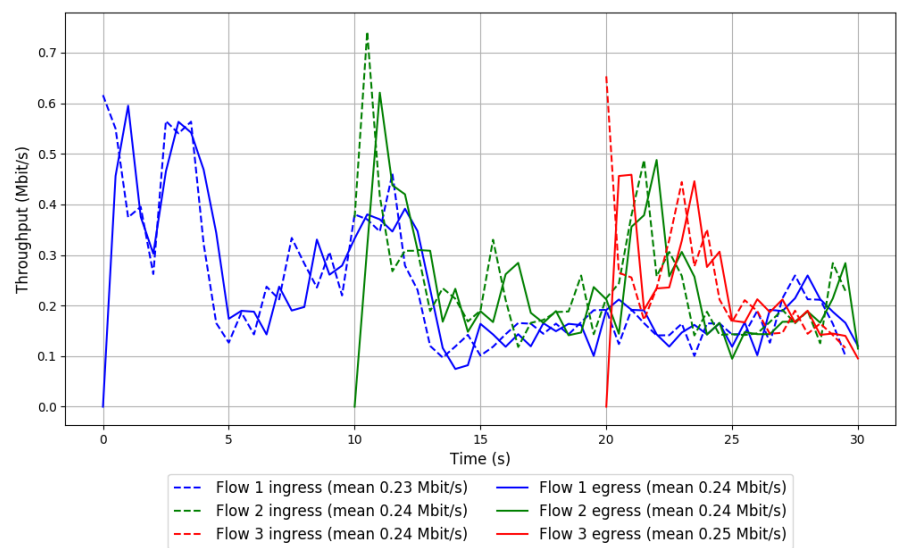


Run 5: Statistics of Sprout

Start at: 2018-07-18 17:51:46
End at: 2018-07-18 17:52:16
Local clock offset: -0.434 ms
Remote clock offset: 0.329 ms

```
# Below is generated by plot.py at 2018-07-18 22:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 111.906 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.537 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 109.889 ms
Loss rate: 0.99%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-18 18:17:56

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

Local clock offset: 0.139 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-18 22:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.404 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.434 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 110.942 ms

Loss rate: 0.53%

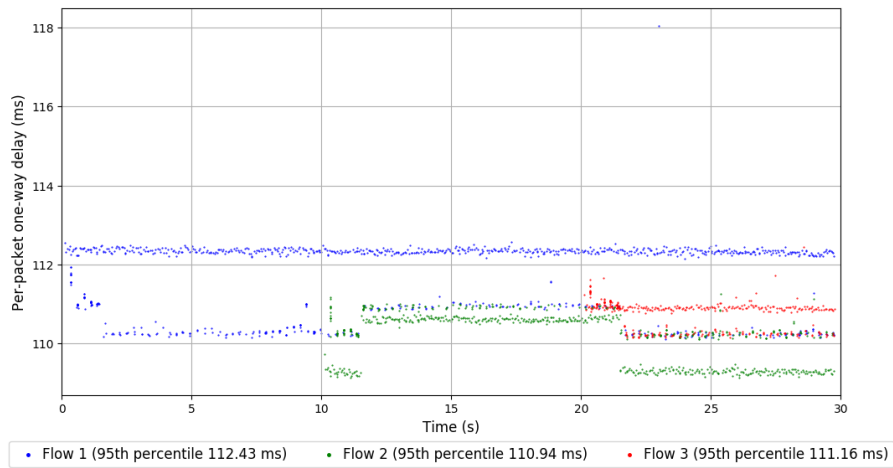
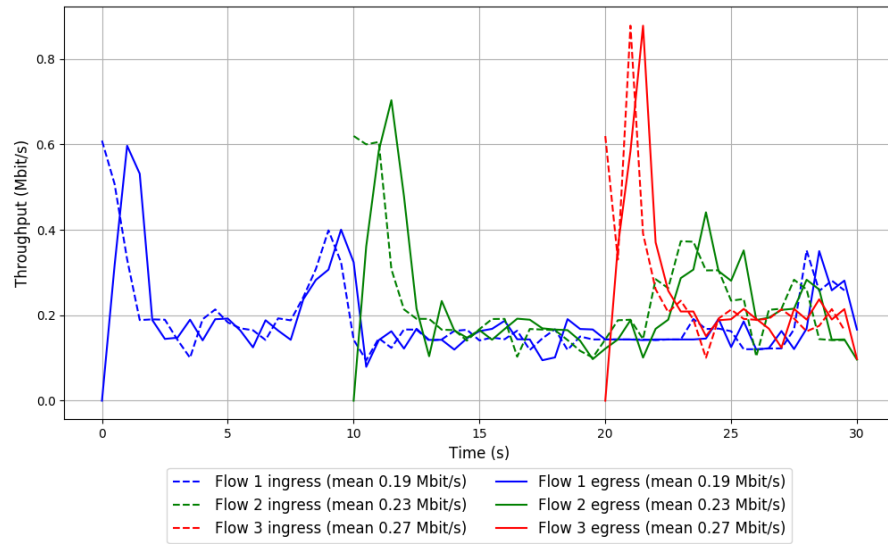
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 111.159 ms

Loss rate: 1.33%

Run 6: Report of Sprout — Data Link

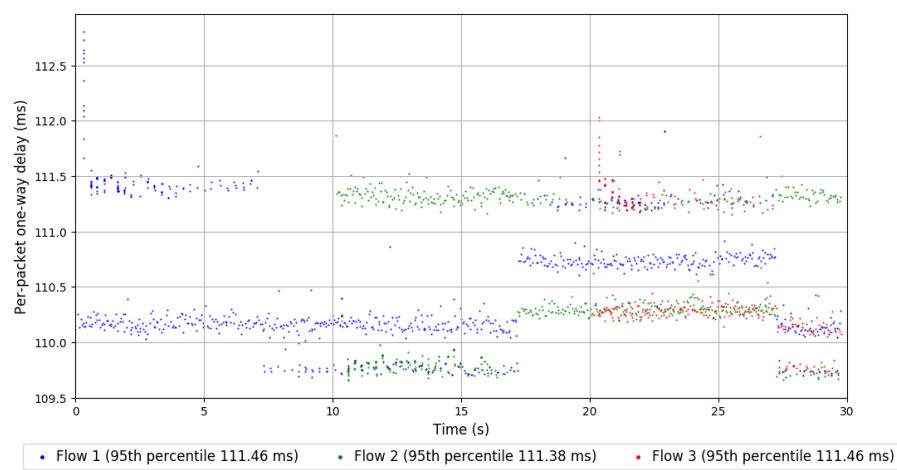
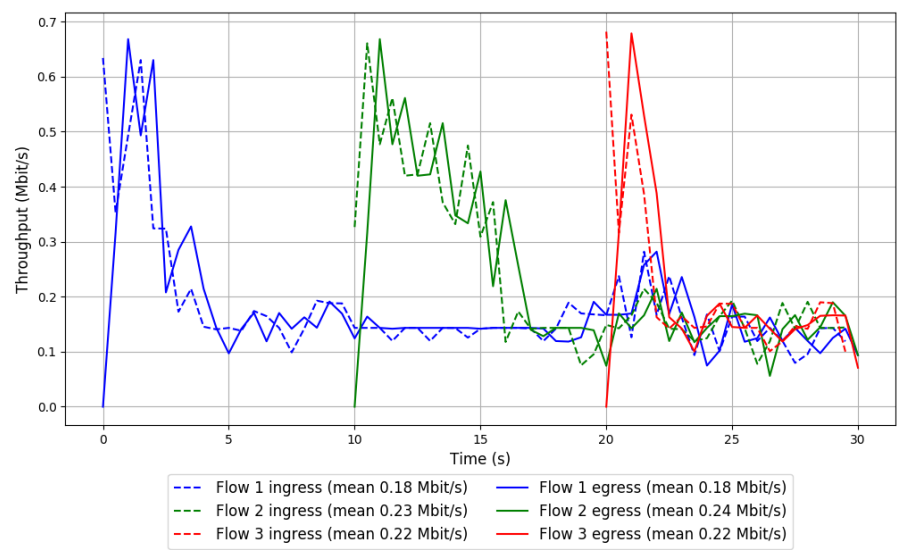


Run 7: Statistics of Sprout

Start at: 2018-07-18 18:44:10
End at: 2018-07-18 18:44:40
Local clock offset: -0.095 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.438 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.464 ms
Loss rate: 1.82%

Run 7: Report of Sprout — Data Link

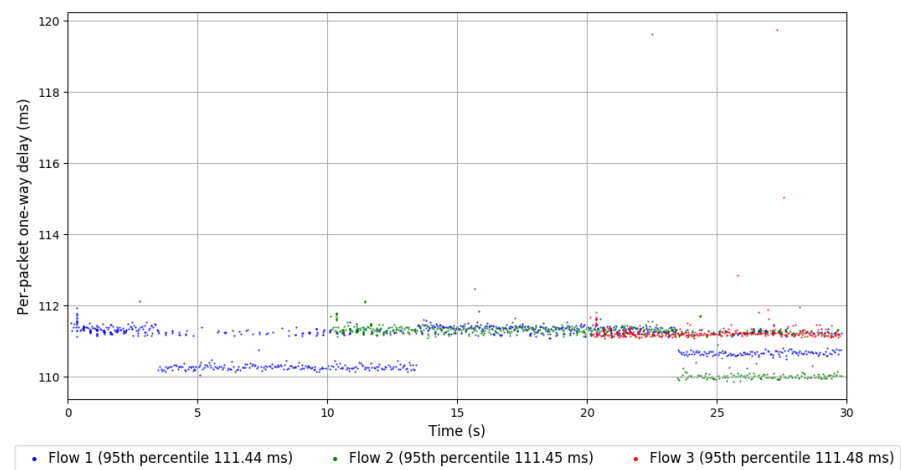
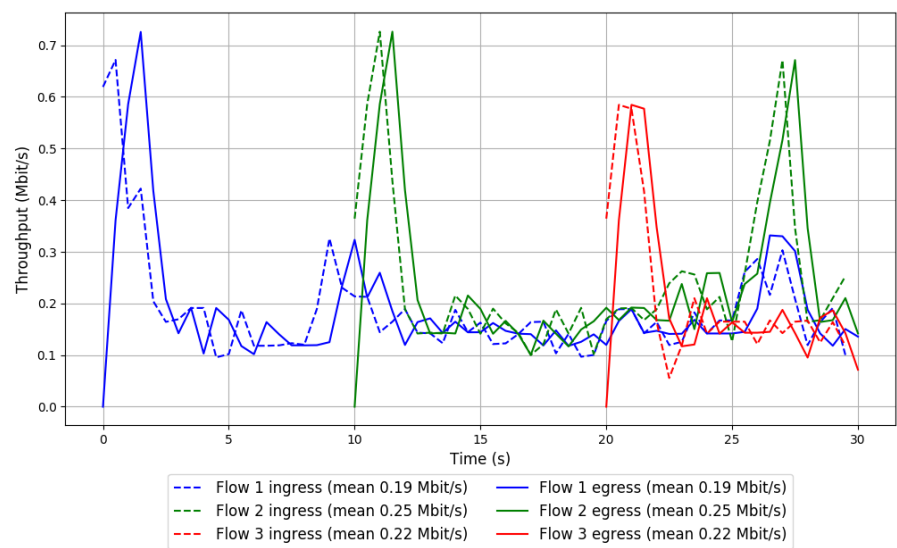


Run 8: Statistics of Sprout

Start at: 2018-07-18 19:10:44
End at: 2018-07-18 19:11:14
Local clock offset: -0.204 ms
Remote clock offset: -0.066 ms

```
# Below is generated by plot.py at 2018-07-18 22:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.449 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.445 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.449 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.478 ms
Loss rate: 1.69%
```

Run 8: Report of Sprout — Data Link

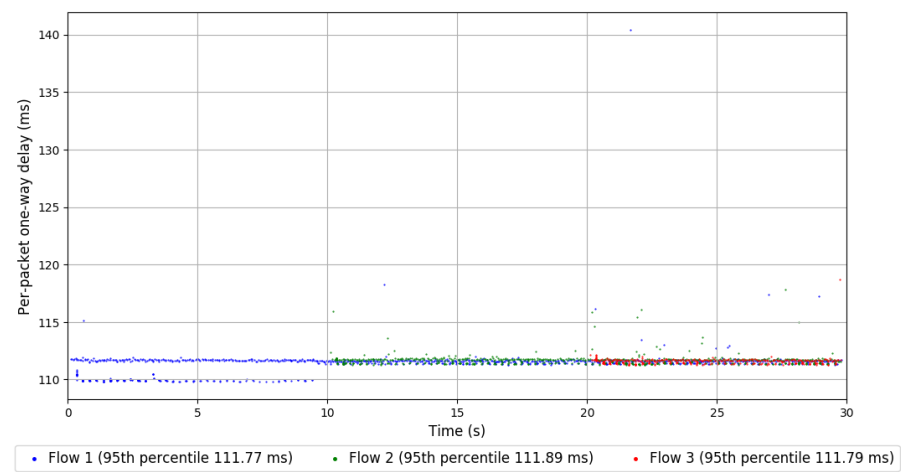
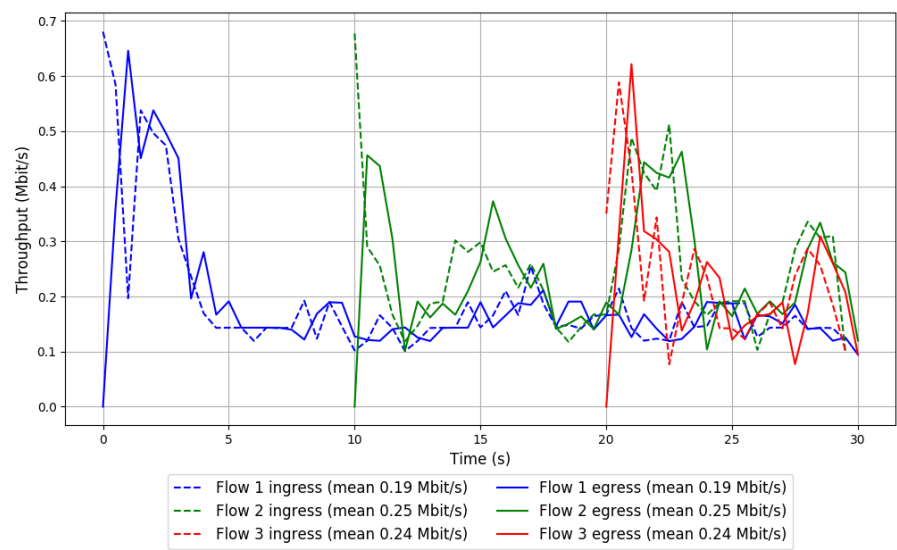


Run 9: Statistics of Sprout

Start at: 2018-07-18 19:36:38
End at: 2018-07-18 19:37:08
Local clock offset: -0.113 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.826 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.770 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.889 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.793 ms
Loss rate: 2.04%

Run 9: Report of Sprout — Data Link

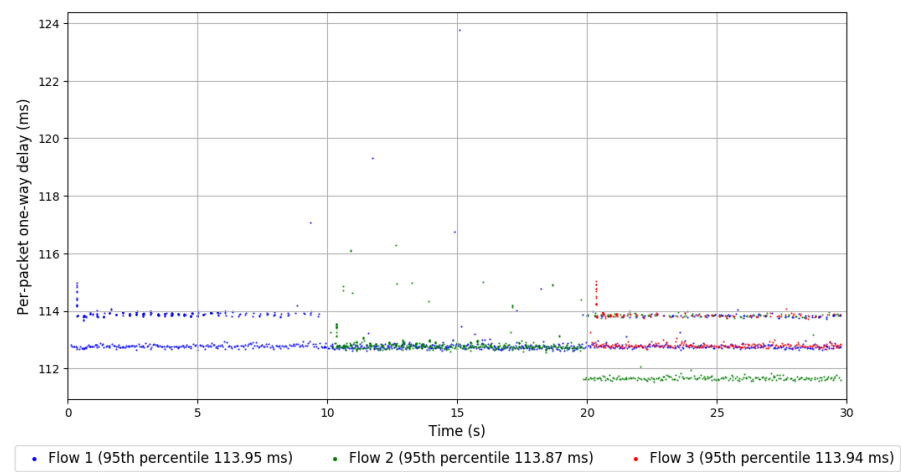
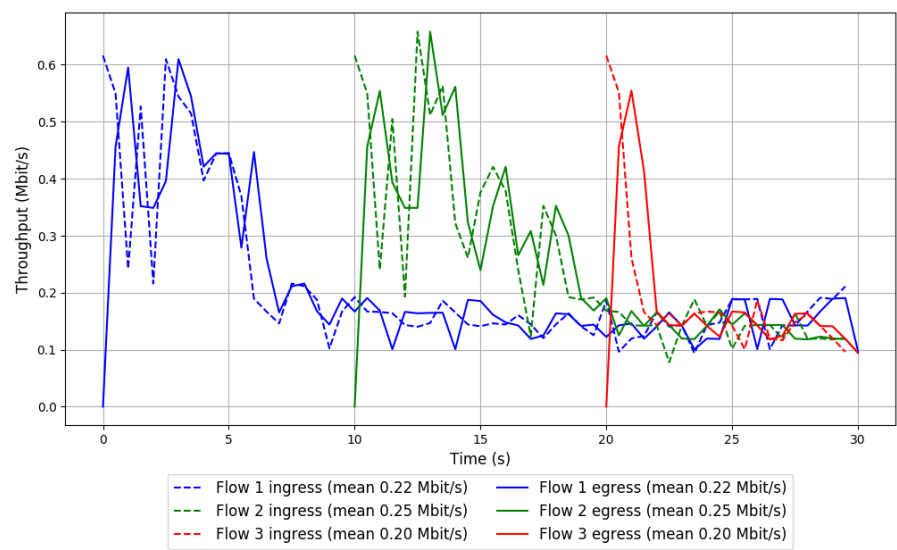


Run 10: Statistics of Sprout

Start at: 2018-07-18 20:02:47
End at: 2018-07-18 20:03:17
Local clock offset: 1.327 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-18 22:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 113.939 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.949 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.945 ms
Loss rate: 0.73%

Run 10: Report of Sprout — Data Link

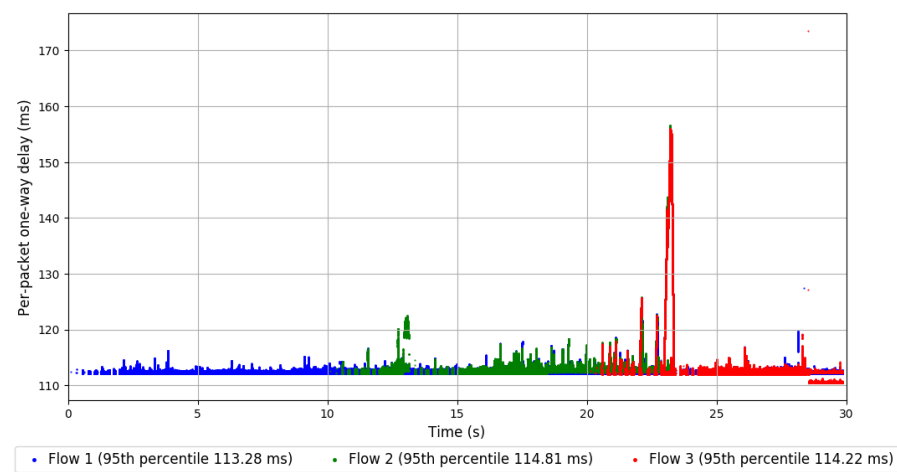
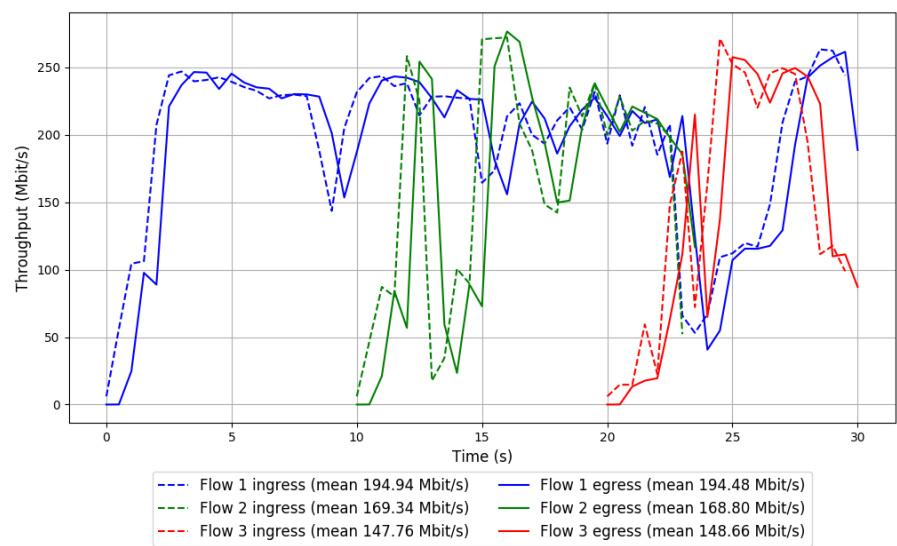


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 16:02:59
End at: 2018-07-18 16:03:29
Local clock offset: 1.345 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-18 22:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.66 Mbit/s
95th percentile per-packet one-way delay: 113.763 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 194.48 Mbit/s
95th percentile per-packet one-way delay: 113.276 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 168.80 Mbit/s
95th percentile per-packet one-way delay: 114.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 114.221 ms
Loss rate: 1.64%

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

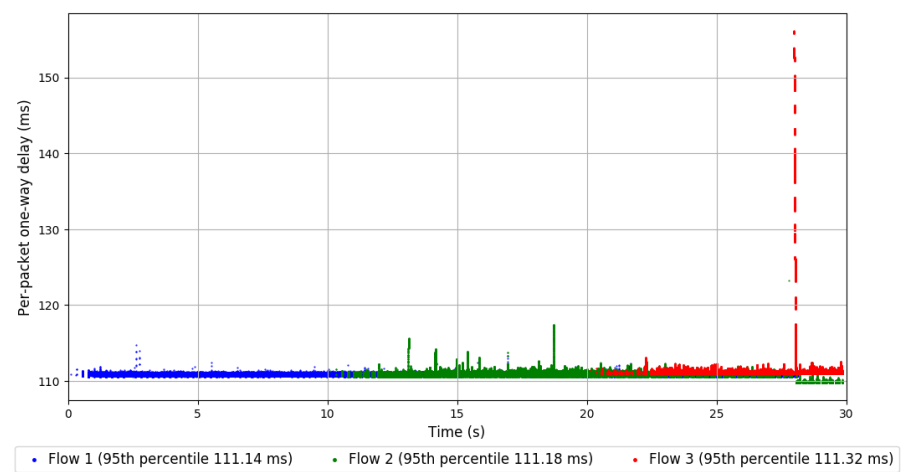
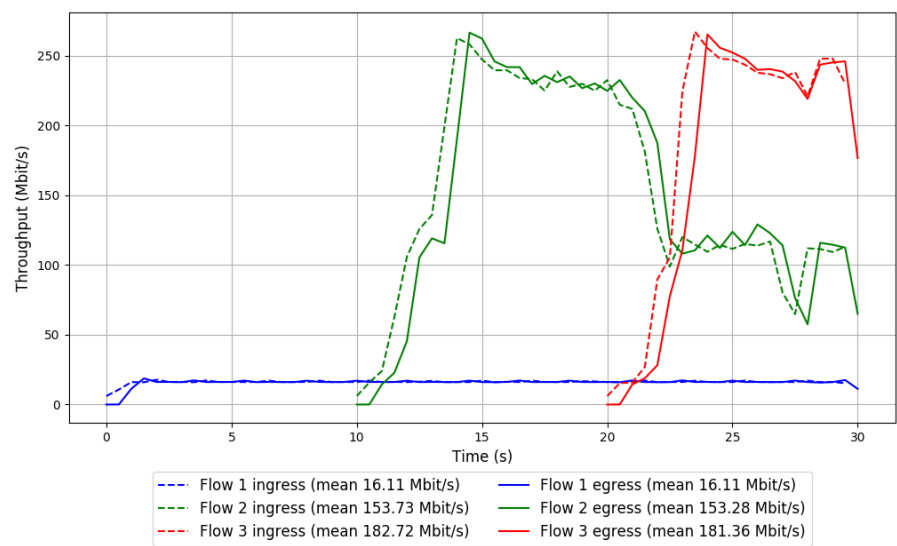


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 16:29:19
End at: 2018-07-18 16:29:49
Local clock offset: -0.283 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-18 22:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.15 Mbit/s
95th percentile per-packet one-way delay: 111.220 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 111.143 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 153.28 Mbit/s
95th percentile per-packet one-way delay: 111.178 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 181.36 Mbit/s
95th percentile per-packet one-way delay: 111.323 ms
Loss rate: 2.98%

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

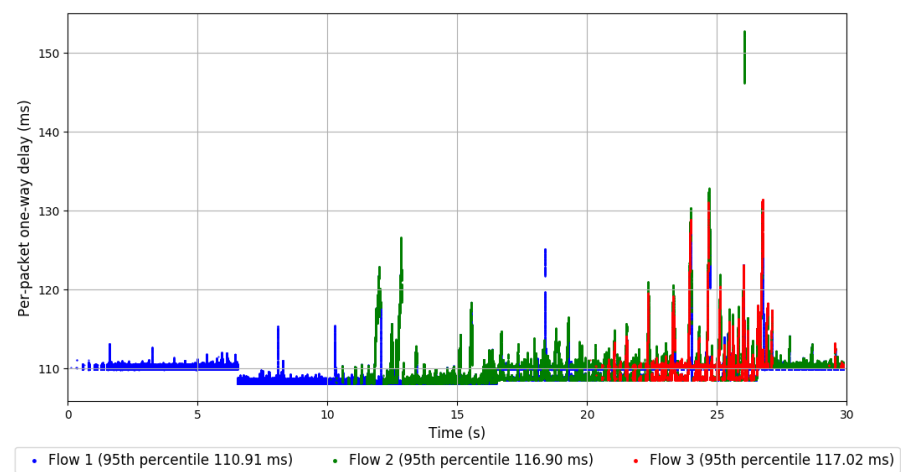
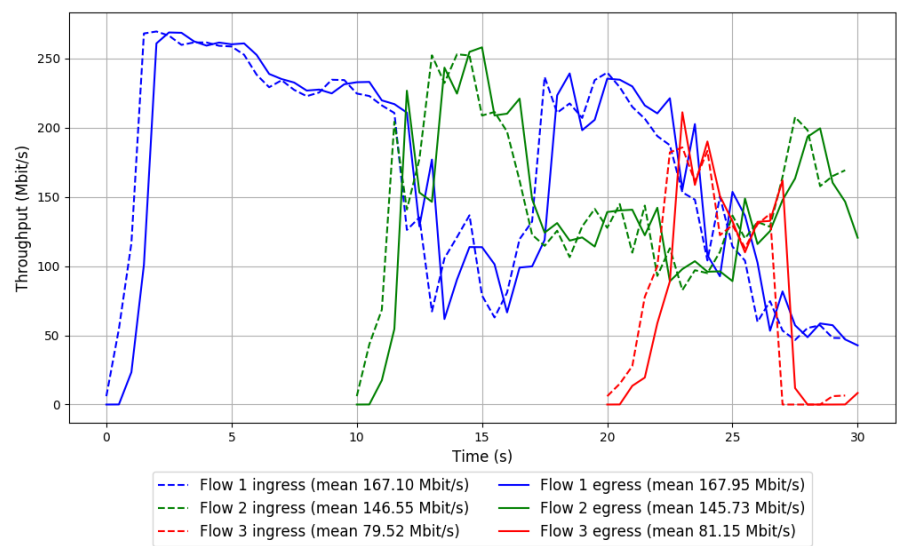


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 16:55:31
End at: 2018-07-18 16:56:01
Local clock offset: -1.52 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-07-18 22:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.22 Mbit/s
95th percentile per-packet one-way delay: 113.963 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 167.95 Mbit/s
95th percentile per-packet one-way delay: 110.906 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 145.73 Mbit/s
95th percentile per-packet one-way delay: 116.903 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 117.015 ms
Loss rate: 0.26%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 17:21:47

End at: 2018-07-18 17:22:17

Local clock offset: 1.354 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-18 22:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.34 Mbit/s

95th percentile per-packet one-way delay: 112.669 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 112.641 ms

Loss rate: 1.86%

-- Flow 2:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 112.897 ms

Loss rate: 1.11%

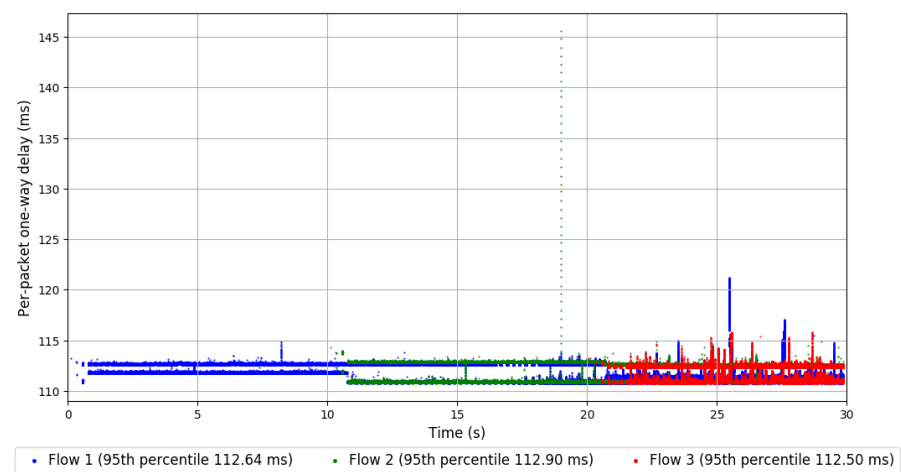
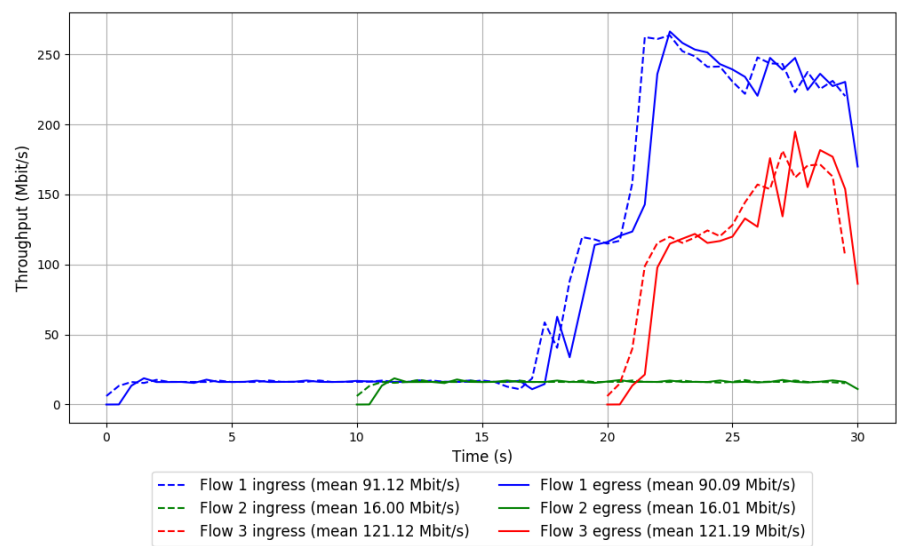
-- Flow 3:

Average throughput: 121.19 Mbit/s

95th percentile per-packet one-way delay: 112.495 ms

Loss rate: 2.18%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 17:47:34

End at: 2018-07-18 17:48:04

Local clock offset: -0.022 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-07-18 22:25:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.98 Mbit/s

95th percentile per-packet one-way delay: 111.777 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 166.32 Mbit/s

95th percentile per-packet one-way delay: 111.528 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 185.22 Mbit/s

95th percentile per-packet one-way delay: 111.834 ms

Loss rate: 1.39%

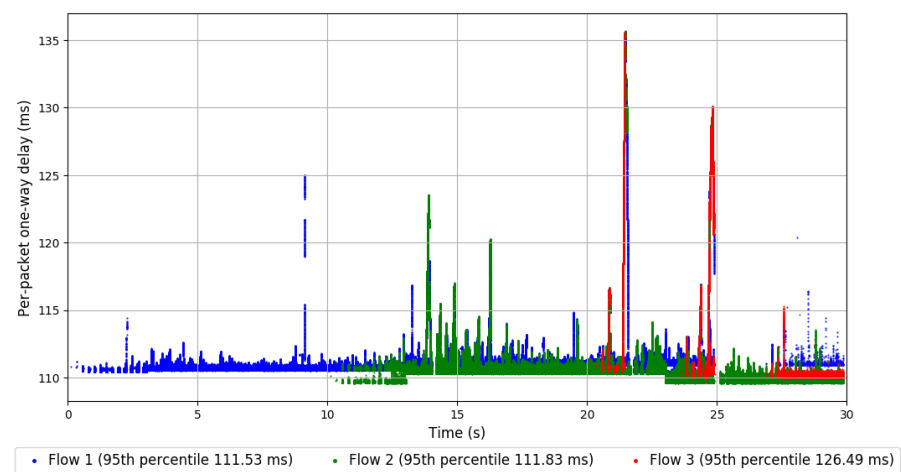
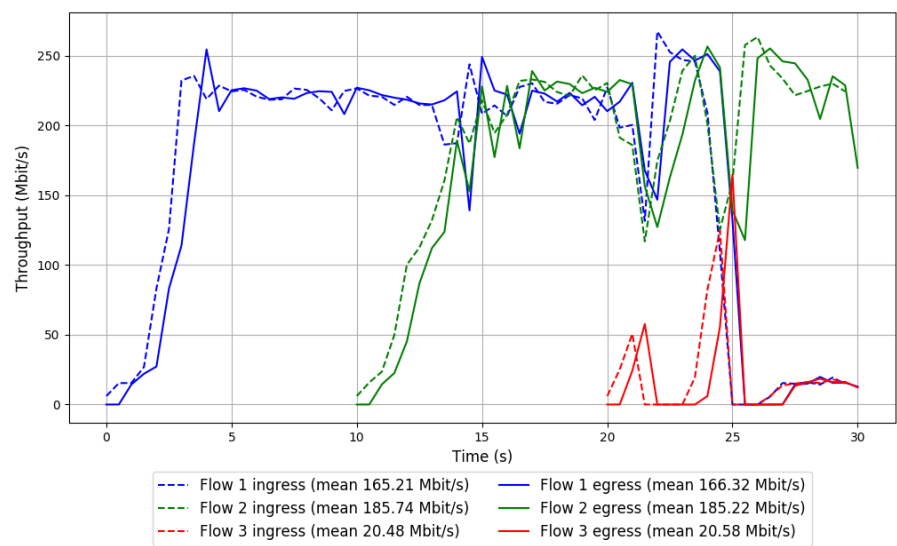
-- Flow 3:

Average throughput: 20.58 Mbit/s

95th percentile per-packet one-way delay: 126.493 ms

Loss rate: 1.77%

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

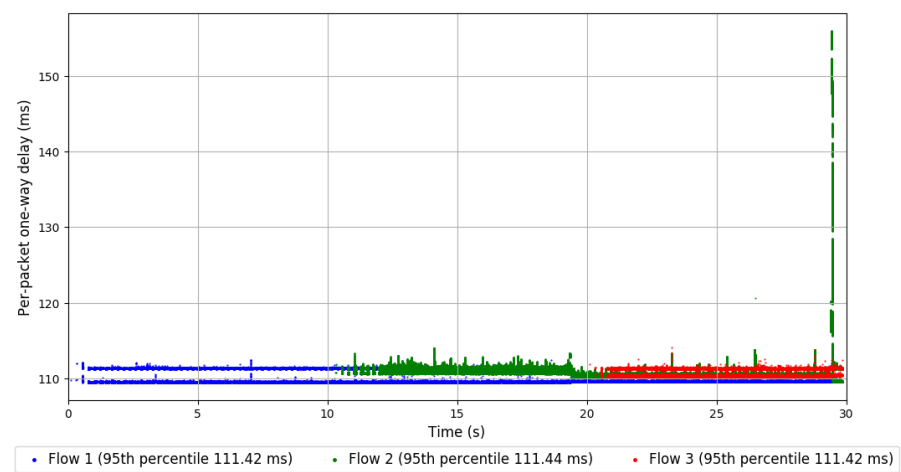
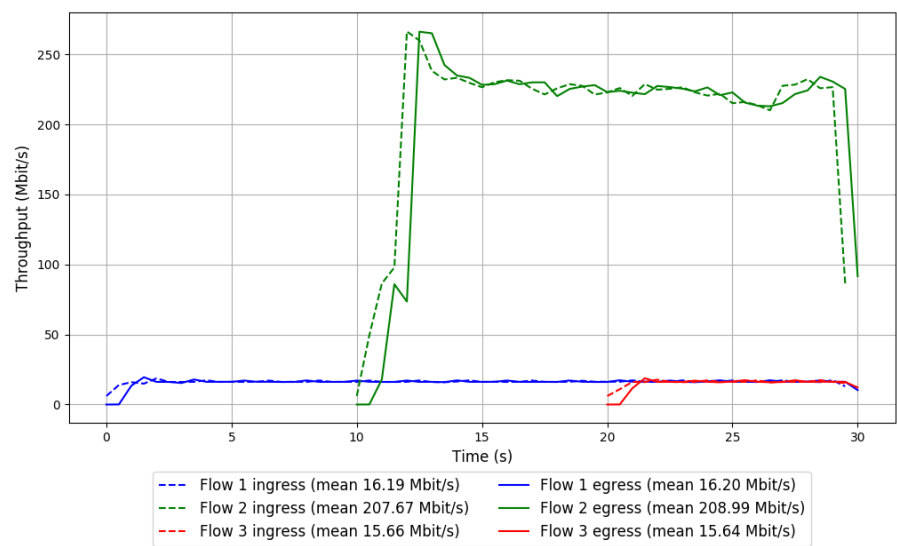


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 18:13:58
End at: 2018-07-18 18:14:28
Local clock offset: -0.043 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-18 22:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.93 Mbit/s
95th percentile per-packet one-way delay: 111.437 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 111.419 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 208.99 Mbit/s
95th percentile per-packet one-way delay: 111.441 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 111.419 ms
Loss rate: 2.35%

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

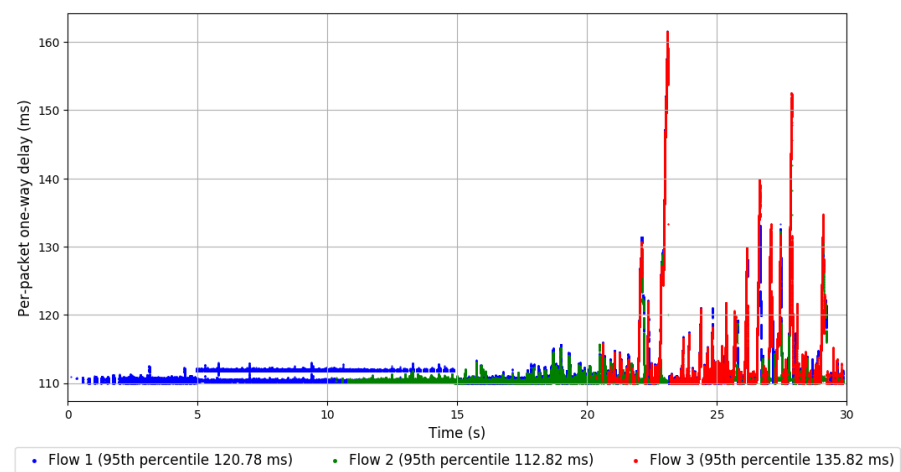
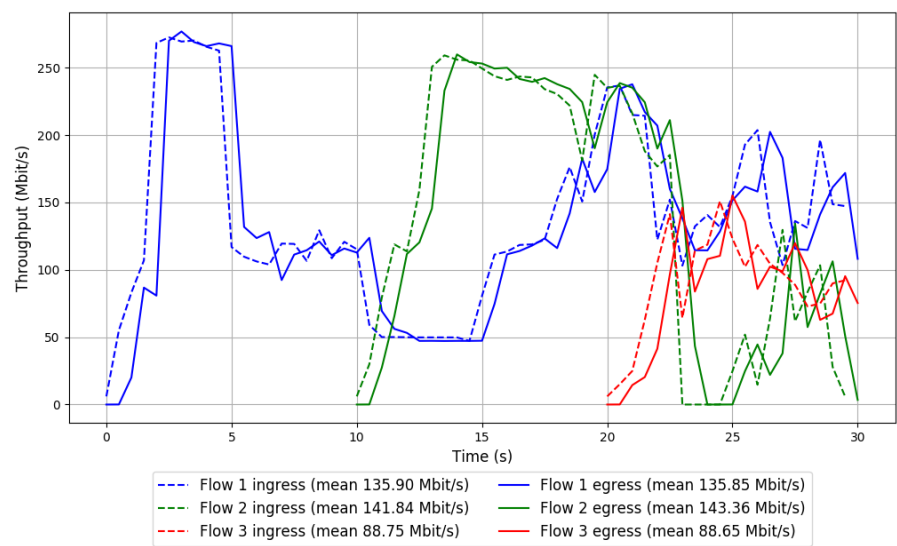


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 18:40:02
End at: 2018-07-18 18:40:32
Local clock offset: 0.028 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-07-18 22:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.86 Mbit/s
95th percentile per-packet one-way delay: 121.157 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 135.85 Mbit/s
95th percentile per-packet one-way delay: 120.779 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 143.36 Mbit/s
95th percentile per-packet one-way delay: 112.819 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 135.821 ms
Loss rate: 2.76%

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

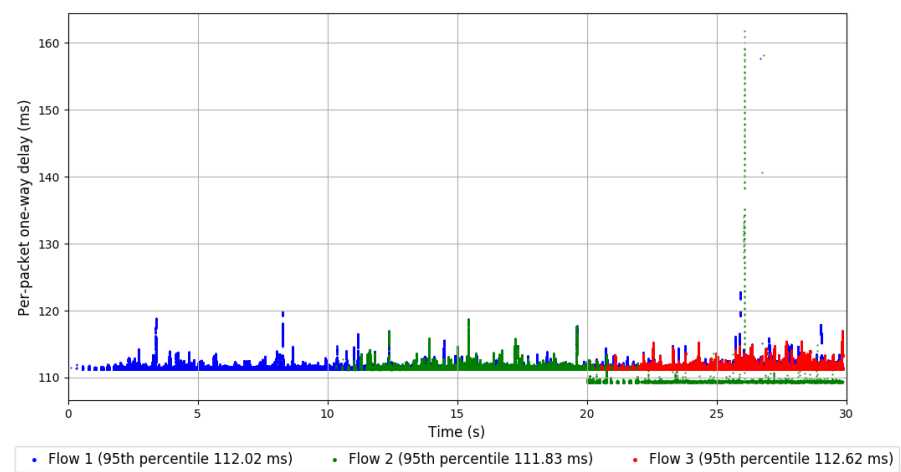
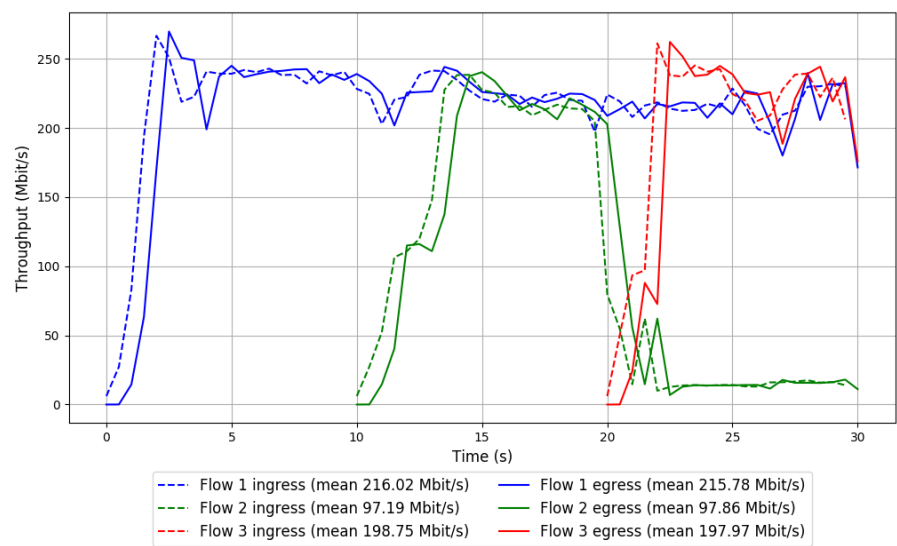


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 19:06:27
End at: 2018-07-18 19:06:57
Local clock offset: -0.359 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-07-18 22:28:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.57 Mbit/s
95th percentile per-packet one-way delay: 112.119 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 215.78 Mbit/s
95th percentile per-packet one-way delay: 112.023 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 97.86 Mbit/s
95th percentile per-packet one-way delay: 111.831 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 197.97 Mbit/s
95th percentile per-packet one-way delay: 112.621 ms
Loss rate: 2.09%

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

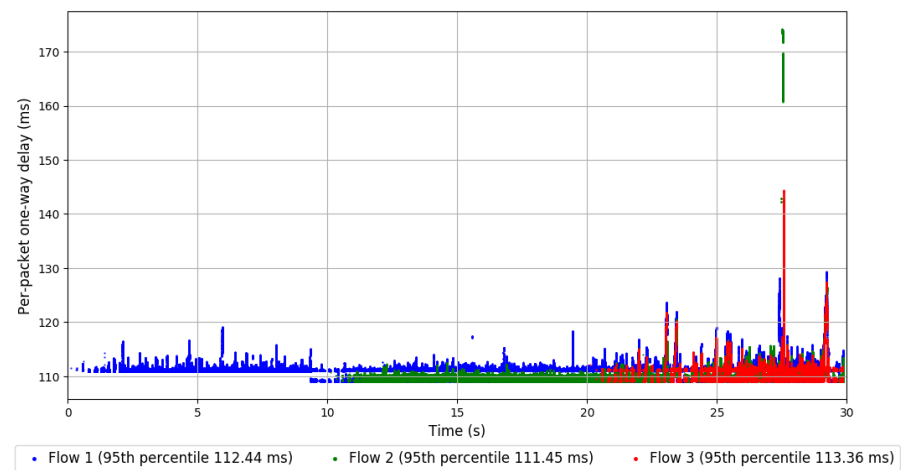
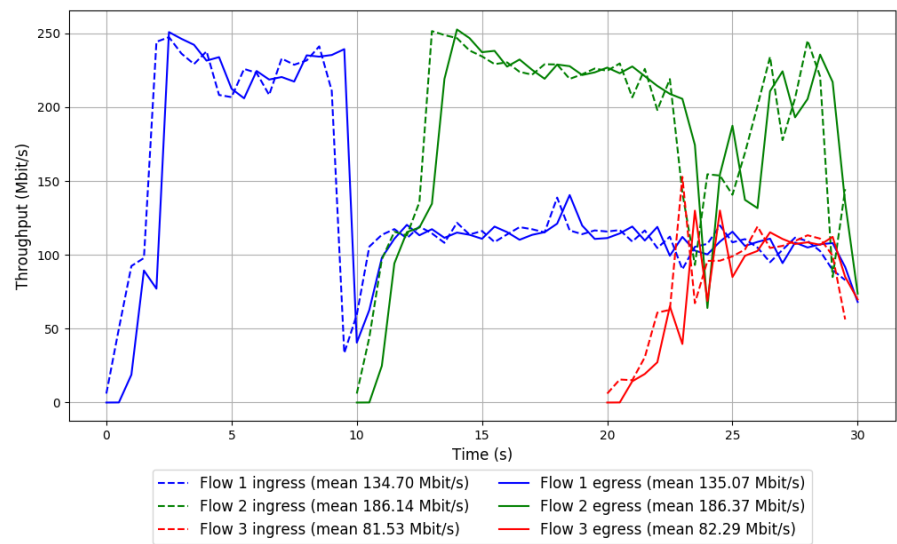


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 19:32:28
End at: 2018-07-18 19:32:58
Local clock offset: -0.315 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 22:29:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.55 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 112.437 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 186.37 Mbit/s
95th percentile per-packet one-way delay: 111.448 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 1.71%

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

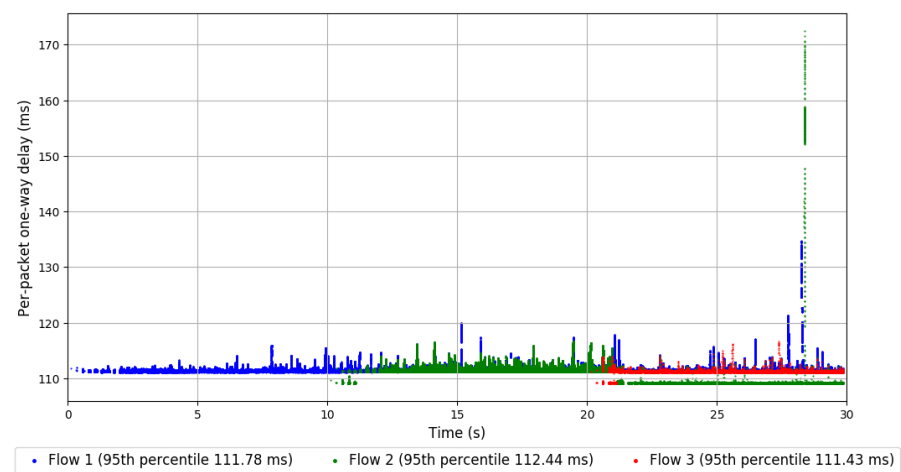
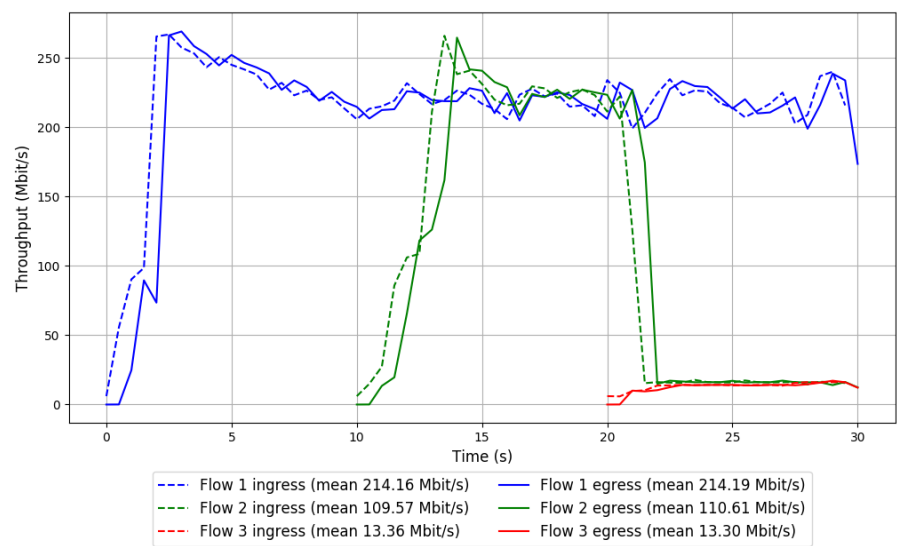


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 19:58:36
End at: 2018-07-18 19:59:06
Local clock offset: -0.069 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.95 Mbit/s
95th percentile per-packet one-way delay: 111.989 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 214.19 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 110.61 Mbit/s
95th percentile per-packet one-way delay: 112.437 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 2.66%

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

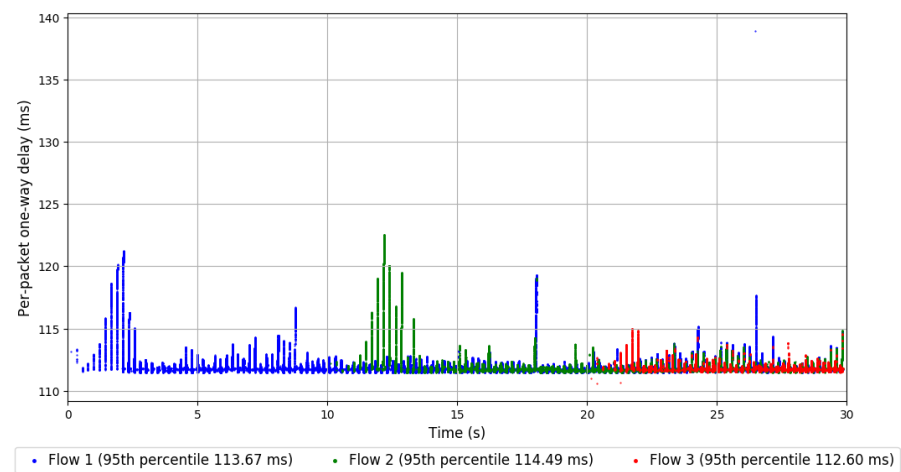
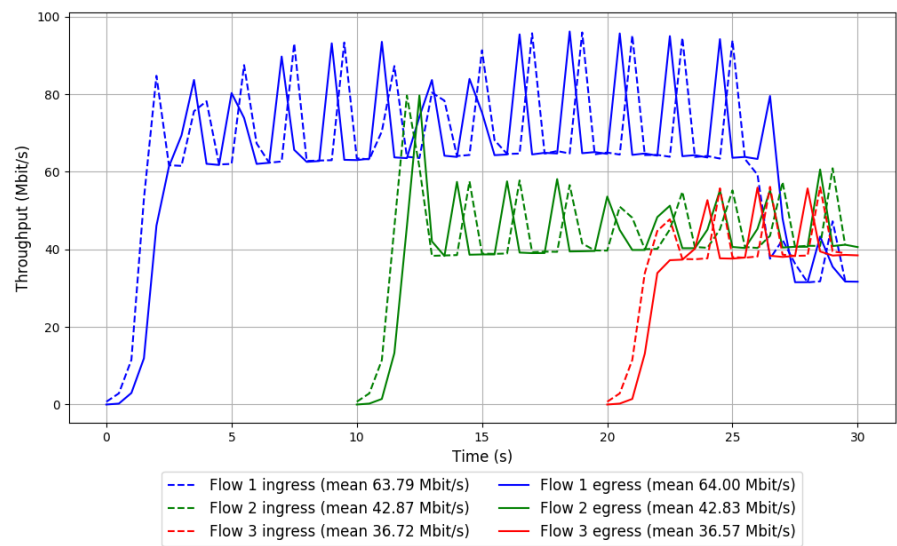


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 15:48:35
End at: 2018-07-18 15:49:05
Local clock offset: -0.104 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 113.723 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 113.673 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 114.494 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 112.600 ms
Loss rate: 2.65%

Run 1: Report of TCP Vegas — Data Link

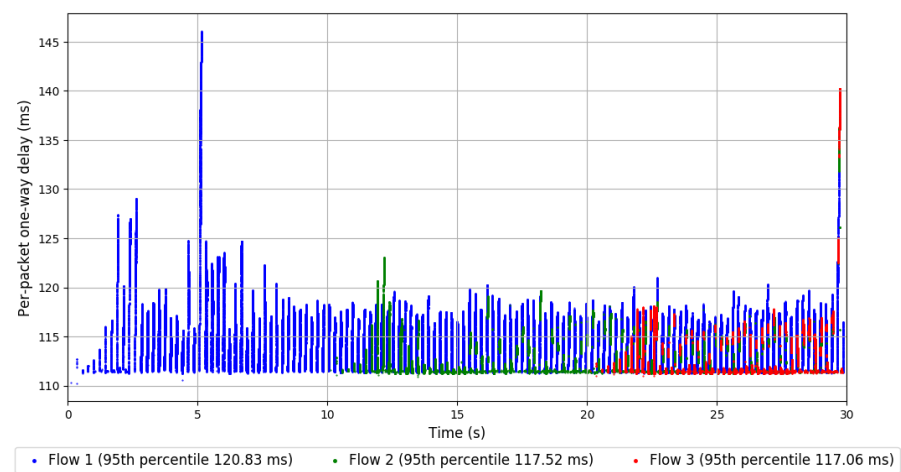
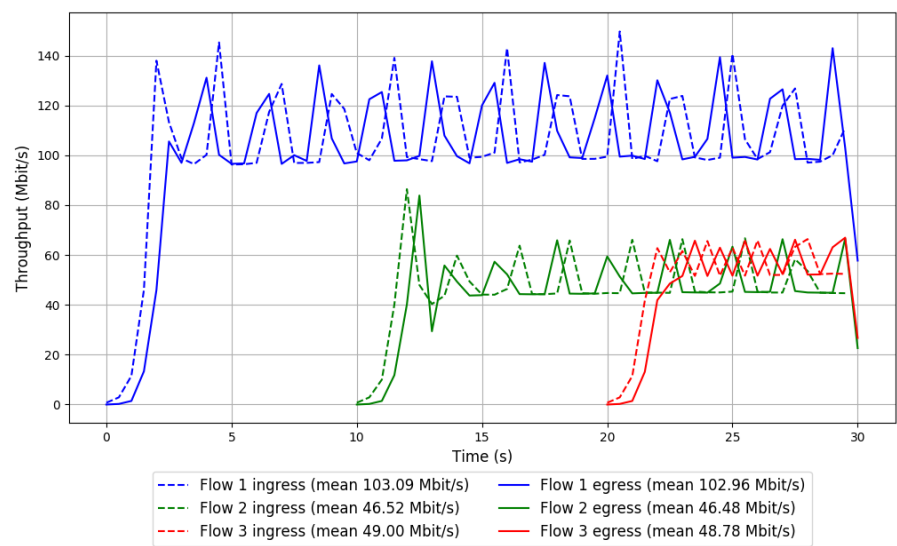


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 16:14:57
End at: 2018-07-18 16:15:27
Local clock offset: 0.007 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.66 Mbit/s
95th percentile per-packet one-way delay: 119.648 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 102.96 Mbit/s
95th percentile per-packet one-way delay: 120.833 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 117.517 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 117.064 ms
Loss rate: 2.68%

Run 2: Report of TCP Vegas — Data Link

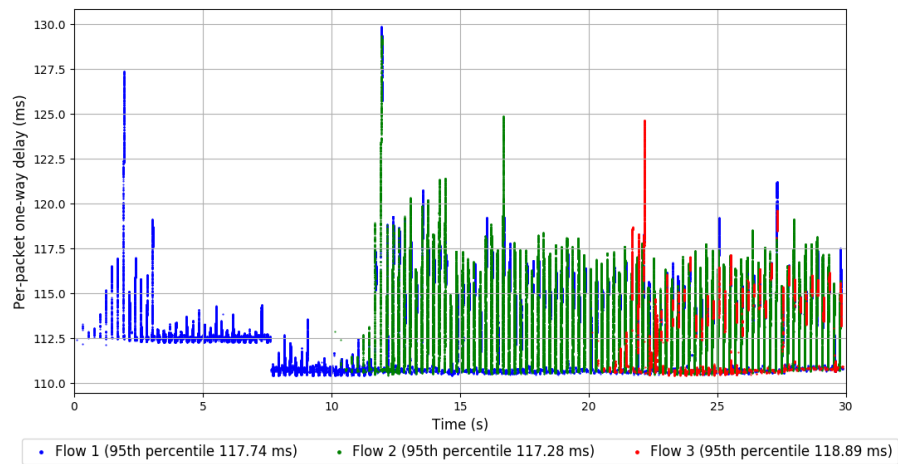
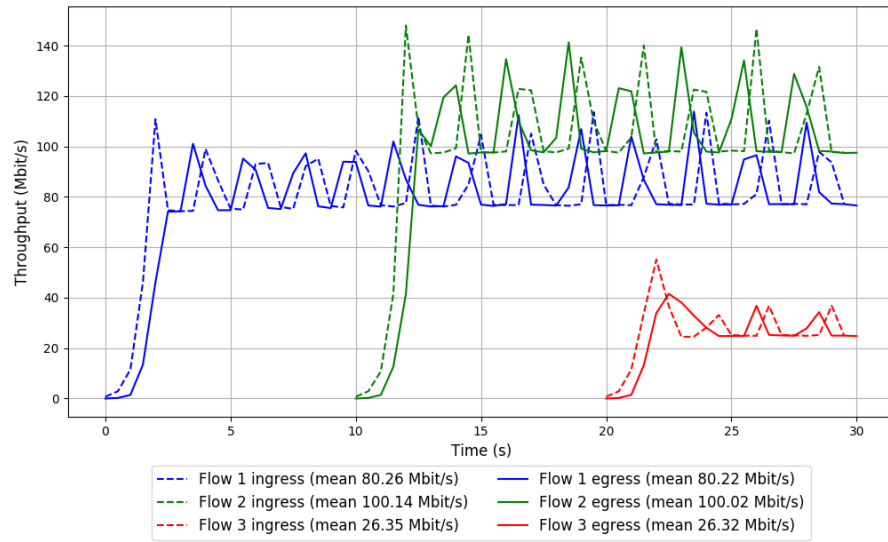


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 16:41:10
End at: 2018-07-18 16:41:40
Local clock offset: 1.048 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.86 Mbit/s
95th percentile per-packet one-way delay: 117.588 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 117.741 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 100.02 Mbit/s
95th percentile per-packet one-way delay: 117.281 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 118.895 ms
Loss rate: 2.37%

Run 3: Report of TCP Vegas — Data Link

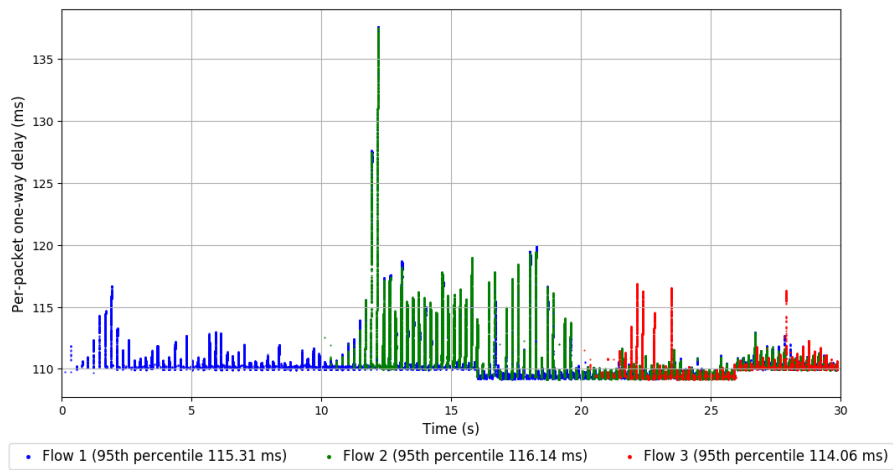
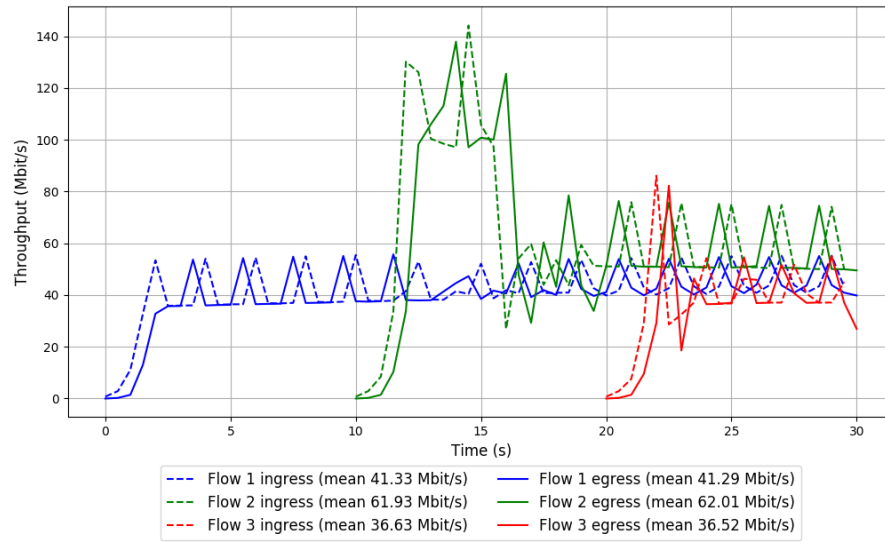


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 17:07:21
End at: 2018-07-18 17:07:51
Local clock offset: -0.506 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 115.672 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 115.309 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 116.141 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 114.062 ms
Loss rate: 2.52%

Run 4: Report of TCP Vegas — Data Link

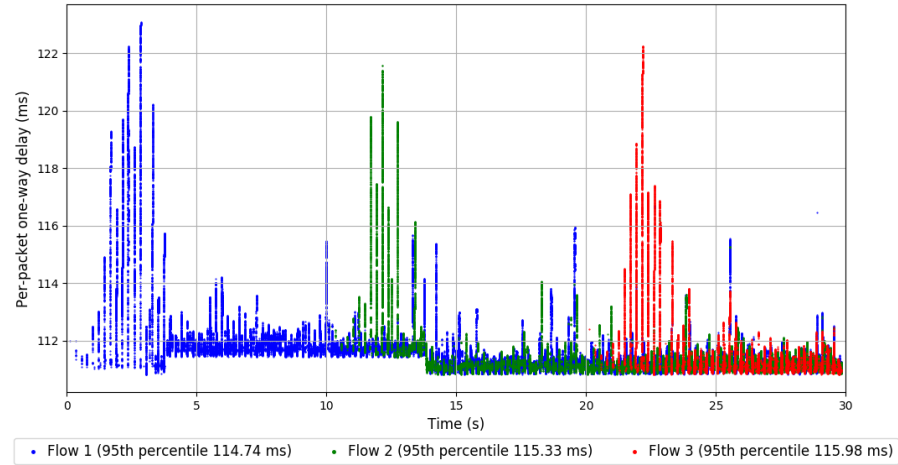
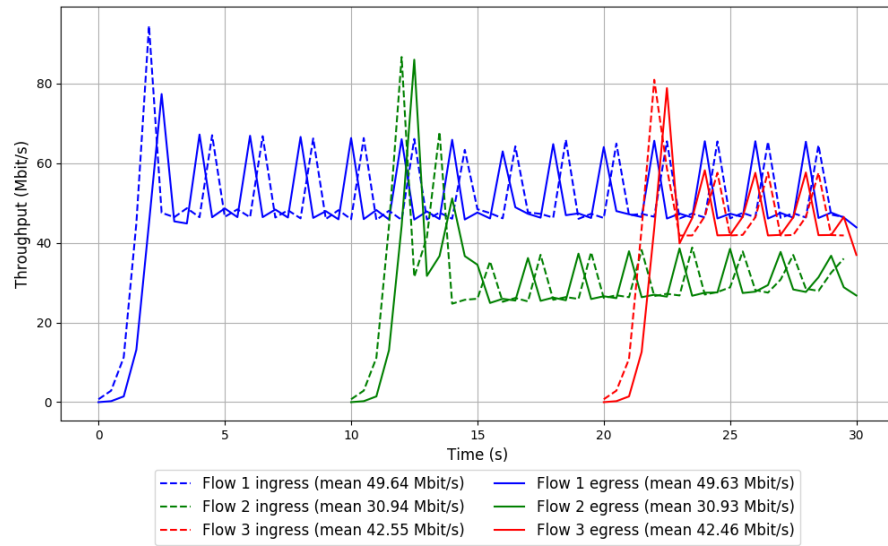


Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 17:33:13
End at: 2018-07-18 17:33:43
Local clock offset: 0.146 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 114.741 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 115.329 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 115.979 ms
Loss rate: 2.47%

Run 5: Report of TCP Vegas — Data Link

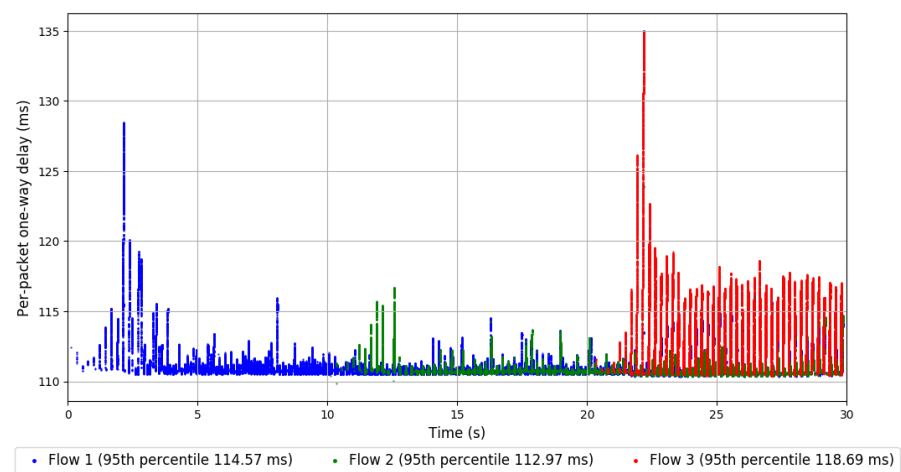
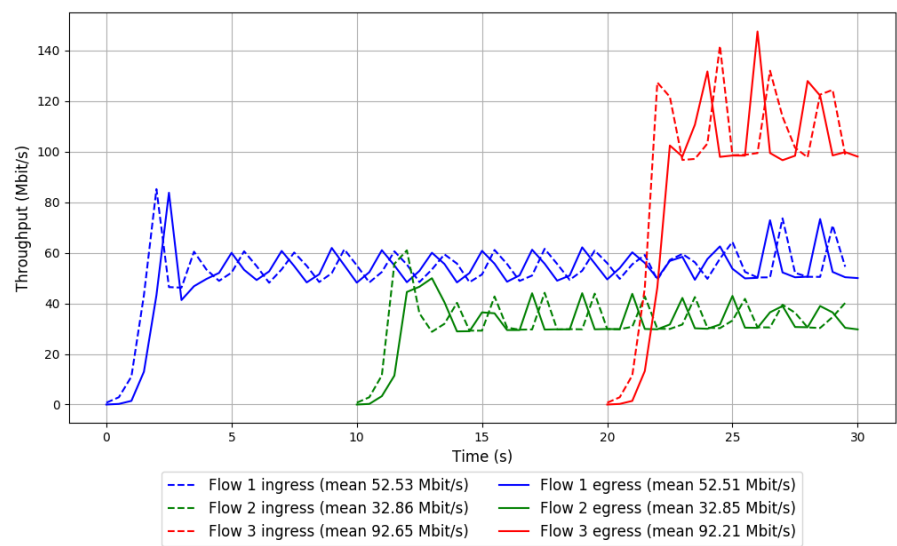


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 17:59:36
End at: 2018-07-18 18:00:06
Local clock offset: -0.45 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.35 Mbit/s
95th percentile per-packet one-way delay: 116.954 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 114.568 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 112.966 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 118.688 ms
Loss rate: 2.69%

Run 6: Report of TCP Vegas — Data Link

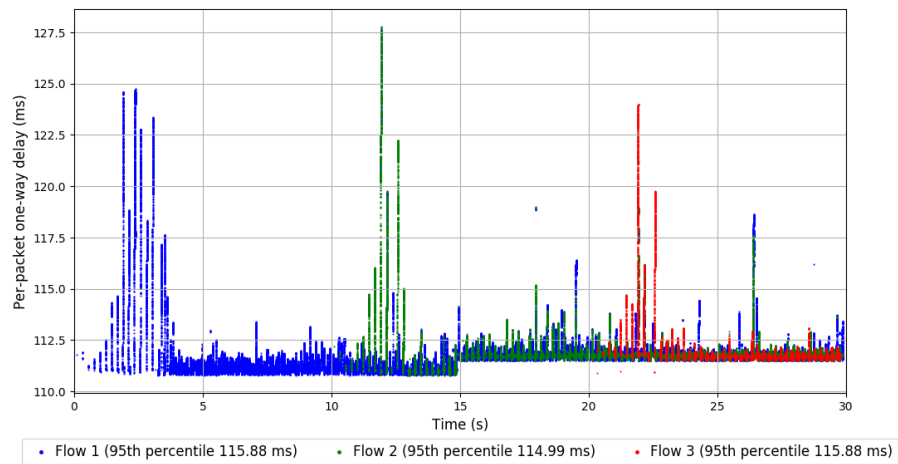
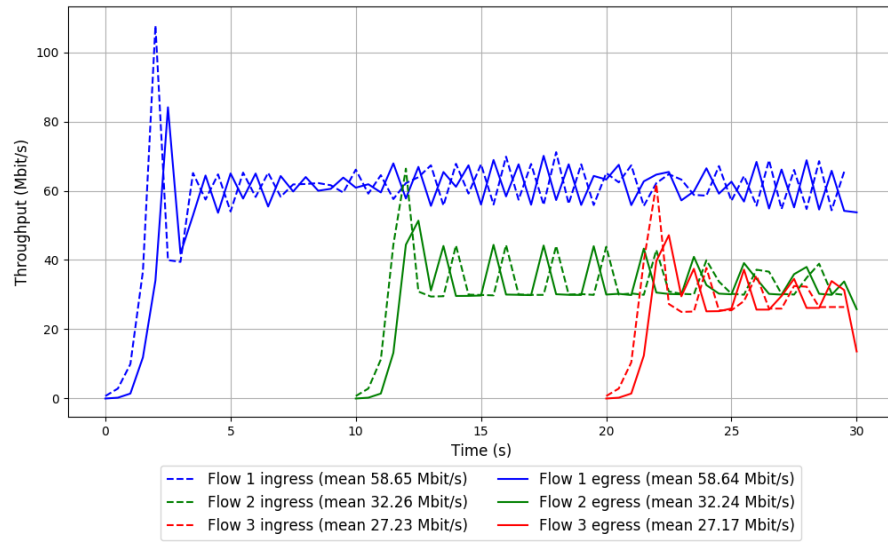


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 18:25:52
End at: 2018-07-18 18:26:22
Local clock offset: 0.192 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 115.516 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 115.880 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 114.990 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 115.877 ms
Loss rate: 2.44%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 18:52:05

End at: 2018-07-18 18:52:35

Local clock offset: 1.259 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-18 22:30:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.63 Mbit/s

95th percentile per-packet one-way delay: 119.718 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 104.07 Mbit/s

95th percentile per-packet one-way delay: 120.651 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 116.904 ms

Loss rate: 1.23%

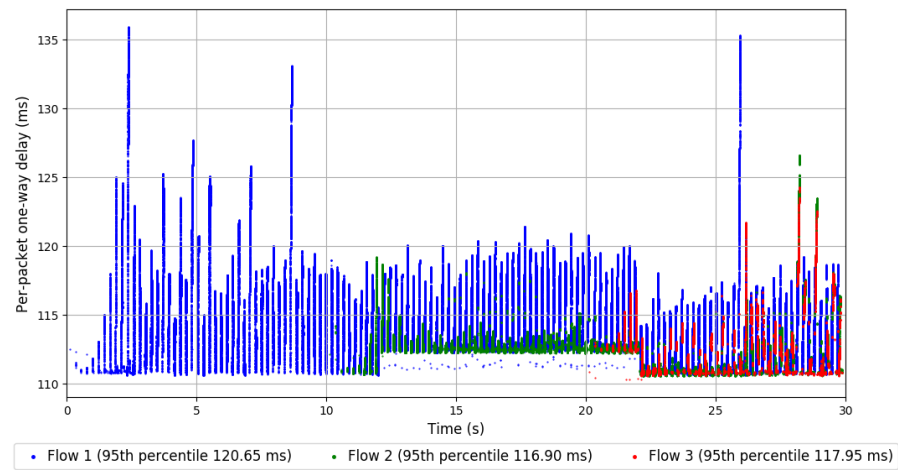
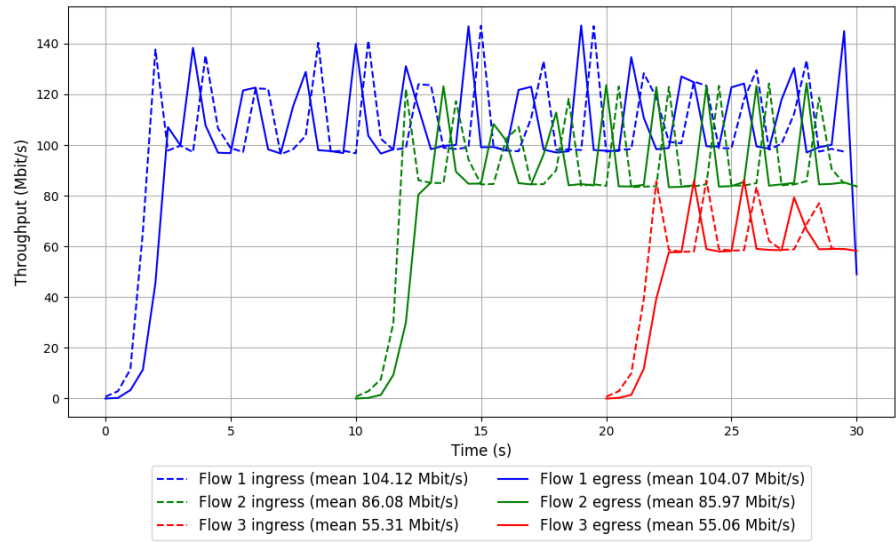
-- Flow 3:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 117.951 ms

Loss rate: 2.67%

Run 8: Report of TCP Vegas — Data Link

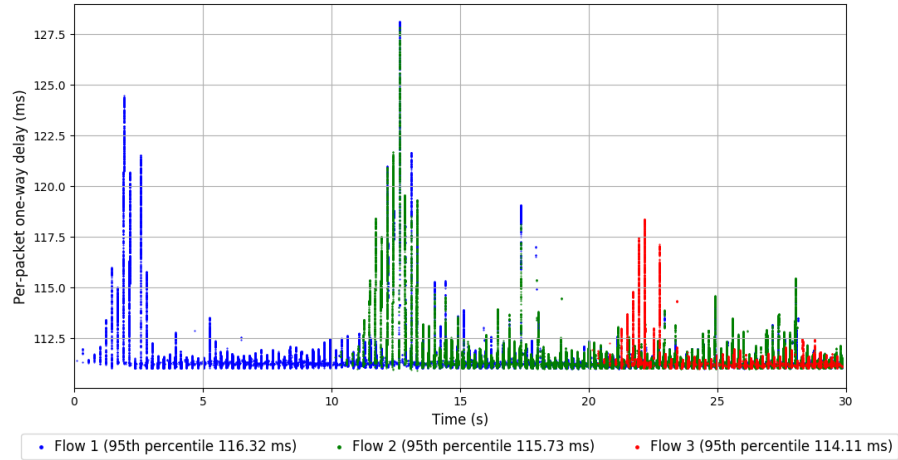
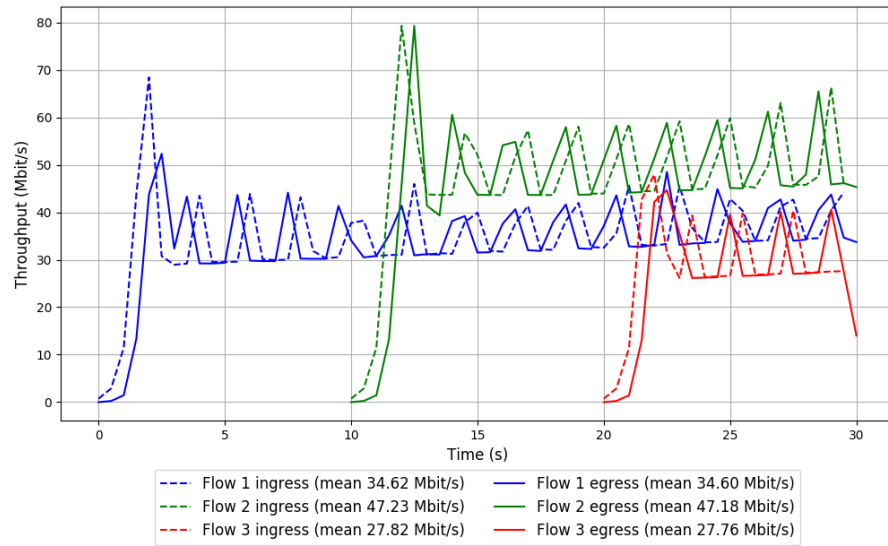


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 19:18:34
End at: 2018-07-18 19:19:04
Local clock offset: -0.164 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-18 22:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 115.745 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 116.316 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 115.735 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 114.114 ms
Loss rate: 2.48%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 19:44:33

End at: 2018-07-18 19:45:03

Local clock offset: -1.469 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-07-18 22:30:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.36 Mbit/s

95th percentile per-packet one-way delay: 118.603 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 116.551 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 71.23 Mbit/s

95th percentile per-packet one-way delay: 119.240 ms

Loss rate: 0.52%

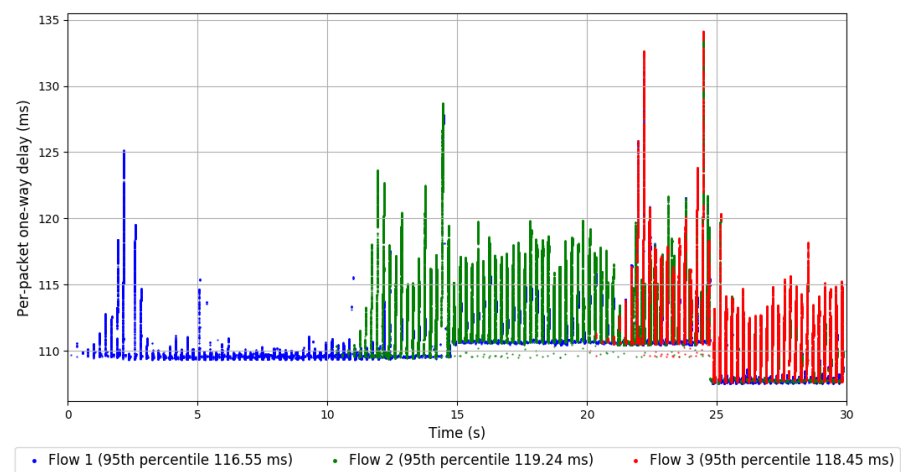
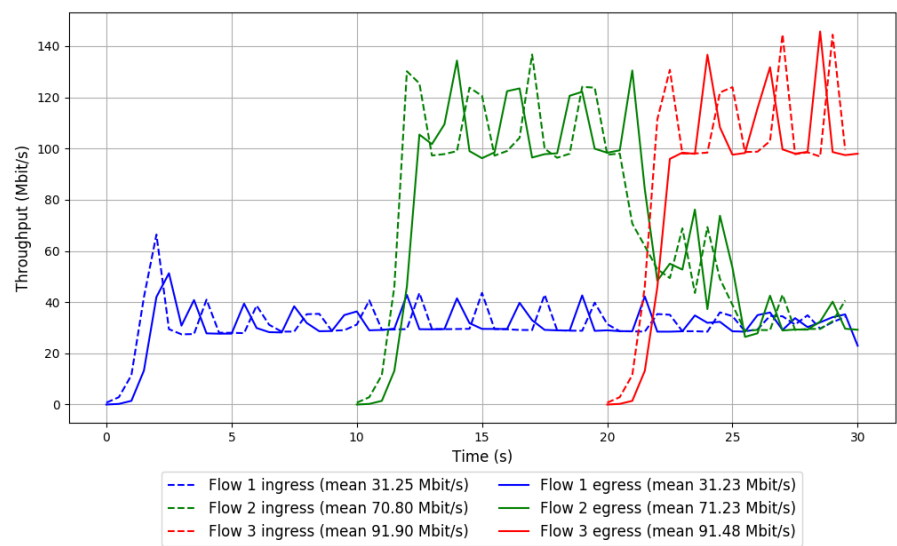
-- Flow 3:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 118.446 ms

Loss rate: 2.66%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-18 16:13:23

End at: 2018-07-18 16:13:53

Local clock offset: 1.229 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-07-18 22:32:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.29 Mbit/s

95th percentile per-packet one-way delay: 189.634 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 195.33 Mbit/s

95th percentile per-packet one-way delay: 193.840 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 106.81 Mbit/s

95th percentile per-packet one-way delay: 176.732 ms

Loss rate: 0.00%

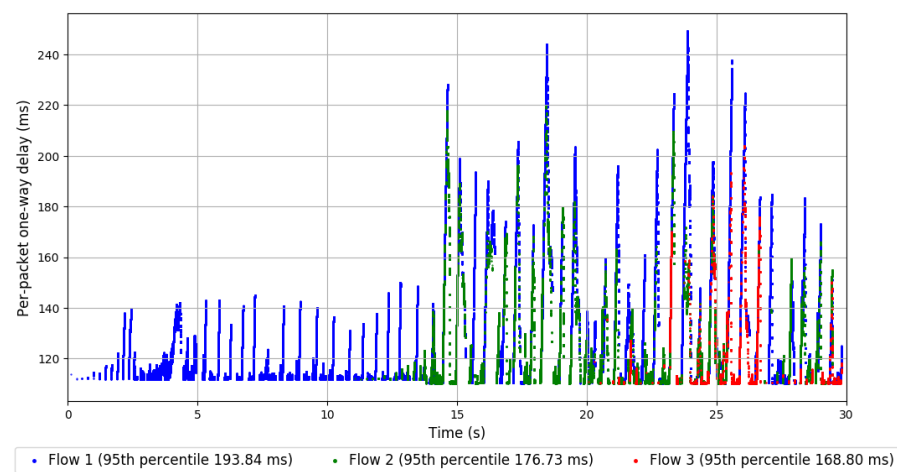
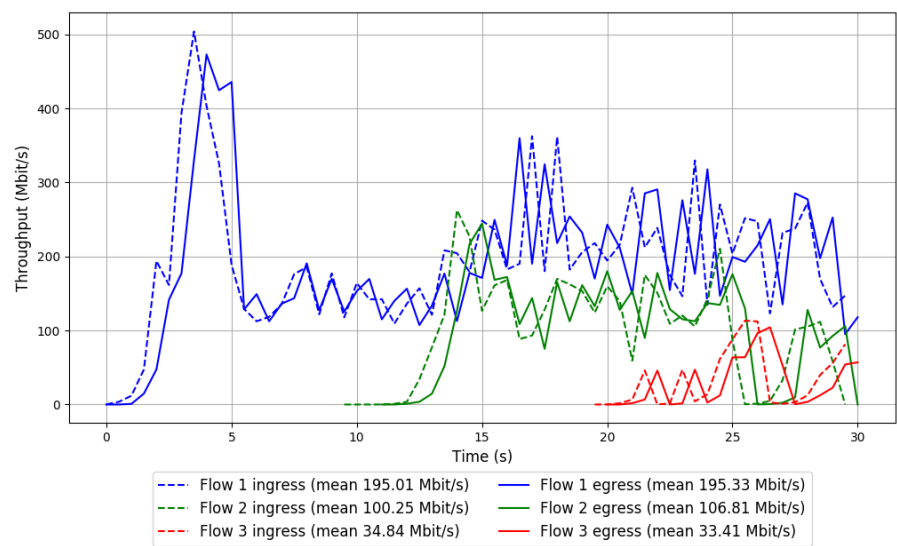
-- Flow 3:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 168.801 ms

Loss rate: 6.28%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-18 16:39:38

End at: 2018-07-18 16:40:08

Local clock offset: 0.013 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-18 22:32:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.89 Mbit/s

95th percentile per-packet one-way delay: 157.258 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 205.12 Mbit/s

95th percentile per-packet one-way delay: 155.294 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 168.160 ms

Loss rate: 0.00%

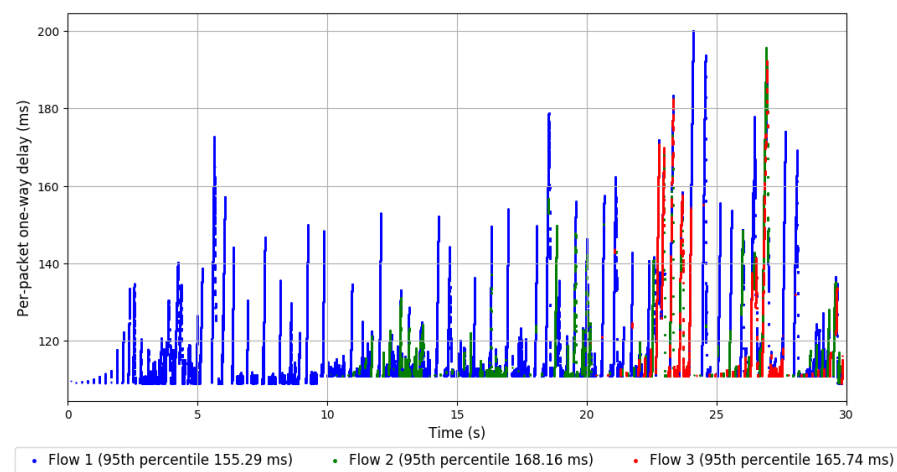
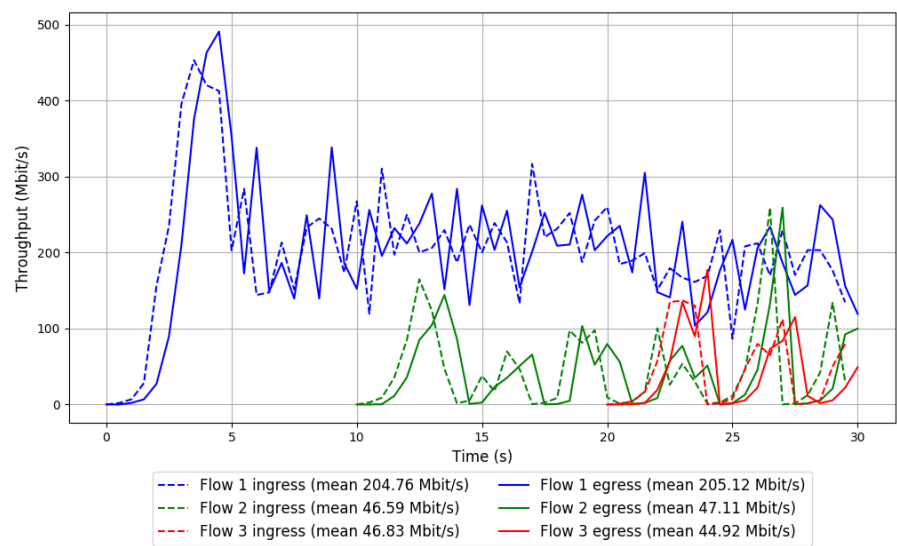
-- Flow 3:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 165.738 ms

Loss rate: 6.30%

Run 2: Report of Verus — Data Link

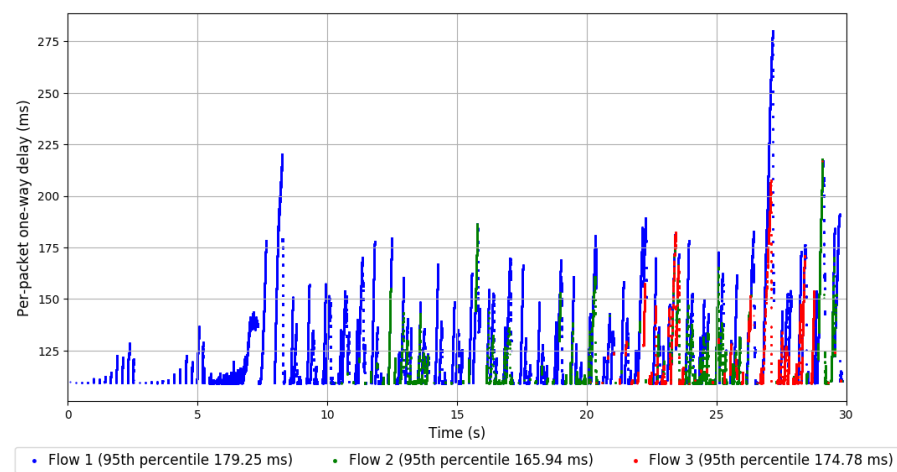
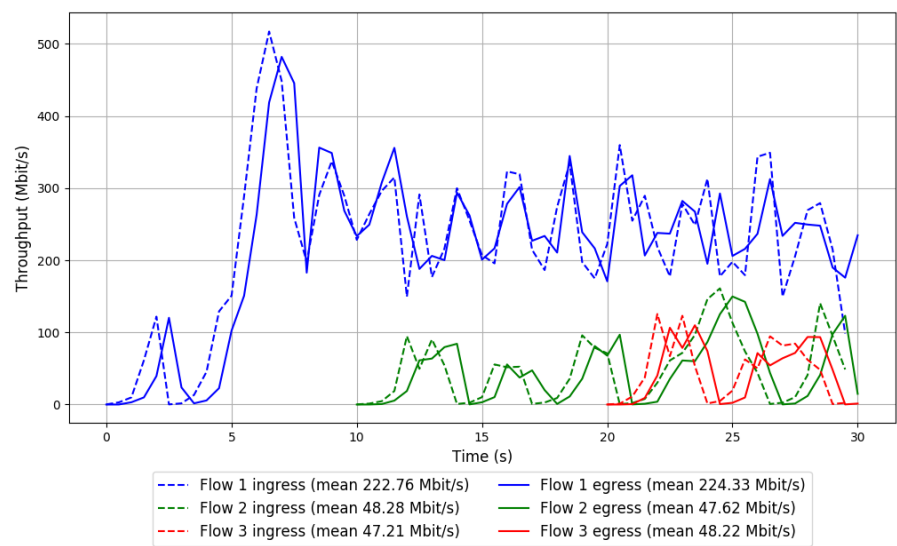


Run 3: Statistics of Verus

Start at: 2018-07-18 17:05:48
End at: 2018-07-18 17:06:18
Local clock offset: -0.296 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-18 22:32:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.50 Mbit/s
95th percentile per-packet one-way delay: 178.460 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 224.33 Mbit/s
95th percentile per-packet one-way delay: 179.247 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 165.941 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 174.778 ms
Loss rate: 0.17%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-18 17:31:43

End at: 2018-07-18 17:32:13

Local clock offset: -1.138 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-18 22:32:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.85 Mbit/s

95th percentile per-packet one-way delay: 196.838 ms

Loss rate: 2.26%

-- Flow 1:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 199.015 ms

Loss rate: 4.75%

-- Flow 2:

Average throughput: 178.47 Mbit/s

95th percentile per-packet one-way delay: 180.747 ms

Loss rate: 0.14%

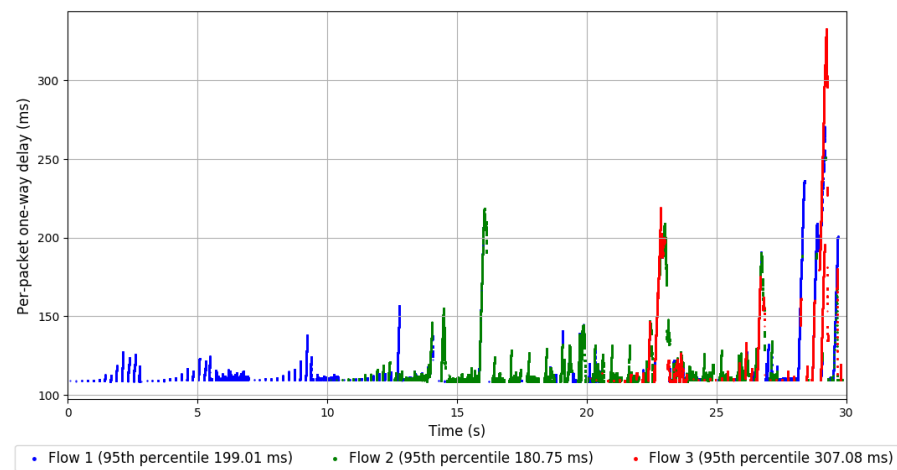
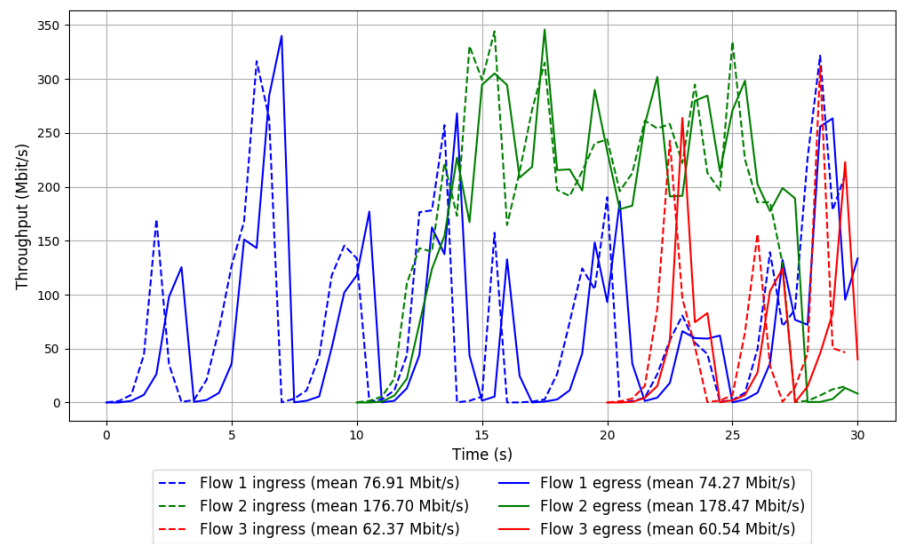
-- Flow 3:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 307.084 ms

Loss rate: 5.08%

Run 4: Report of Verus — Data Link

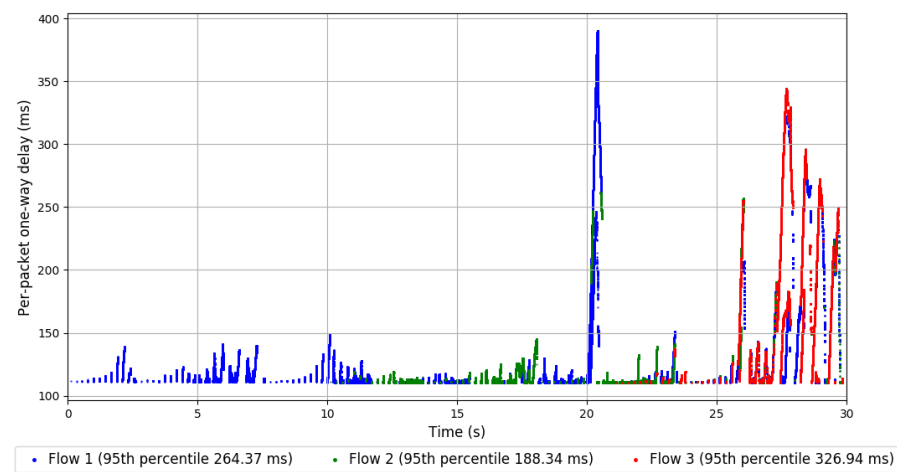
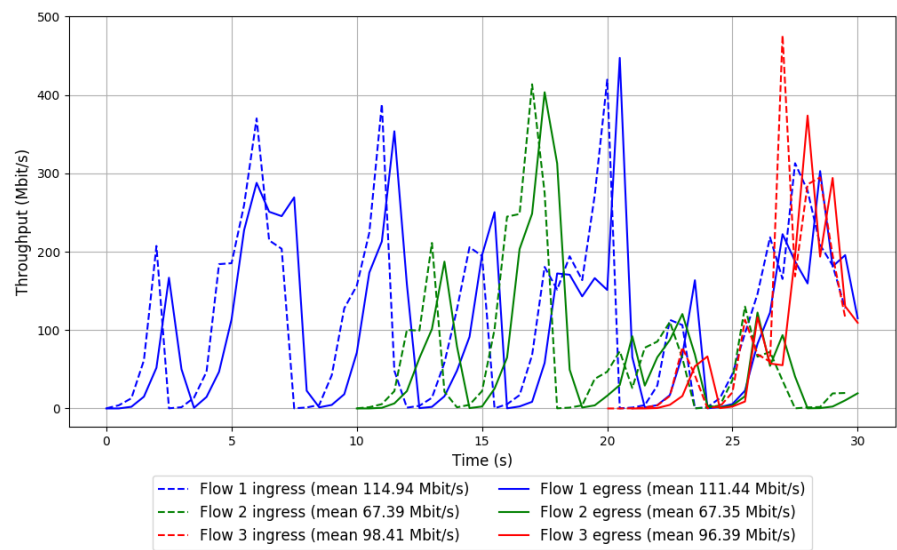


Run 5: Statistics of Verus

Start at: 2018-07-18 17:58:07
End at: 2018-07-18 17:58:37
Local clock offset: 0.167 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-18 22:32:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.92 Mbit/s
95th percentile per-packet one-way delay: 270.469 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 111.44 Mbit/s
95th percentile per-packet one-way delay: 264.366 ms
Loss rate: 4.09%
-- Flow 2:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 188.342 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 326.943 ms
Loss rate: 13.70%

Run 5: Report of Verus — Data Link

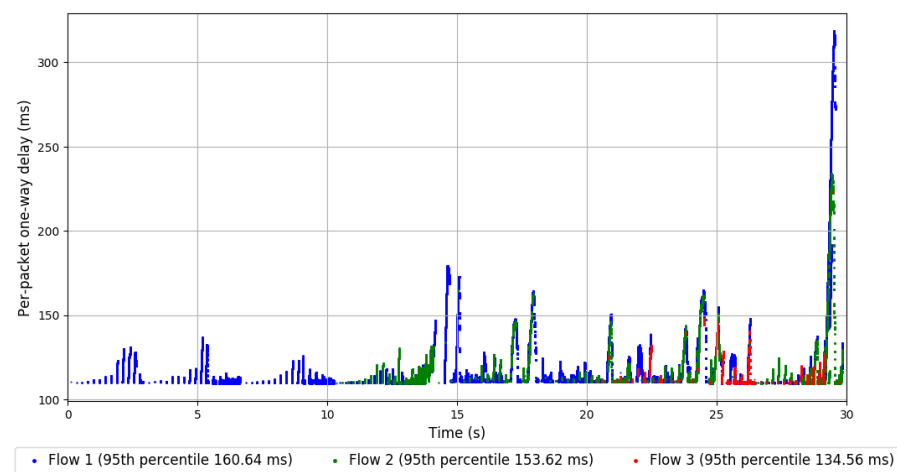
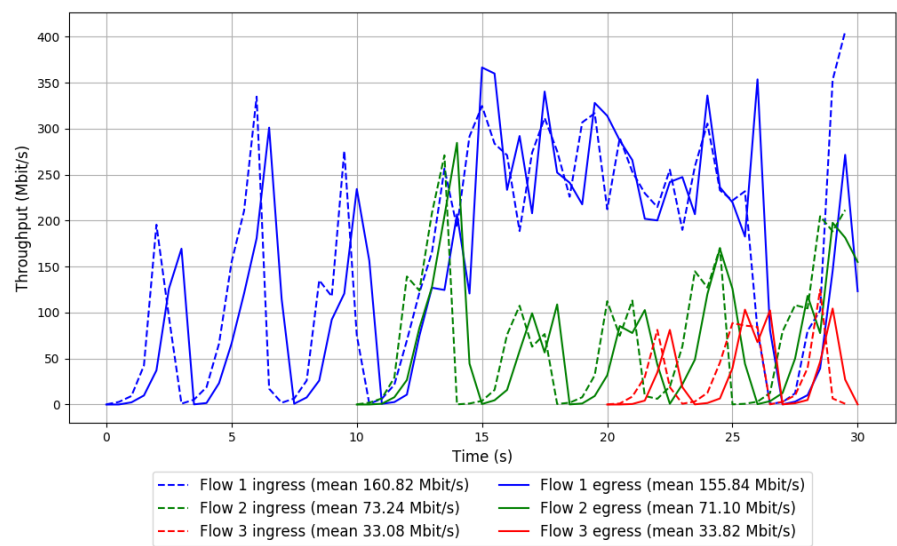


Run 6: Statistics of Verus

Start at: 2018-07-18 18:24:23
End at: 2018-07-18 18:24:53
Local clock offset: -0.391 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-18 22:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.86 Mbit/s
95th percentile per-packet one-way delay: 158.062 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 155.84 Mbit/s
95th percentile per-packet one-way delay: 160.636 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 71.10 Mbit/s
95th percentile per-packet one-way delay: 153.618 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 134.557 ms
Loss rate: 0.11%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-18 18:50:28

End at: 2018-07-18 18:50:58

Local clock offset: 0.183 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-18 22:34:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.22 Mbit/s

95th percentile per-packet one-way delay: 193.793 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 198.26 Mbit/s

95th percentile per-packet one-way delay: 184.612 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 142.85 Mbit/s

95th percentile per-packet one-way delay: 201.800 ms

Loss rate: 1.35%

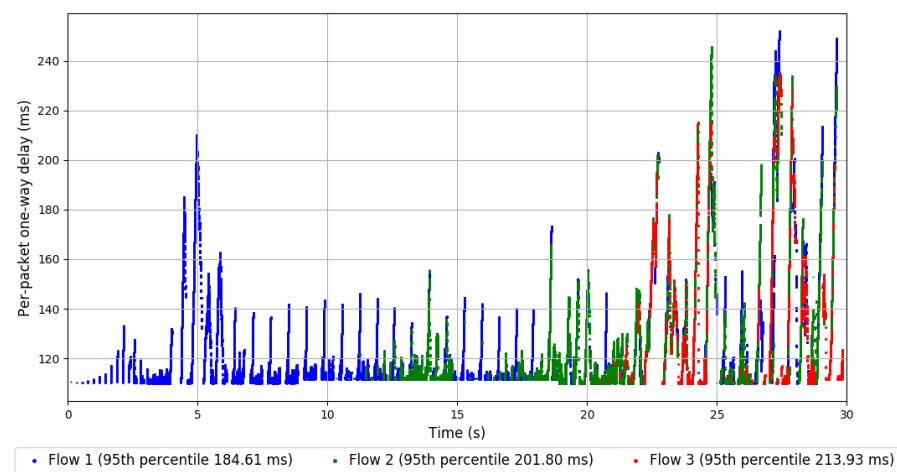
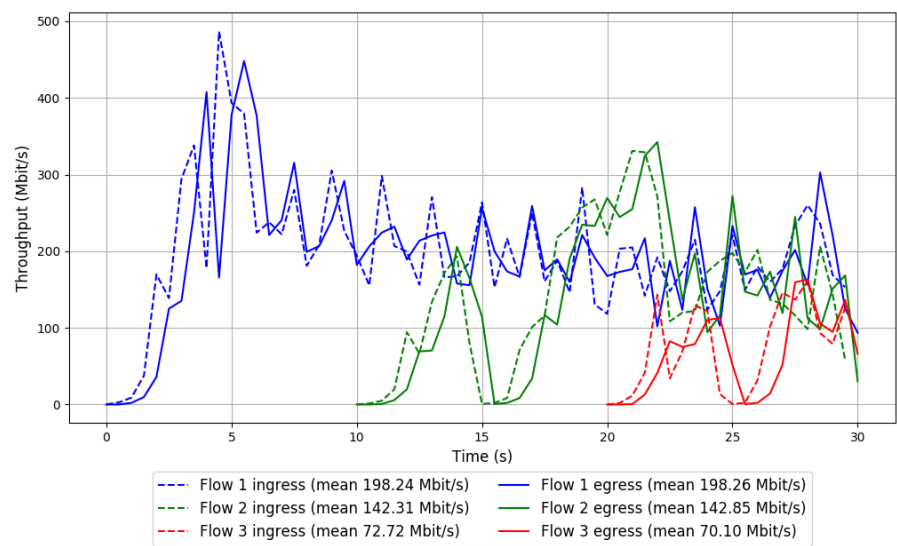
-- Flow 3:

Average throughput: 70.10 Mbit/s

95th percentile per-packet one-way delay: 213.928 ms

Loss rate: 5.81%

Run 7: Report of Verus — Data Link

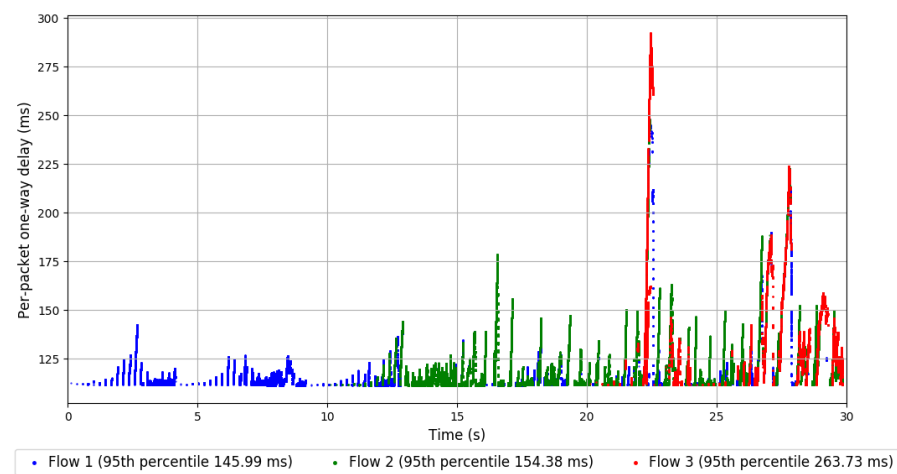
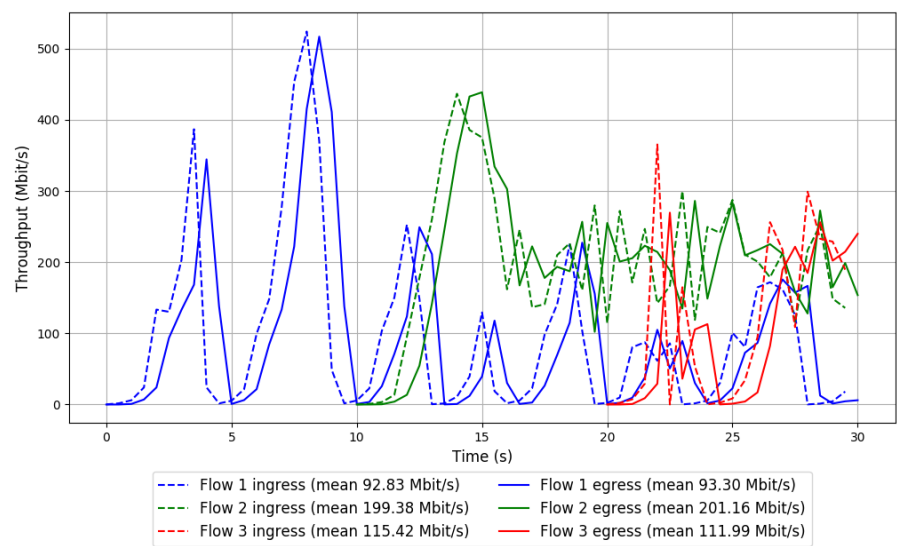


Run 8: Statistics of Verus

Start at: 2018-07-18 19:17:00
End at: 2018-07-18 19:17:30
Local clock offset: -0.15 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-18 22:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.89 Mbit/s
95th percentile per-packet one-way delay: 169.997 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 145.993 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 201.16 Mbit/s
95th percentile per-packet one-way delay: 154.378 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 111.99 Mbit/s
95th percentile per-packet one-way delay: 263.730 ms
Loss rate: 5.15%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 19:42:57

End at: 2018-07-18 19:43:27

Local clock offset: -0.199 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-07-18 22:36:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.52 Mbit/s

95th percentile per-packet one-way delay: 275.238 ms

Loss rate: 4.96%

-- Flow 1:

Average throughput: 161.21 Mbit/s

95th percentile per-packet one-way delay: 236.792 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 184.34 Mbit/s

95th percentile per-packet one-way delay: 298.141 ms

Loss rate: 7.02%

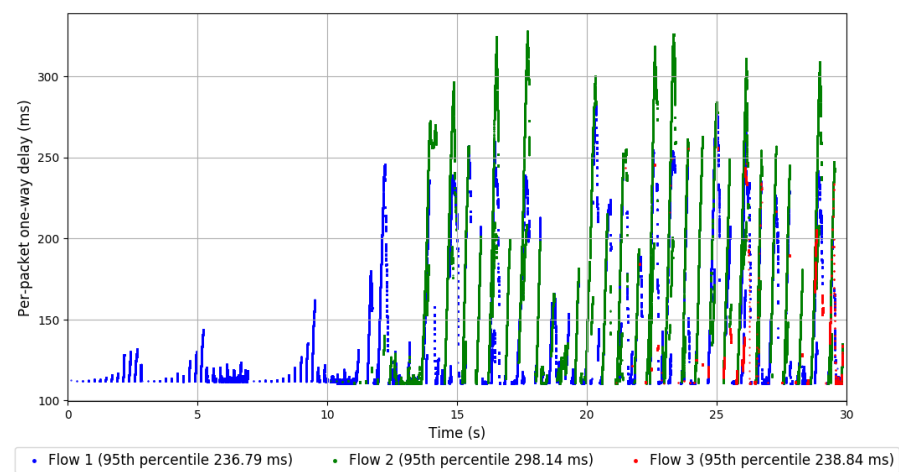
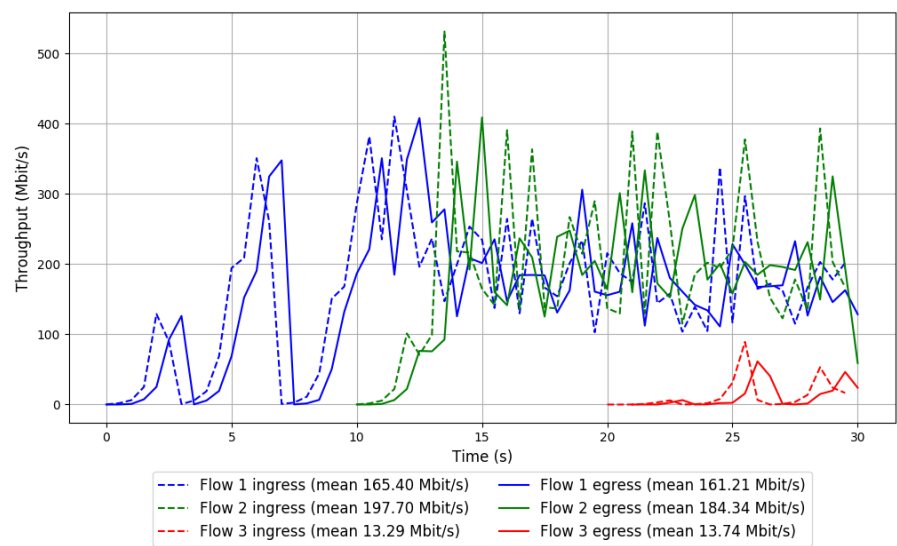
-- Flow 3:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 238.840 ms

Loss rate: 7.55%

Run 9: Report of Verus — Data Link

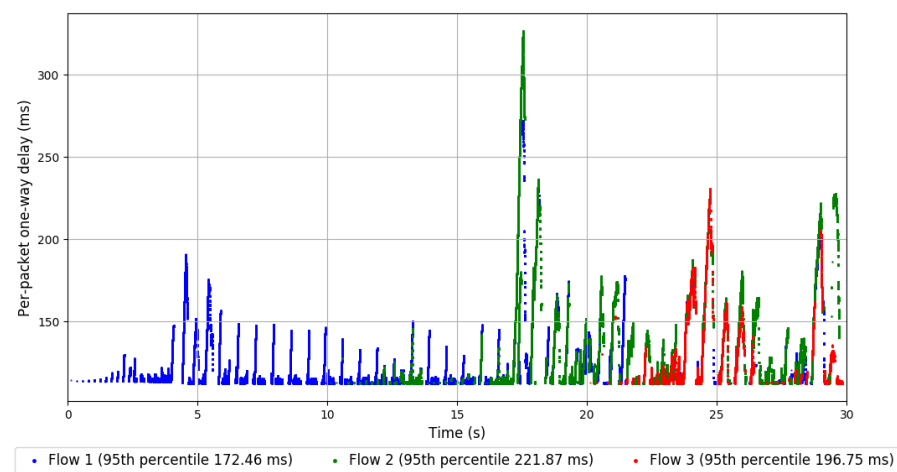
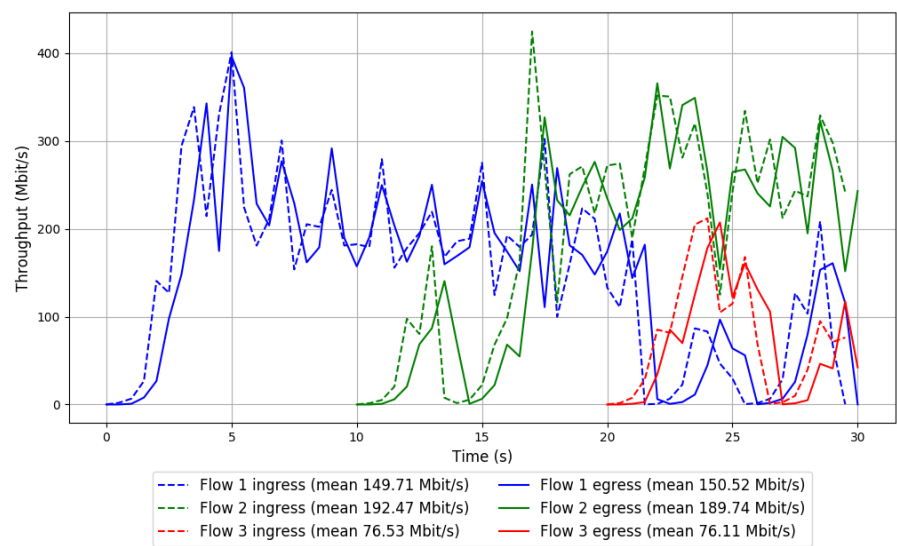


Run 10: Statistics of Verus

Start at: 2018-07-18 20:09:03
End at: 2018-07-18 20:09:33
Local clock offset: 1.054 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 22:36:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.93 Mbit/s
95th percentile per-packet one-way delay: 199.928 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 150.52 Mbit/s
95th percentile per-packet one-way delay: 172.456 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 189.74 Mbit/s
95th percentile per-packet one-way delay: 221.873 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 196.748 ms
Loss rate: 2.74%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 16:11:33

End at: 2018-07-18 16:12:03

Local clock offset: -0.033 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-18 22:40:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.05 Mbit/s

95th percentile per-packet one-way delay: 112.223 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 306.87 Mbit/s

95th percentile per-packet one-way delay: 112.214 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 207.20 Mbit/s

95th percentile per-packet one-way delay: 112.649 ms

Loss rate: 2.03%

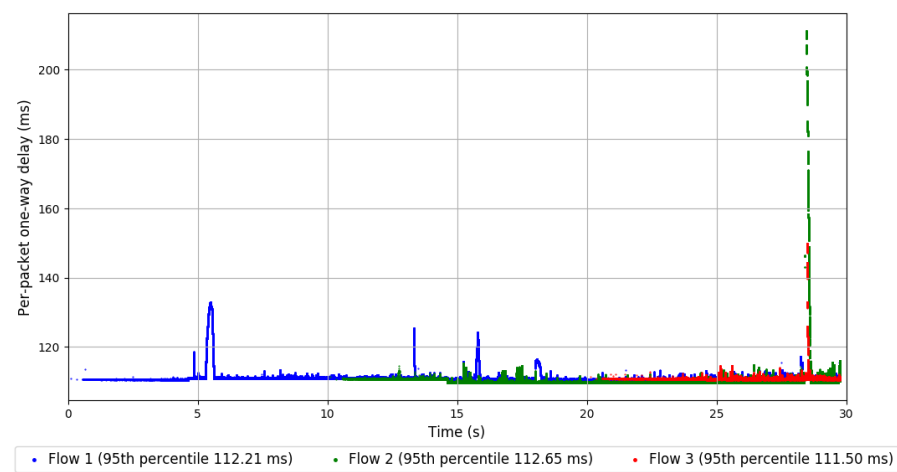
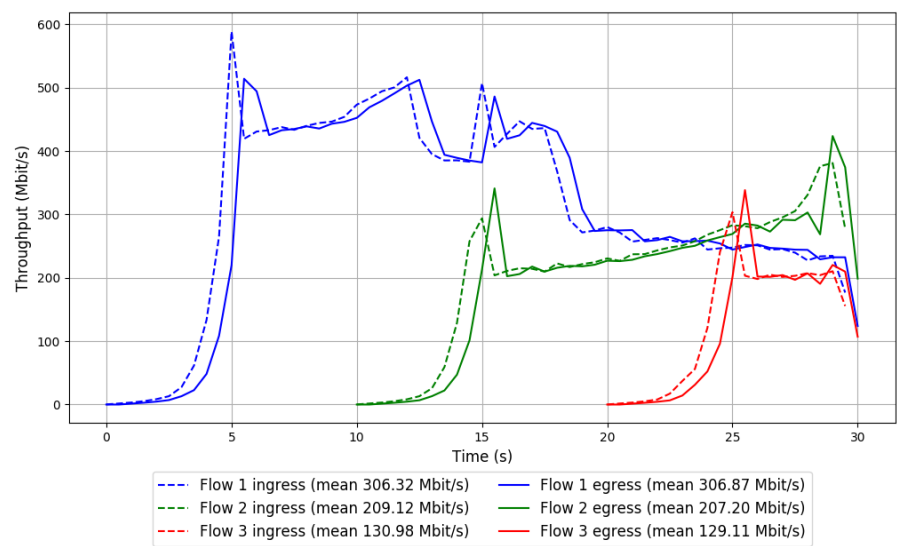
-- Flow 3:

Average throughput: 129.11 Mbit/s

95th percentile per-packet one-way delay: 111.495 ms

Loss rate: 3.65%

Run 1: Report of PCC-Vivace — Data Link

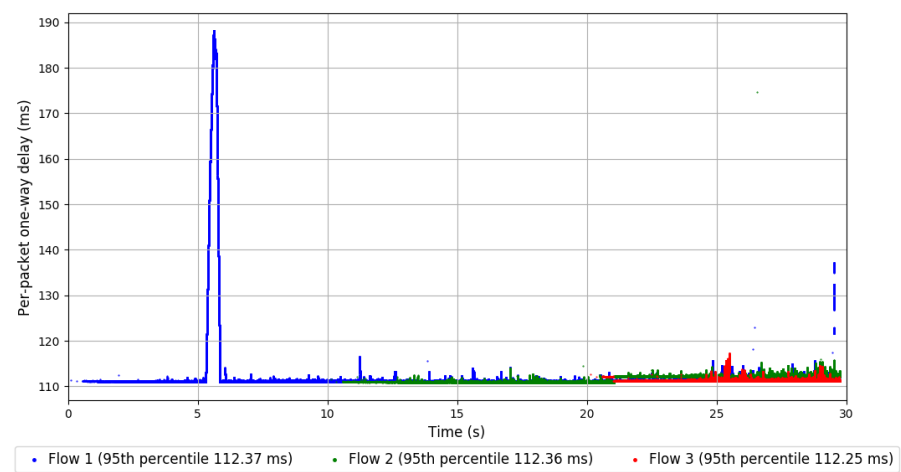
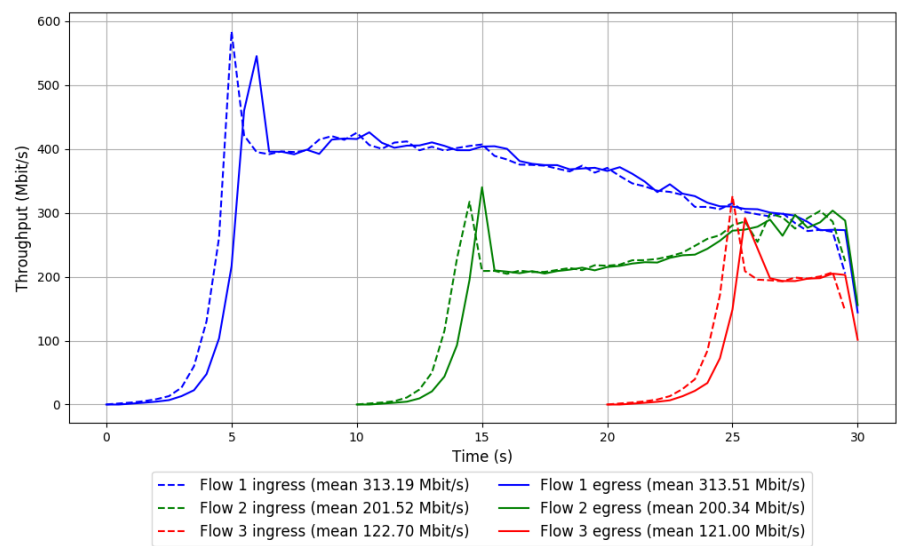


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 16:37:46
End at: 2018-07-18 16:38:16
Local clock offset: -0.087 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-18 22:40:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.42 Mbit/s
95th percentile per-packet one-way delay: 112.355 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 313.51 Mbit/s
95th percentile per-packet one-way delay: 112.374 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 200.34 Mbit/s
95th percentile per-packet one-way delay: 112.359 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 3.70%

Run 2: Report of PCC-Vivace — Data Link

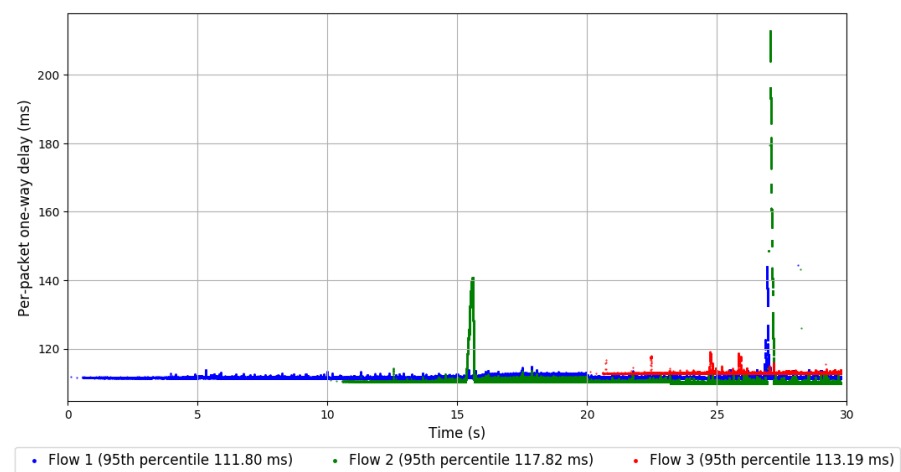
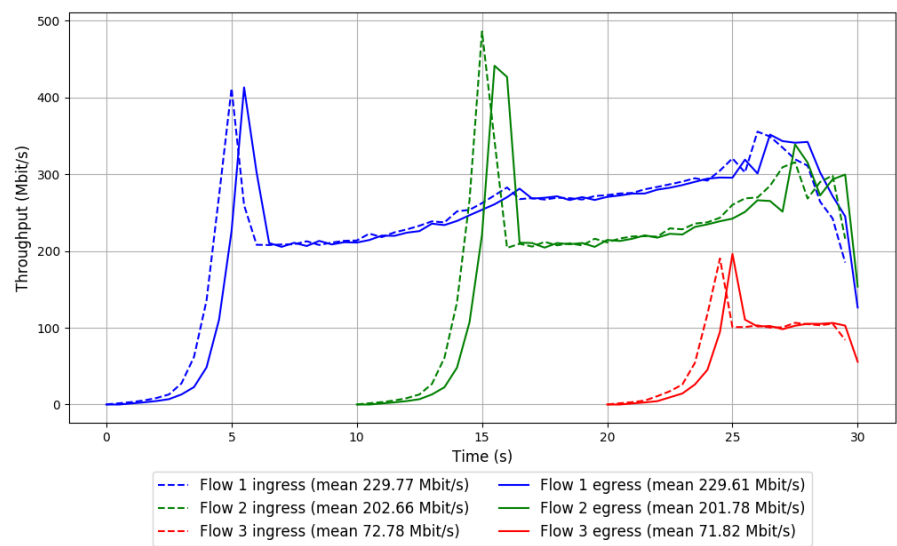


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 17:04:04
End at: 2018-07-18 17:04:34
Local clock offset: -0.008 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-07-18 22:40:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.66 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 229.61 Mbit/s
95th percentile per-packet one-way delay: 111.800 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 201.78 Mbit/s
95th percentile per-packet one-way delay: 117.817 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 113.195 ms
Loss rate: 3.57%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 17:30:02

End at: 2018-07-18 17:30:32

Local clock offset: -1.511 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-18 22:40:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.06 Mbit/s

95th percentile per-packet one-way delay: 110.606 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 178.82 Mbit/s

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

Loss rate: 1.52%

-- Flow 2:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 110.459 ms

Loss rate: 1.35%

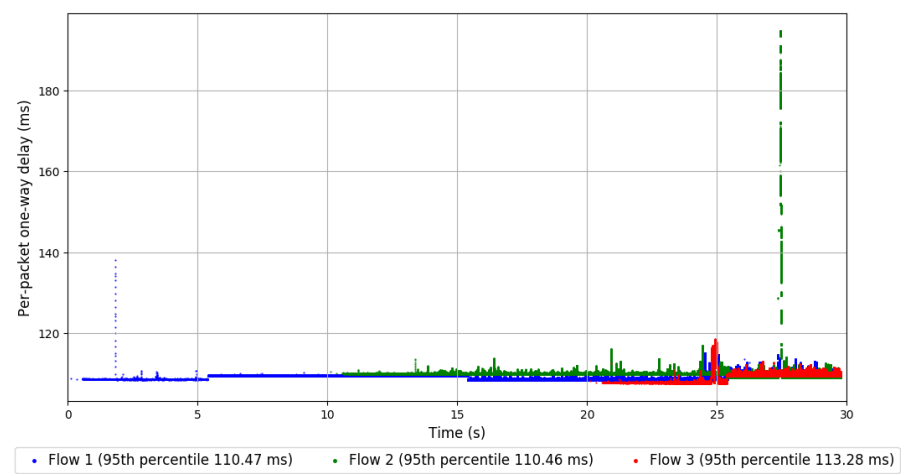
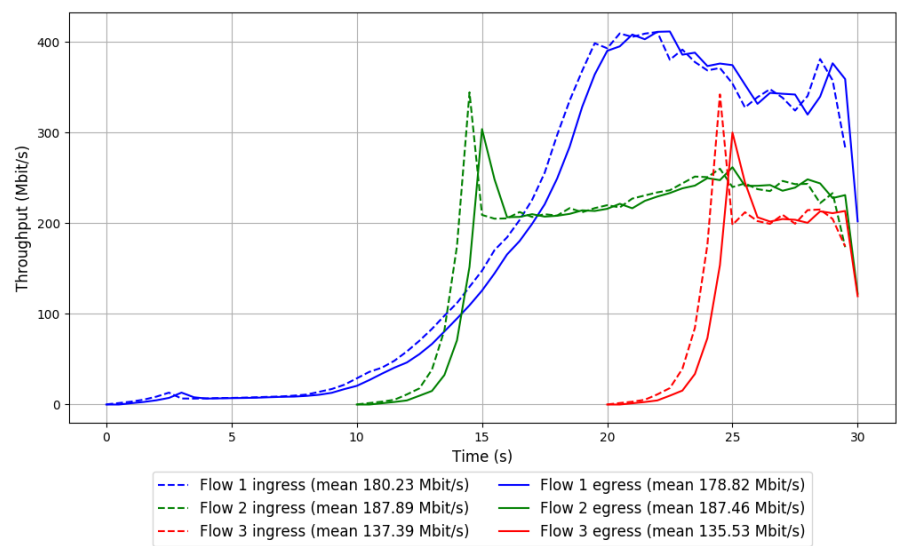
-- Flow 3:

Average throughput: 135.53 Mbit/s

95th percentile per-packet one-way delay: 113.277 ms

Loss rate: 3.58%

Run 4: Report of PCC-Vivace — Data Link

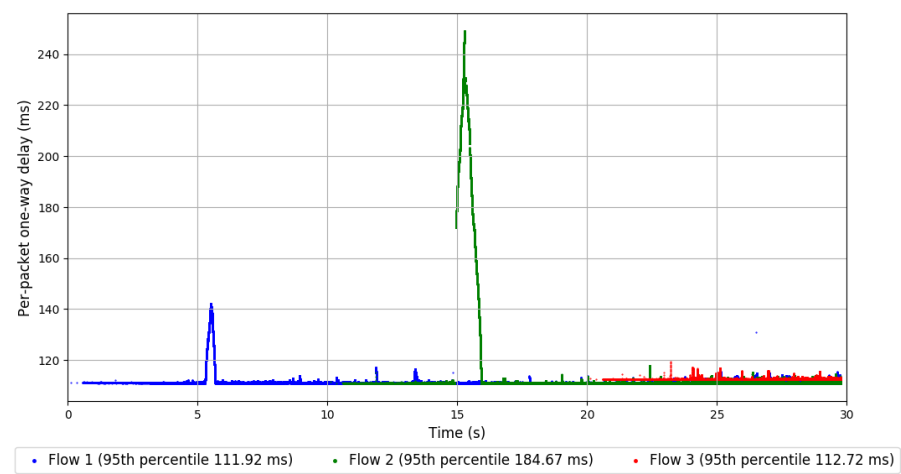
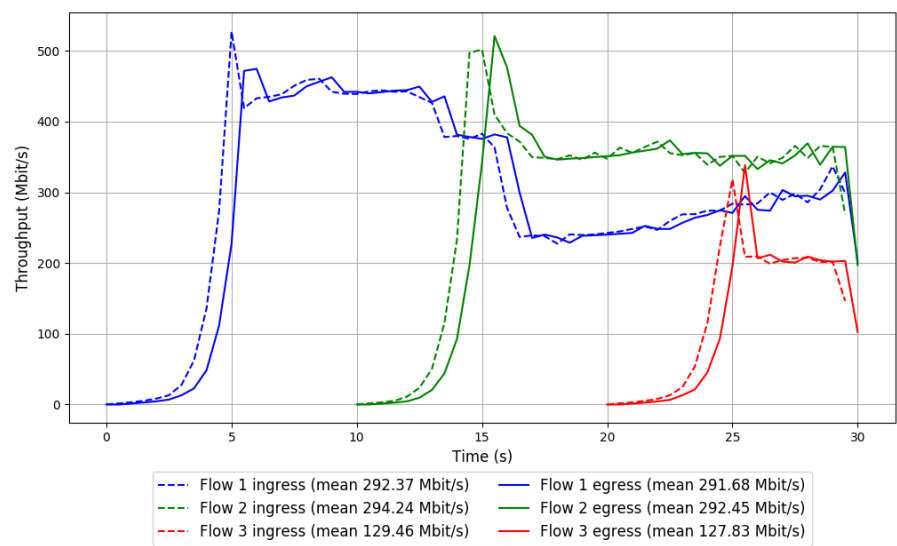


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 17:56:13
End at: 2018-07-18 17:56:43
Local clock offset: -0.121 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-18 22:43:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.97 Mbit/s
95th percentile per-packet one-way delay: 113.656 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 291.68 Mbit/s
95th percentile per-packet one-way delay: 111.919 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 292.45 Mbit/s
95th percentile per-packet one-way delay: 184.672 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 127.83 Mbit/s
95th percentile per-packet one-way delay: 112.722 ms
Loss rate: 3.51%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 18:22:26

End at: 2018-07-18 18:22:56

Local clock offset: -0.246 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-18 22:43:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 562.63 Mbit/s

95th percentile per-packet one-way delay: 112.232 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 324.95 Mbit/s

95th percentile per-packet one-way delay: 111.964 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 297.29 Mbit/s

95th percentile per-packet one-way delay: 112.640 ms

Loss rate: 1.41%

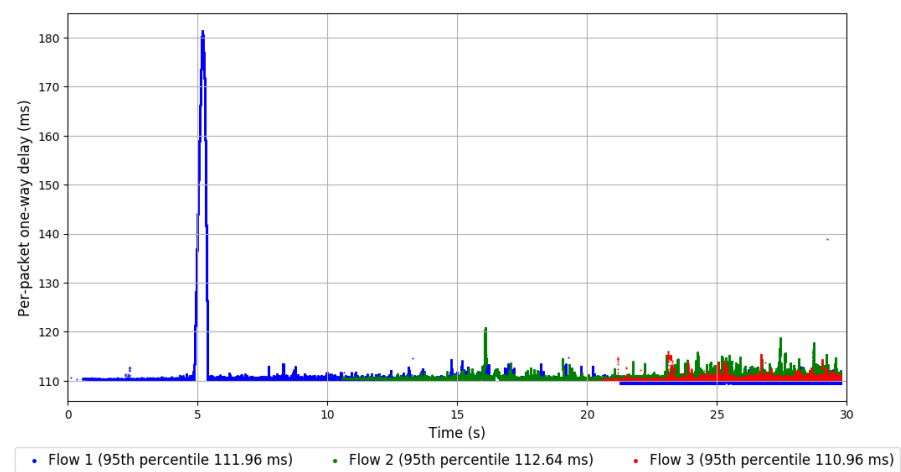
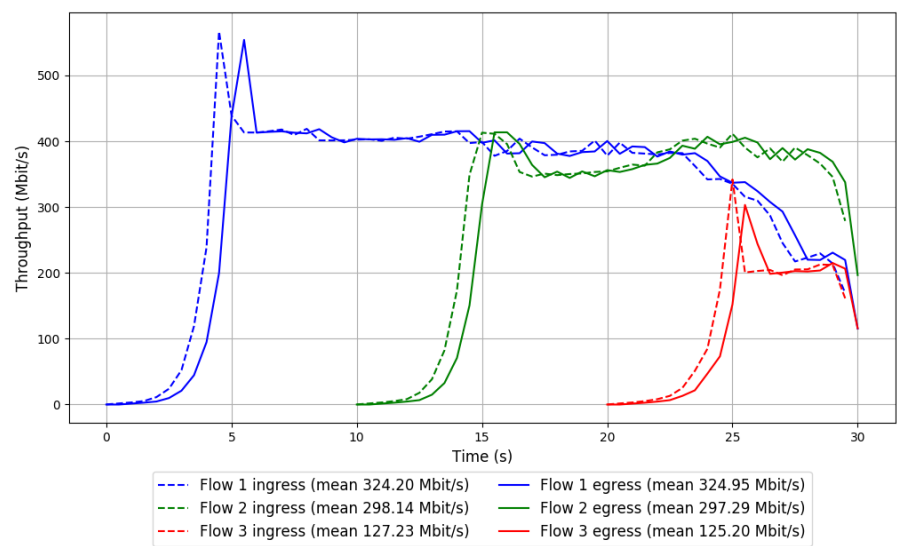
-- Flow 3:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 110.959 ms

Loss rate: 3.83%

Run 6: Report of PCC-Vivace — Data Link

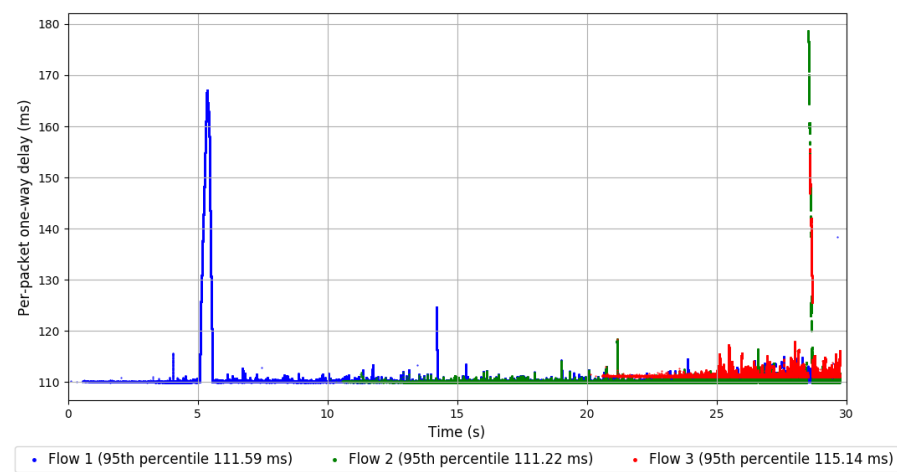
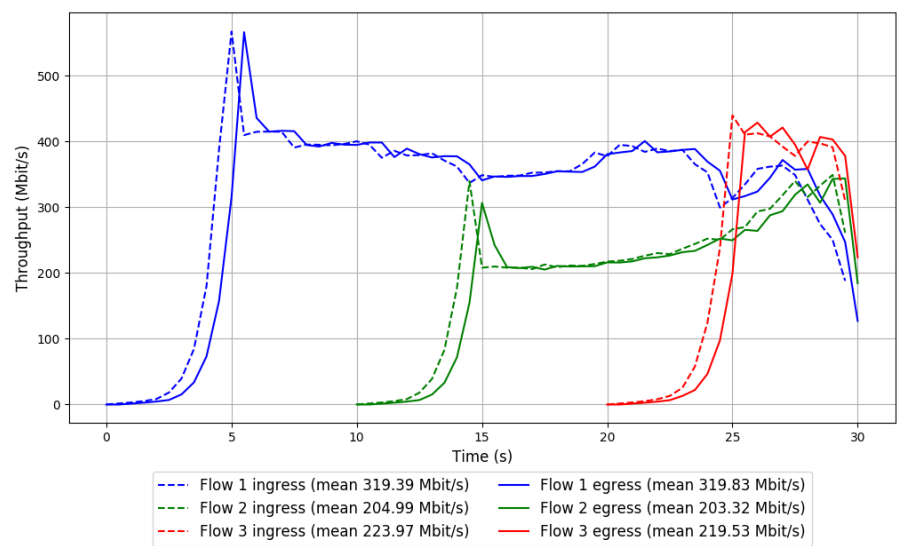


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 18:48:35
End at: 2018-07-18 18:49:05
Local clock offset: -0.161 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-18 22:44:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.87 Mbit/s
95th percentile per-packet one-way delay: 112.391 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 319.83 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 203.32 Mbit/s
95th percentile per-packet one-way delay: 111.223 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 219.53 Mbit/s
95th percentile per-packet one-way delay: 115.140 ms
Loss rate: 4.21%

Run 7: Report of PCC-Vivace — Data Link

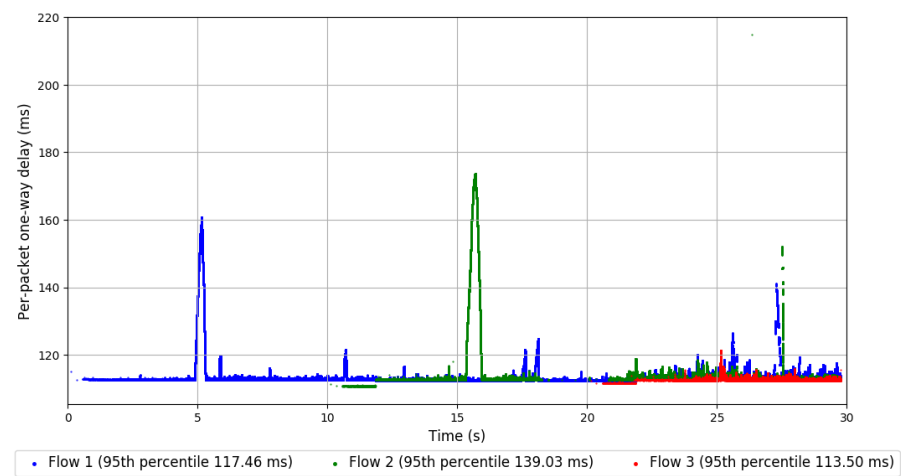
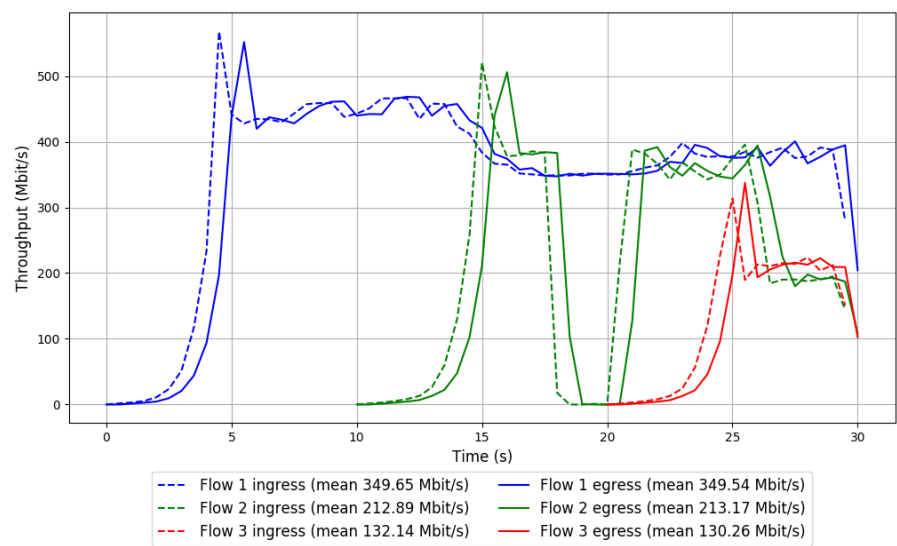


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 19:15:05
End at: 2018-07-18 19:15:35
Local clock offset: 1.419 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-18 22:44:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 533.12 Mbit/s
95th percentile per-packet one-way delay: 118.216 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 349.54 Mbit/s
95th percentile per-packet one-way delay: 117.458 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 213.17 Mbit/s
95th percentile per-packet one-way delay: 139.033 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 130.26 Mbit/s
95th percentile per-packet one-way delay: 113.502 ms
Loss rate: 3.65%

Run 8: Report of PCC-Vivace — Data Link

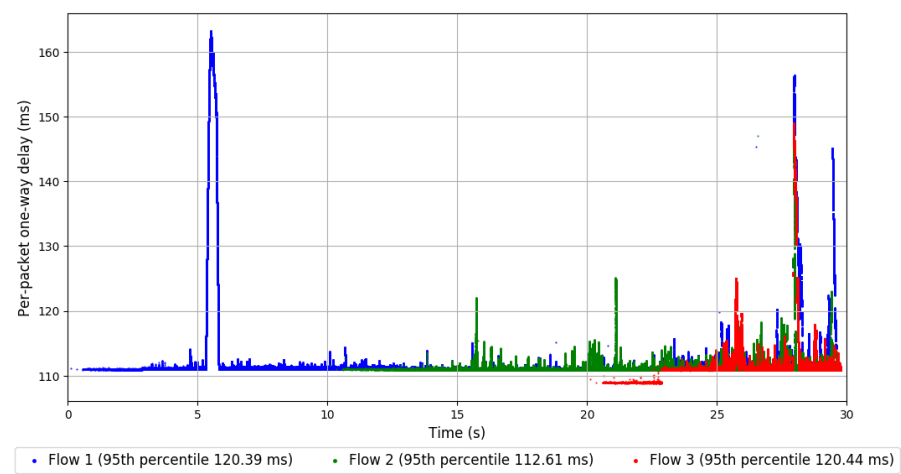
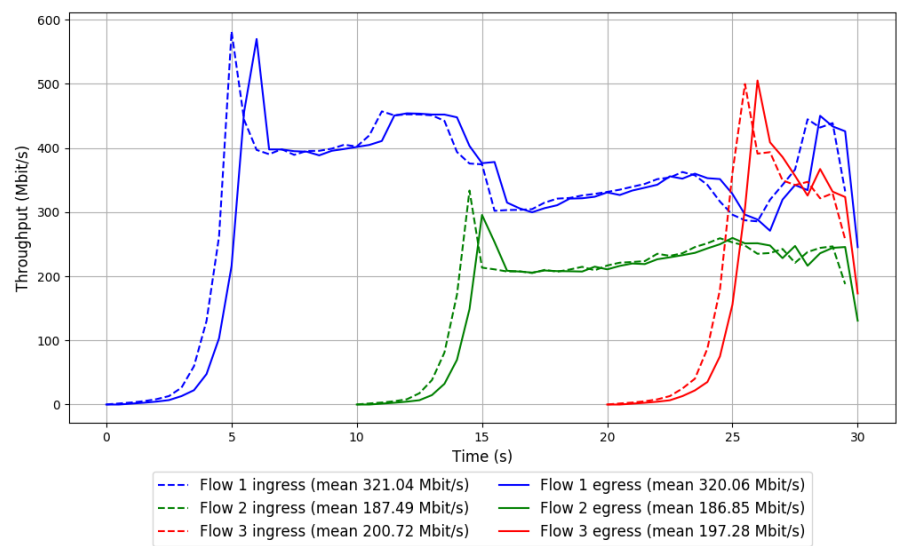


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 19:41:04
End at: 2018-07-18 19:41:34
Local clock offset: -0.324 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-18 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.95 Mbit/s
95th percentile per-packet one-way delay: 116.081 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 320.06 Mbit/s
95th percentile per-packet one-way delay: 120.386 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 112.611 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 120.440 ms
Loss rate: 3.92%

Run 9: Report of PCC-Vivace — Data Link

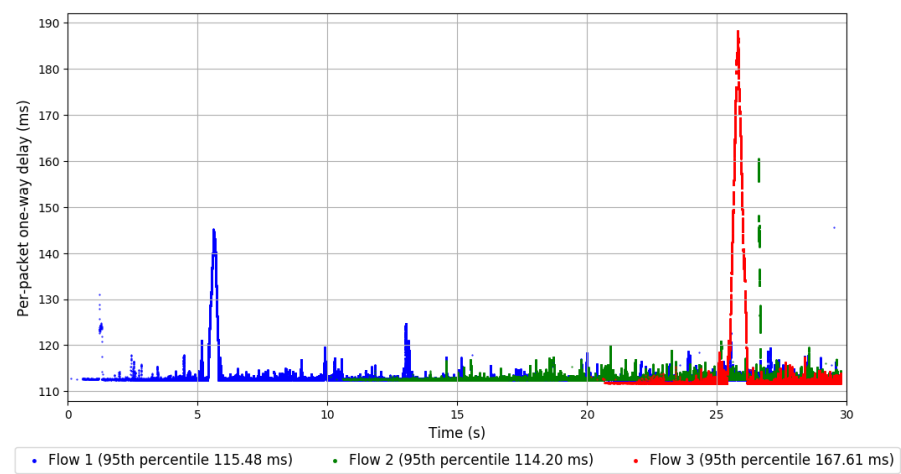
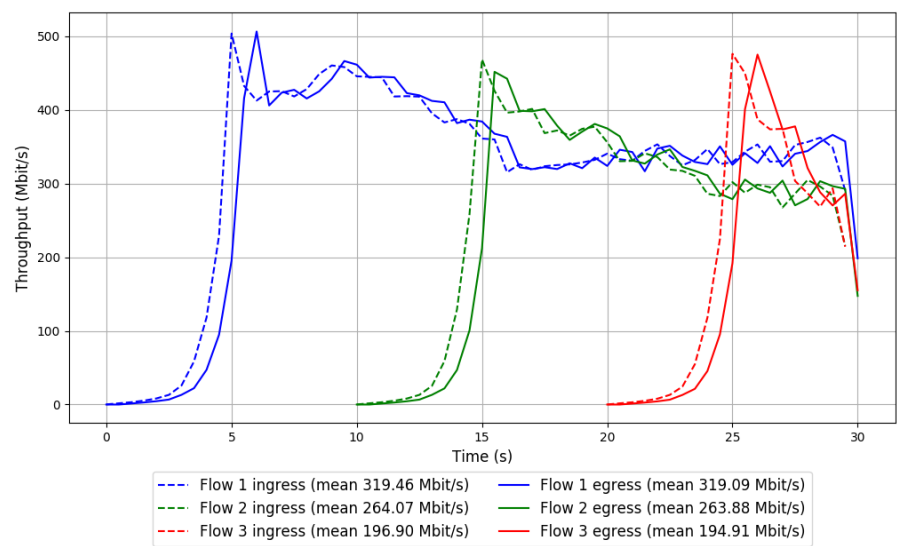


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 20:07:07
End at: 2018-07-18 20:07:37
Local clock offset: 1.279 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 557.13 Mbit/s
95th percentile per-packet one-way delay: 116.206 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 319.09 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 263.88 Mbit/s
95th percentile per-packet one-way delay: 114.201 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 194.91 Mbit/s
95th percentile per-packet one-way delay: 167.610 ms
Loss rate: 3.24%

Run 10: Report of PCC-Vivace — Data Link

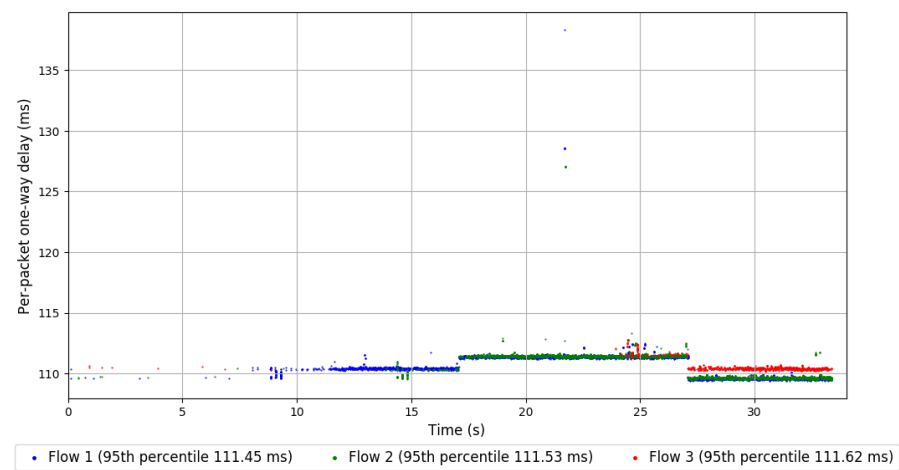
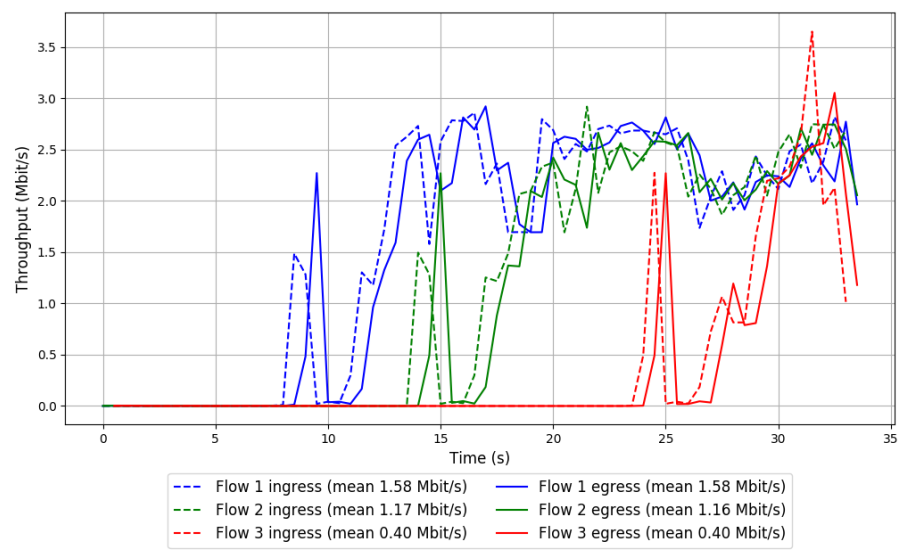


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 16:04:44
End at: 2018-07-18 16:05:14
Local clock offset: 0.104 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 111.500 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 111.450 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 111.529 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.616 ms
Loss rate: 1.46%

Run 1: Report of WebRTC media — Data Link

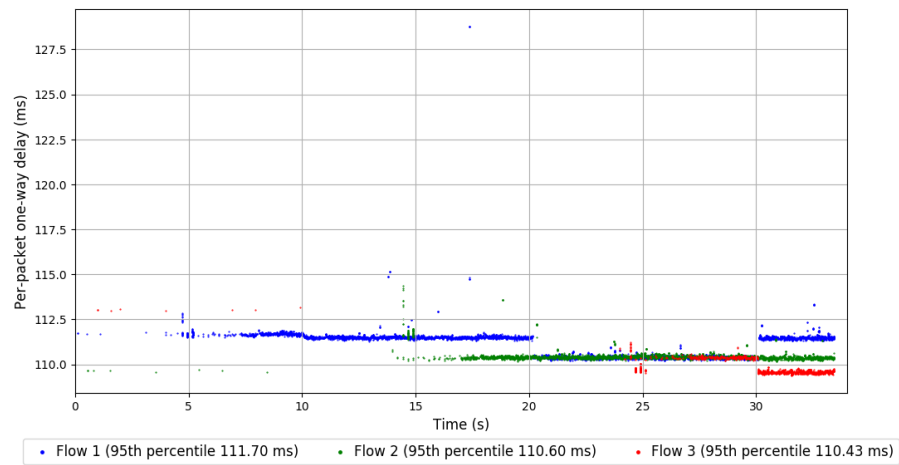
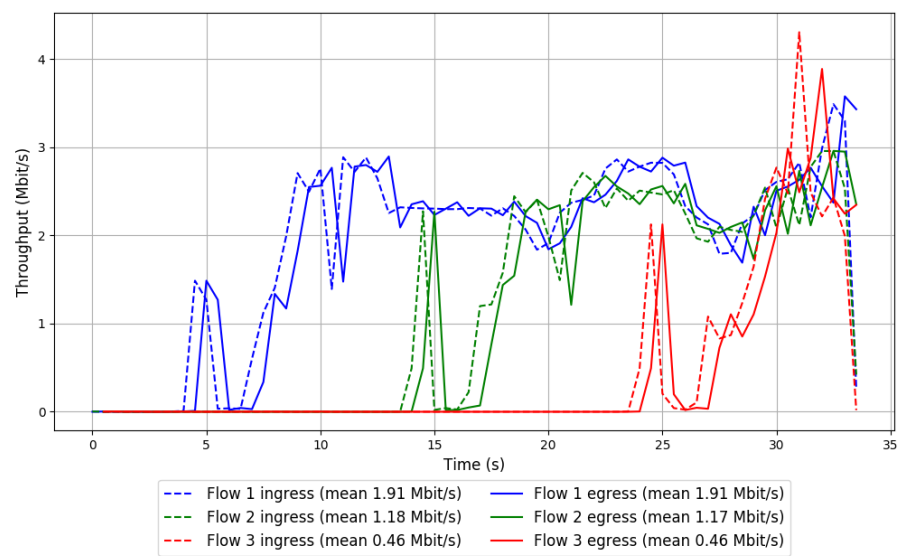


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 16:30:51
End at: 2018-07-18 16:31:21
Local clock offset: 0.123 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 111.661 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.696 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 110.602 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 110.432 ms
Loss rate: 0.82%

Run 2: Report of WebRTC media — Data Link

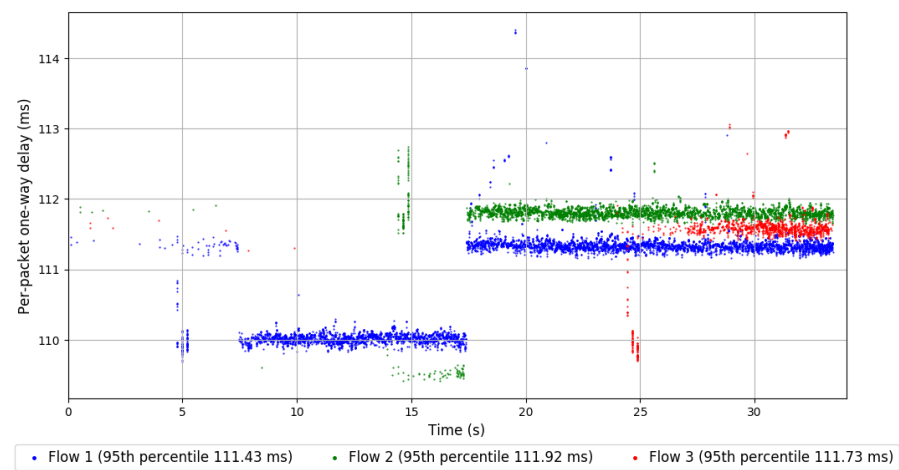
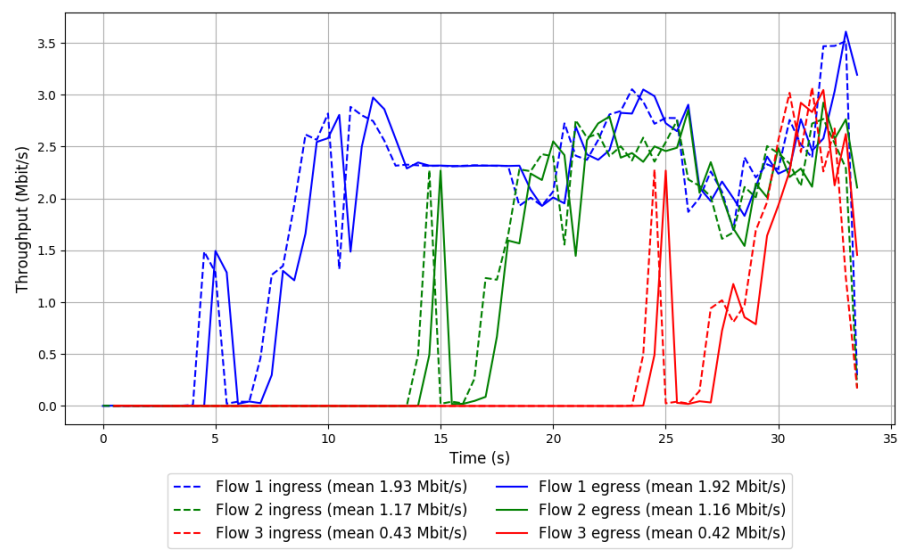


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 16:57:13
End at: 2018-07-18 16:57:43
Local clock offset: -0.208 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.434 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 2.04%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-18 17:23:15

End at: 2018-07-18 17:23:45

Local clock offset: 0.017 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-07-18 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 111.145 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 110.055 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.110 ms

Loss rate: 1.65%

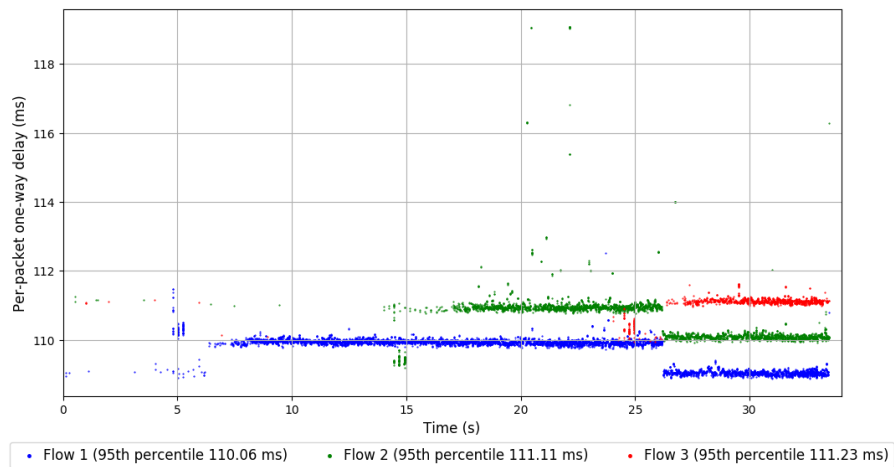
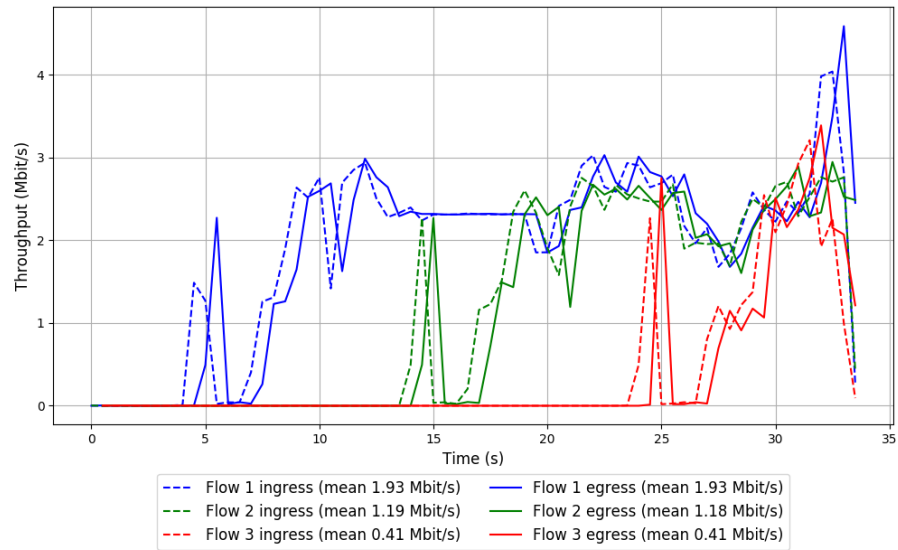
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.230 ms

Loss rate: 1.51%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 17:49:18

End at: 2018-07-18 17:49:48

Local clock offset: -0.079 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-18 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 112.644 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.658 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.620 ms

Loss rate: 1.60%

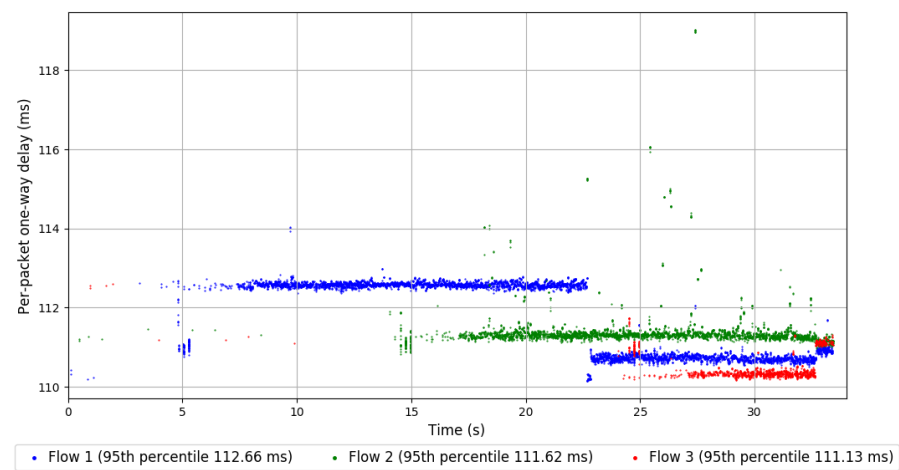
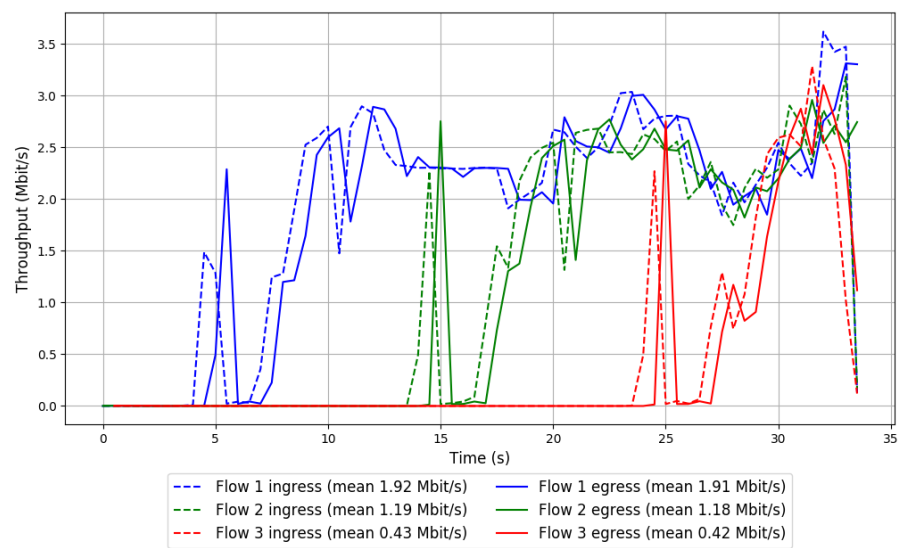
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 111.132 ms

Loss rate: 1.94%

Run 5: Report of WebRTC media — Data Link

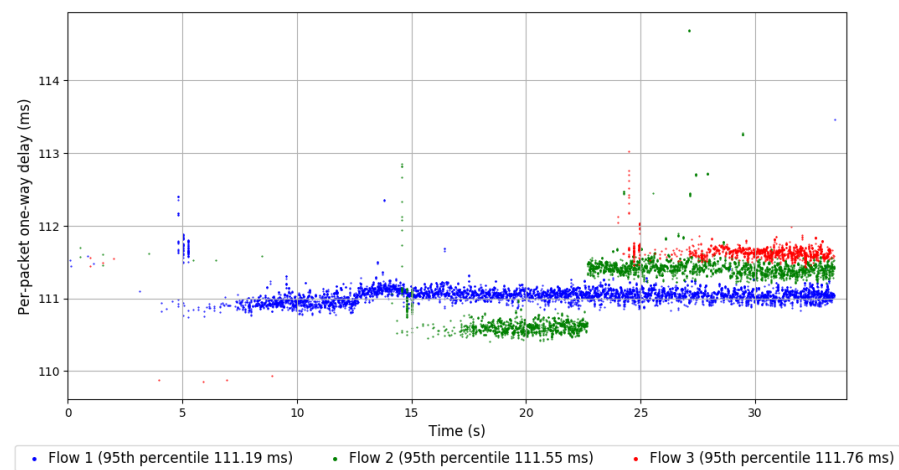
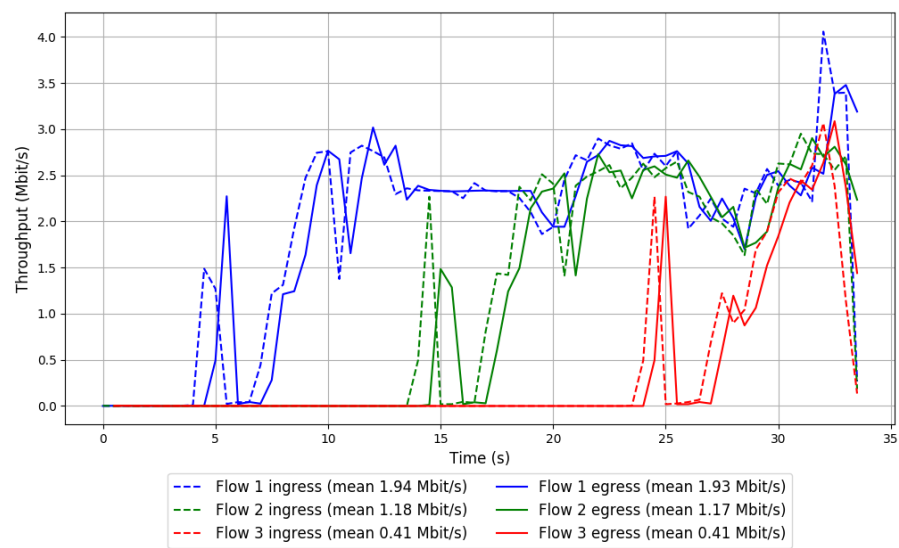


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 18:15:28
End at: 2018-07-18 18:15:58
Local clock offset: 0.089 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 111.659 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.193 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 111.548 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 1.41%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-18 18:41:43

End at: 2018-07-18 18:42:13

Local clock offset: 1.241 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-07-18 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 113.017 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 113.040 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 111.986 ms

Loss rate: 1.56%

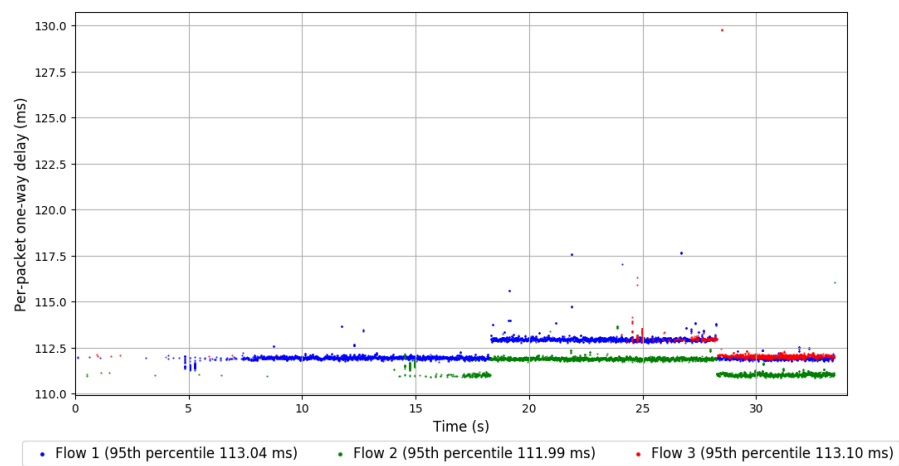
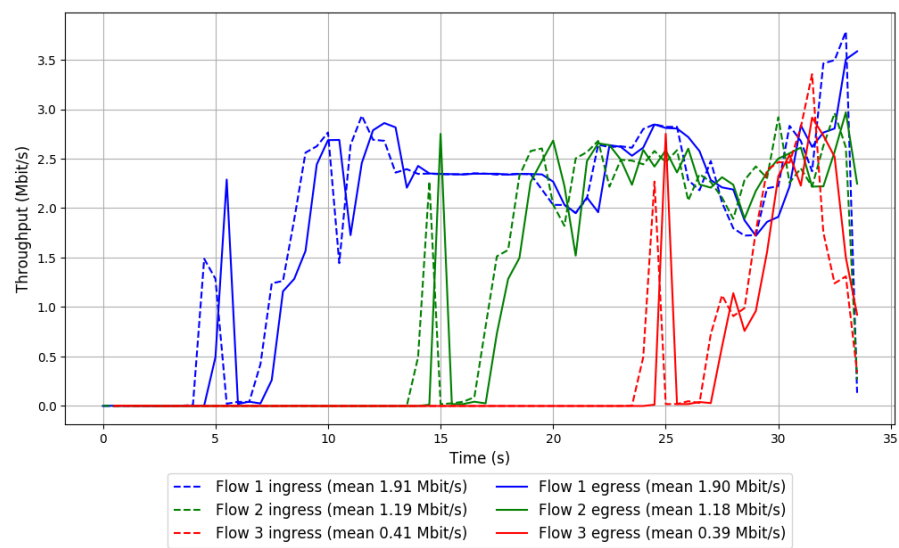
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 113.099 ms

Loss rate: 3.56%

Run 7: Report of WebRTC media — Data Link

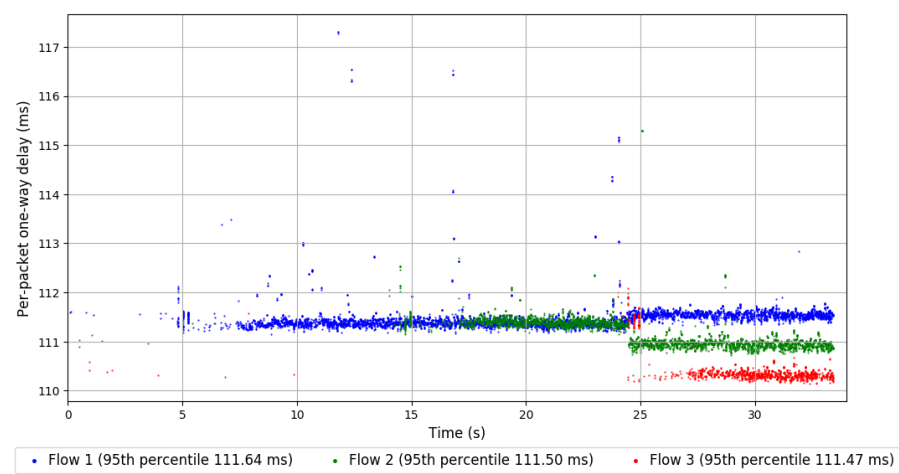
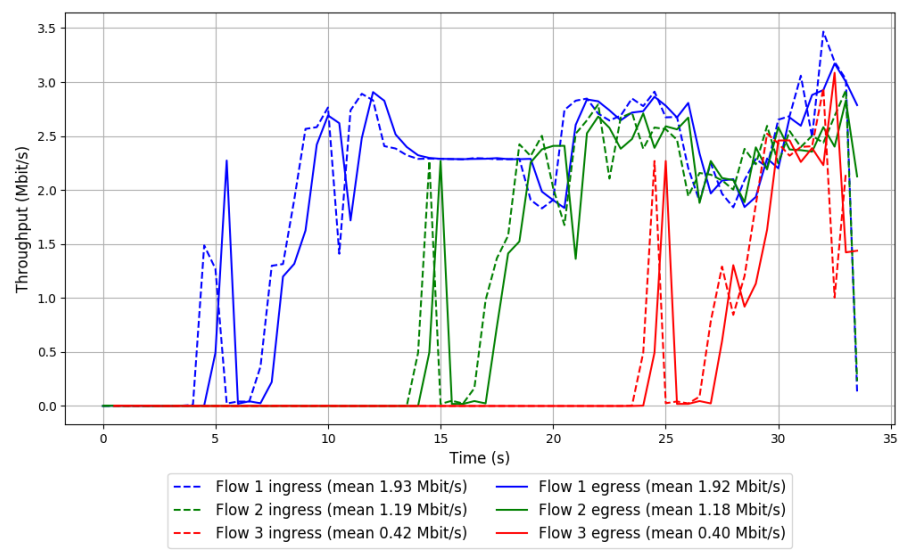


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 19:08:16
End at: 2018-07-18 19:08:46
Local clock offset: -0.438 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 111.607 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 111.502 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.472 ms
Loss rate: 3.35%

Run 8: Report of WebRTC media — Data Link

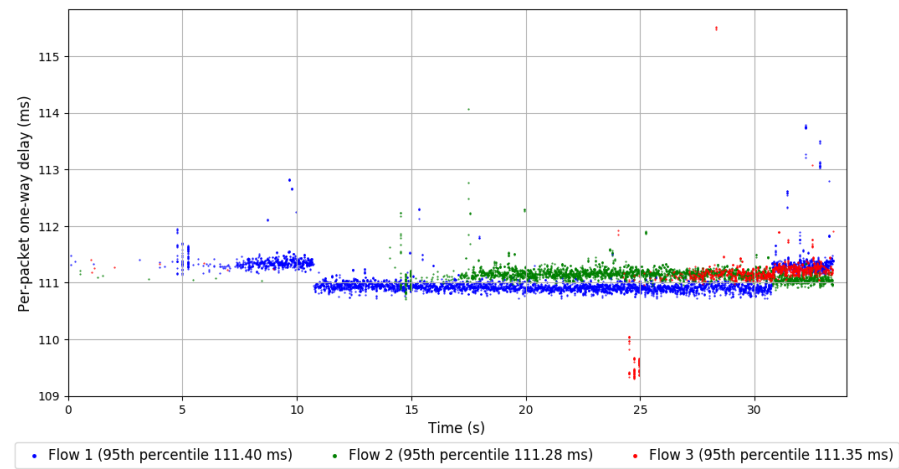
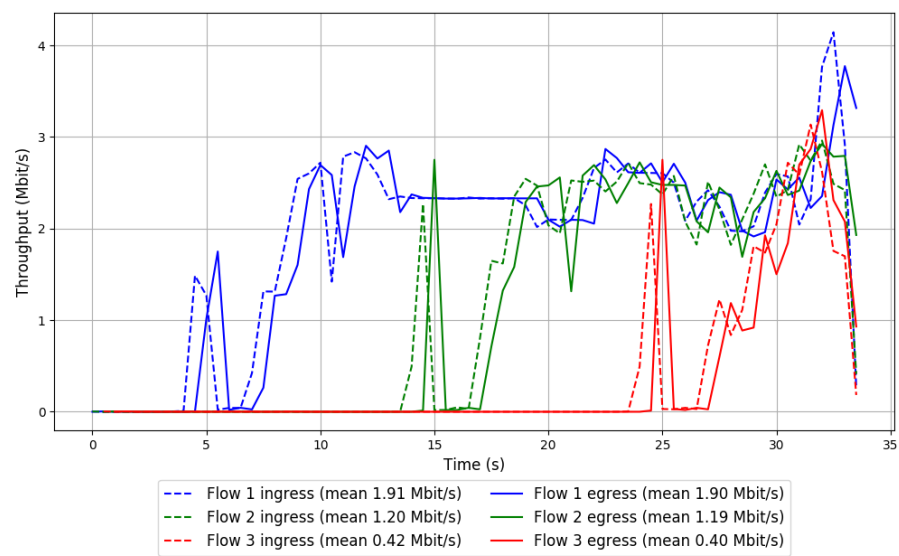


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 19:34:10
End at: 2018-07-18 19:34:40
Local clock offset: -0.245 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 111.376 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.404 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 111.284 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.347 ms
Loss rate: 4.29%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 20:00:20
End at: 2018-07-18 20:00:50
Local clock offset: -0.295 ms
Remote clock offset: -0.474 ms

Below is generated by plot.py at 2018-07-18 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.605 ms
Loss rate: 2.48%

Run 10: Report of WebRTC media — Data Link

