

Pantheon Report

Generated at 2018-12-11 18:33:40 (UTC).

Data path: GCE Tokyo on **ens4** (*local*) → GCE London on **ens4** (*remote*).

Repeated the test of 19 congestion control schemes 5 times.

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

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

System info:

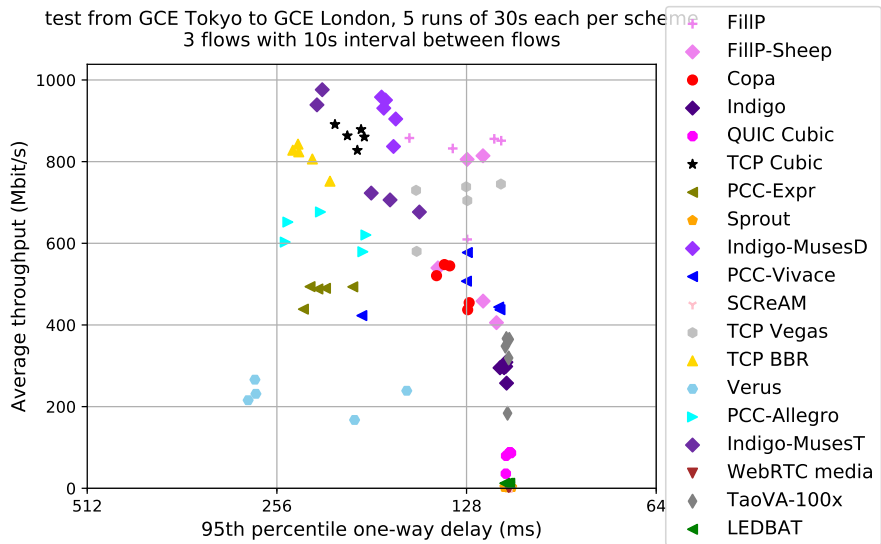
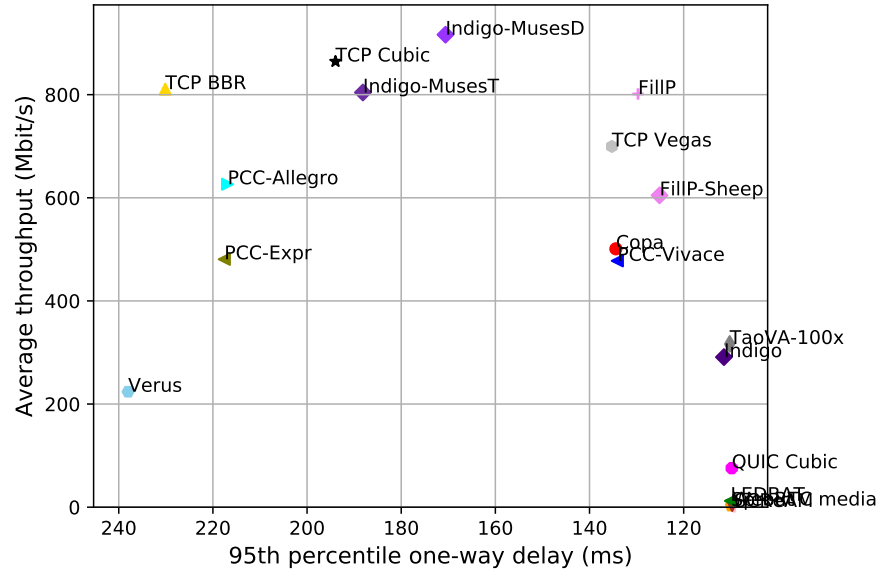
```
Linux 4.15.0-1024-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ c654af0b7d59d4ef4b914cfac404e1fc2e96dc68
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/muses-refactored @ 31f8f0ba8ef8b1da76c2bc0cd0a7850c33ff64fb
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE London, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



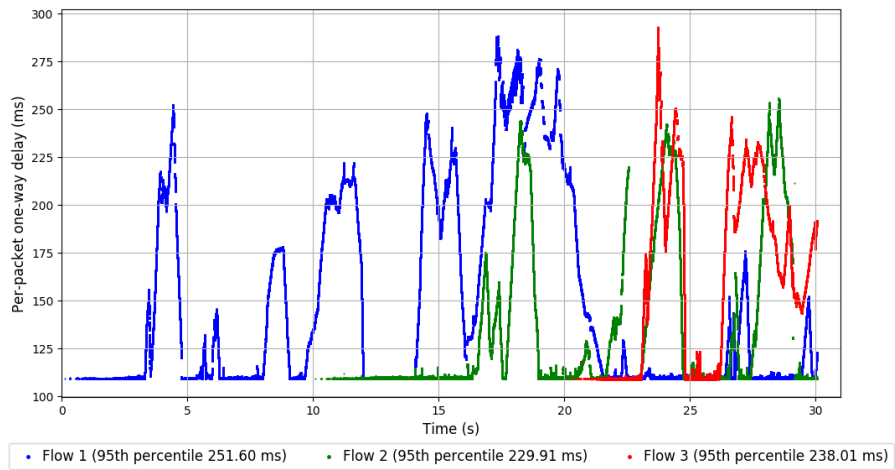
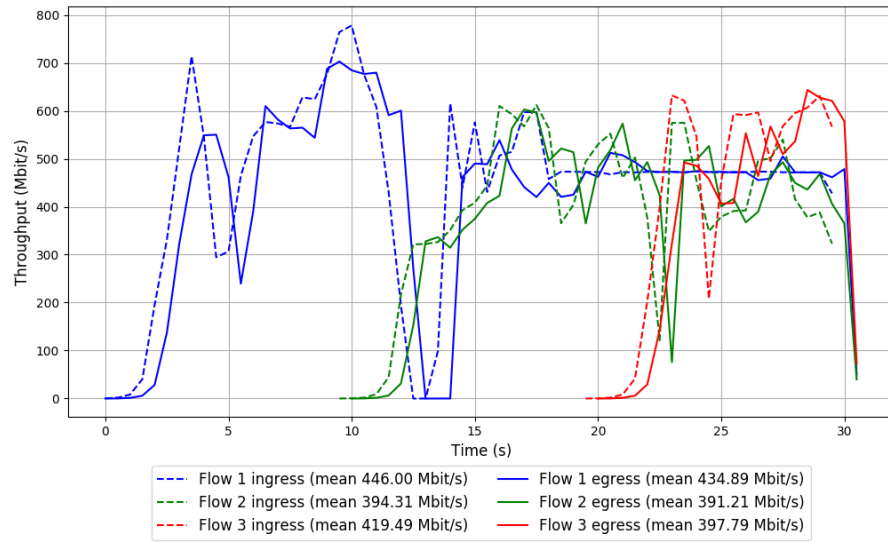
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	436.57	397.71	329.25	228.25	234.62	195.84	1.82	1.62	1.88
Copa	5	269.91	231.69	231.30	129.47	134.04	164.27	0.01	0.05	0.05
TCP Cubic	5	460.35	440.83	332.28	177.37	193.75	207.41	0.13	0.17	1.19
FillP	5	491.56	345.23	241.56	133.77	113.30	111.89	0.19	0.00	0.03
FillP-Sheep	5	307.54	327.67	238.69	134.56	112.71	112.72	0.20	0.00	0.02
Indigo	5	146.56	148.98	143.12	111.08	111.11	111.74	0.00	0.00	0.00
Indigo-MusesD	5	527.10	452.23	277.33	167.54	173.09	184.75	0.19	0.37	0.32
Indigo-MusesT	5	478.03	373.32	288.97	186.75	178.44	167.52	2.25	0.78	0.59
LEDBAT	5	7.87	5.21	2.54	110.00	109.76	109.78	0.00	0.00	0.00
PCC-Allegro	5	339.18	305.61	255.08	222.30	182.01	211.05	2.10	2.15	1.40
PCC-Expr	5	291.22	189.55	192.27	223.62	157.61	193.53	4.29	0.47	1.70
QUIC Cubic	5	39.53	40.92	27.56	109.05	109.73	109.90	0.00	0.00	0.00
SCReAM	5	0.22	0.22	0.22	109.23	108.82	108.95	0.00	0.00	0.00
Sprout	5	1.56	0.69	1.22	109.69	109.35	109.68	0.00	0.00	0.00
TaoVA-100x	5	155.88	181.17	120.06	109.74	109.91	110.89	0.00	0.07	0.00
TCP Vegas	5	378.32	353.28	258.58	128.98	130.36	123.47	0.09	0.03	0.00
Verus	5	149.00	67.97	92.56	242.44	191.58	200.14	6.12	1.12	1.65
PCC-Vivace	5	310.49	176.24	151.62	134.84	149.77	113.75	0.01	0.39	0.09
WebRTC media	5	1.84	1.06	0.36	109.64	109.55	109.24	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-12-11 13:21:27
End at: 2018-12-11 13:21:57
Local clock offset: -0.193 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-12-11 16:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 828.03 Mbit/s
95th percentile per-packet one-way delay: 241.552 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 434.89 Mbit/s
95th percentile per-packet one-way delay: 251.600 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 391.21 Mbit/s
95th percentile per-packet one-way delay: 229.906 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 397.79 Mbit/s
95th percentile per-packet one-way delay: 238.008 ms
Loss rate: 5.17%

Run 1: Report of TCP BBR — Data Link

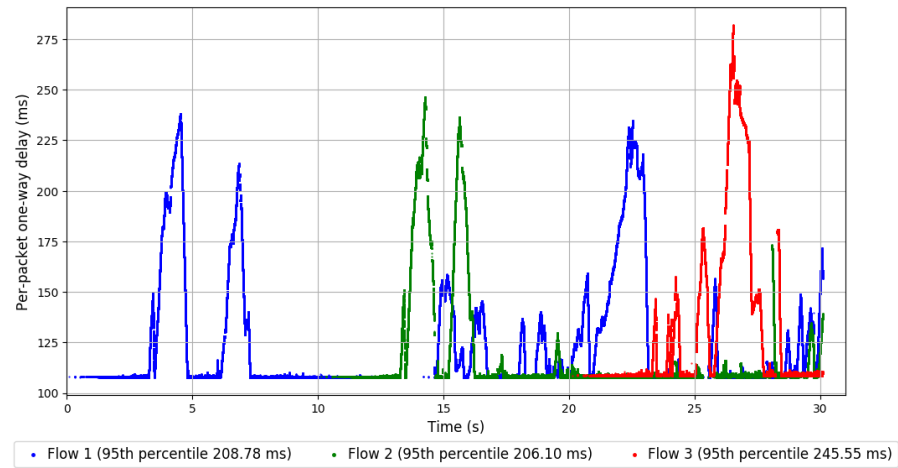
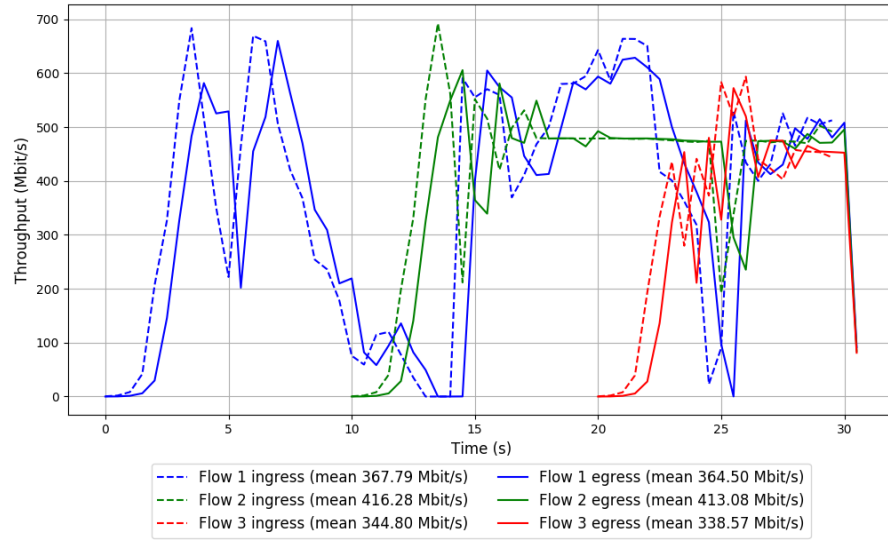


Run 2: Statistics of TCP BBR

Start at: 2018-12-11 13:56:09
End at: 2018-12-11 13:56:39
Local clock offset: 0.059 ms
Remote clock offset: -0.626 ms

Below is generated by plot.py at 2018-12-11 16:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 752.14 Mbit/s
95th percentile per-packet one-way delay: 210.853 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 364.50 Mbit/s
95th percentile per-packet one-way delay: 208.784 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 413.08 Mbit/s
95th percentile per-packet one-way delay: 206.101 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 338.57 Mbit/s
95th percentile per-packet one-way delay: 245.551 ms
Loss rate: 1.89%

Run 2: Report of TCP BBR — Data Link

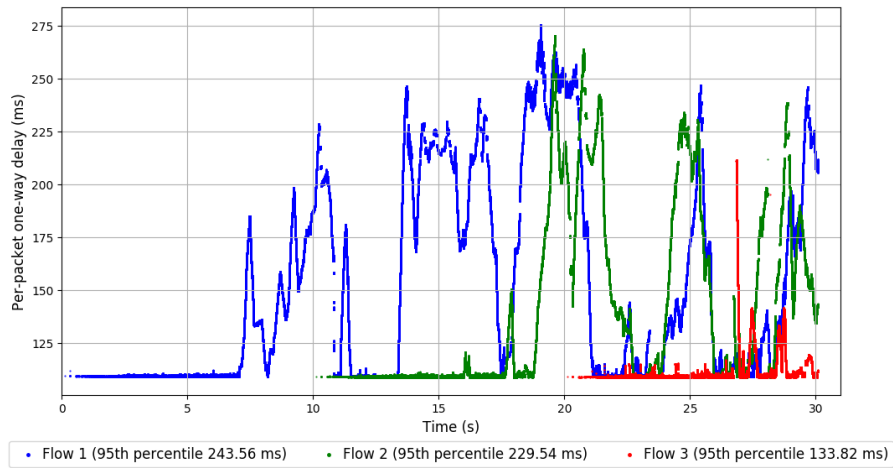
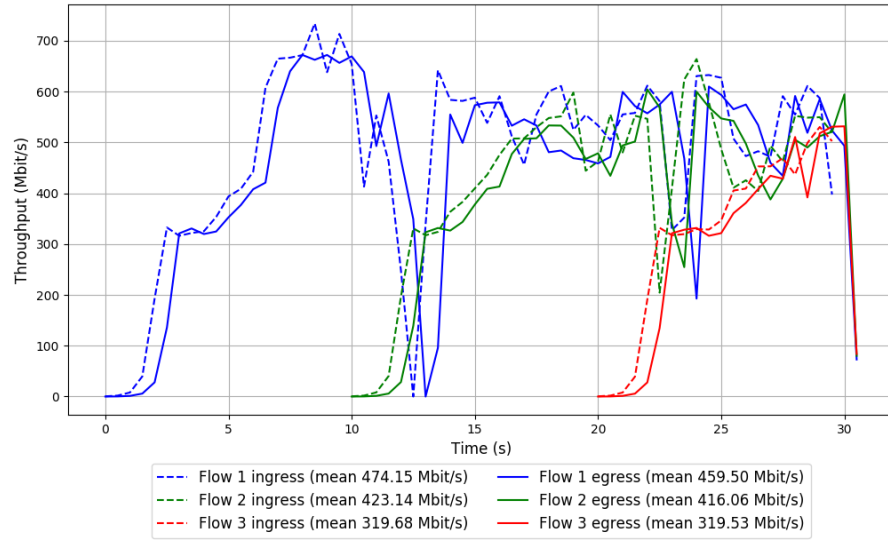


Run 3: Statistics of TCP BBR

Start at: 2018-12-11 14:30:52
End at: 2018-12-11 14:31:22
Local clock offset: -0.154 ms
Remote clock offset: -0.528 ms

Below is generated by plot.py at 2018-12-11 16:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 842.93 Mbit/s
95th percentile per-packet one-way delay: 236.982 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 459.50 Mbit/s
95th percentile per-packet one-way delay: 243.561 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 416.06 Mbit/s
95th percentile per-packet one-way delay: 229.543 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 319.53 Mbit/s
95th percentile per-packet one-way delay: 133.823 ms
Loss rate: 0.05%

Run 3: Report of TCP BBR — Data Link

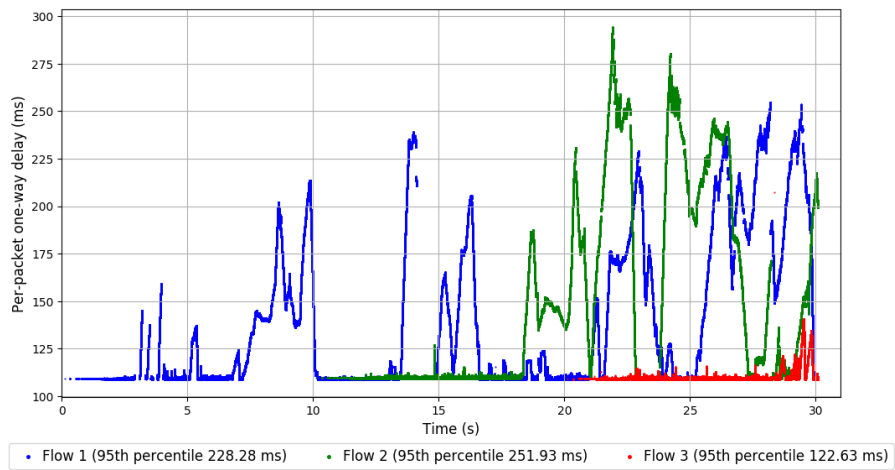
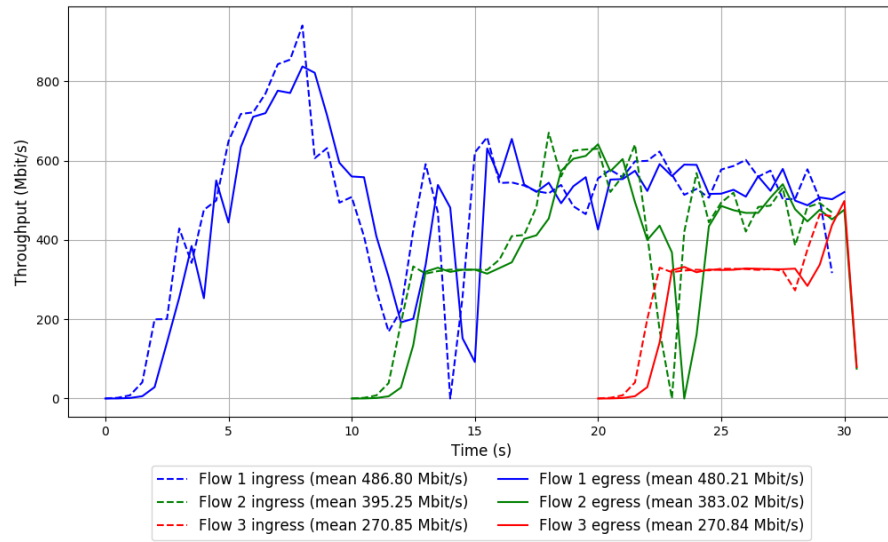


Run 4: Statistics of TCP BBR

Start at: 2018-12-11 15:05:28
End at: 2018-12-11 15:05:58
Local clock offset: -0.114 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-12-11 16:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.02 Mbit/s
95th percentile per-packet one-way delay: 236.336 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 480.21 Mbit/s
95th percentile per-packet one-way delay: 228.276 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 383.02 Mbit/s
95th percentile per-packet one-way delay: 251.925 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 270.84 Mbit/s
95th percentile per-packet one-way delay: 122.632 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

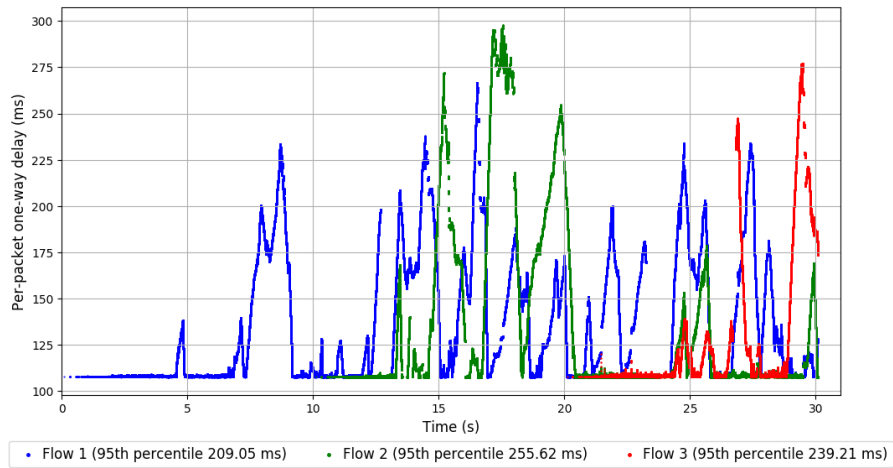
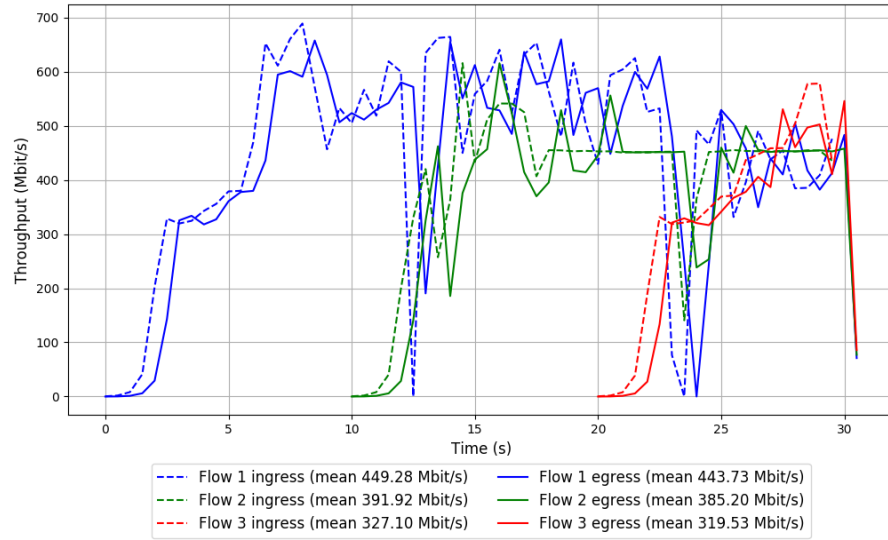


Run 5: Statistics of TCP BBR

Start at: 2018-12-11 15:39:56
End at: 2018-12-11 15:40:26
Local clock offset: 0.611 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-12-11 16:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.47 Mbit/s
95th percentile per-packet one-way delay: 224.870 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 443.73 Mbit/s
95th percentile per-packet one-way delay: 209.046 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 385.20 Mbit/s
95th percentile per-packet one-way delay: 255.625 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 319.53 Mbit/s
95th percentile per-packet one-way delay: 239.208 ms
Loss rate: 2.31%

Run 5: Report of TCP BBR — Data Link

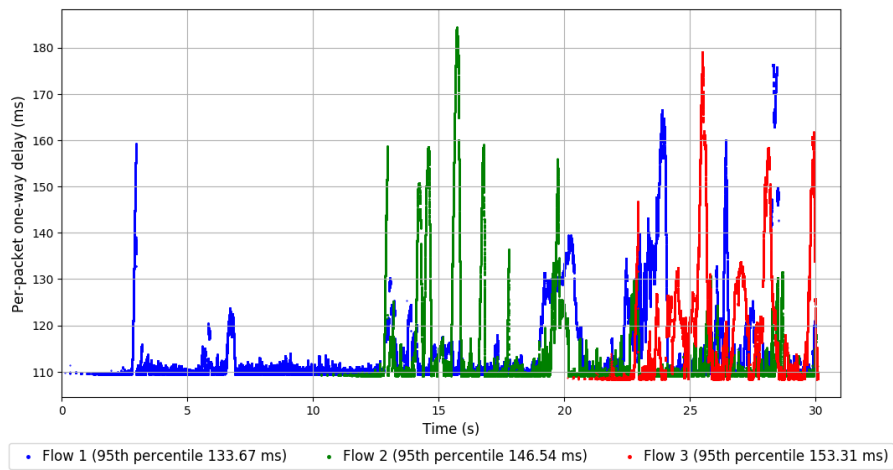
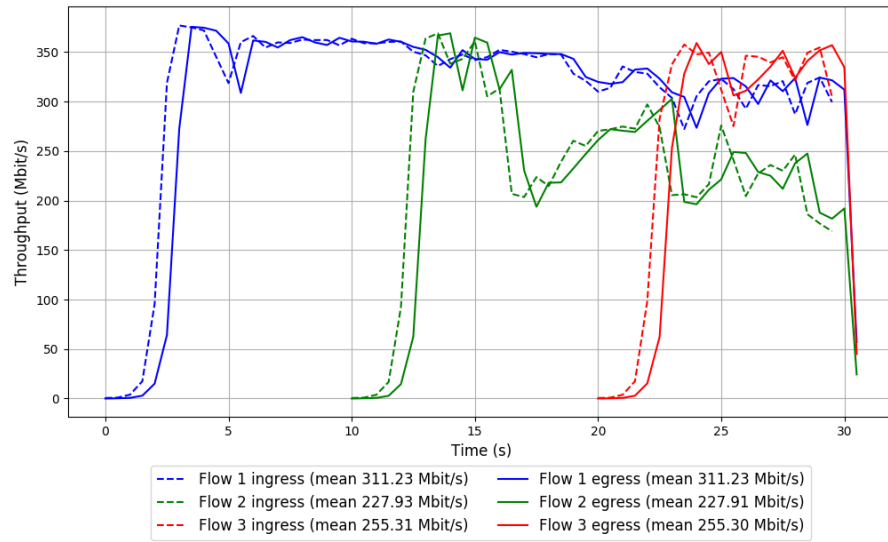


Run 1: Statistics of Copa

Start at: 2018-12-11 13:47:44
End at: 2018-12-11 13:48:14
Local clock offset: -0.126 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-12-11 16:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 547.90 Mbit/s
95th percentile per-packet one-way delay: 138.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 311.23 Mbit/s
95th percentile per-packet one-way delay: 133.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.91 Mbit/s
95th percentile per-packet one-way delay: 146.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 255.30 Mbit/s
95th percentile per-packet one-way delay: 153.308 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

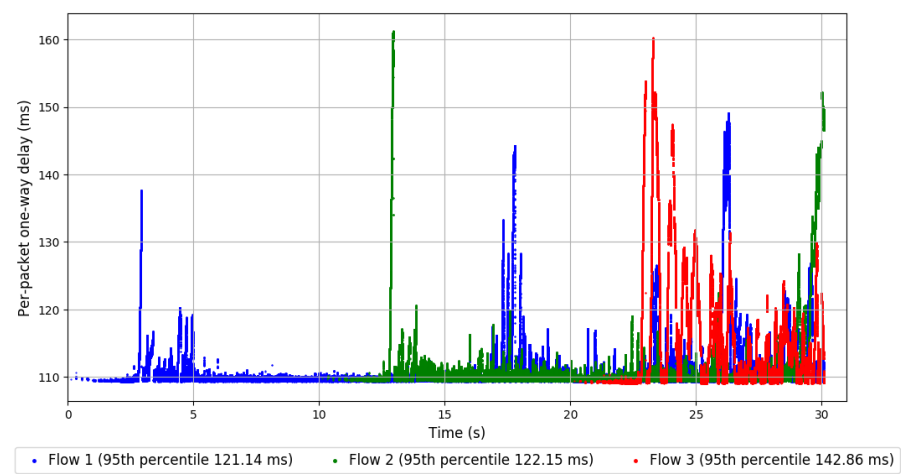
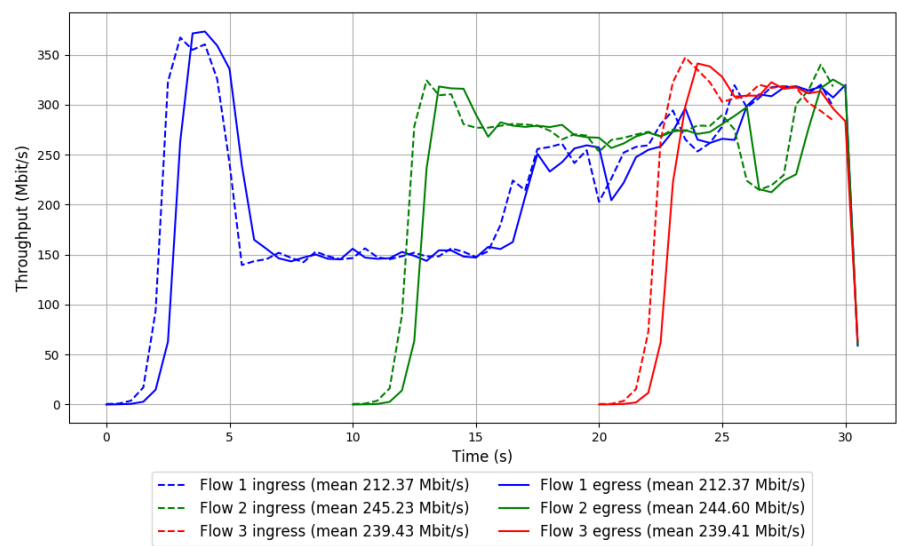


Run 2: Statistics of Copa

Start at: 2018-12-11 14:22:23
End at: 2018-12-11 14:22:53
Local clock offset: -0.116 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-12-11 16:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.57 Mbit/s
95th percentile per-packet one-way delay: 126.780 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 121.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.60 Mbit/s
95th percentile per-packet one-way delay: 122.154 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 239.41 Mbit/s
95th percentile per-packet one-way delay: 142.857 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

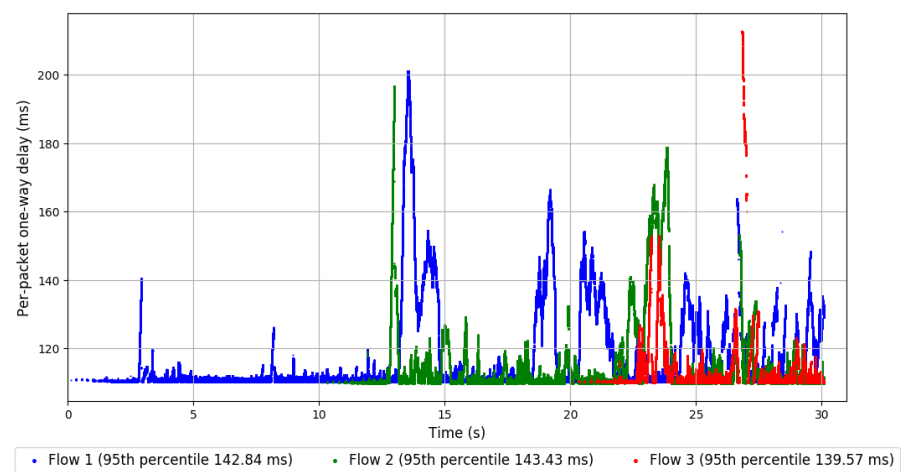
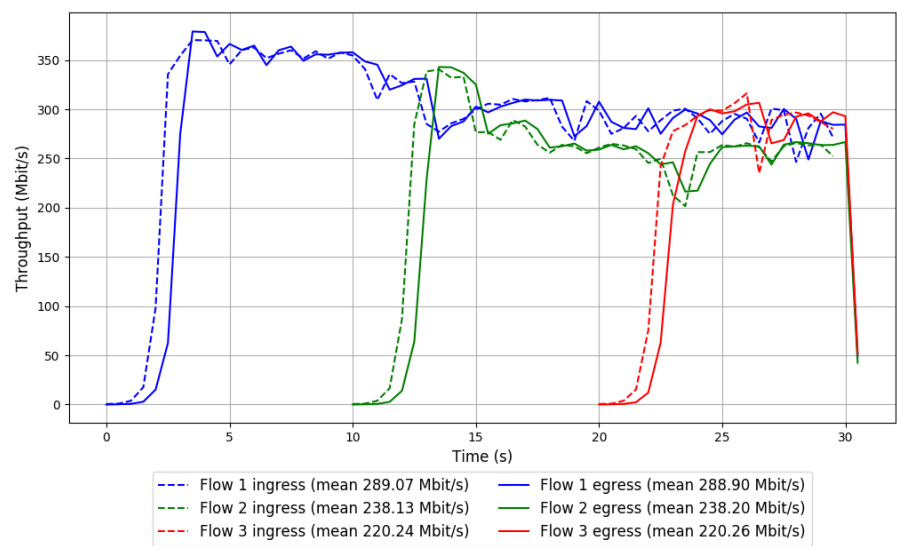


Run 3: Statistics of Copa

Start at: 2018-12-11 14:56:51
End at: 2018-12-11 14:57:21
Local clock offset: -1.159 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-12-11 16:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.73 Mbit/s
95th percentile per-packet one-way delay: 142.839 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 288.90 Mbit/s
95th percentile per-packet one-way delay: 142.838 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 238.20 Mbit/s
95th percentile per-packet one-way delay: 143.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 220.26 Mbit/s
95th percentile per-packet one-way delay: 139.575 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

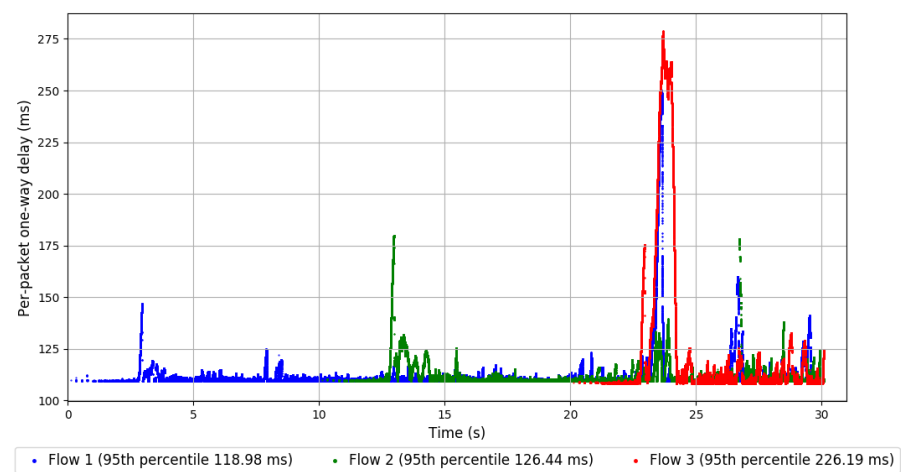
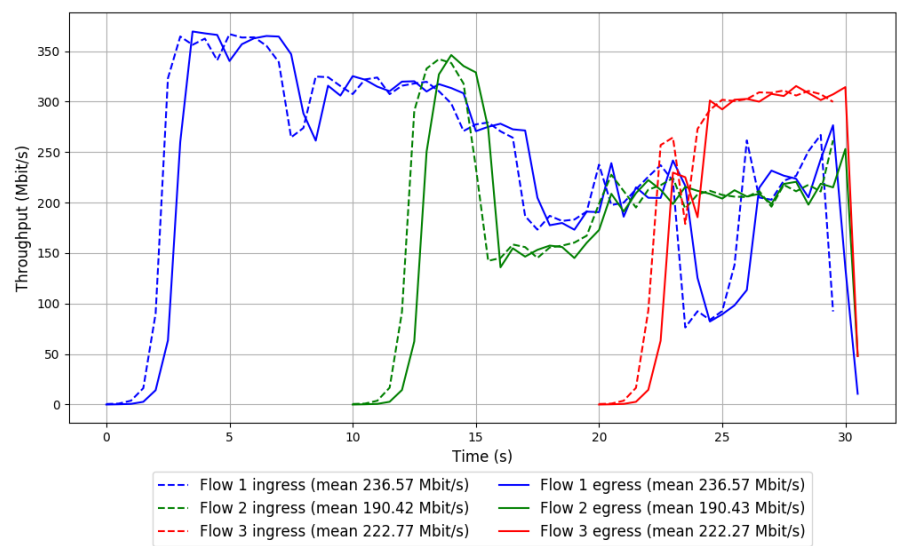


Run 4: Statistics of Copa

Start at: 2018-12-11 15:31:36
End at: 2018-12-11 15:32:06
Local clock offset: -0.121 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-12-11 16:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.28 Mbit/s
95th percentile per-packet one-way delay: 127.471 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 236.57 Mbit/s
95th percentile per-packet one-way delay: 118.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.43 Mbit/s
95th percentile per-packet one-way delay: 126.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 222.27 Mbit/s
95th percentile per-packet one-way delay: 226.187 ms
Loss rate: 0.22%

Run 4: Report of Copa — Data Link

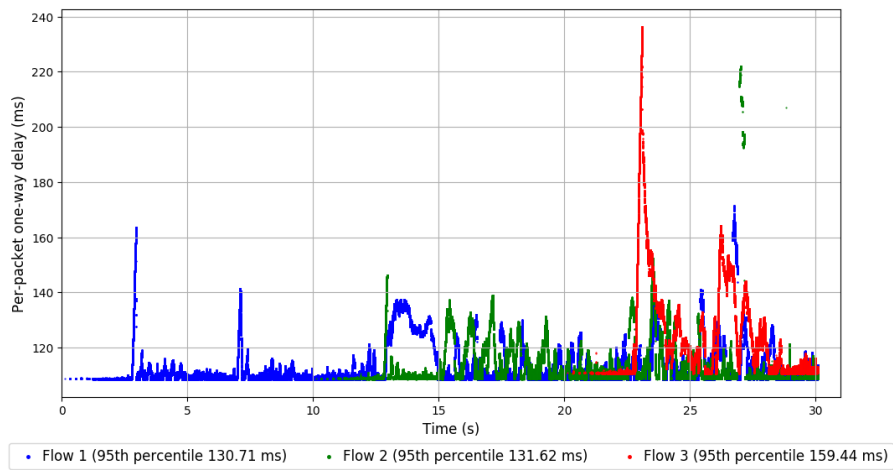
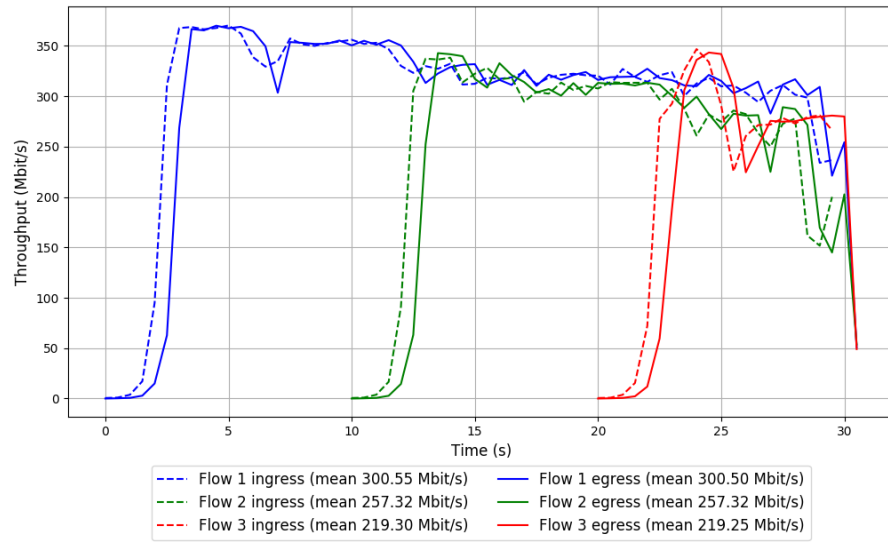


Run 5: Statistics of Copa

Start at: 2018-12-11 16:05:43
End at: 2018-12-11 16:06:13
Local clock offset: 0.599 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-12-11 16:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 544.69 Mbit/s
95th percentile per-packet one-way delay: 136.127 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 300.50 Mbit/s
95th percentile per-packet one-way delay: 130.705 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 257.32 Mbit/s
95th percentile per-packet one-way delay: 131.623 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 219.25 Mbit/s
95th percentile per-packet one-way delay: 159.442 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-12-11 13:35:18

End at: 2018-12-11 13:35:48

Local clock offset: -0.274 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-12-11 16:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 863.41 Mbit/s

95th percentile per-packet one-way delay: 197.869 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 433.97 Mbit/s

95th percentile per-packet one-way delay: 216.094 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 463.28 Mbit/s

95th percentile per-packet one-way delay: 174.227 ms

Loss rate: 0.30%

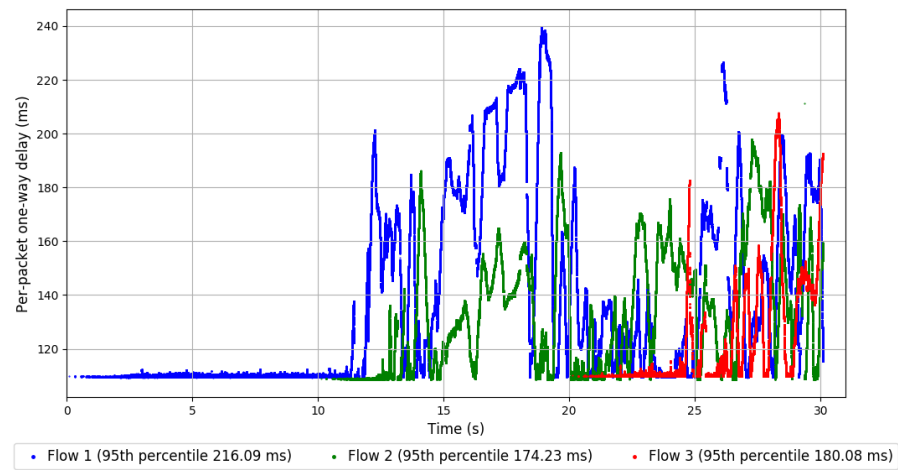
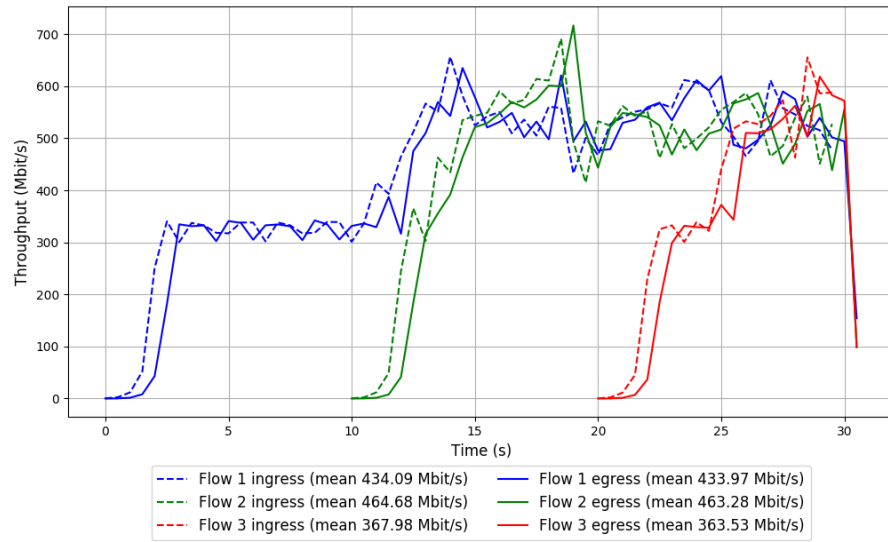
-- Flow 3:

Average throughput: 363.53 Mbit/s

95th percentile per-packet one-way delay: 180.084 ms

Loss rate: 1.20%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-12-11 14:10:05

End at: 2018-12-11 14:10:35

Local clock offset: 0.376 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-12-11 16:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 891.02 Mbit/s

95th percentile per-packet one-way delay: 207.027 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 514.59 Mbit/s

95th percentile per-packet one-way delay: 184.004 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 407.49 Mbit/s

95th percentile per-packet one-way delay: 214.609 ms

Loss rate: 0.11%

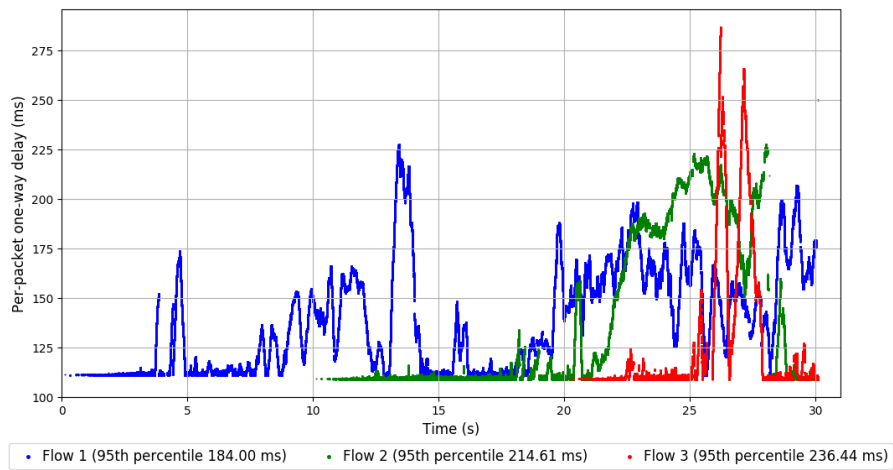
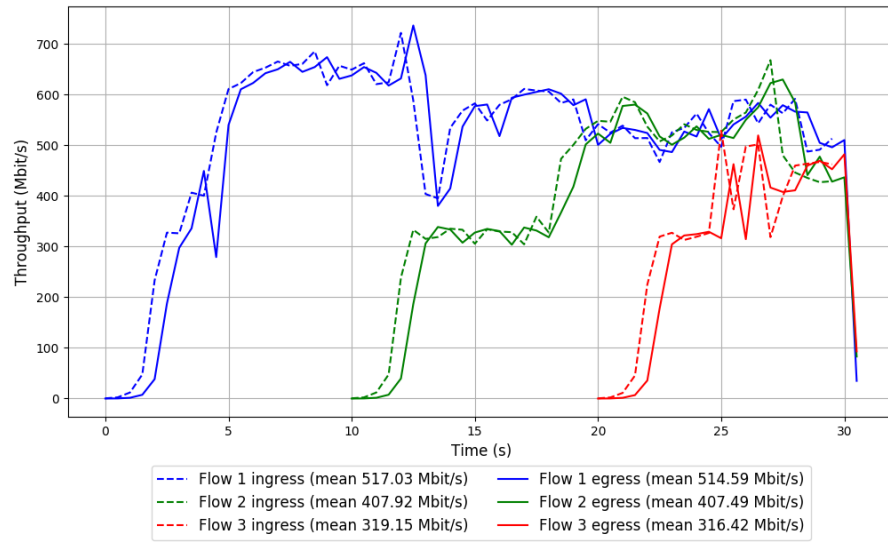
-- Flow 3:

Average throughput: 316.42 Mbit/s

95th percentile per-packet one-way delay: 236.445 ms

Loss rate: 0.86%

Run 2: Report of TCP Cubic — Data Link

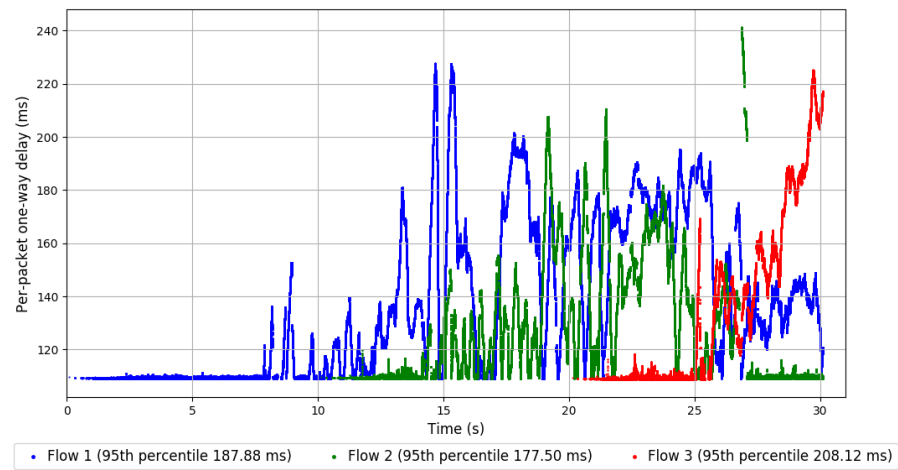
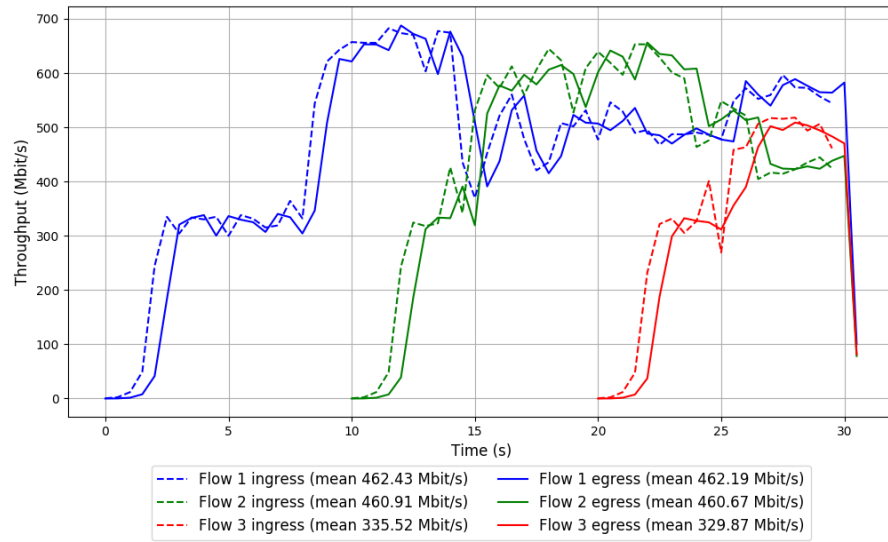


Run 3: Statistics of TCP Cubic

Start at: 2018-12-11 14:44:51
End at: 2018-12-11 14:45:21
Local clock offset: 0.071 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-12-11 16:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 878.73 Mbit/s
95th percentile per-packet one-way delay: 188.204 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 462.19 Mbit/s
95th percentile per-packet one-way delay: 187.879 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 460.67 Mbit/s
95th percentile per-packet one-way delay: 177.505 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 329.87 Mbit/s
95th percentile per-packet one-way delay: 208.121 ms
Loss rate: 1.68%

Run 3: Report of TCP Cubic — Data Link

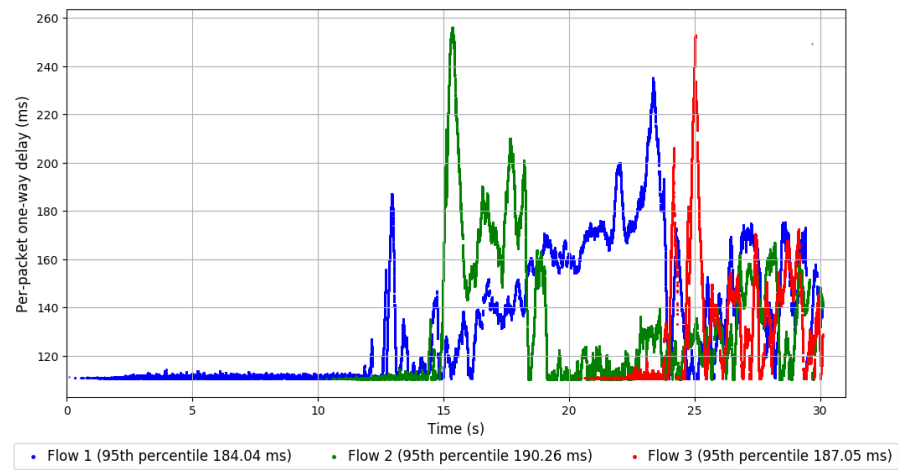
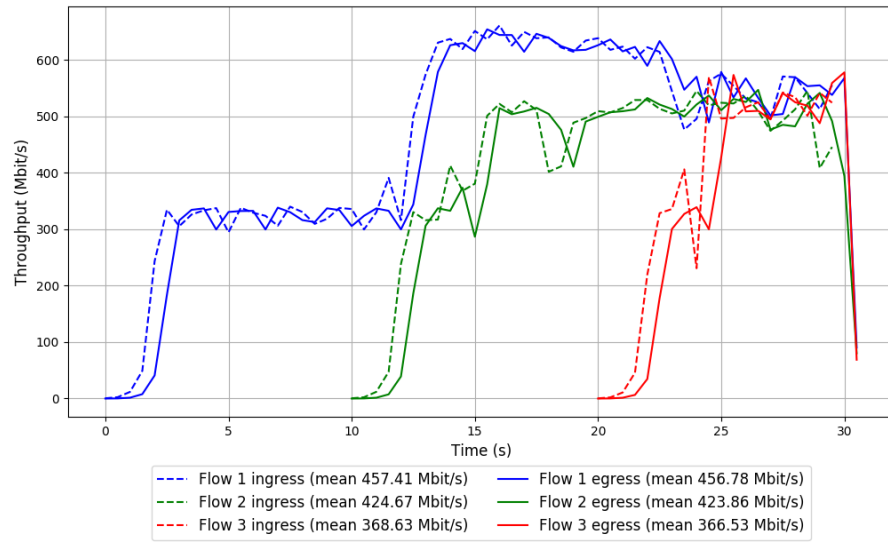


Run 4: Statistics of TCP Cubic

Start at: 2018-12-11 15:19:27
End at: 2018-12-11 15:19:57
Local clock offset: -1.389 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-12-11 16:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 860.53 Mbit/s
95th percentile per-packet one-way delay: 185.955 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 456.78 Mbit/s
95th percentile per-packet one-way delay: 184.043 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 423.86 Mbit/s
95th percentile per-packet one-way delay: 190.261 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 187.053 ms
Loss rate: 0.58%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-12-11 15:53:31

End at: 2018-12-11 15:54:01

Local clock offset: -0.235 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-12-11 16:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 827.84 Mbit/s

95th percentile per-packet one-way delay: 190.759 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 434.23 Mbit/s

95th percentile per-packet one-way delay: 114.817 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 448.85 Mbit/s

95th percentile per-packet one-way delay: 212.150 ms

Loss rate: 0.22%

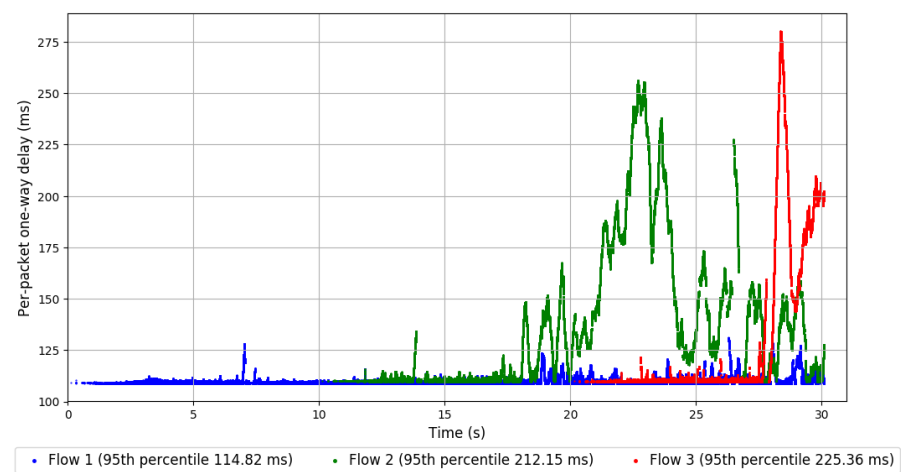
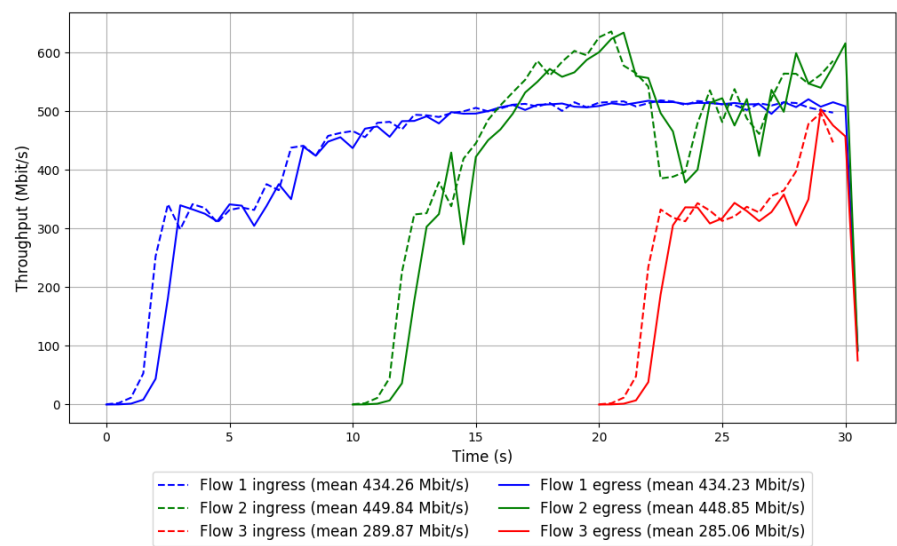
-- Flow 3:

Average throughput: 285.06 Mbit/s

95th percentile per-packet one-way delay: 225.358 ms

Loss rate: 1.64%

Run 5: Report of TCP Cubic — Data Link

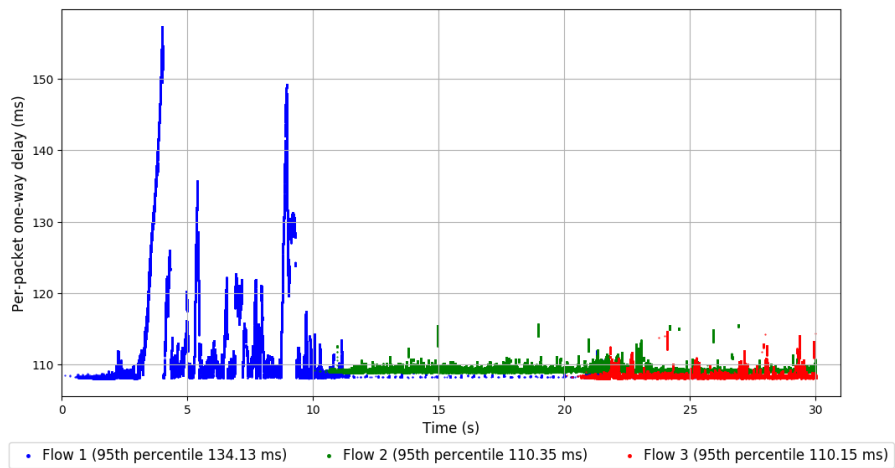
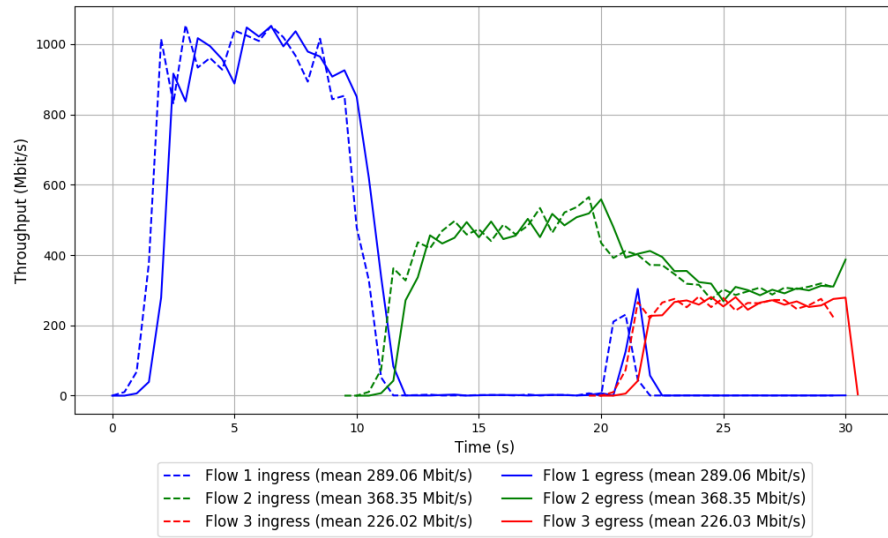


Run 1: Statistics of FillP

Start at: 2018-12-11 13:27:32
End at: 2018-12-11 13:28:02
Local clock offset: -0.048 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-12-11 16:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 609.49 Mbit/s
95th percentile per-packet one-way delay: 127.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.06 Mbit/s
95th percentile per-packet one-way delay: 134.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 368.35 Mbit/s
95th percentile per-packet one-way delay: 110.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 226.03 Mbit/s
95th percentile per-packet one-way delay: 110.150 ms
Loss rate: 0.00%

Run 1: Report of FillP — Data Link

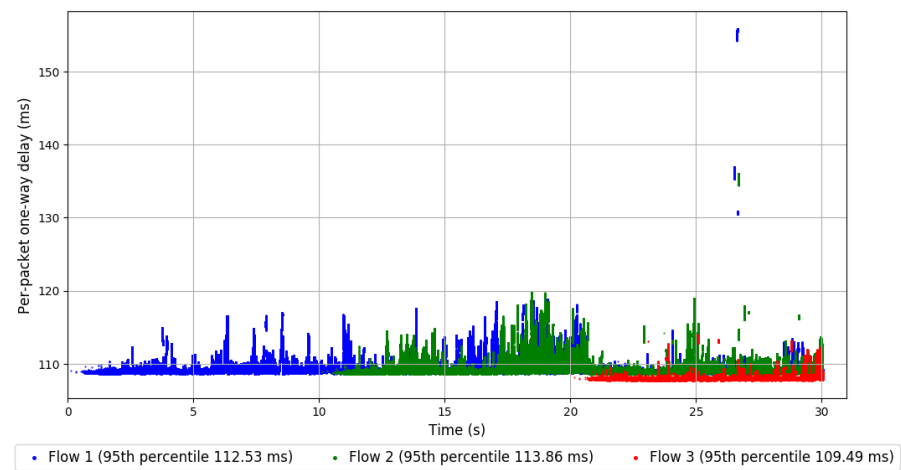
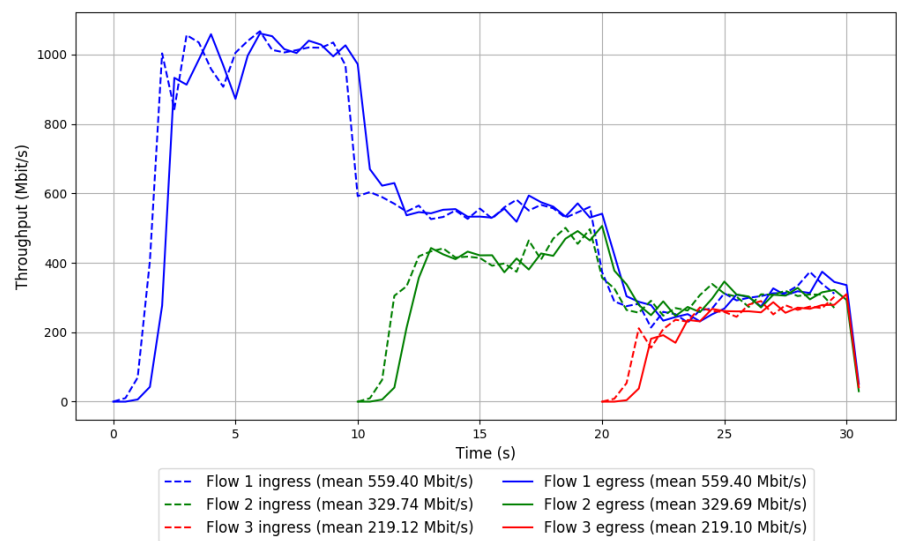


Run 2: Statistics of FillP

Start at: 2018-12-11 14:02:16
End at: 2018-12-11 14:02:46
Local clock offset: 0.539 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-12-11 17:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 851.27 Mbit/s
95th percentile per-packet one-way delay: 112.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 559.40 Mbit/s
95th percentile per-packet one-way delay: 112.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 329.69 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 219.10 Mbit/s
95th percentile per-packet one-way delay: 109.490 ms
Loss rate: 0.02%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-12-11 14:36:58

End at: 2018-12-11 14:37:28

Local clock offset: -0.181 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-12-11 17:14:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 857.82 Mbit/s

95th percentile per-packet one-way delay: 157.726 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 545.93 Mbit/s

95th percentile per-packet one-way delay: 163.560 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 348.59 Mbit/s

95th percentile per-packet one-way delay: 112.224 ms

Loss rate: 0.01%

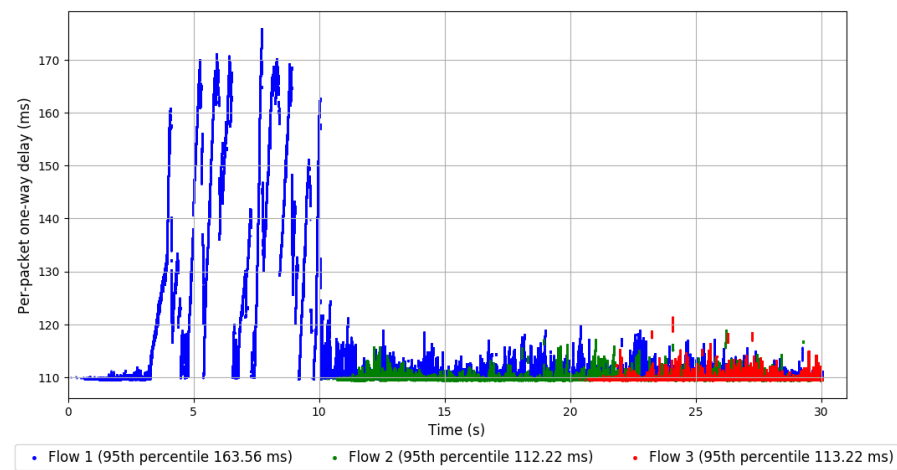
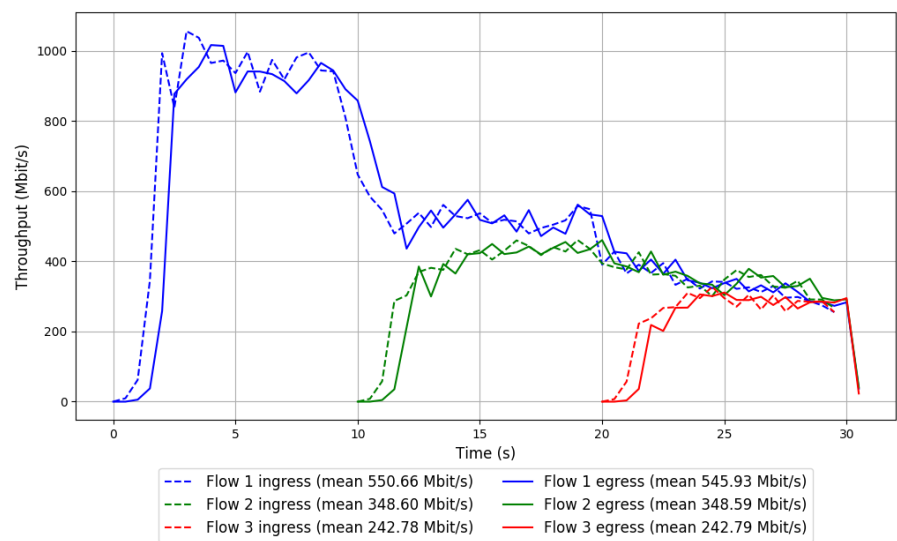
-- Flow 3:

Average throughput: 242.79 Mbit/s

95th percentile per-packet one-way delay: 113.218 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link

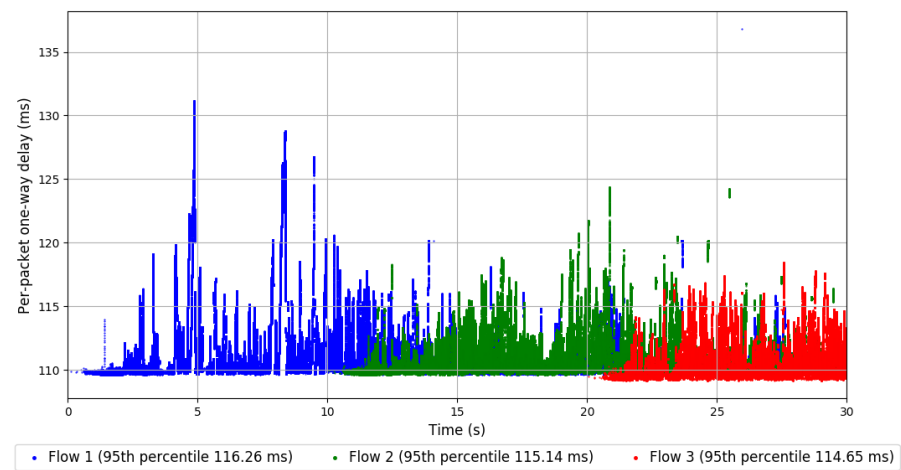
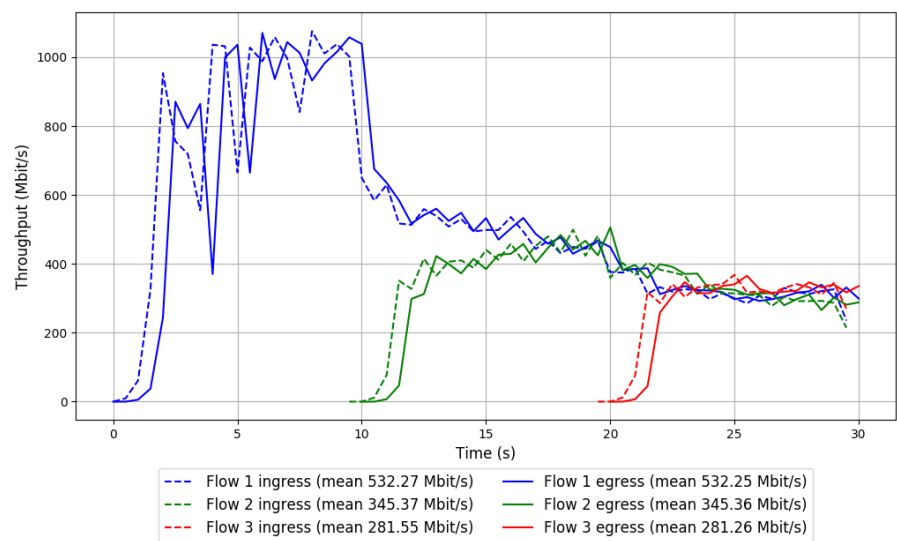


Run 4: Statistics of FillP

Start at: 2018-12-11 15:11:23
End at: 2018-12-11 15:11:53
Local clock offset: -0.32 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-12-11 17:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 855.79 Mbit/s
95th percentile per-packet one-way delay: 115.657 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 532.25 Mbit/s
95th percentile per-packet one-way delay: 116.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 345.36 Mbit/s
95th percentile per-packet one-way delay: 115.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 281.26 Mbit/s
95th percentile per-packet one-way delay: 114.646 ms
Loss rate: 0.10%

Run 4: Report of FillP — Data Link

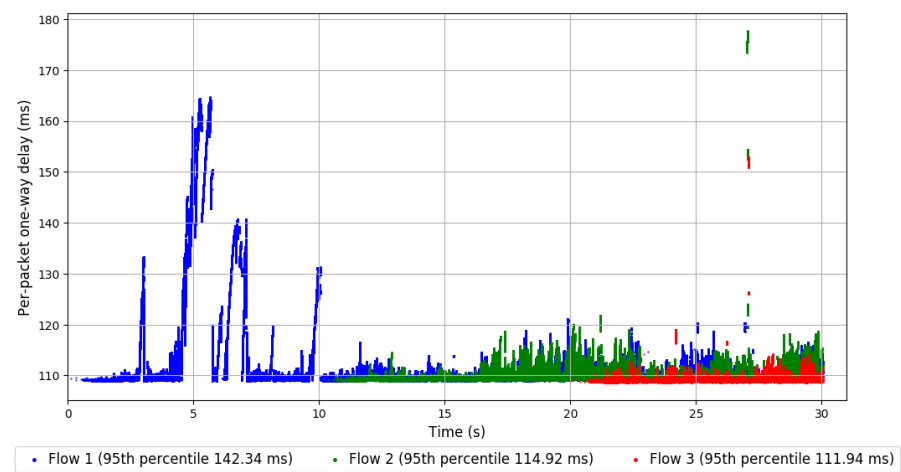
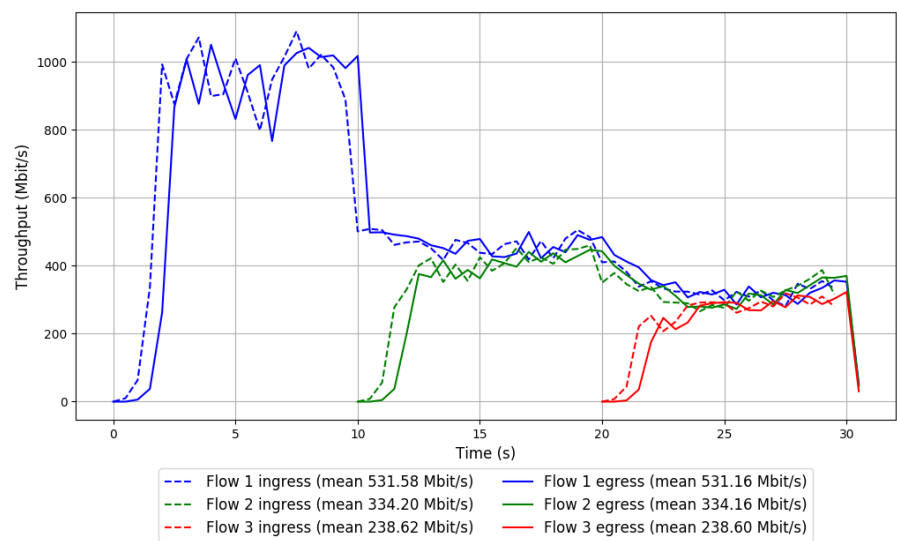


Run 5: Statistics of FillP

Start at: 2018-12-11 15:45:49
End at: 2018-12-11 15:46:19
Local clock offset: -0.172 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-12-11 17:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.24 Mbit/s
95th percentile per-packet one-way delay: 134.615 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 531.16 Mbit/s
95th percentile per-packet one-way delay: 142.345 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 334.16 Mbit/s
95th percentile per-packet one-way delay: 114.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 0.01%

Run 5: Report of FillP — Data Link

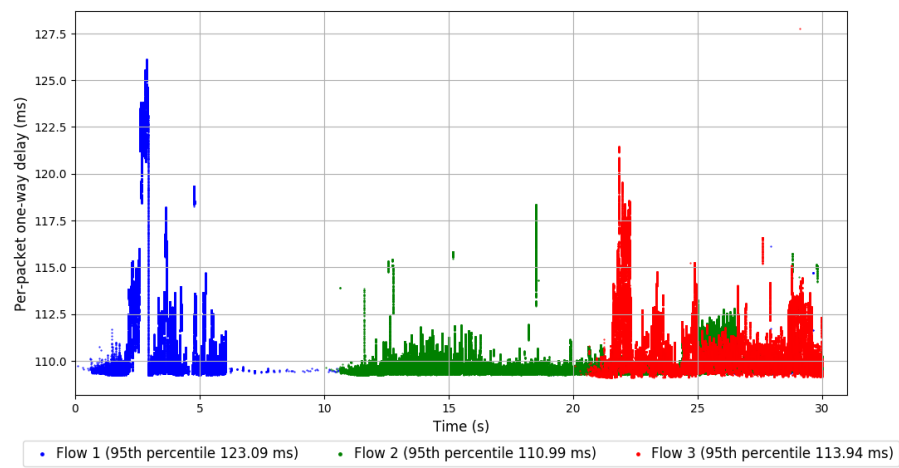
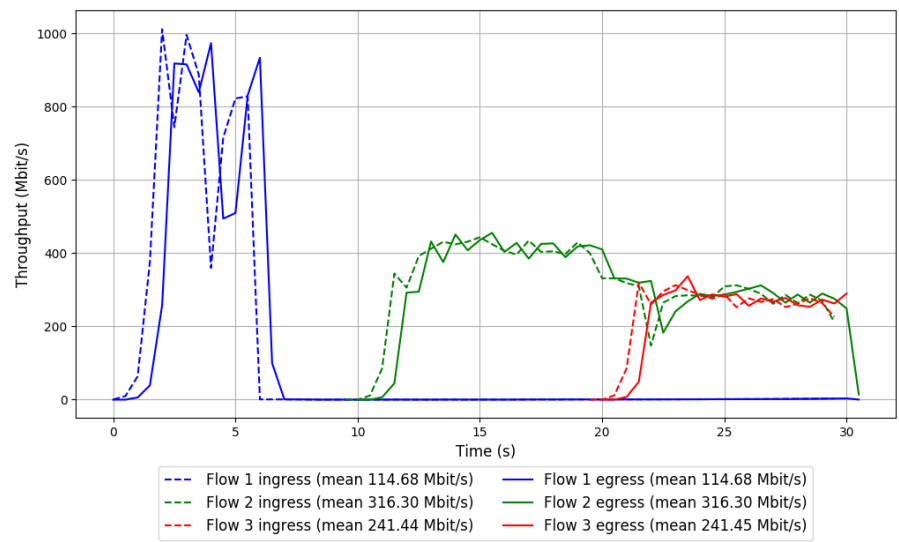


Run 1: Statistics of FillP-Sheep

Start at: 2018-12-11 13:19:49
End at: 2018-12-11 13:20:19
Local clock offset: -0.438 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-12-11 17:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.65 Mbit/s
95th percentile per-packet one-way delay: 114.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 123.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 316.30 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 241.45 Mbit/s
95th percentile per-packet one-way delay: 113.942 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

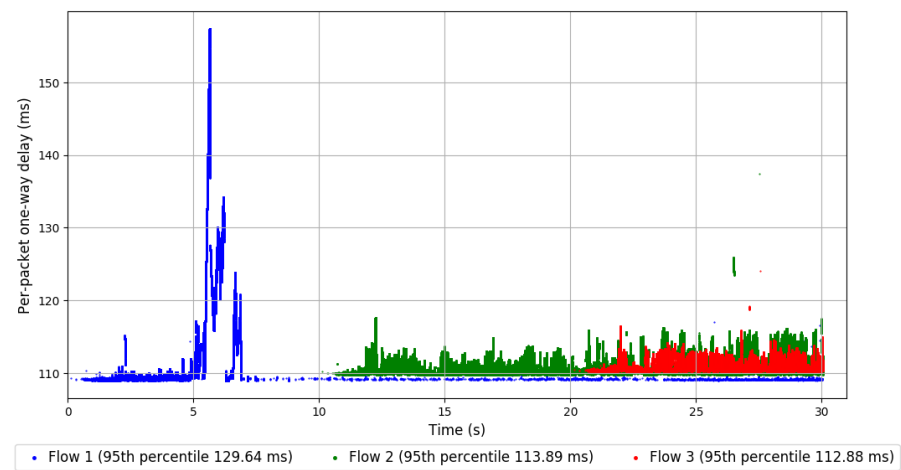
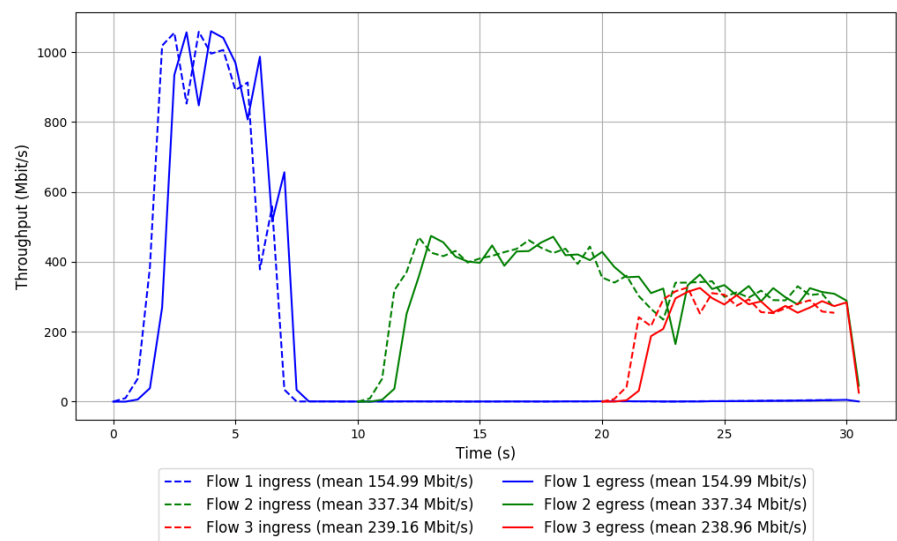


Run 2: Statistics of FillP-Sheep

Start at: 2018-12-11 13:54:28
End at: 2018-12-11 13:54:58
Local clock offset: -0.87 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-12-11 17:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.42 Mbit/s
95th percentile per-packet one-way delay: 120.484 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 154.99 Mbit/s
95th percentile per-packet one-way delay: 129.636 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 337.34 Mbit/s
95th percentile per-packet one-way delay: 113.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 238.96 Mbit/s
95th percentile per-packet one-way delay: 112.879 ms
Loss rate: 0.09%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-12-11 14:28:57

End at: 2018-12-11 14:29:27

Local clock offset: -0.32 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-12-11 17:15:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 814.35 Mbit/s

95th percentile per-packet one-way delay: 120.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 519.35 Mbit/s

95th percentile per-packet one-way delay: 123.996 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 327.34 Mbit/s

95th percentile per-packet one-way delay: 110.826 ms

Loss rate: 0.00%

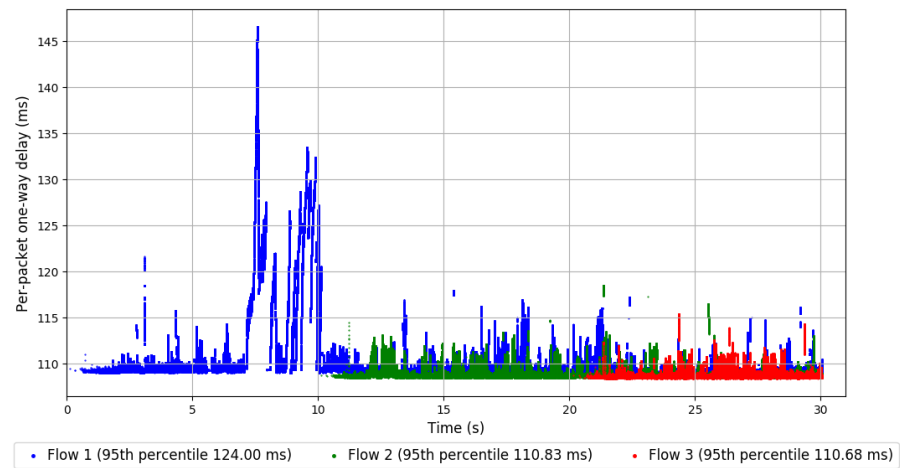
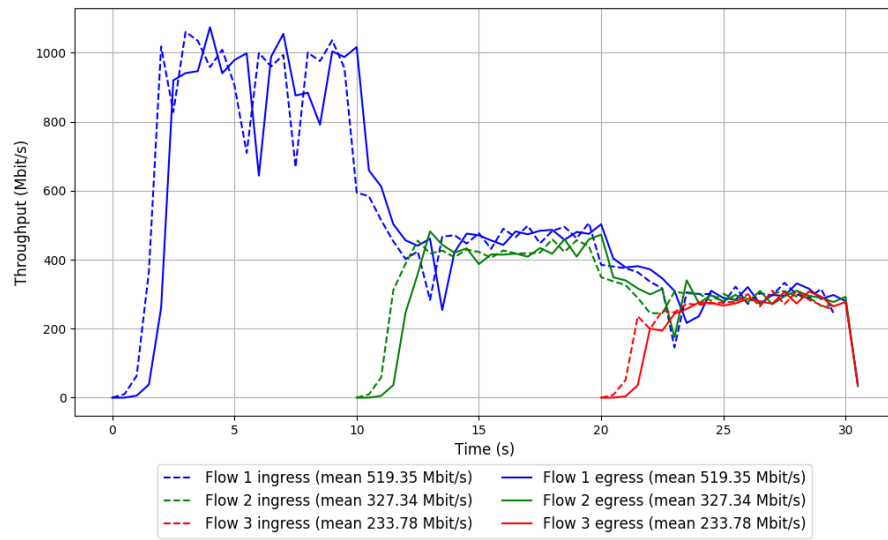
-- Flow 3:

Average throughput: 233.78 Mbit/s

95th percentile per-packet one-way delay: 110.679 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-12-11 15:03:33

End at: 2018-12-11 15:04:03

Local clock offset: -0.303 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-12-11 17:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 805.43 Mbit/s

95th percentile per-packet one-way delay: 127.736 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 523.50 Mbit/s

95th percentile per-packet one-way delay: 138.187 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 310.95 Mbit/s

95th percentile per-packet one-way delay: 113.726 ms

Loss rate: 0.00%

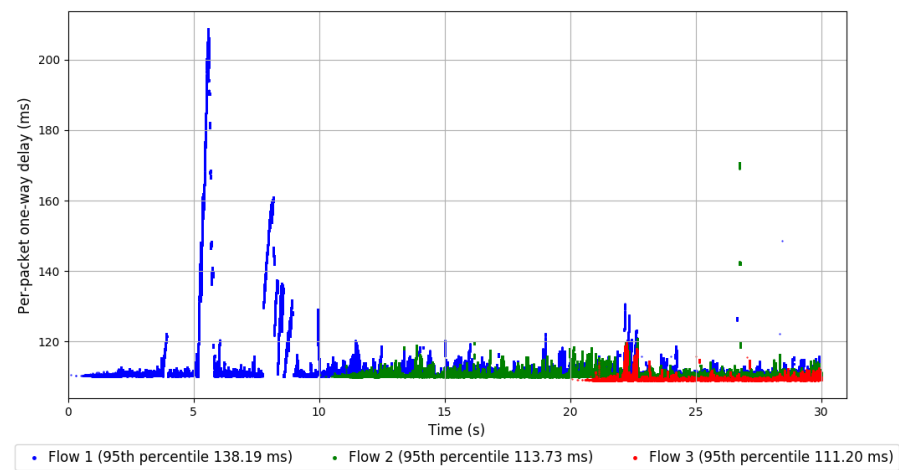
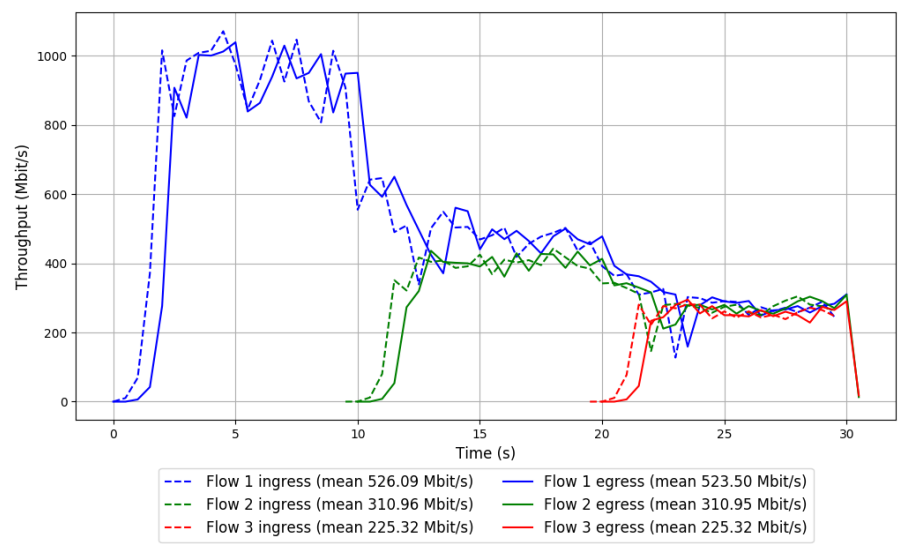
-- Flow 3:

Average throughput: 225.32 Mbit/s

95th percentile per-packet one-way delay: 111.196 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

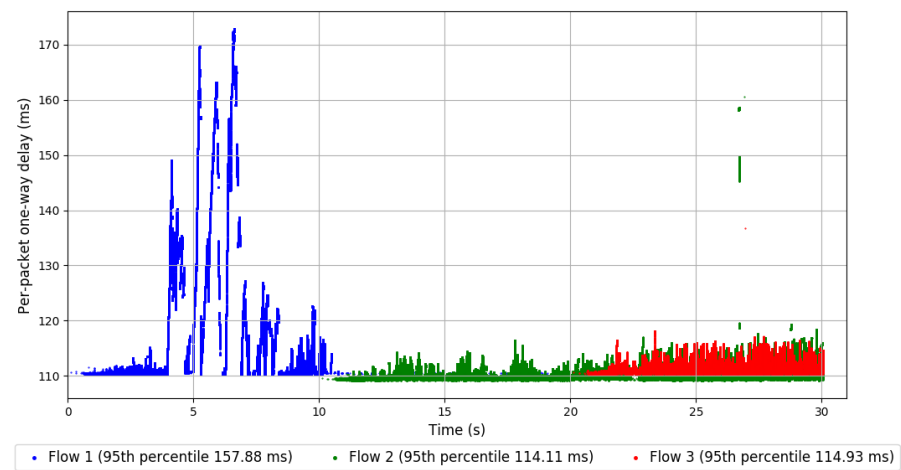
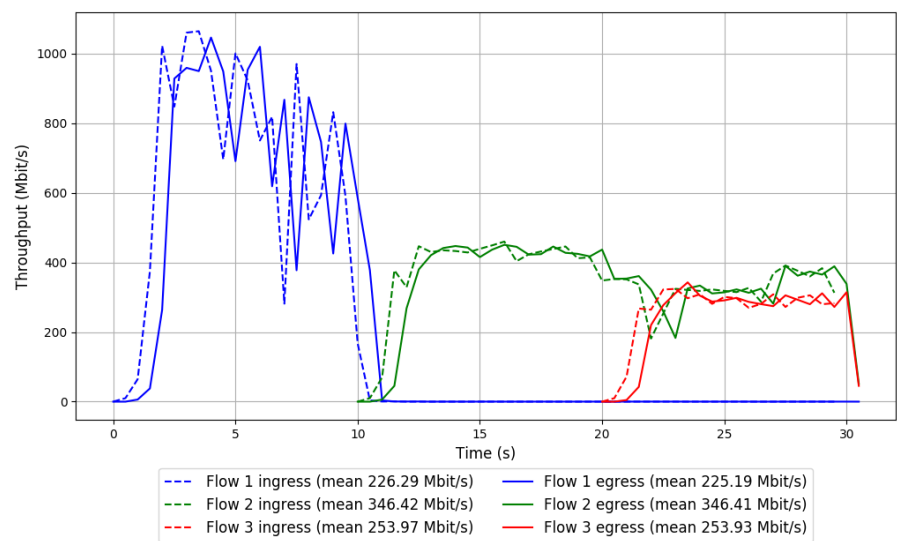


Run 5: Statistics of FillP-Sheep

Start at: 2018-12-11 15:38:12
End at: 2018-12-11 15:38:42
Local clock offset: -1.488 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-12-11 17:16:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.75 Mbit/s
95th percentile per-packet one-way delay: 142.106 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 225.19 Mbit/s
95th percentile per-packet one-way delay: 157.878 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 346.41 Mbit/s
95th percentile per-packet one-way delay: 114.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 253.93 Mbit/s
95th percentile per-packet one-way delay: 114.927 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

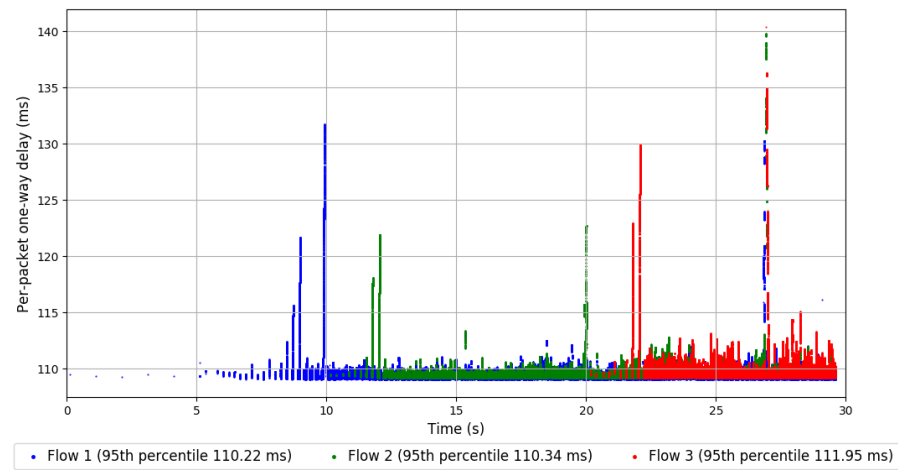
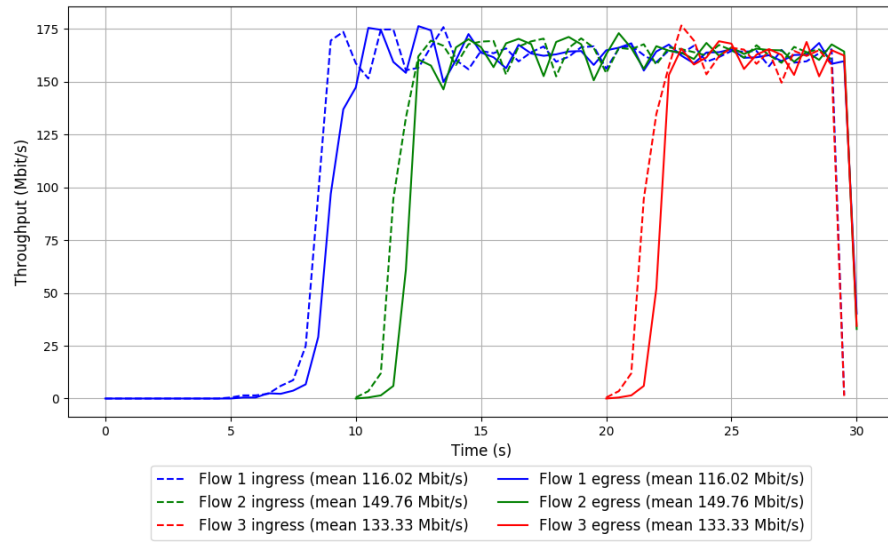


```
Run 1: Statistics of Indigo

Start at: 2018-12-11 13:16:46
End at: 2018-12-11 13:17:16
Local clock offset: -0.343 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-12-11 17:16:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 257.50 Mbit/s
95th percentile per-packet one-way delay: 110.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.02 Mbit/s
95th percentile per-packet one-way delay: 110.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 110.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.33 Mbit/s
95th percentile per-packet one-way delay: 111.951 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

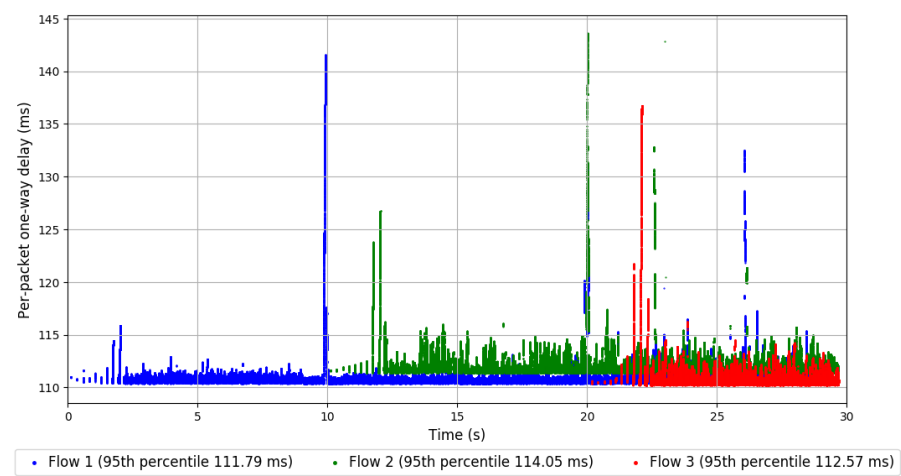
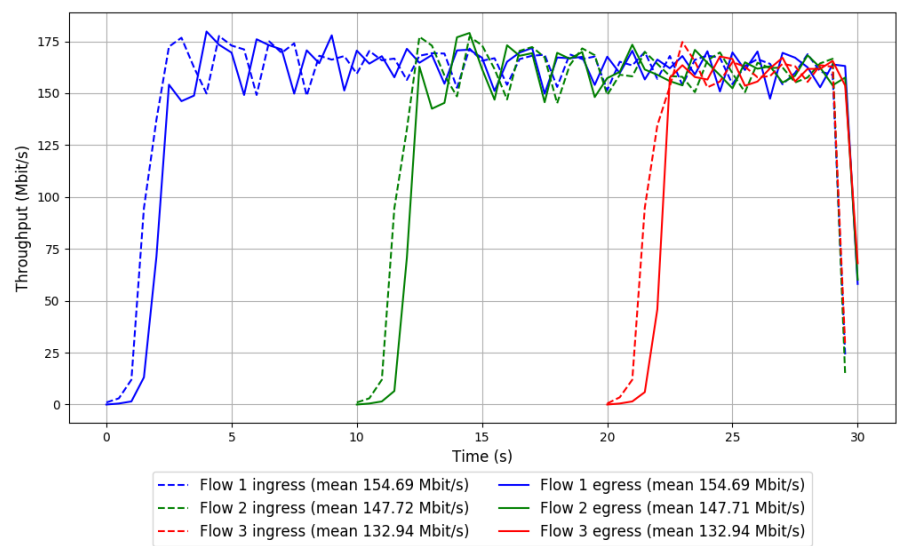


Run 2: Statistics of Indigo

Start at: 2018-12-11 13:51:22
End at: 2018-12-11 13:51:52
Local clock offset: -1.136 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-12-11 17:21:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.06 Mbit/s
95th percentile per-packet one-way delay: 113.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.69 Mbit/s
95th percentile per-packet one-way delay: 111.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.71 Mbit/s
95th percentile per-packet one-way delay: 114.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.94 Mbit/s
95th percentile per-packet one-way delay: 112.574 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

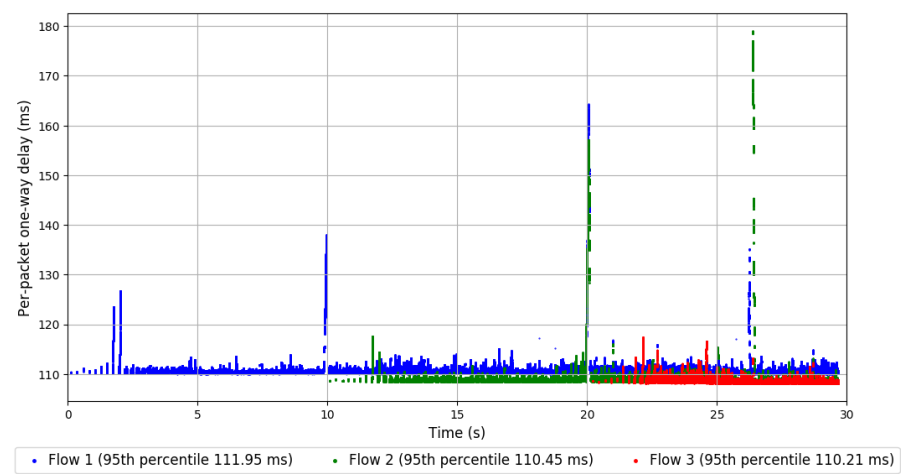
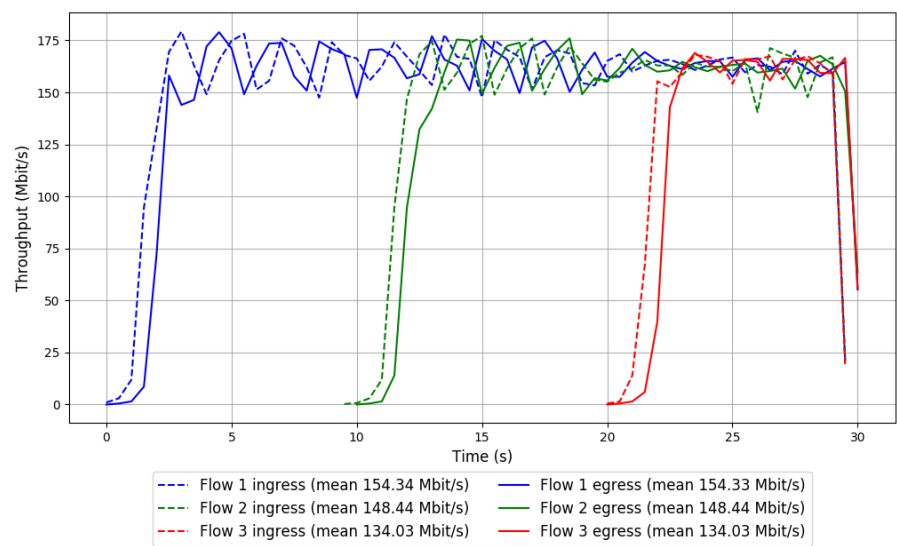


Run 3: Statistics of Indigo

Start at: 2018-12-11 14:25:51
End at: 2018-12-11 14:26:21
Local clock offset: 0.761 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-12-11 17:23:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.41 Mbit/s
95th percentile per-packet one-way delay: 111.597 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 111.952 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 148.44 Mbit/s
95th percentile per-packet one-way delay: 110.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 110.213 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

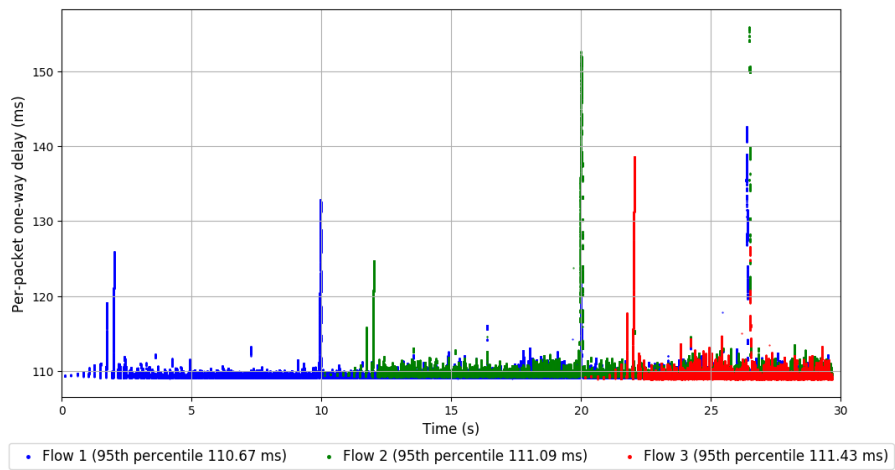
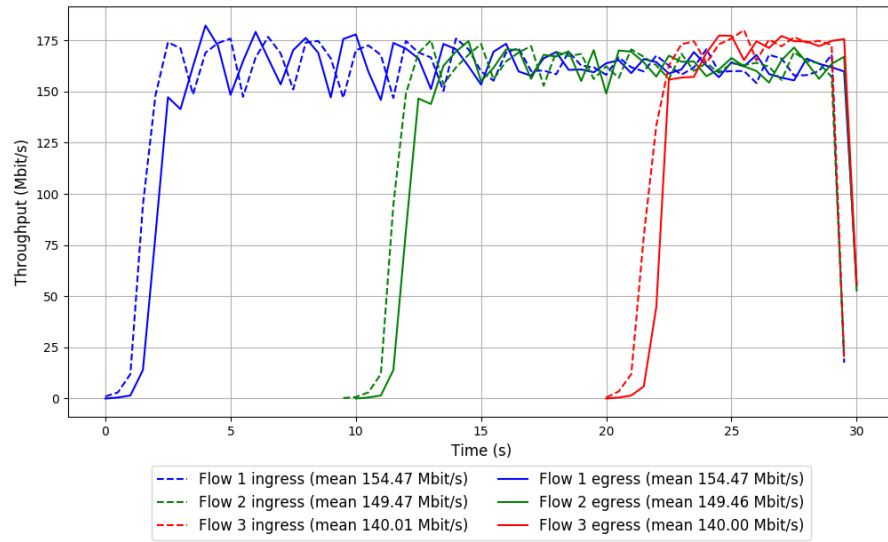


Run 4: Statistics of Indigo

Start at: 2018-12-11 15:00:27
End at: 2018-12-11 15:00:57
Local clock offset: -0.127 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-12-11 17:24:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.39 Mbit/s
95th percentile per-packet one-way delay: 110.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.47 Mbit/s
95th percentile per-packet one-way delay: 110.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.46 Mbit/s
95th percentile per-packet one-way delay: 111.094 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 140.00 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

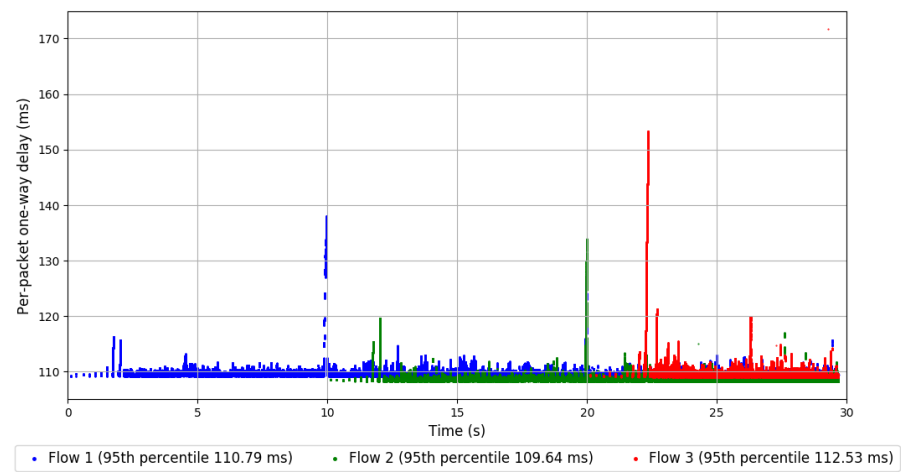
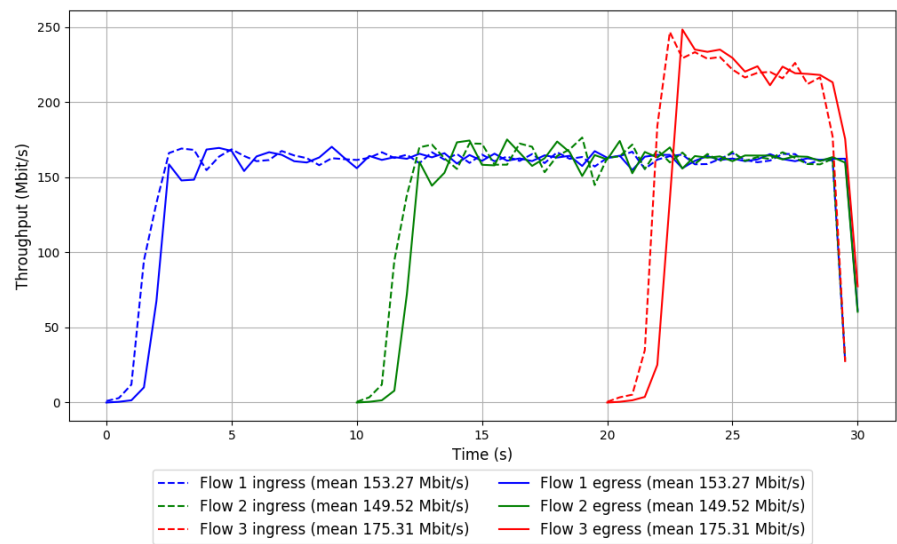


Run 5: Statistics of Indigo

Start at: 2018-12-11 15:35:03
End at: 2018-12-11 15:35:33
Local clock offset: 0.024 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-12-11 17:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.76 Mbit/s
95th percentile per-packet one-way delay: 110.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.27 Mbit/s
95th percentile per-packet one-way delay: 110.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.52 Mbit/s
95th percentile per-packet one-way delay: 109.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 112.532 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

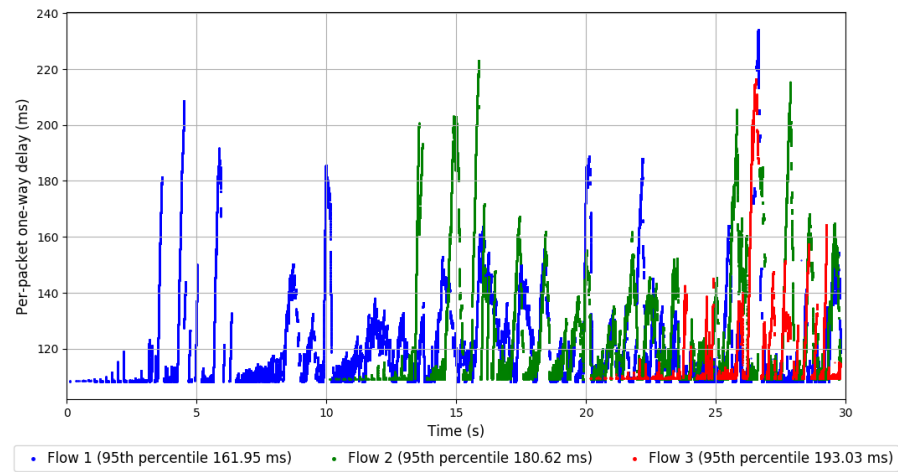
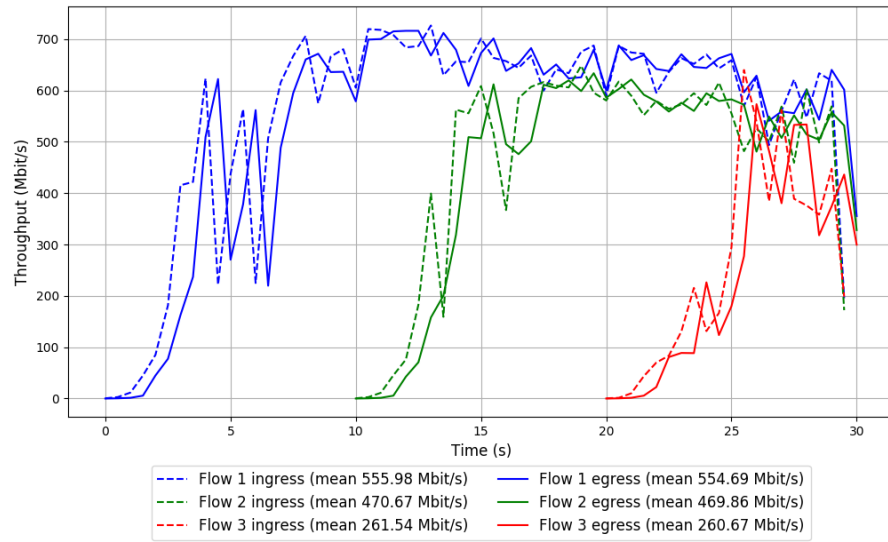


Run 1: Statistics of Indigo-MusesD

Start at: 2018-12-11 13:37:34
End at: 2018-12-11 13:38:04
Local clock offset: -0.06 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-12-11 17:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 950.73 Mbit/s
95th percentile per-packet one-way delay: 172.134 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 554.69 Mbit/s
95th percentile per-packet one-way delay: 161.950 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 469.86 Mbit/s
95th percentile per-packet one-way delay: 180.621 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 260.67 Mbit/s
95th percentile per-packet one-way delay: 193.029 ms
Loss rate: 0.34%

Run 1: Report of Indigo-MusesD — Data Link

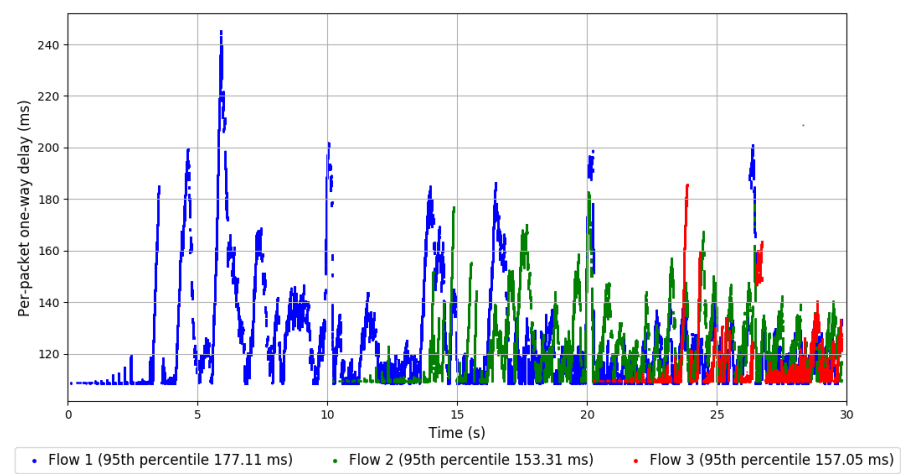
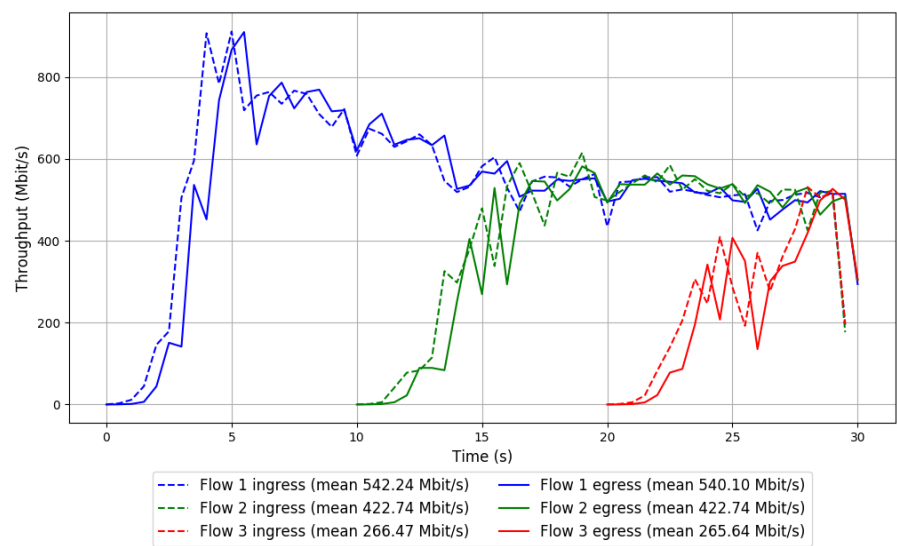


Run 2: Statistics of Indigo-MusesD

Start at: 2018-12-11 14:12:15
End at: 2018-12-11 14:12:45
Local clock offset: -0.248 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-12-11 17:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.49 Mbit/s
95th percentile per-packet one-way delay: 165.822 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 540.10 Mbit/s
95th percentile per-packet one-way delay: 177.114 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 422.74 Mbit/s
95th percentile per-packet one-way delay: 153.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 265.64 Mbit/s
95th percentile per-packet one-way delay: 157.050 ms
Loss rate: 0.31%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2018-12-11 14:46:59

End at: 2018-12-11 14:47:29

Local clock offset: -0.001 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-12-11 17:32:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 837.15 Mbit/s

95th percentile per-packet one-way delay: 167.167 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 458.61 Mbit/s

95th percentile per-packet one-way delay: 154.161 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 439.34 Mbit/s

95th percentile per-packet one-way delay: 193.843 ms

Loss rate: 0.54%

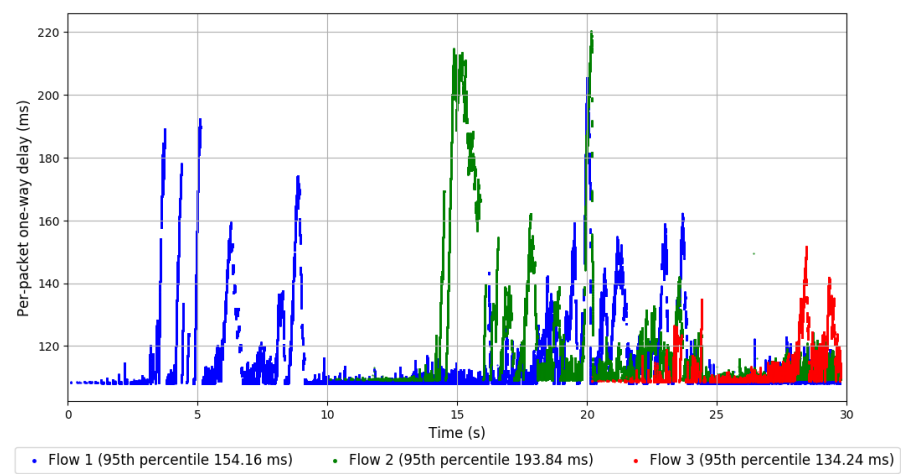
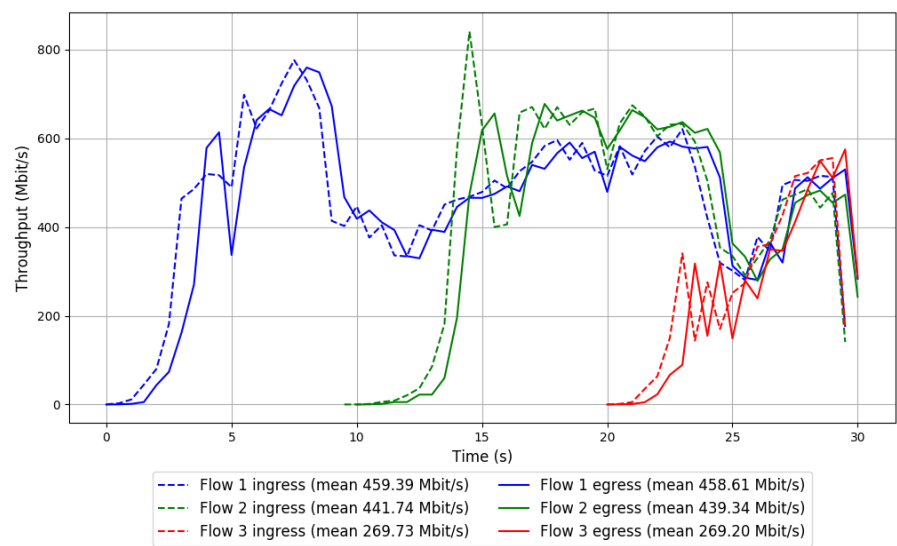
-- Flow 3:

Average throughput: 269.20 Mbit/s

95th percentile per-packet one-way delay: 134.238 ms

Loss rate: 0.20%

Run 3: Report of Indigo-MusesD — Data Link

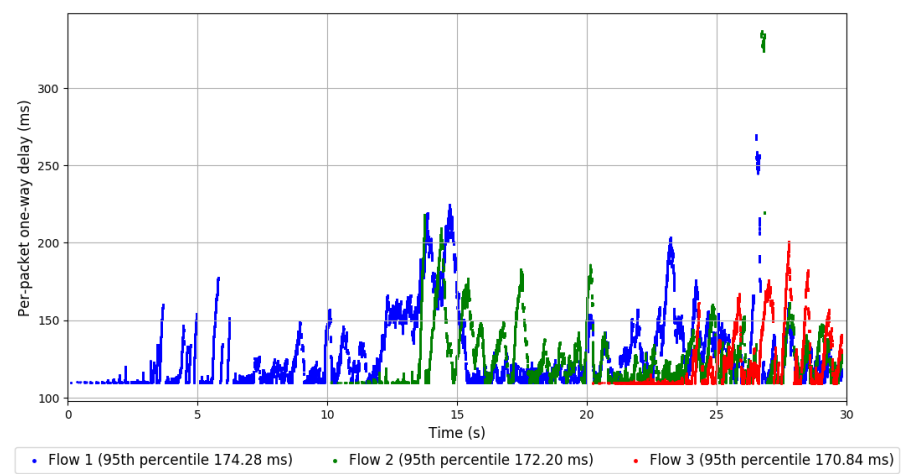
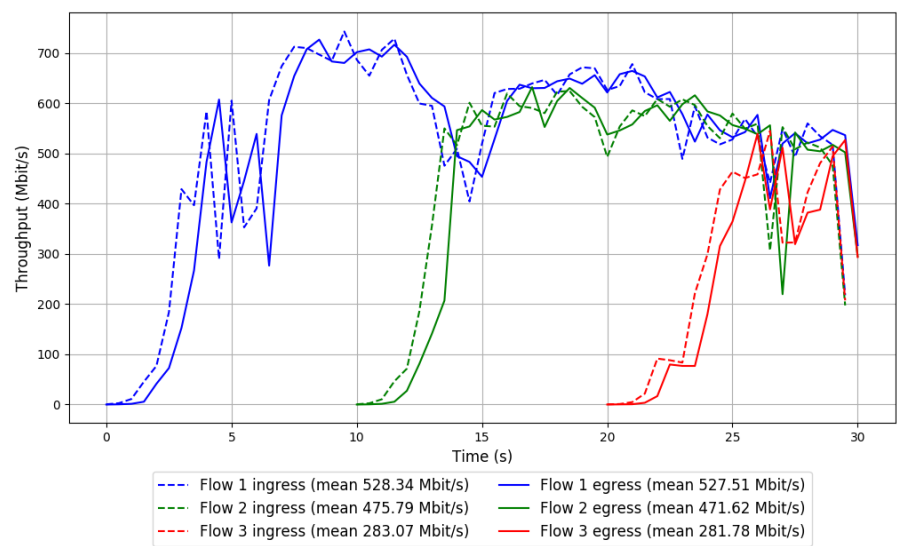


Run 4: Statistics of Indigo-MusesD

Start at: 2018-12-11 15:21:34
End at: 2018-12-11 15:22:04
Local clock offset: -0.288 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-12-11 17:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 930.88 Mbit/s
95th percentile per-packet one-way delay: 173.220 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 527.51 Mbit/s
95th percentile per-packet one-way delay: 174.277 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 471.62 Mbit/s
95th percentile per-packet one-way delay: 172.196 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 281.78 Mbit/s
95th percentile per-packet one-way delay: 170.836 ms
Loss rate: 0.44%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2018-12-11 15:55:36

End at: 2018-12-11 15:56:06

Local clock offset: -0.096 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-12-11 17:39:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 958.03 Mbit/s

95th percentile per-packet one-way delay: 174.640 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 554.57 Mbit/s

95th percentile per-packet one-way delay: 170.177 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 457.58 Mbit/s

95th percentile per-packet one-way delay: 165.480 ms

Loss rate: 0.26%

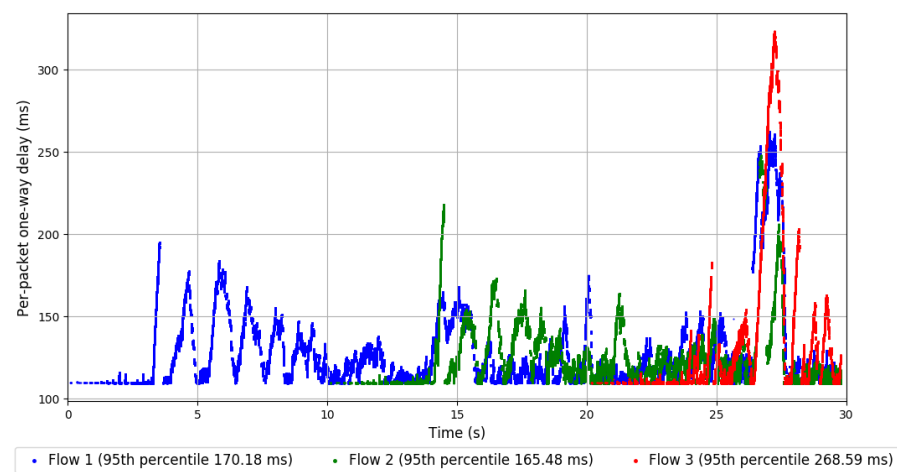
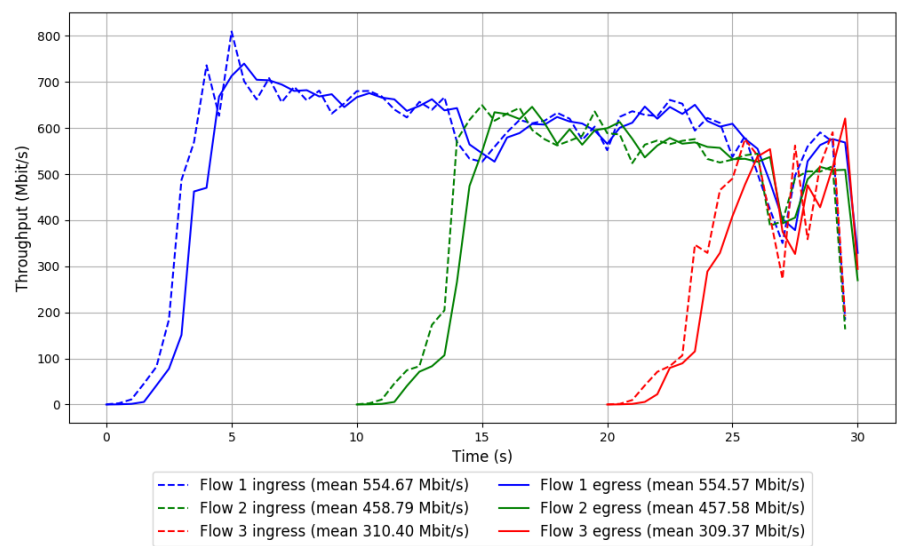
-- Flow 3:

Average throughput: 309.37 Mbit/s

95th percentile per-packet one-way delay: 268.593 ms

Loss rate: 0.32%

Run 5: Report of Indigo-MusesD — Data Link

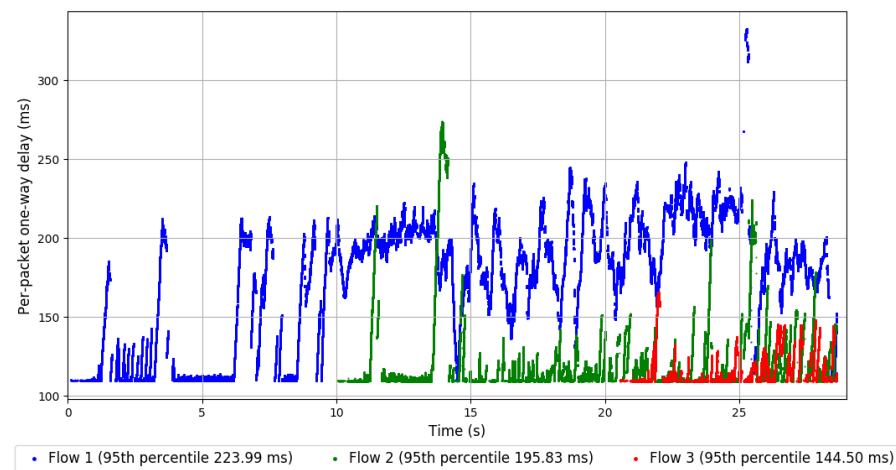
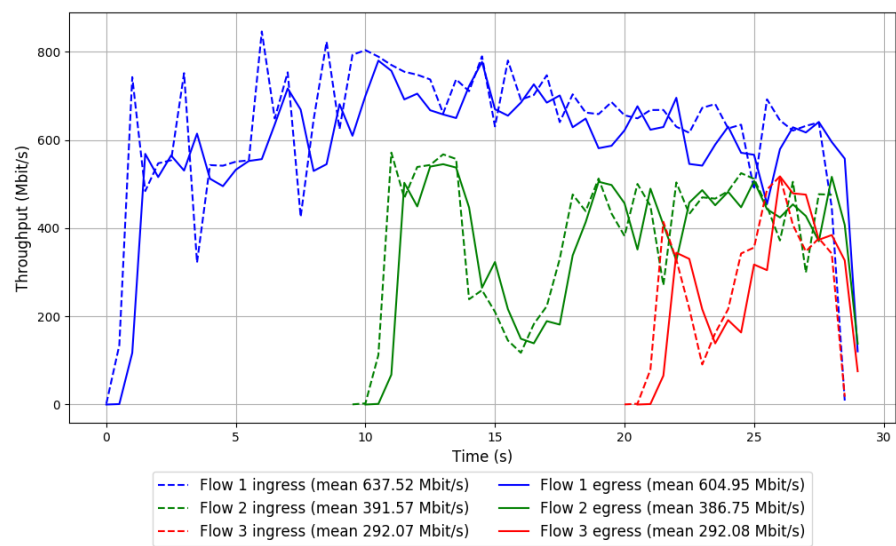


Run 1: Statistics of Indigo-MusesT

Start at: 2018-12-11 13:31:18
End at: 2018-12-11 13:31:48
Local clock offset: -0.26 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-12-11 17:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.08 Mbit/s
95th percentile per-packet one-way delay: 221.125 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 604.95 Mbit/s
95th percentile per-packet one-way delay: 223.991 ms
Loss rate: 5.11%
-- Flow 2:
Average throughput: 386.75 Mbit/s
95th percentile per-packet one-way delay: 195.827 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 292.08 Mbit/s
95th percentile per-packet one-way delay: 144.505 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link

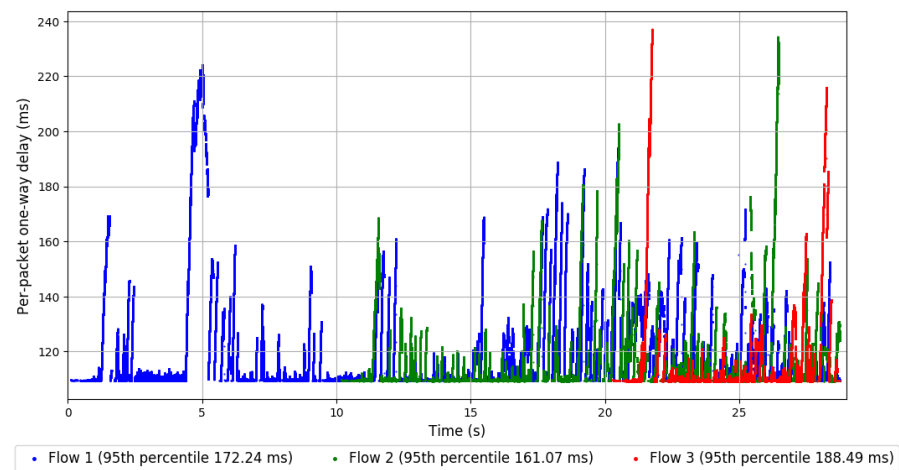
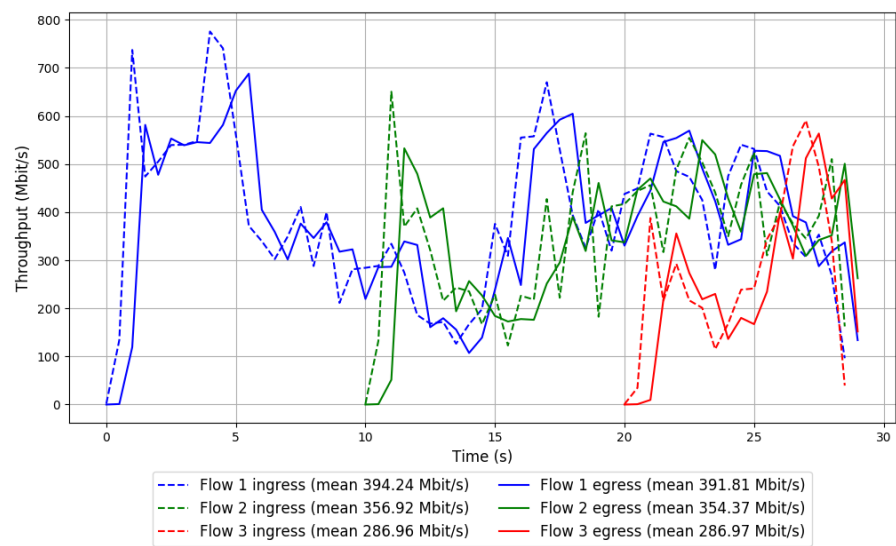


Run 2: Statistics of Indigo-MusesT

Start at: 2018-12-11 14:06:14
End at: 2018-12-11 14:06:44
Local clock offset: 0.021 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-12-11 17:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 706.25 Mbit/s
95th percentile per-packet one-way delay: 169.280 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 391.81 Mbit/s
95th percentile per-packet one-way delay: 172.240 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 354.37 Mbit/s
95th percentile per-packet one-way delay: 161.074 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 286.97 Mbit/s
95th percentile per-packet one-way delay: 188.494 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

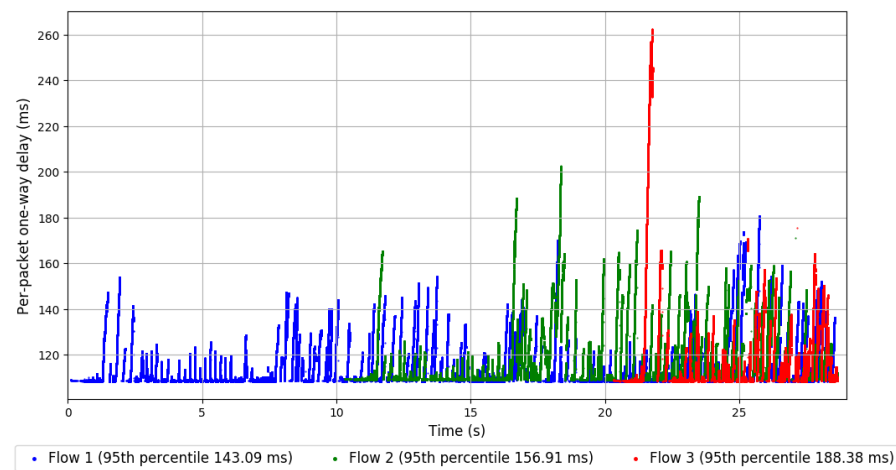
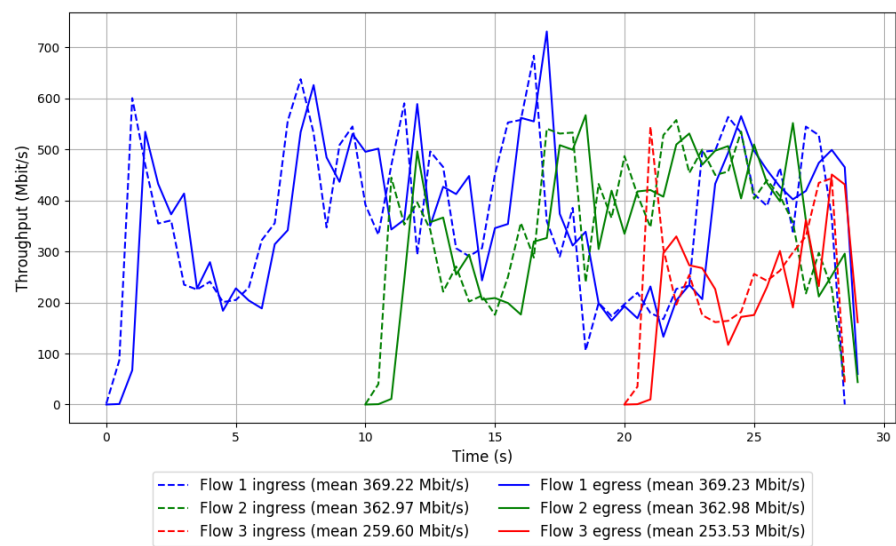


Run 3: Statistics of Indigo-MusesT

Start at: 2018-12-11 14:40:59
End at: 2018-12-11 14:41:29
Local clock offset: -0.208 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-12-11 17:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.62 Mbit/s
95th percentile per-packet one-way delay: 152.072 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 369.23 Mbit/s
95th percentile per-packet one-way delay: 143.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 362.98 Mbit/s
95th percentile per-packet one-way delay: 156.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 253.53 Mbit/s
95th percentile per-packet one-way delay: 188.380 ms
Loss rate: 2.34%

Run 3: Report of Indigo-MusesT — Data Link

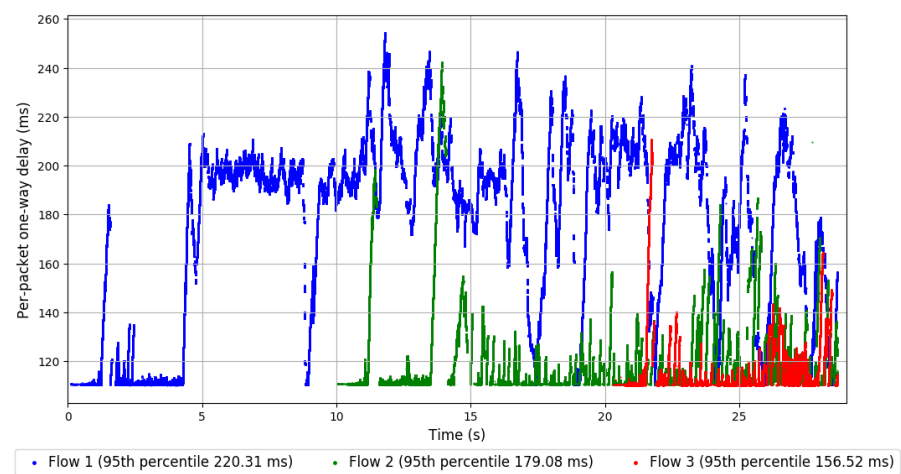
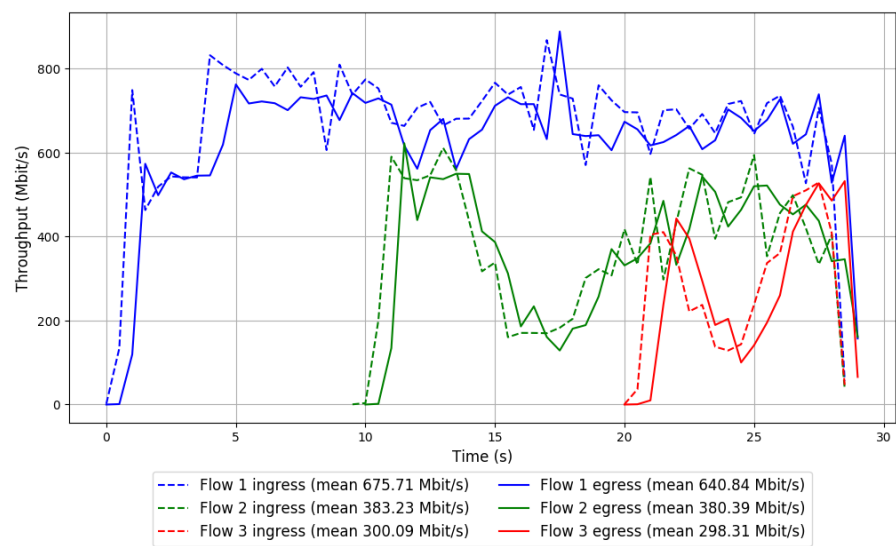


Run 4: Statistics of Indigo-MusesT

Start at: 2018-12-11 15:15:39
End at: 2018-12-11 15:16:09
Local clock offset: -1.387 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-12-11 17:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 976.16 Mbit/s
95th percentile per-packet one-way delay: 216.887 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 640.84 Mbit/s
95th percentile per-packet one-way delay: 220.313 ms
Loss rate: 5.17%
-- Flow 2:
Average throughput: 380.39 Mbit/s
95th percentile per-packet one-way delay: 179.083 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 298.31 Mbit/s
95th percentile per-packet one-way delay: 156.523 ms
Loss rate: 0.61%

Run 4: Report of Indigo-MusesT — Data Link

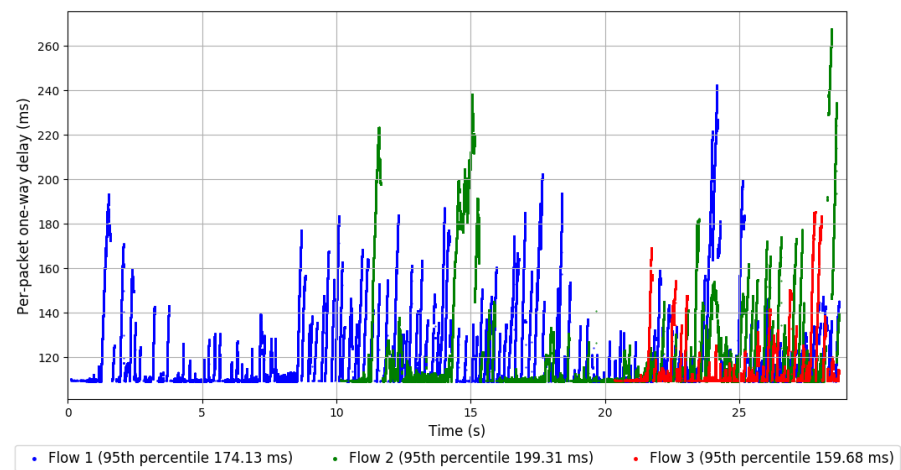
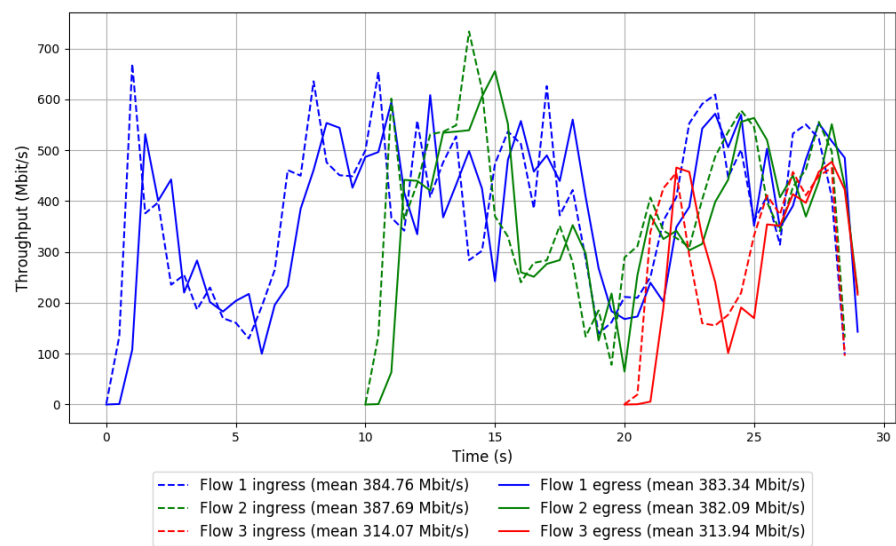


Run 5: Statistics of Indigo-MusesT

Start at: 2018-12-11 15:49:37
End at: 2018-12-11 15:50:07
Local clock offset: -0.208 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-12-11 17:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 722.99 Mbit/s
95th percentile per-packet one-way delay: 181.328 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 383.34 Mbit/s
95th percentile per-packet one-way delay: 174.132 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 382.09 Mbit/s
95th percentile per-packet one-way delay: 199.307 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 313.94 Mbit/s
95th percentile per-packet one-way delay: 159.680 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

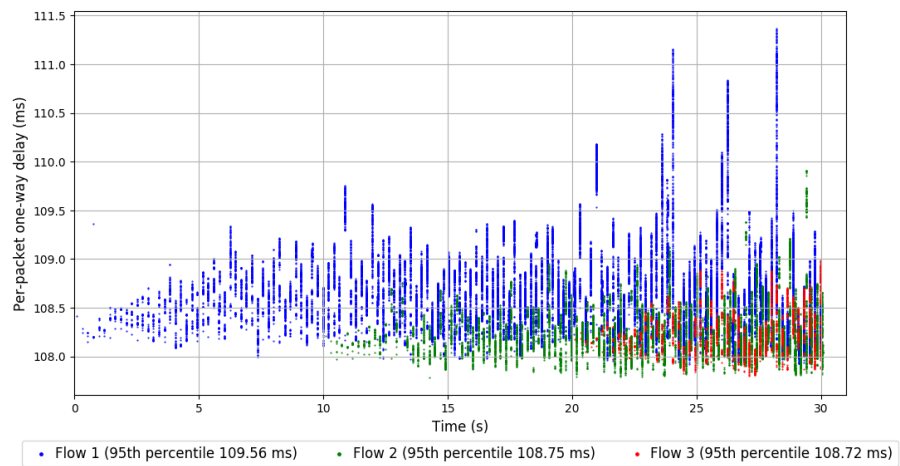
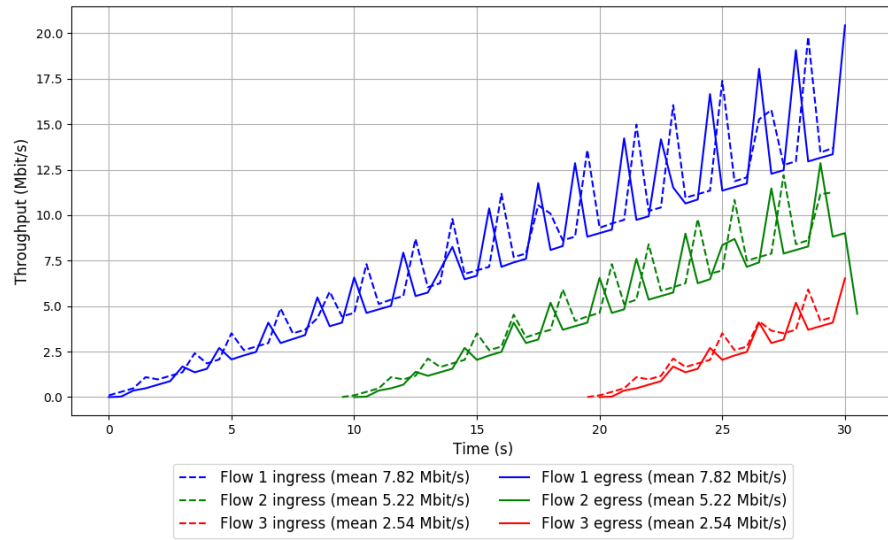



```
Run 1: Statistics of LEDBAT

Start at: 2018-12-11 13:44:26
End at: 2018-12-11 13:44:56
Local clock offset: 1.129 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-12-11 17:47:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 109.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 109.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 108.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 108.716 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-12-11 14:19:03

End at: 2018-12-11 14:19:33

Local clock offset: -0.662 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-12-11 17:47:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 111.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 111.448 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.24 Mbit/s

95th percentile per-packet one-way delay: 110.280 ms

Loss rate: 0.00%

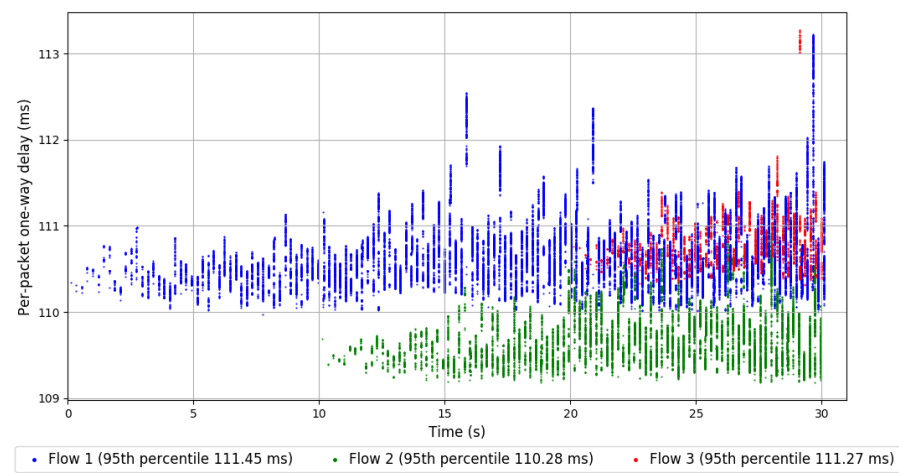
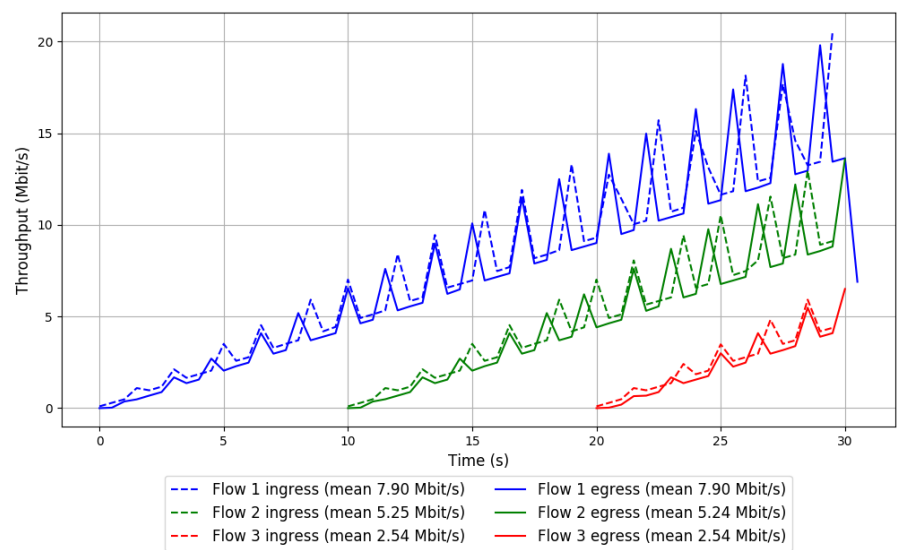
-- Flow 3:

Average throughput: 2.54 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

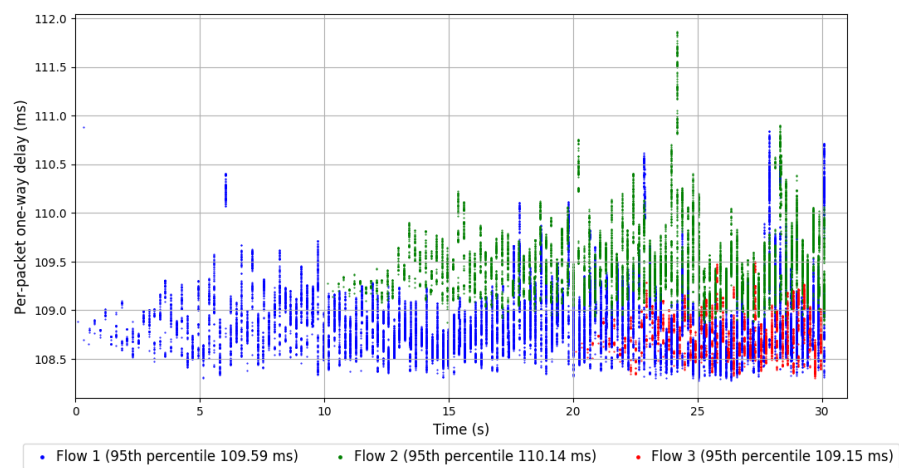
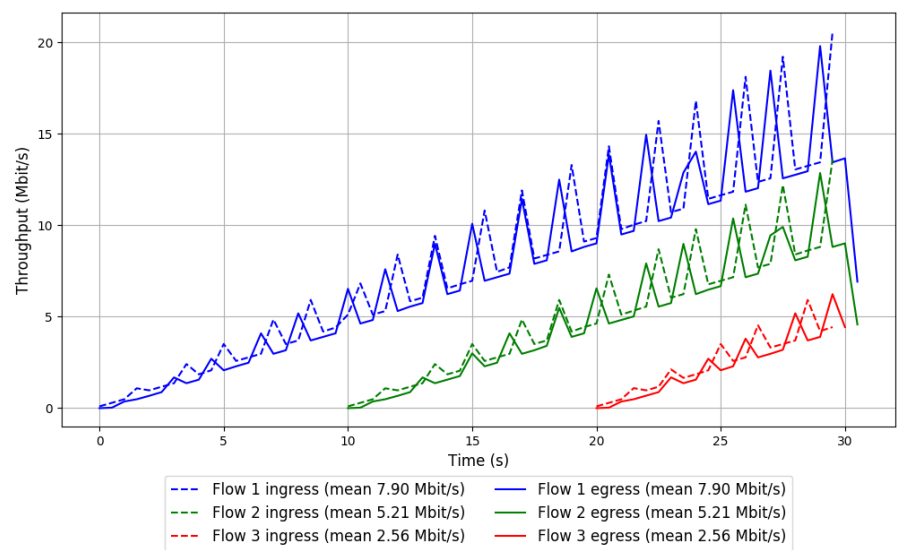


Run 3: Statistics of LEDBAT

Start at: 2018-12-11 14:53:41
End at: 2018-12-11 14:54:11
Local clock offset: -0.11 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-12-11 17:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 109.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 109.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 110.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 109.146 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

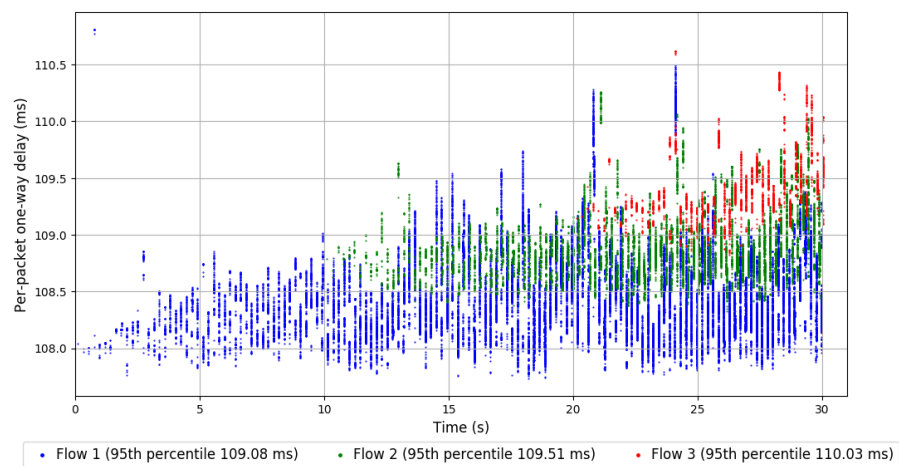
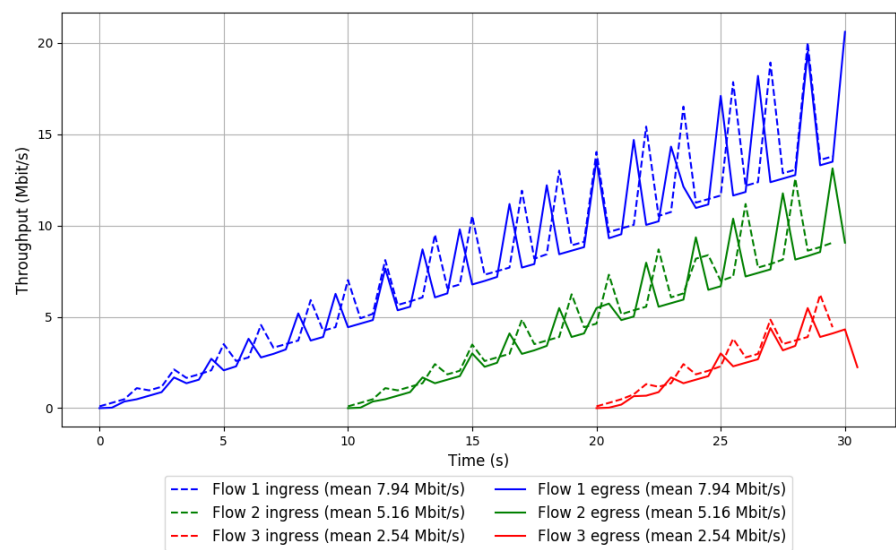


Run 4: Statistics of LEDBAT

Start at: 2018-12-11 15:28:25
End at: 2018-12-11 15:28:55
Local clock offset: 0.419 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-12-11 17:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 109.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 109.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 109.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 110.035 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

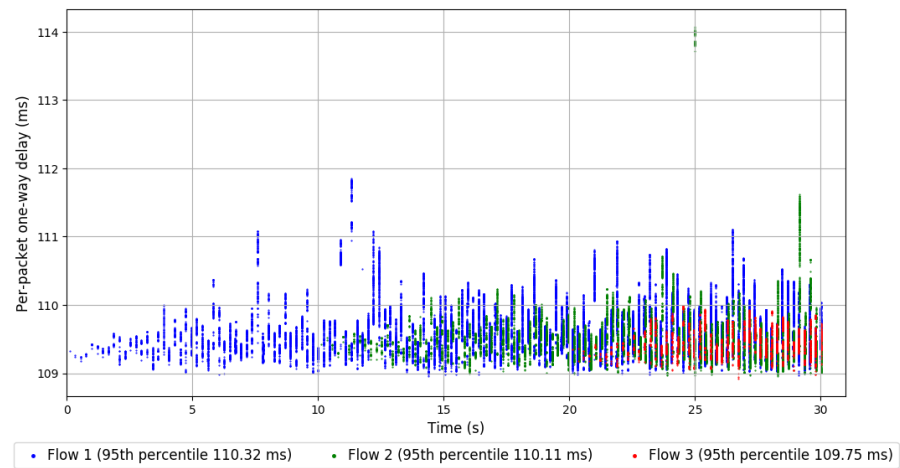
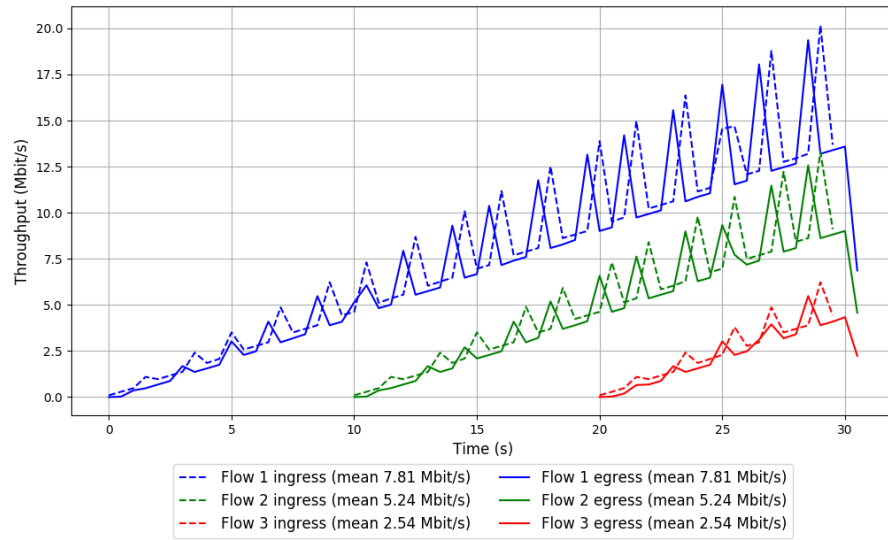


Run 5: Statistics of LEDBAT

Start at: 2018-12-11 16:02:34
End at: 2018-12-11 16:03:04
Local clock offset: -0.243 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-12-11 17:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 110.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 110.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 110.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 109.755 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

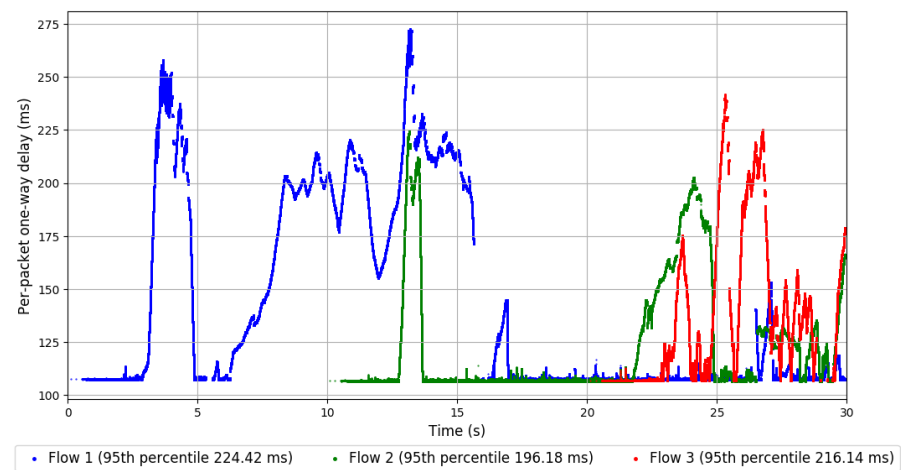
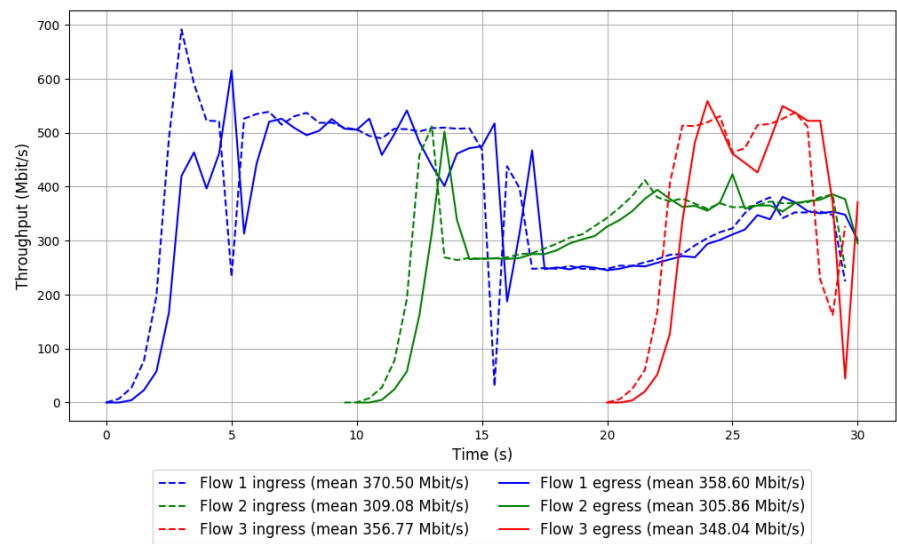


Run 1: Statistics of PCC-Allegro

Start at: 2018-12-11 13:23:41
End at: 2018-12-11 13:24:11
Local clock offset: 1.292 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-12-11 17:59:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.74 Mbit/s
95th percentile per-packet one-way delay: 218.317 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 358.60 Mbit/s
95th percentile per-packet one-way delay: 224.420 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 305.86 Mbit/s
95th percentile per-packet one-way delay: 196.184 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 348.04 Mbit/s
95th percentile per-packet one-way delay: 216.139 ms
Loss rate: 2.44%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-12-11 13:58:24

End at: 2018-12-11 13:58:54

Local clock offset: 0.017 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-12-11 17:59:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 620.35 Mbit/s

95th percentile per-packet one-way delay: 184.896 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 355.18 Mbit/s

95th percentile per-packet one-way delay: 196.169 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 285.43 Mbit/s

95th percentile per-packet one-way delay: 137.146 ms

Loss rate: 0.46%

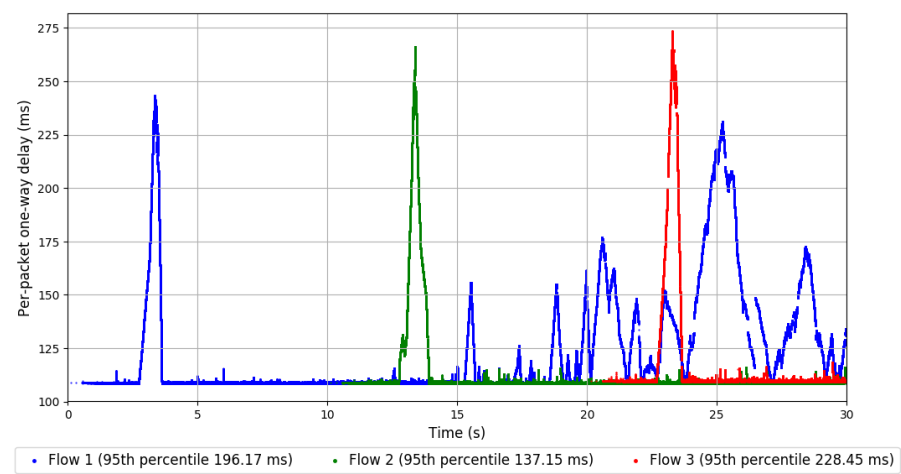
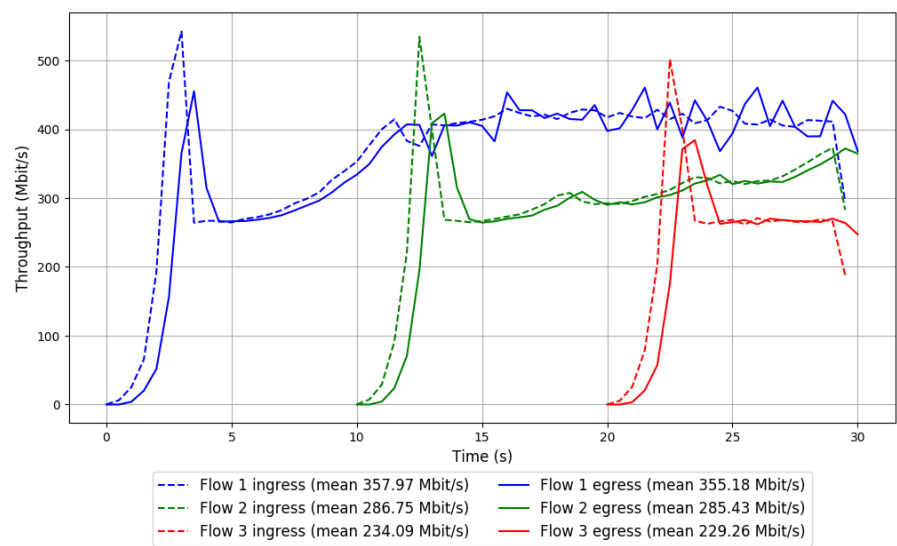
-- Flow 3:

Average throughput: 229.26 Mbit/s

95th percentile per-packet one-way delay: 228.446 ms

Loss rate: 2.08%

Run 2: Report of PCC-Allegro — Data Link

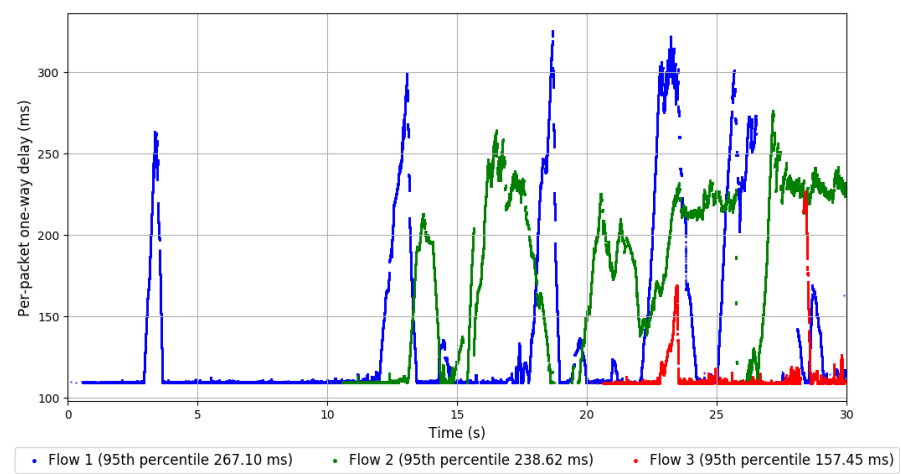
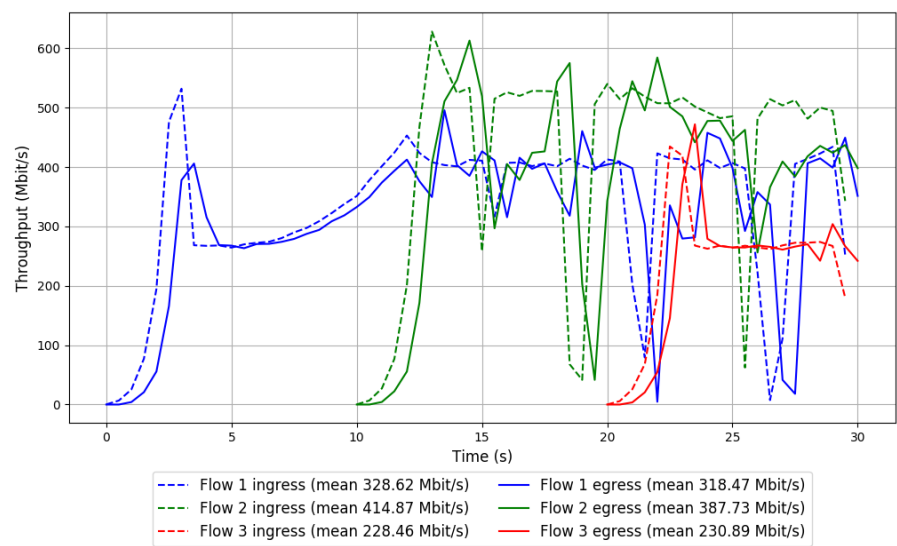


Run 3: Statistics of PCC-Allegro

Start at: 2018-12-11 14:33:05
End at: 2018-12-11 14:33:35
Local clock offset: -0.135 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-12-11 18:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 651.96 Mbit/s
95th percentile per-packet one-way delay: 245.925 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 318.47 Mbit/s
95th percentile per-packet one-way delay: 267.098 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 387.73 Mbit/s
95th percentile per-packet one-way delay: 238.618 ms
Loss rate: 6.98%
-- Flow 3:
Average throughput: 230.89 Mbit/s
95th percentile per-packet one-way delay: 157.448 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

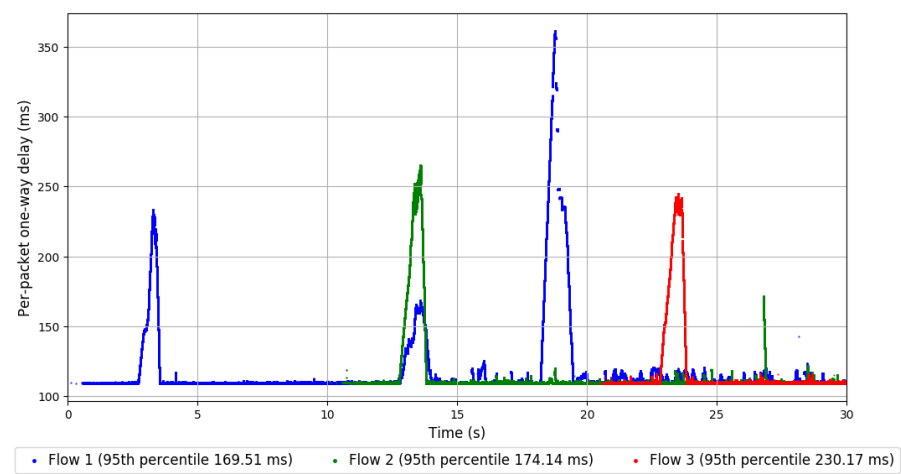
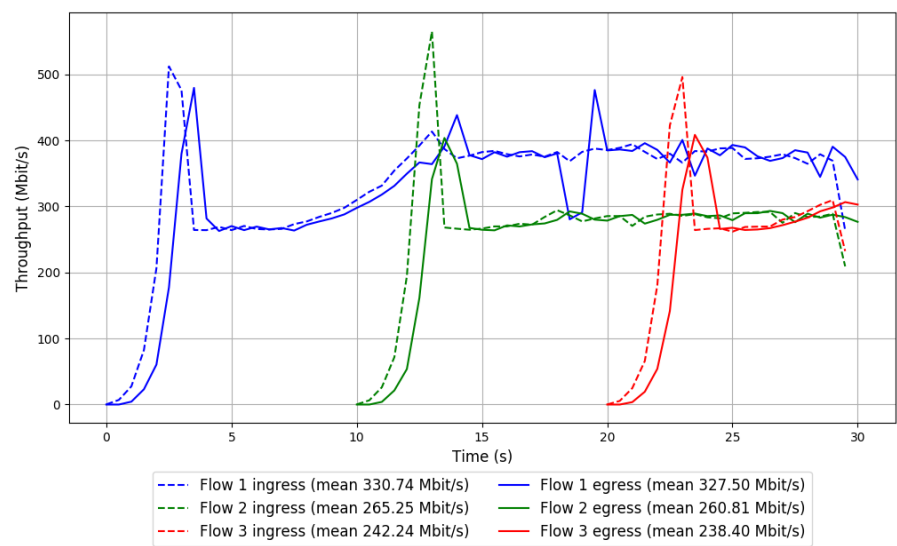


Run 4: Statistics of PCC-Allegro

Start at: 2018-12-11 15:07:38
End at: 2018-12-11 15:08:08
Local clock offset: -0.092 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-12-11 18:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 579.33 Mbit/s
95th percentile per-packet one-way delay: 186.959 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 327.50 Mbit/s
95th percentile per-packet one-way delay: 169.515 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 260.81 Mbit/s
95th percentile per-packet one-way delay: 174.143 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 238.40 Mbit/s
95th percentile per-packet one-way delay: 230.167 ms
Loss rate: 1.58%

Run 4: Report of PCC-Allegro — Data Link

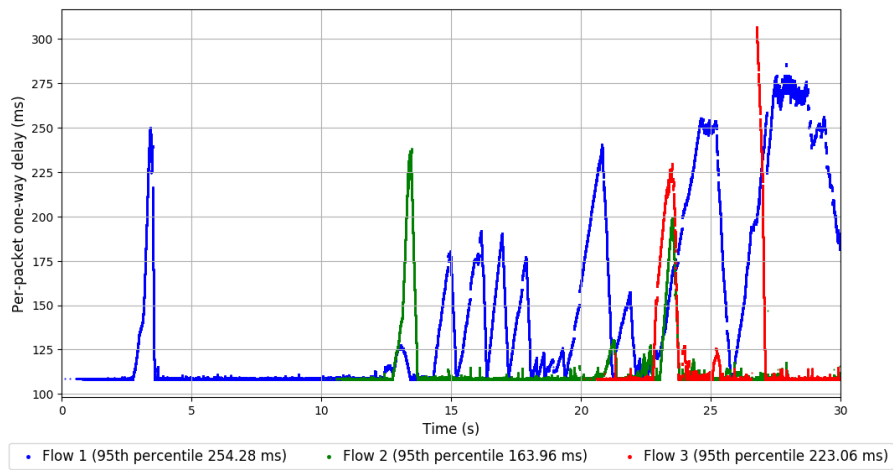
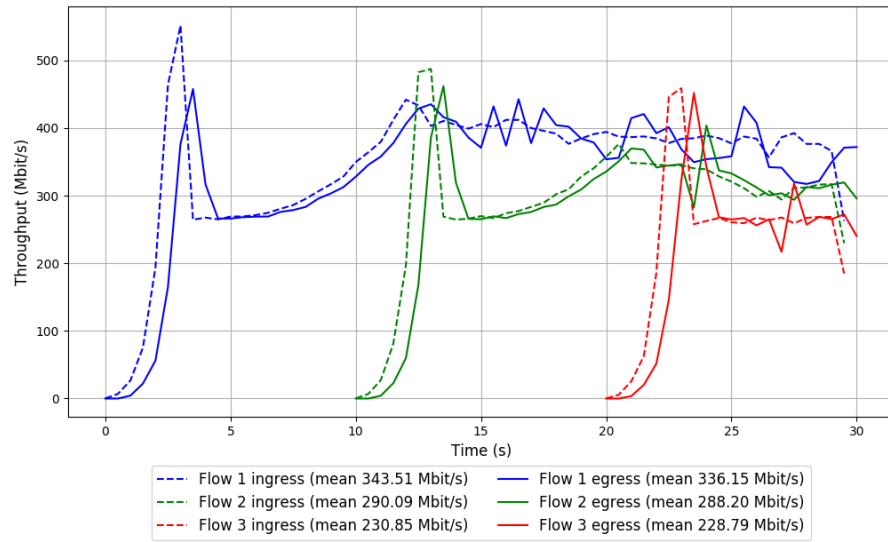


Run 5: Statistics of PCC-Allegro

Start at: 2018-12-11 15:42:04
End at: 2018-12-11 15:42:34
Local clock offset: 0.597 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-12-11 18:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.94 Mbit/s
95th percentile per-packet one-way delay: 248.285 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 336.15 Mbit/s
95th percentile per-packet one-way delay: 254.279 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 288.20 Mbit/s
95th percentile per-packet one-way delay: 163.958 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 223.060 ms
Loss rate: 0.89%

Run 5: Report of PCC-Allegro — Data Link

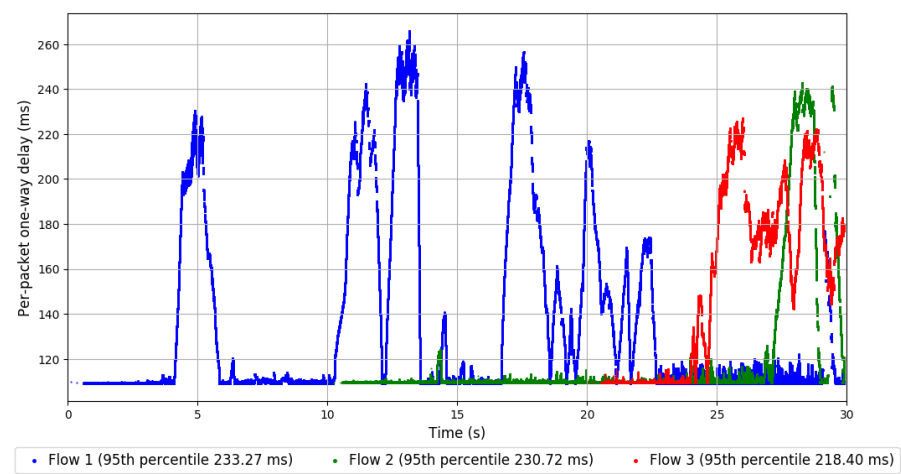
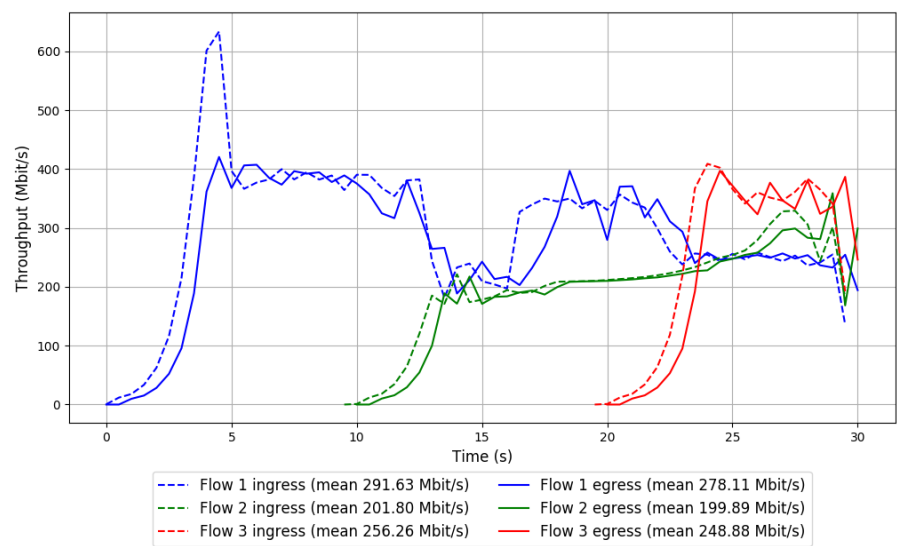


```
Run 1: Statistics of PCC-Expr

Start at: 2018-12-11 13:42:18
End at: 2018-12-11 13:42:48
Local clock offset: -0.146 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-12-11 18:03:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.85 Mbit/s
95th percentile per-packet one-way delay: 226.806 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 278.11 Mbit/s
95th percentile per-packet one-way delay: 233.270 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 199.89 Mbit/s
95th percentile per-packet one-way delay: 230.725 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 248.88 Mbit/s
95th percentile per-packet one-way delay: 218.395 ms
Loss rate: 2.87%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-12-11 14:16:55

End at: 2018-12-11 14:17:25

Local clock offset: -0.125 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-12-11 18:03:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.11 Mbit/s

95th percentile per-packet one-way delay: 220.382 ms

Loss rate: 2.79%

-- Flow 1:

Average throughput: 283.18 Mbit/s

95th percentile per-packet one-way delay: 234.400 ms

Loss rate: 3.74%

-- Flow 2:

Average throughput: 186.03 Mbit/s

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

Loss rate: 0.01%

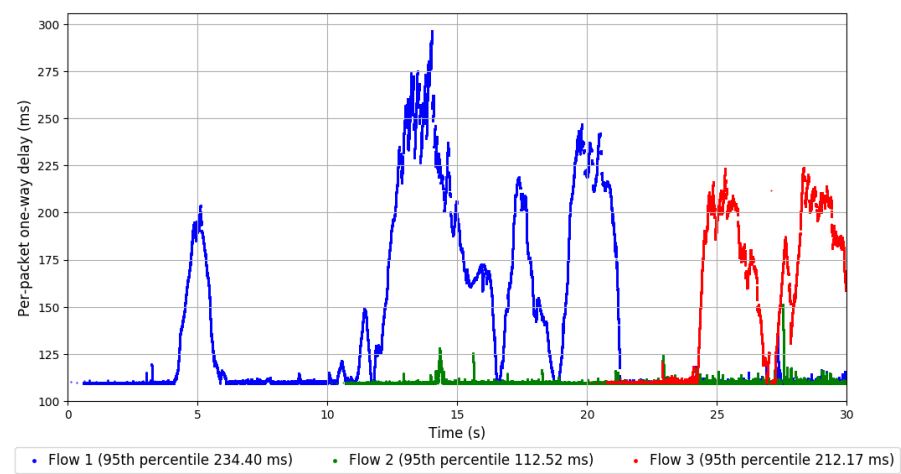
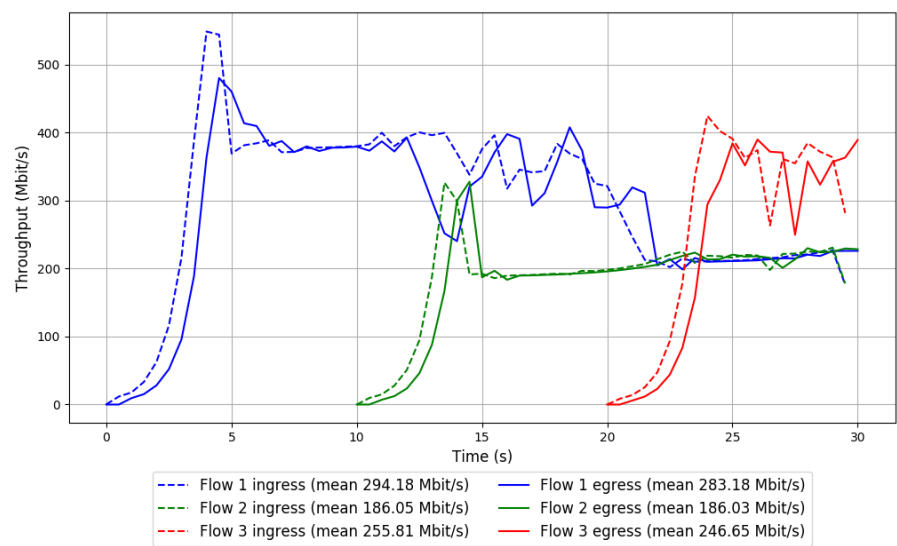
-- Flow 3:

Average throughput: 246.65 Mbit/s

95th percentile per-packet one-way delay: 212.171 ms

Loss rate: 3.58%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-12-11 14:51:38

End at: 2018-12-11 14:52:08

Local clock offset: -0.915 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-12-11 18:05:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.69 Mbit/s

95th percentile per-packet one-way delay: 232.365 ms

Loss rate: 4.91%

-- Flow 1:

Average throughput: 272.61 Mbit/s

95th percentile per-packet one-way delay: 237.775 ms

Loss rate: 7.23%

-- Flow 2:

Average throughput: 175.26 Mbit/s

95th percentile per-packet one-way delay: 166.067 ms

Loss rate: 0.44%

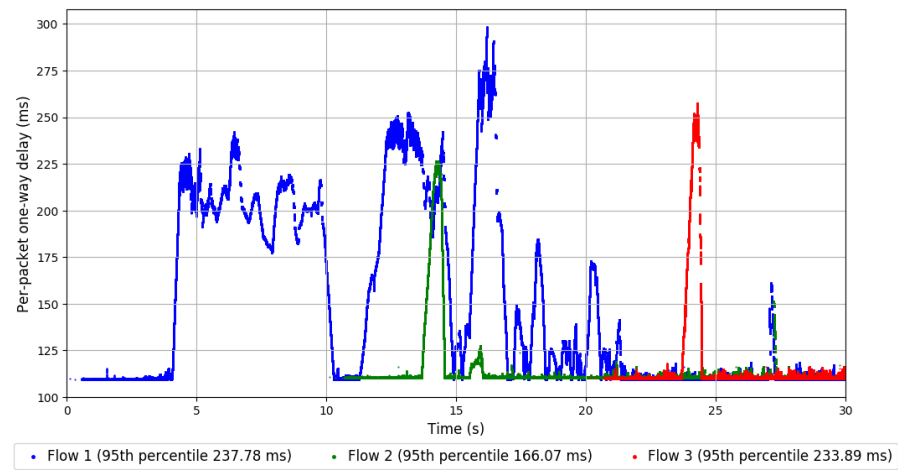
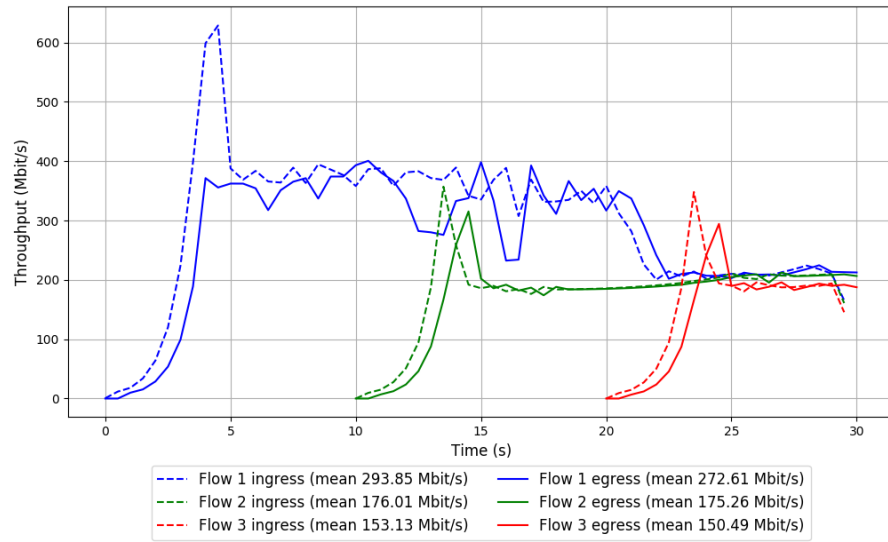
-- Flow 3:

Average throughput: 150.49 Mbit/s

95th percentile per-packet one-way delay: 233.891 ms

Loss rate: 1.77%

Run 3: Report of PCC-Expr — Data Link

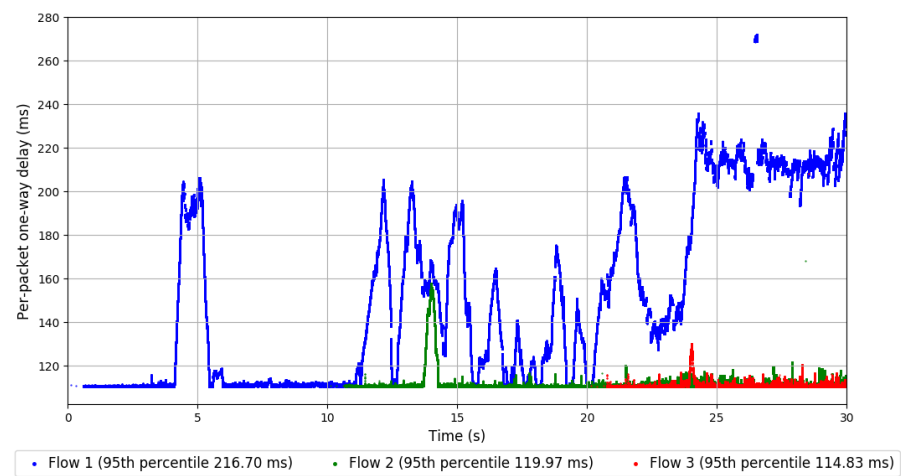
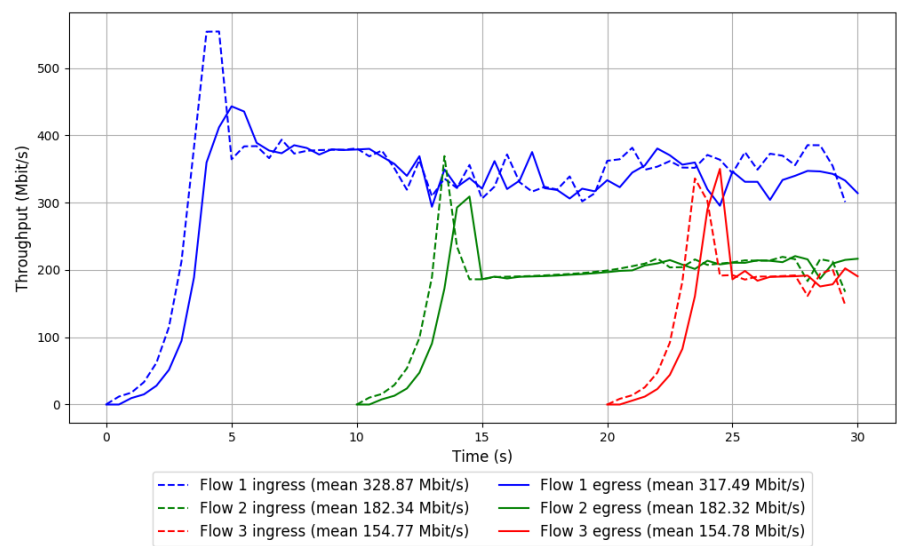


Run 4: Statistics of PCC-Expr

Start at: 2018-12-11 15:26:17
End at: 2018-12-11 15:26:47
Local clock offset: -1.492 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-12-11 18:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.73 Mbit/s
95th percentile per-packet one-way delay: 214.366 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 317.49 Mbit/s
95th percentile per-packet one-way delay: 216.701 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 182.32 Mbit/s
95th percentile per-packet one-way delay: 119.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 154.78 Mbit/s
95th percentile per-packet one-way delay: 114.828 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

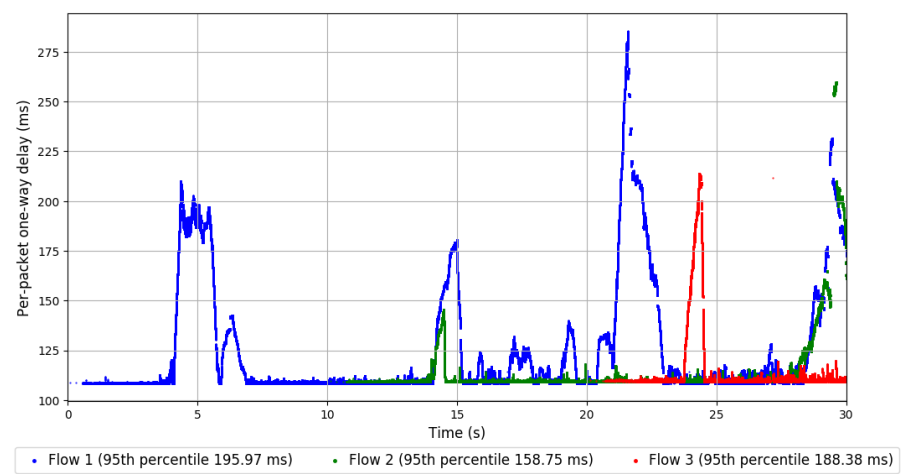
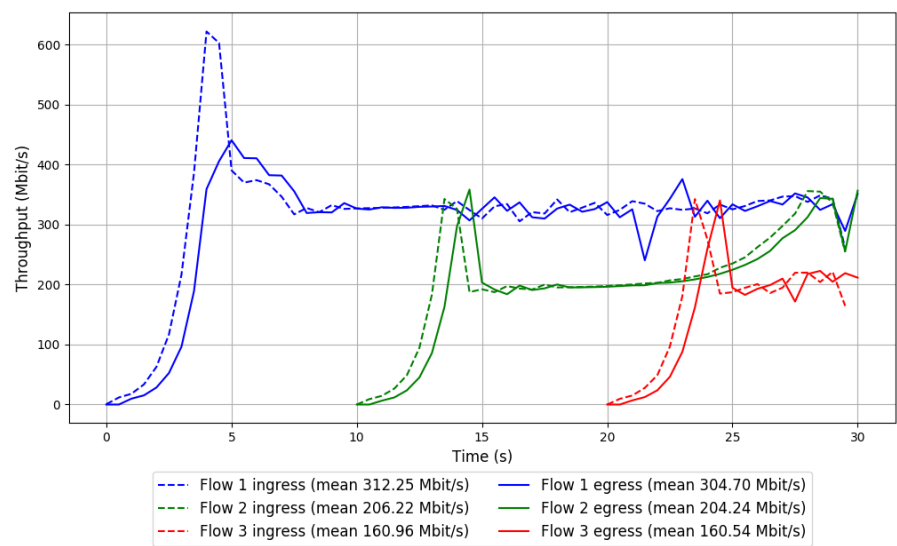


Run 5: Statistics of PCC-Expr

Start at: 2018-12-11 16:00:24
End at: 2018-12-11 16:00:54
Local clock offset: -0.113 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.36 Mbit/s
95th percentile per-packet one-way delay: 193.992 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 304.70 Mbit/s
95th percentile per-packet one-way delay: 195.969 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 204.24 Mbit/s
95th percentile per-packet one-way delay: 158.753 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 160.54 Mbit/s
95th percentile per-packet one-way delay: 188.379 ms
Loss rate: 0.27%

Run 5: Report of PCC-Expr — Data Link

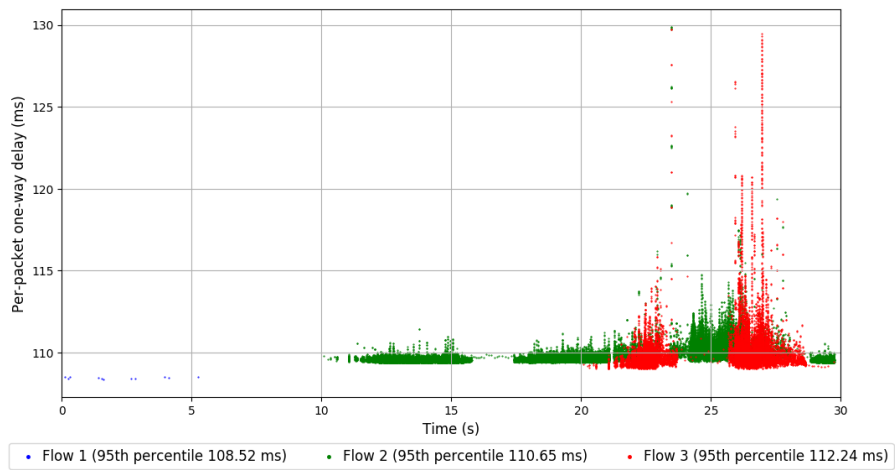
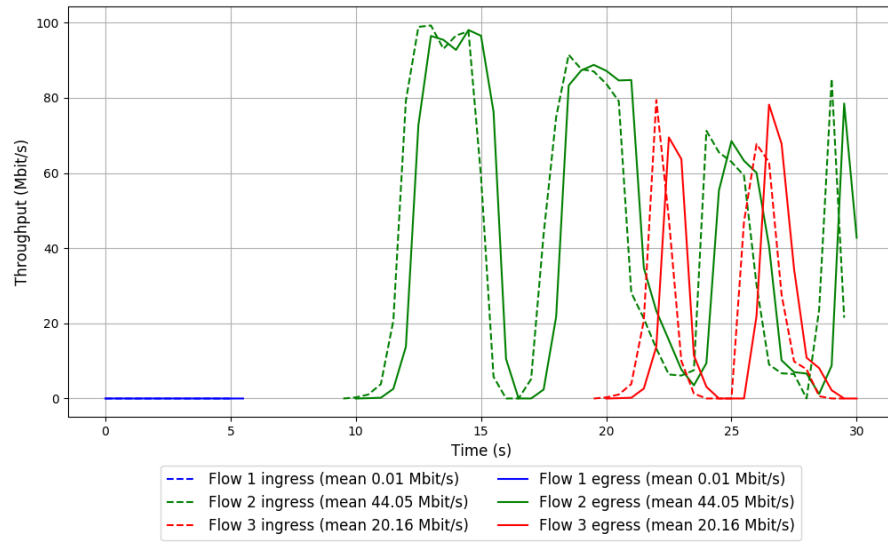


Run 1: Statistics of QUIC Cubic

Start at: 2018-12-11 13:50:03
End at: 2018-12-11 13:50:33
Local clock offset: -0.09 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 110.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 108.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 110.653 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 112.241 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

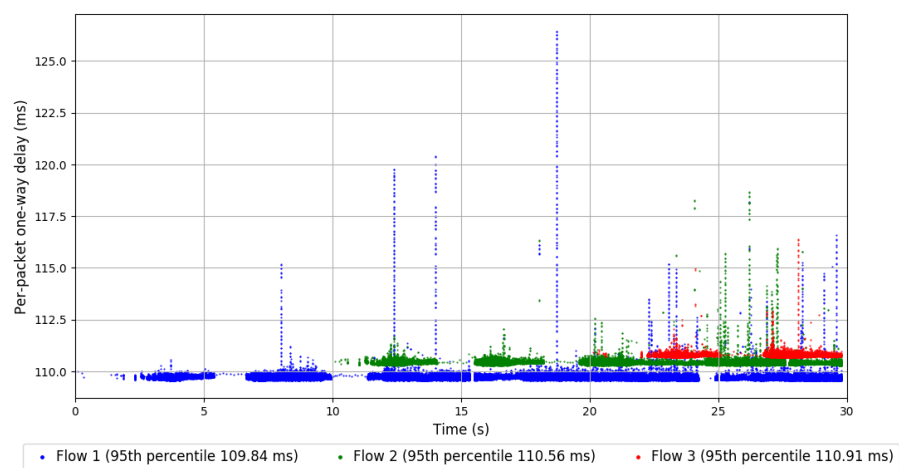
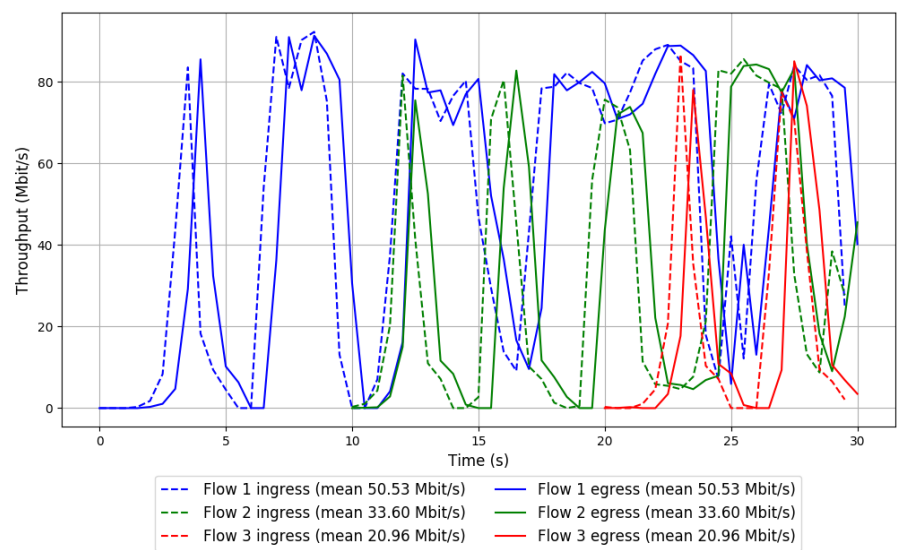


Run 2: Statistics of QUIC Cubic

Start at: 2018-12-11 14:24:29
End at: 2018-12-11 14:24:59
Local clock offset: -1.414 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.61 Mbit/s
95th percentile per-packet one-way delay: 110.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 109.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 110.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 110.913 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

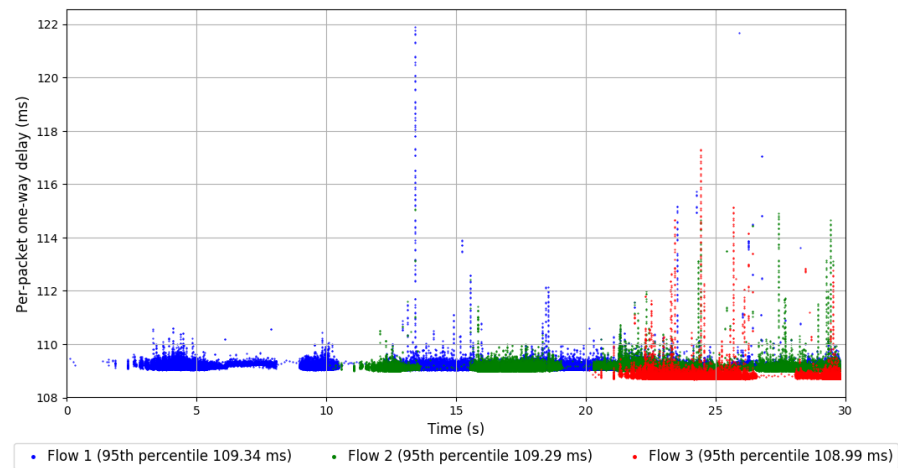
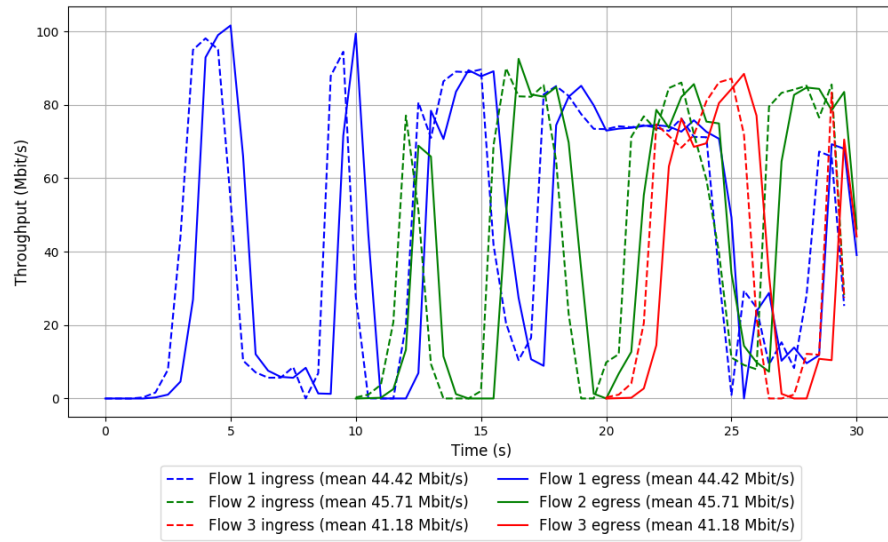


Run 3: Statistics of QUIC Cubic

Start at: 2018-12-11 14:59:04
End at: 2018-12-11 14:59:34
Local clock offset: -0.282 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: 109.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 109.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 109.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 108.987 ms
Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

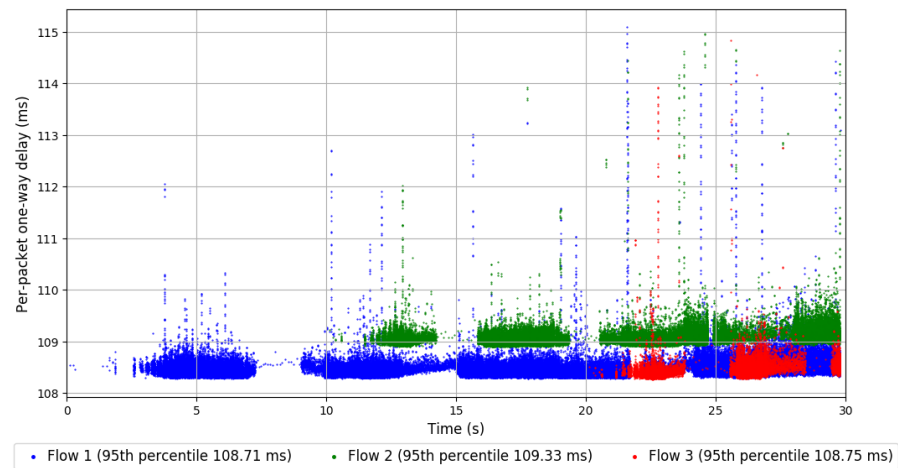
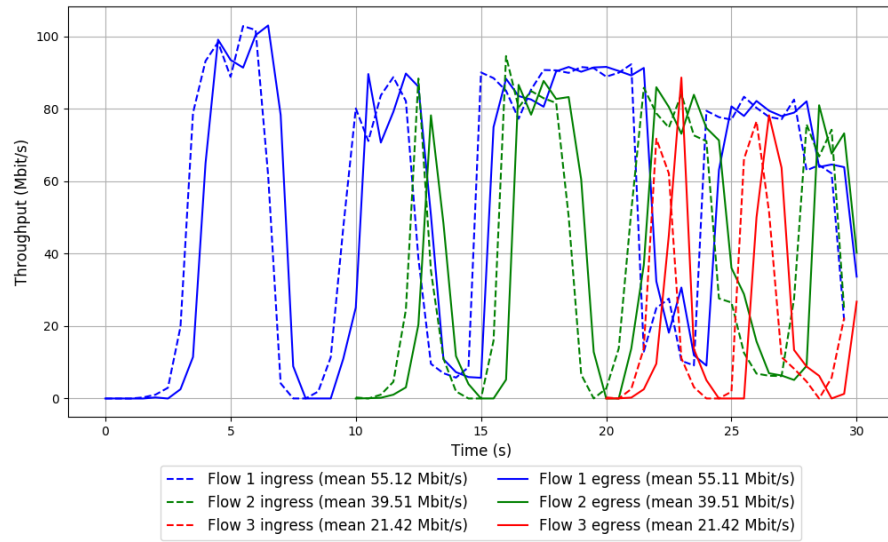


Run 4: Statistics of QUIC Cubic

Start at: 2018-12-11 15:33:40
End at: 2018-12-11 15:34:10
Local clock offset: -0.176 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 109.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 108.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 109.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 108.754 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

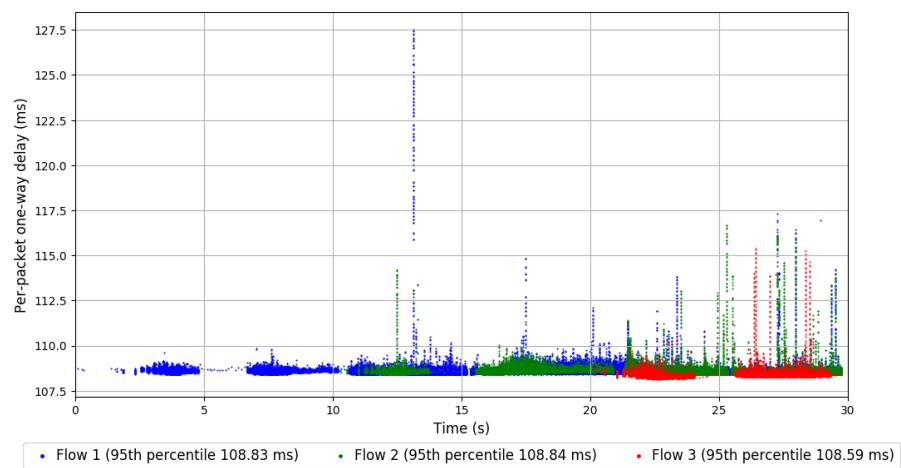
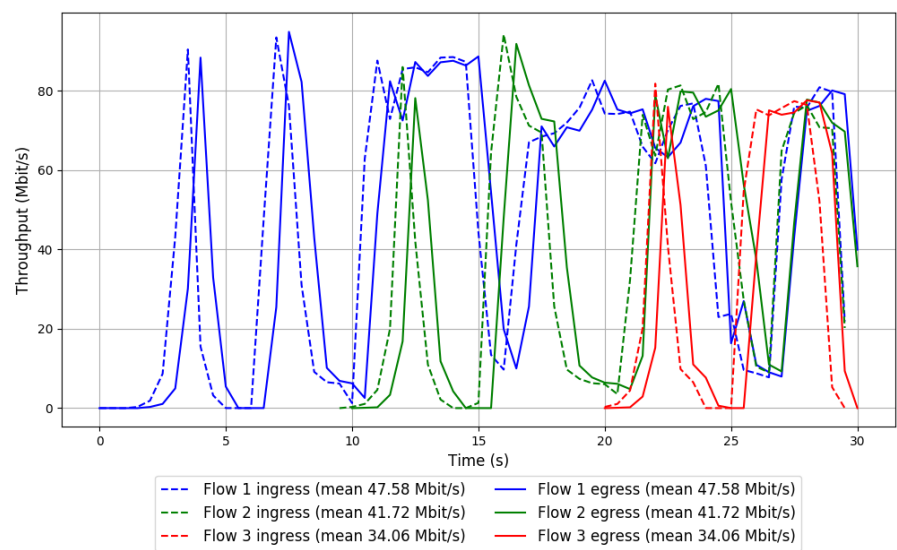


Run 5: Statistics of QUIC Cubic

Start at: 2018-12-11 16:07:58
End at: 2018-12-11 16:08:28
Local clock offset: 0.872 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 108.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 108.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 108.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 108.593 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

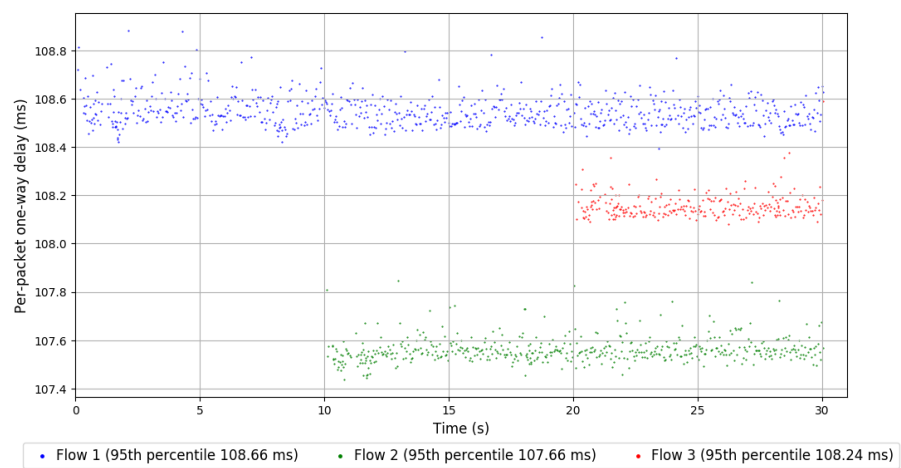
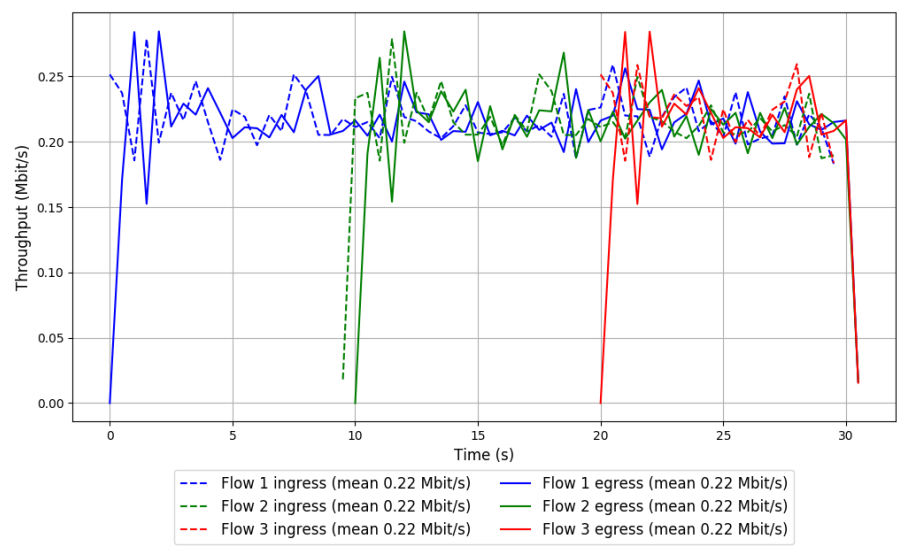


Run 1: Statistics of SCReAM

Start at: 2018-12-11 13:41:02
End at: 2018-12-11 13:41:32
Local clock offset: 0.89 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 108.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.239 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

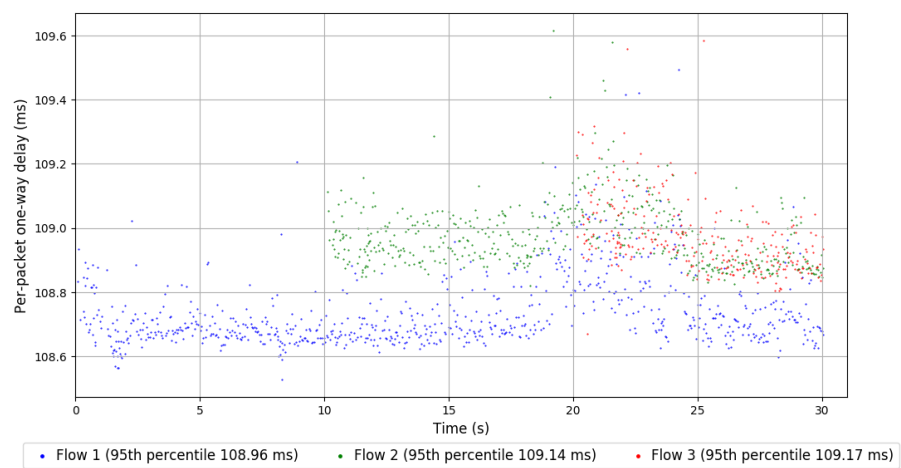
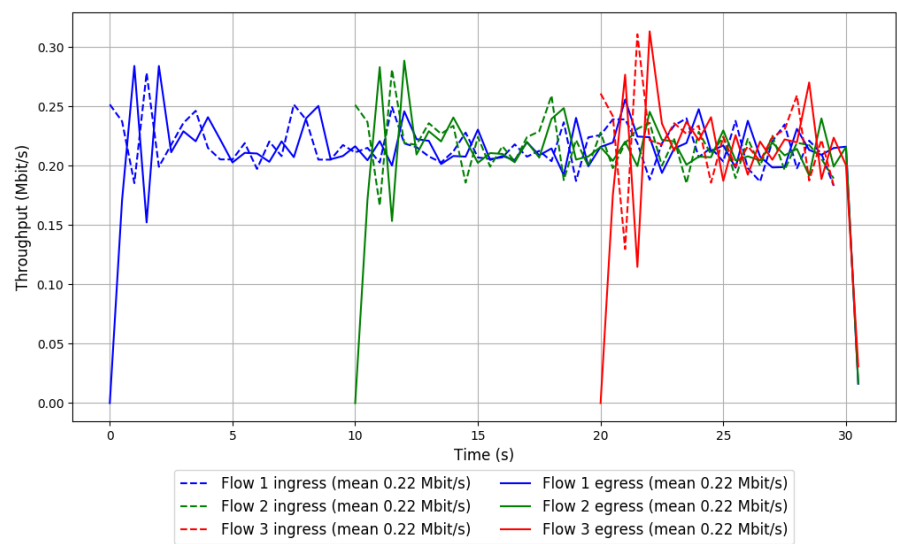


Run 2: Statistics of SReAM

Start at: 2018-12-11 14:15:39
End at: 2018-12-11 14:16:09
Local clock offset: 0.612 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.175 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

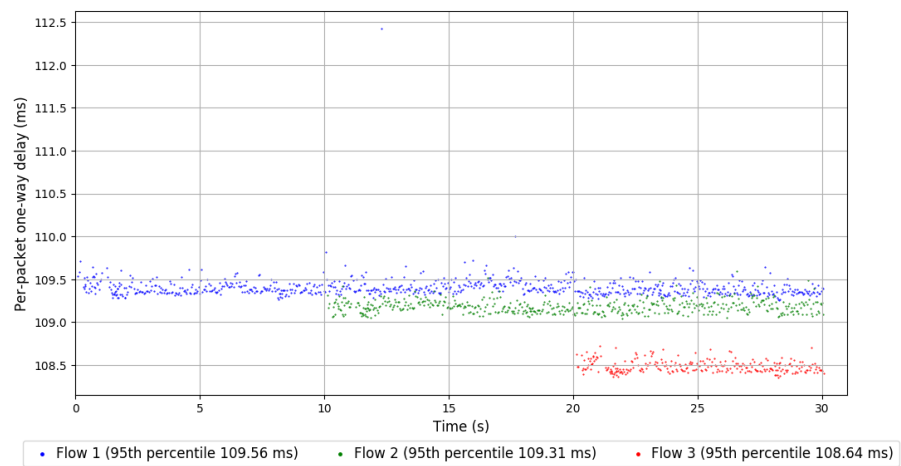
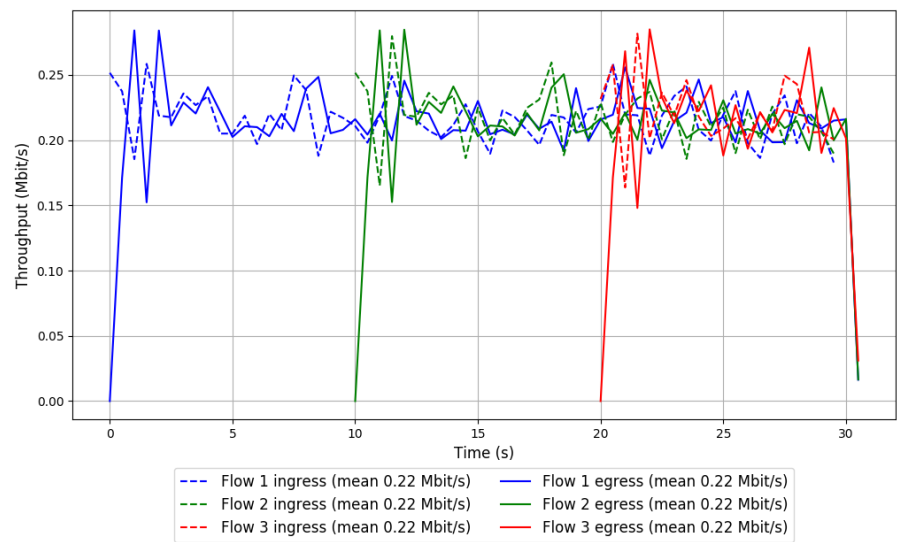


Run 3: Statistics of SReAM

Start at: 2018-12-11 14:50:22
End at: 2018-12-11 14:50:52
Local clock offset: -0.088 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.635 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

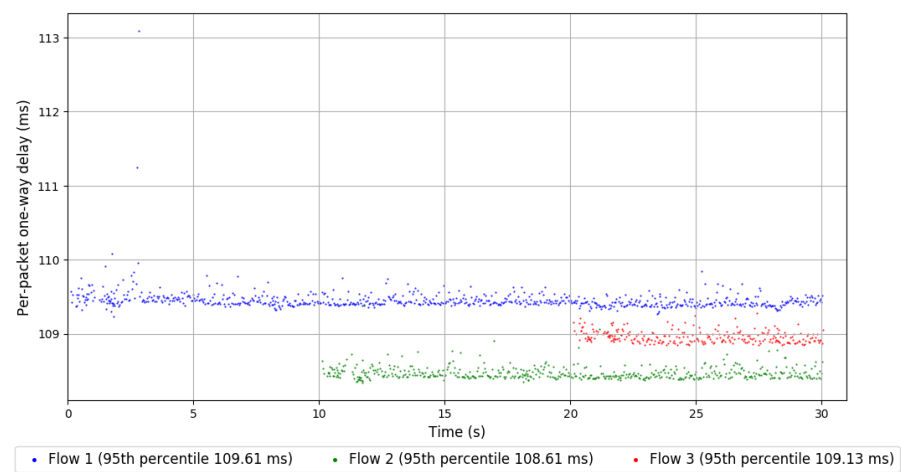
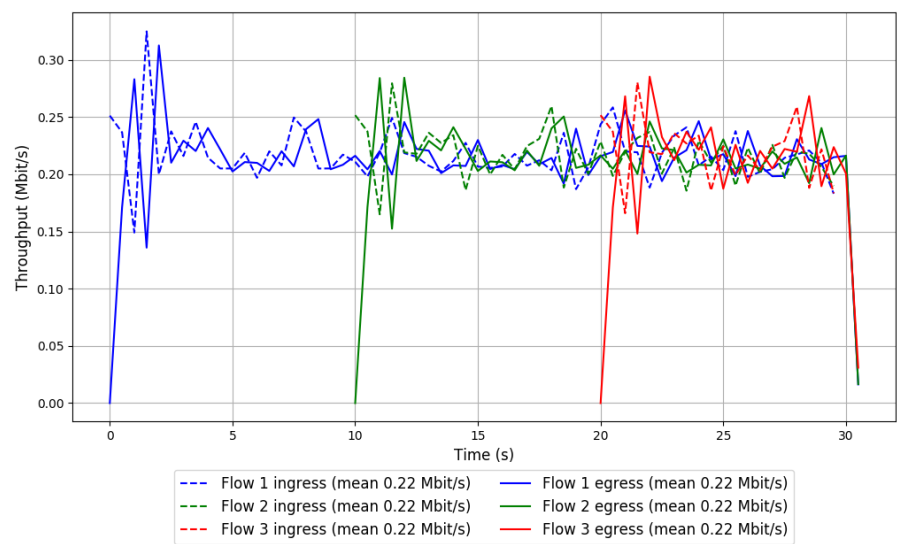


Run 4: Statistics of SReAM

Start at: 2018-12-11 15:25:00
End at: 2018-12-11 15:25:30
Local clock offset: 0.07 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.615 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.129 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

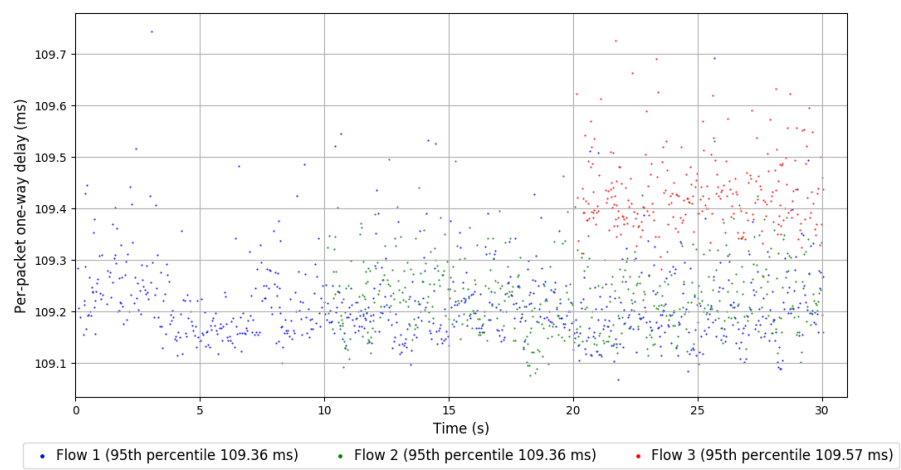
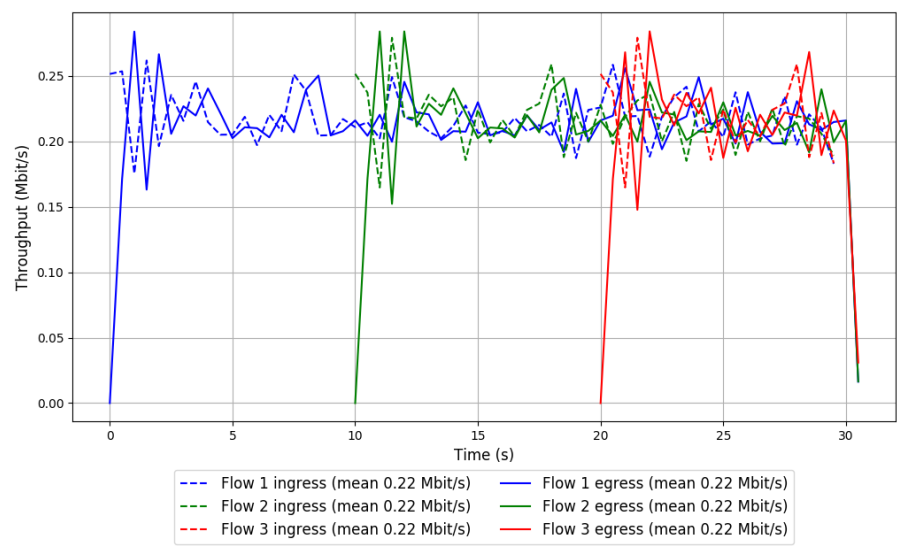


Run 5: Statistics of SReAM

Start at: 2018-12-11 15:59:08
End at: 2018-12-11 15:59:38
Local clock offset: 0.061 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.573 ms
Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

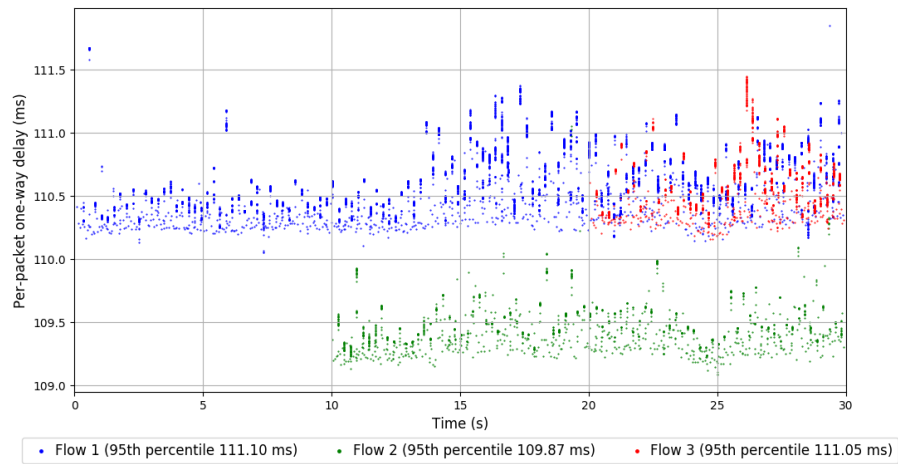
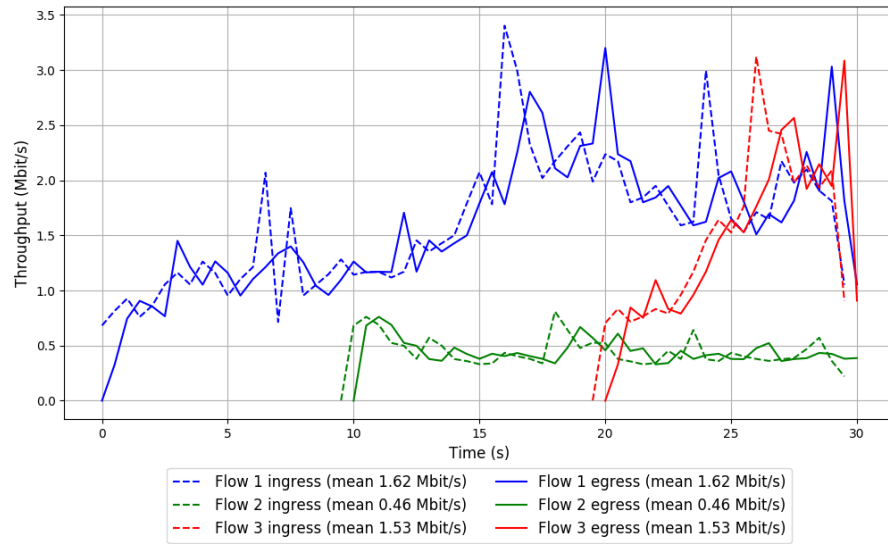


Run 1: Statistics of Sprout

Start at: 2018-12-11 13:39:45
End at: 2018-12-11 13:40:15
Local clock offset: -0.952 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 111.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 111.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 109.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 111.045 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

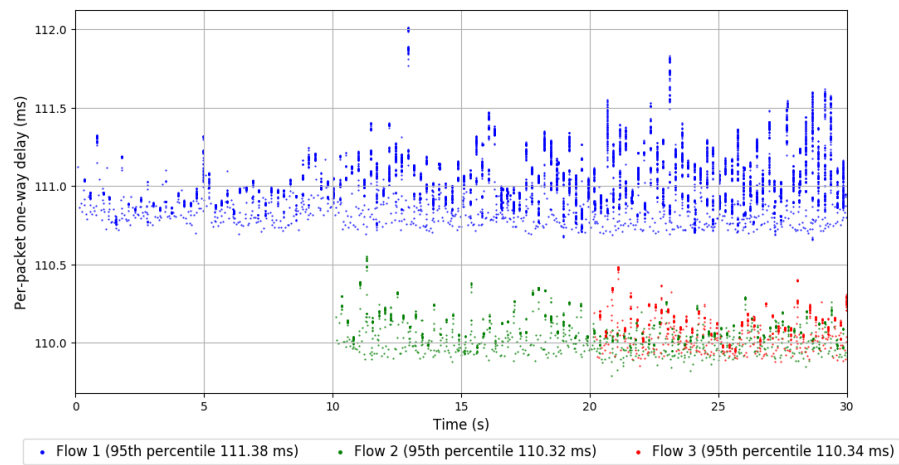
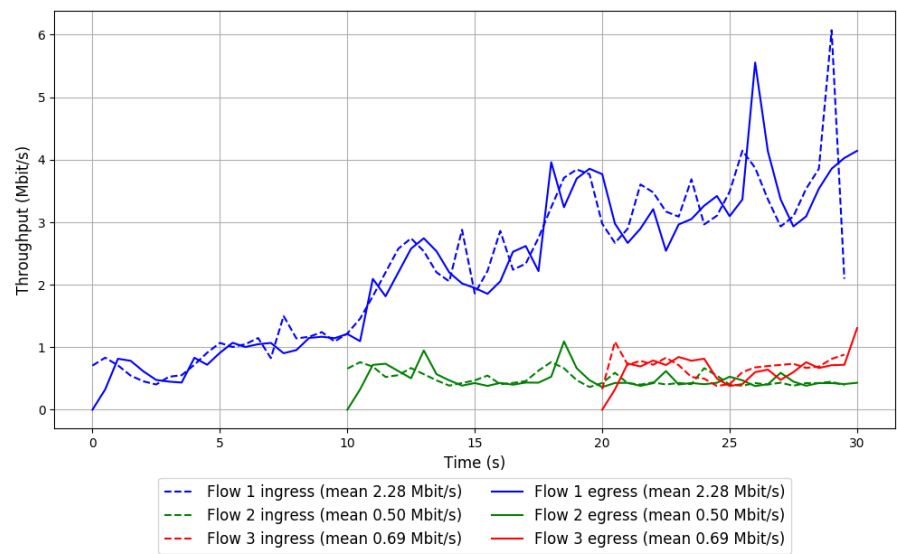


Run 2: Statistics of Sprout

Start at: 2018-12-11 14:14:22
End at: 2018-12-11 14:14:52
Local clock offset: -1.544 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 111.378 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 110.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 110.340 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

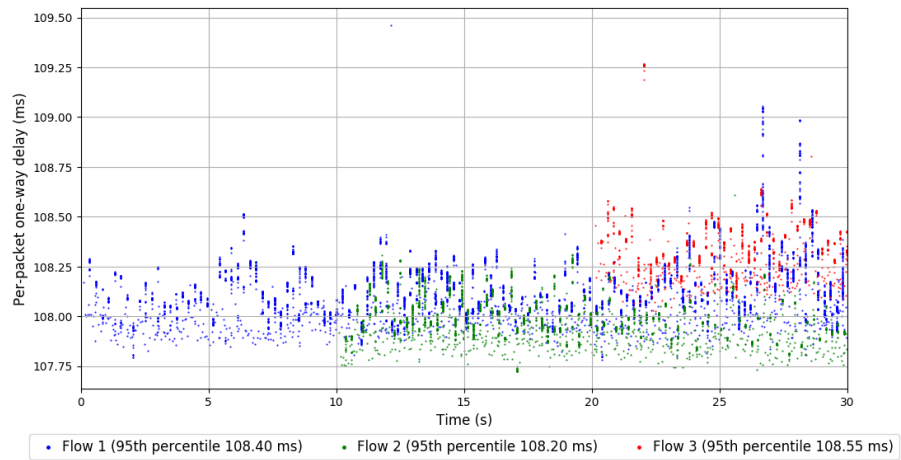
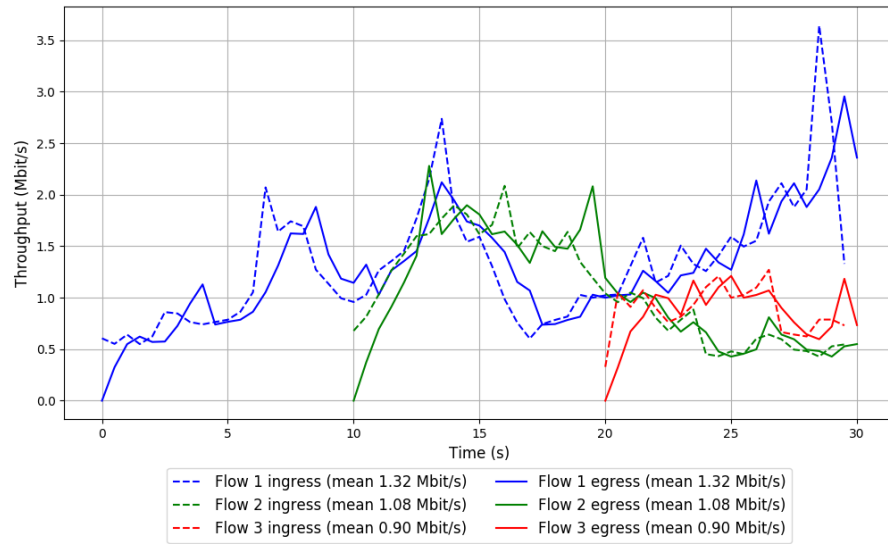


Run 3: Statistics of Sprout

Start at: 2018-12-11 14:49:05
End at: 2018-12-11 14:49:35
Local clock offset: 1.298 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-12-11 18:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 108.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 108.396 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 108.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 108.546 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

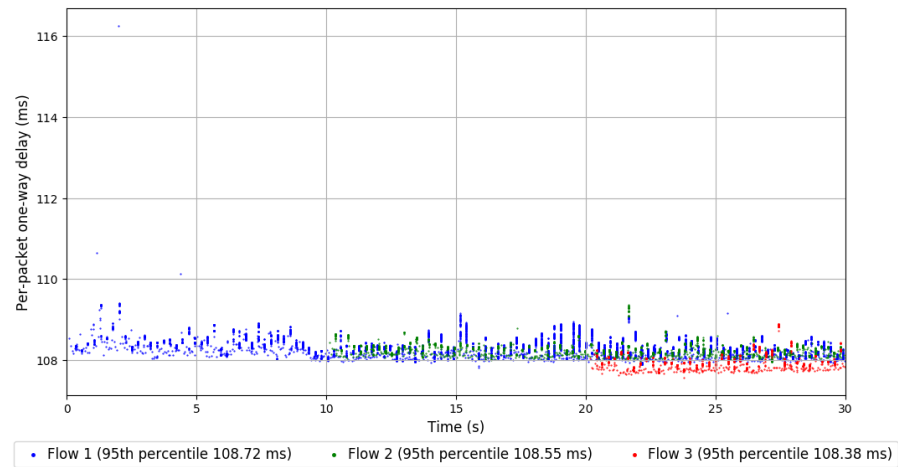
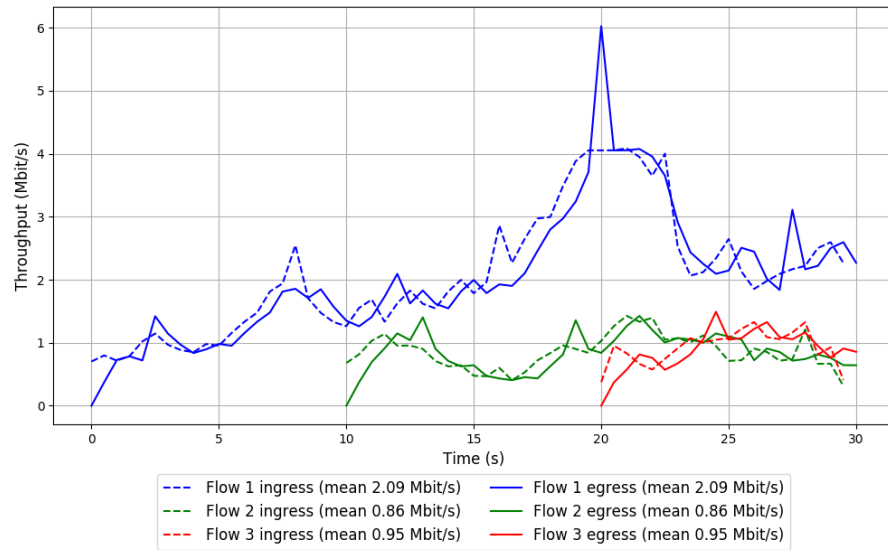


Run 4: Statistics of Sprout

Start at: 2018-12-11 15:23:43
End at: 2018-12-11 15:24:13
Local clock offset: 1.216 ms
Remote clock offset: -0.107 ms

```
# Below is generated by plot.py at 2018-12-11 18:16:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 108.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 108.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 108.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 108.375 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

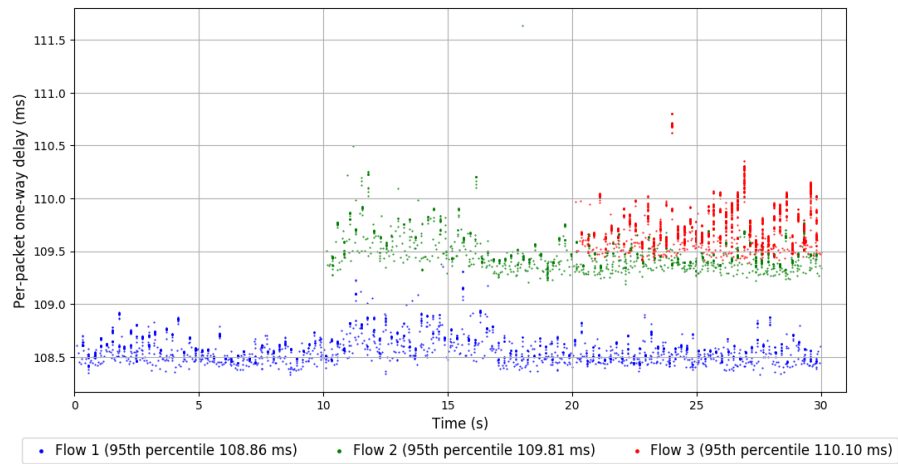
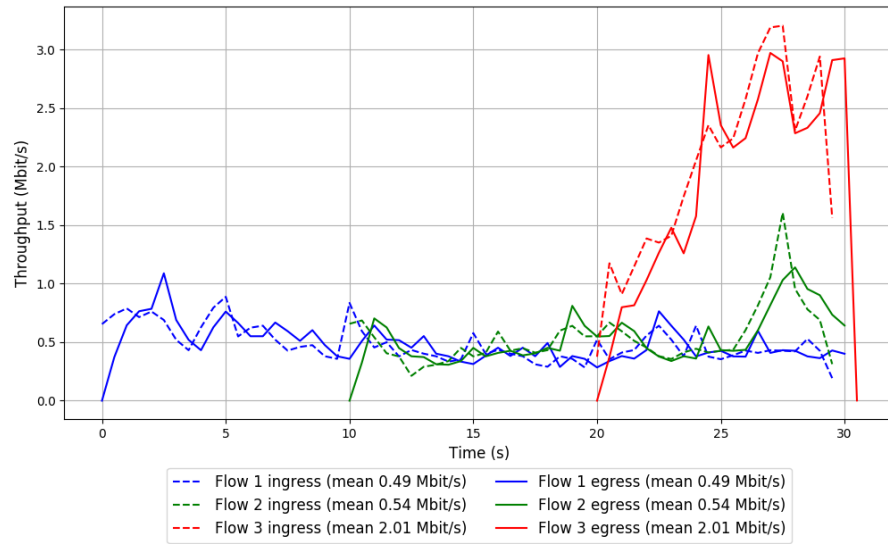


Run 5: Statistics of Sprout

Start at: 2018-12-11 15:57:51
End at: 2018-12-11 15:58:21
Local clock offset: -0.011 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-12-11 18:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 110.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 108.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 109.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 110.102 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

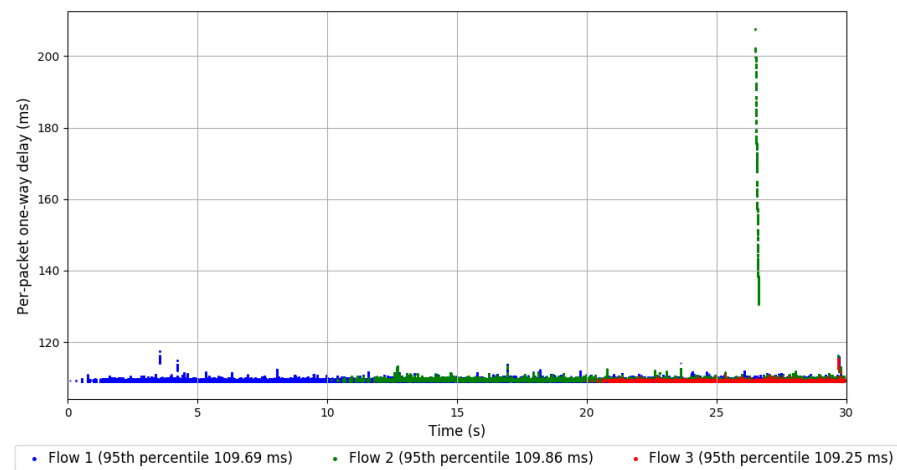
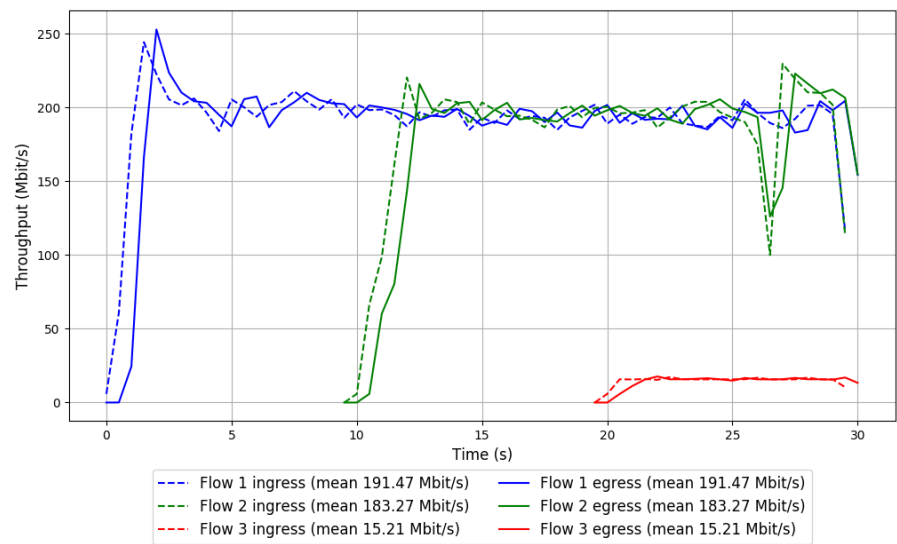


Run 1: Statistics of TaoVA-100x

Start at: 2018-12-11 13:33:26
End at: 2018-12-11 13:33:56
Local clock offset: -0.182 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-12-11 18:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.22 Mbit/s
95th percentile per-packet one-way delay: 109.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.47 Mbit/s
95th percentile per-packet one-way delay: 109.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.27 Mbit/s
95th percentile per-packet one-way delay: 109.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 109.251 ms
Loss rate: 0.00%

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

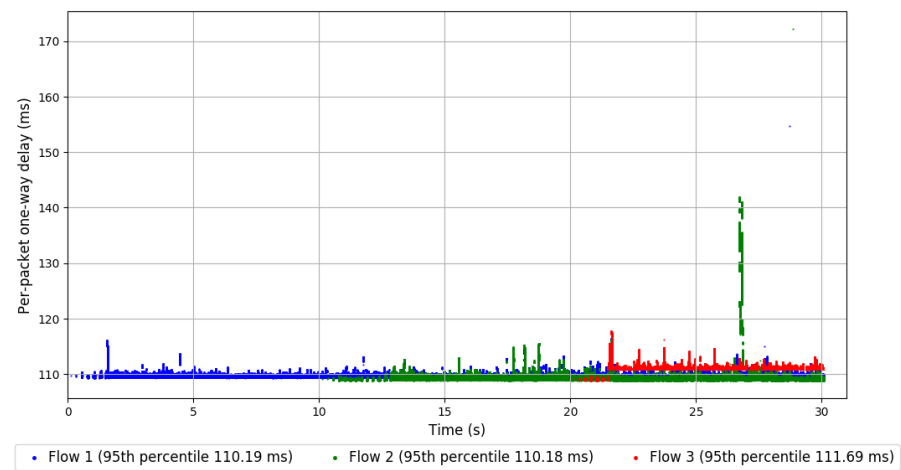
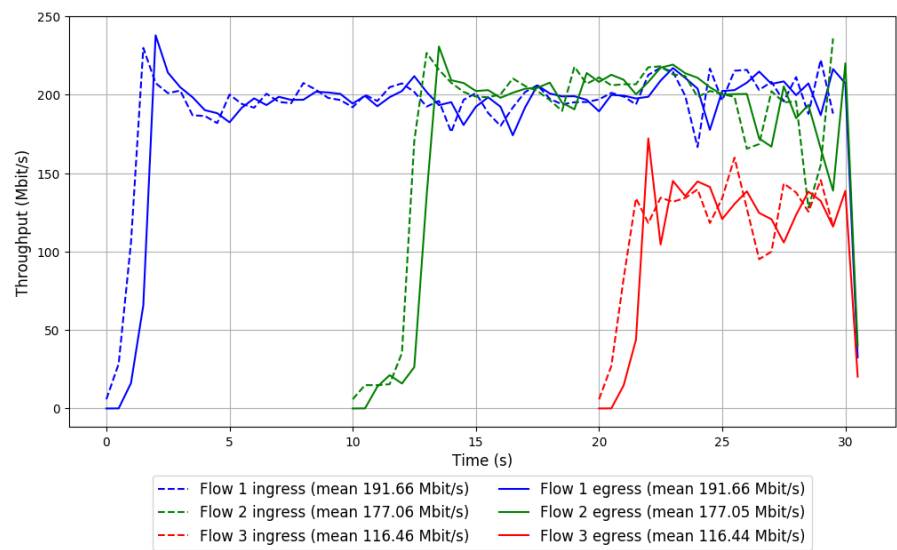


Run 2: Statistics of TaoVA-100x

Start at: 2018-12-11 14:08:11
End at: 2018-12-11 14:08:41
Local clock offset: 0.032 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-12-11 18:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.14 Mbit/s
95th percentile per-packet one-way delay: 111.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.66 Mbit/s
95th percentile per-packet one-way delay: 110.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.05 Mbit/s
95th percentile per-packet one-way delay: 110.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.44 Mbit/s
95th percentile per-packet one-way delay: 111.691 ms
Loss rate: 0.00%

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

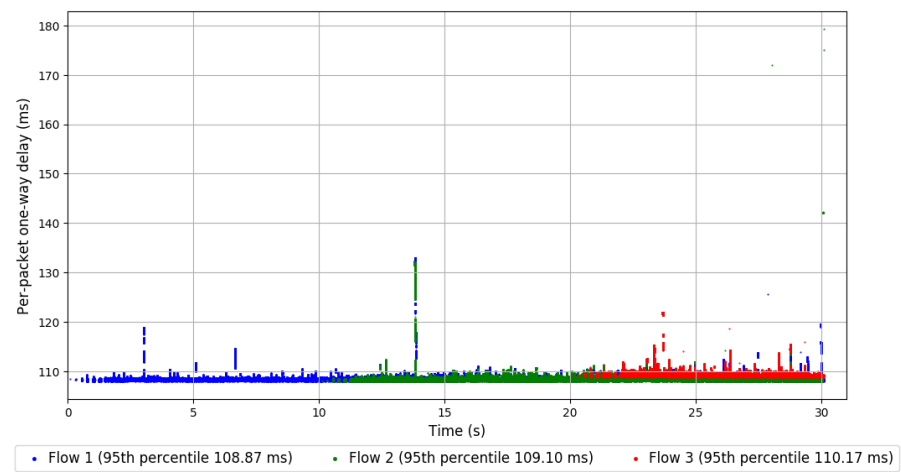
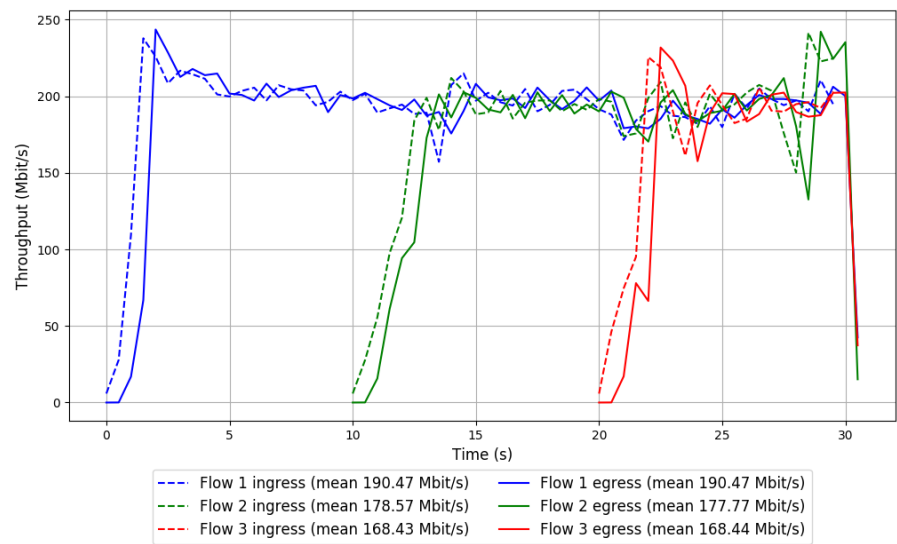


Run 3: Statistics of TaoVA-100x

Start at: 2018-12-11 14:42:54
End at: 2018-12-11 14:43:24
Local clock offset: 0.128 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-12-11 18:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.73 Mbit/s
95th percentile per-packet one-way delay: 109.491 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 190.47 Mbit/s
95th percentile per-packet one-way delay: 108.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.77 Mbit/s
95th percentile per-packet one-way delay: 109.104 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 168.44 Mbit/s
95th percentile per-packet one-way delay: 110.168 ms
Loss rate: 0.00%

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

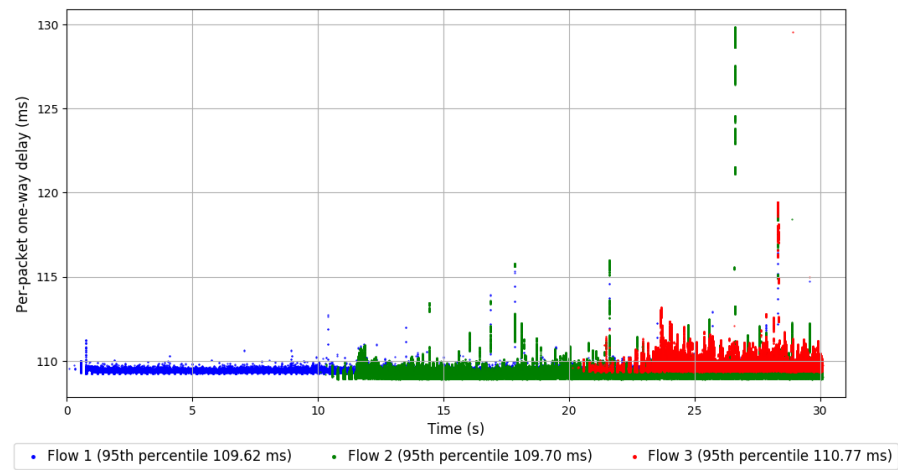
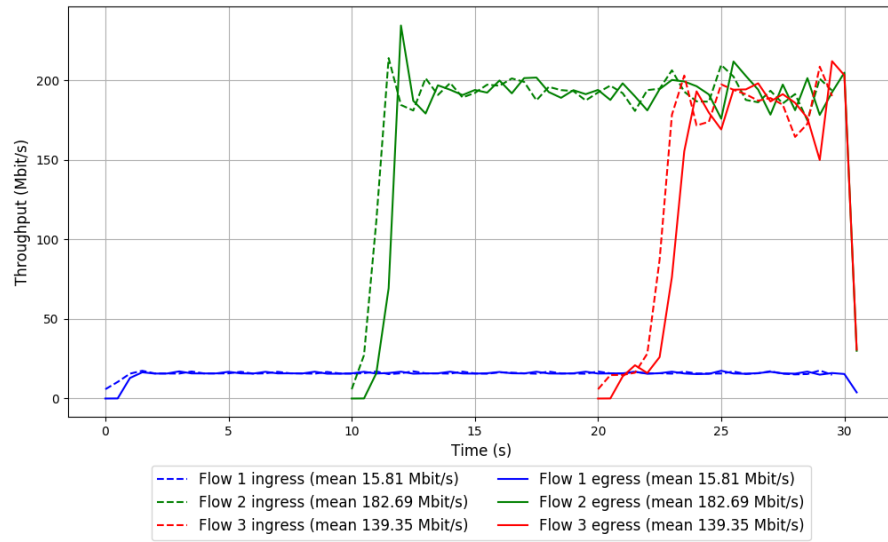


Run 4: Statistics of TaoVA-100x

Start at: 2018-12-11 15:17:50
End at: 2018-12-11 15:18:20
Local clock offset: -0.138 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-12-11 18:16:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.79 Mbit/s
95th percentile per-packet one-way delay: 110.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 109.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.69 Mbit/s
95th percentile per-packet one-way delay: 109.701 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 139.35 Mbit/s
95th percentile per-packet one-way delay: 110.767 ms
Loss rate: 0.00%

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

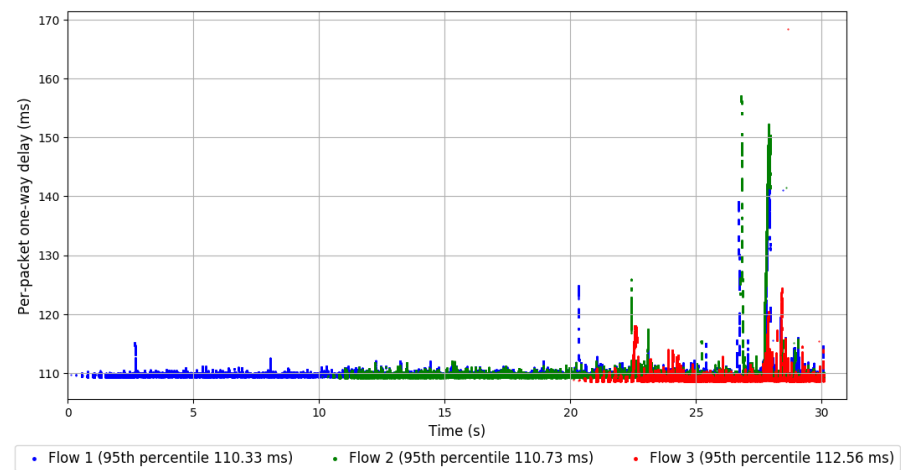
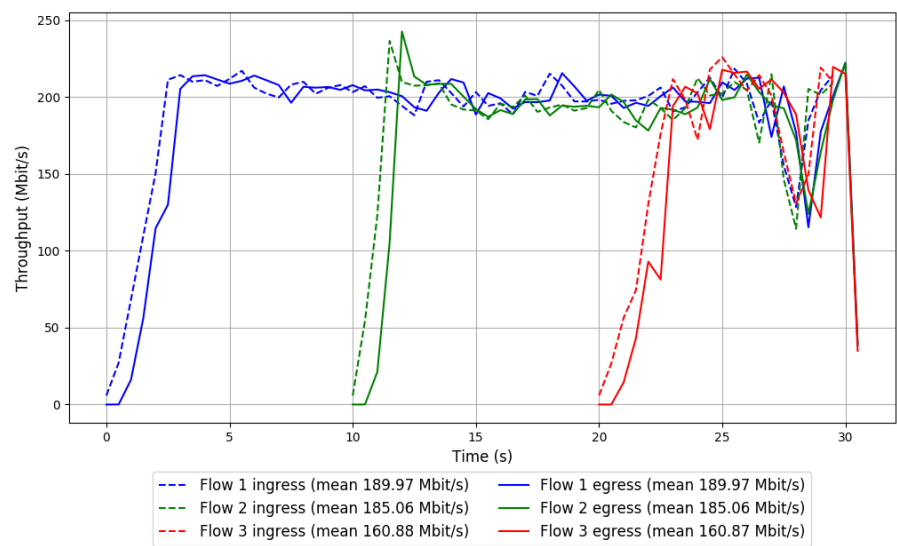


Run 5: Statistics of TaoVA-100x

Start at: 2018-12-11 15:51:34
End at: 2018-12-11 15:52:04
Local clock offset: -0.276 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-12-11 18:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.65 Mbit/s
95th percentile per-packet one-way delay: 110.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 110.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 110.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 160.87 Mbit/s
95th percentile per-packet one-way delay: 112.559 ms
Loss rate: 0.00%

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

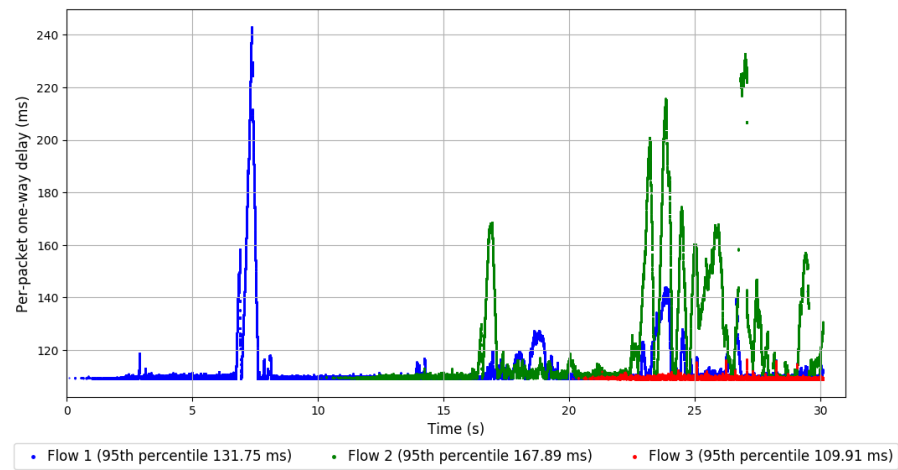
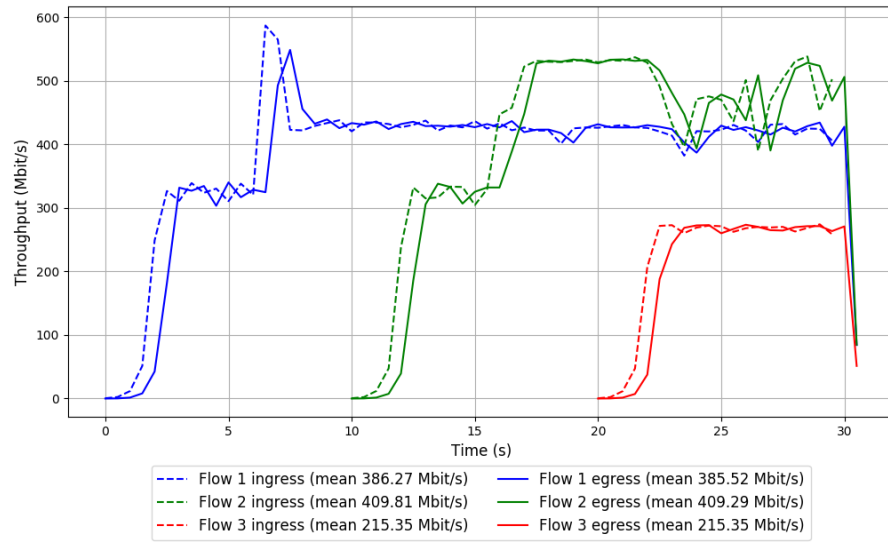


Run 1: Statistics of TCP Vegas

Start at: 2018-12-11 13:29:19
End at: 2018-12-11 13:29:49
Local clock offset: -0.073 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-12-11 18:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 729.72 Mbit/s
95th percentile per-packet one-way delay: 153.922 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 385.52 Mbit/s
95th percentile per-packet one-way delay: 131.749 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 409.29 Mbit/s
95th percentile per-packet one-way delay: 167.891 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 215.35 Mbit/s
95th percentile per-packet one-way delay: 109.906 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

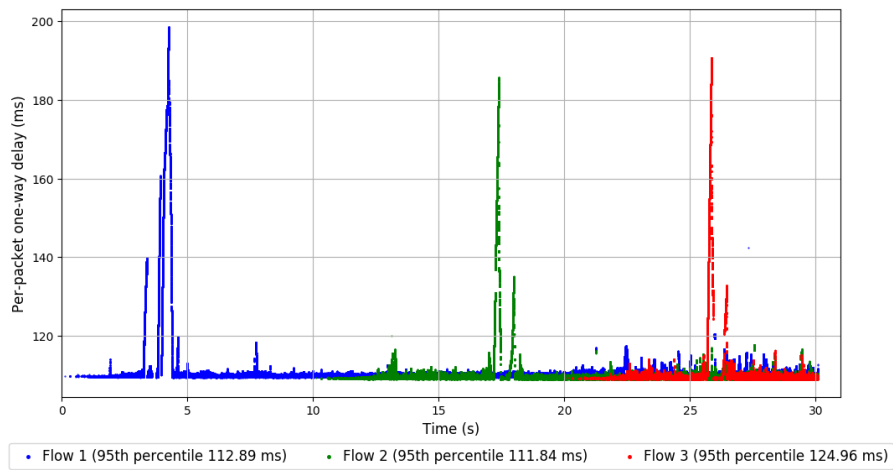
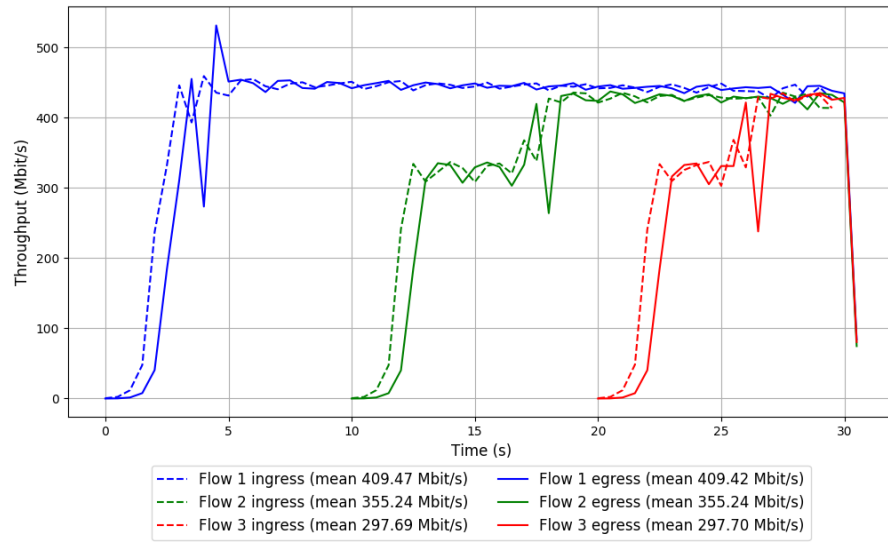


Run 2: Statistics of TCP Vegas

Start at: 2018-12-11 14:04:14
End at: 2018-12-11 14:04:44
Local clock offset: -0.022 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-12-11 18:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 745.04 Mbit/s
95th percentile per-packet one-way delay: 112.890 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 409.42 Mbit/s
95th percentile per-packet one-way delay: 112.894 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 355.24 Mbit/s
95th percentile per-packet one-way delay: 111.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 297.70 Mbit/s
95th percentile per-packet one-way delay: 124.960 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

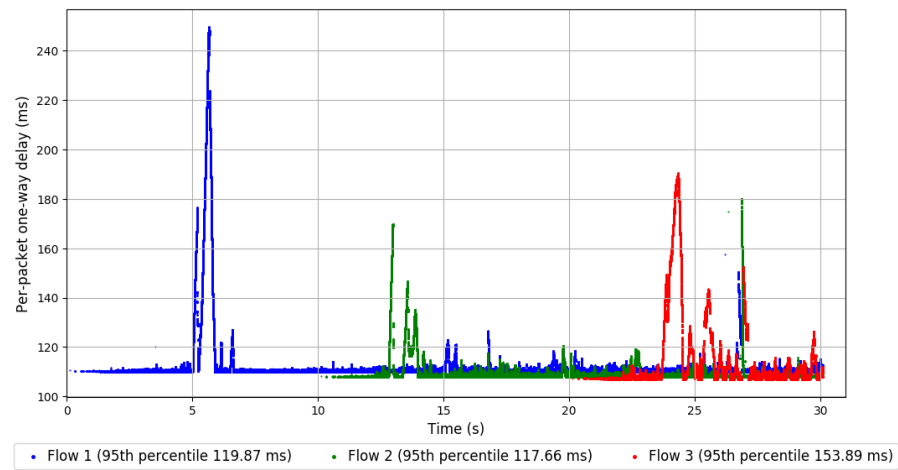
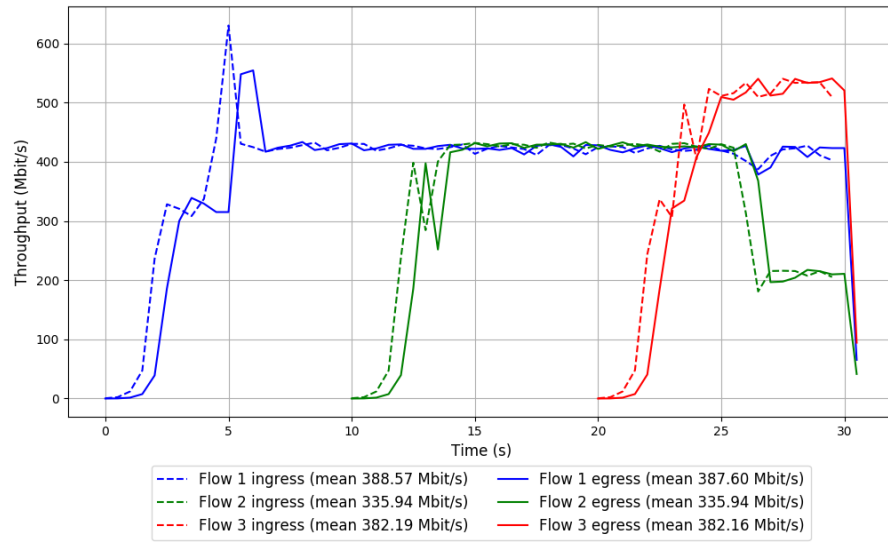


Run 3: Statistics of TCP Vegas

Start at: 2018-12-11 14:38:57
End at: 2018-12-11 14:39:27
Local clock offset: 1.093 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-12-11 18:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 738.32 Mbit/s
95th percentile per-packet one-way delay: 128.192 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 387.60 Mbit/s
95th percentile per-packet one-way delay: 119.873 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 335.94 Mbit/s
95th percentile per-packet one-way delay: 117.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 382.16 Mbit/s
95th percentile per-packet one-way delay: 153.890 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

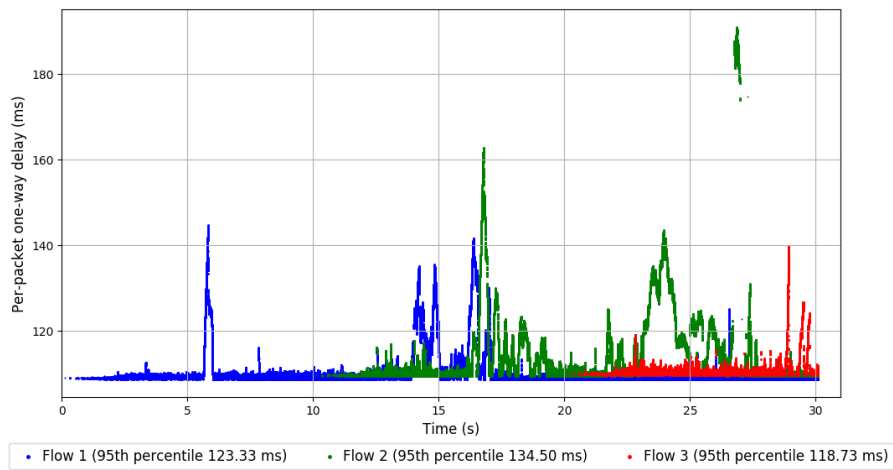
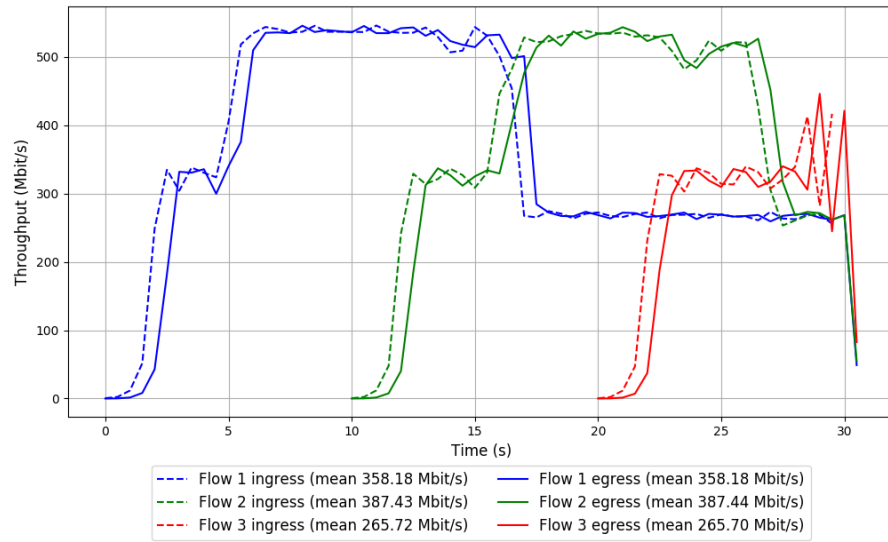


Run 4: Statistics of TCP Vegas

Start at: 2018-12-11 15:13:41
End at: 2018-12-11 15:14:11
Local clock offset: -0.717 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 704.57 Mbit/s
95th percentile per-packet one-way delay: 127.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 358.18 Mbit/s
95th percentile per-packet one-way delay: 123.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 134.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 265.70 Mbit/s
95th percentile per-packet one-way delay: 118.728 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

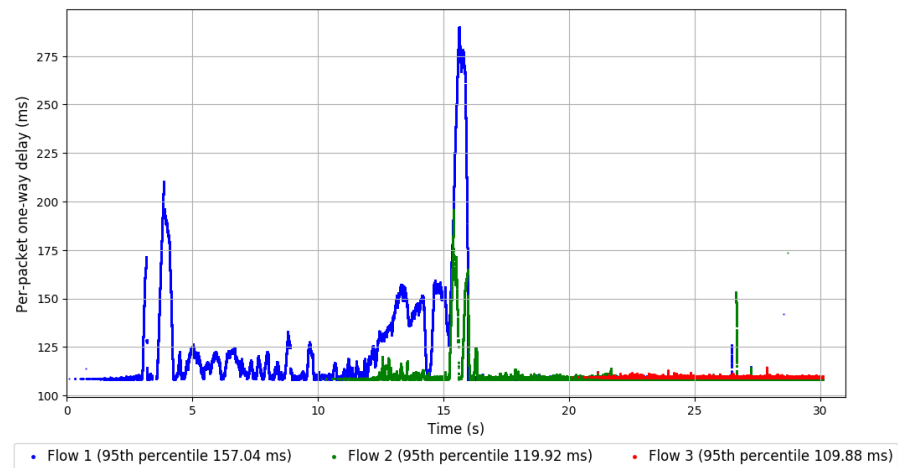
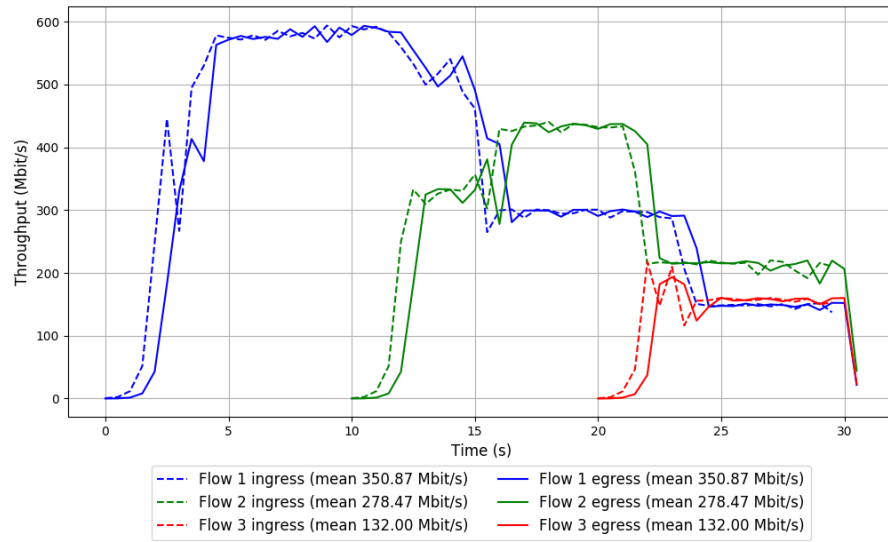


Run 5: Statistics of TCP Vegas

Start at: 2018-12-11 15:47:46
End at: 2018-12-11 15:48:16
Local clock offset: -0.235 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.20 Mbit/s
95th percentile per-packet one-way delay: 153.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 350.87 Mbit/s
95th percentile per-packet one-way delay: 157.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 278.47 Mbit/s
95th percentile per-packet one-way delay: 119.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.00 Mbit/s
95th percentile per-packet one-way delay: 109.883 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

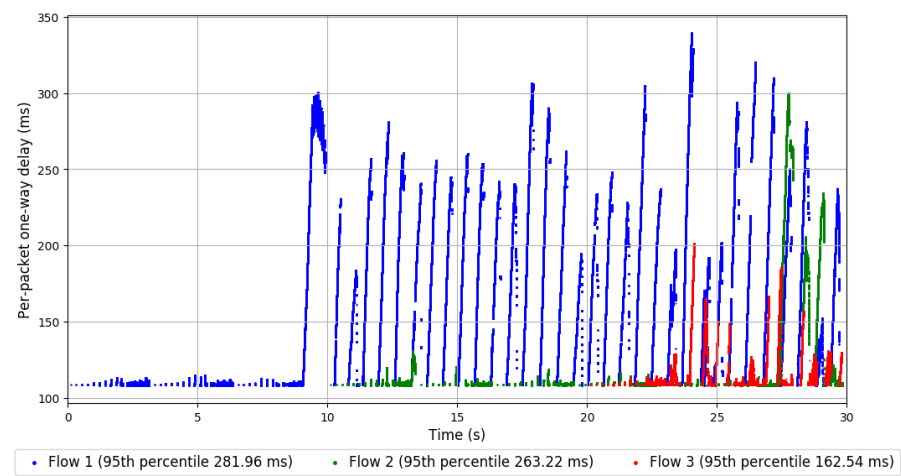
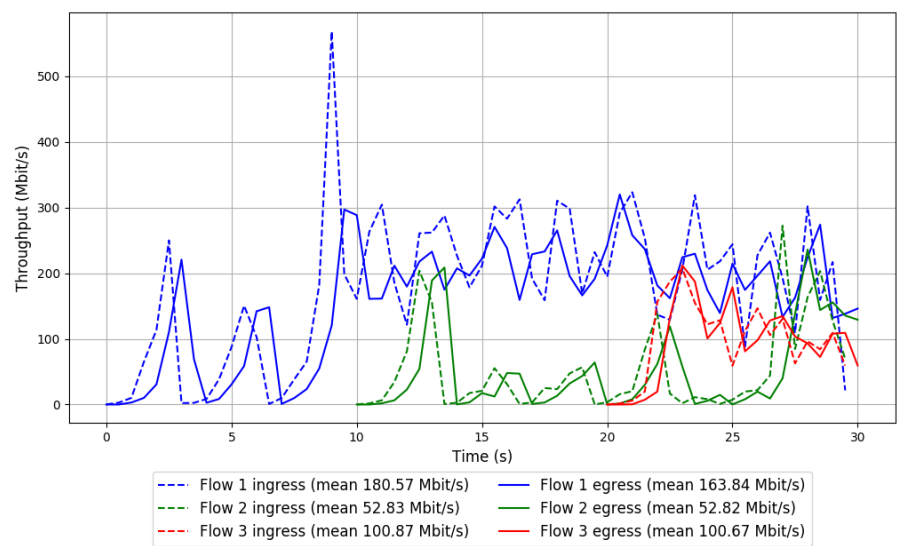


Run 1: Statistics of Verus

Start at: 2018-12-11 13:25:49
End at: 2018-12-11 13:26:19
Local clock offset: 0.498 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.37 Mbit/s
95th percentile per-packet one-way delay: 276.388 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 281.960 ms
Loss rate: 9.26%
-- Flow 2:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 263.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.67 Mbit/s
95th percentile per-packet one-way delay: 162.542 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

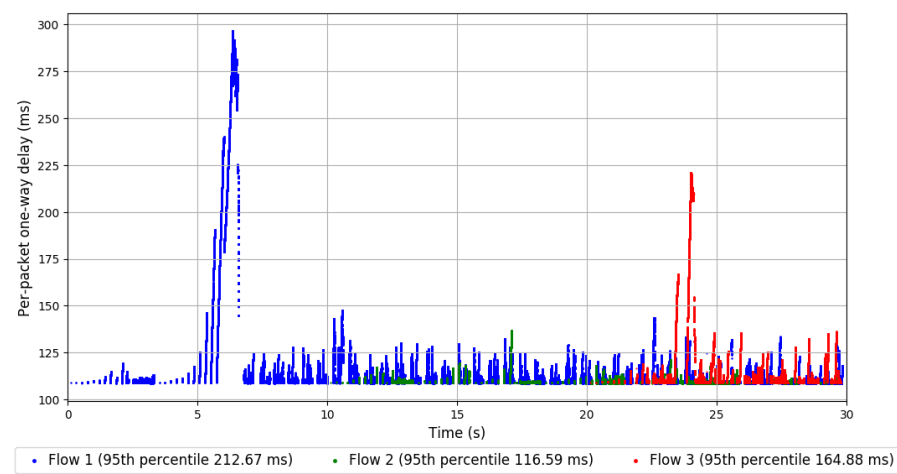
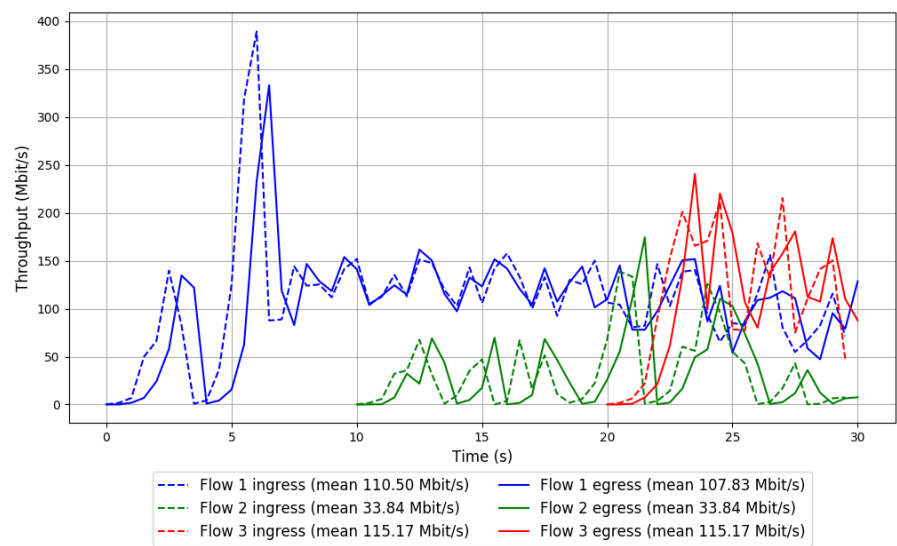


Run 2: Statistics of Verus

Start at: 2018-12-11 14:00:38
End at: 2018-12-11 14:01:08
Local clock offset: 0.298 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.36 Mbit/s
95th percentile per-packet one-way delay: 192.715 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 107.83 Mbit/s
95th percentile per-packet one-way delay: 212.670 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 116.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 164.885 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

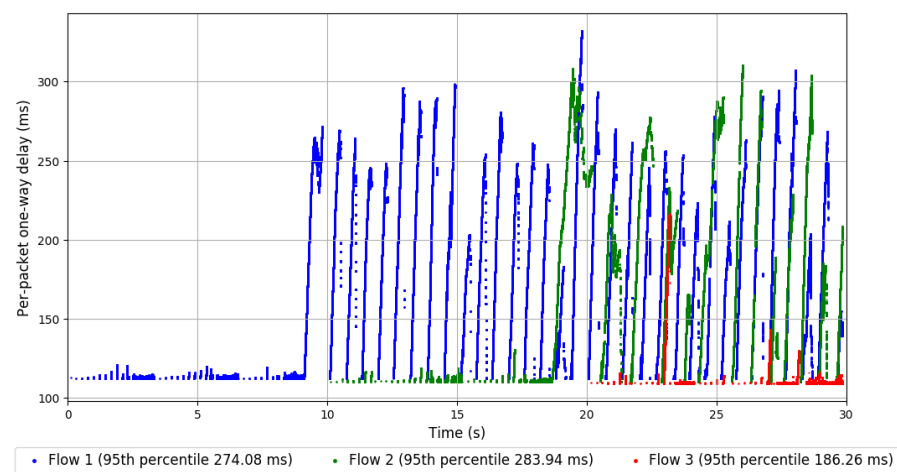
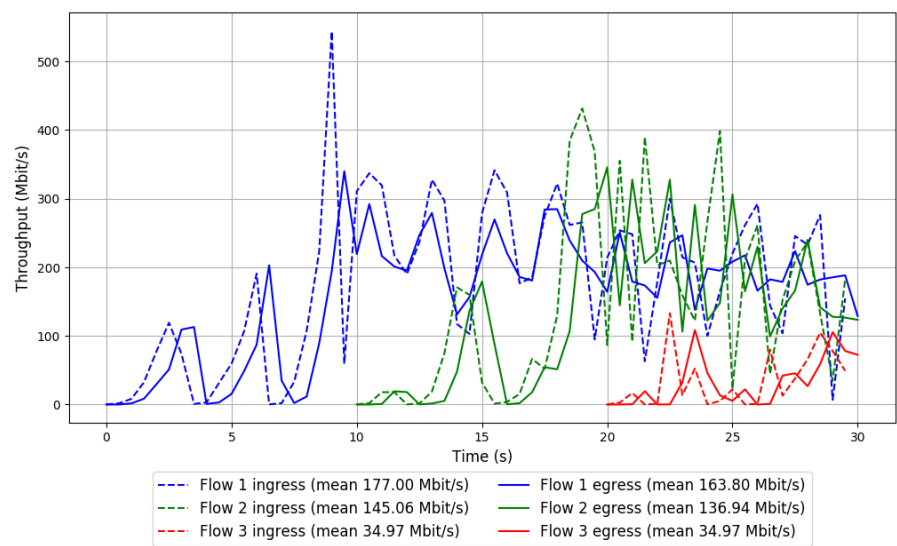


Run 3: Statistics of Verus

Start at: 2018-12-11 14:35:11
End at: 2018-12-11 14:35:41
Local clock offset: -1.464 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.04 Mbit/s
95th percentile per-packet one-way delay: 277.395 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 163.80 Mbit/s
95th percentile per-packet one-way delay: 274.077 ms
Loss rate: 7.46%
-- Flow 2:
Average throughput: 136.94 Mbit/s
95th percentile per-packet one-way delay: 283.938 ms
Loss rate: 5.60%
-- Flow 3:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 186.256 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

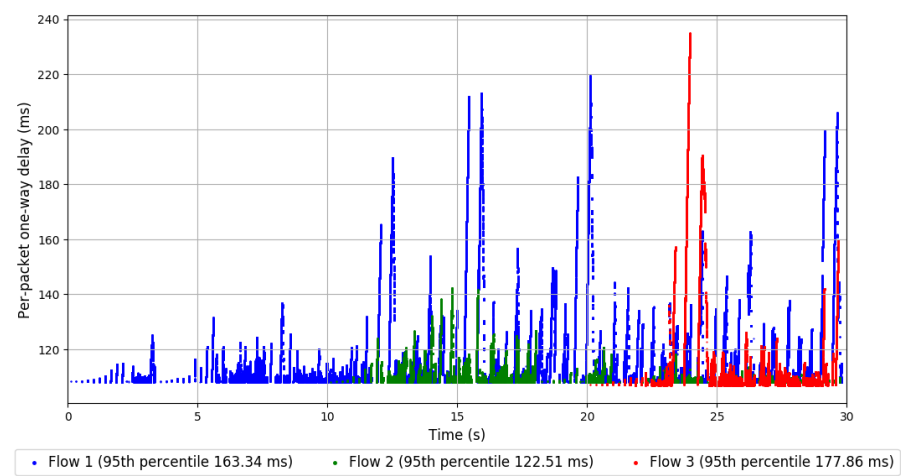
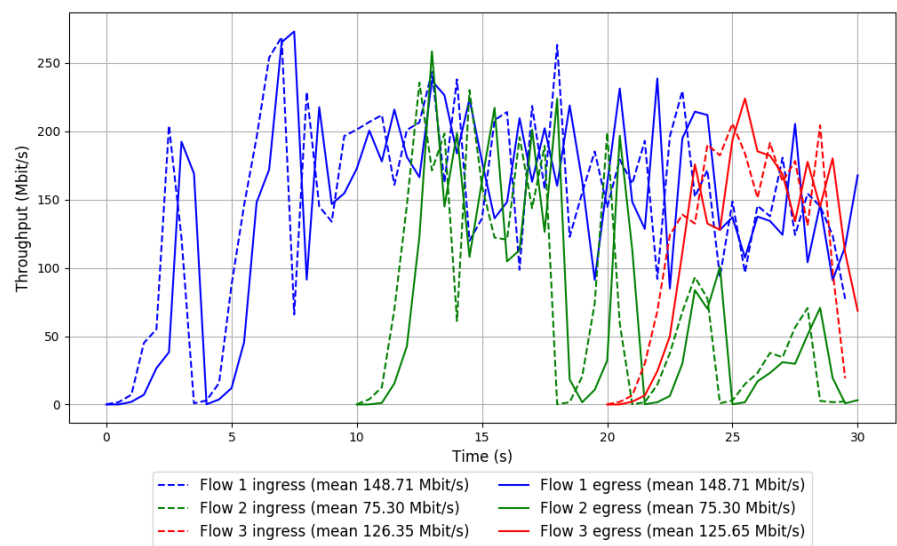


Run 4: Statistics of Verus

Start at: 2018-12-11 15:09:39
End at: 2018-12-11 15:10:09
Local clock offset: 1.333 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-12-11 18:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.86 Mbit/s
95th percentile per-packet one-way delay: 159.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.71 Mbit/s
95th percentile per-packet one-way delay: 163.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 122.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.65 Mbit/s
95th percentile per-packet one-way delay: 177.863 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

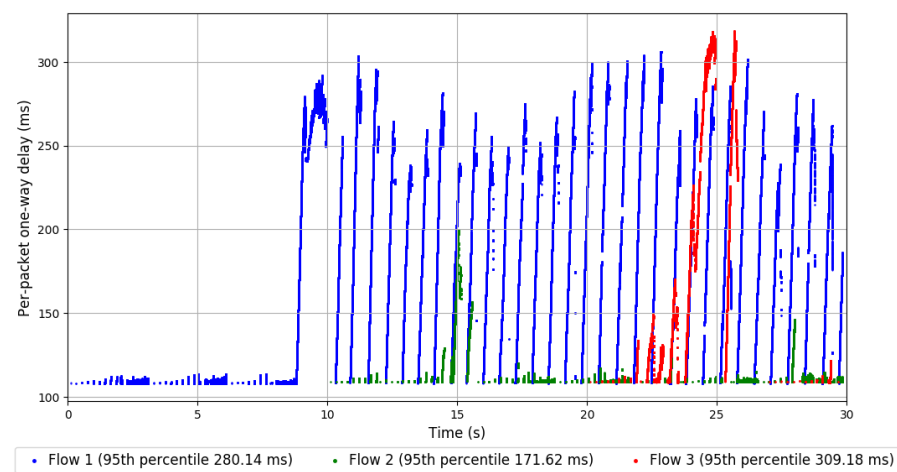
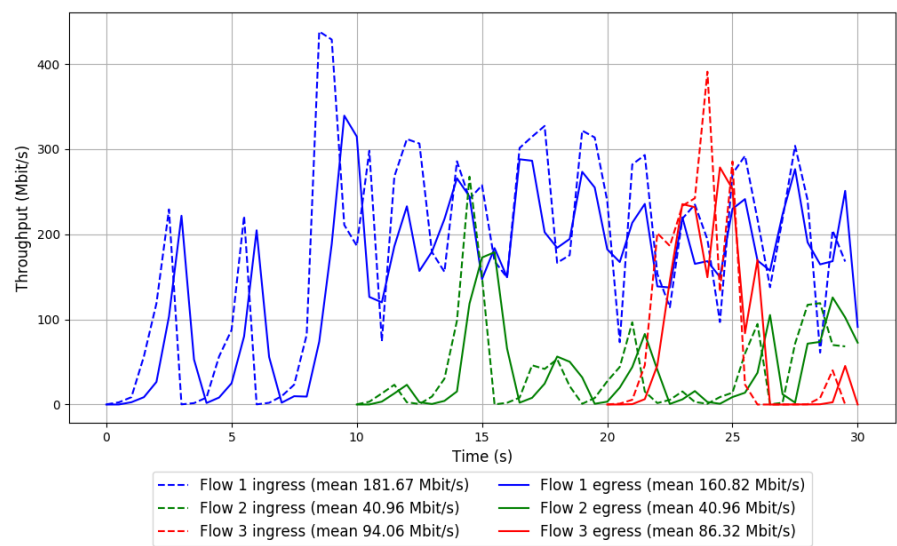


Run 5: Statistics of Verus

Start at: 2018-12-11 15:44:08
End at: 2018-12-11 15:44:38
Local clock offset: 0.115 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-12-11 18:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.72 Mbit/s
95th percentile per-packet one-way delay: 284.352 ms
Loss rate: 9.75%
-- Flow 1:
Average throughput: 160.82 Mbit/s
95th percentile per-packet one-way delay: 280.138 ms
Loss rate: 11.46%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 171.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 309.177 ms
Loss rate: 8.24%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-12-11 13:45:44

End at: 2018-12-11 13:46:14

Local clock offset: 0.518 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-12-11 18:32:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.22 Mbit/s

95th percentile per-packet one-way delay: 128.050 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 331.27 Mbit/s

95th percentile per-packet one-way delay: 145.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 203.36 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.00%

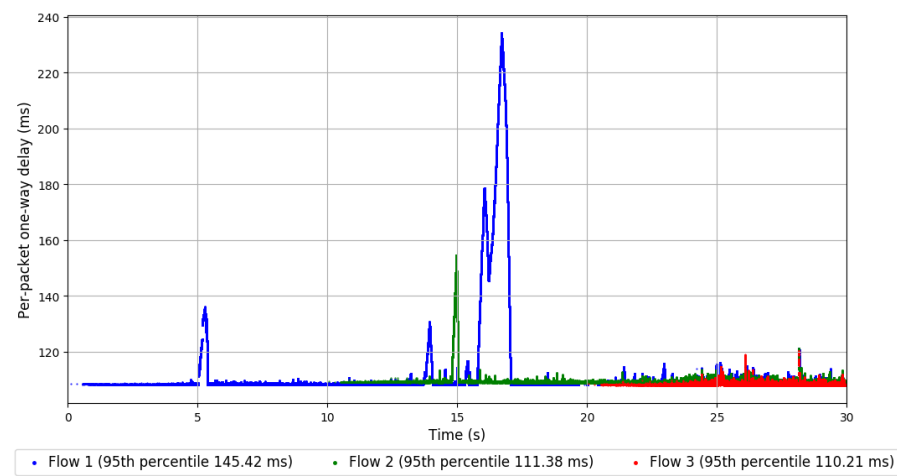
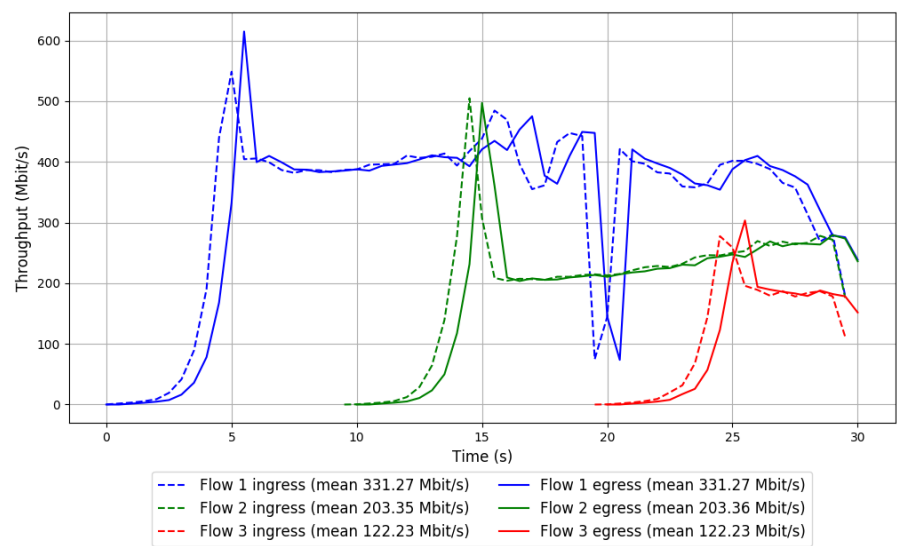
-- Flow 3:

Average throughput: 122.23 Mbit/s

95th percentile per-packet one-way delay: 110.211 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-12-11 14:20:21

End at: 2018-12-11 14:20:51

Local clock offset: -0.131 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-12-11 18:33:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.39 Mbit/s

95th percentile per-packet one-way delay: 127.645 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 335.76 Mbit/s

95th percentile per-packet one-way delay: 121.720 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 294.71 Mbit/s

95th percentile per-packet one-way delay: 188.393 ms

Loss rate: 0.17%

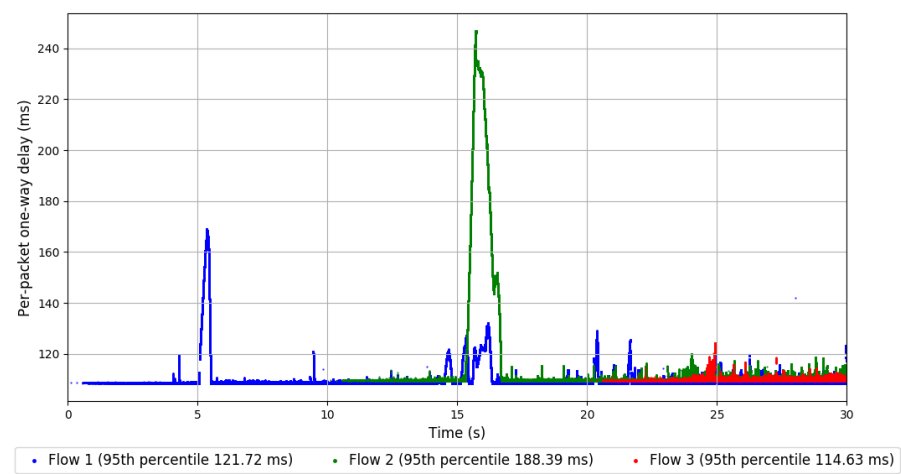
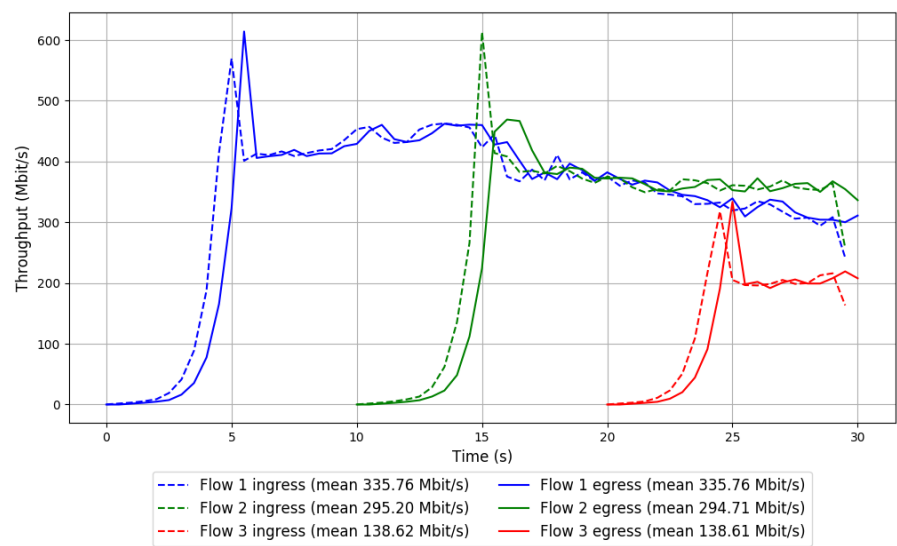
-- Flow 3:

Average throughput: 138.61 Mbit/s

95th percentile per-packet one-way delay: 114.631 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

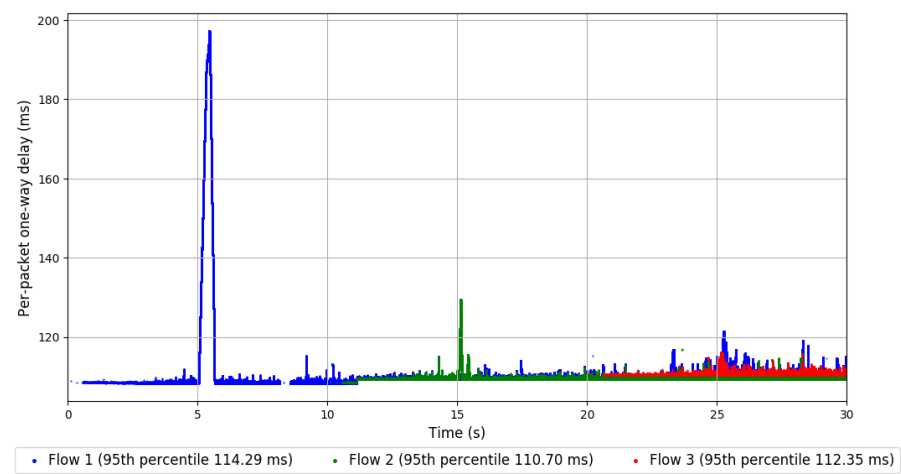
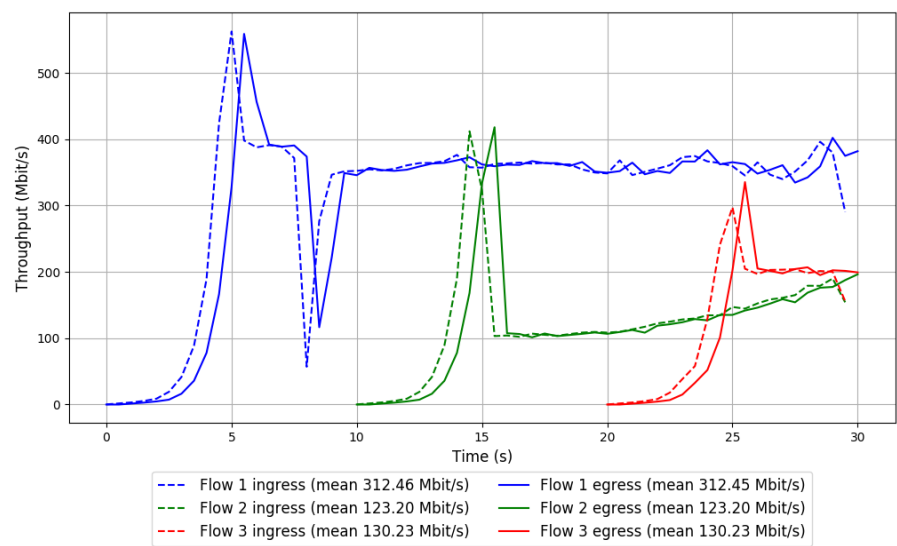


Run 3: Statistics of PCC-Vivace

Start at: 2018-12-11 14:55:00
End at: 2018-12-11 14:55:30
Local clock offset: -0.118 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-12-11 18:33:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.33 Mbit/s
95th percentile per-packet one-way delay: 113.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.45 Mbit/s
95th percentile per-packet one-way delay: 114.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.20 Mbit/s
95th percentile per-packet one-way delay: 110.701 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.23 Mbit/s
95th percentile per-packet one-way delay: 112.354 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

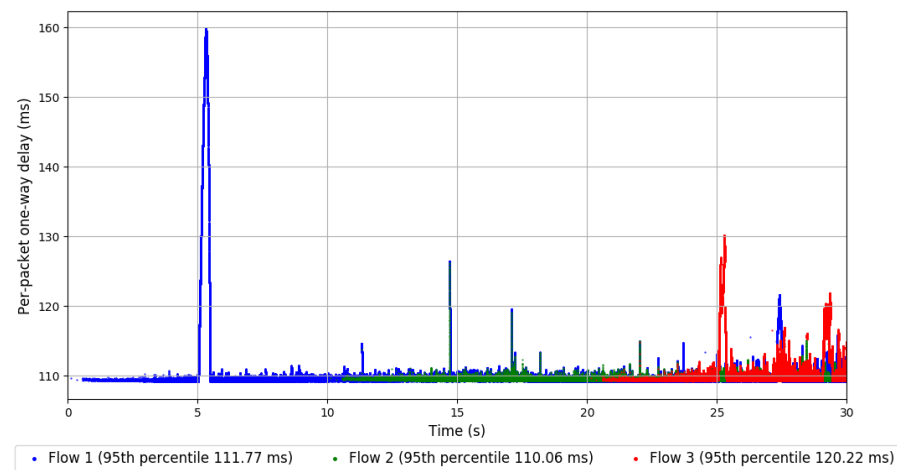
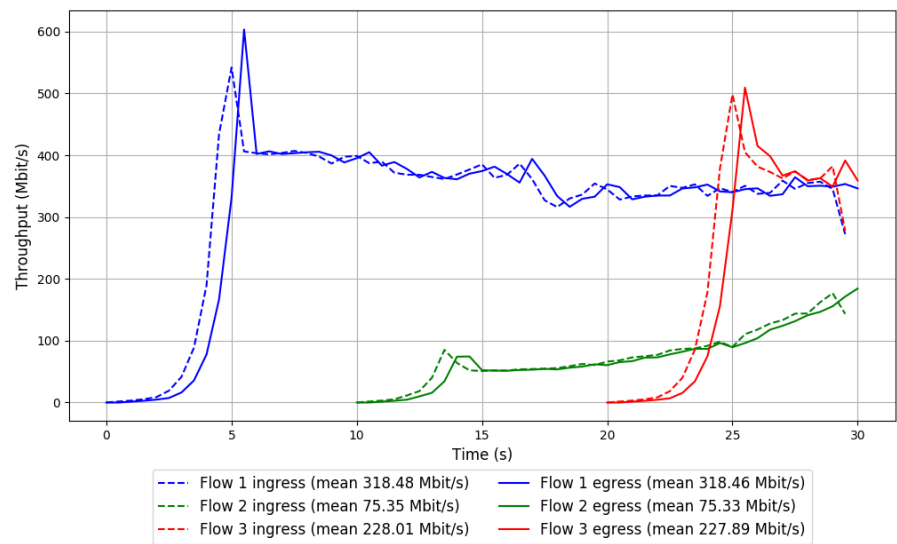


Run 4: Statistics of PCC-Vivace

Start at: 2018-12-11 15:29:44
End at: 2018-12-11 15:30:14
Local clock offset: -0.127 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-12-11 18:33:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.71 Mbit/s
95th percentile per-packet one-way delay: 113.812 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 318.46 Mbit/s
95th percentile per-packet one-way delay: 111.772 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 110.064 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 227.89 Mbit/s
95th percentile per-packet one-way delay: 120.224 ms
Loss rate: 0.06%

Run 4: Report of PCC-Vivace — Data Link

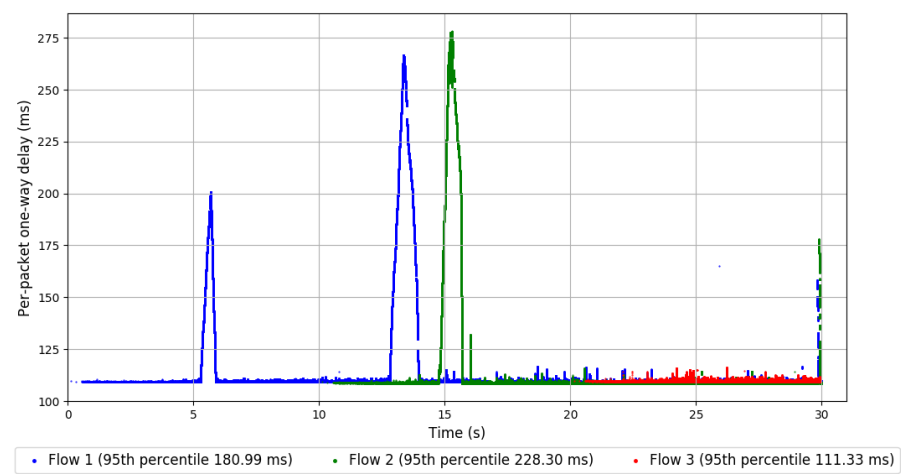
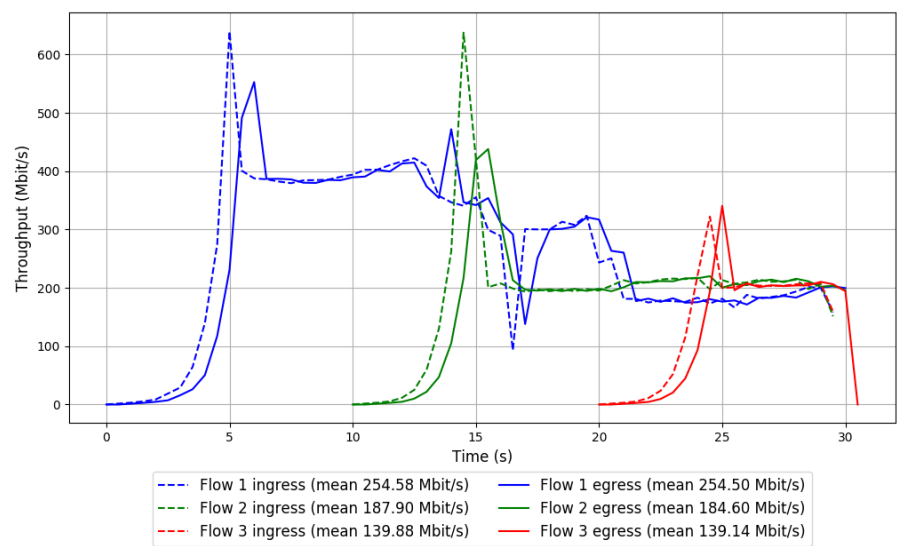


Run 5: Statistics of PCC-Vivace

Start at: 2018-12-11 16:03:52
End at: 2018-12-11 16:04:22
Local clock offset: -0.22 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-12-11 18:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.96 Mbit/s
95th percentile per-packet one-way delay: 187.673 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 254.50 Mbit/s
95th percentile per-packet one-way delay: 180.987 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 184.60 Mbit/s
95th percentile per-packet one-way delay: 228.300 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 139.14 Mbit/s
95th percentile per-packet one-way delay: 111.327 ms
Loss rate: 0.40%

Run 5: Report of PCC-Vivace — Data Link

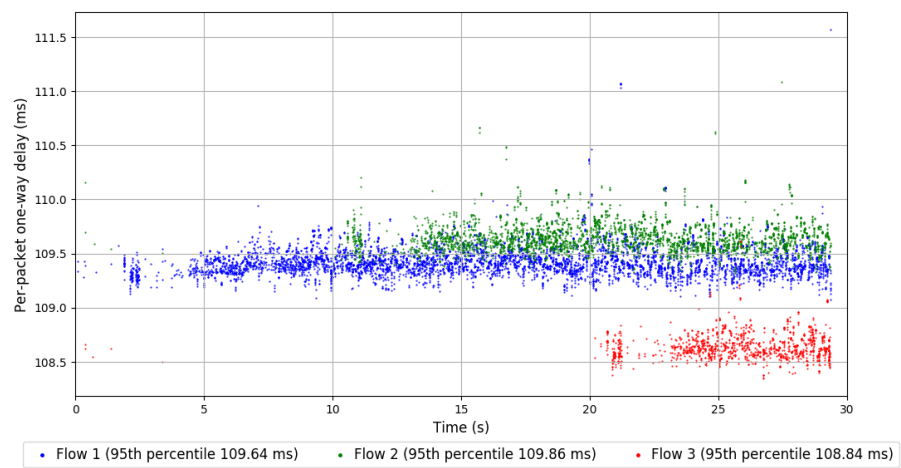
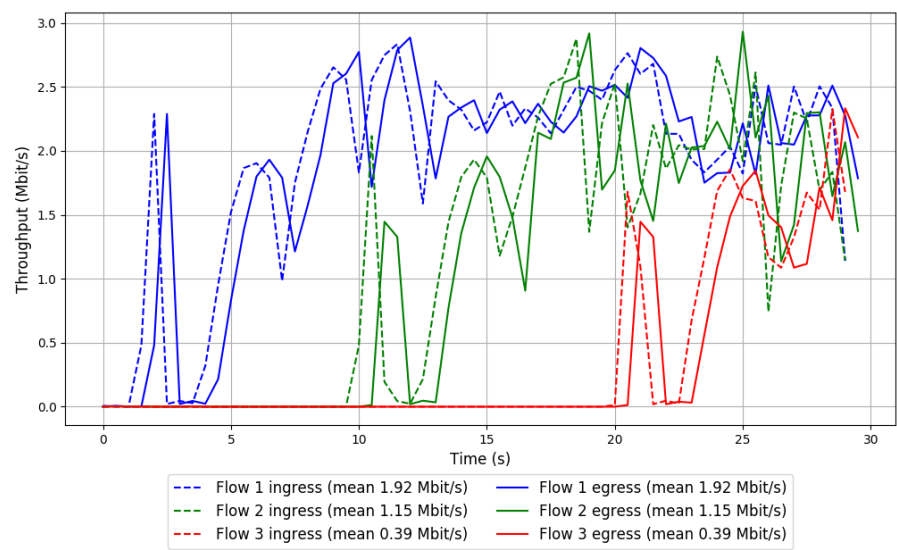


```
Run 1: Statistics of WebRTC media

Start at: 2018-12-11 13:18:31
End at: 2018-12-11 13:19:01
Local clock offset: -0.179 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-12-11 18:33:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 109.774 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 109.645 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 109.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 108.836 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

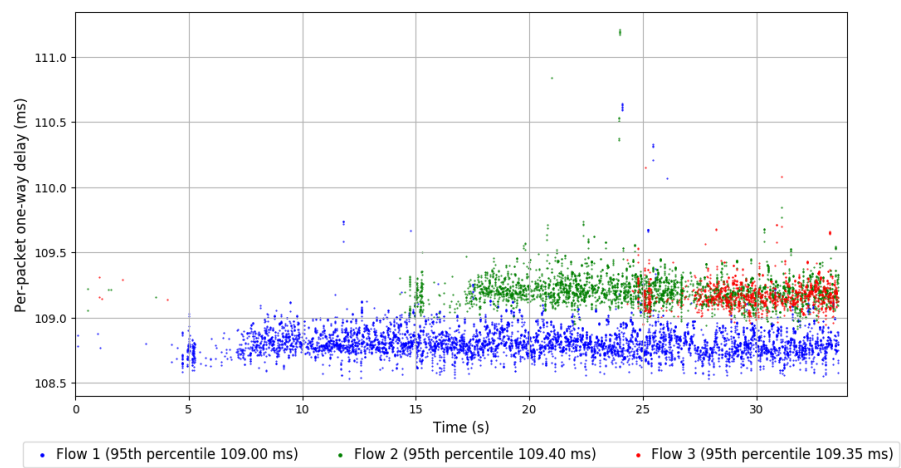
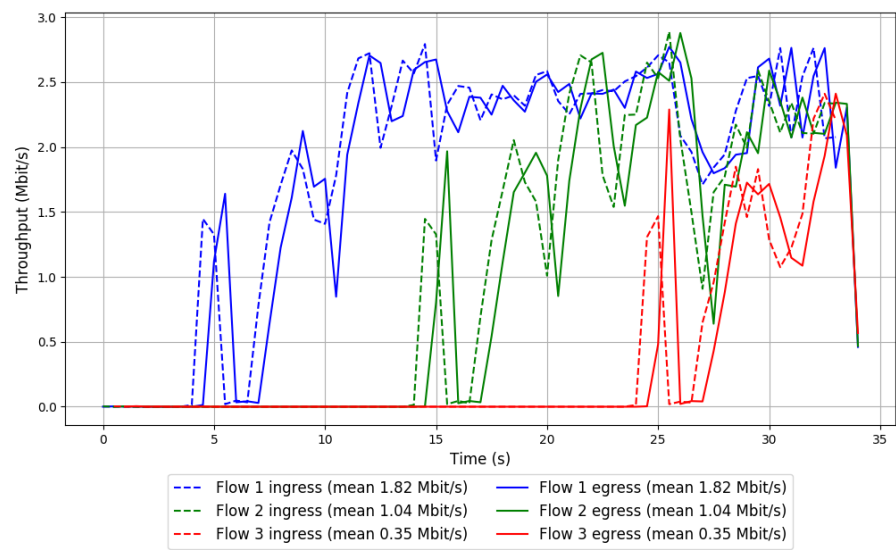


Run 2: Statistics of WebRTC media

Start at: 2018-12-11 13:53:11
End at: 2018-12-11 13:53:41
Local clock offset: 0.395 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-12-11 18:33:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 109.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 108.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 109.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 109.349 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

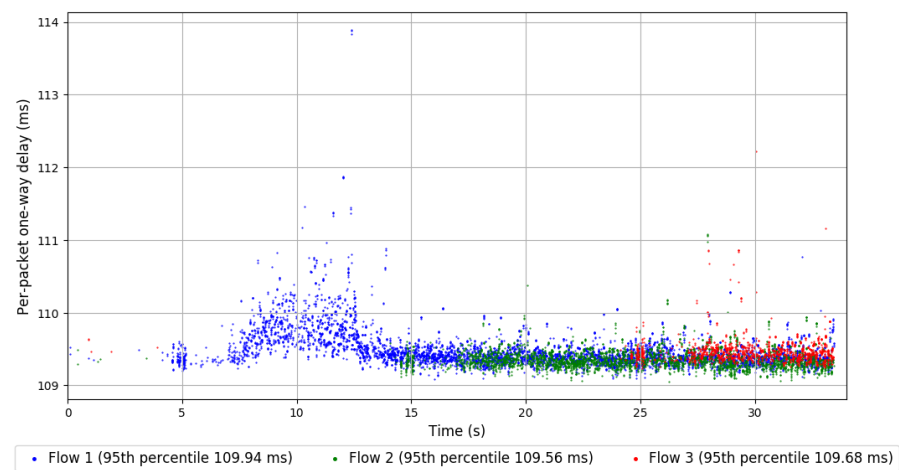
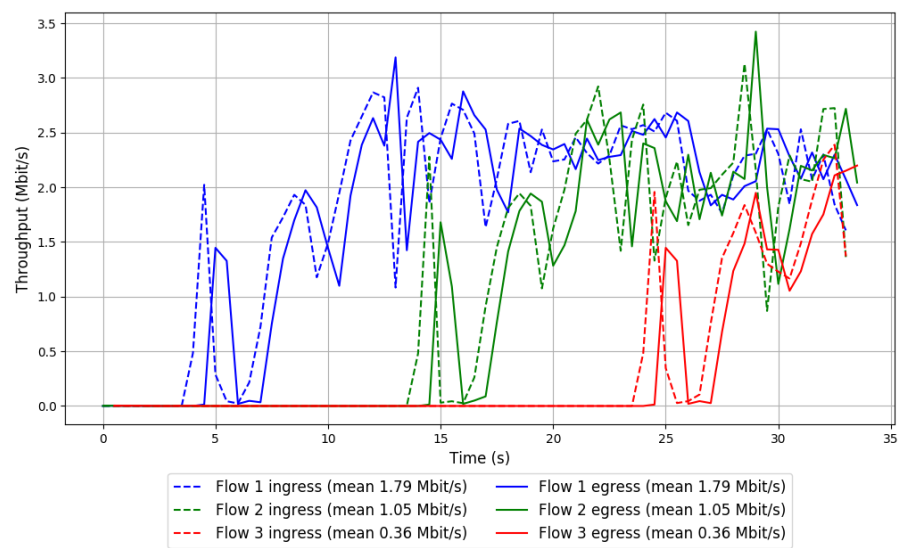


Run 3: Statistics of WebRTC media

Start at: 2018-12-11 14:27:40
End at: 2018-12-11 14:28:10
Local clock offset: -0.22 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-12-11 18:33:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 109.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 109.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 109.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 109.677 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

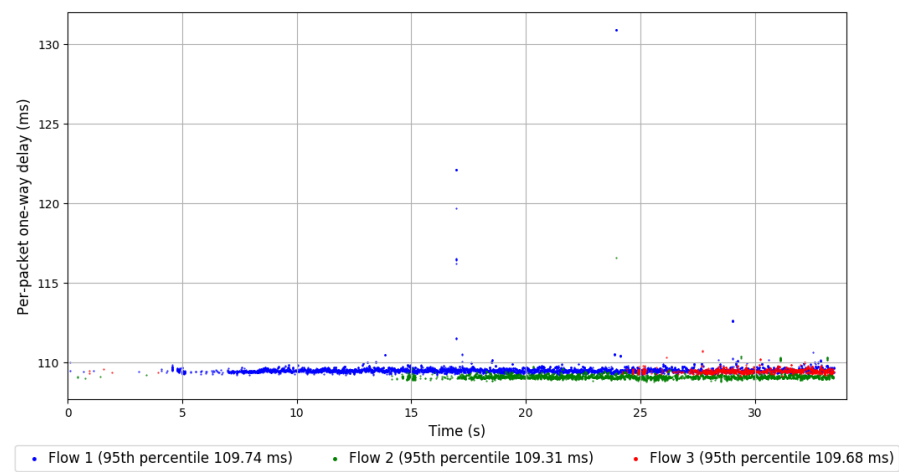
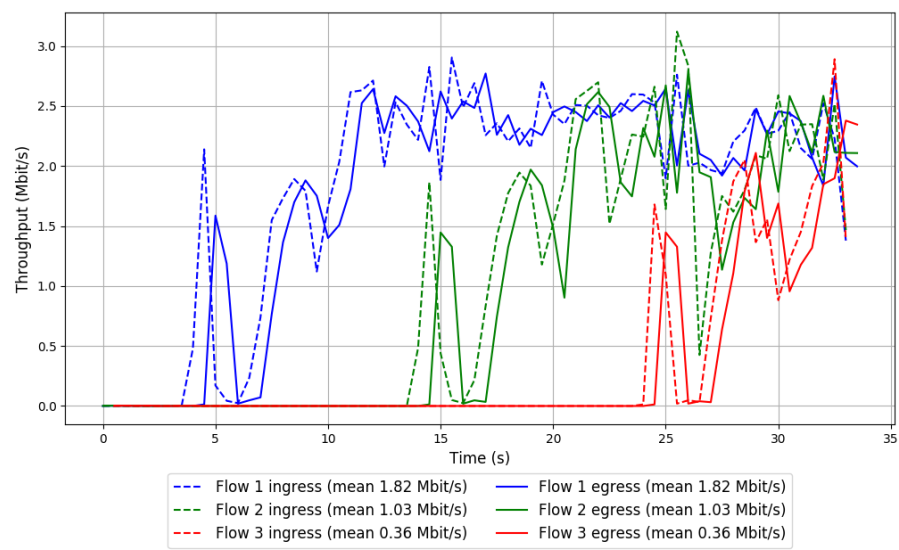


Run 4: Statistics of WebRTC media

Start at: 2018-12-11 15:02:16
End at: 2018-12-11 15:02:46
Local clock offset: 0.002 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-12-11 18:33:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 109.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 109.738 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 109.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 109.681 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-12-11 15:36:54
End at: 2018-12-11 15:37:24
Local clock offset: -0.12 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-12-11 18:33:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 109.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 109.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 109.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 108.681 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

