

Pantheon Report

Generated at 2019-01-03 03:58:48 (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:

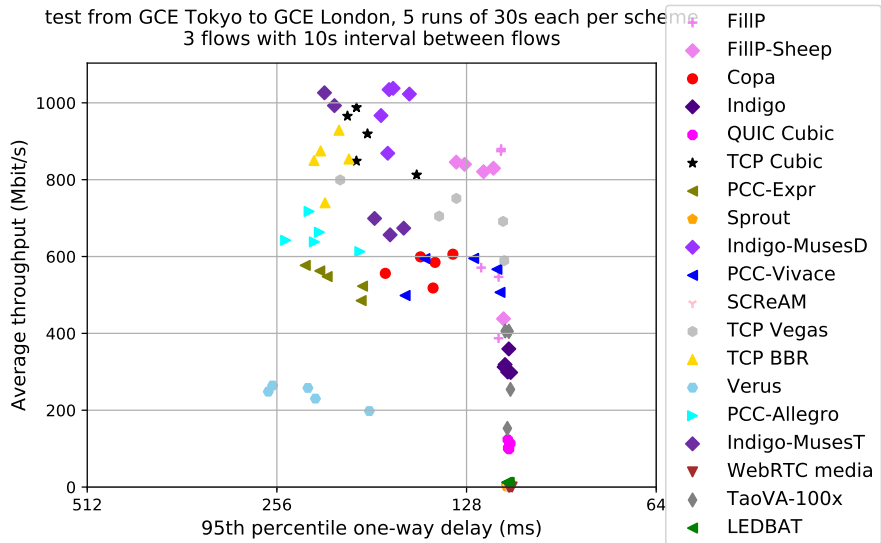
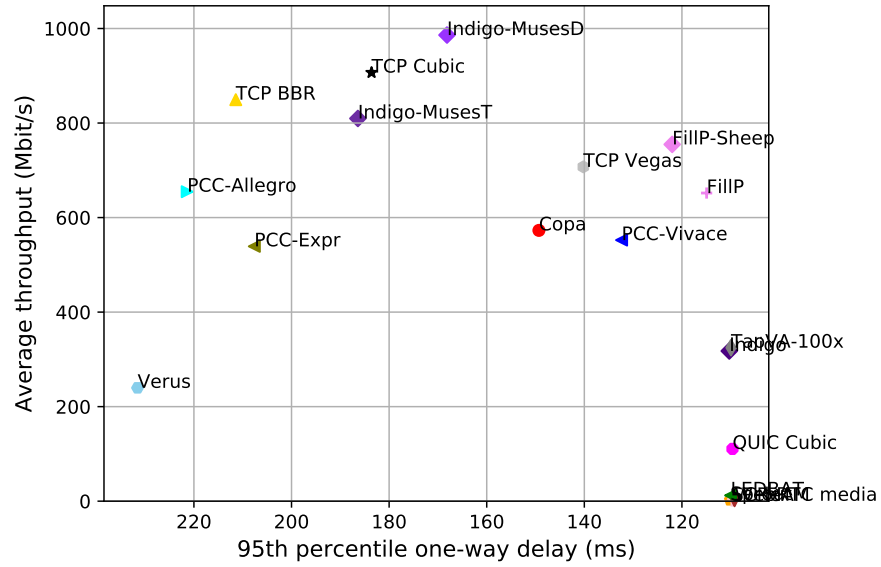
```
Linux 4.15.0-1025-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ c654af0b7d59d4ef4b914cfac404e1fc2e96dc68
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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)



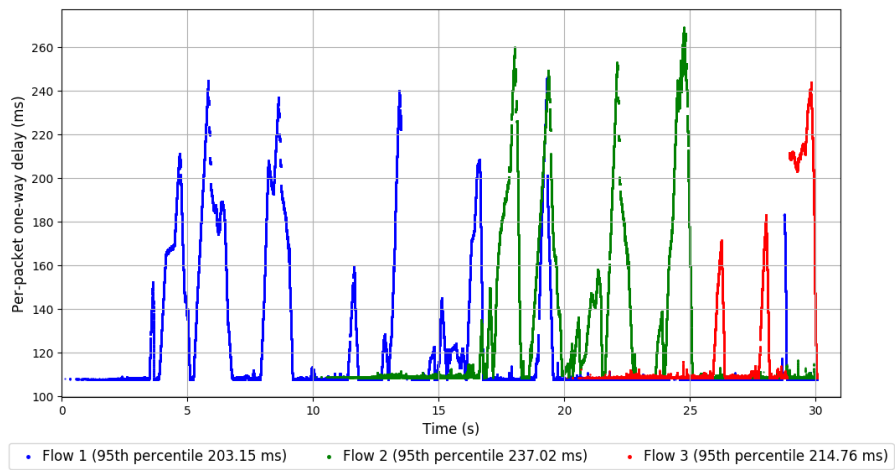
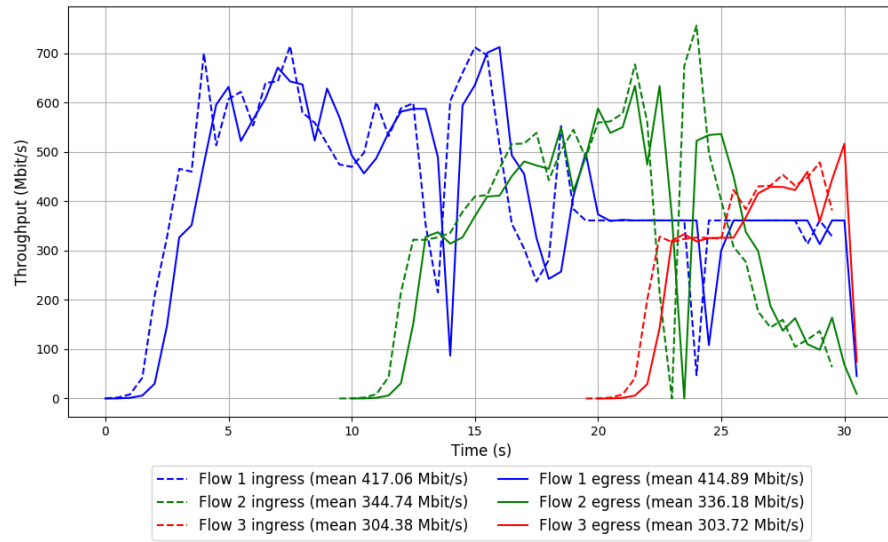
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	476.35	393.10	336.27	198.60	209.65	213.16	0.79	1.10	1.37
Copa	5	295.62	294.90	243.37	136.76	159.41	156.52	0.03	0.09	0.28
TCP Cubic	5	504.13	425.79	357.98	182.17	166.88	170.00	0.12	0.03	0.50
FillP	5	340.31	349.96	238.24	117.44	112.91	111.93	0.00	0.03	0.02
FillP-Sheep	5	450.80	339.21	236.65	128.44	112.52	111.24	0.23	0.00	0.02
Indigo	5	177.55	150.63	126.47	110.03	110.36	110.18	0.00	0.00	0.00
Indigo-MusesD	5	546.95	506.51	319.53	167.04	166.85	172.34	0.10	0.31	0.44
Indigo-MusesT	5	478.84	372.42	301.25	186.77	176.81	163.64	1.75	0.28	0.19
LEDBAT	5	7.86	5.22	2.55	109.92	109.74	109.75	0.00	0.00	0.00
PCC-Allegro	5	362.75	325.44	229.87	221.64	193.55	177.11	2.78	2.50	1.40
PCC-Expr	5	299.10	266.05	190.82	206.08	184.89	190.31	3.53	2.08	2.77
QUIC Cubic	5	61.08	56.35	37.32	109.55	109.56	109.65	0.00	0.00	0.00
SCReAM	5	0.22	0.22	0.22	108.94	109.38	109.50	0.00	0.00	0.00
Sprout	5	1.46	0.79	0.63	109.72	109.55	109.78	0.00	0.00	0.00
TaoVA-100x	5	166.17	164.27	147.85	109.51	109.89	109.46	0.00	0.00	0.00
TCP Vegas	5	352.23	387.17	292.79	137.33	128.44	131.88	0.02	0.05	0.00
Verus	5	159.51	100.44	42.74	214.73	241.80	116.45	4.75	2.30	0.08
PCC-Vivace	5	317.22	275.05	158.20	143.55	126.33	124.72	0.39	0.08	0.08
WebRTC media	5	0.44	0.28	0.12	108.66	109.06	108.96	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-02 22:32:03
End at: 2019-01-02 22:32:33
Local clock offset: 0.44 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-01-03 01:53:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 739.92 Mbit/s
95th percentile per-packet one-way delay: 214.694 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 414.89 Mbit/s
95th percentile per-packet one-way delay: 203.146 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 336.18 Mbit/s
95th percentile per-packet one-way delay: 237.020 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 303.72 Mbit/s
95th percentile per-packet one-way delay: 214.765 ms
Loss rate: 0.22%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-02 23:07:16

End at: 2019-01-02 23:07:46

Local clock offset: -0.633 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-01-03 01:57:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 874.89 Mbit/s

95th percentile per-packet one-way delay: 218.199 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 507.94 Mbit/s

95th percentile per-packet one-way delay: 226.198 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 395.30 Mbit/s

95th percentile per-packet one-way delay: 188.795 ms

Loss rate: 0.26%

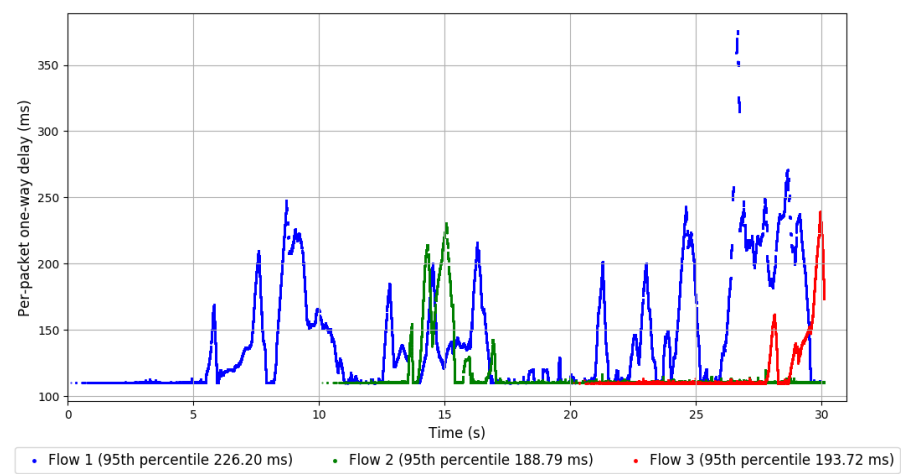
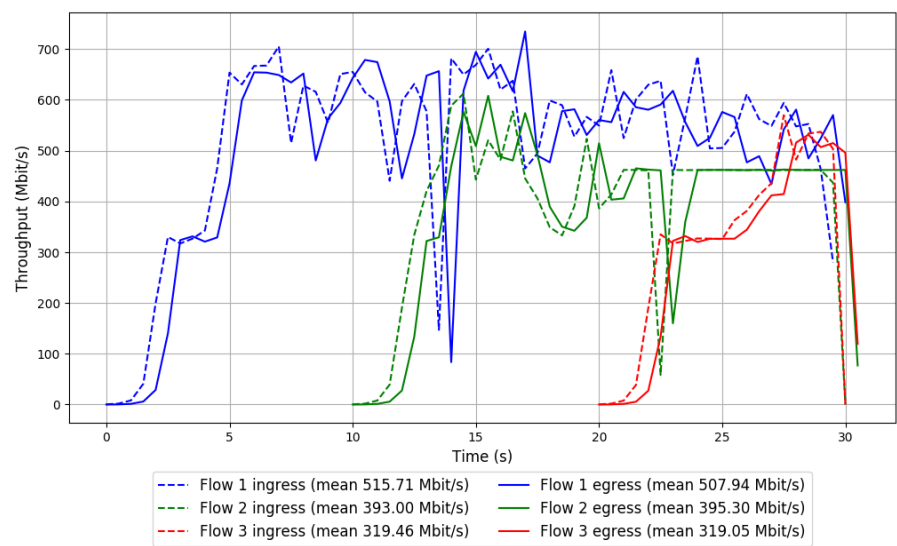
-- Flow 3:

Average throughput: 319.05 Mbit/s

95th percentile per-packet one-way delay: 193.715 ms

Loss rate: 0.85%

Run 2: Report of TCP BBR — Data Link

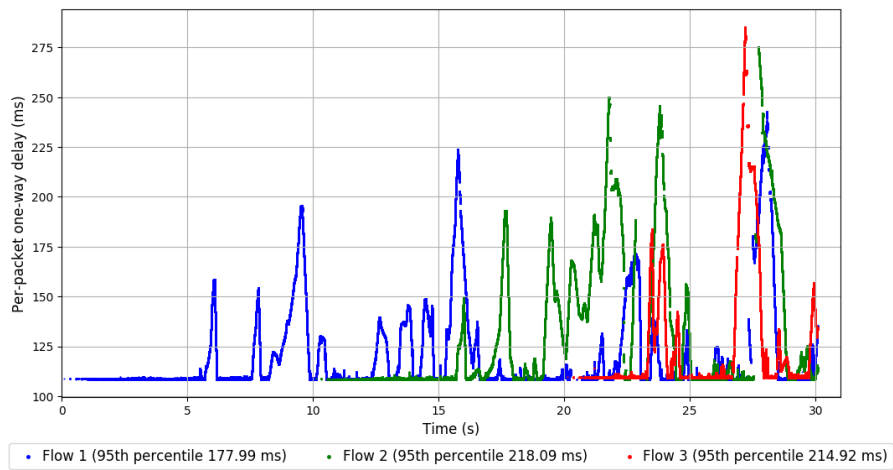
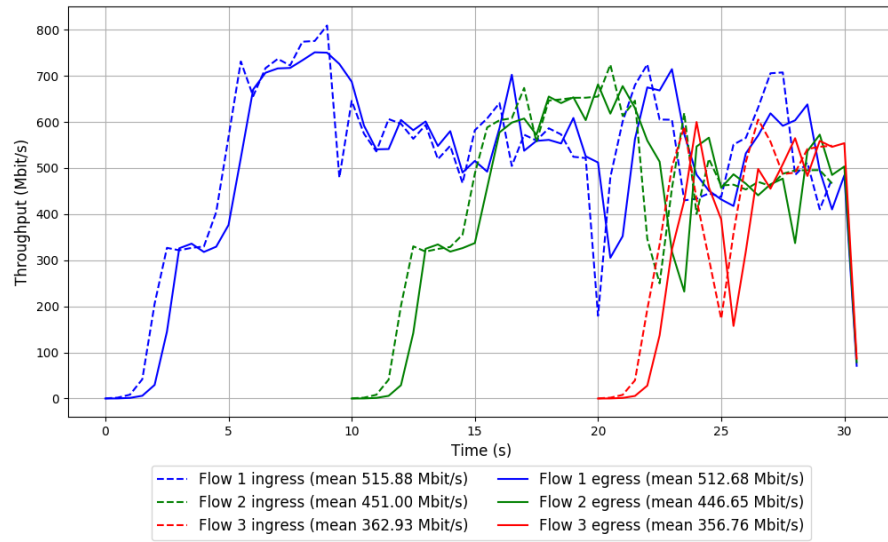


Run 3: Statistics of TCP BBR

Start at: 2019-01-02 23:42:06
End at: 2019-01-02 23:42:36
Local clock offset: -0.161 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-01-03 01:58:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.68 Mbit/s
95th percentile per-packet one-way delay: 203.991 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 512.68 Mbit/s
95th percentile per-packet one-way delay: 177.989 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 446.65 Mbit/s
95th percentile per-packet one-way delay: 218.095 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 356.76 Mbit/s
95th percentile per-packet one-way delay: 214.919 ms
Loss rate: 1.69%

Run 3: Report of TCP BBR — Data Link

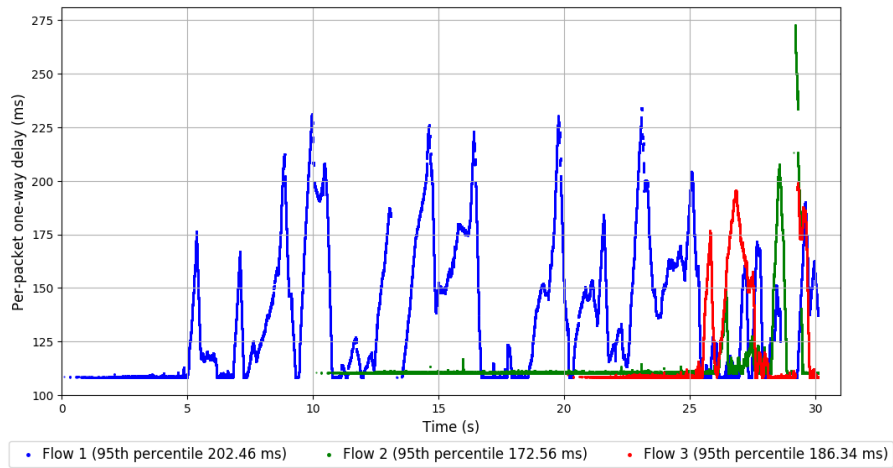
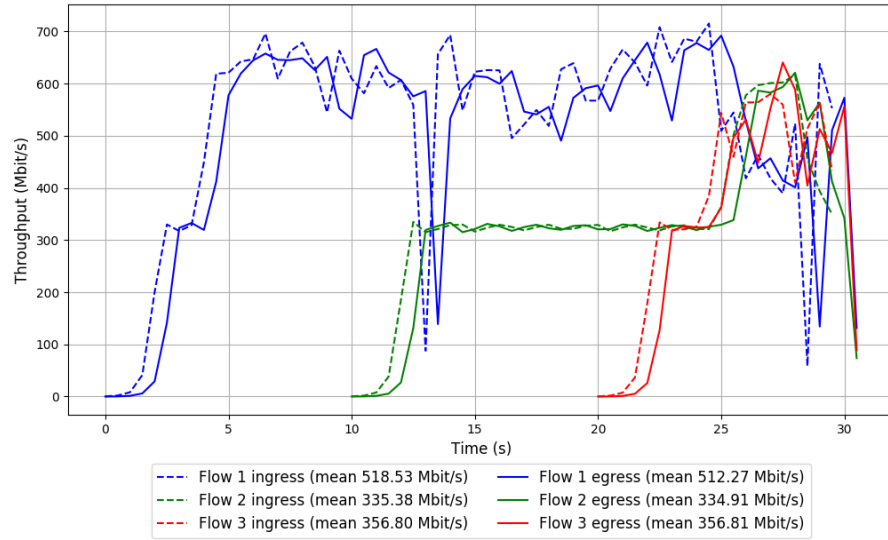


Run 4: Statistics of TCP BBR

Start at: 2019-01-03 00:16:39
End at: 2019-01-03 00:17:09
Local clock offset: 0.573 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-01-03 01:58:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 853.73 Mbit/s
95th percentile per-packet one-way delay: 196.740 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 512.27 Mbit/s
95th percentile per-packet one-way delay: 202.459 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 334.91 Mbit/s
95th percentile per-packet one-way delay: 172.565 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 356.81 Mbit/s
95th percentile per-packet one-way delay: 186.336 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link

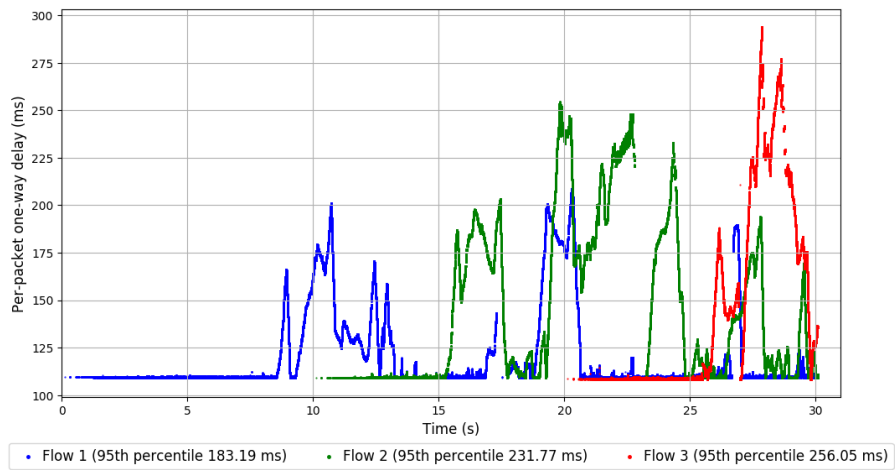
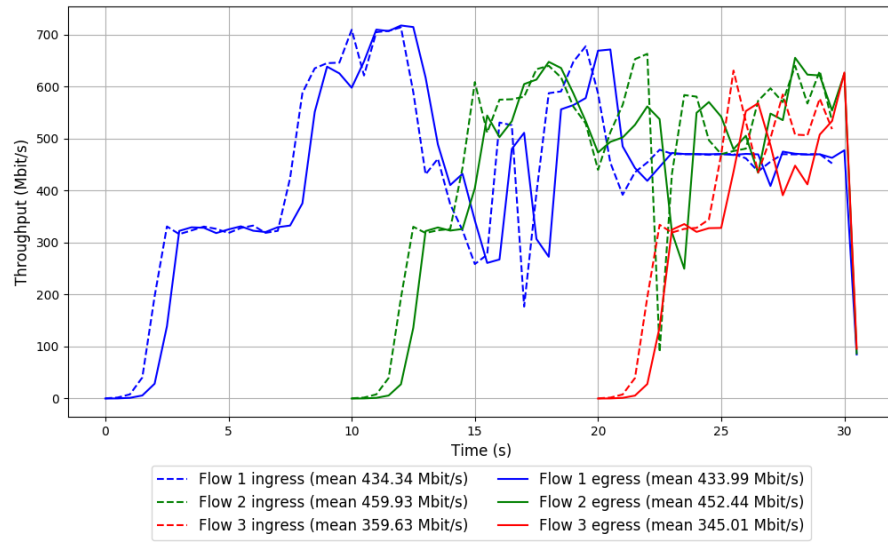


Run 5: Statistics of TCP BBR

Start at: 2019-01-03 00:51:23
End at: 2019-01-03 00:51:53
Local clock offset: -0.161 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-01-03 01:58:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 849.94 Mbit/s
95th percentile per-packet one-way delay: 223.488 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 433.99 Mbit/s
95th percentile per-packet one-way delay: 183.187 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 452.44 Mbit/s
95th percentile per-packet one-way delay: 231.772 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 345.01 Mbit/s
95th percentile per-packet one-way delay: 256.046 ms
Loss rate: 4.06%

Run 5: Report of TCP BBR — Data Link

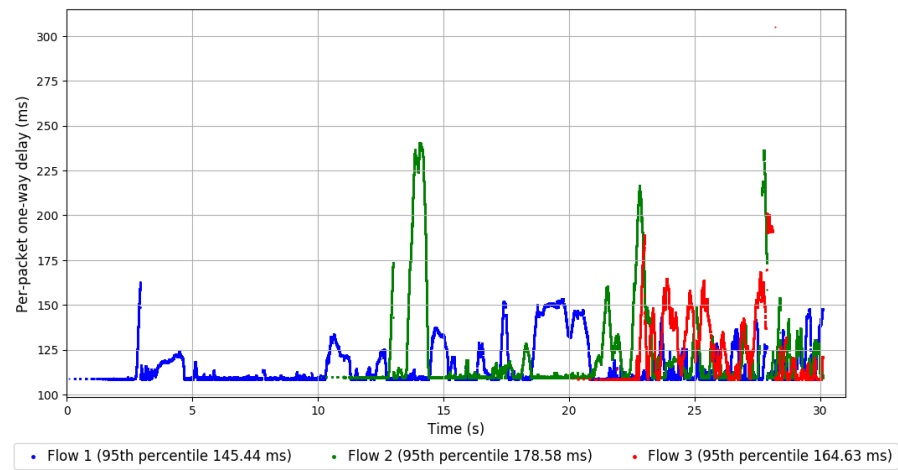
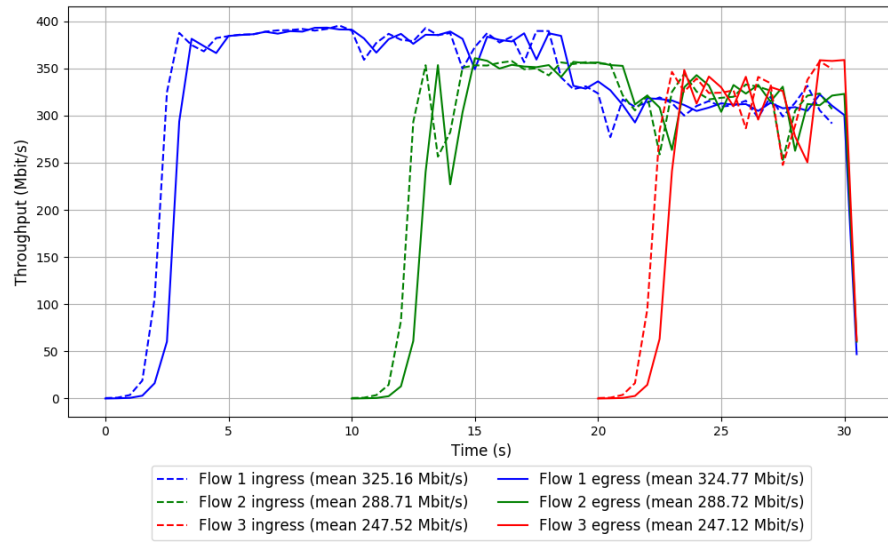


Run 1: Statistics of Copa

Start at: 2019-01-02 22:59:26
End at: 2019-01-02 22:59:56
Local clock offset: -0.336 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-01-03 02:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.15 Mbit/s
95th percentile per-packet one-way delay: 151.479 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 324.77 Mbit/s
95th percentile per-packet one-way delay: 145.440 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 288.72 Mbit/s
95th percentile per-packet one-way delay: 178.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 247.12 Mbit/s
95th percentile per-packet one-way delay: 164.628 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link

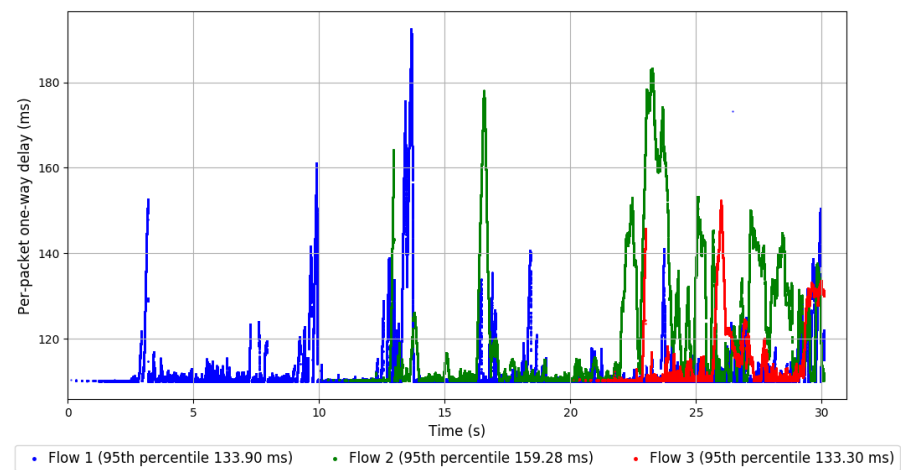
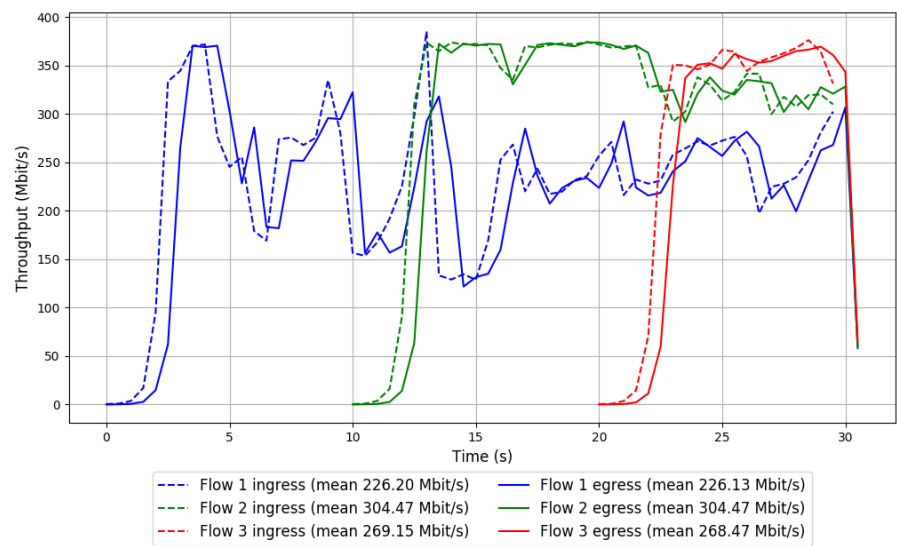


Run 2: Statistics of Copa

Start at: 2019-01-02 23:34:19
End at: 2019-01-02 23:34:49
Local clock offset: -0.758 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-01-03 02:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.09 Mbit/s
95th percentile per-packet one-way delay: 144.652 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 226.13 Mbit/s
95th percentile per-packet one-way delay: 133.902 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 304.47 Mbit/s
95th percentile per-packet one-way delay: 159.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 268.47 Mbit/s
95th percentile per-packet one-way delay: 133.303 ms
Loss rate: 0.24%

Run 2: Report of Copa — Data Link

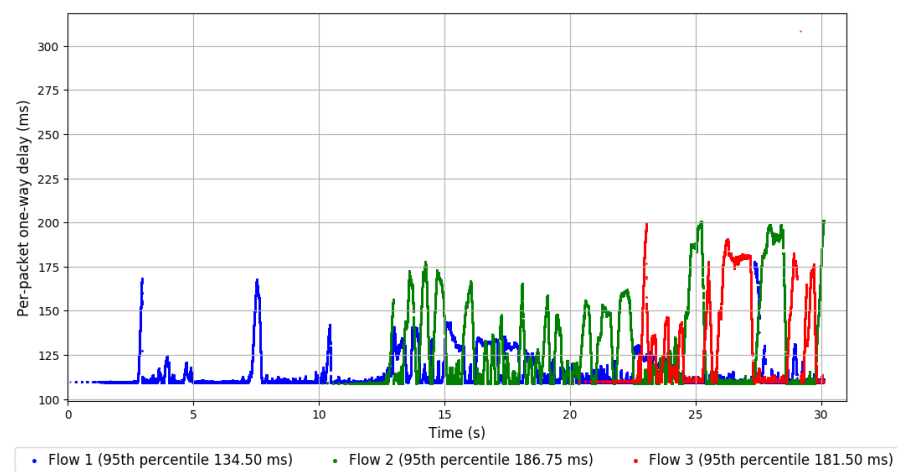
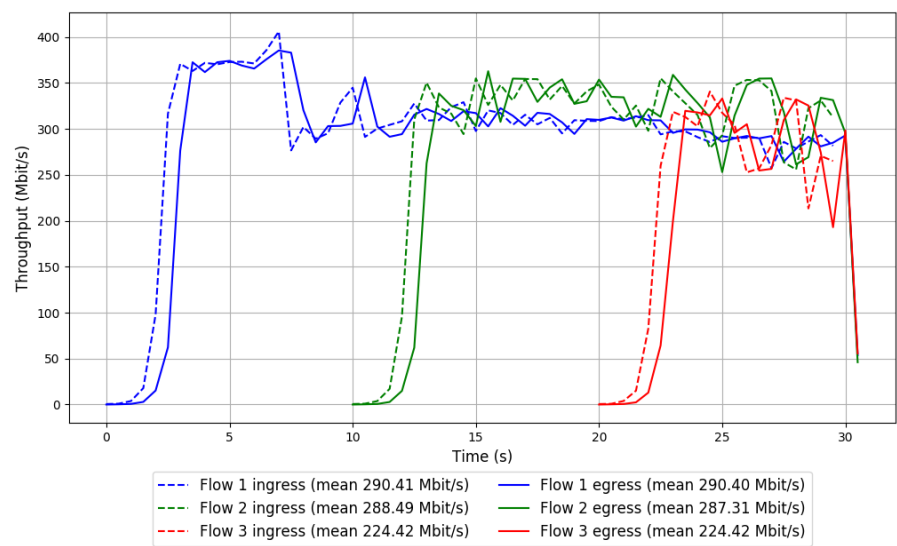


Run 3: Statistics of Copa

Start at: 2019-01-03 00:08:48
End at: 2019-01-03 00:09:18
Local clock offset: -0.683 ms
Remote clock offset: -0.225 ms

```
# Below is generated by plot.py at 2019-01-03 02:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.24 Mbit/s
95th percentile per-packet one-way delay: 172.227 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 290.40 Mbit/s
95th percentile per-packet one-way delay: 134.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 287.31 Mbit/s
95th percentile per-packet one-way delay: 186.750 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 224.42 Mbit/s
95th percentile per-packet one-way delay: 181.504 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

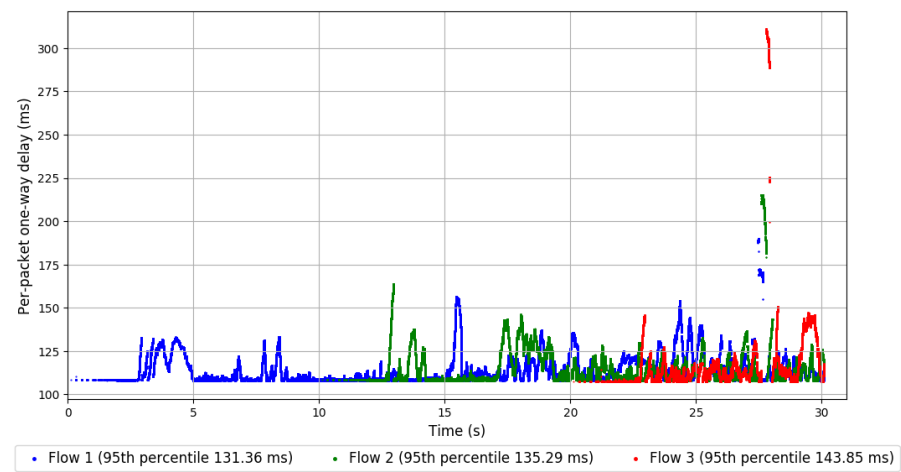
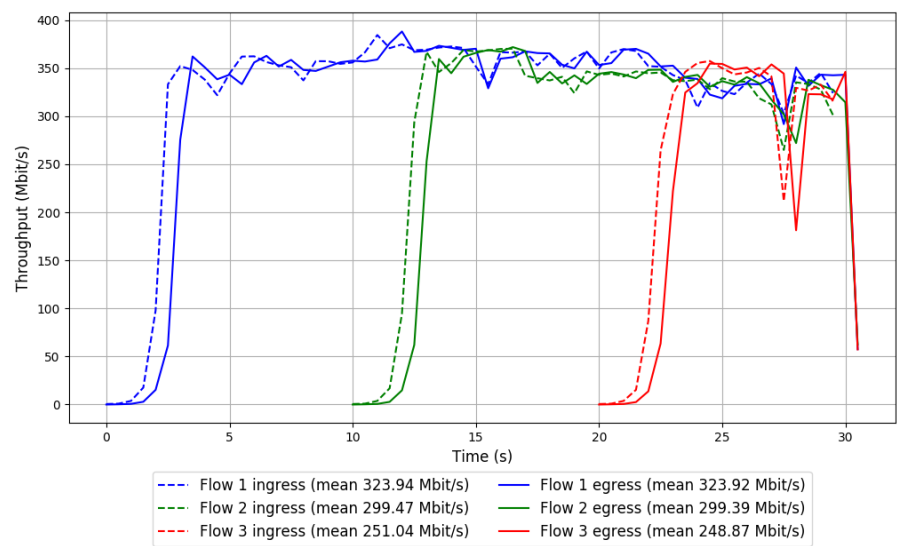


Run 4: Statistics of Copa

Start at: 2019-01-03 00:43:41
End at: 2019-01-03 00:44:11
Local clock offset: 0.647 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-01-03 02:15:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 606.04 Mbit/s
95th percentile per-packet one-way delay: 134.552 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 323.92 Mbit/s
95th percentile per-packet one-way delay: 131.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 299.39 Mbit/s
95th percentile per-packet one-way delay: 135.294 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 248.87 Mbit/s
95th percentile per-packet one-way delay: 143.850 ms
Loss rate: 0.86%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-01-03 01:18:32

End at: 2019-01-03 01:19:02

Local clock offset: -0.187 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2019-01-03 02:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 584.79 Mbit/s

95th percentile per-packet one-way delay: 143.625 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 312.89 Mbit/s

95th percentile per-packet one-way delay: 138.582 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 294.61 Mbit/s

95th percentile per-packet one-way delay: 137.149 ms

Loss rate: 0.03%

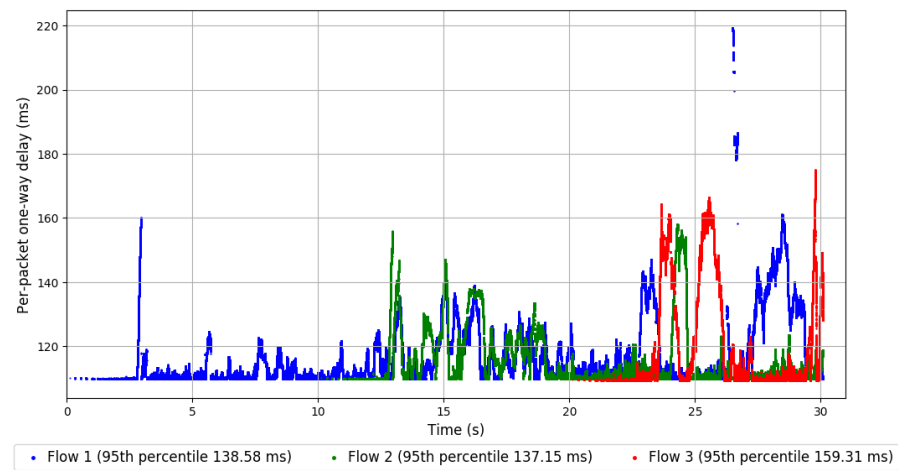
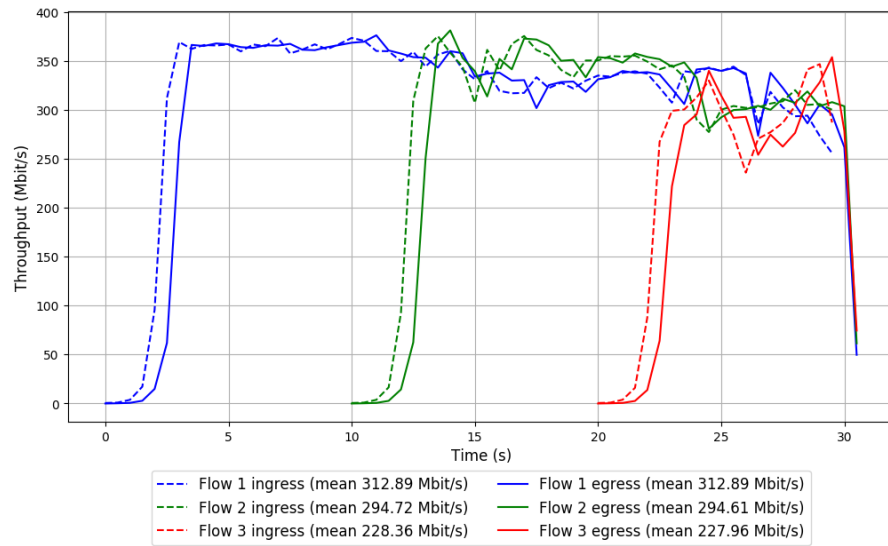
-- Flow 3:

Average throughput: 227.96 Mbit/s

95th percentile per-packet one-way delay: 159.308 ms

Loss rate: 0.17%

Run 5: Report of Copa — Data Link

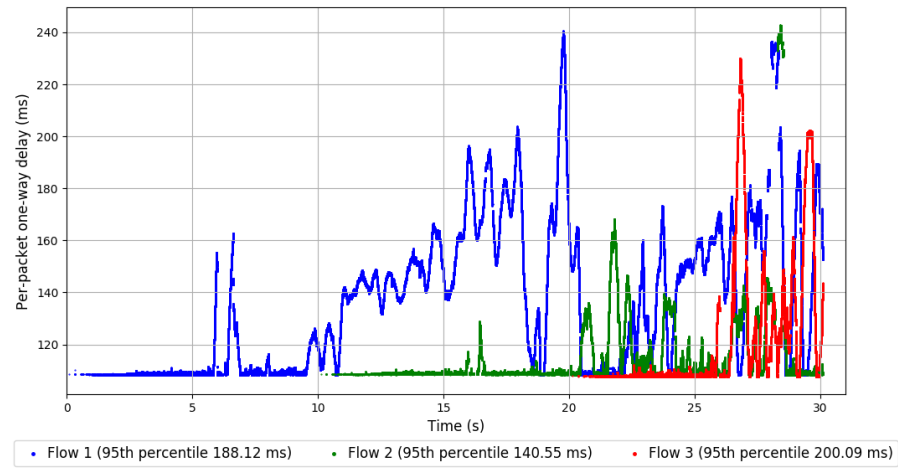
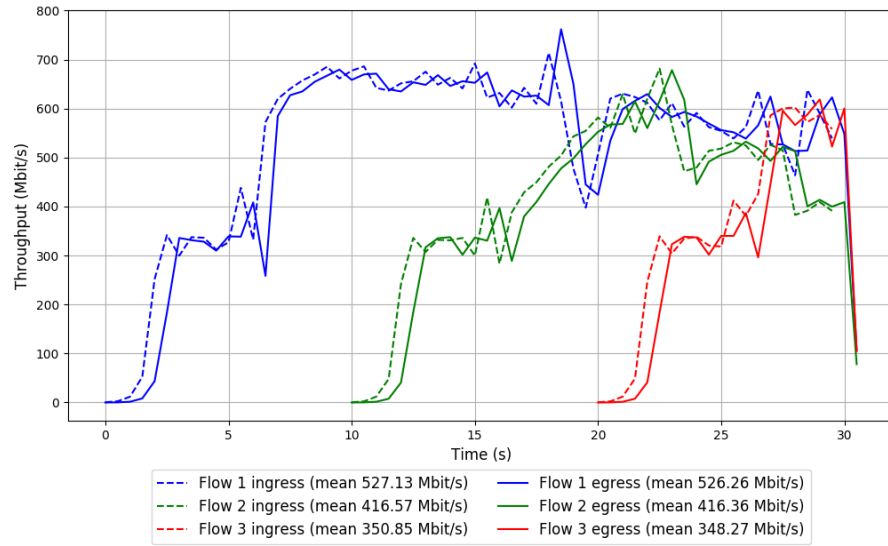


Run 1: Statistics of TCP Cubic

Start at: 2019-01-02 23:05:05
End at: 2019-01-02 23:05:35
Local clock offset: 0.515 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-01-03 02:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.31 Mbit/s
95th percentile per-packet one-way delay: 183.832 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 526.26 Mbit/s
95th percentile per-packet one-way delay: 188.115 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 416.36 Mbit/s
95th percentile per-packet one-way delay: 140.552 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 348.27 Mbit/s
95th percentile per-packet one-way delay: 200.095 ms
Loss rate: 0.72%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-02 23:40:01

End at: 2019-01-02 23:40:31

Local clock offset: 0.053 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-01-03 02:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 812.48 Mbit/s

95th percentile per-packet one-way delay: 153.599 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 449.53 Mbit/s

95th percentile per-packet one-way delay: 151.659 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 382.85 Mbit/s

95th percentile per-packet one-way delay: 153.850 ms

Loss rate: 0.00%

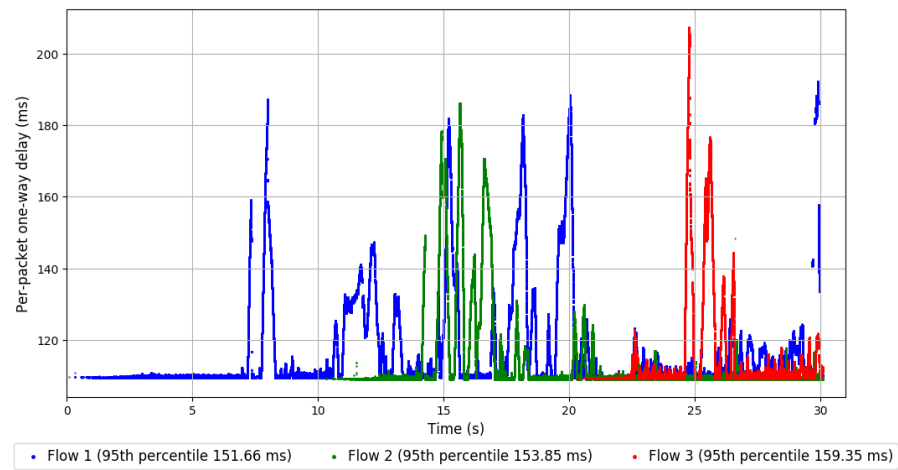
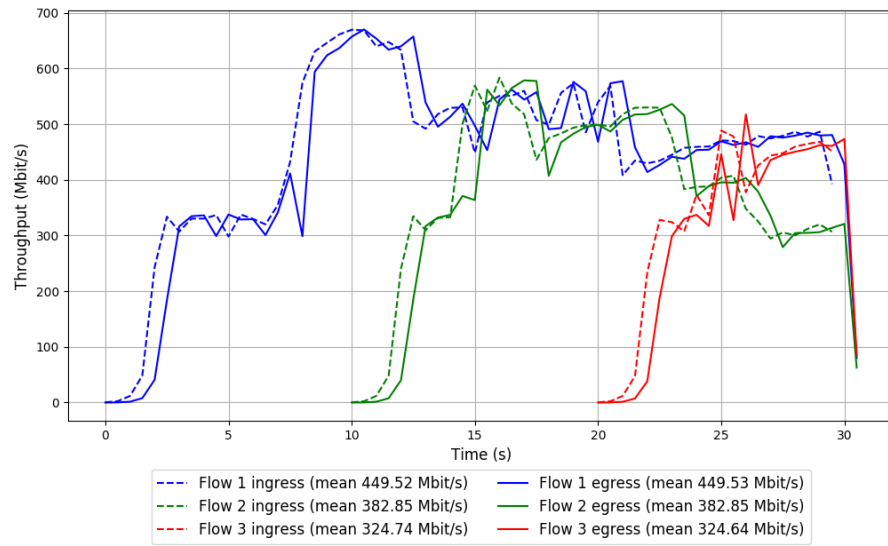
-- Flow 3:

Average throughput: 324.64 Mbit/s

95th percentile per-packet one-way delay: 159.354 ms

Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link

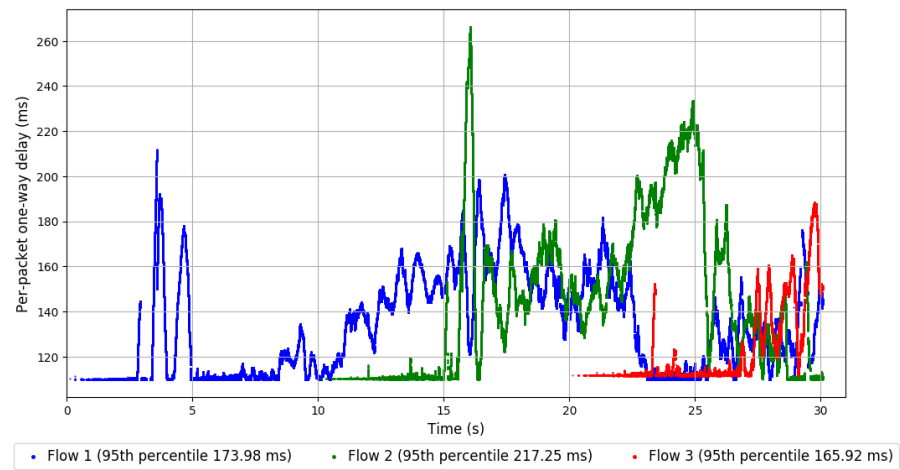
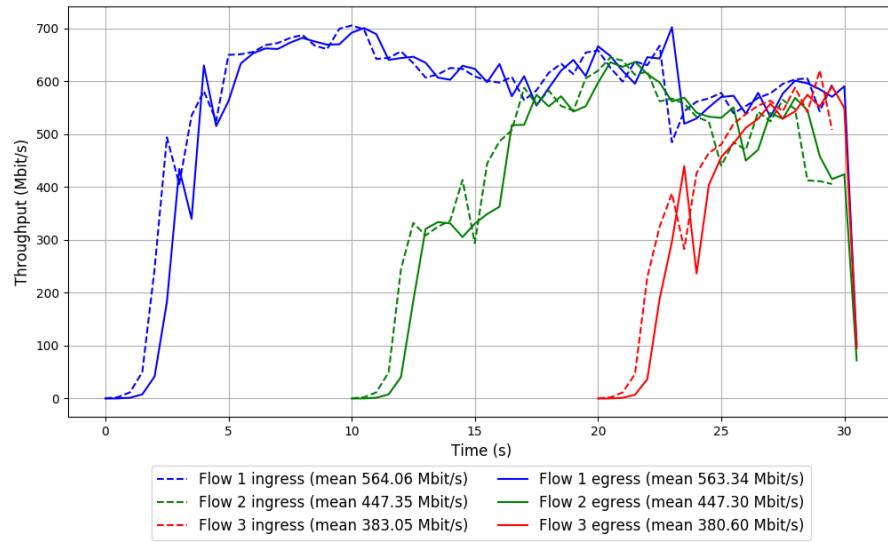


Run 3: Statistics of TCP Cubic

Start at: 2019-01-03 00:14:25
End at: 2019-01-03 00:14:55
Local clock offset: -0.67 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-01-03 02:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 987.89 Mbit/s
95th percentile per-packet one-way delay: 191.356 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 563.34 Mbit/s
95th percentile per-packet one-way delay: 173.982 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 447.30 Mbit/s
95th percentile per-packet one-way delay: 217.252 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 380.60 Mbit/s
95th percentile per-packet one-way delay: 165.916 ms
Loss rate: 0.66%

Run 3: Report of TCP Cubic — Data Link

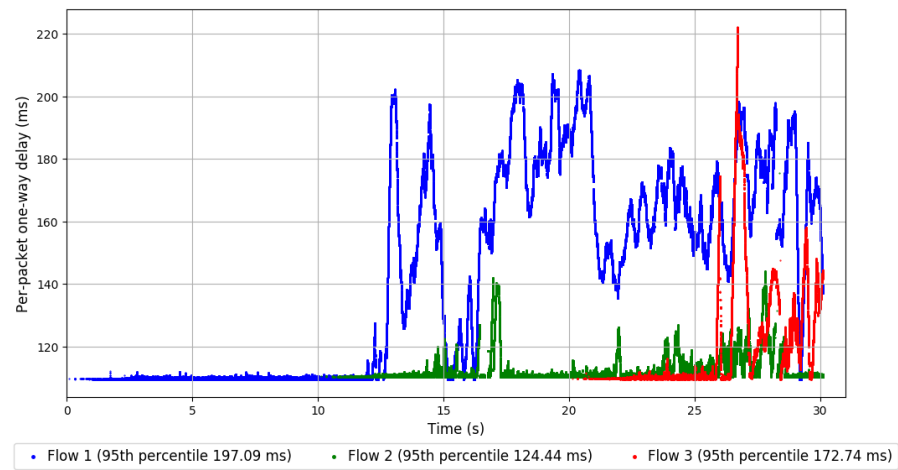
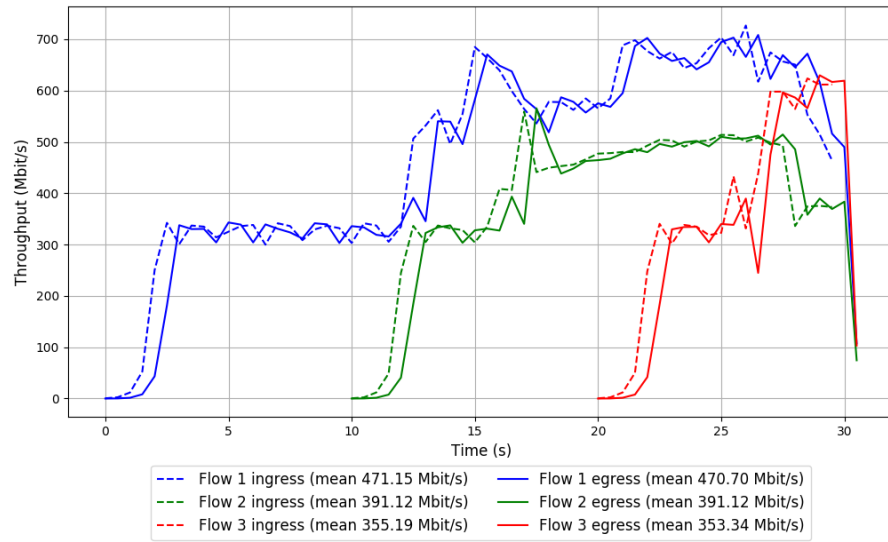


Run 4: Statistics of TCP Cubic

Start at: 2019-01-03 00:49:17
End at: 2019-01-03 00:49:47
Local clock offset: -1.356 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-01-03 02:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 848.61 Mbit/s
95th percentile per-packet one-way delay: 191.431 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 470.70 Mbit/s
95th percentile per-packet one-way delay: 197.088 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 391.12 Mbit/s
95th percentile per-packet one-way delay: 124.444 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 353.34 Mbit/s
95th percentile per-packet one-way delay: 172.741 ms
Loss rate: 0.51%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-03 01:24:06

End at: 2019-01-03 01:24:36

Local clock offset: -0.09 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-01-03 02:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 965.51 Mbit/s

95th percentile per-packet one-way delay: 197.793 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 510.83 Mbit/s

95th percentile per-packet one-way delay: 200.015 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 491.33 Mbit/s

95th percentile per-packet one-way delay: 198.308 ms

Loss rate: 0.06%

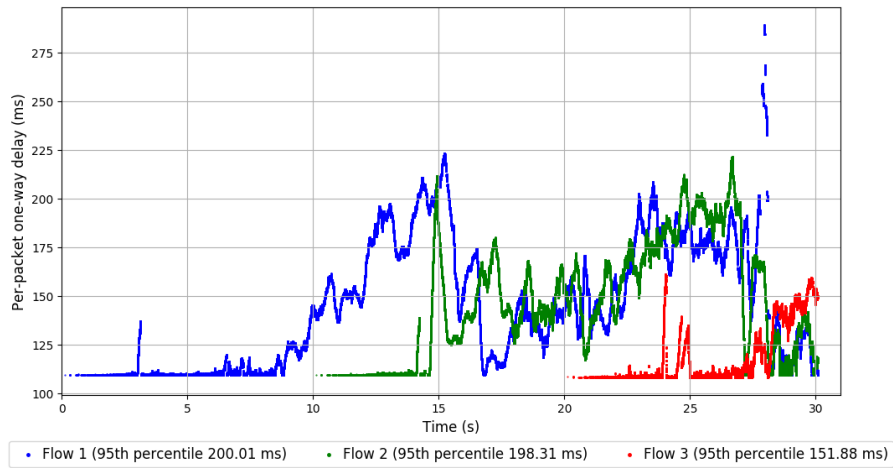
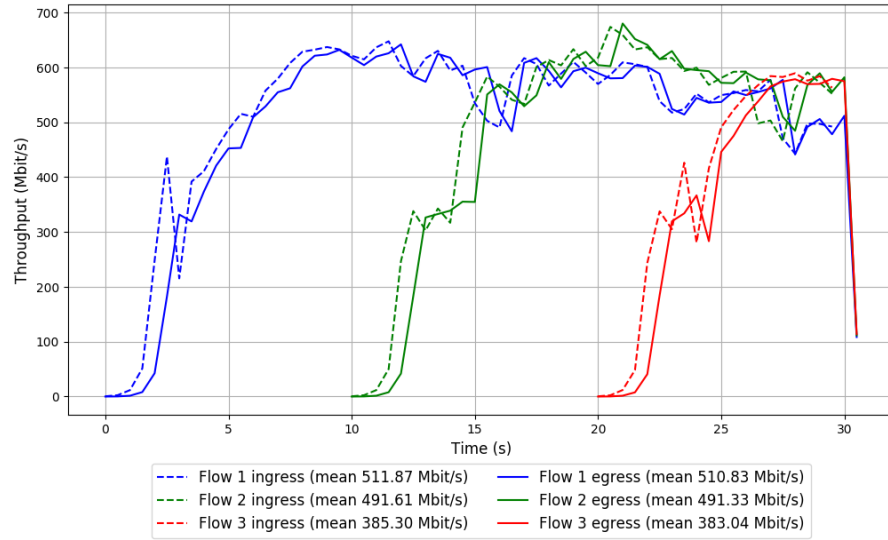
-- Flow 3:

Average throughput: 383.04 Mbit/s

95th percentile per-packet one-way delay: 151.876 ms

Loss rate: 0.59%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-01-02 22:41:47

End at: 2019-01-02 22:42:17

Local clock offset: -1.509 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-01-03 02:20:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 874.33 Mbit/s

95th percentile per-packet one-way delay: 112.874 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 568.06 Mbit/s

95th percentile per-packet one-way delay: 112.373 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 342.88 Mbit/s

95th percentile per-packet one-way delay: 113.555 ms

Loss rate: 0.15%

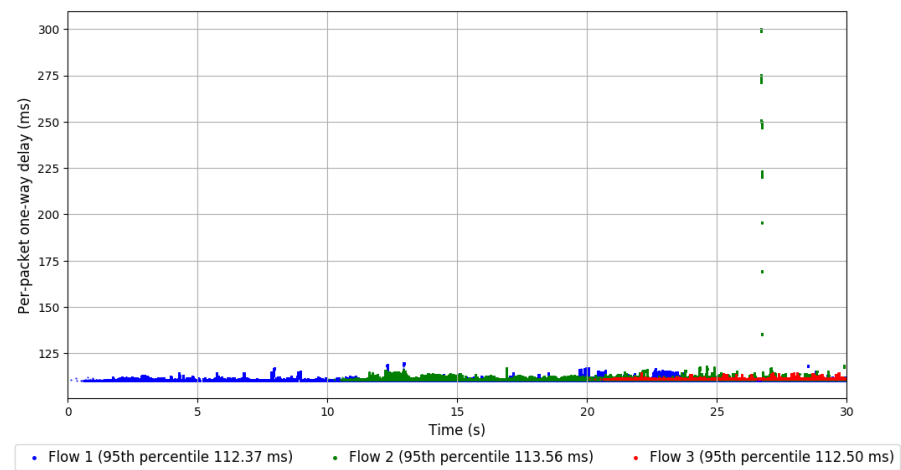
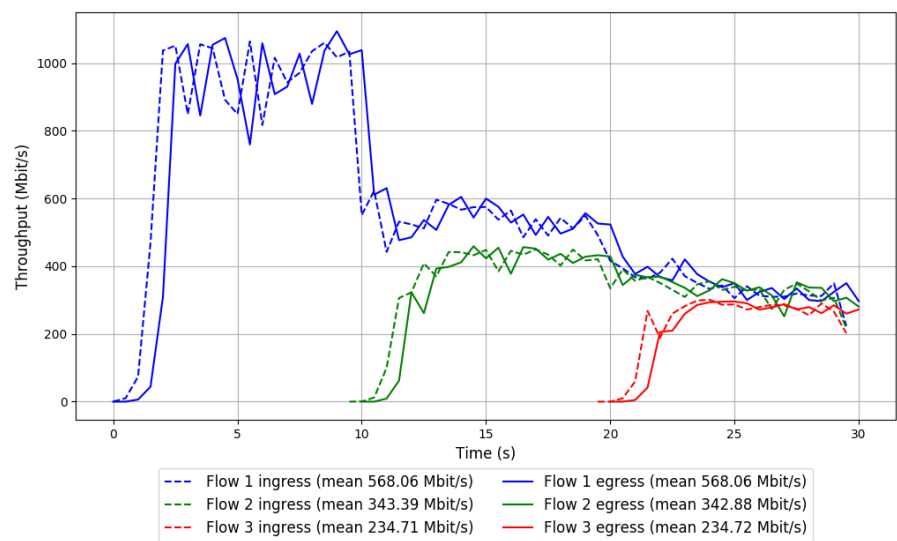
-- Flow 3:

Average throughput: 234.72 Mbit/s

95th percentile per-packet one-way delay: 112.503 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-01-02 23:17:06

End at: 2019-01-02 23:17:36

Local clock offset: 0.084 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-01-03 02:31:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 879.84 Mbit/s

95th percentile per-packet one-way delay: 112.796 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 567.70 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 351.19 Mbit/s

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

Loss rate: 0.00%

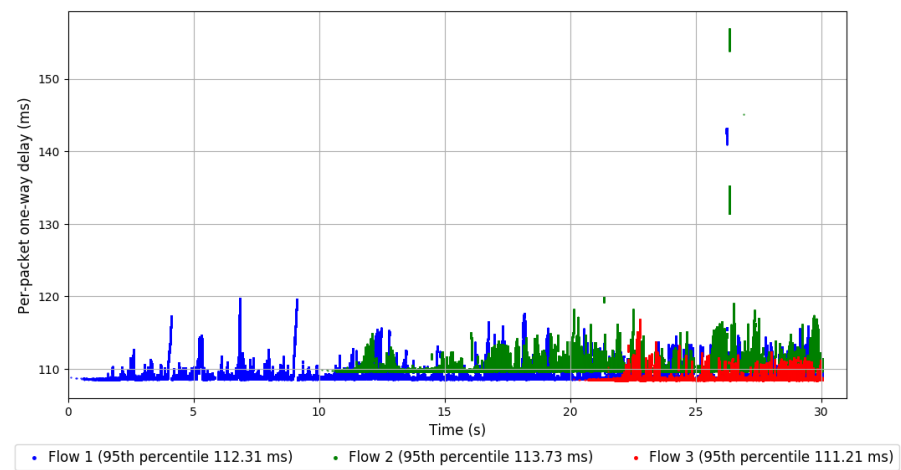
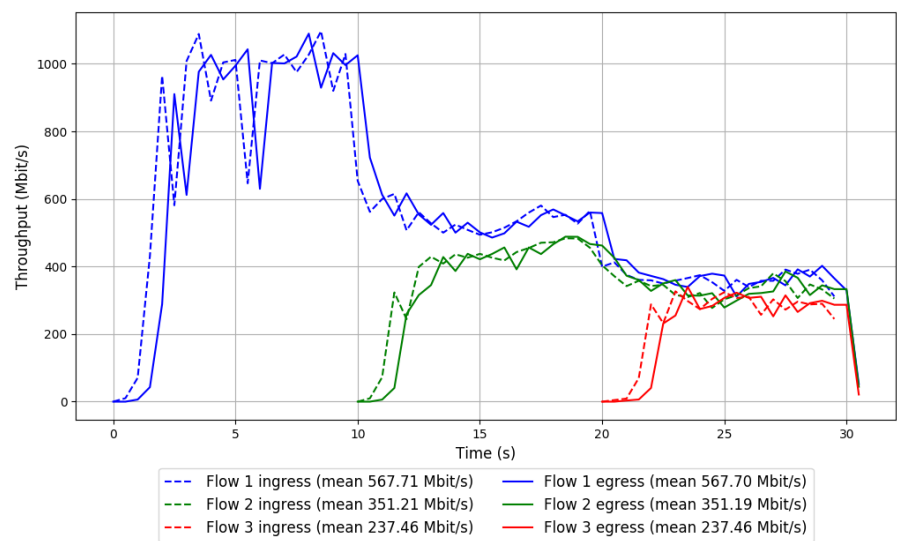
-- Flow 3:

Average throughput: 237.46 Mbit/s

95th percentile per-packet one-way delay: 111.211 ms

Loss rate: 0.00%

Run 2: Report of FillP — Data Link

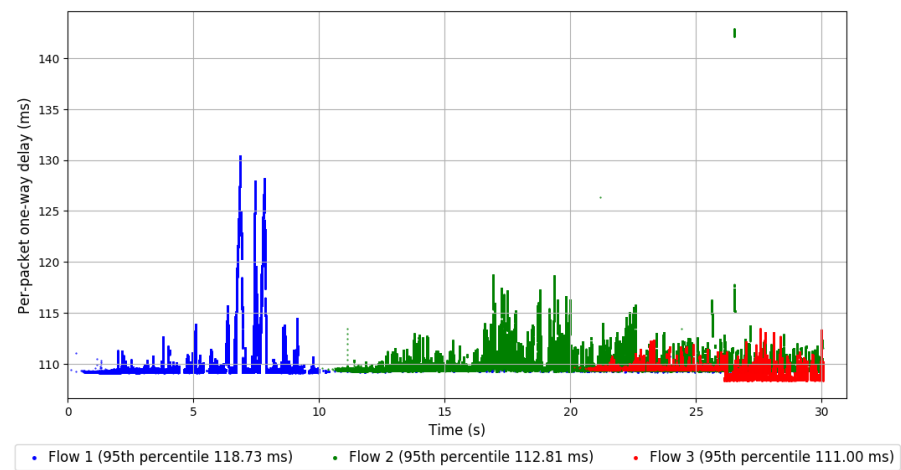
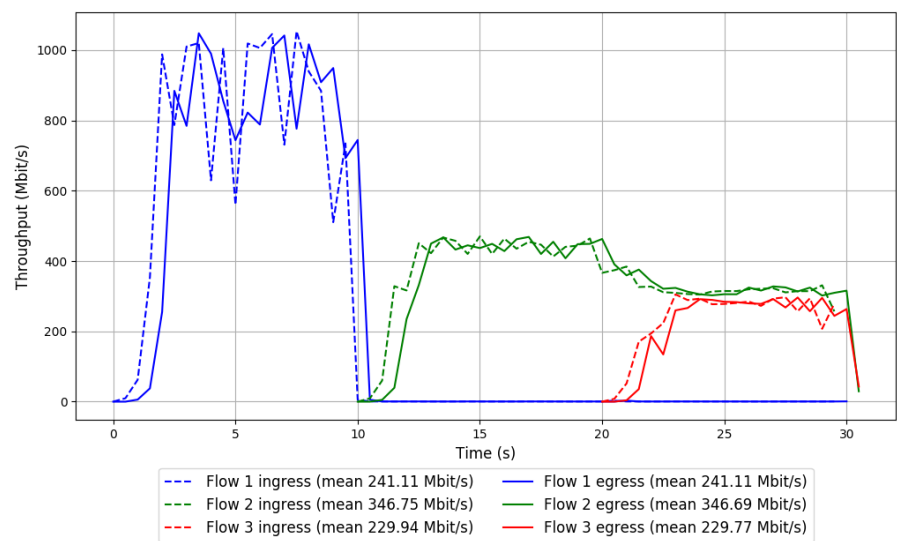


Run 3: Statistics of FillP

Start at: 2019-01-02 23:51:53
End at: 2019-01-02 23:52:23
Local clock offset: -0.015 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-01-03 02:31:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.94 Mbit/s
95th percentile per-packet one-way delay: 113.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 241.11 Mbit/s
95th percentile per-packet one-way delay: 118.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 346.69 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 229.77 Mbit/s
95th percentile per-packet one-way delay: 111.000 ms
Loss rate: 0.08%

Run 3: Report of FillP — Data Link

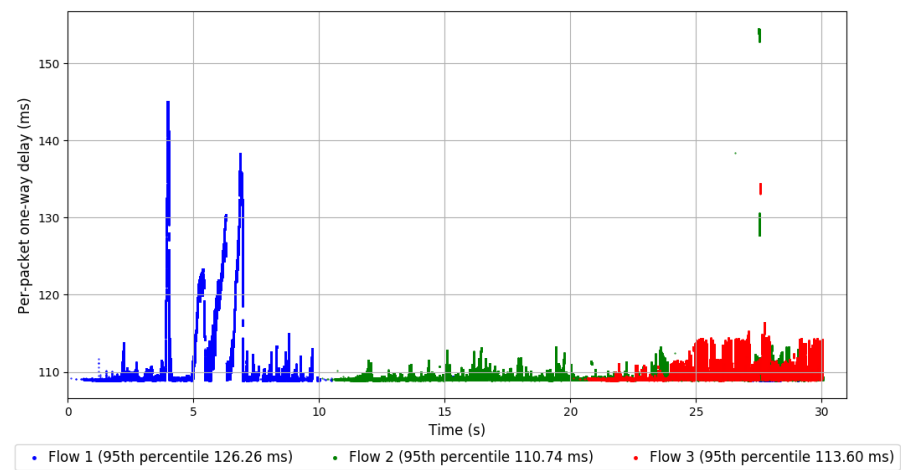
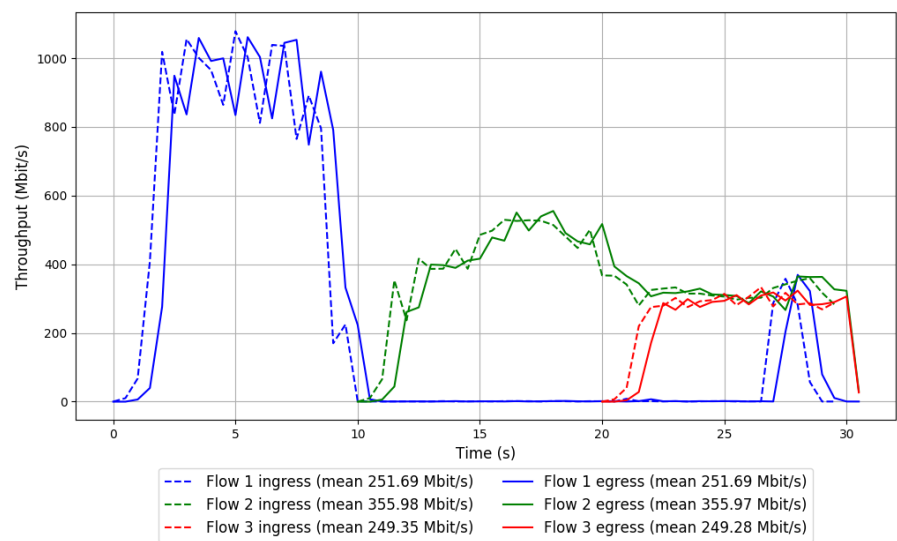


Run 4: Statistics of FillP

Start at: 2019-01-03 00:26:22
End at: 2019-01-03 00:26:52
Local clock offset: 0.019 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-01-03 02:31:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.04 Mbit/s
95th percentile per-packet one-way delay: 121.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.69 Mbit/s
95th percentile per-packet one-way delay: 126.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 355.97 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 249.28 Mbit/s
95th percentile per-packet one-way delay: 113.598 ms
Loss rate: 0.00%

Run 4: Report of FillP — Data Link

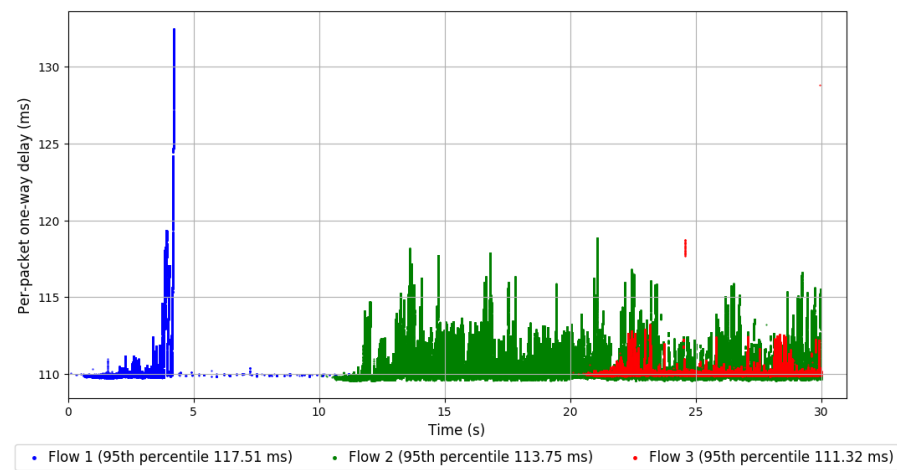
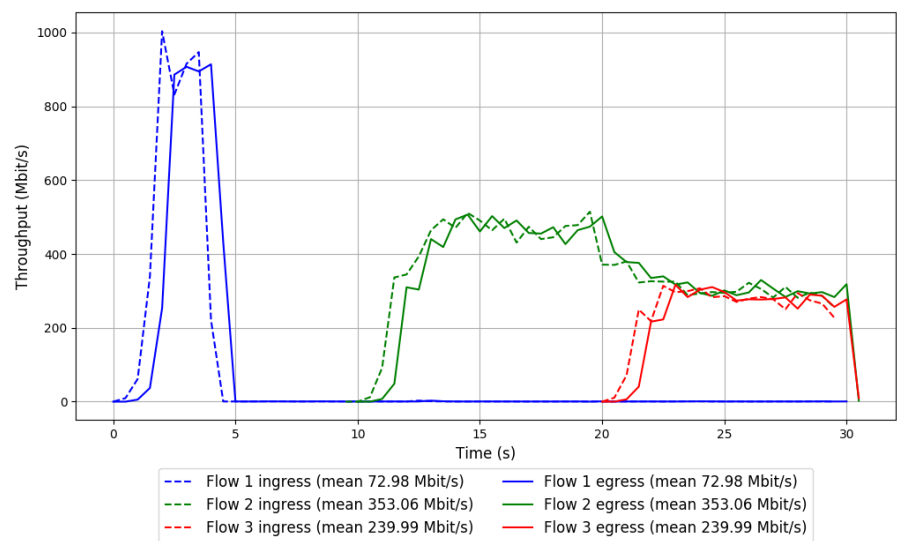


Run 5: Statistics of FillP

Start at: 2019-01-03 01:01:02
End at: 2019-01-03 01:01:32
Local clock offset: -0.725 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-01-03 02:31:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.31 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.98 Mbit/s
95th percentile per-packet one-way delay: 117.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 353.06 Mbit/s
95th percentile per-packet one-way delay: 113.745 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 239.99 Mbit/s
95th percentile per-packet one-way delay: 111.323 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link

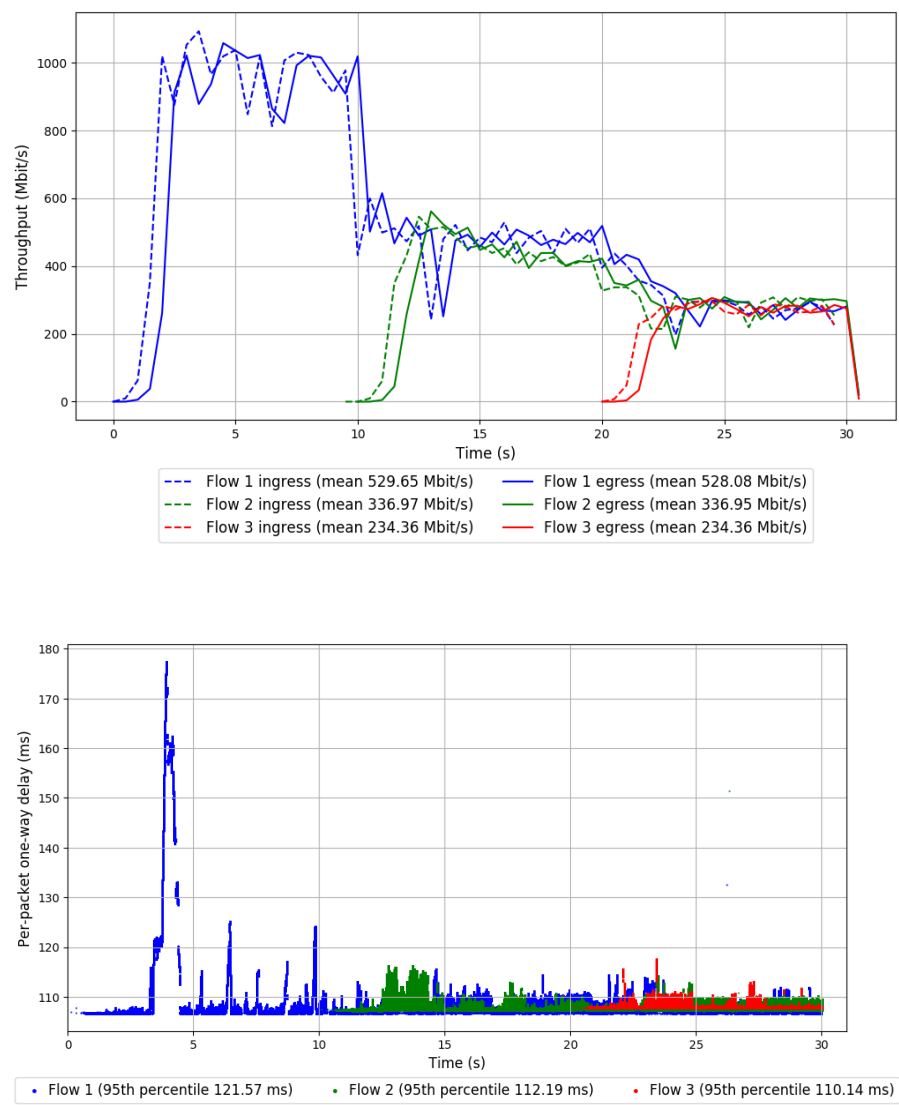


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-02 22:47:13
End at: 2019-01-02 22:47:43
Local clock offset: 1.184 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2019-01-03 02:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 829.76 Mbit/s
95th percentile per-packet one-way delay: 116.006 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 528.08 Mbit/s
95th percentile per-packet one-way delay: 121.571 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 336.95 Mbit/s
95th percentile per-packet one-way delay: 112.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 234.36 Mbit/s
95th percentile per-packet one-way delay: 110.139 ms
Loss rate: 0.02%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-01-02 23:22:43

End at: 2019-01-02 23:23:13

Local clock offset: 0.726 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-01-03 02:35:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 437.94 Mbit/s

95th percentile per-packet one-way delay: 111.818 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 125.37 Mbit/s

95th percentile per-packet one-way delay: 115.224 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 344.55 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.00%

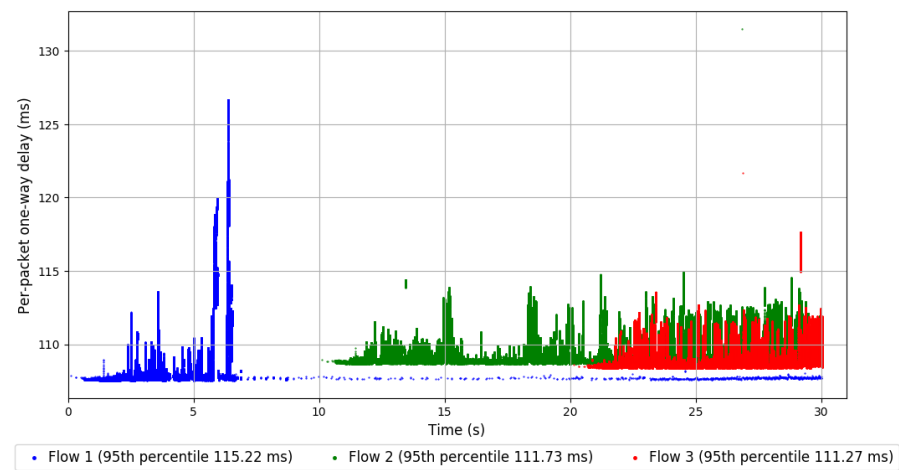
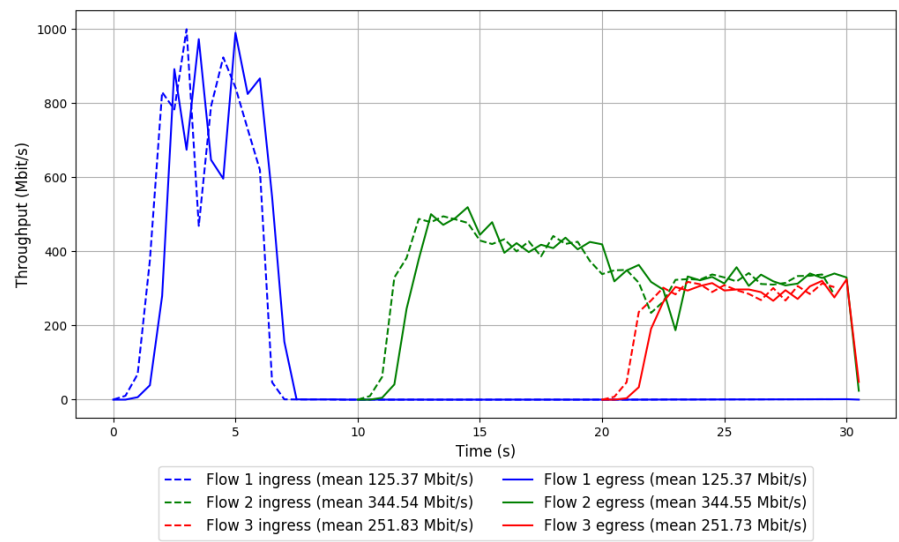
-- Flow 3:

Average throughput: 251.73 Mbit/s

95th percentile per-packet one-way delay: 111.268 ms

Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link

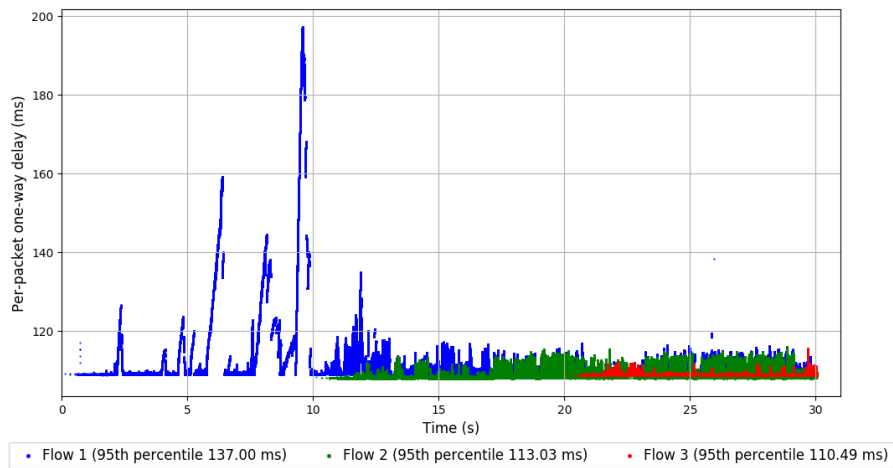
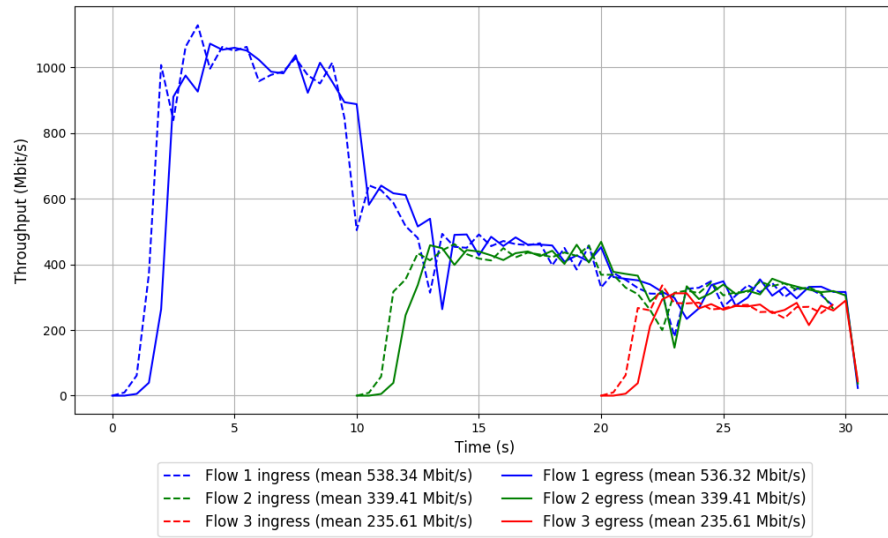


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-02 23:57:20
End at: 2019-01-02 23:57:50
Local clock offset: -0.026 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2019-01-03 02:37:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 839.91 Mbit/s
95th percentile per-packet one-way delay: 128.945 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 536.32 Mbit/s
95th percentile per-packet one-way delay: 137.005 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 339.41 Mbit/s
95th percentile per-packet one-way delay: 113.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 235.61 Mbit/s
95th percentile per-packet one-way delay: 110.486 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

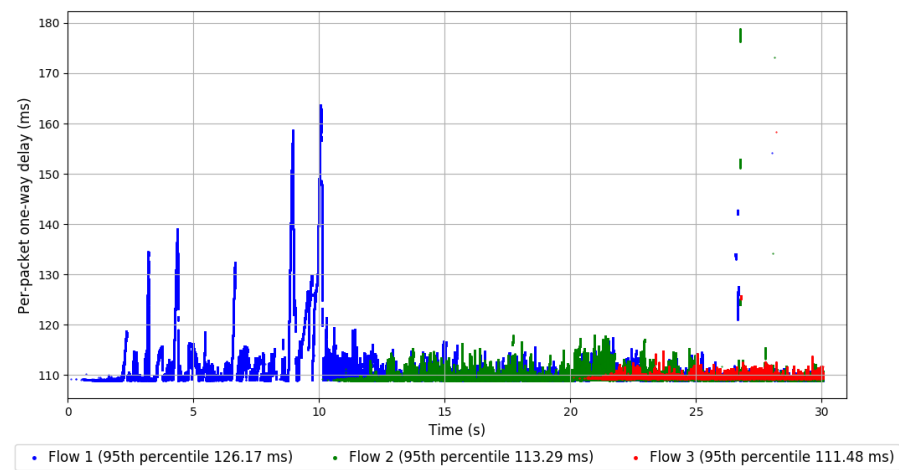
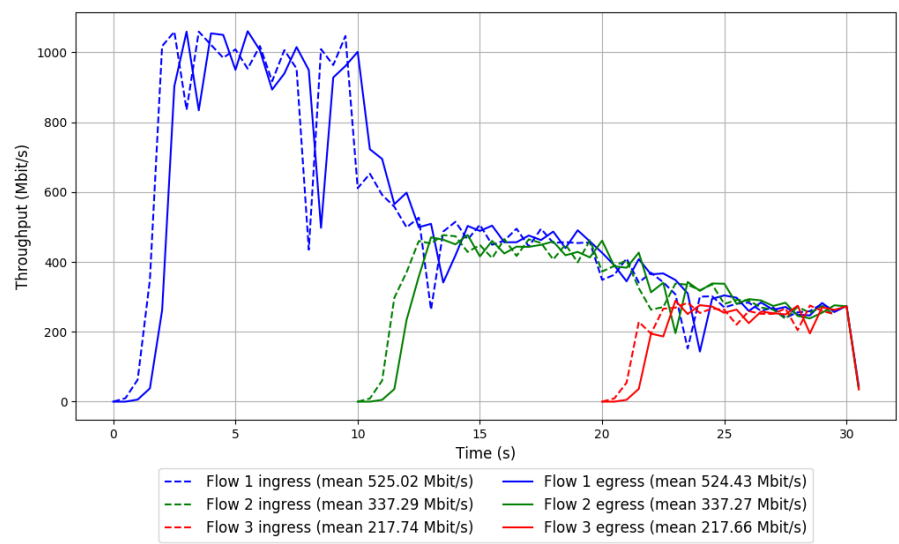


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-03 00:31:57
End at: 2019-01-03 00:32:27
Local clock offset: -0.038 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-01-03 02:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 820.78 Mbit/s
95th percentile per-packet one-way delay: 120.287 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 524.43 Mbit/s
95th percentile per-packet one-way delay: 126.169 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 337.27 Mbit/s
95th percentile per-packet one-way delay: 113.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 217.66 Mbit/s
95th percentile per-packet one-way delay: 111.483 ms
Loss rate: 0.03%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-01-03 01:06:13

End at: 2019-01-03 01:06:43

Local clock offset: -0.176 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-01-03 02:43:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 845.61 Mbit/s

95th percentile per-packet one-way delay: 132.907 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 539.82 Mbit/s

95th percentile per-packet one-way delay: 142.250 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 337.89 Mbit/s

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

Loss rate: 0.00%

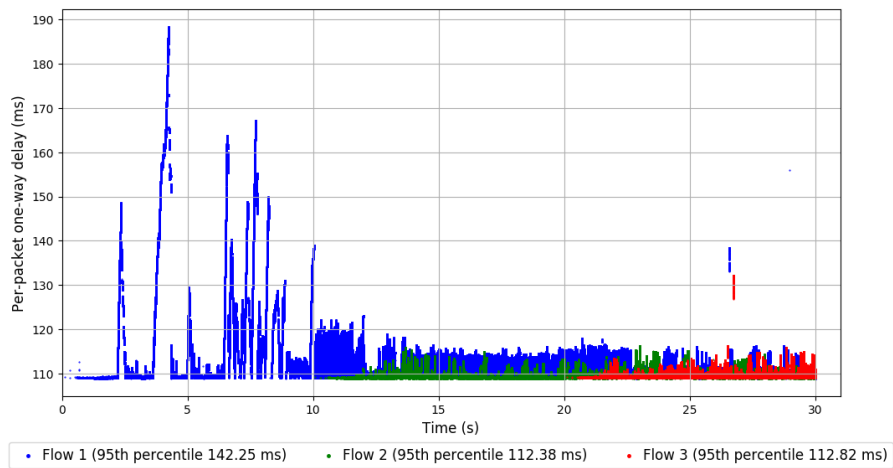
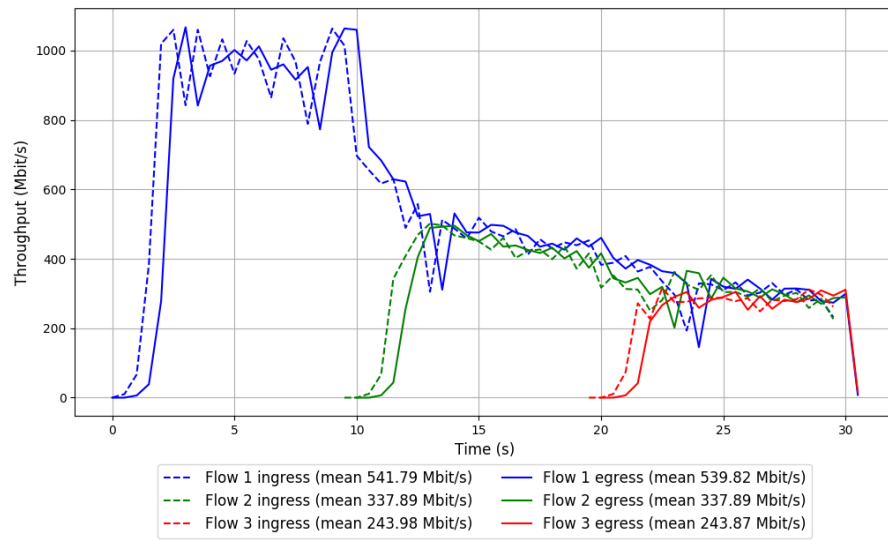
-- Flow 3:

Average throughput: 243.87 Mbit/s

95th percentile per-packet one-way delay: 112.824 ms

Loss rate: 0.04%

Run 5: Report of FillP-Sheep — Data Link

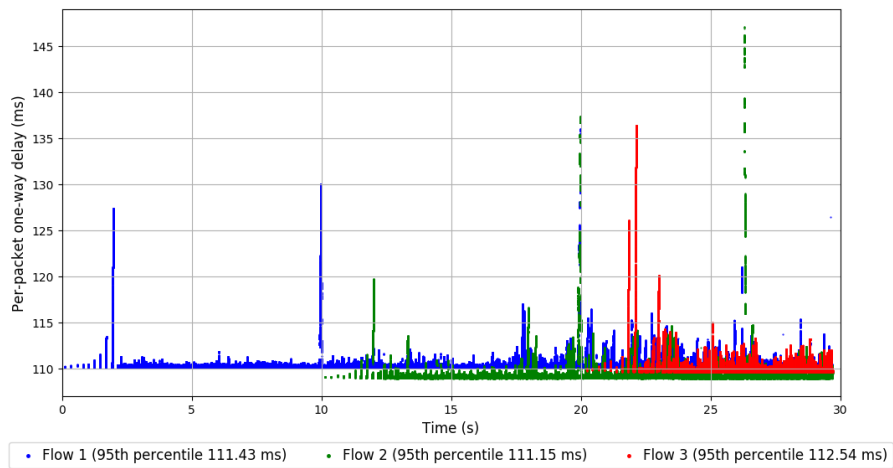
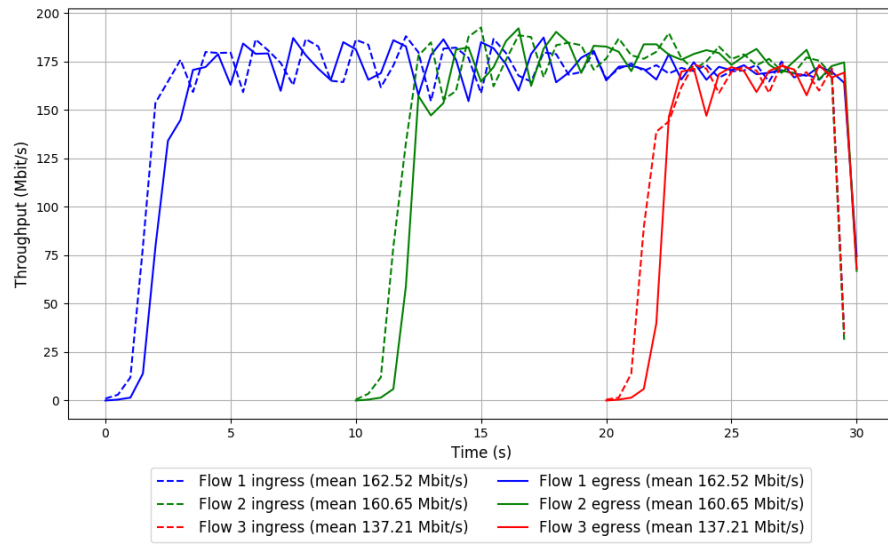


Run 1: Statistics of Indigo

Start at: 2019-01-02 22:52:36
End at: 2019-01-02 22:53:06
Local clock offset: -0.758 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-01-03 02:43:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.57 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.52 Mbit/s
95th percentile per-packet one-way delay: 111.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.65 Mbit/s
95th percentile per-packet one-way delay: 111.148 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 137.21 Mbit/s
95th percentile per-packet one-way delay: 112.544 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-02 23:27:33

End at: 2019-01-02 23:28:03

Local clock offset: 0.765 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-01-03 02:43:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.25 Mbit/s

95th percentile per-packet one-way delay: 108.937 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 156.34 Mbit/s

95th percentile per-packet one-way delay: 108.315 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.59 Mbit/s

95th percentile per-packet one-way delay: 109.371 ms

Loss rate: 0.00%

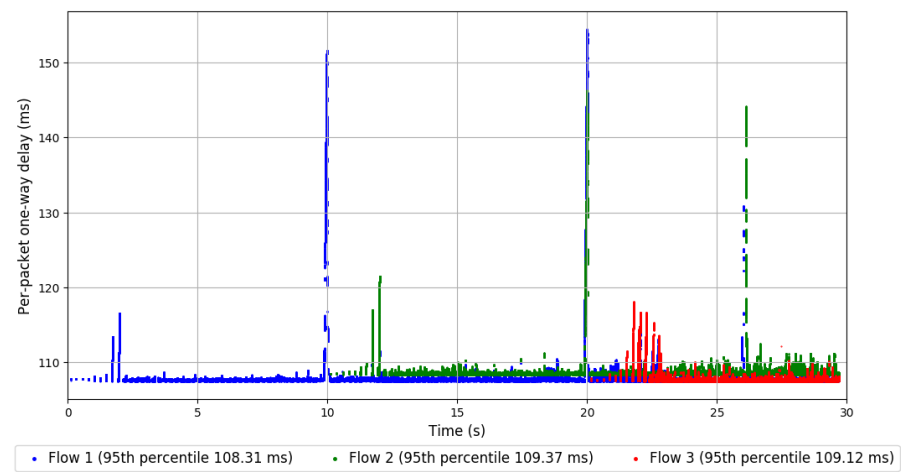
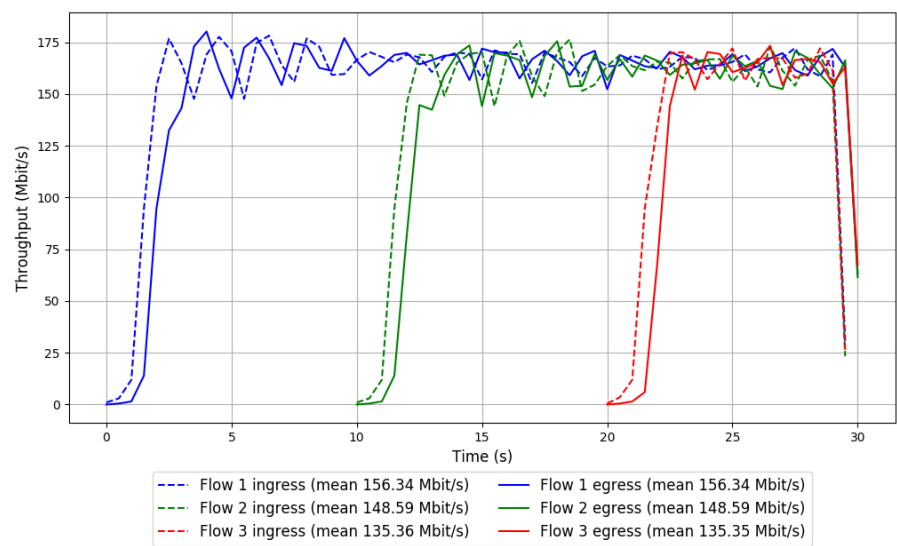
-- Flow 3:

Average throughput: 135.35 Mbit/s

95th percentile per-packet one-way delay: 109.119 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

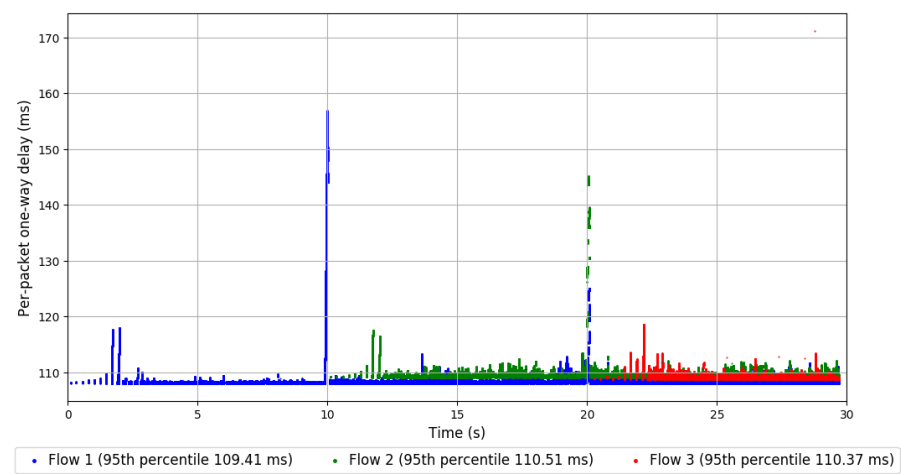
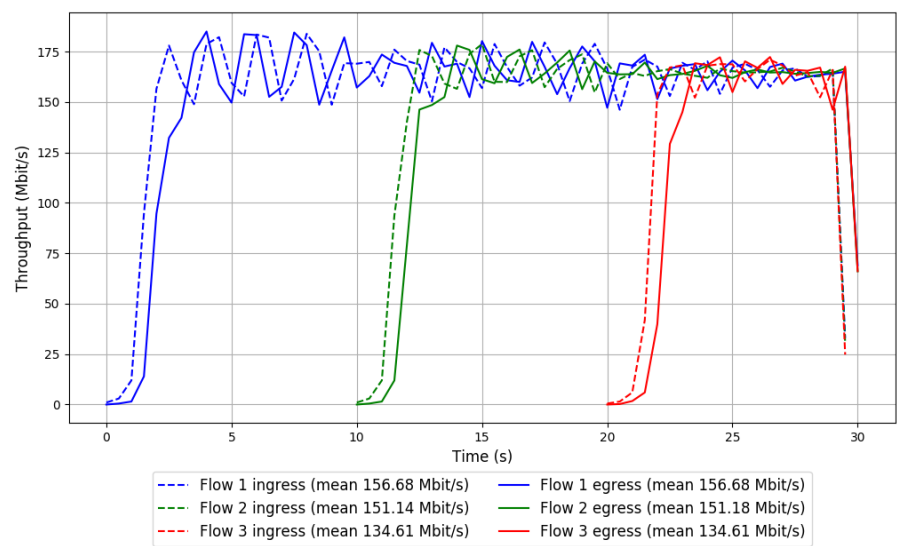


Run 3: Statistics of Indigo

Start at: 2019-01-03 00:02:27
End at: 2019-01-03 00:02:57
Local clock offset: 0.217 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2019-01-03 02:43:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.43 Mbit/s
95th percentile per-packet one-way delay: 110.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.68 Mbit/s
95th percentile per-packet one-way delay: 109.406 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.18 Mbit/s
95th percentile per-packet one-way delay: 110.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.61 Mbit/s
95th percentile per-packet one-way delay: 110.373 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

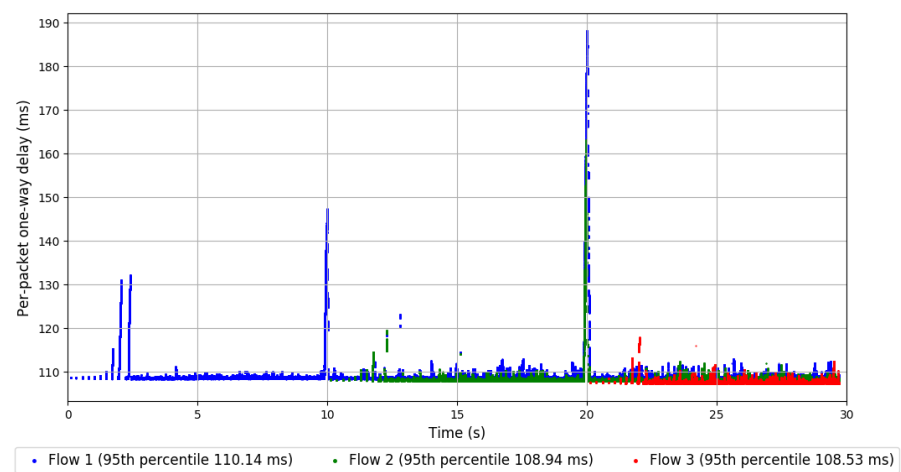
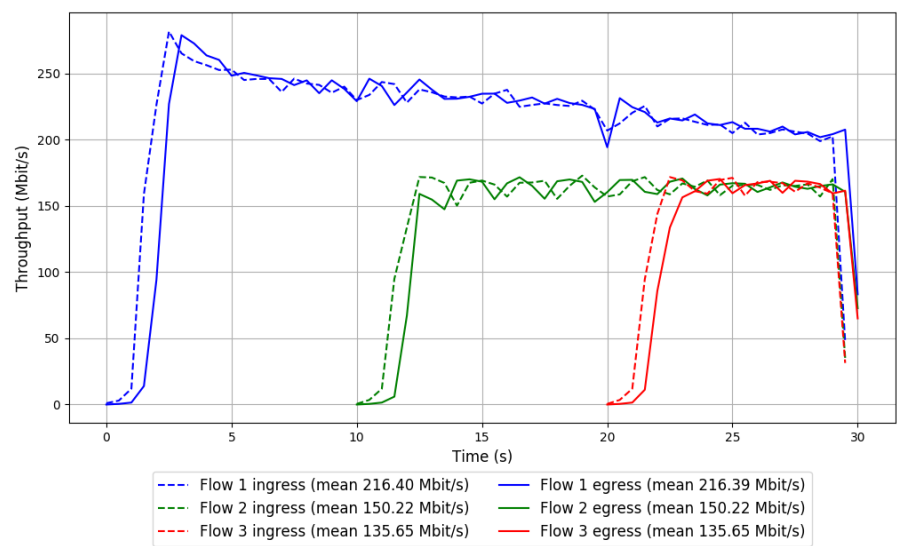


Run 4: Statistics of Indigo

Start at: 2019-01-03 00:37:01
End at: 2019-01-03 00:37:31
Local clock offset: 0.58 ms
Remote clock offset: -0.527 ms

Below is generated by plot.py at 2019-01-03 02:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.61 Mbit/s
95th percentile per-packet one-way delay: 109.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.39 Mbit/s
95th percentile per-packet one-way delay: 110.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.22 Mbit/s
95th percentile per-packet one-way delay: 108.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.65 Mbit/s
95th percentile per-packet one-way delay: 108.533 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

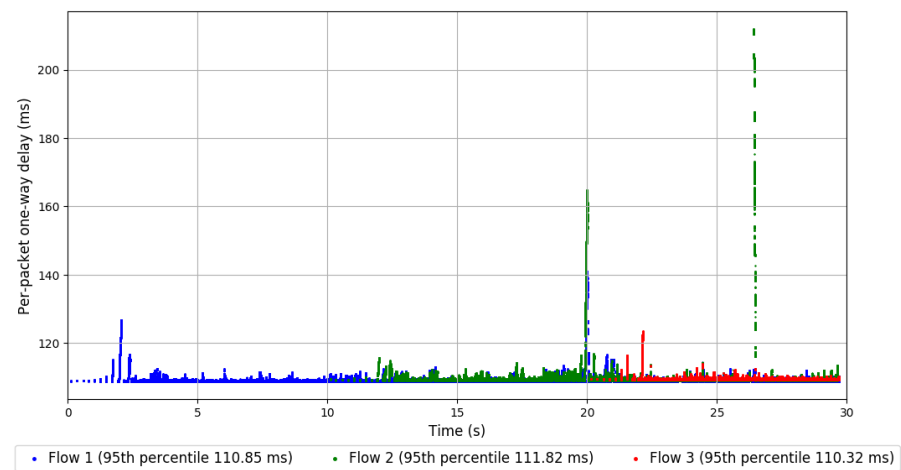
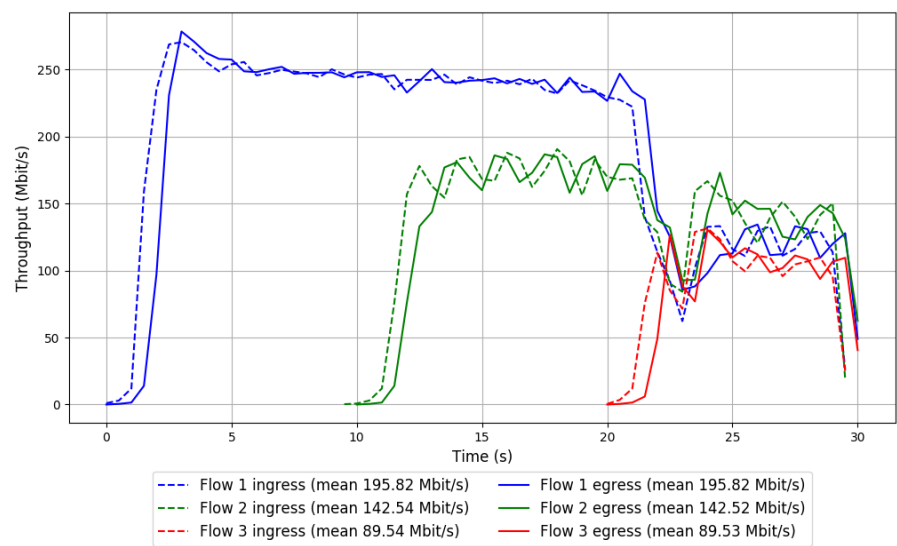


Run 5: Statistics of Indigo

Start at: 2019-01-03 01:11:38
End at: 2019-01-03 01:12:08
Local clock offset: 0.111 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-01-03 02:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.80 Mbit/s
95th percentile per-packet one-way delay: 111.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.82 Mbit/s
95th percentile per-packet one-way delay: 110.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 111.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 110.317 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

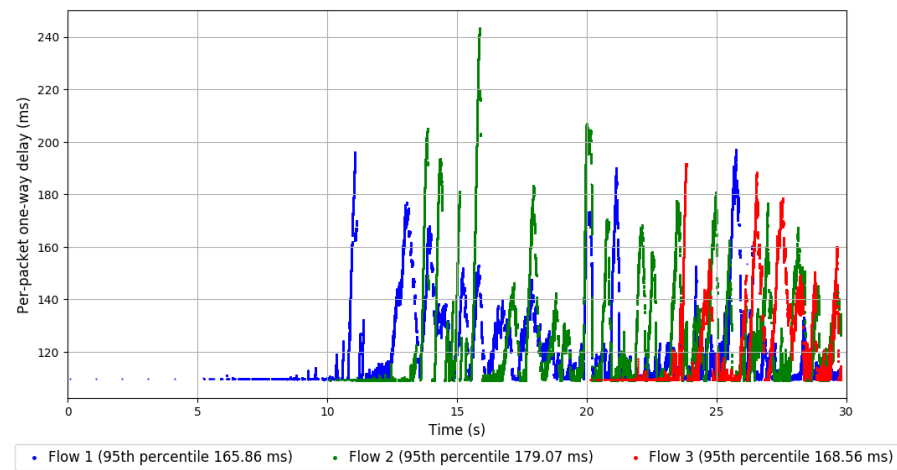
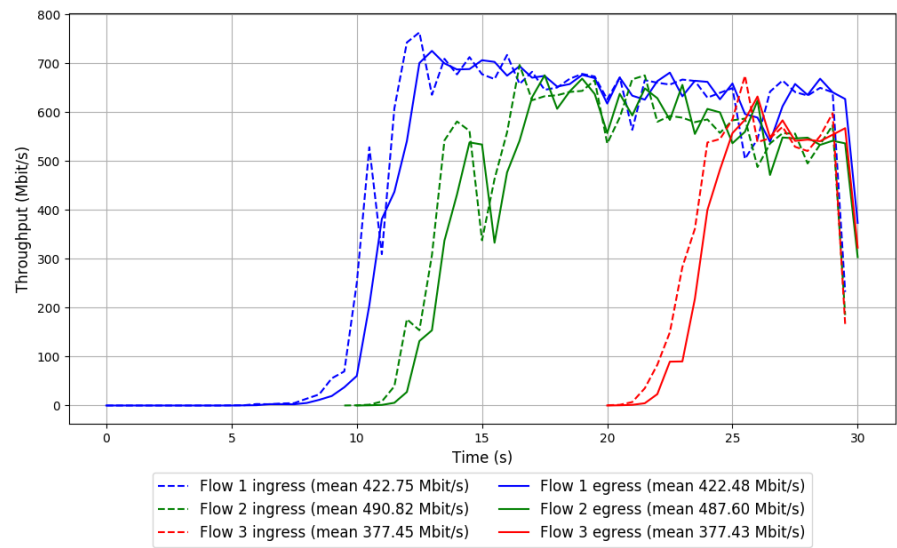


Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-02 22:45:08
End at: 2019-01-02 22:45:38
Local clock offset: -0.184 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-01-03 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 868.77 Mbit/s
95th percentile per-packet one-way delay: 170.718 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 422.48 Mbit/s
95th percentile per-packet one-way delay: 165.859 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 487.60 Mbit/s
95th percentile per-packet one-way delay: 179.073 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 377.43 Mbit/s
95th percentile per-packet one-way delay: 168.556 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-02 23:20:29

End at: 2019-01-02 23:20:59

Local clock offset: 0.071 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-01-03 02:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1034.43 Mbit/s

95th percentile per-packet one-way delay: 169.881 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 574.73 Mbit/s

95th percentile per-packet one-way delay: 174.058 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 560.75 Mbit/s

95th percentile per-packet one-way delay: 148.213 ms

Loss rate: 0.15%

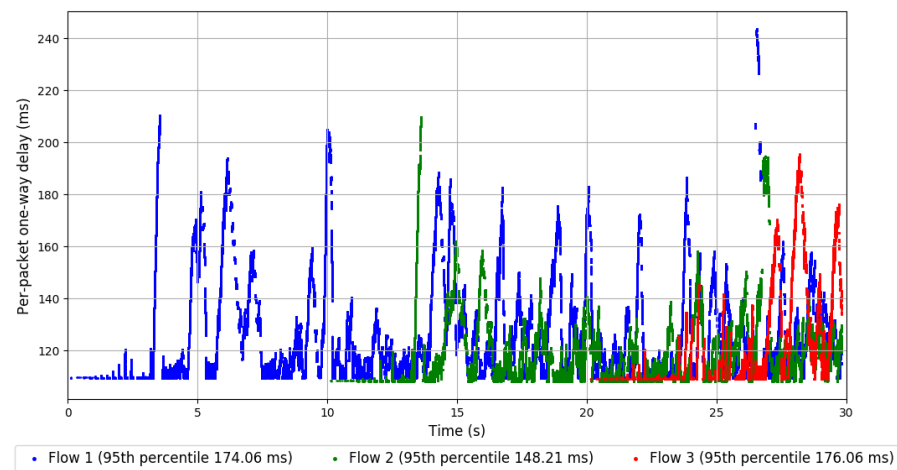
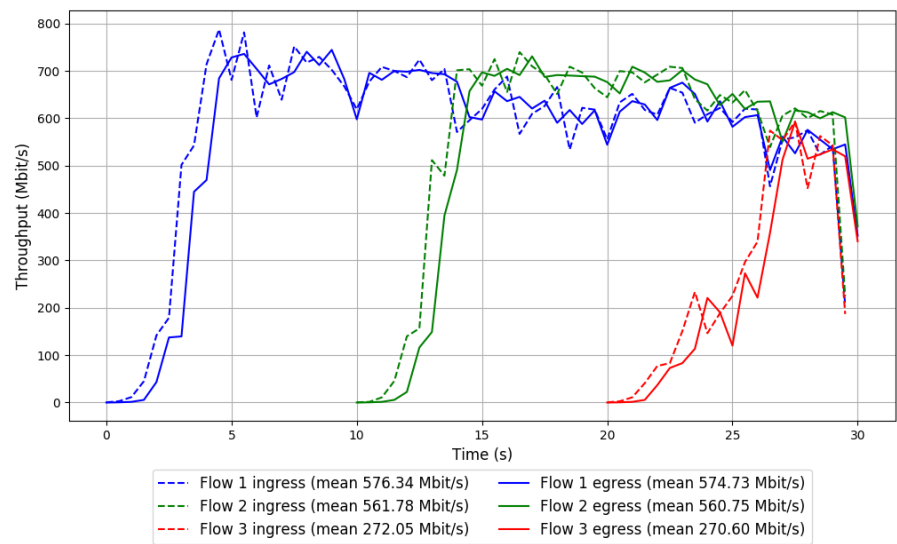
-- Flow 3:

Average throughput: 270.60 Mbit/s

95th percentile per-packet one-way delay: 176.065 ms

Loss rate: 0.47%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-02 23:55:05

End at: 2019-01-02 23:55:35

Local clock offset: 0.287 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-01-03 02:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1037.82 Mbit/s

95th percentile per-packet one-way delay: 167.407 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 611.57 Mbit/s

95th percentile per-packet one-way delay: 164.881 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 507.80 Mbit/s

95th percentile per-packet one-way delay: 167.146 ms

Loss rate: 0.60%

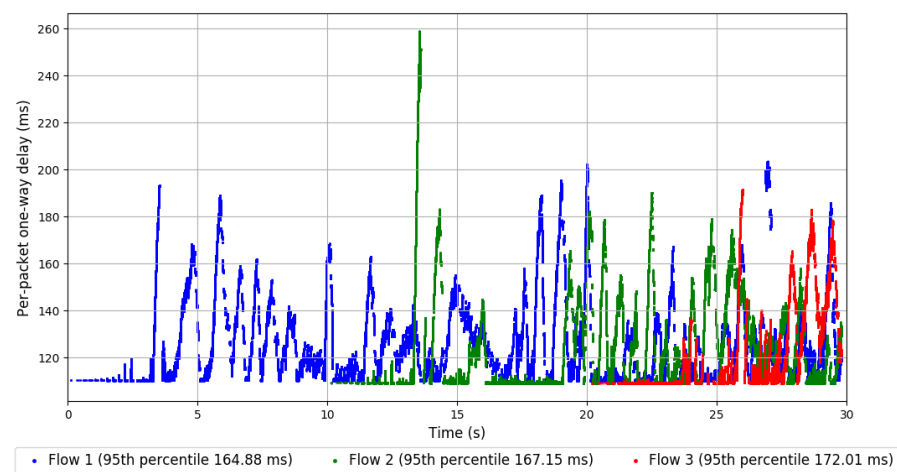
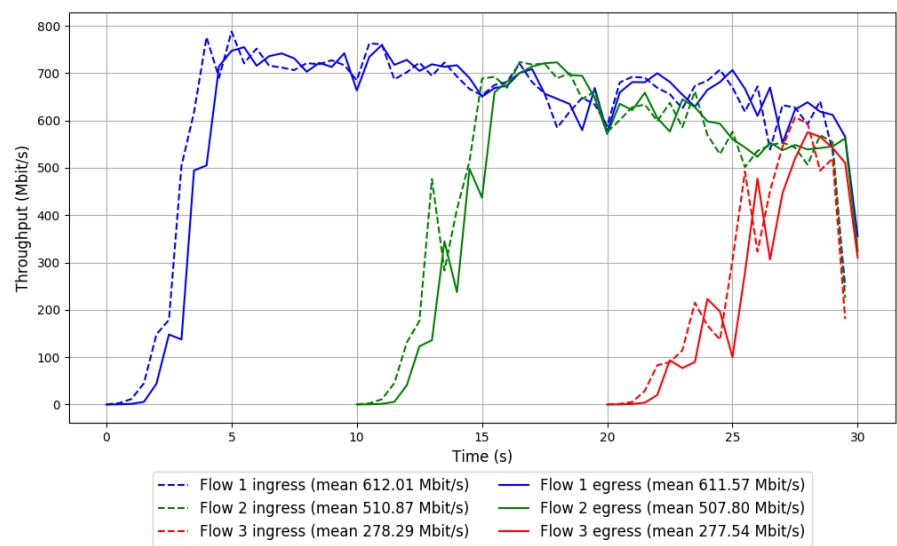
-- Flow 3:

Average throughput: 277.54 Mbit/s

95th percentile per-packet one-way delay: 172.006 ms

Loss rate: 0.28%

Run 3: Report of Indigo-MusesD — Data Link

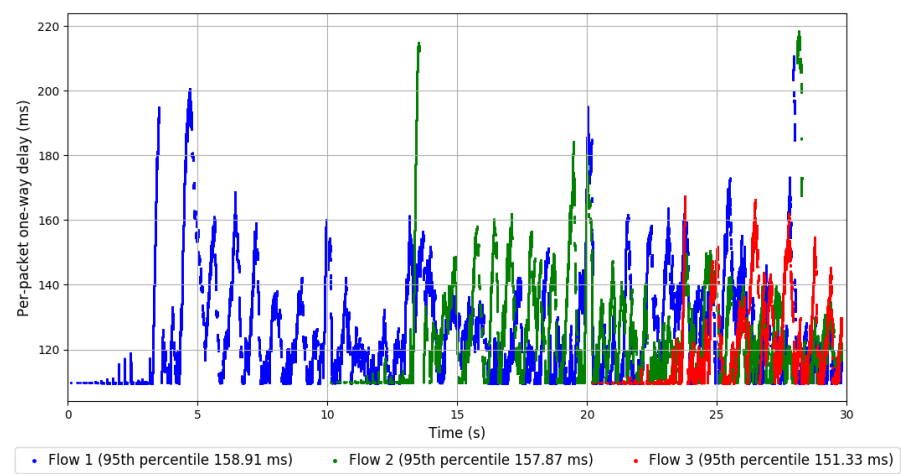
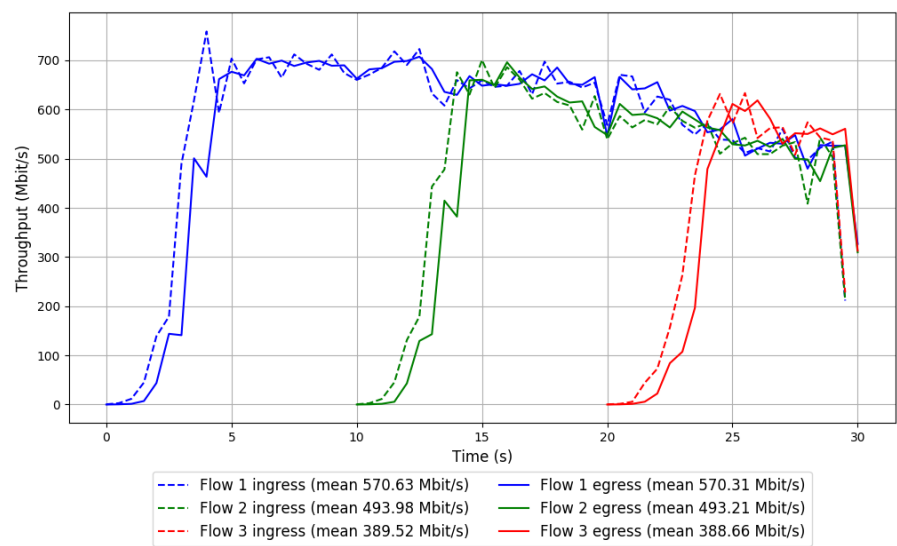


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-03 00:29:42
End at: 2019-01-03 00:30:12
Local clock offset: -0.029 ms
Remote clock offset: 0.302 ms

Below is generated by plot.py at 2019-01-03 02:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1022.86 Mbit/s
95th percentile per-packet one-way delay: 157.730 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 570.31 Mbit/s
95th percentile per-packet one-way delay: 158.909 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 493.21 Mbit/s
95th percentile per-packet one-way delay: 157.873 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 388.66 Mbit/s
95th percentile per-packet one-way delay: 151.328 ms
Loss rate: 0.19%

Run 4: Report of Indigo-MusesD — Data Link

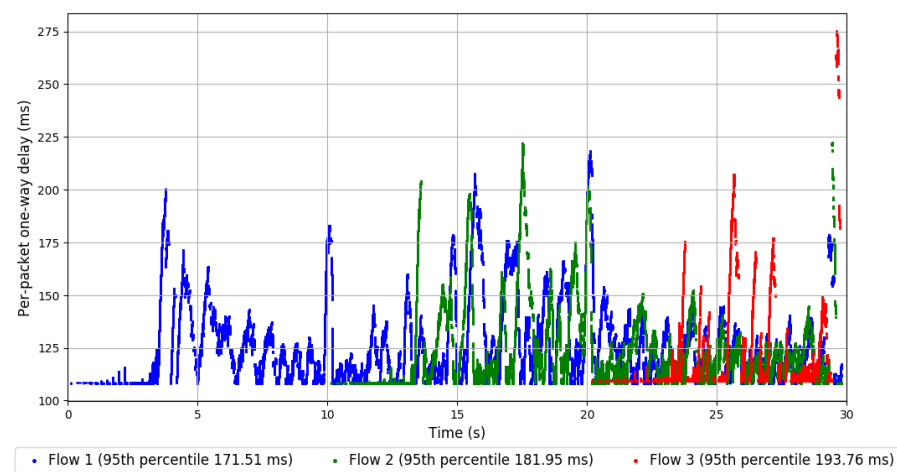
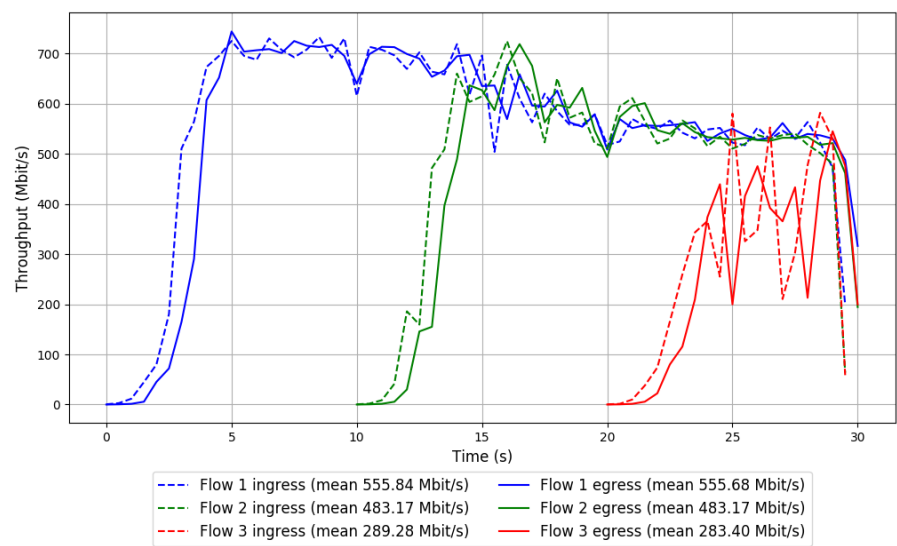


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-03 01:04:02
End at: 2019-01-03 01:04:32
Local clock offset: 0.019 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-01-03 02:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 966.91 Mbit/s
95th percentile per-packet one-way delay: 174.976 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 555.68 Mbit/s
95th percentile per-packet one-way delay: 171.509 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 483.17 Mbit/s
95th percentile per-packet one-way delay: 181.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 283.40 Mbit/s
95th percentile per-packet one-way delay: 193.758 ms
Loss rate: 1.27%

Run 5: Report of Indigo-MusesD — Data Link

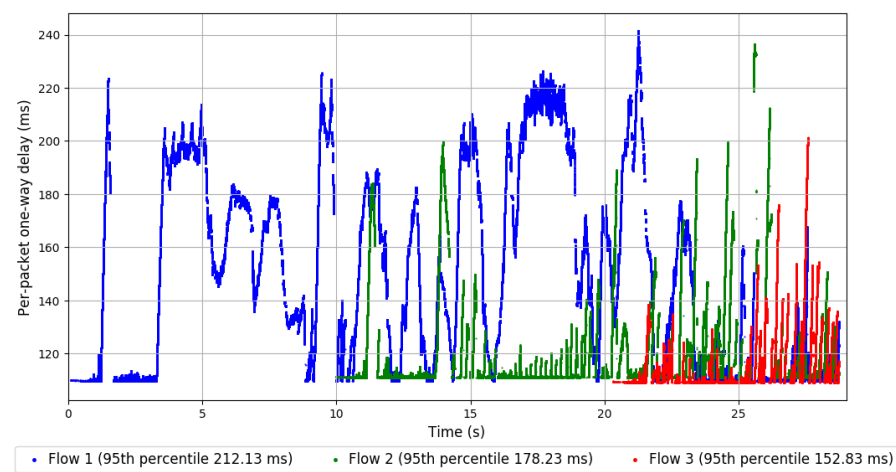
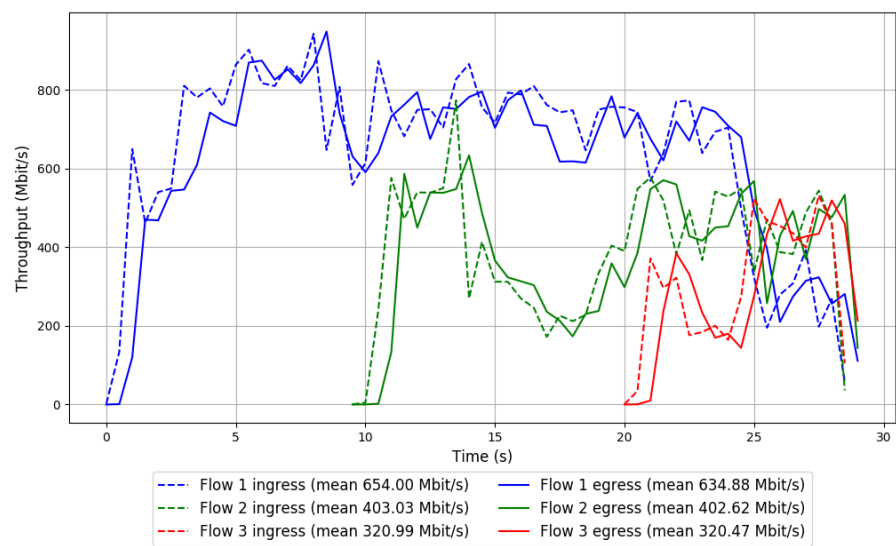


Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-02 22:50:25
End at: 2019-01-02 22:50:55
Local clock offset: -0.816 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-01-03 03:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 992.78 Mbit/s
95th percentile per-packet one-way delay: 207.441 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 634.88 Mbit/s
95th percentile per-packet one-way delay: 212.133 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 402.62 Mbit/s
95th percentile per-packet one-way delay: 178.228 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 320.47 Mbit/s
95th percentile per-packet one-way delay: 152.828 ms
Loss rate: 0.15%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-02 23:25:37

End at: 2019-01-02 23:26:07

Local clock offset: -1.353 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-01-03 03:02:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 699.09 Mbit/s

95th percentile per-packet one-way delay: 179.130 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 370.53 Mbit/s

95th percentile per-packet one-way delay: 179.346 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 400.53 Mbit/s

95th percentile per-packet one-way delay: 181.622 ms

Loss rate: 0.57%

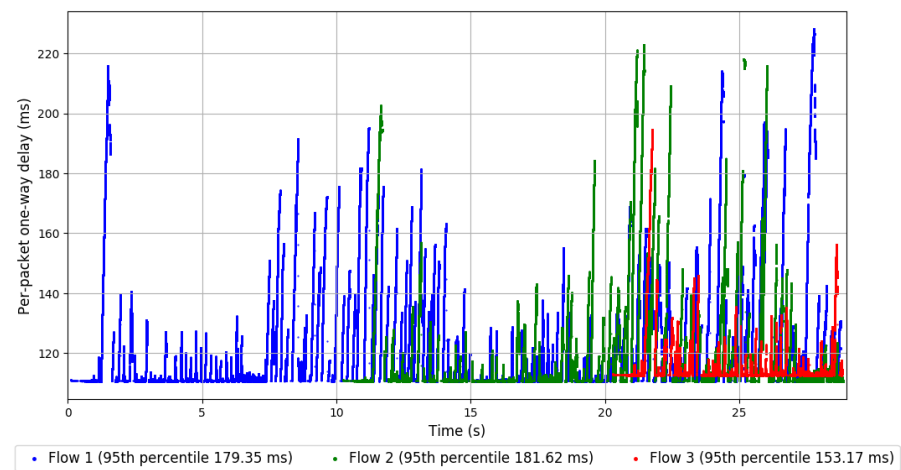
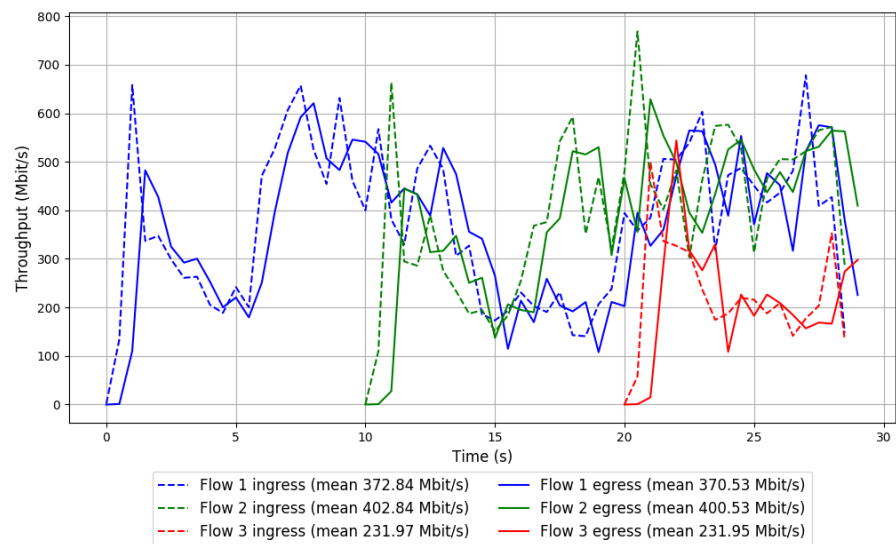
-- Flow 3:

Average throughput: 231.95 Mbit/s

95th percentile per-packet one-way delay: 153.168 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

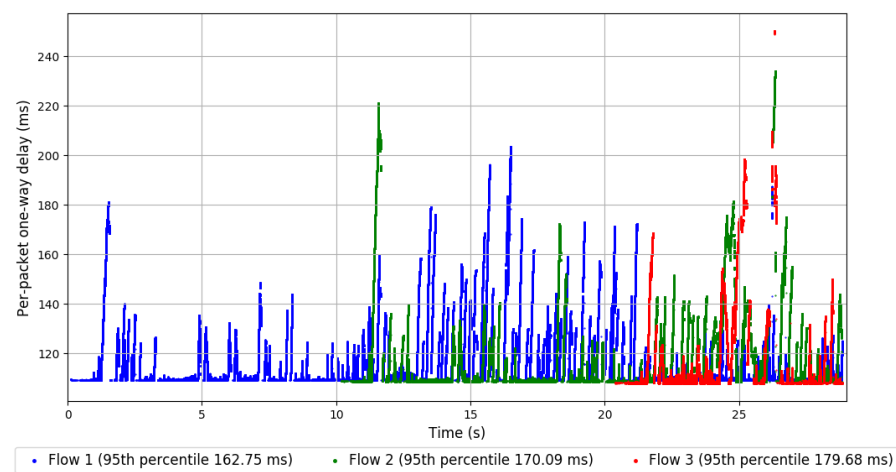
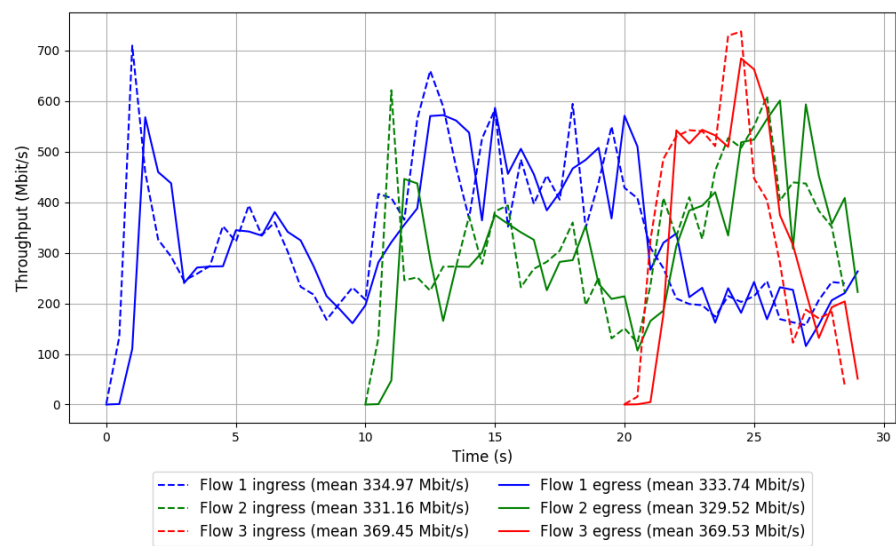


Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-03 00:00:34
End at: 2019-01-03 00:01:04
Local clock offset: 0.159 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-01-03 03:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 656.46 Mbit/s
95th percentile per-packet one-way delay: 169.248 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 333.74 Mbit/s
95th percentile per-packet one-way delay: 162.753 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 329.52 Mbit/s
95th percentile per-packet one-way delay: 170.092 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 369.53 Mbit/s
95th percentile per-packet one-way delay: 179.682 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link

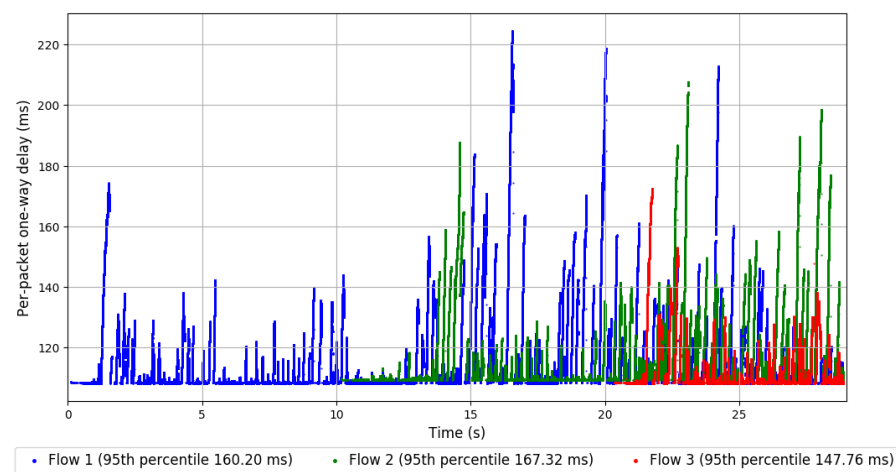
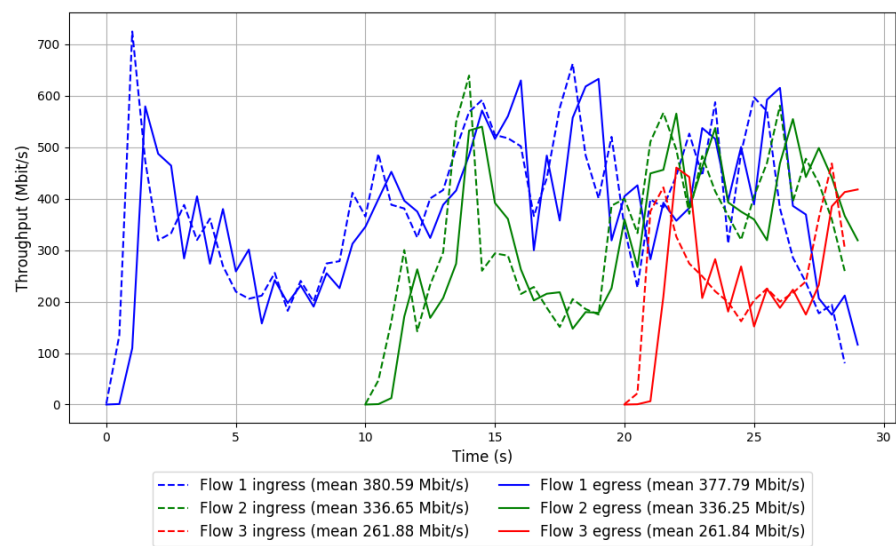


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-03 00:35:07
End at: 2019-01-03 00:35:37
Local clock offset: -0.127 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-01-03 03:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 673.82 Mbit/s
95th percentile per-packet one-way delay: 161.052 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 377.79 Mbit/s
95th percentile per-packet one-way delay: 160.204 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 336.25 Mbit/s
95th percentile per-packet one-way delay: 167.323 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 261.84 Mbit/s
95th percentile per-packet one-way delay: 147.761 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link

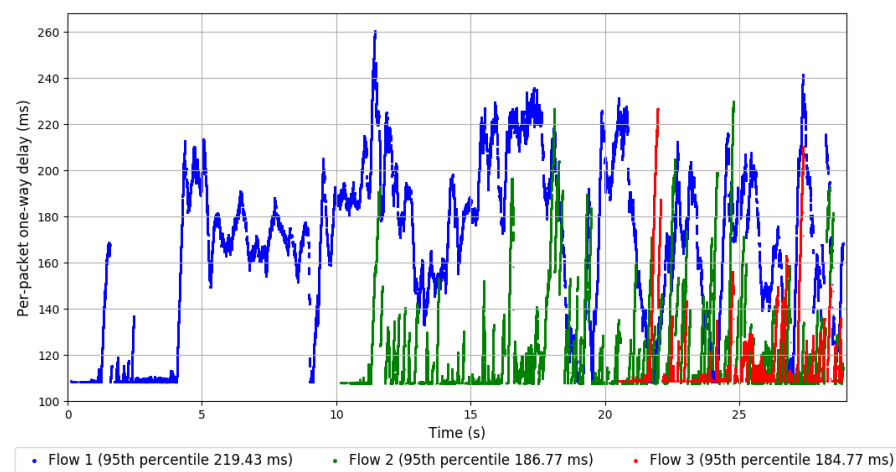
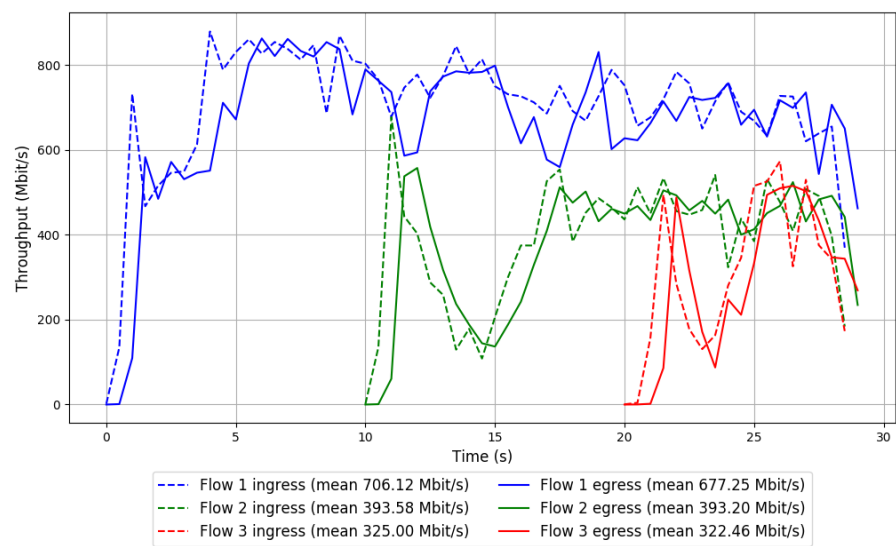


Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-03 01:09:25
End at: 2019-01-03 01:09:55
Local clock offset: 0.598 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-01-03 03:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1026.20 Mbit/s
95th percentile per-packet one-way delay: 215.137 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 677.25 Mbit/s
95th percentile per-packet one-way delay: 219.430 ms
Loss rate: 4.08%
-- Flow 2:
Average throughput: 393.20 Mbit/s
95th percentile per-packet one-way delay: 186.773 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 322.46 Mbit/s
95th percentile per-packet one-way delay: 184.774 ms
Loss rate: 0.78%

Run 5: Report of Indigo-MusesT — Data Link

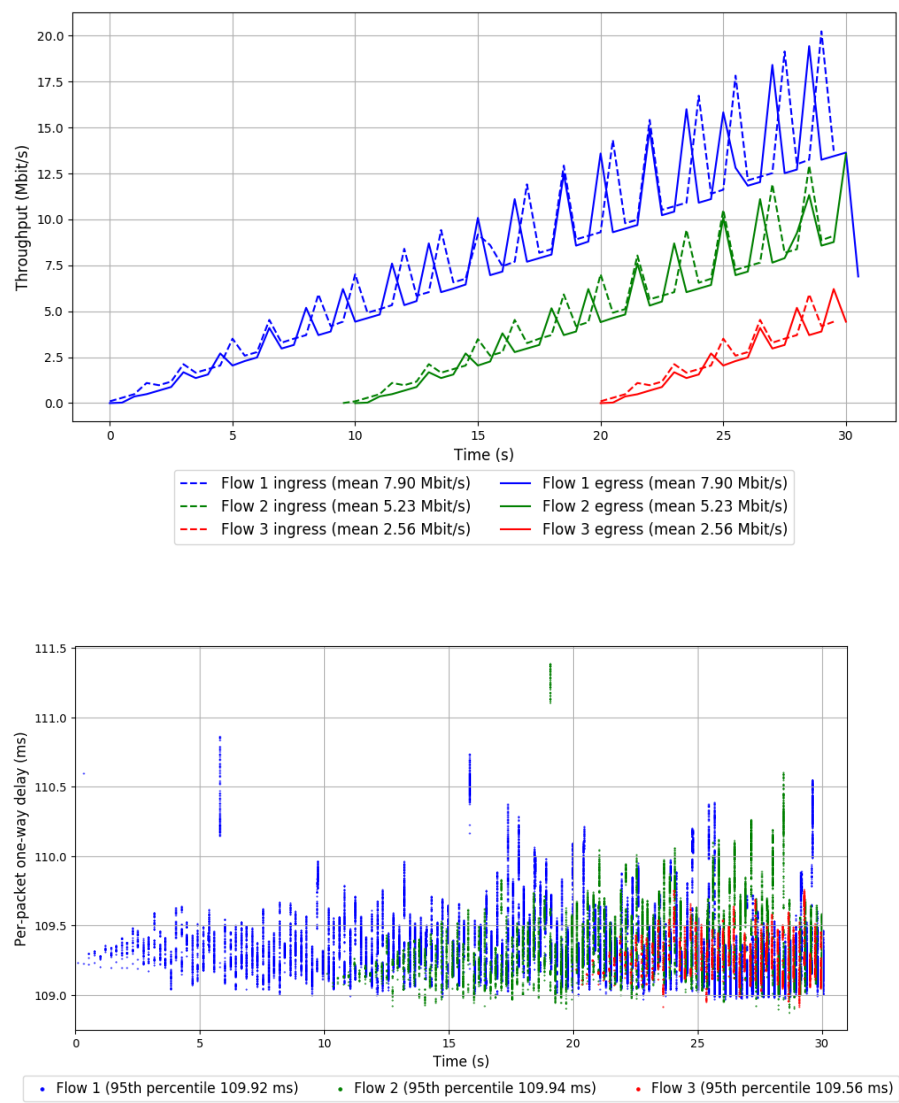


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-02 23:01:46
End at: 2019-01-02 23:02:16
Local clock offset: -0.746 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-01-03 03:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 109.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 109.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 109.942 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 109.558 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-02 23:36:39

End at: 2019-01-02 23:37:09

Local clock offset: 0.574 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2019-01-03 03:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 109.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 109.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 108.822 ms

Loss rate: 0.00%

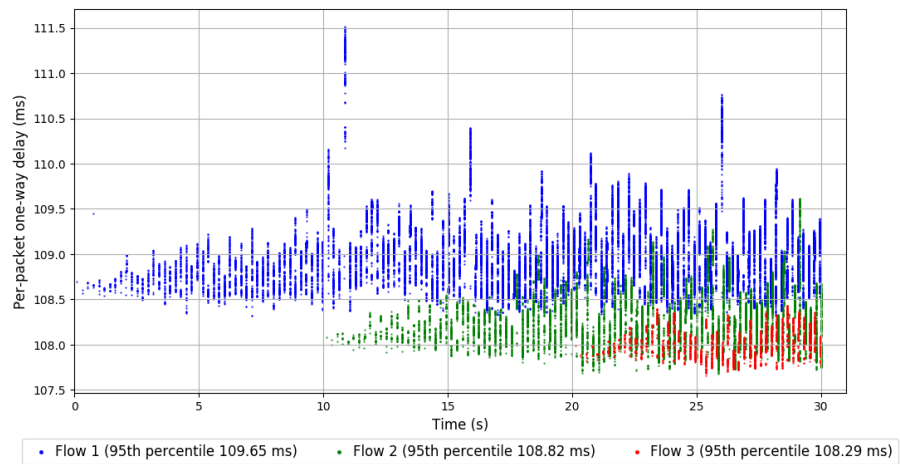
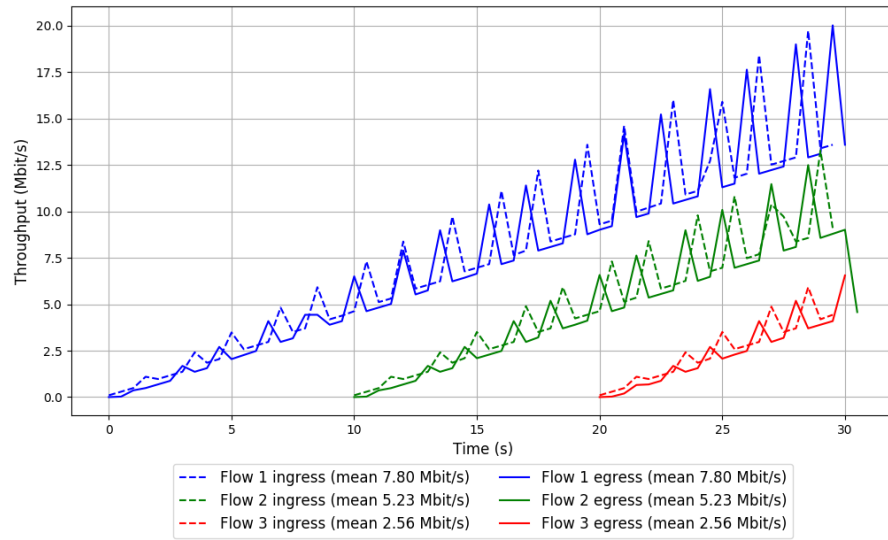
-- Flow 3:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 108.294 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-01-03 00:11:04

End at: 2019-01-03 00:11:34

Local clock offset: 0.049 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2019-01-03 03:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 110.094 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 110.209 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 109.955 ms

Loss rate: 0.00%

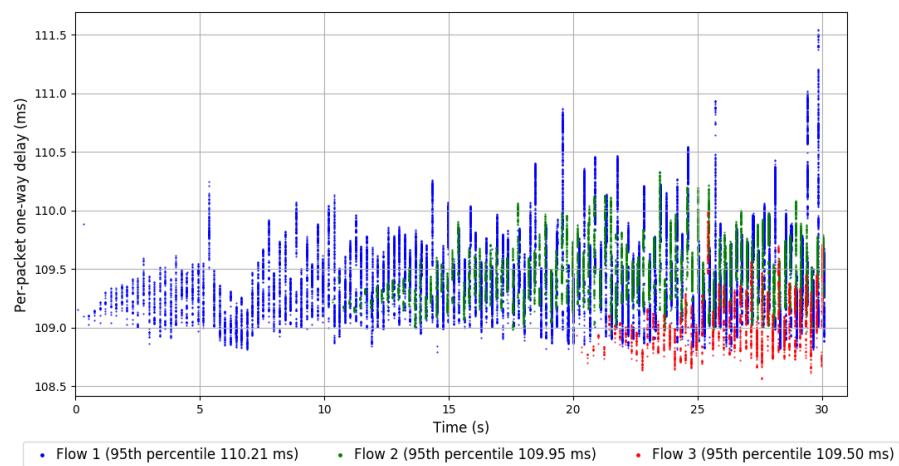
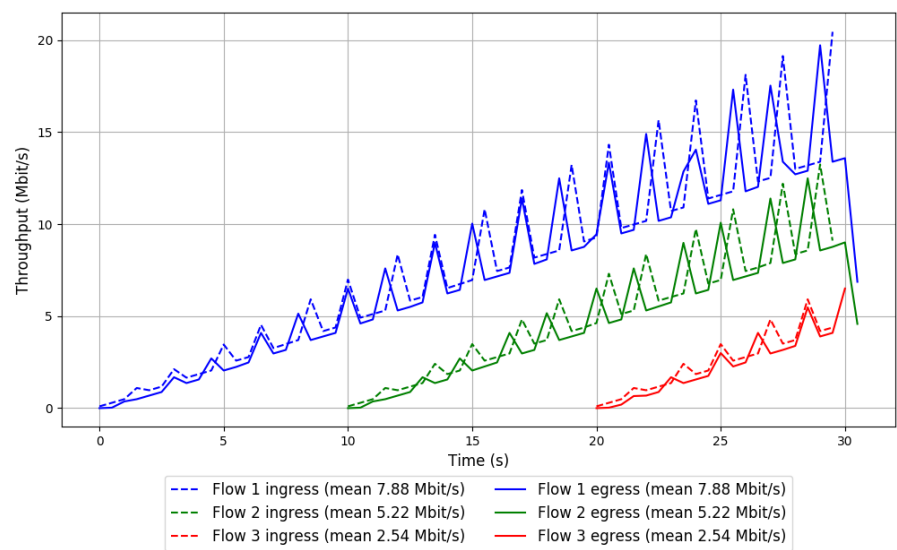
-- Flow 3:

Average throughput: 2.54 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

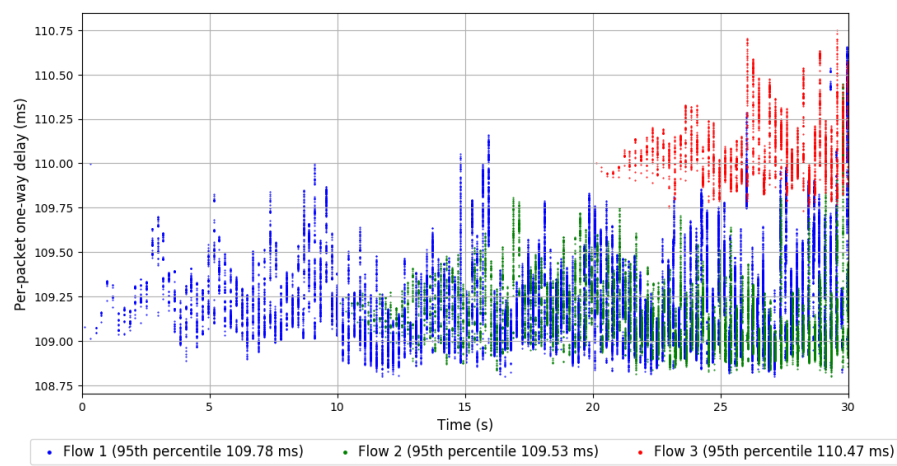
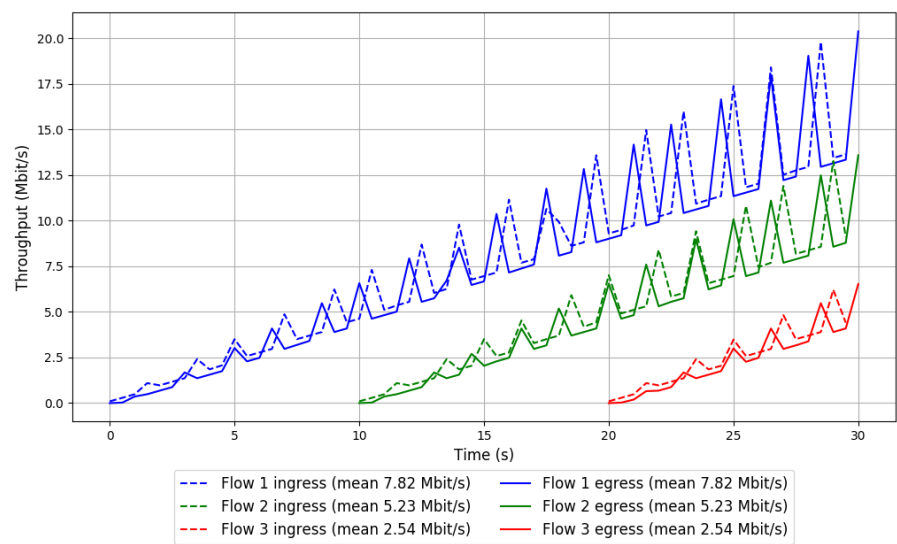


Run 4: Statistics of LEDBAT

Start at: 2019-01-03 00:46:02
End at: 2019-01-03 00:46:32
Local clock offset: -0.613 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-01-03 03:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 110.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 109.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 109.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 110.470 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-03 01:20:51

End at: 2019-01-03 01:21:21

Local clock offset: -0.693 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-01-03 03:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 110.564 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 110.052 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 110.437 ms

Loss rate: 0.00%

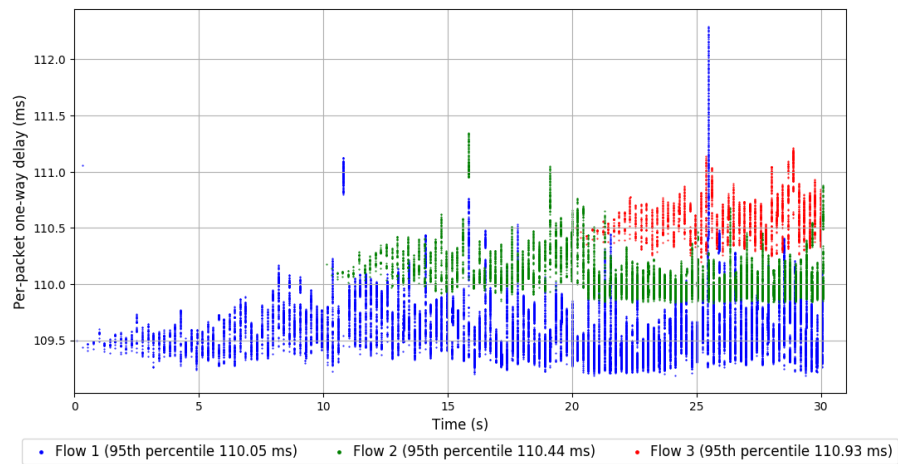
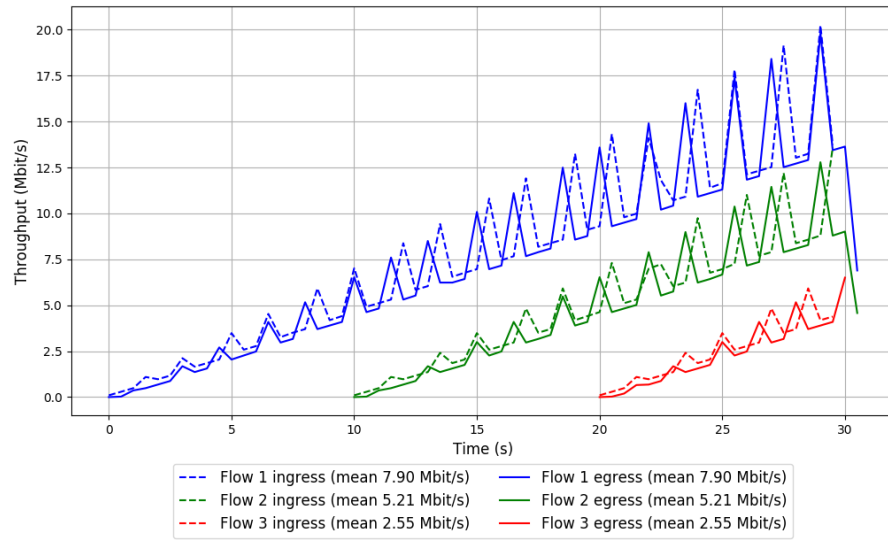
-- Flow 3:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 110.933 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

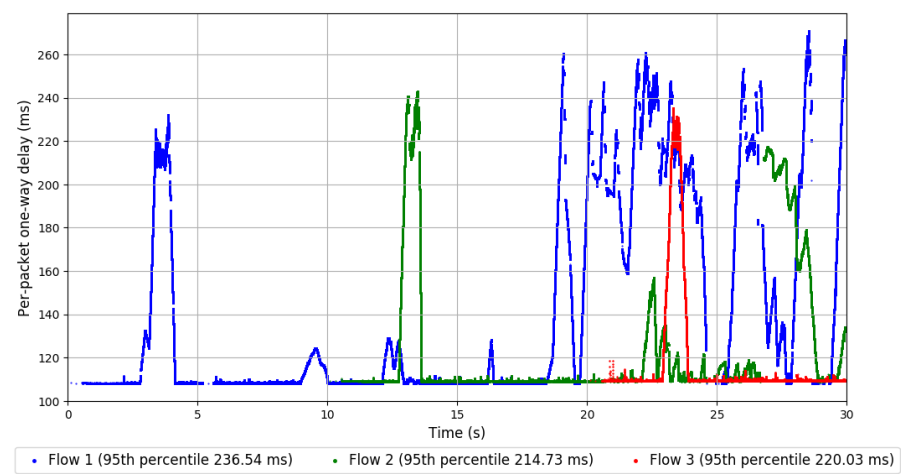
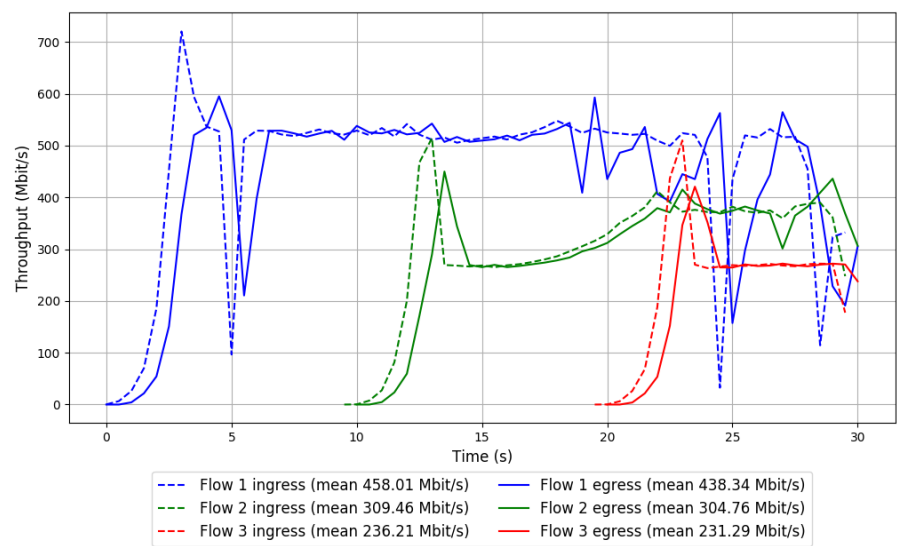


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-02 22:34:05
End at: 2019-01-02 22:34:35
Local clock offset: 0.045 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-01-03 03:24:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 717.37 Mbit/s
95th percentile per-packet one-way delay: 227.543 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 438.34 Mbit/s
95th percentile per-packet one-way delay: 236.537 ms
Loss rate: 4.30%
-- Flow 2:
Average throughput: 304.76 Mbit/s
95th percentile per-packet one-way delay: 214.734 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 231.29 Mbit/s
95th percentile per-packet one-way delay: 220.030 ms
Loss rate: 2.08%
```

Run 1: Report of PCC-Allegro — Data Link

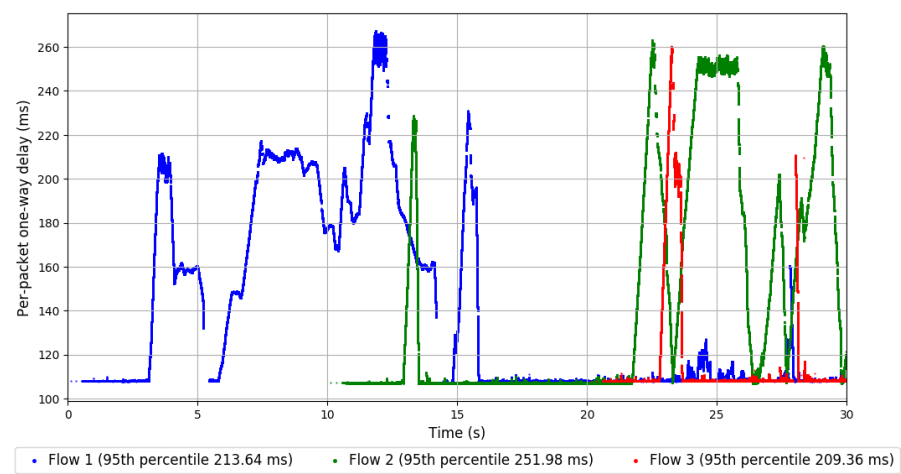
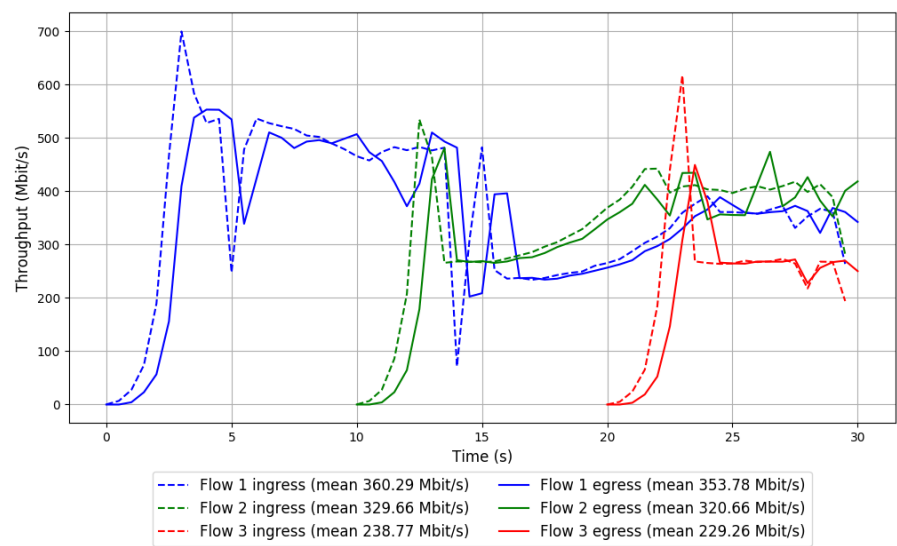


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-02 23:09:28
End at: 2019-01-02 23:09:58
Local clock offset: 1.34 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-01-03 03:24:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 642.23 Mbit/s
95th percentile per-packet one-way delay: 247.904 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 353.78 Mbit/s
95th percentile per-packet one-way delay: 213.643 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 320.66 Mbit/s
95th percentile per-packet one-way delay: 251.977 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 229.26 Mbit/s
95th percentile per-packet one-way delay: 209.363 ms
Loss rate: 3.99%

Run 2: Report of PCC-Allegro — Data Link

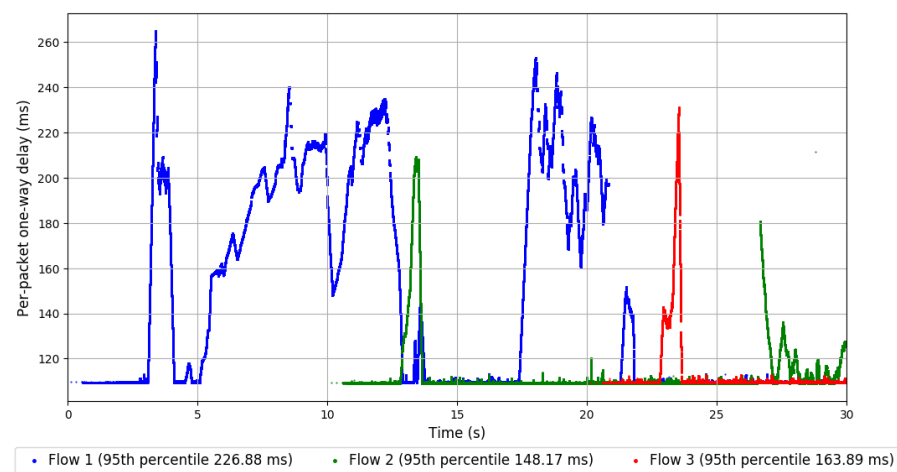
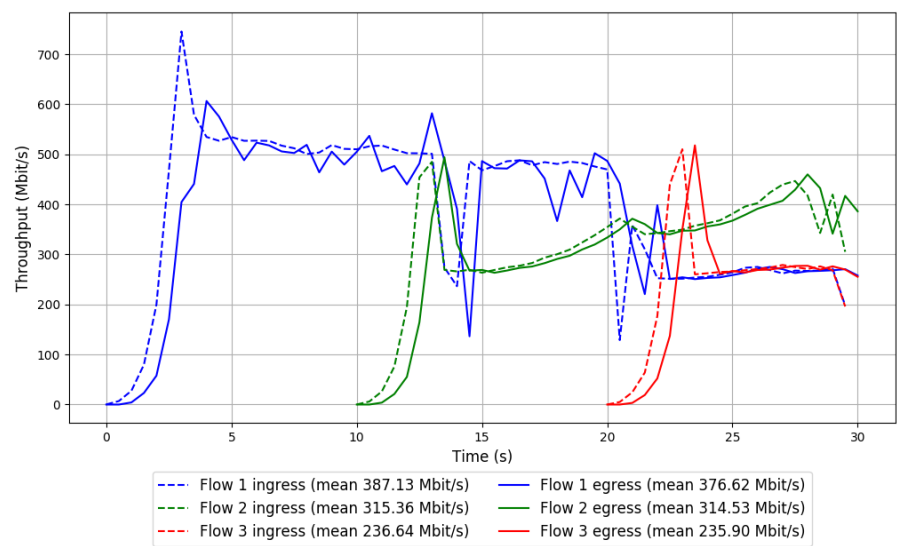


Run 3: Statistics of PCC-Allegro

Start at: 2019-01-02 23:44:24
End at: 2019-01-02 23:44:54
Local clock offset: -0.001 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-01-03 03:24:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 663.10 Mbit/s
95th percentile per-packet one-way delay: 219.149 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 376.62 Mbit/s
95th percentile per-packet one-way delay: 226.876 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 314.53 Mbit/s
95th percentile per-packet one-way delay: 148.171 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 235.90 Mbit/s
95th percentile per-packet one-way delay: 163.886 ms
Loss rate: 0.32%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-03 00:18:49

End at: 2019-01-03 00:19:19

Local clock offset: -0.574 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-01-03 03:24:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 612.73 Mbit/s

95th percentile per-packet one-way delay: 189.041 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 349.45 Mbit/s

95th percentile per-packet one-way delay: 207.109 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 287.41 Mbit/s

95th percentile per-packet one-way delay: 129.755 ms

Loss rate: 0.82%

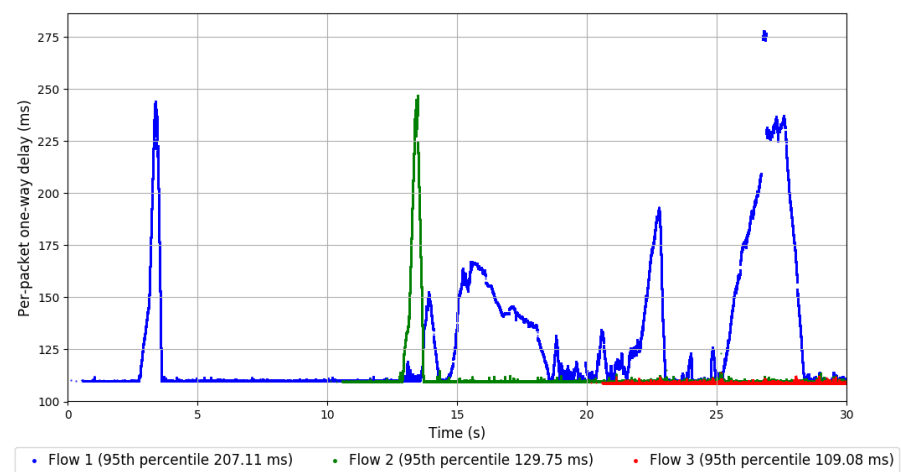
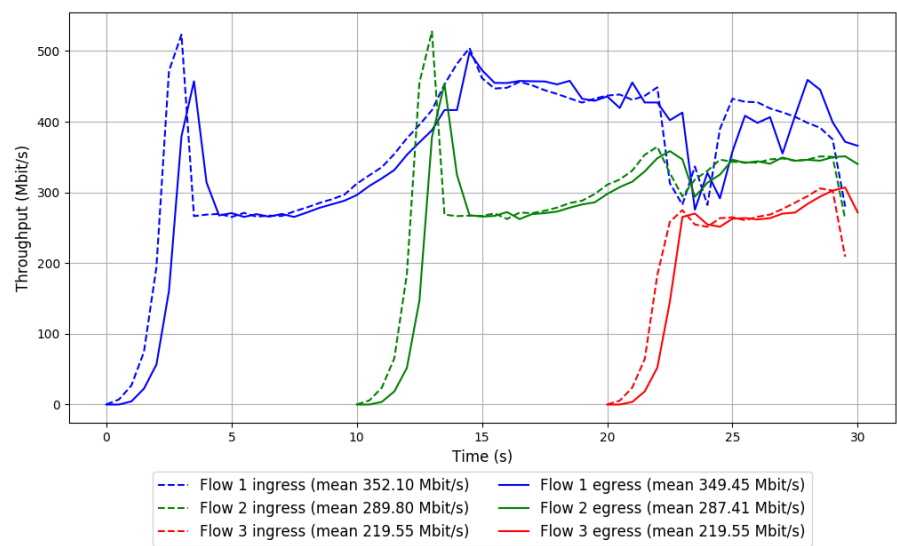
-- Flow 3:

Average throughput: 219.55 Mbit/s

95th percentile per-packet one-way delay: 109.076 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

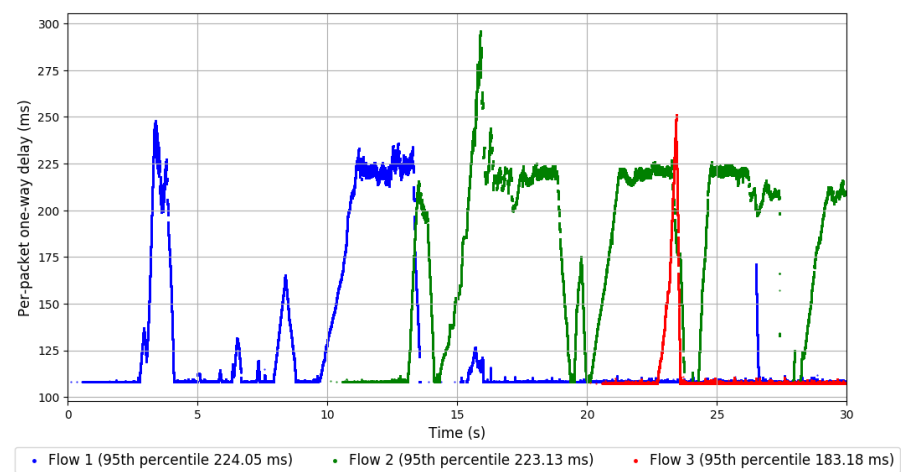
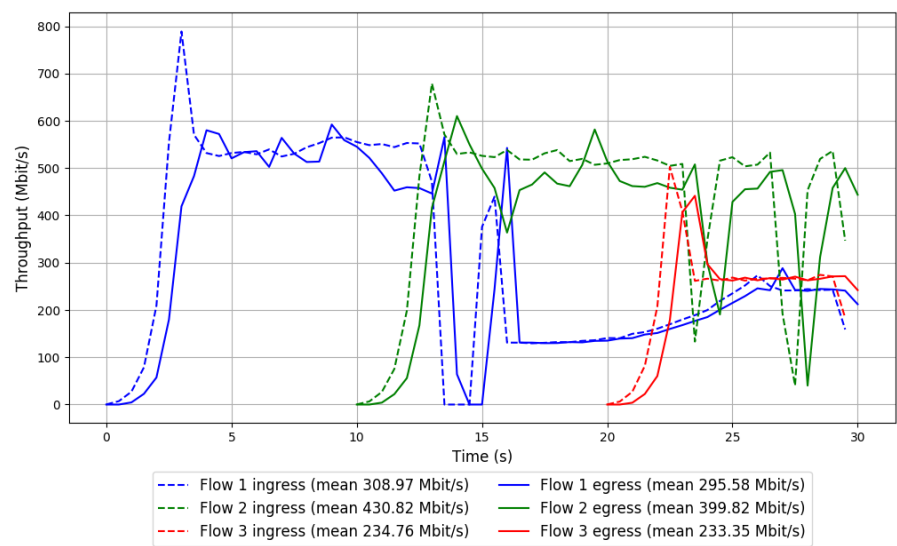


Run 5: Statistics of PCC-Allegro

Start at: 2019-01-03 00:53:35
End at: 2019-01-03 00:54:05
Local clock offset: 0.794 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-01-03 03:24:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 638.11 Mbit/s
95th percentile per-packet one-way delay: 223.226 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 295.58 Mbit/s
95th percentile per-packet one-way delay: 224.051 ms
Loss rate: 4.34%
-- Flow 2:
Average throughput: 399.82 Mbit/s
95th percentile per-packet one-way delay: 223.130 ms
Loss rate: 7.19%
-- Flow 3:
Average throughput: 233.35 Mbit/s
95th percentile per-packet one-way delay: 183.177 ms
Loss rate: 0.60%

Run 5: Report of PCC-Allegro — Data Link

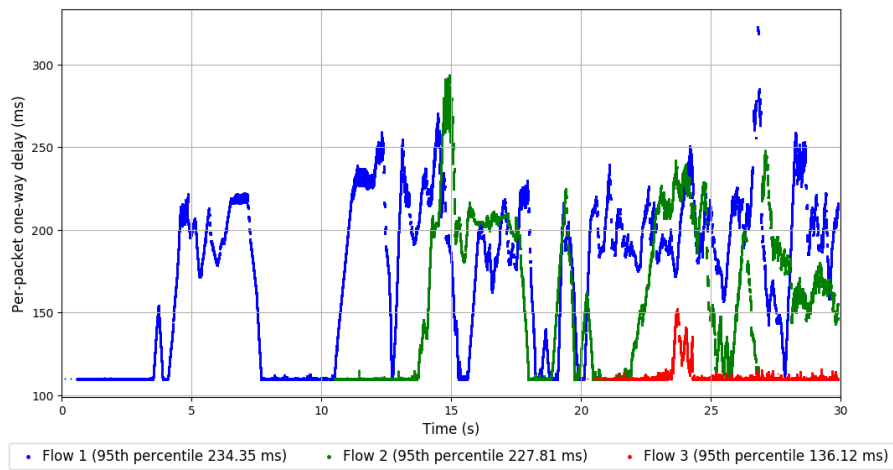
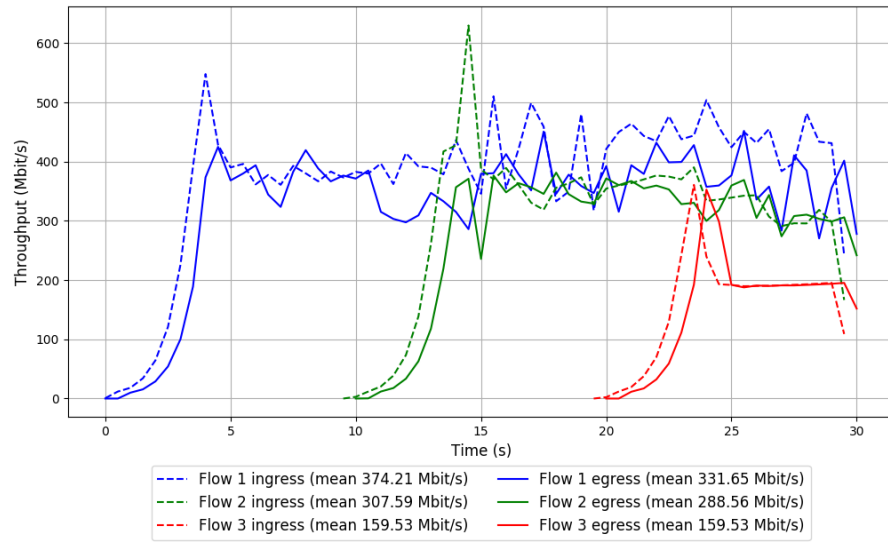


```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-02 22:37:33
End at: 2019-01-02 22:38:03
Local clock offset: -1.489 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-01-03 03:24:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.02 Mbit/s
95th percentile per-packet one-way delay: 230.818 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 331.65 Mbit/s
95th percentile per-packet one-way delay: 234.347 ms
Loss rate: 11.37%
-- Flow 2:
Average throughput: 288.56 Mbit/s
95th percentile per-packet one-way delay: 227.814 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 159.53 Mbit/s
95th percentile per-packet one-way delay: 136.120 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

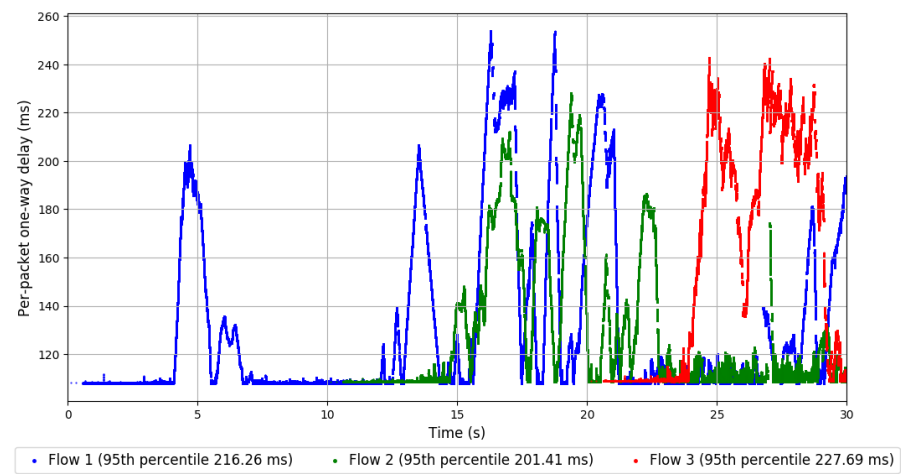
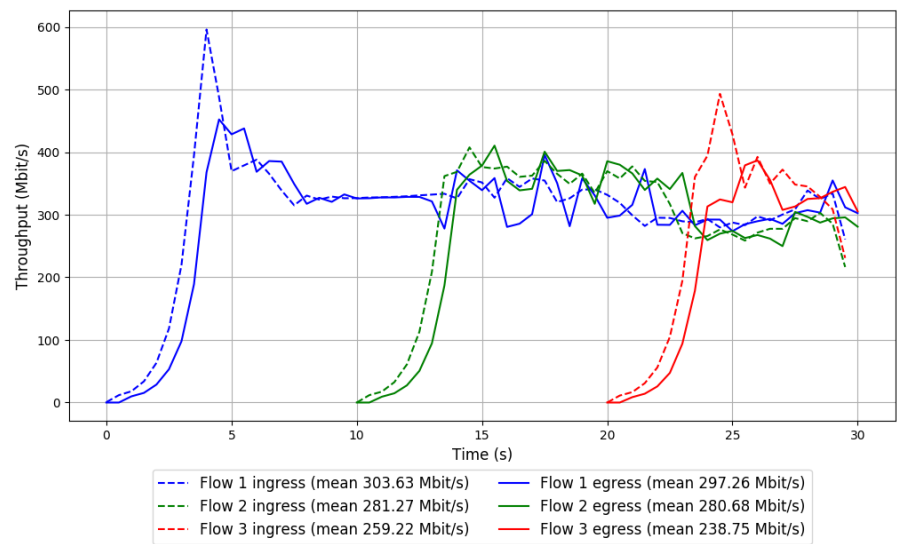


Run 2: Statistics of PCC-Expr

Start at: 2019-01-02 23:12:50
End at: 2019-01-02 23:13:20
Local clock offset: 0.404 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-01-03 03:26:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.59 Mbit/s
95th percentile per-packet one-way delay: 218.883 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 297.26 Mbit/s
95th percentile per-packet one-way delay: 216.264 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 280.68 Mbit/s
95th percentile per-packet one-way delay: 201.409 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 238.75 Mbit/s
95th percentile per-packet one-way delay: 227.690 ms
Loss rate: 7.90%

Run 2: Report of PCC-Expr — Data Link

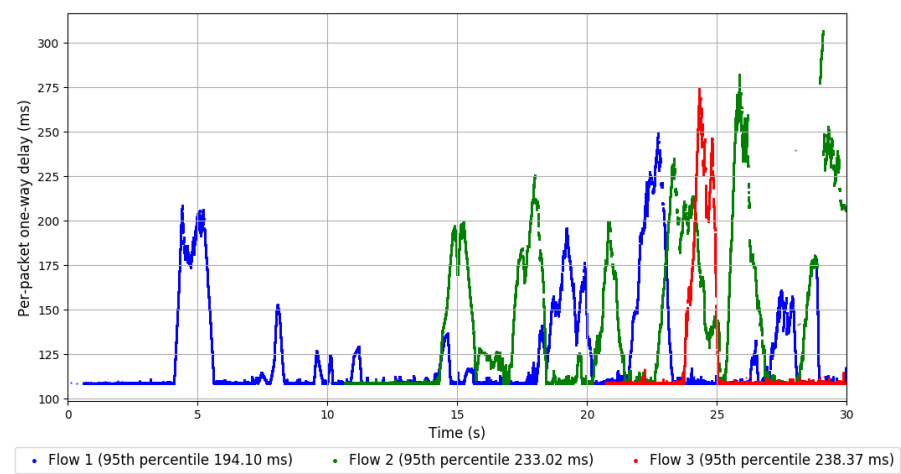
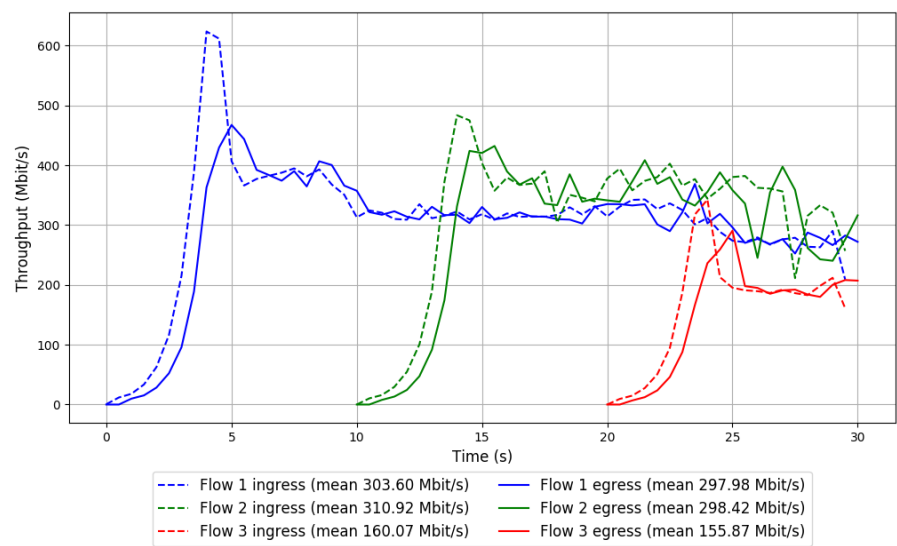


Run 3: Statistics of PCC-Expr

Start at: 2019-01-02 23:47:47
End at: 2019-01-02 23:48:17
Local clock offset: 0.67 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-01-03 03:34:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 547.79 Mbit/s
95th percentile per-packet one-way delay: 213.054 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 297.98 Mbit/s
95th percentile per-packet one-way delay: 194.103 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 298.42 Mbit/s
95th percentile per-packet one-way delay: 233.024 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 238.373 ms
Loss rate: 2.62%

Run 3: Report of PCC-Expr — Data Link

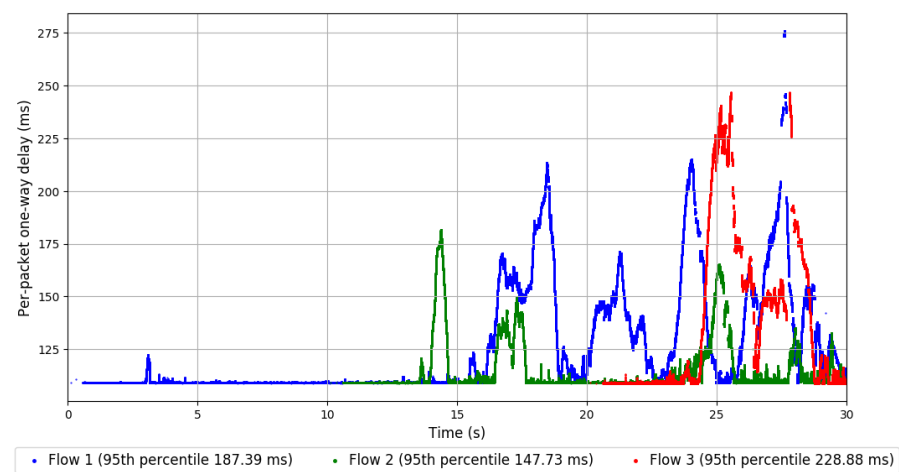
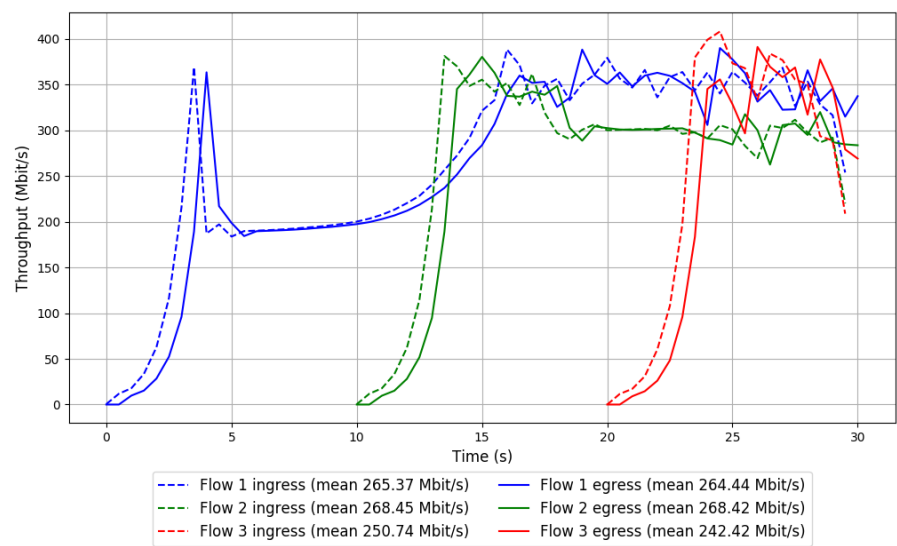


Run 4: Statistics of PCC-Expr

Start at: 2019-01-03 00:22:09
End at: 2019-01-03 00:22:39
Local clock offset: -0.089 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.89 Mbit/s
95th percentile per-packet one-way delay: 187.223 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 264.44 Mbit/s
95th percentile per-packet one-way delay: 187.390 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 268.42 Mbit/s
95th percentile per-packet one-way delay: 147.729 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 228.885 ms
Loss rate: 3.32%

Run 4: Report of PCC-Expr — Data Link

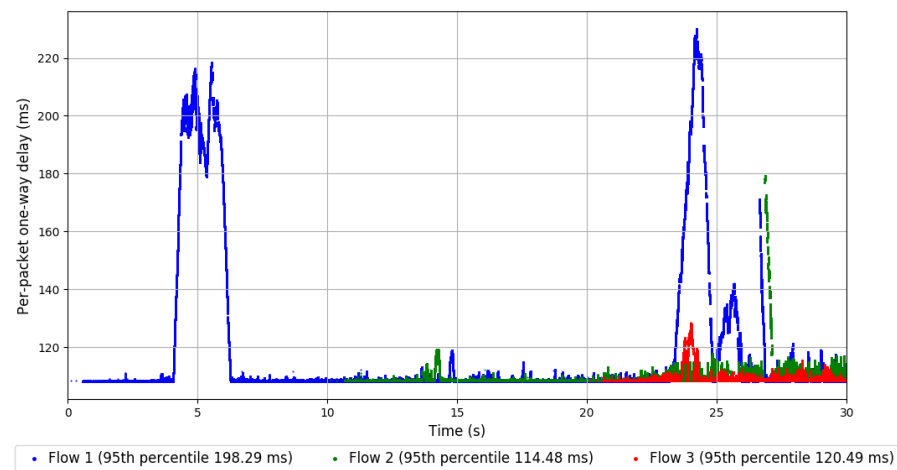
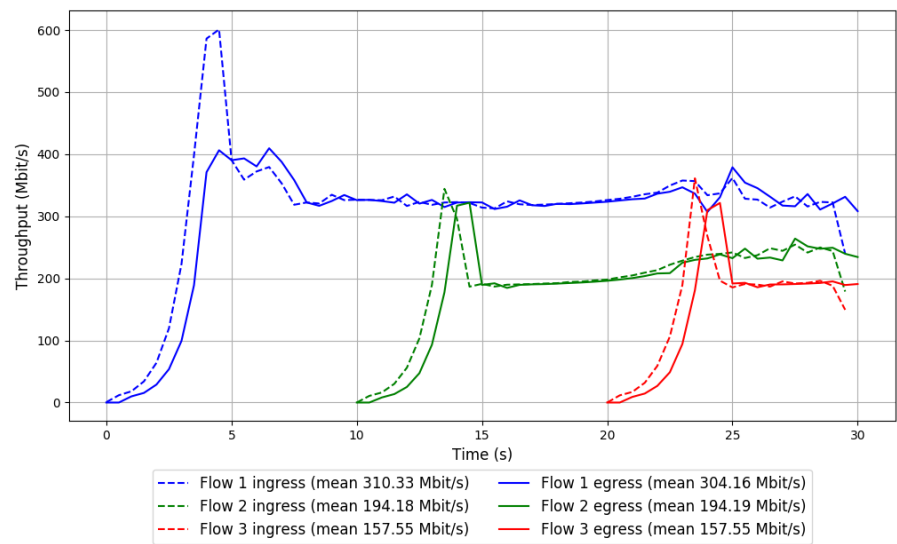


Run 5: Statistics of PCC-Expr

Start at: 2019-01-03 00:56:57
End at: 2019-01-03 00:57:27
Local clock offset: 0.647 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.24 Mbit/s
95th percentile per-packet one-way delay: 188.158 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 304.16 Mbit/s
95th percentile per-packet one-way delay: 198.291 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 194.19 Mbit/s
95th percentile per-packet one-way delay: 114.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.55 Mbit/s
95th percentile per-packet one-way delay: 120.490 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

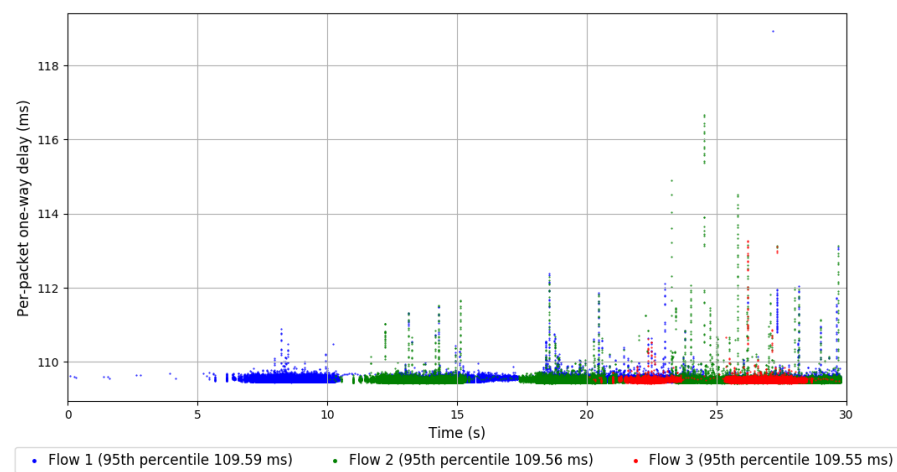
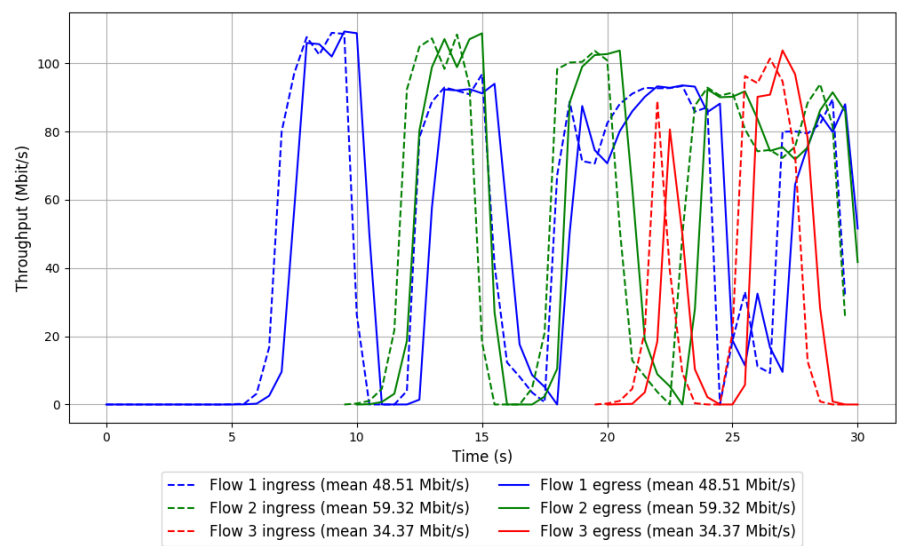


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-02 22:43:45
End at: 2019-01-02 22:44:15
Local clock offset: -1.254 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-01-03 03:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.97 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 109.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 109.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 109.553 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

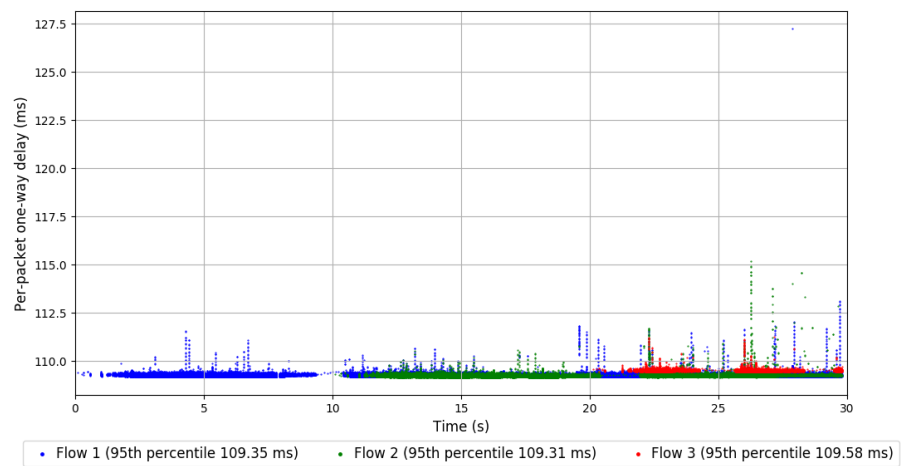
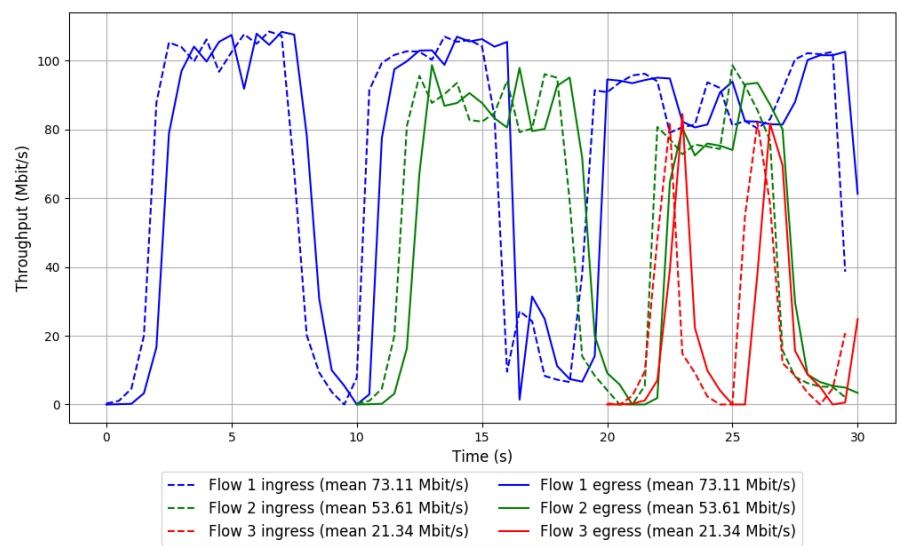


Run 2: Statistics of QUIC Cubic

Start at: 2019-01-02 23:19:04
End at: 2019-01-02 23:19:34
Local clock offset: -0.097 ms
Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.61 Mbit/s
95th percentile per-packet one-way delay: 109.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 109.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 109.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 109.581 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

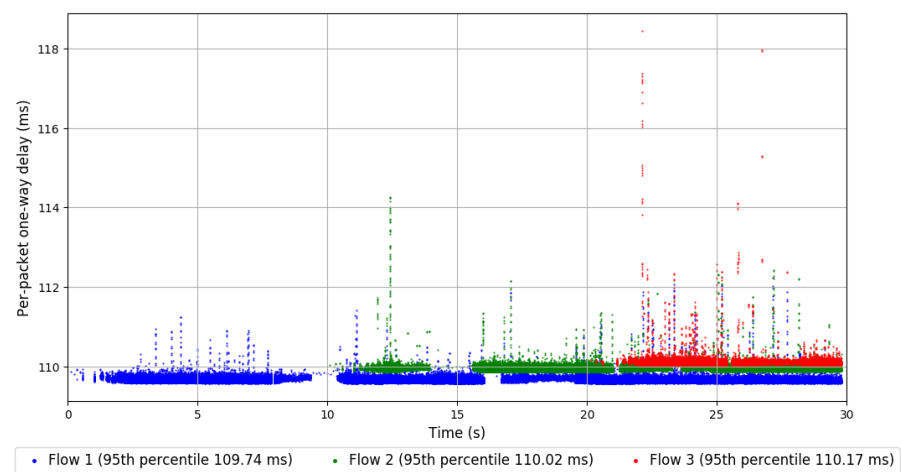
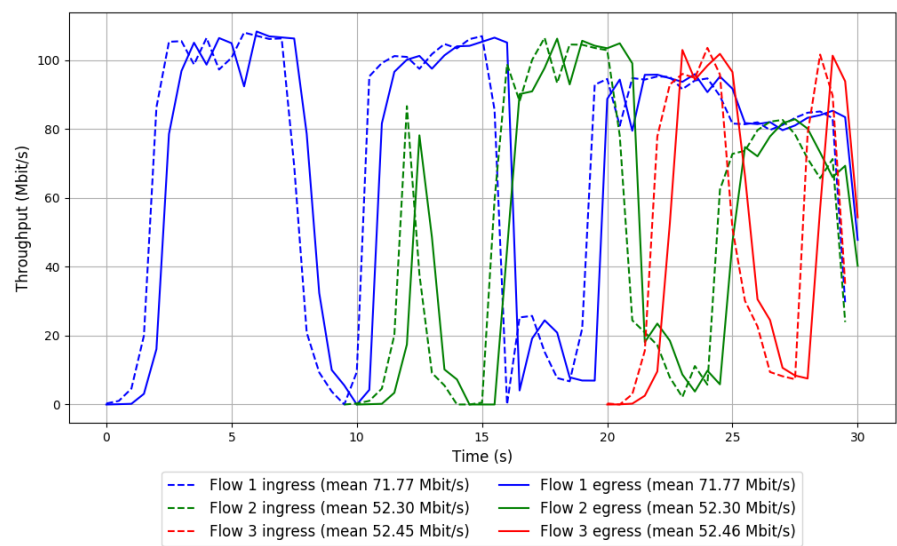


Run 3: Statistics of QUIC Cubic

Start at: 2019-01-02 23:53:37
End at: 2019-01-02 23:54:07
Local clock offset: -0.75 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.53 Mbit/s
95th percentile per-packet one-way delay: 110.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 109.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 110.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 110.171 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-03 00:28:16

End at: 2019-01-03 00:28:46

Local clock offset: -0.161 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2019-01-03 03:39:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.46 Mbit/s

95th percentile per-packet one-way delay: 109.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.72 Mbit/s

95th percentile per-packet one-way delay: 109.978 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 109.912 ms

Loss rate: 0.00%

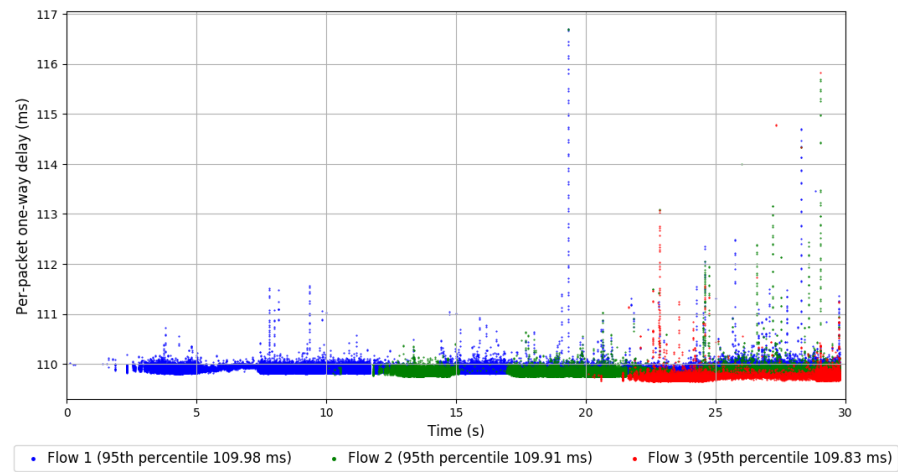
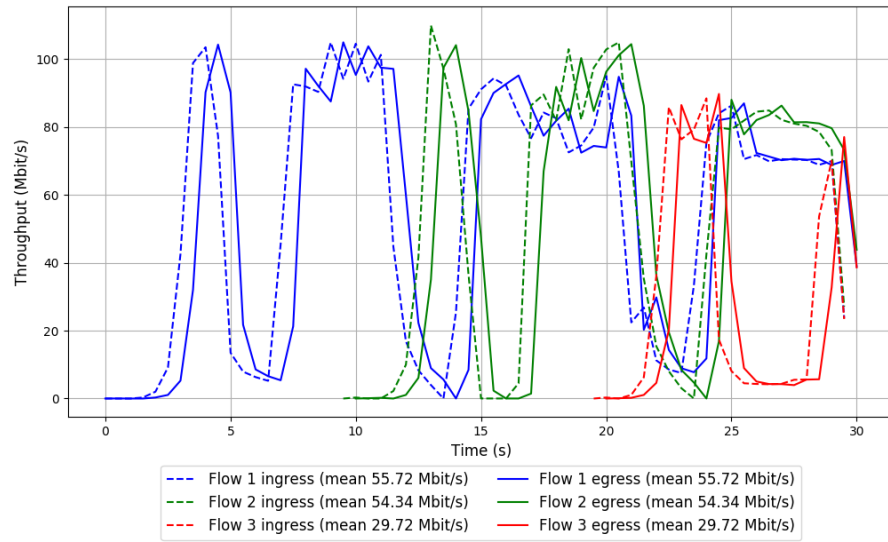
-- Flow 3:

Average throughput: 29.72 Mbit/s

95th percentile per-packet one-way delay: 109.829 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

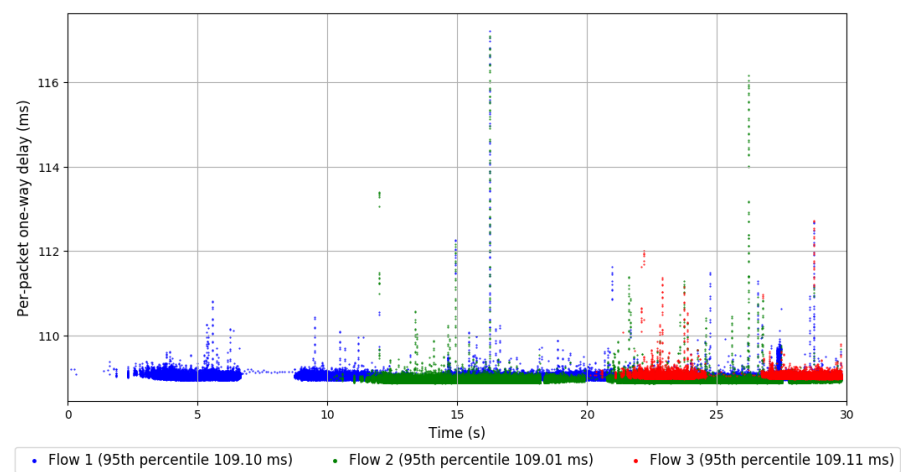
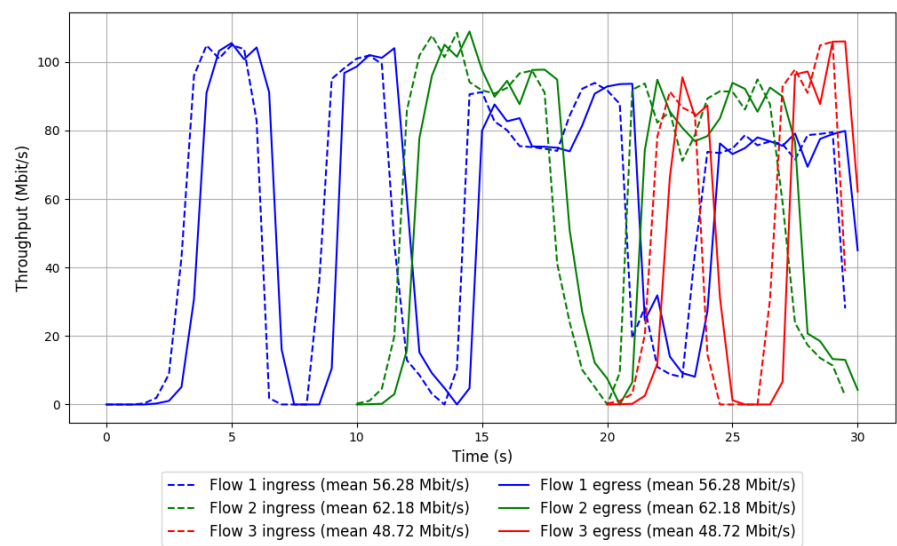


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-03 01:02:38
End at: 2019-01-03 01:03:08
Local clock offset: -0.054 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.36 Mbit/s
95th percentile per-packet one-way delay: 109.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 109.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 109.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 109.113 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

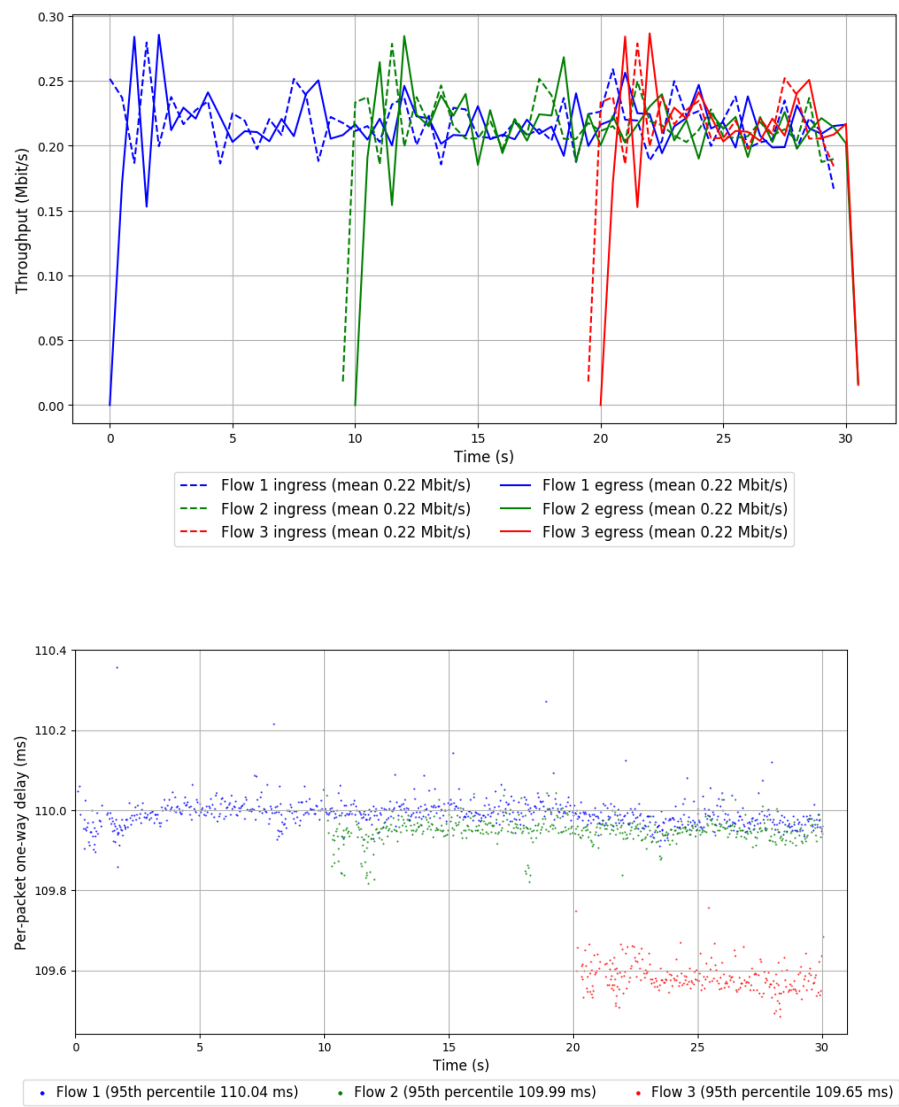


```
Run 1: Statistics of SReAM

Start at: 2019-01-02 22:58:10
End at: 2019-01-02 22:58:40
Local clock offset: -0.476 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-01-03 03:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.654 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

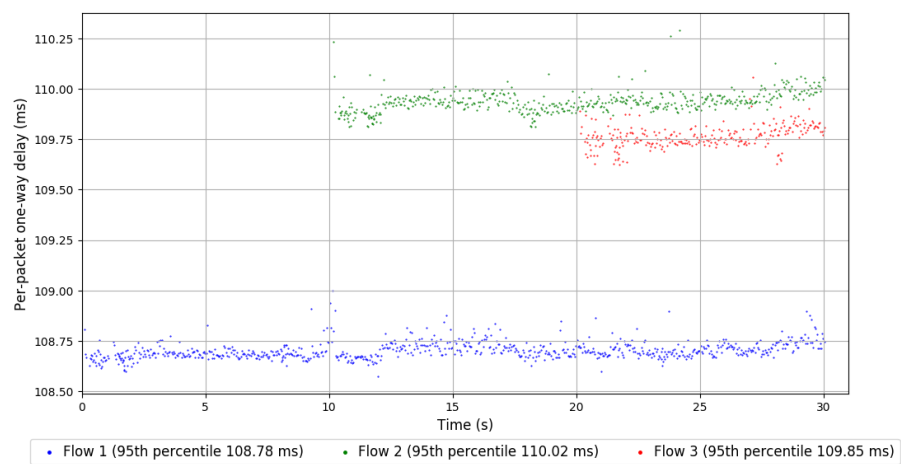
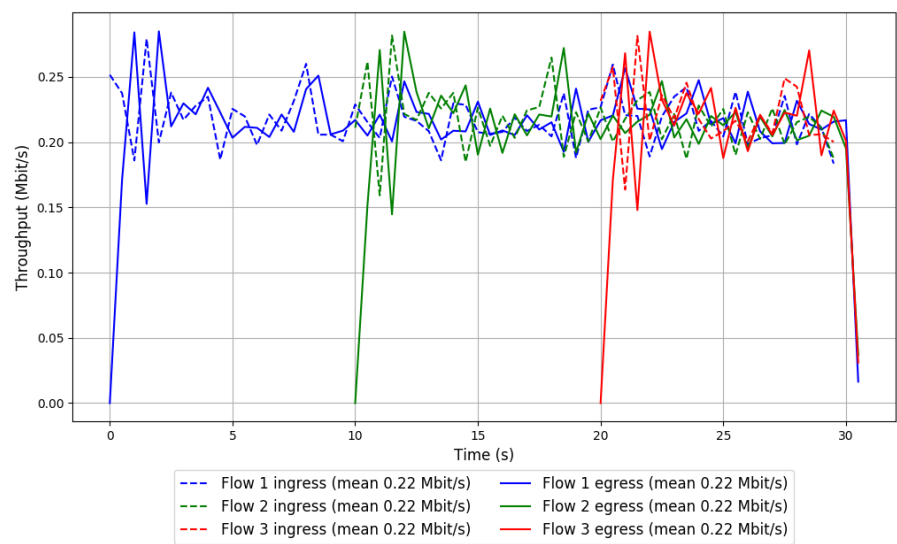


Run 2: Statistics of SReAM

Start at: 2019-01-02 23:33:03
End at: 2019-01-02 23:33:33
Local clock offset: -0.285 ms
Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.853 ms
Loss rate: 0.00%

Run 2: Report of SCSReAM — Data Link

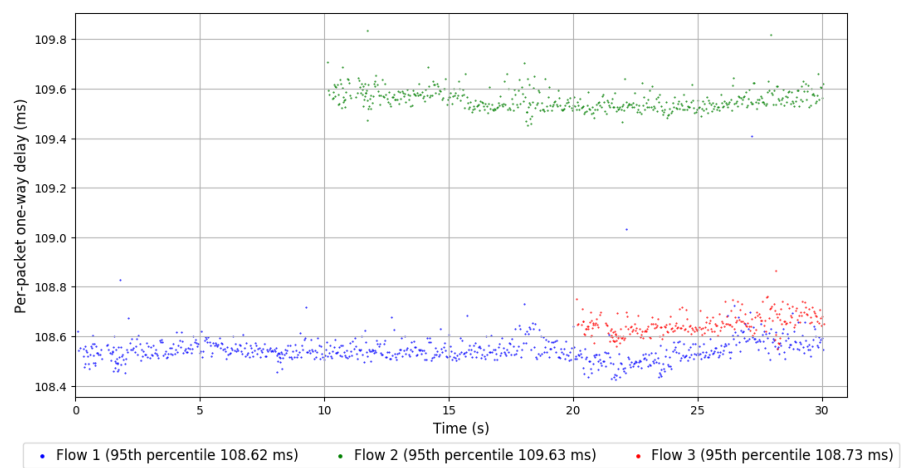
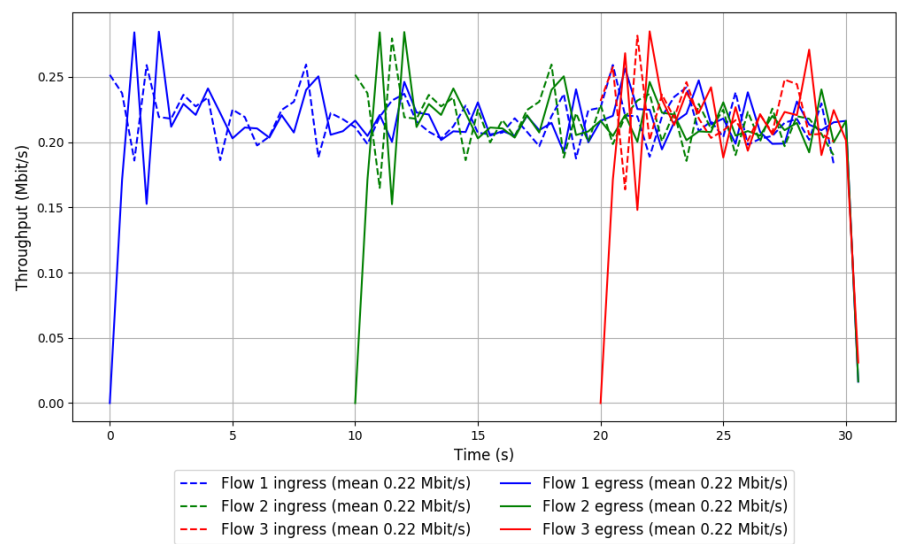


Run 3: Statistics of SReAM

Start at: 2019-01-03 00:07:32
End at: 2019-01-03 00:08:02
Local clock offset: -0.05 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.631 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.730 ms
Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link

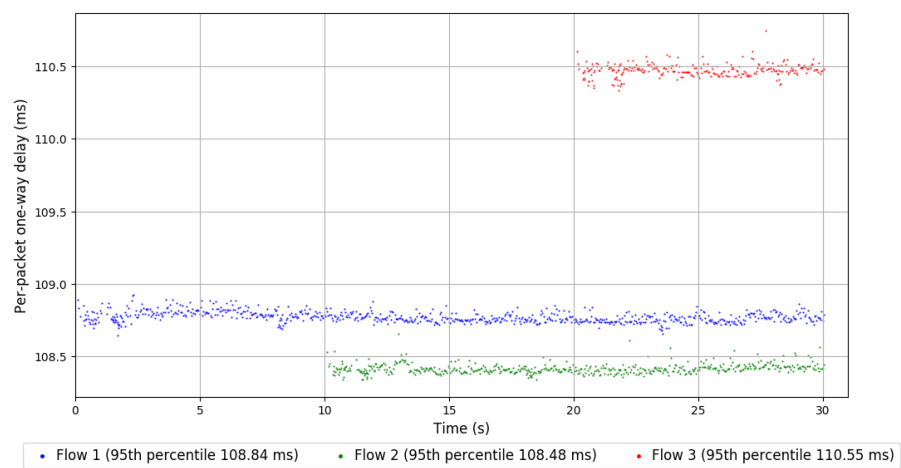
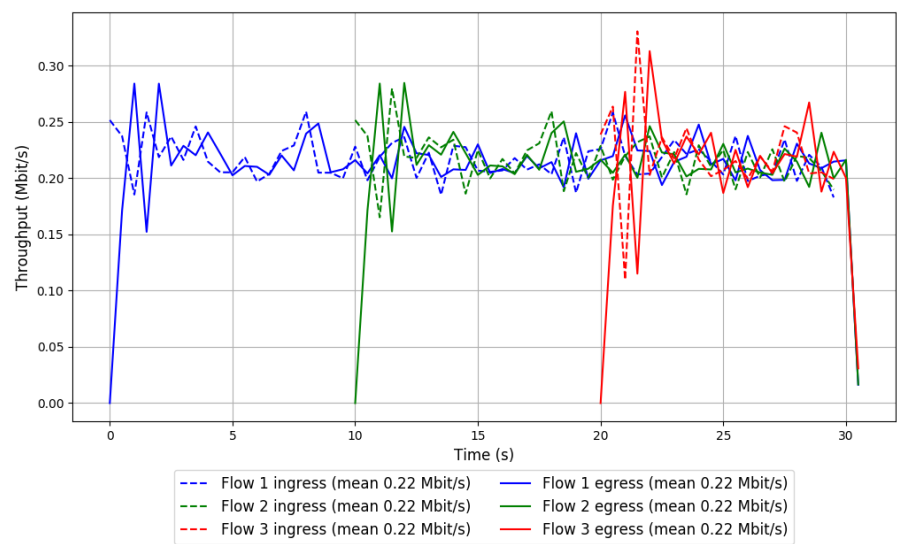


Run 4: Statistics of SReAM

Start at: 2019-01-03 00:42:25
End at: 2019-01-03 00:42:55
Local clock offset: 0.611 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.547 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

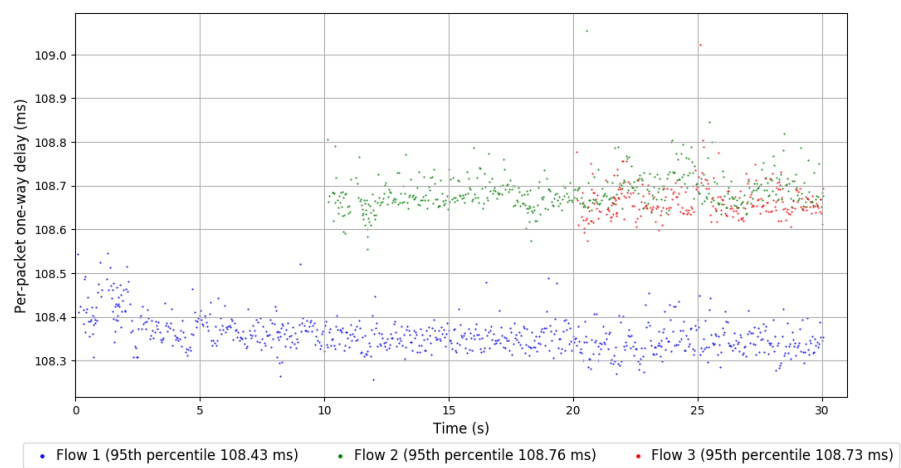
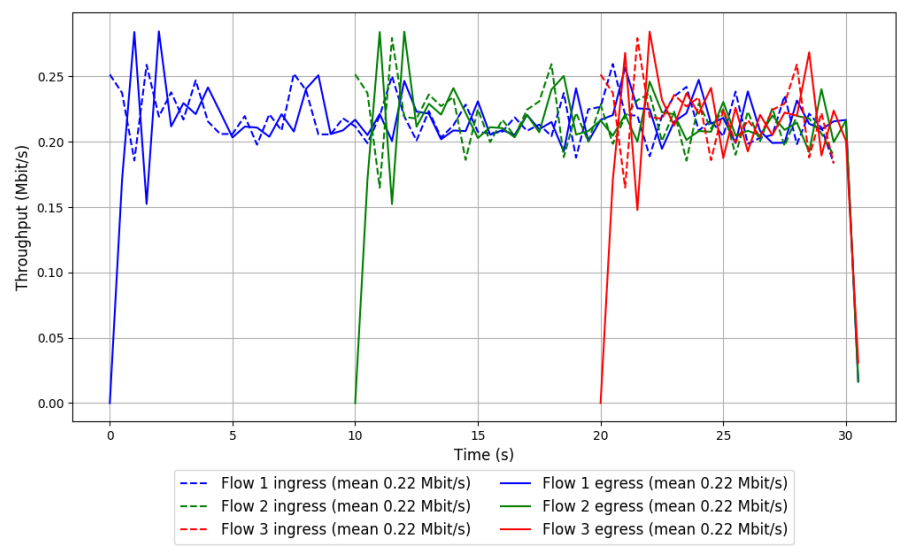


Run 5: Statistics of SReAM

Start at: 2019-01-03 01:17:15
End at: 2019-01-03 01:17:45
Local clock offset: 0.662 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 108.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.761 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.728 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

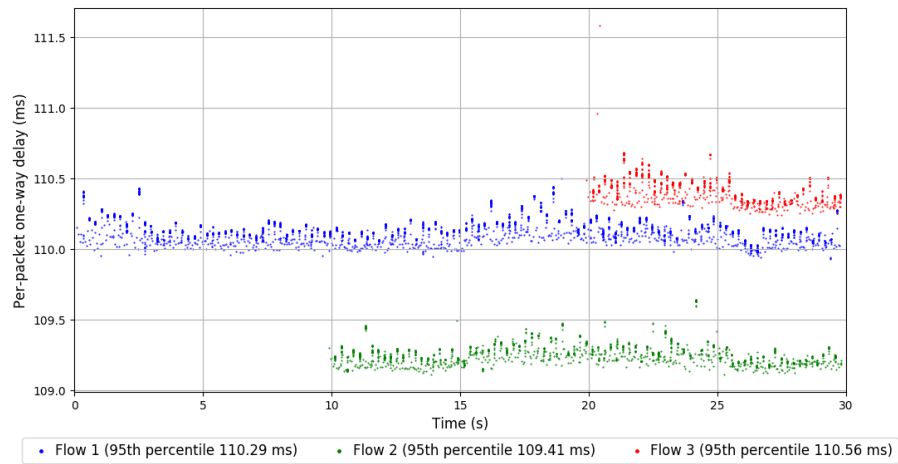
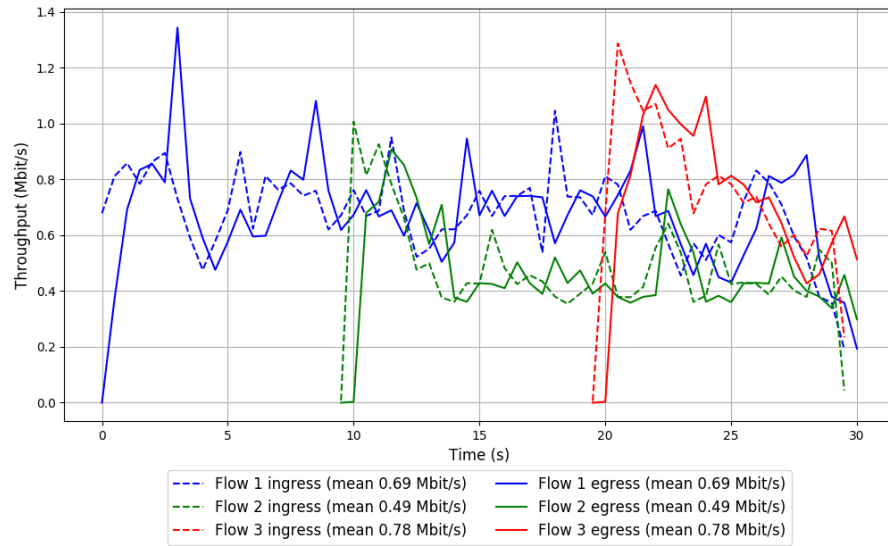


Run 1: Statistics of Sprout

Start at: 2019-01-02 22:36:16
End at: 2019-01-02 22:36:46
Local clock offset: -0.849 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-01-03 03:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 110.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 110.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 109.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 110.565 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

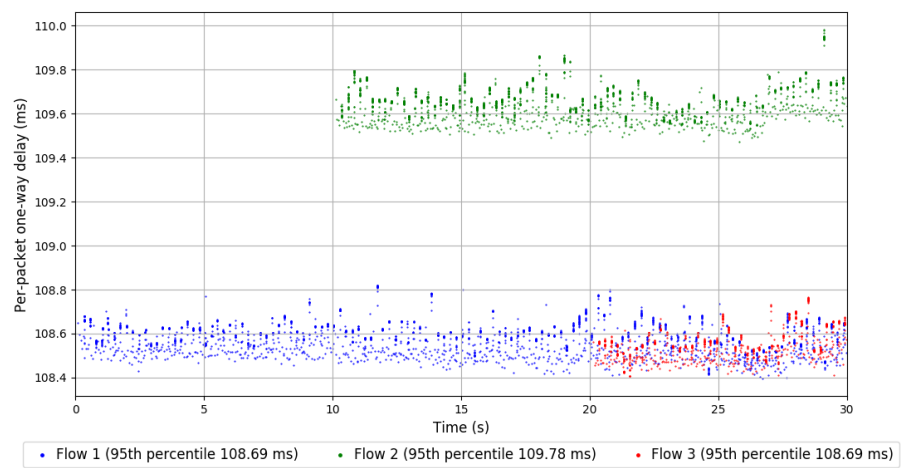
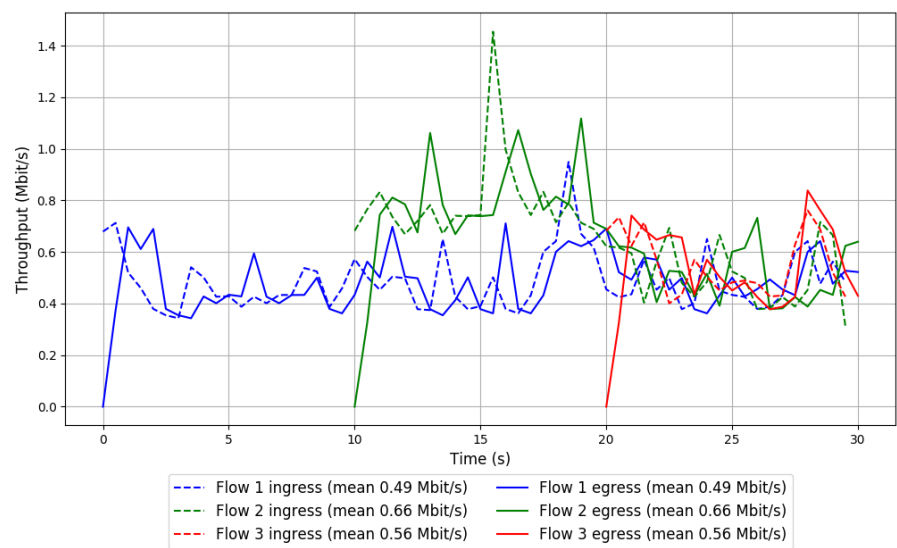


Run 2: Statistics of Sprout

Start at: 2019-01-02 23:11:33
End at: 2019-01-02 23:12:03
Local clock offset: -0.074 ms
Remote clock offset: -0.05 ms

```
# Below is generated by plot.py at 2019-01-03 03:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 109.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 108.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 109.776 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 108.687 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

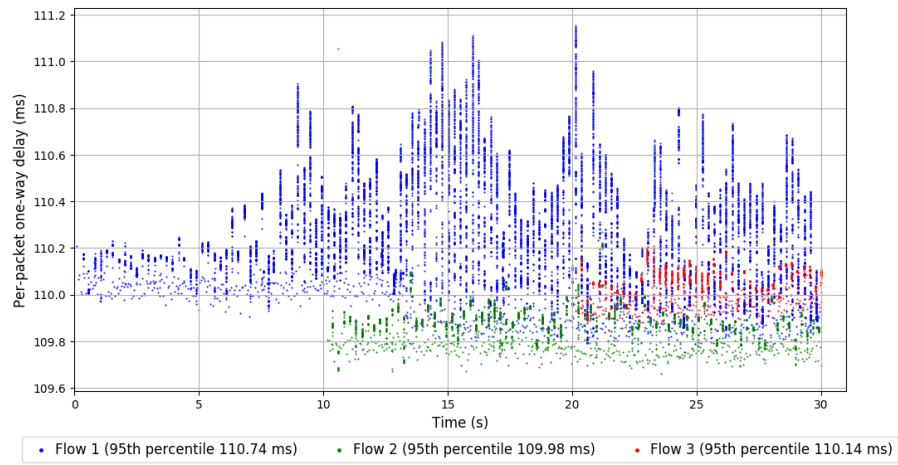
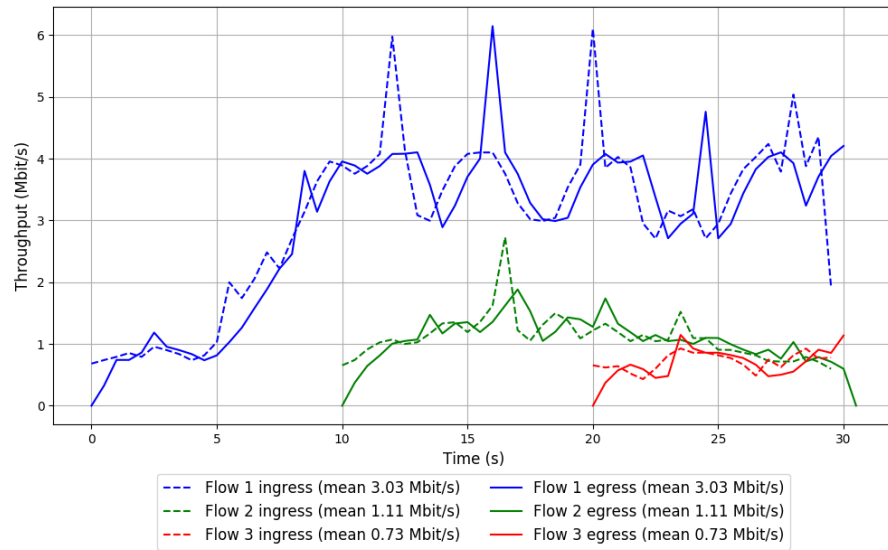


Run 3: Statistics of Sprout

Start at: 2019-01-02 23:46:31
End at: 2019-01-02 23:47:01
Local clock offset: -0.788 ms
Remote clock offset: -0.447 ms

```
# Below is generated by plot.py at 2019-01-03 03:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 110.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 110.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 109.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 110.145 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

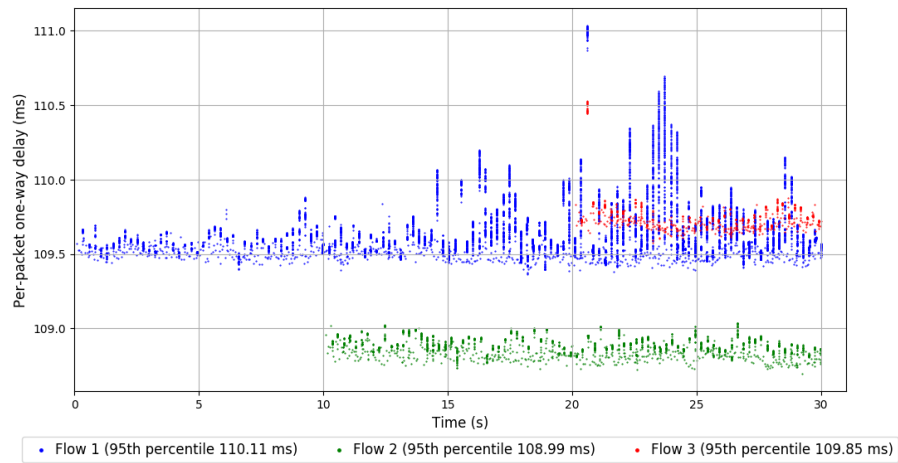
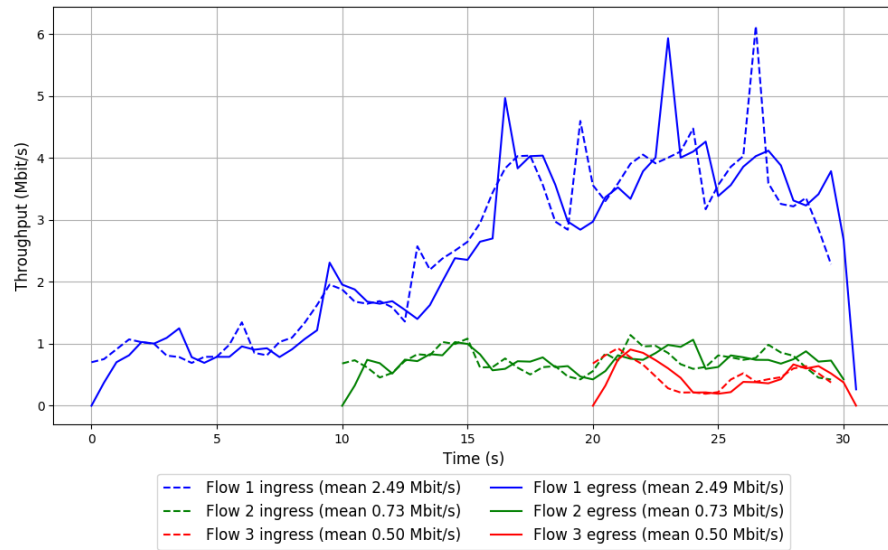


Run 4: Statistics of Sprout

Start at: 2019-01-03 00:20:52
End at: 2019-01-03 00:21:22
Local clock offset: -0.423 ms
Remote clock offset: -0.11 ms

```
# Below is generated by plot.py at 2019-01-03 03:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 110.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 110.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 108.987 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 109.847 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

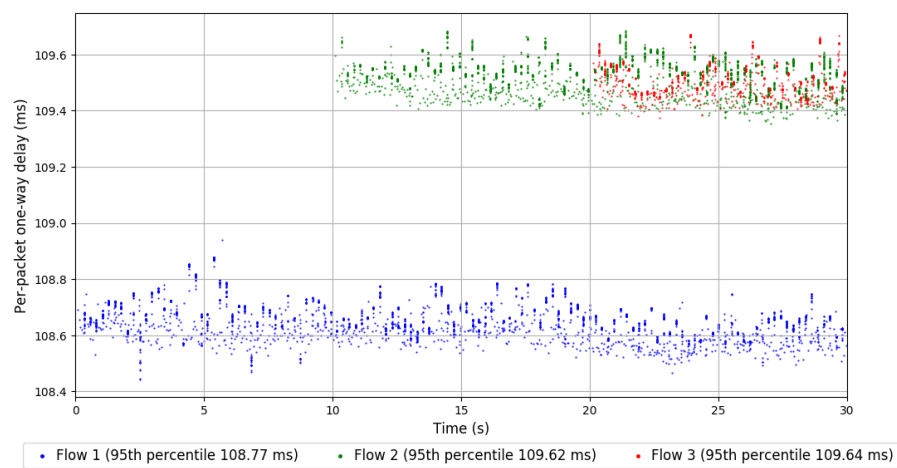
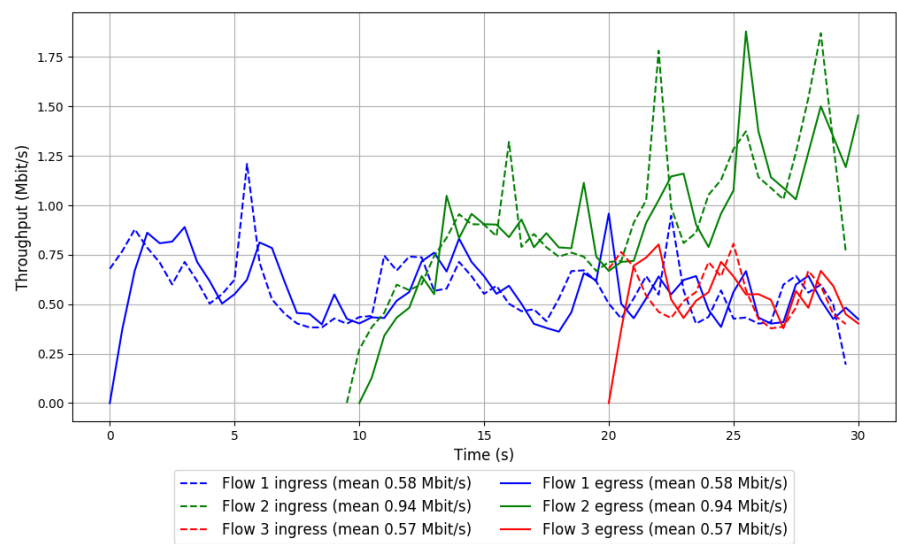


Run 5: Statistics of Sprout

Start at: 2019-01-03 00:55:40
End at: 2019-01-03 00:56:10
Local clock offset: -0.272 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-01-03 03:39:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 109.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 108.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 109.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 109.637 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

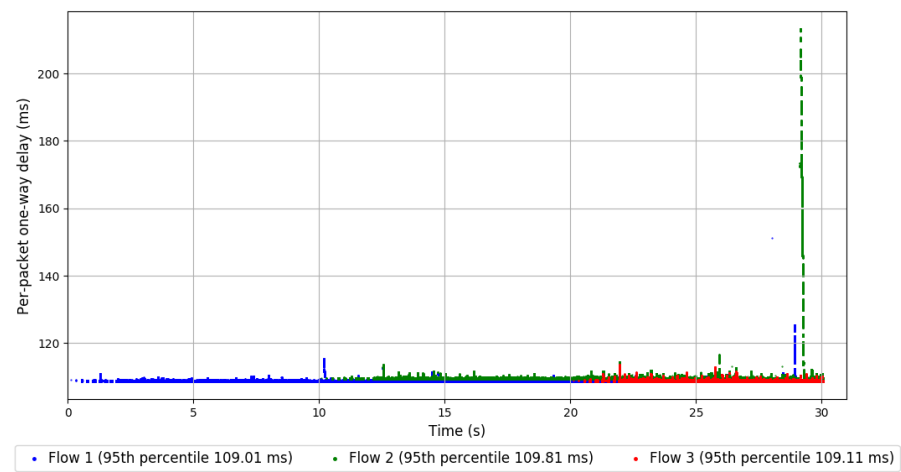
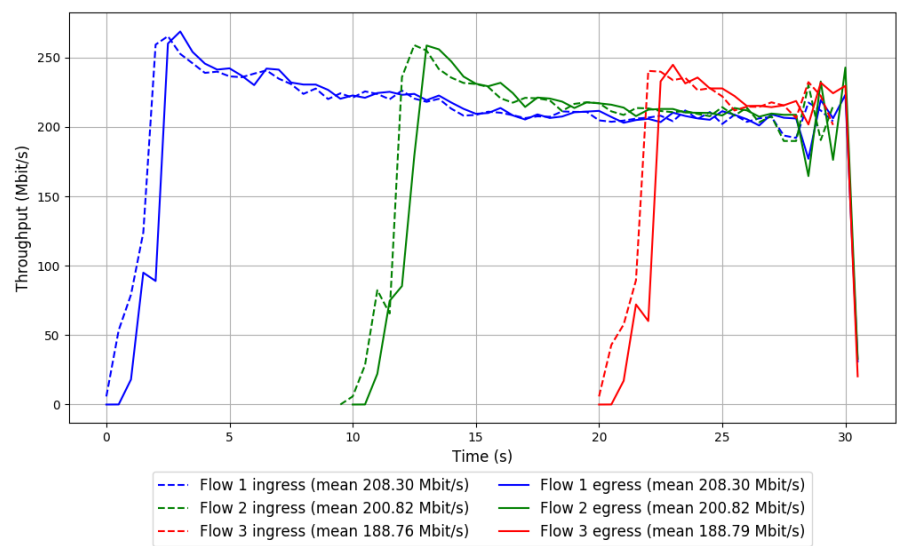


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-01-02 22:54:26
End at: 2019-01-02 22:54:56
Local clock offset: -0.86 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2019-01-03 03:40:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.94 Mbit/s
95th percentile per-packet one-way delay: 109.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.30 Mbit/s
95th percentile per-packet one-way delay: 109.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.82 Mbit/s
95th percentile per-packet one-way delay: 109.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 109.114 ms
Loss rate: 0.00%
```

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

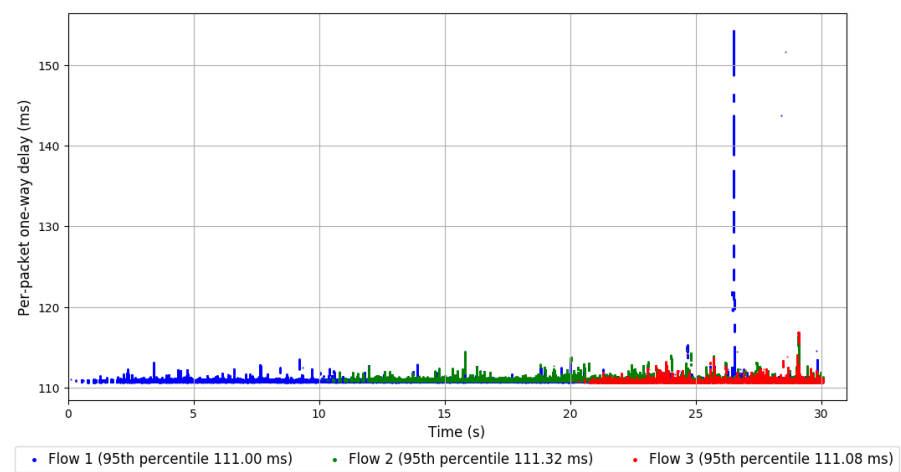
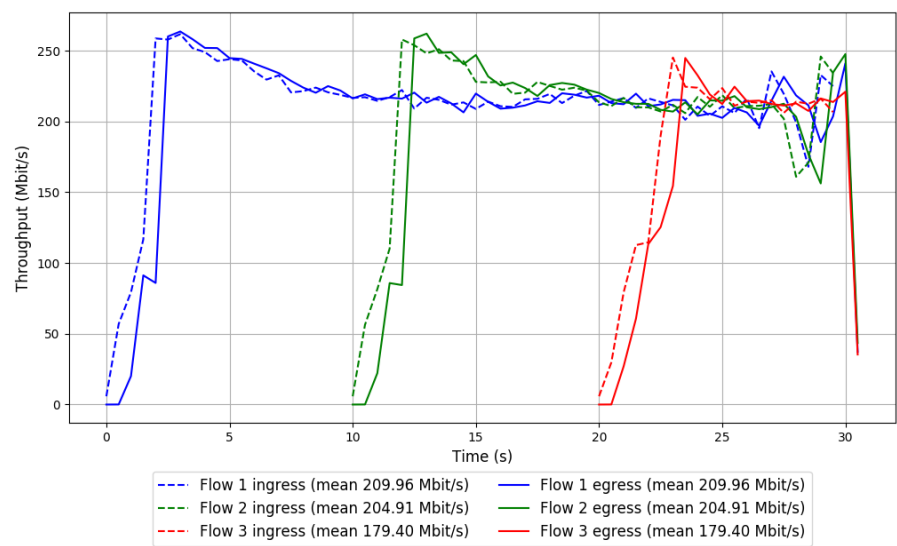


Run 2: Statistics of TaoVA-100x

Start at: 2019-01-02 23:29:23
End at: 2019-01-02 23:29:53
Local clock offset: -1.526 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-01-03 03:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.05 Mbit/s
95th percentile per-packet one-way delay: 111.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.96 Mbit/s
95th percentile per-packet one-way delay: 111.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 204.91 Mbit/s
95th percentile per-packet one-way delay: 111.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.40 Mbit/s
95th percentile per-packet one-way delay: 111.077 ms
Loss rate: 0.00%

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

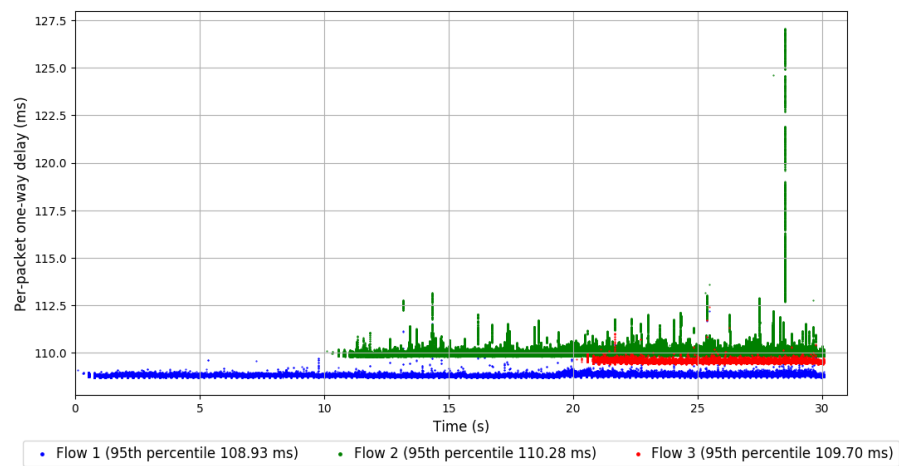
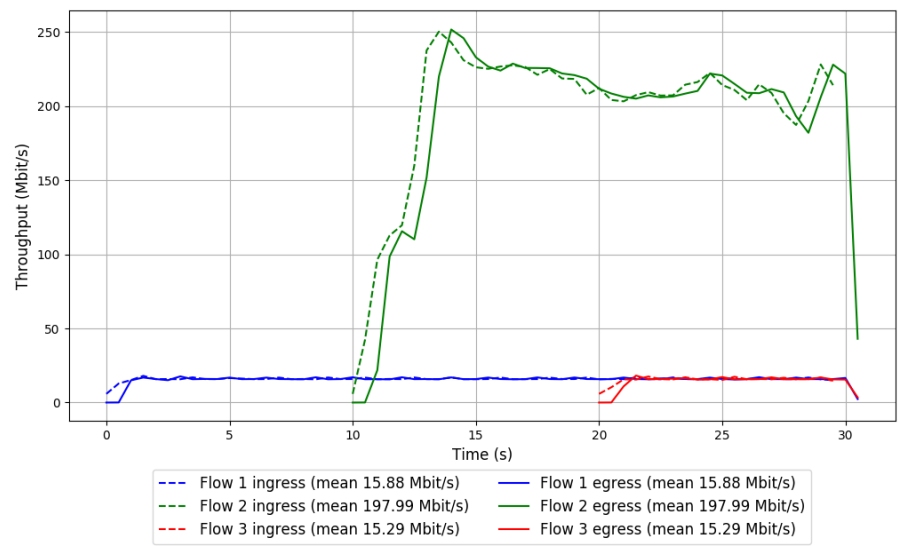


Run 3: Statistics of TaoVA-100x

Start at: 2019-01-03 00:04:16
End at: 2019-01-03 00:04:46
Local clock offset: -0.47 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-01-03 03:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.83 Mbit/s
95th percentile per-packet one-way delay: 110.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 108.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.99 Mbit/s
95th percentile per-packet one-way delay: 110.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 109.699 ms
Loss rate: 0.00%

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

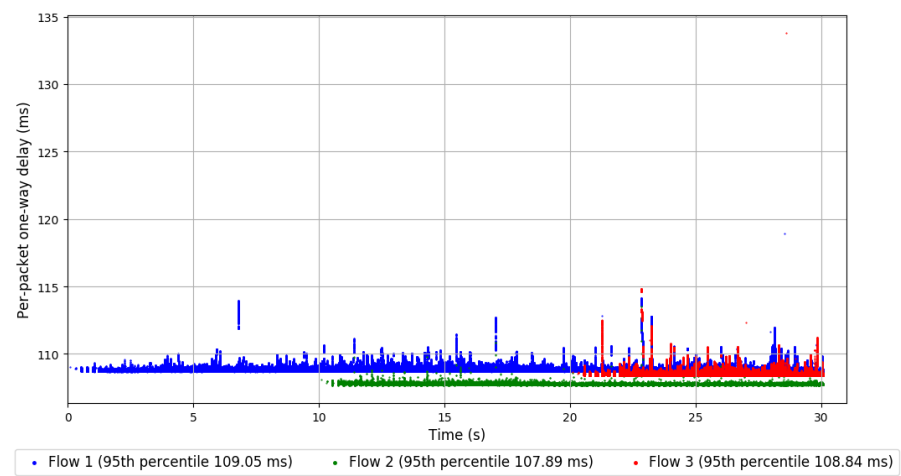
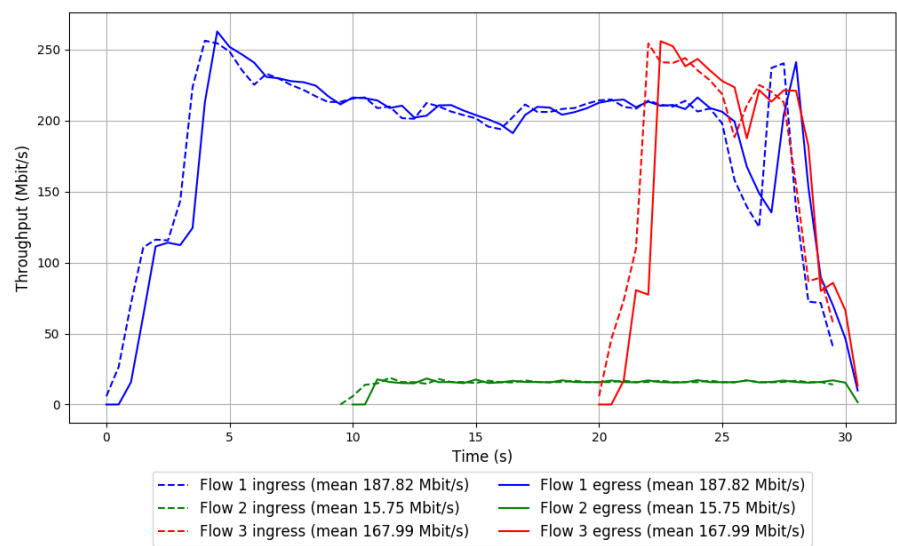


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-03 00:38:56
End at: 2019-01-03 00:39:26
Local clock offset: 0.114 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2019-01-03 03:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.13 Mbit/s
95th percentile per-packet one-way delay: 109.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 109.052 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 107.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.99 Mbit/s
95th percentile per-packet one-way delay: 108.836 ms
Loss rate: 0.00%

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

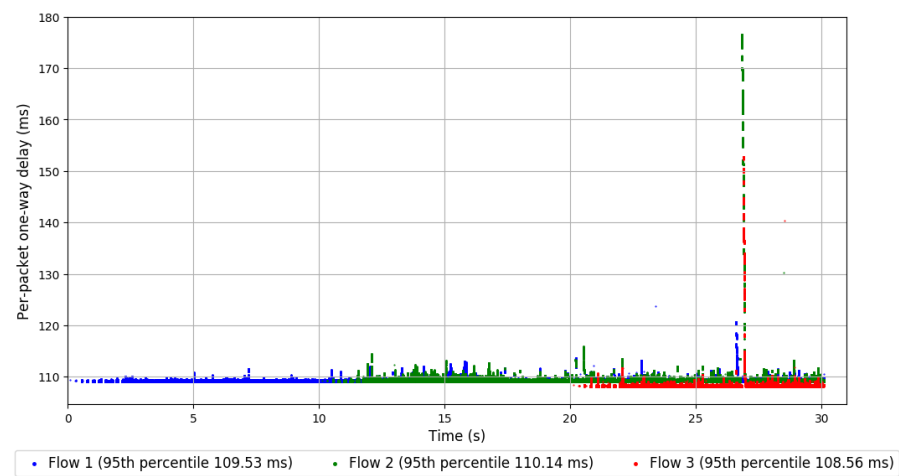
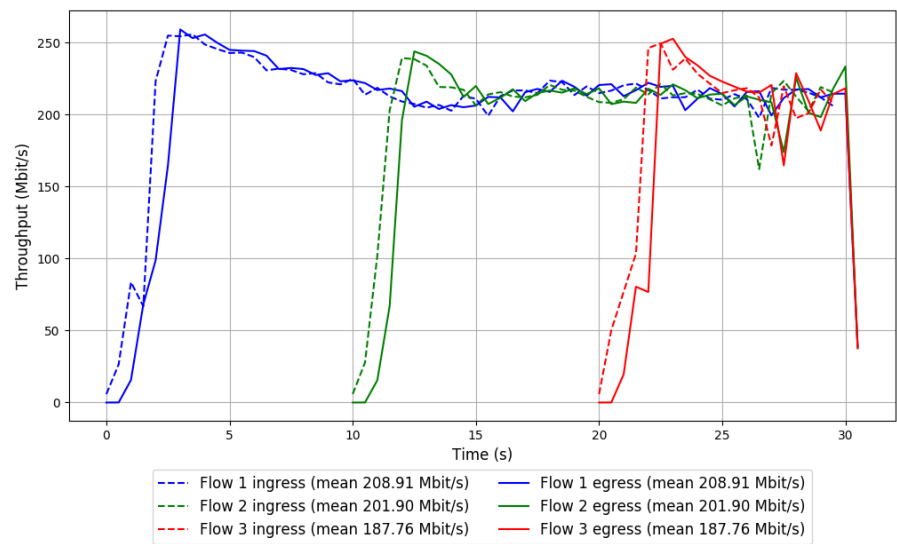


Run 5: Statistics of TaoVA-100x

Start at: 2019-01-03 01:13:29
End at: 2019-01-03 01:13:59
Local clock offset: -0.001 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-01-03 03:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.75 Mbit/s
95th percentile per-packet one-way delay: 109.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.91 Mbit/s
95th percentile per-packet one-way delay: 109.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.90 Mbit/s
95th percentile per-packet one-way delay: 110.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.76 Mbit/s
95th percentile per-packet one-way delay: 108.557 ms
Loss rate: 0.00%

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

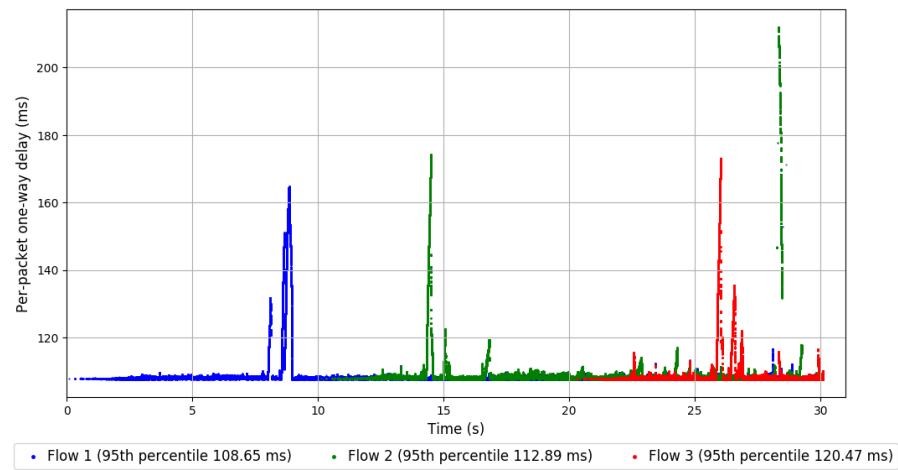
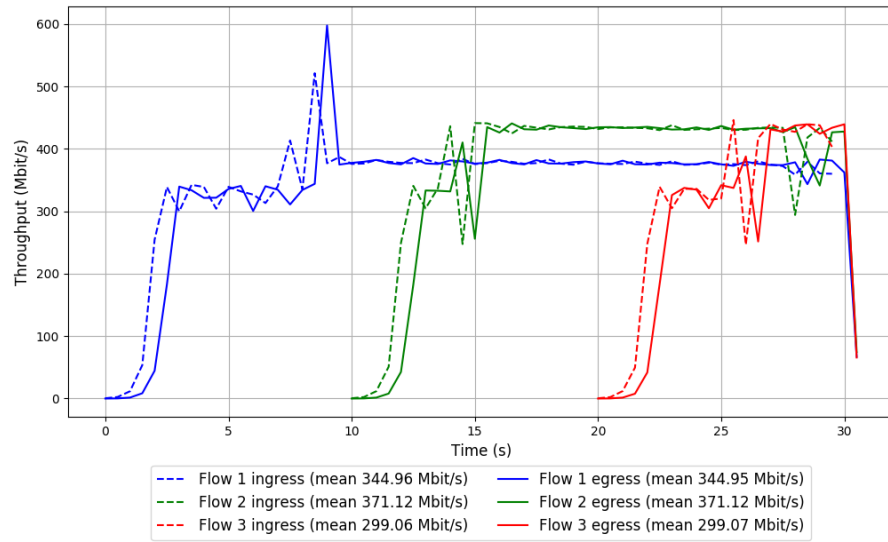


Run 1: Statistics of TCP Vegas

Start at: 2019-01-02 22:39:50
End at: 2019-01-02 22:40:20
Local clock offset: 0.582 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-01-03 03:44:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.46 Mbit/s
95th percentile per-packet one-way delay: 111.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 344.95 Mbit/s
95th percentile per-packet one-way delay: 108.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 371.12 Mbit/s
95th percentile per-packet one-way delay: 112.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 299.07 Mbit/s
95th percentile per-packet one-way delay: 120.468 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

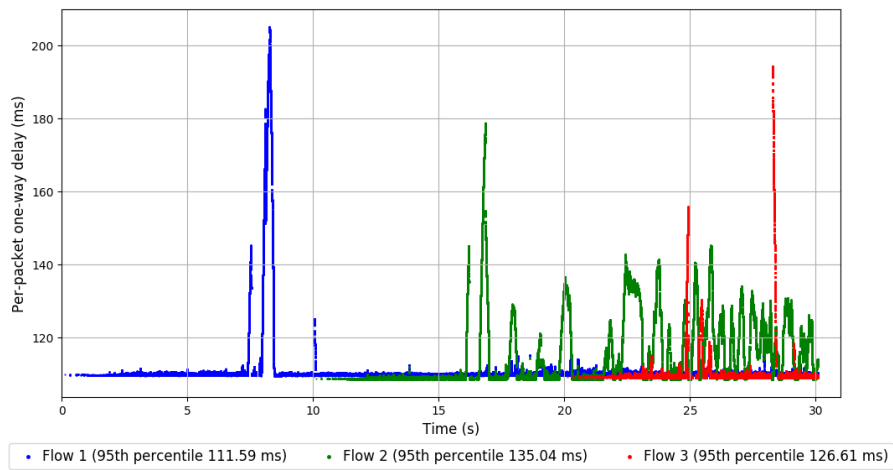
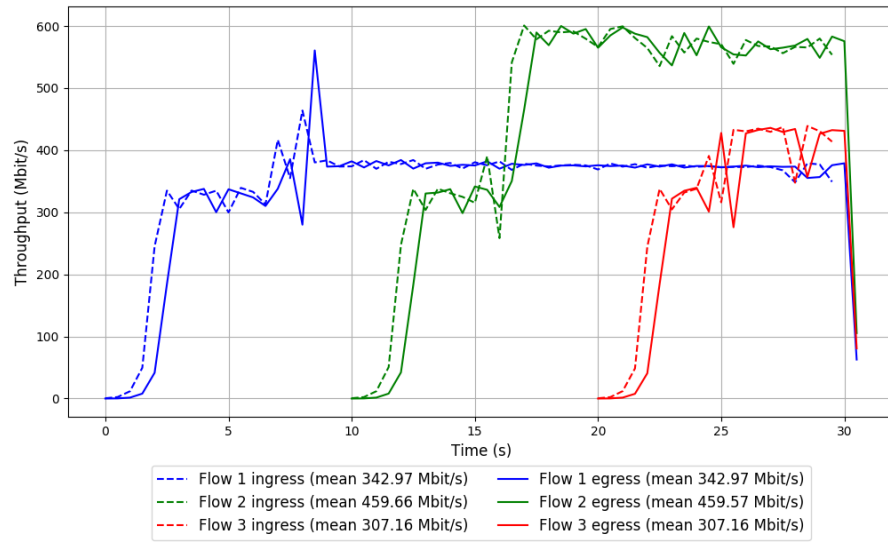


Run 2: Statistics of TCP Vegas

Start at: 2019-01-02 23:15:05
End at: 2019-01-02 23:15:35
Local clock offset: -0.157 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-01-03 03:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 751.25 Mbit/s
95th percentile per-packet one-way delay: 132.855 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 342.97 Mbit/s
95th percentile per-packet one-way delay: 111.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 459.57 Mbit/s
95th percentile per-packet one-way delay: 135.037 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 307.16 Mbit/s
95th percentile per-packet one-way delay: 126.609 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

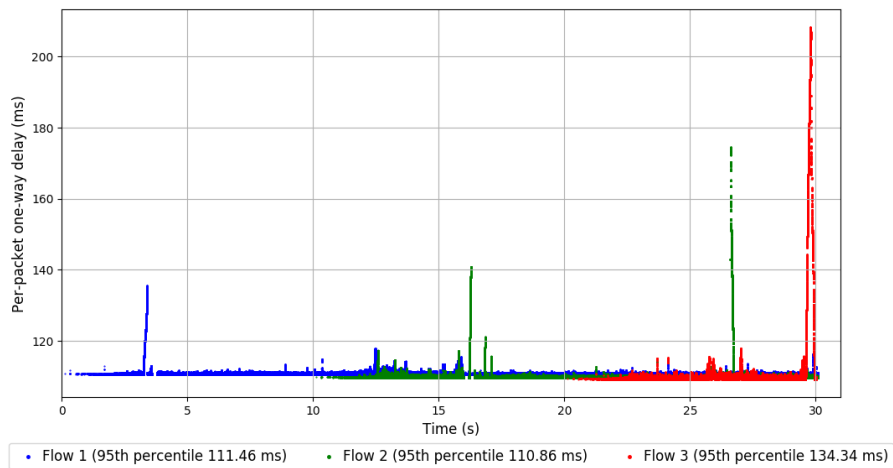
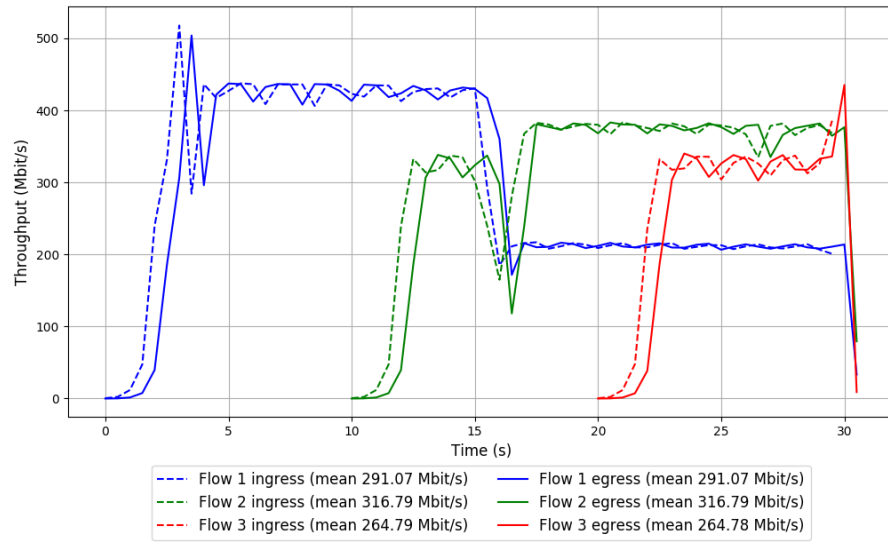


Run 3: Statistics of TCP Vegas

Start at: 2019-01-02 23:50:01
End at: 2019-01-02 23:50:31
Local clock offset: -0.301 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-01-03 03:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 589.33 Mbit/s
95th percentile per-packet one-way delay: 111.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 291.07 Mbit/s
95th percentile per-packet one-way delay: 111.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 316.79 Mbit/s
95th percentile per-packet one-way delay: 110.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 264.78 Mbit/s
95th percentile per-packet one-way delay: 134.337 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

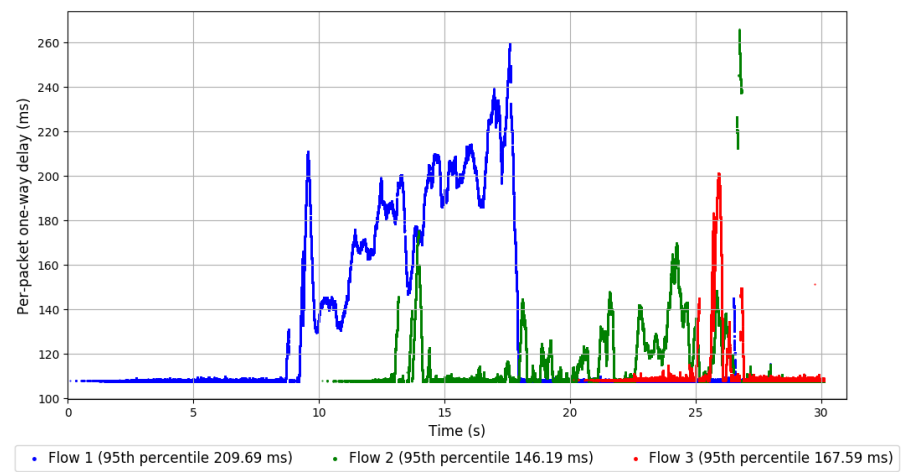
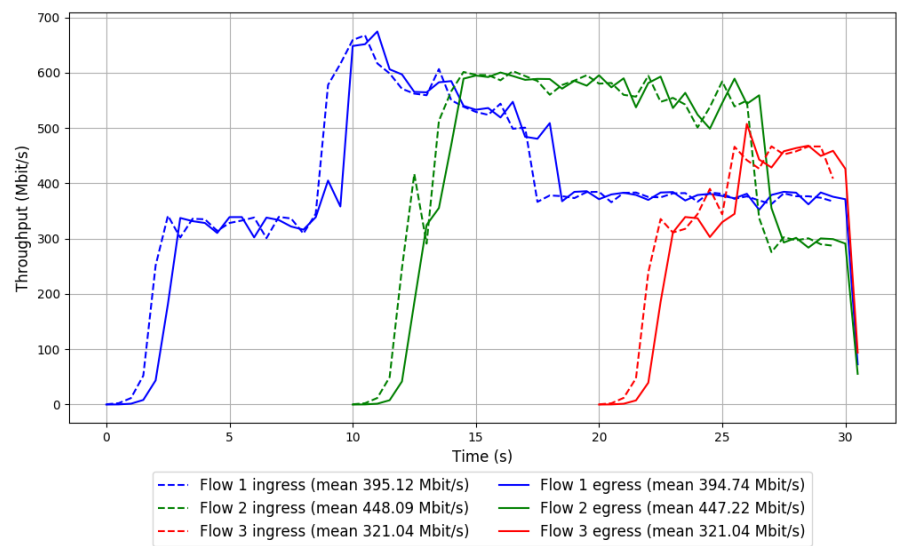


Run 4: Statistics of TCP Vegas

Start at: 2019-01-03 00:24:19
End at: 2019-01-03 00:24:49
Local clock offset: 1.337 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-01-03 03:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.27 Mbit/s
95th percentile per-packet one-way delay: 203.143 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 394.74 Mbit/s
95th percentile per-packet one-way delay: 209.688 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 447.22 Mbit/s
95th percentile per-packet one-way delay: 146.189 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 321.04 Mbit/s
95th percentile per-packet one-way delay: 167.588 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

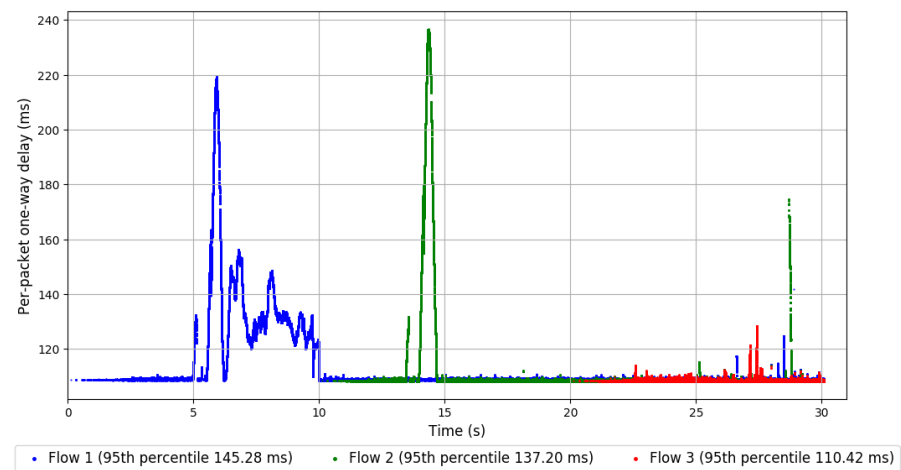
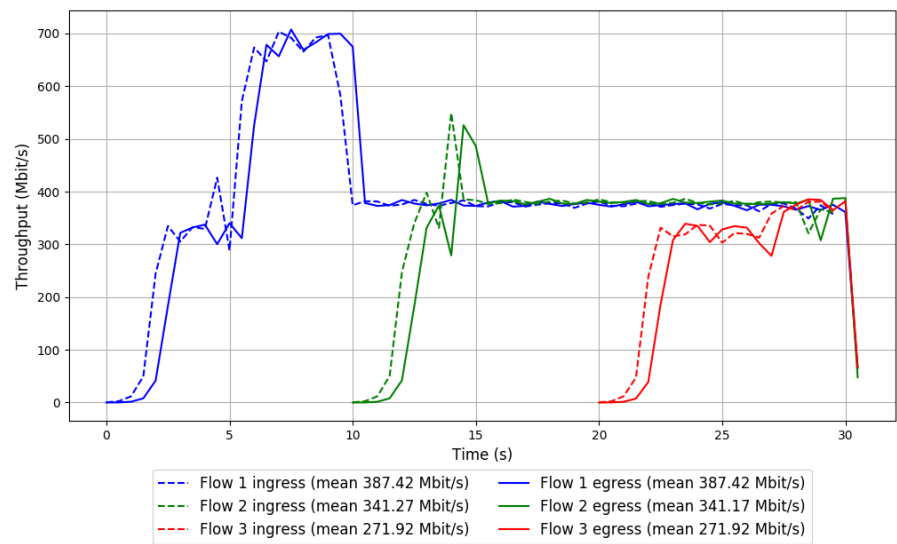


Run 5: Statistics of TCP Vegas

Start at: 2019-01-03 00:59:04
End at: 2019-01-03 00:59:34
Local clock offset: 0.507 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-01-03 03:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 704.99 Mbit/s
95th percentile per-packet one-way delay: 141.497 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 387.42 Mbit/s
95th percentile per-packet one-way delay: 145.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 341.17 Mbit/s
95th percentile per-packet one-way delay: 137.200 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 271.92 Mbit/s
95th percentile per-packet one-way delay: 110.423 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

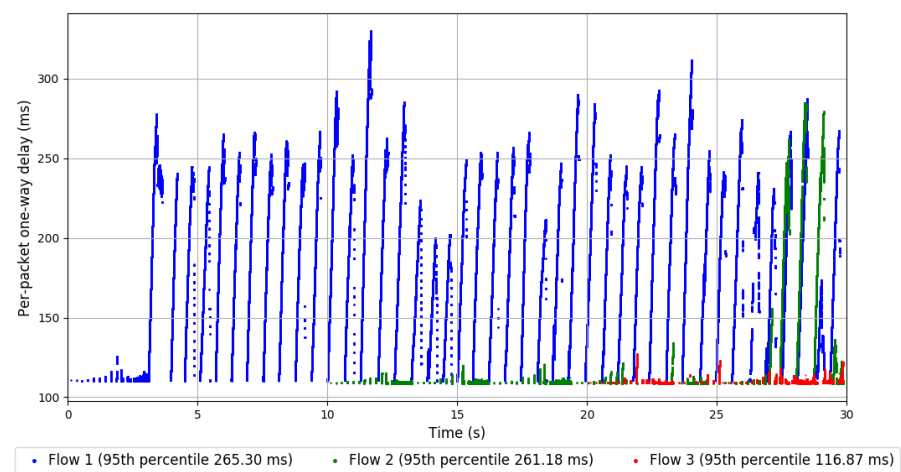
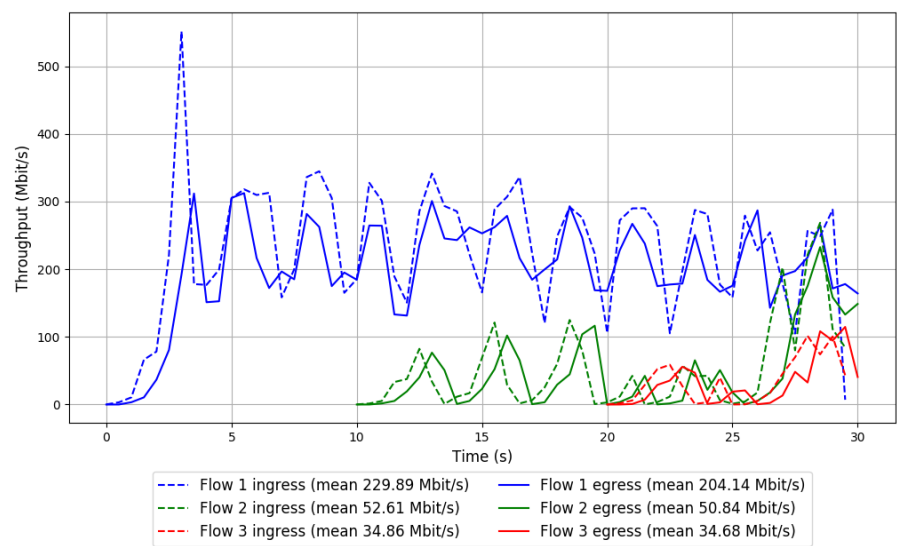


Run 1: Statistics of Verus

Start at: 2019-01-02 22:56:26
End at: 2019-01-02 22:56:56
Local clock offset: 0.003 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-01-03 03:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.35 Mbit/s
95th percentile per-packet one-way delay: 264.147 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 204.14 Mbit/s
95th percentile per-packet one-way delay: 265.299 ms
Loss rate: 10.97%
-- Flow 2:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 261.181 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 116.874 ms
Loss rate: 0.39%

Run 1: Report of Verus — Data Link

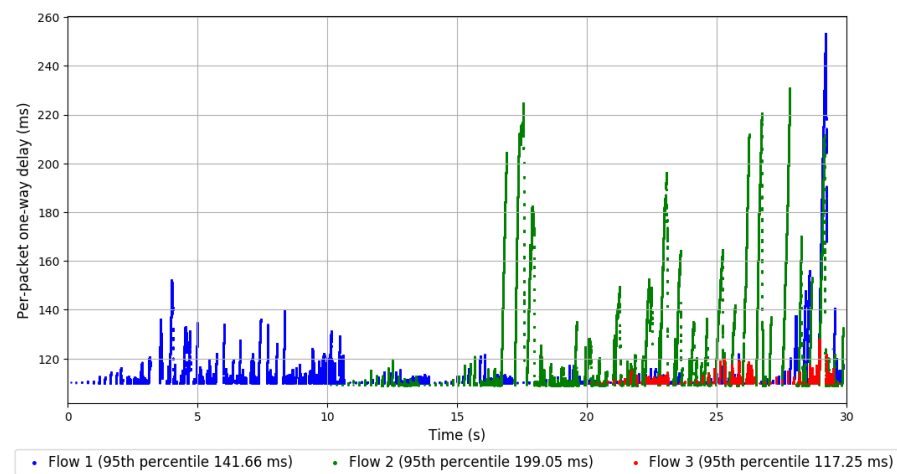
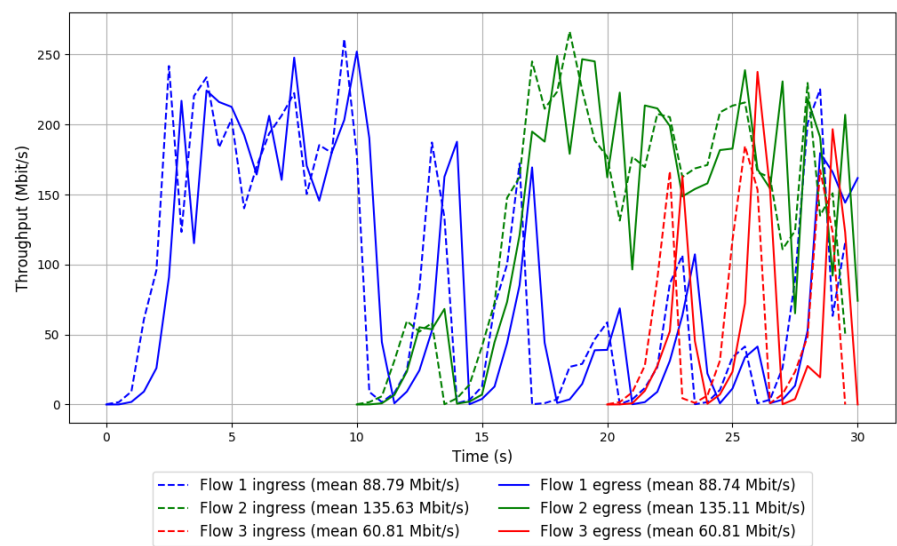


Run 2: Statistics of Verus

Start at: 2019-01-02 23:31:23
End at: 2019-01-02 23:31:53
Local clock offset: -0.71 ms
Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-01-03 03:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.92 Mbit/s
95th percentile per-packet one-way delay: 182.608 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 141.659 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 135.11 Mbit/s
95th percentile per-packet one-way delay: 199.047 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 117.247 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

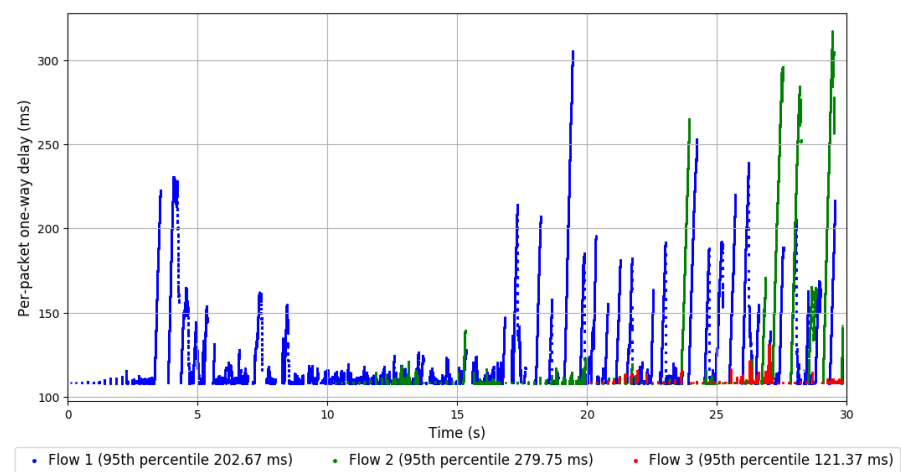
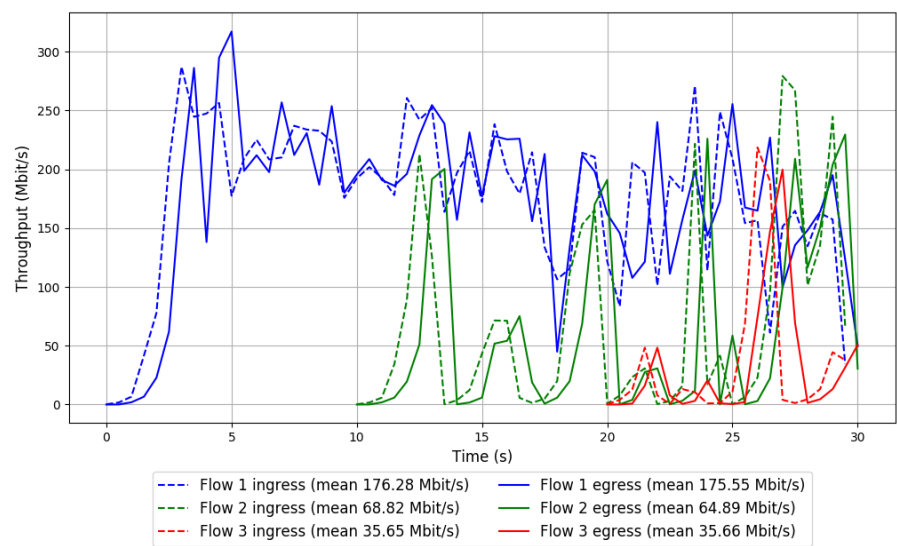


Run 3: Statistics of Verus

Start at: 2019-01-03 00:05:50
End at: 2019-01-03 00:06:20
Local clock offset: 0.137 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2019-01-03 03:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.26 Mbit/s
95th percentile per-packet one-way delay: 222.355 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 202.670 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 279.755 ms
Loss rate: 5.70%
-- Flow 3:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 121.366 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-03 00:40:40

End at: 2019-01-03 00:41:10

Local clock offset: 1.046 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-01-03 03:54:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.06 Mbit/s

95th percentile per-packet one-way delay: 228.573 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 133.46 Mbit/s

95th percentile per-packet one-way delay: 200.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.49 Mbit/s

95th percentile per-packet one-way delay: 247.288 ms

Loss rate: 2.08%

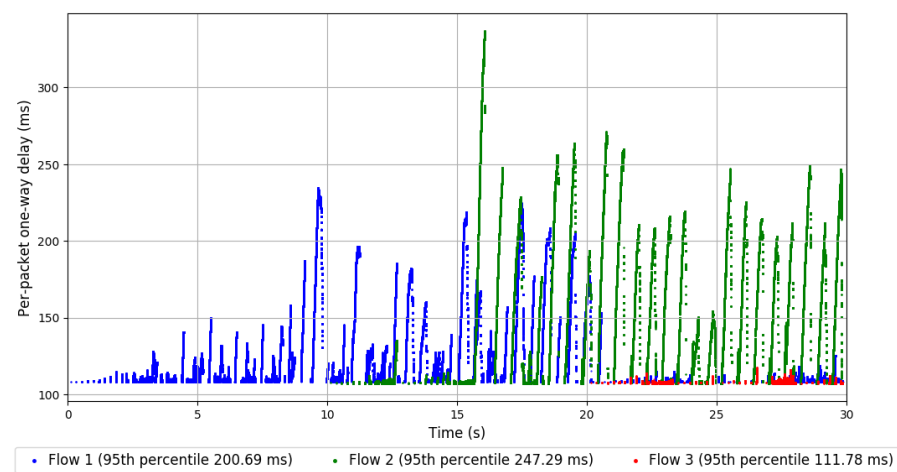
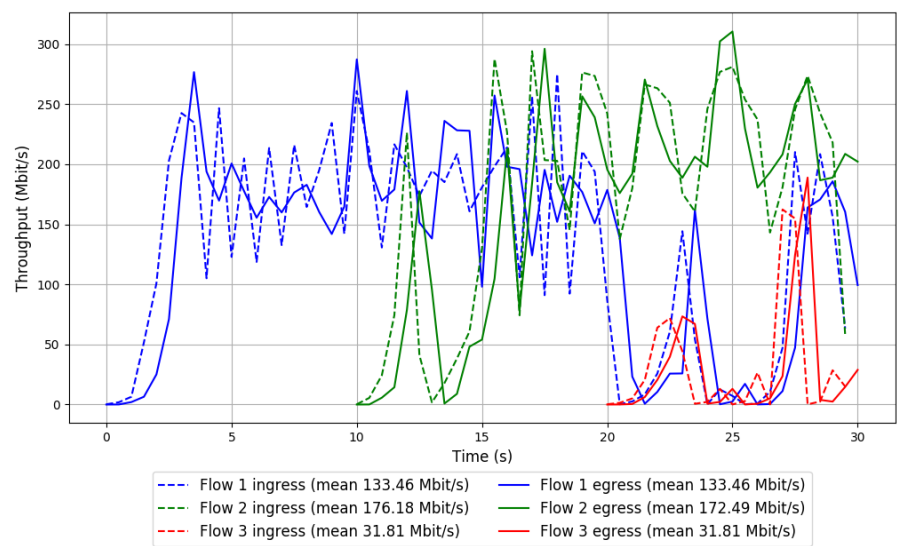
-- Flow 3:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 111.778 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-03 01:15:29

End at: 2019-01-03 01:15:59

Local clock offset: 0.474 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-01-03 03:55:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.35 Mbit/s

95th percentile per-packet one-way delay: 260.078 ms

Loss rate: 9.44%

-- Flow 1:

Average throughput: 195.67 Mbit/s

95th percentile per-packet one-way delay: 263.355 ms

Loss rate: 12.34%

-- Flow 2:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 221.741 ms

Loss rate: 0.00%

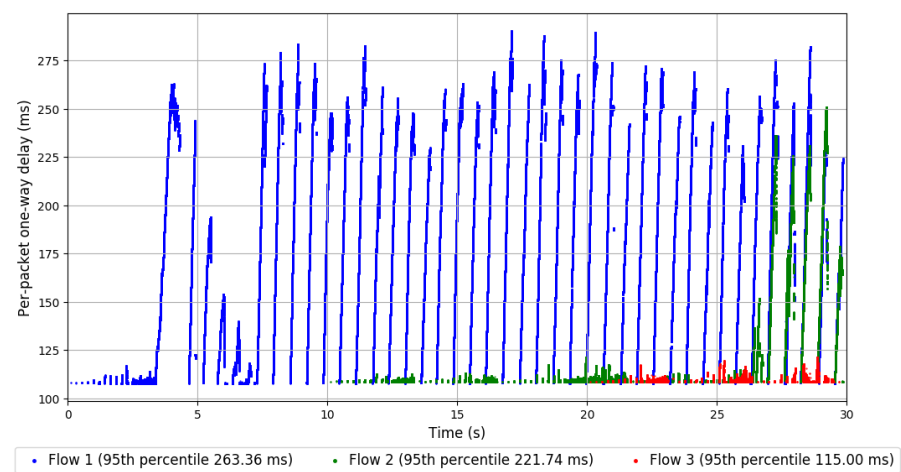
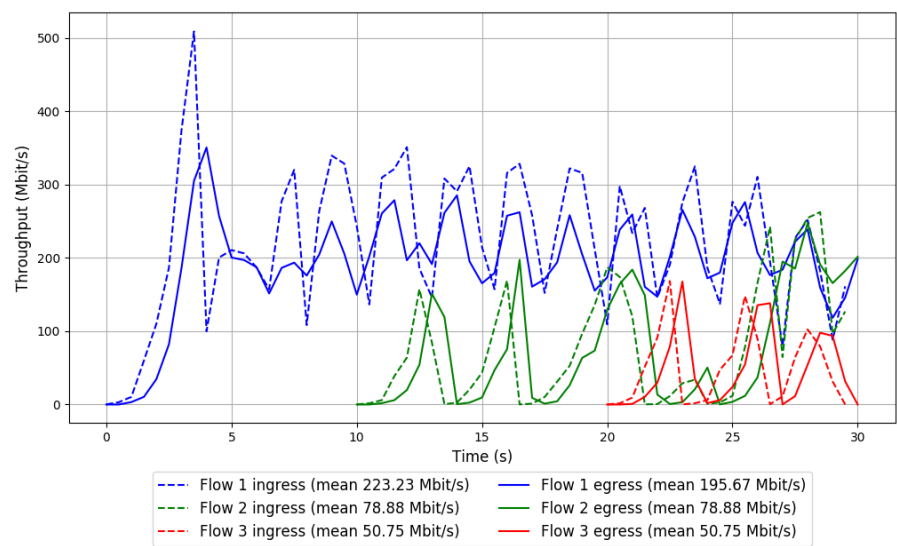
-- Flow 3:

Average throughput: 50.75 Mbit/s

95th percentile per-packet one-way delay: 115.005 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

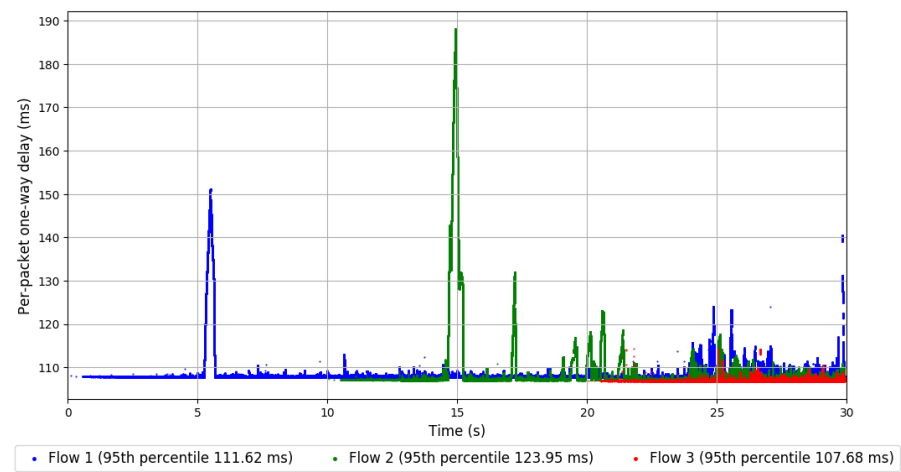
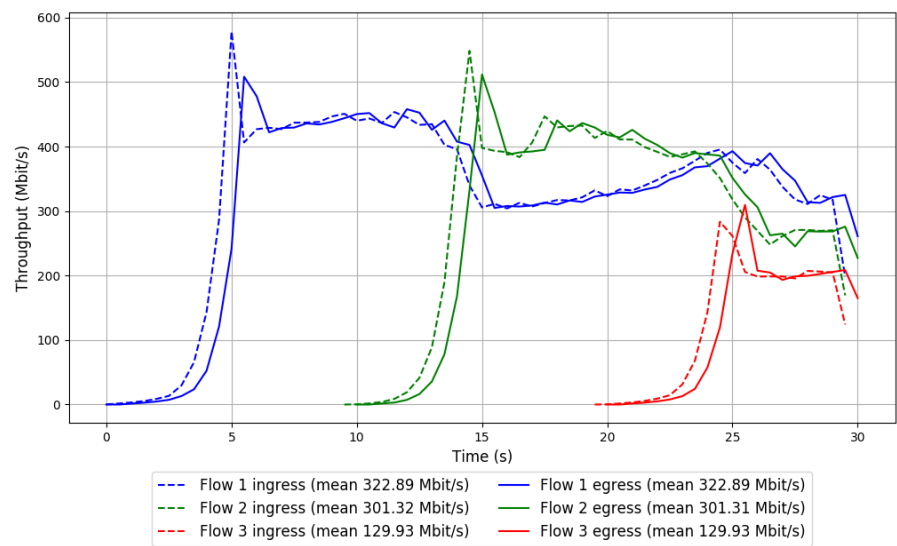


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-02 23:03:04
End at: 2019-01-02 23:03:34
Local clock offset: 1.271 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-01-03 03:57:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 566.71 Mbit/s
95th percentile per-packet one-way delay: 114.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.89 Mbit/s
95th percentile per-packet one-way delay: 111.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 301.31 Mbit/s
95th percentile per-packet one-way delay: 123.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.93 Mbit/s
95th percentile per-packet one-way delay: 107.682 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

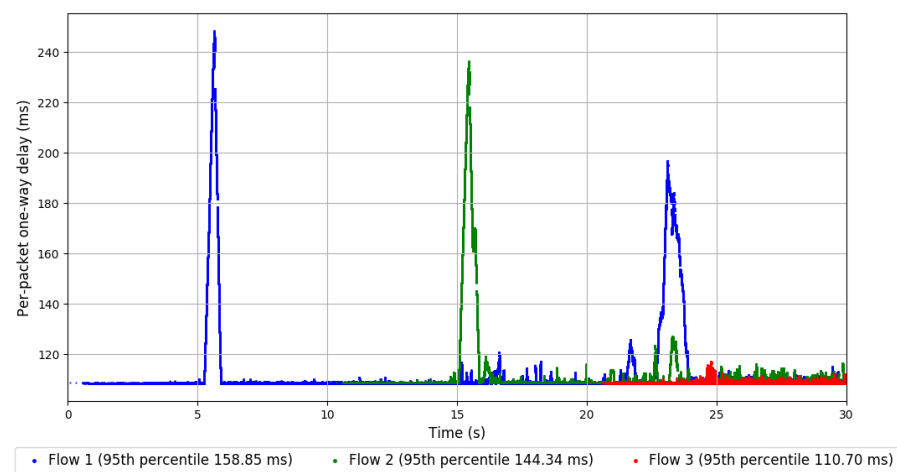
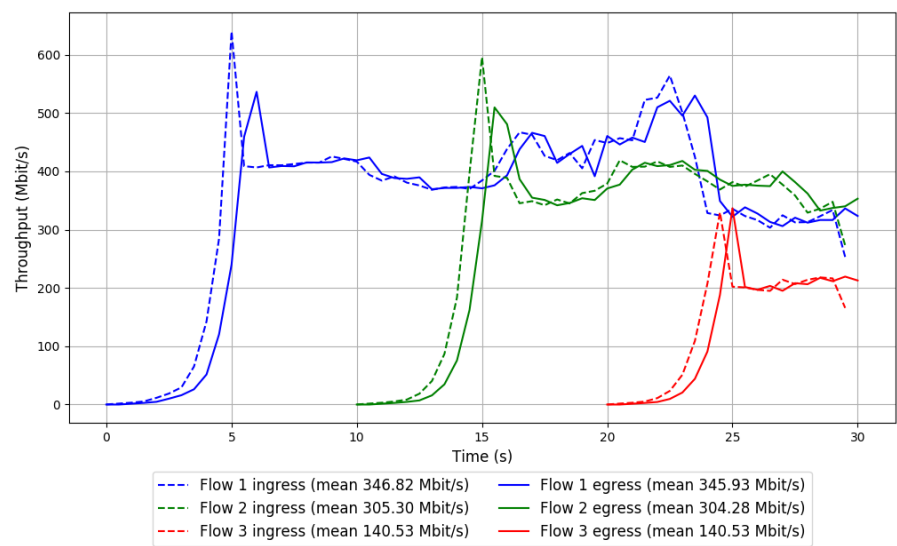


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-02 23:37:57
End at: 2019-01-02 23:38:27
Local clock offset: 0.825 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-01-03 03:58:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.60 Mbit/s
95th percentile per-packet one-way delay: 149.033 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 345.93 Mbit/s
95th percentile per-packet one-way delay: 158.853 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 304.28 Mbit/s
95th percentile per-packet one-way delay: 144.340 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 140.53 Mbit/s
95th percentile per-packet one-way delay: 110.705 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

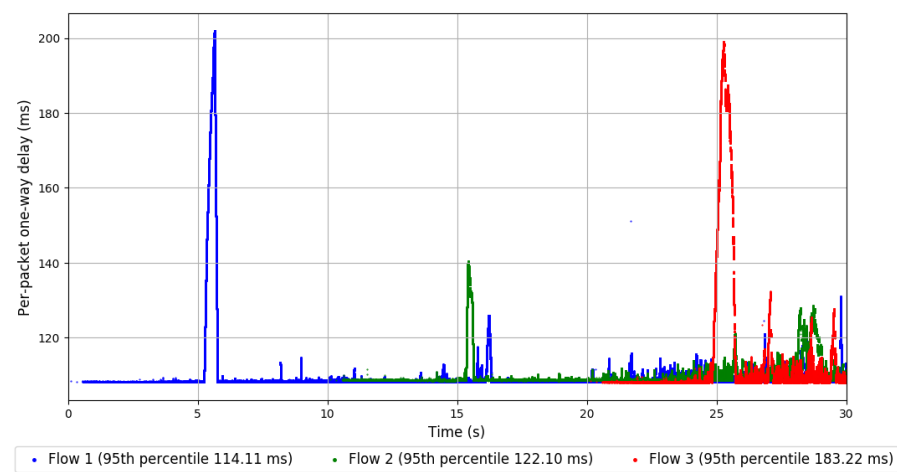
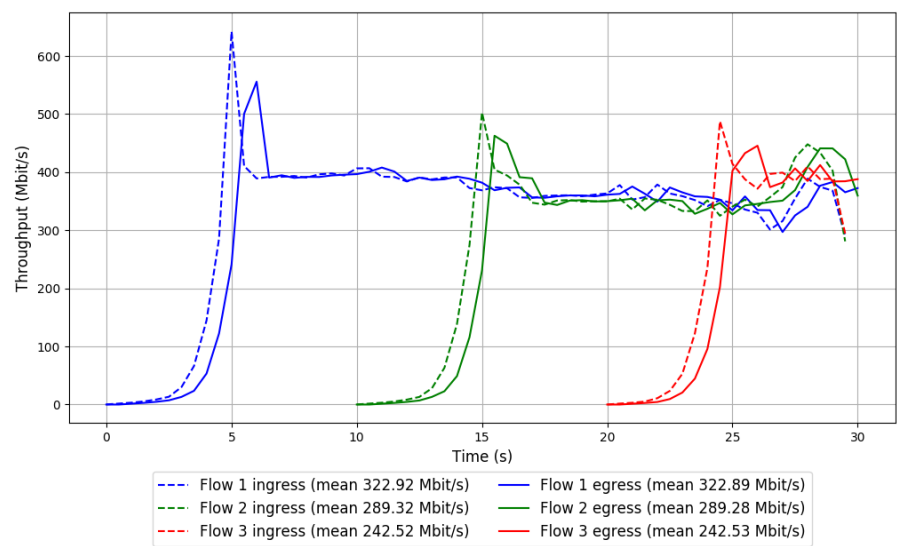


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-03 00:12:22
End at: 2019-01-03 00:12:52
Local clock offset: 0.699 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2019-01-03 03:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.18 Mbit/s
95th percentile per-packet one-way delay: 124.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 322.89 Mbit/s
95th percentile per-packet one-way delay: 114.108 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 289.28 Mbit/s
95th percentile per-packet one-way delay: 122.097 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 242.53 Mbit/s
95th percentile per-packet one-way delay: 183.215 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

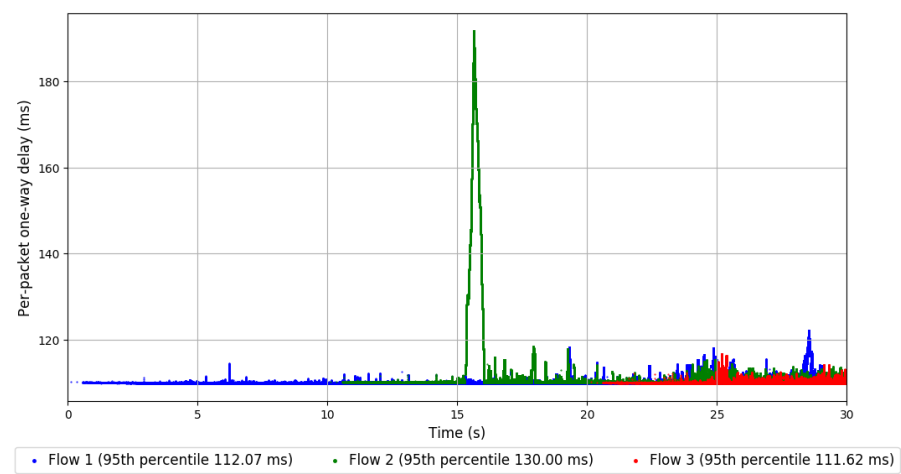
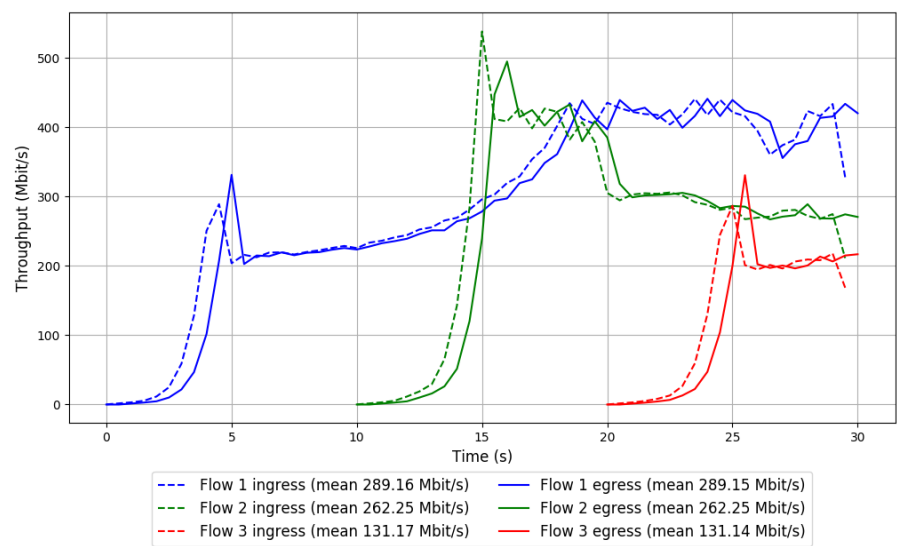


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-03 00:47:21
End at: 2019-01-03 00:47:51
Local clock offset: -0.791 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-01-03 03:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.74 Mbit/s
95th percentile per-packet one-way delay: 113.280 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 289.15 Mbit/s
95th percentile per-packet one-way delay: 112.070 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 262.25 Mbit/s
95th percentile per-packet one-way delay: 130.002 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.14 Mbit/s
95th percentile per-packet one-way delay: 111.617 ms
Loss rate: 0.04%

Run 4: Report of PCC-Vivace — Data Link

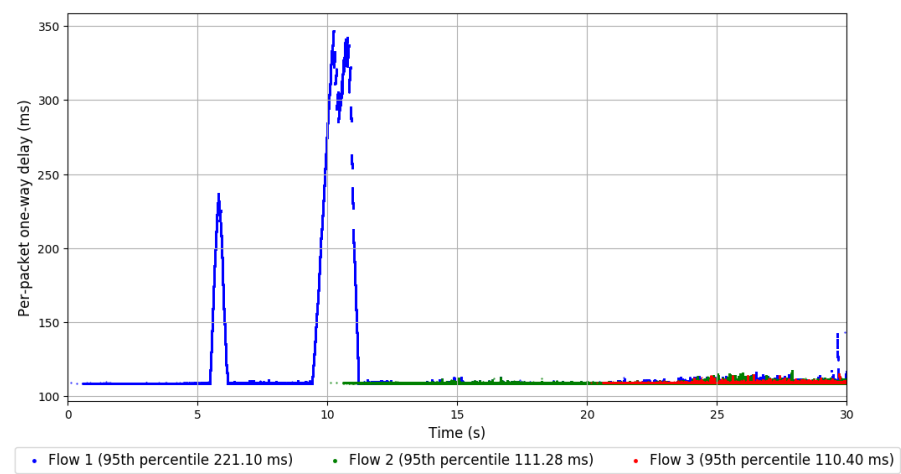
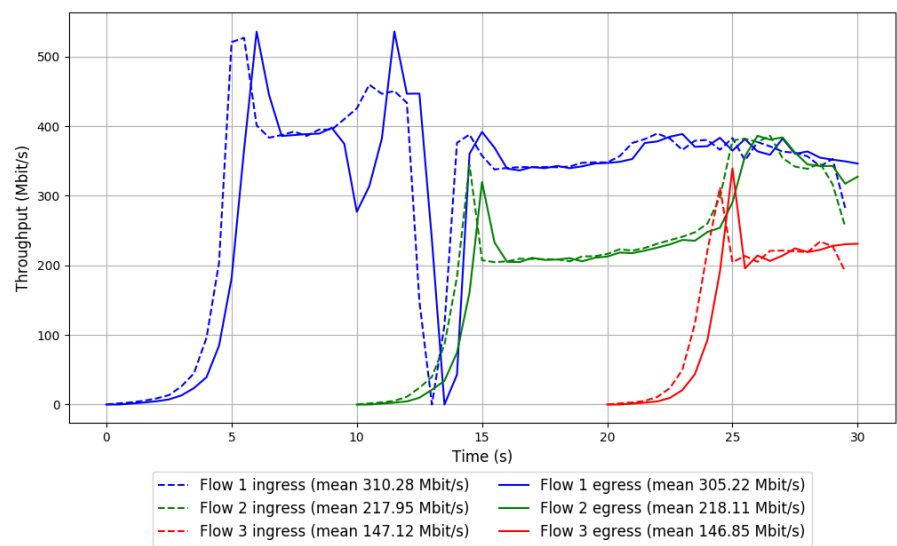


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-03 01:22:09
End at: 2019-01-03 01:22:39
Local clock offset: -0.087 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-01-03 03:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 498.54 Mbit/s
95th percentile per-packet one-way delay: 160.239 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 305.22 Mbit/s
95th percentile per-packet one-way delay: 221.101 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 111.282 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 146.85 Mbit/s
95th percentile per-packet one-way delay: 110.402 ms
Loss rate: 0.34%

Run 5: Report of PCC-Vivace — Data Link

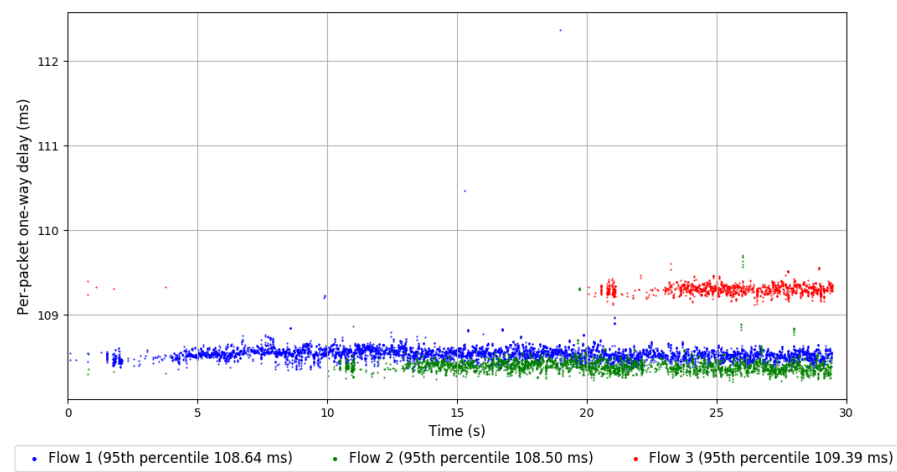
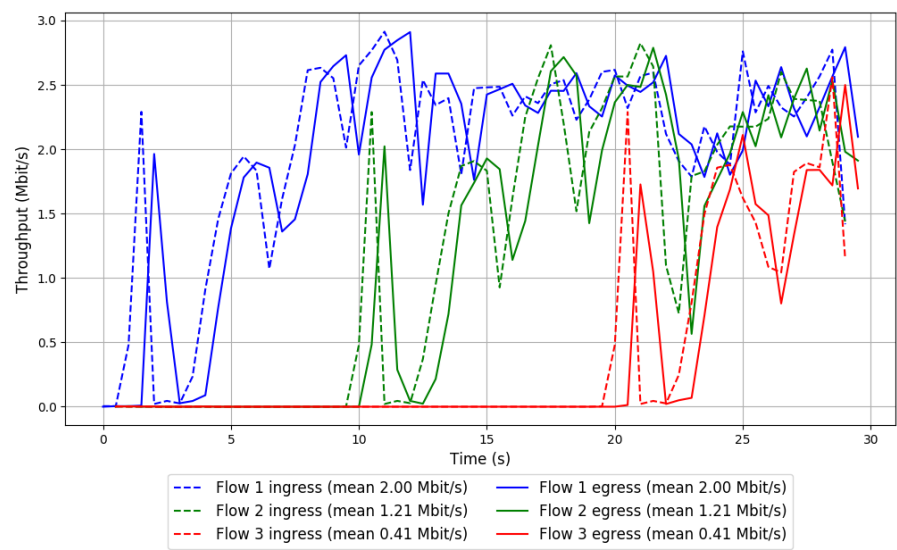


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-02 22:49:08
End at: 2019-01-02 22:49:38
Local clock offset: -0.015 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-01-03 03:58:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 109.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 108.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 108.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 109.390 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

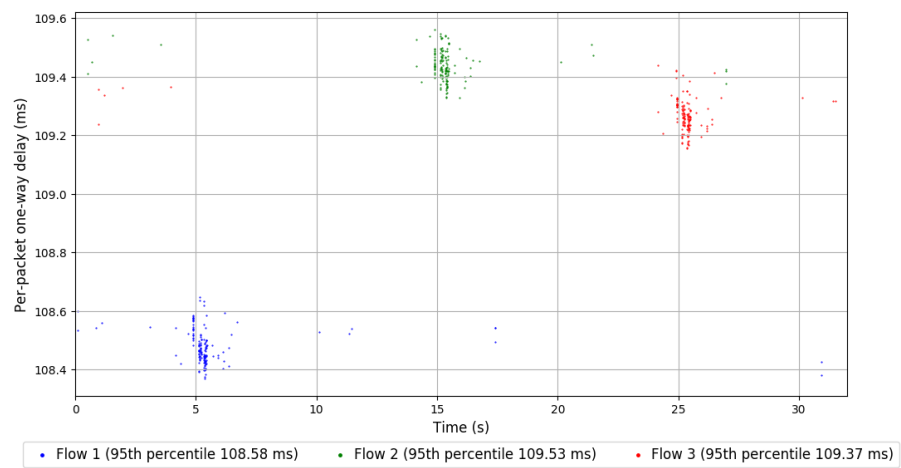
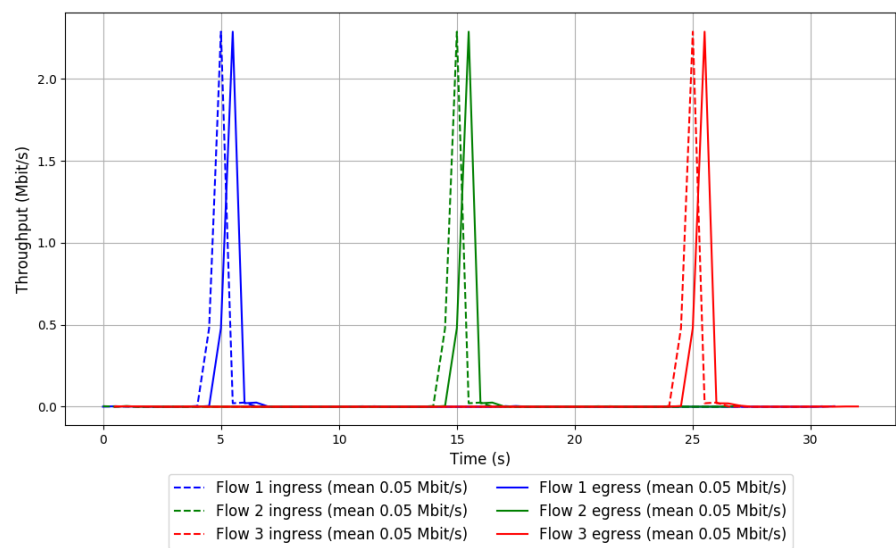


Run 2: Statistics of WebRTC media

Start at: 2019-01-02 23:24:21
End at: 2019-01-02 23:24:51
Local clock offset: -0.138 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-01-03 03:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.533 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.367 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

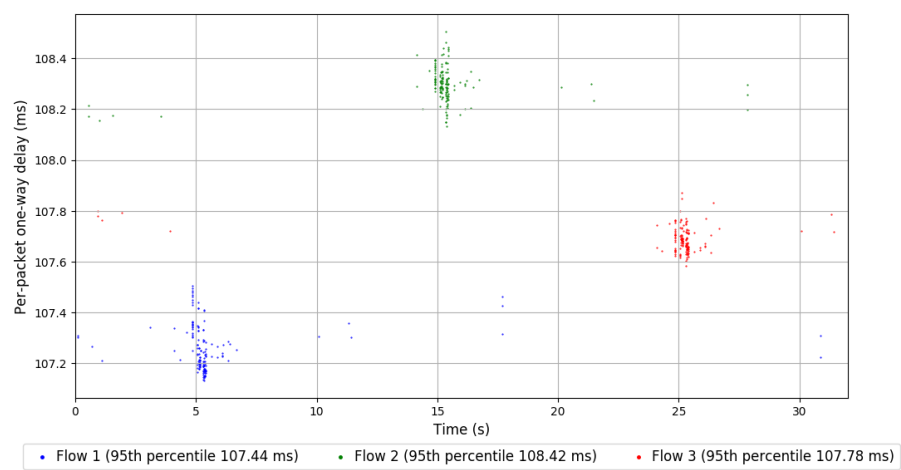
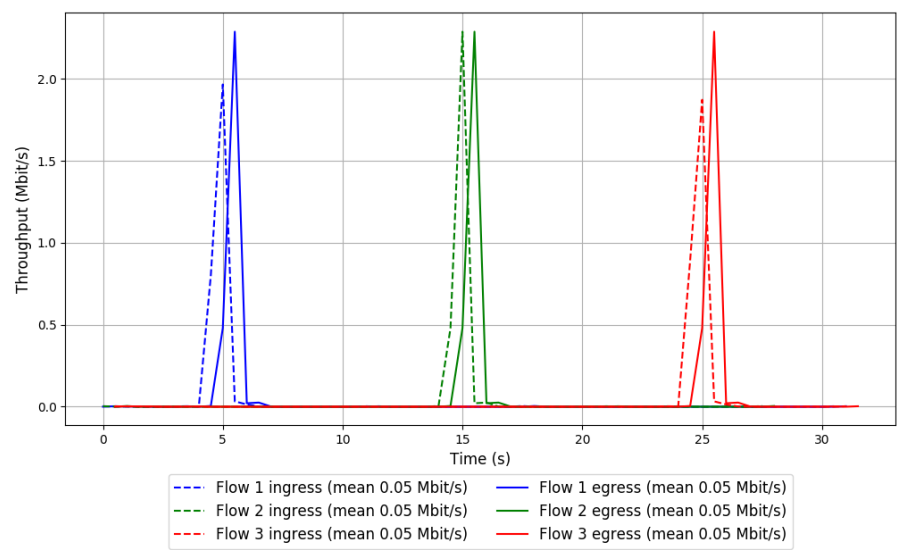


Run 3: Statistics of WebRTC media

Start at: 2019-01-02 23:59:18
End at: 2019-01-02 23:59:48
Local clock offset: 1.263 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2019-01-03 03:58:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 108.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.778 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

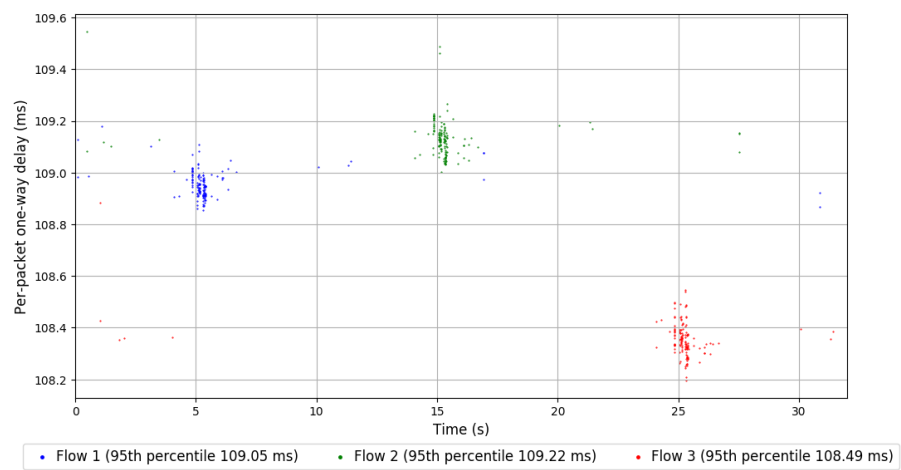
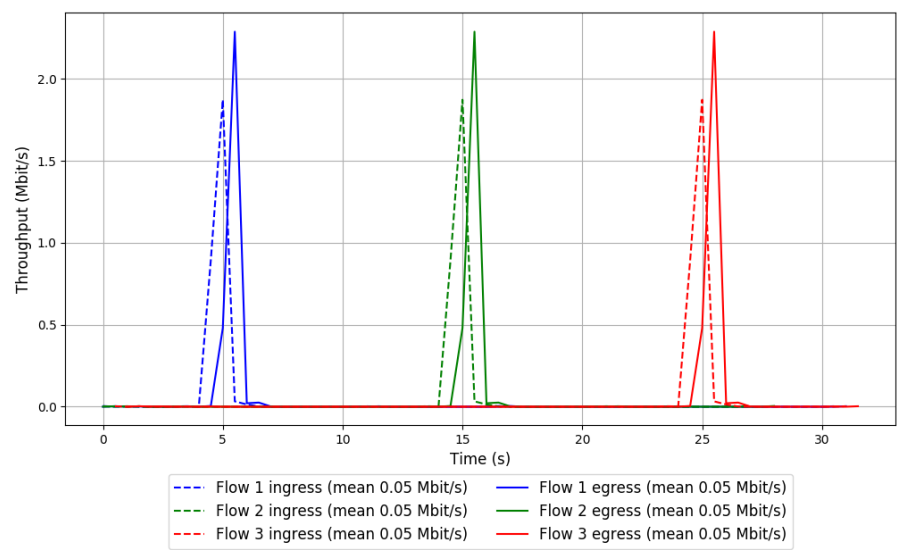


Run 4: Statistics of WebRTC media

Start at: 2019-01-03 00:33:51
End at: 2019-01-03 00:34:21
Local clock offset: 0.145 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-01-03 03:58:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.486 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-03 01:08:09
End at: 2019-01-03 01:08:39
Local clock offset: -0.185 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-01-03 03:58:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.776 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

