

Pantheon Report

Generated at 2018-08-23 01:57:06 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

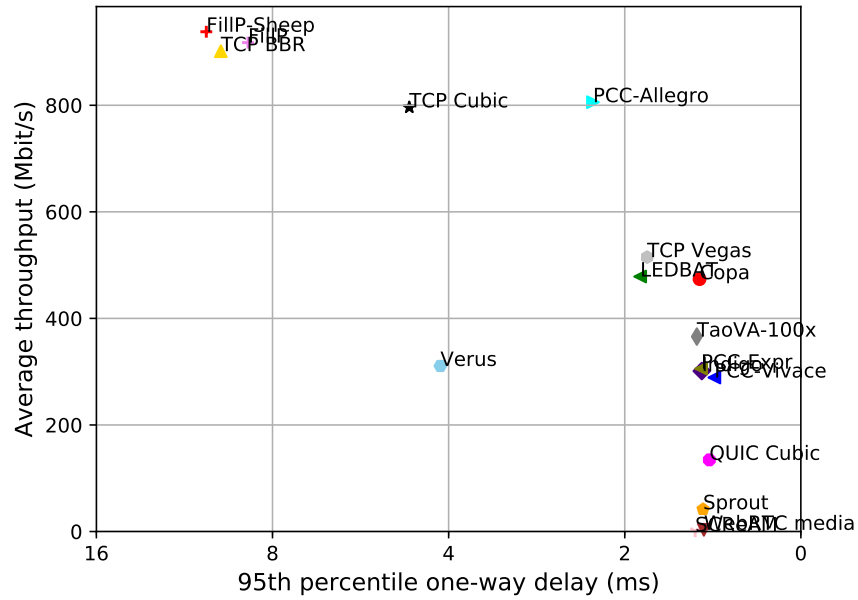
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

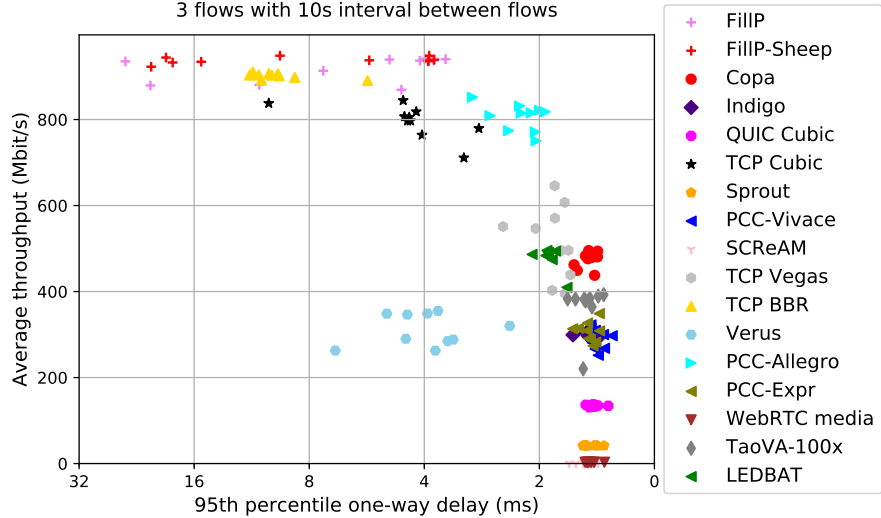
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



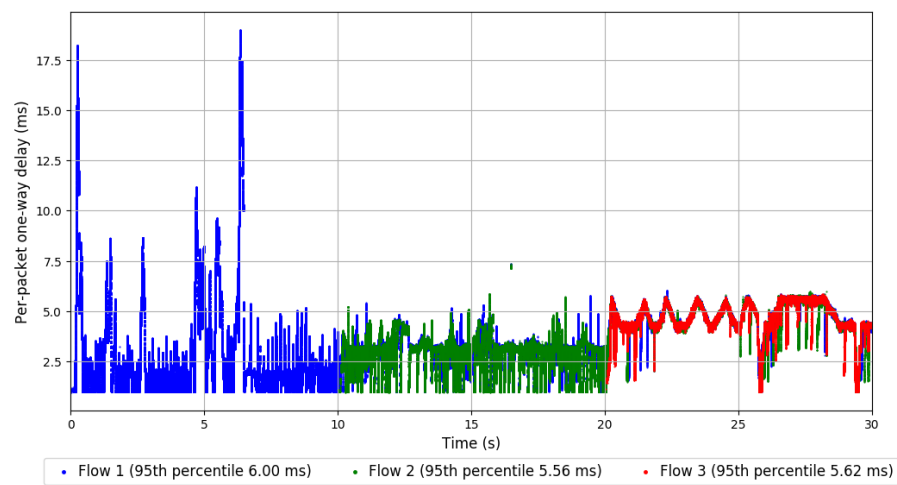
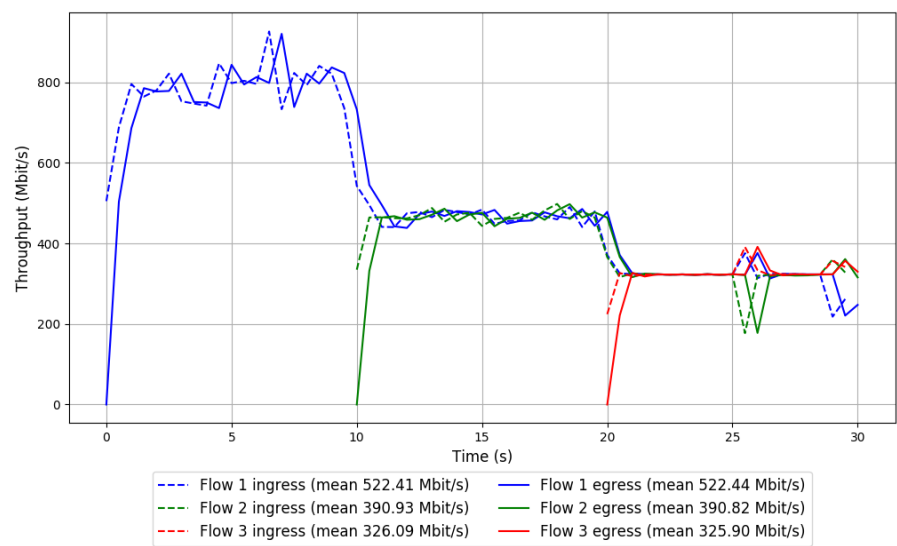
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	532.28	392.98	324.43	10.30	4.70	4.77	0.04	0.11	0.24
Copa	10	284.59	216.04	136.37	1.16	1.15	1.16	0.03	0.07	0.21
TCP Cubic	10	434.52	377.10	332.85	5.30	3.91	4.26	0.05	0.09	0.22
FillP	10	558.96	394.39	292.78	13.06	3.91	4.49	0.14	0.12	0.26
FillP-Sheep	10	567.99	398.53	317.09	12.24	3.86	3.98	0.04	0.09	0.22
Indigo	10	164.91	152.49	106.20	1.11	1.14	1.19	0.04	0.08	0.19
LEDBAT	10	285.24	215.60	150.13	1.73	1.97	1.83	0.04	0.07	0.27
PCC-Allegro	10	635.42	174.10	166.75	2.25	2.19	2.27	0.02	0.11	0.22
PCC-Expr	10	209.07	109.91	71.40	1.15	1.14	1.06	0.02	0.05	0.25
QUIC Cubic	10	73.65	65.57	52.24	1.04	1.04	1.04	0.05	0.09	0.23
SCReAM	10	0.22	0.22	0.22	1.20	1.19	1.19	0.07	0.19	0.28
Sprout	10	21.01	20.91	21.02	1.11	1.10	1.09	0.10	0.06	0.20
TaoVA-100x	10	199.93	192.07	114.90	1.15	1.17	1.41	0.05	0.06	0.18
TCP Vegas	10	215.04	283.04	336.17	1.53	1.67	1.99	0.05	0.09	0.20
Verus	10	184.23	135.94	109.51	5.19	2.02	2.14	0.04	0.07	0.21
PCC-Vivace	10	205.23	93.80	64.99	0.98	0.99	1.00	0.03	0.09	0.26
WebRTC media	10	1.53	1.15	0.50	1.10	1.10	1.11	0.02	0.08	0.35

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 19:03:09
End at: 2018-08-22 19:03:39
Local clock offset: 0.653 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-08-22 23:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.68 Mbit/s
95th percentile per-packet one-way delay: 5.630 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 522.44 Mbit/s
95th percentile per-packet one-way delay: 6.000 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 390.82 Mbit/s
95th percentile per-packet one-way delay: 5.564 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 325.90 Mbit/s
95th percentile per-packet one-way delay: 5.625 ms
Loss rate: 0.25%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-22 19:30:00

End at: 2018-08-22 19:30:30

Local clock offset: 0.593 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-08-22 23:55:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 898.11 Mbit/s

95th percentile per-packet one-way delay: 8.724 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 528.80 Mbit/s

95th percentile per-packet one-way delay: 9.228 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 393.85 Mbit/s

95th percentile per-packet one-way delay: 4.662 ms

Loss rate: 0.13%

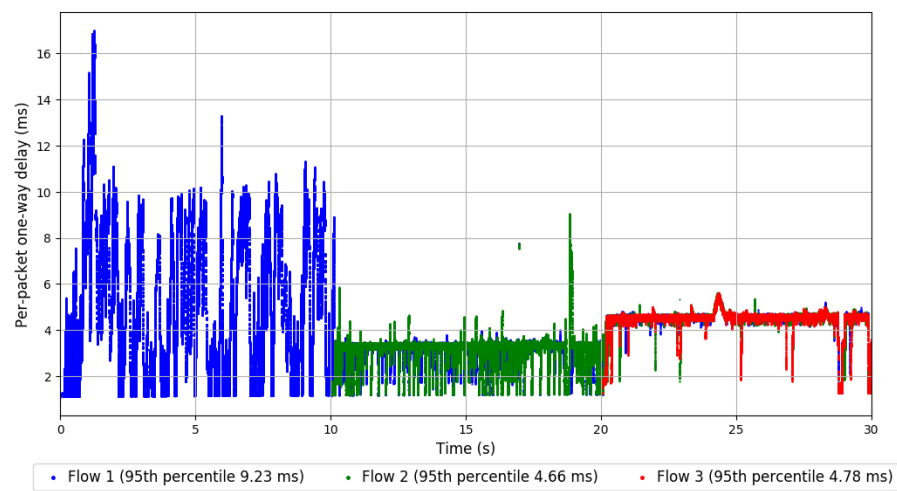
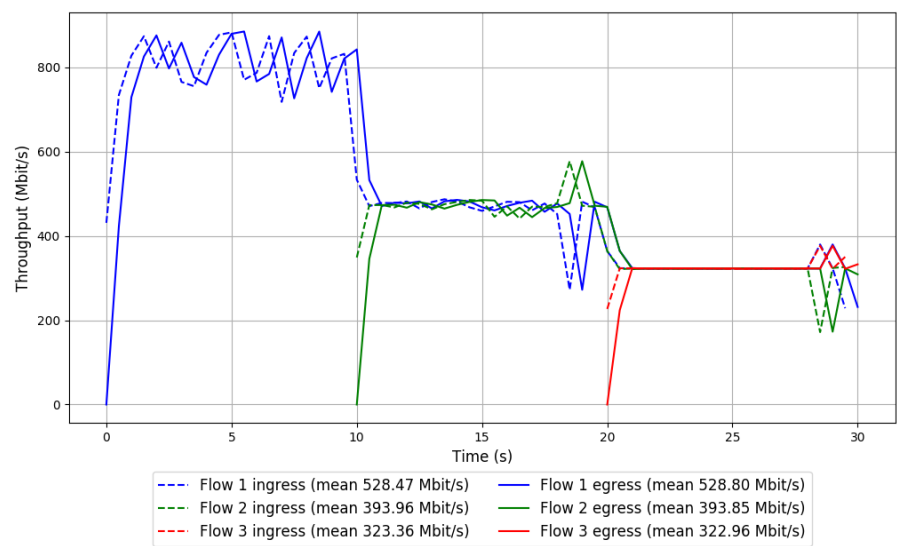
-- Flow 3:

Average throughput: 322.96 Mbit/s

95th percentile per-packet one-way delay: 4.784 ms

Loss rate: 0.32%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-22 19:56:57

End at: 2018-08-22 19:57:27

Local clock offset: 0.896 ms

Remote clock offset: 3.918 ms

Below is generated by plot.py at 2018-08-22 23:55:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 903.77 Mbit/s

95th percentile per-packet one-way delay: 10.842 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 535.82 Mbit/s

95th percentile per-packet one-way delay: 11.460 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 392.07 Mbit/s

95th percentile per-packet one-way delay: 5.366 ms

Loss rate: 0.12%

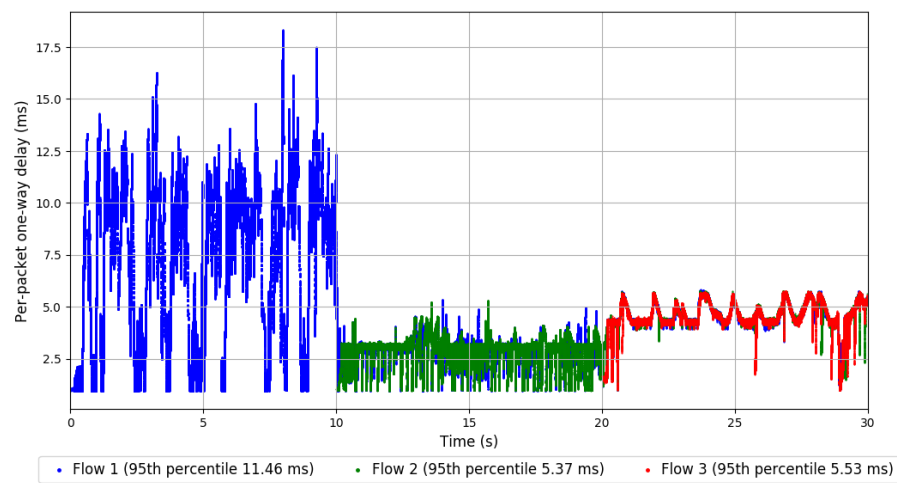
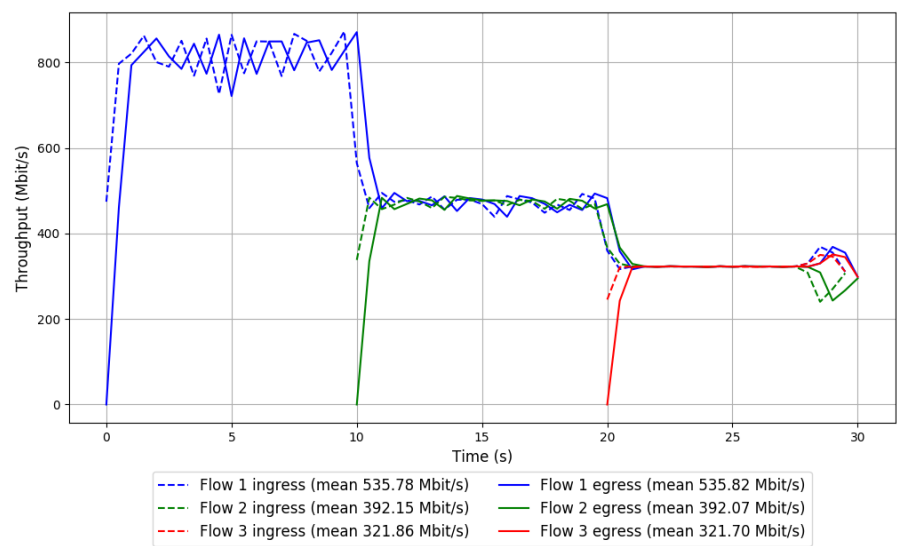
-- Flow 3:

Average throughput: 321.70 Mbit/s

95th percentile per-packet one-way delay: 5.531 ms

Loss rate: 0.26%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-22 20:23:46

End at: 2018-08-22 20:24:16

Local clock offset: -2.868 ms

Remote clock offset: 3.4 ms

Below is generated by plot.py at 2018-08-22 23:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 910.56 Mbit/s

95th percentile per-packet one-way delay: 11.236 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 543.66 Mbit/s

95th percentile per-packet one-way delay: 11.701 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 390.58 Mbit/s

95th percentile per-packet one-way delay: 4.480 ms

Loss rate: 0.10%

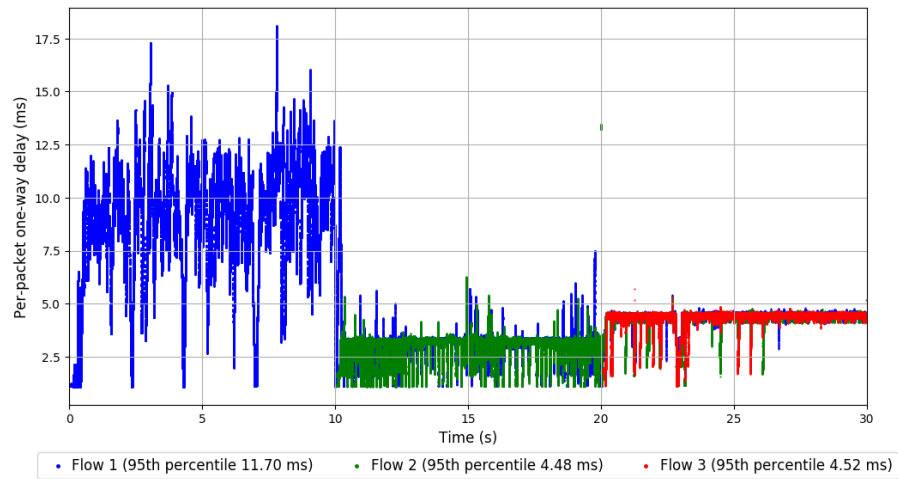
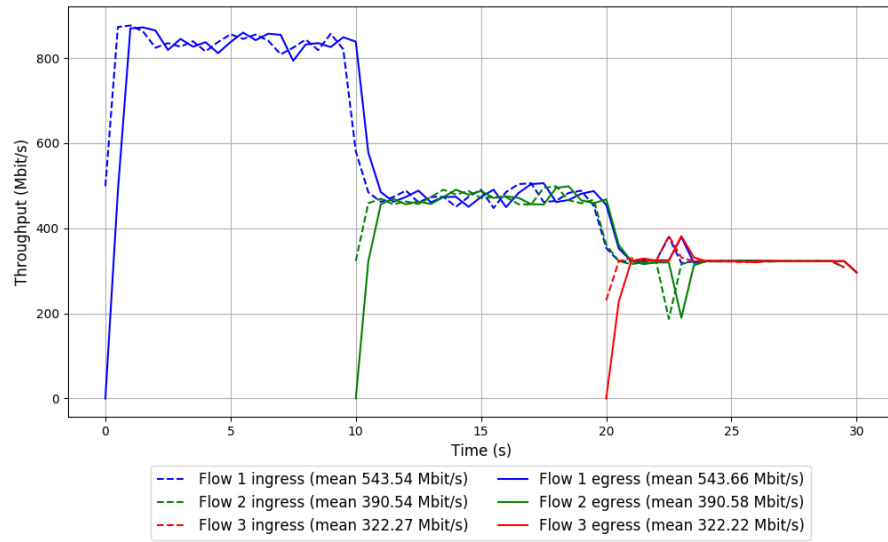
-- Flow 3:

Average throughput: 322.22 Mbit/s

95th percentile per-packet one-way delay: 4.521 ms

Loss rate: 0.24%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-22 20:50:41

End at: 2018-08-22 20:51:11

Local clock offset: -4.689 ms

Remote clock offset: 3.107 ms

Below is generated by plot.py at 2018-08-22 23:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 906.08 Mbit/s

95th percentile per-packet one-way delay: 9.671 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 536.92 Mbit/s

95th percentile per-packet one-way delay: 10.159 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 391.96 Mbit/s

95th percentile per-packet one-way delay: 4.366 ms

Loss rate: 0.10%

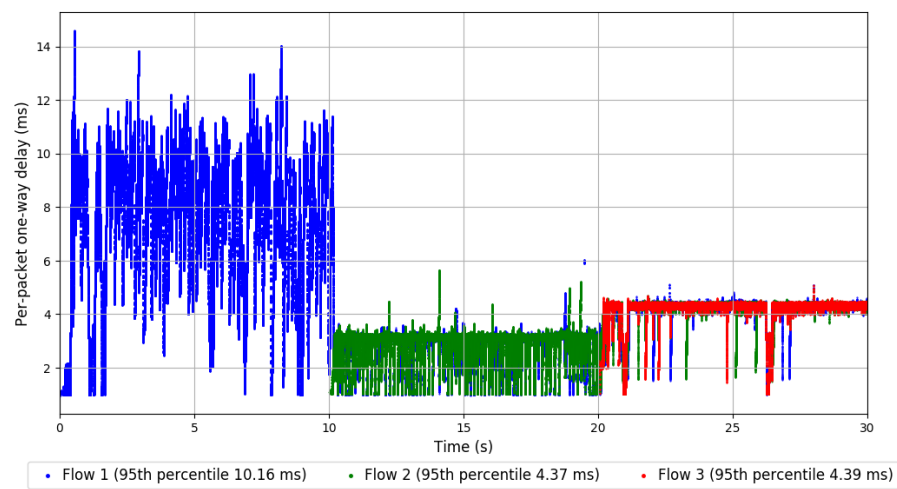
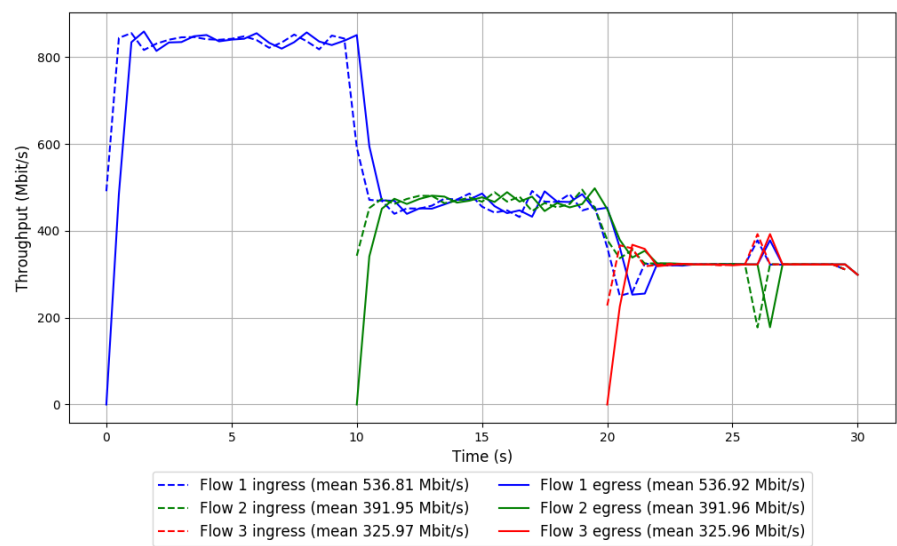
-- Flow 3:

Average throughput: 325.96 Mbit/s

95th percentile per-packet one-way delay: 4.393 ms

Loss rate: 0.23%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-22 21:17:28

End at: 2018-08-22 21:17:58

Local clock offset: -3.261 ms

Remote clock offset: 2.805 ms

Below is generated by plot.py at 2018-08-22 23:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 901.57 Mbit/s

95th percentile per-packet one-way delay: 9.582 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 530.22 Mbit/s

95th percentile per-packet one-way delay: 10.154 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 396.88 Mbit/s

95th percentile per-packet one-way delay: 4.288 ms

Loss rate: 0.13%

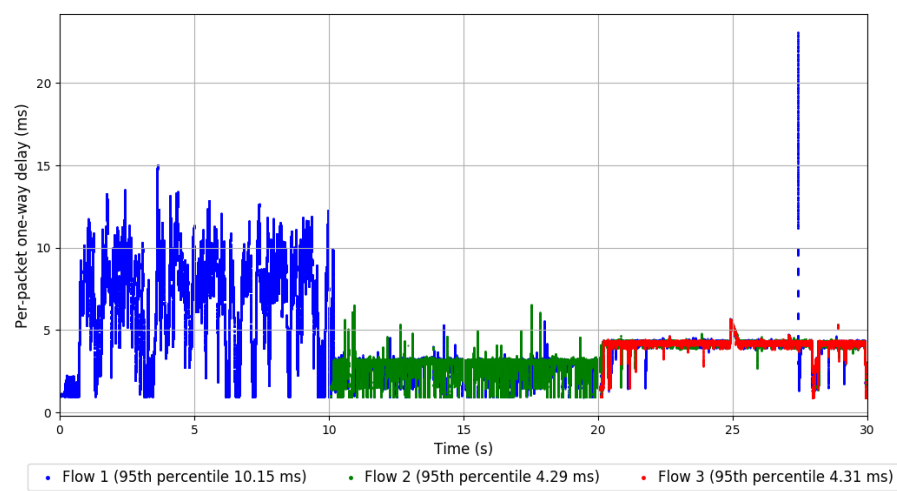
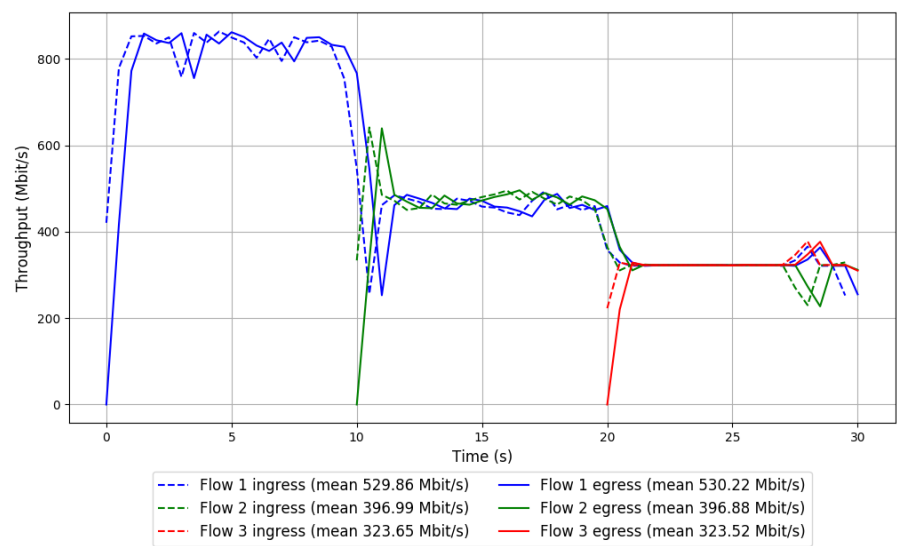
-- Flow 3:

Average throughput: 323.52 Mbit/s

95th percentile per-packet one-way delay: 4.313 ms

Loss rate: 0.24%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-22 21:44:21

End at: 2018-08-22 21:44:52

Local clock offset: -2.448 ms

Remote clock offset: 2.638 ms

Below is generated by plot.py at 2018-08-22 23:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 906.59 Mbit/s

95th percentile per-packet one-way delay: 10.203 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 536.81 Mbit/s

95th percentile per-packet one-way delay: 10.869 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 393.23 Mbit/s

95th percentile per-packet one-way delay: 4.328 ms

Loss rate: 0.09%

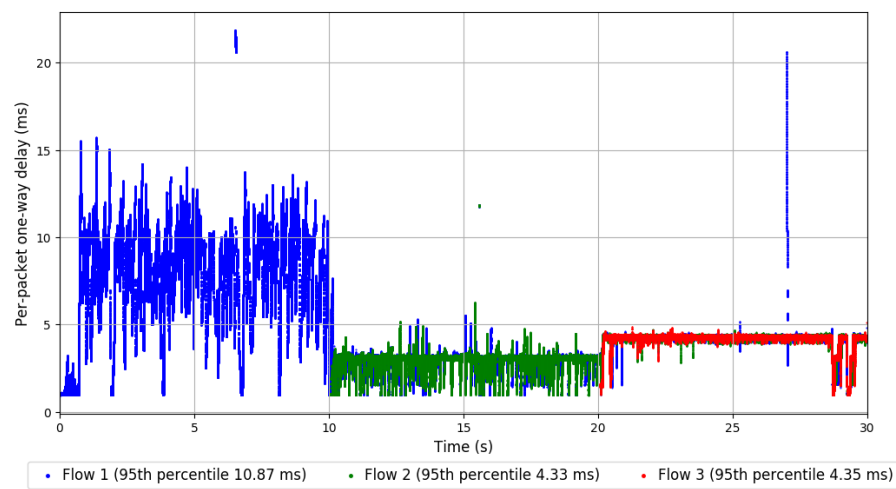
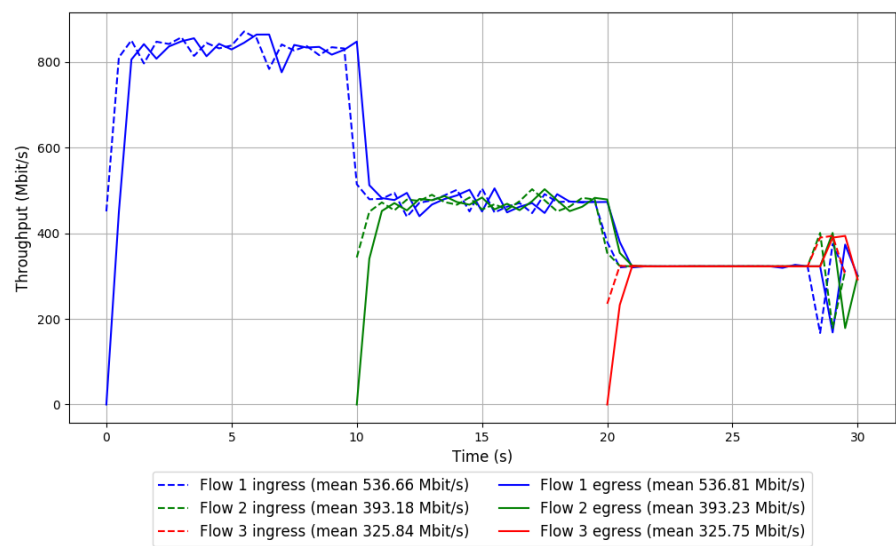
-- Flow 3:

Average throughput: 325.75 Mbit/s

95th percentile per-packet one-way delay: 4.348 ms

Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-22 22:11:16

End at: 2018-08-22 22:11:46

Local clock offset: -1.171 ms

Remote clock offset: 2.78 ms

Below is generated by plot.py at 2018-08-22 23:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 903.51 Mbit/s

95th percentile per-packet one-way delay: 11.462 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 534.40 Mbit/s

95th percentile per-packet one-way delay: 11.893 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 391.24 Mbit/s

95th percentile per-packet one-way delay: 4.173 ms

Loss rate: 0.09%

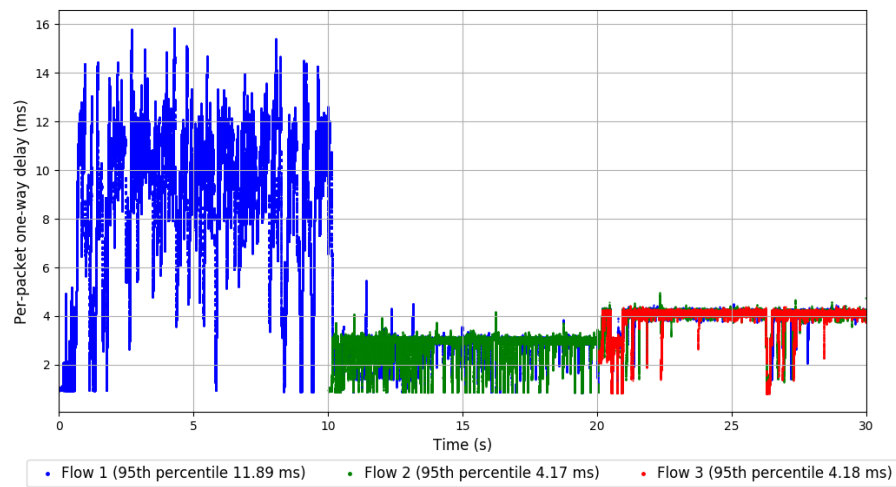
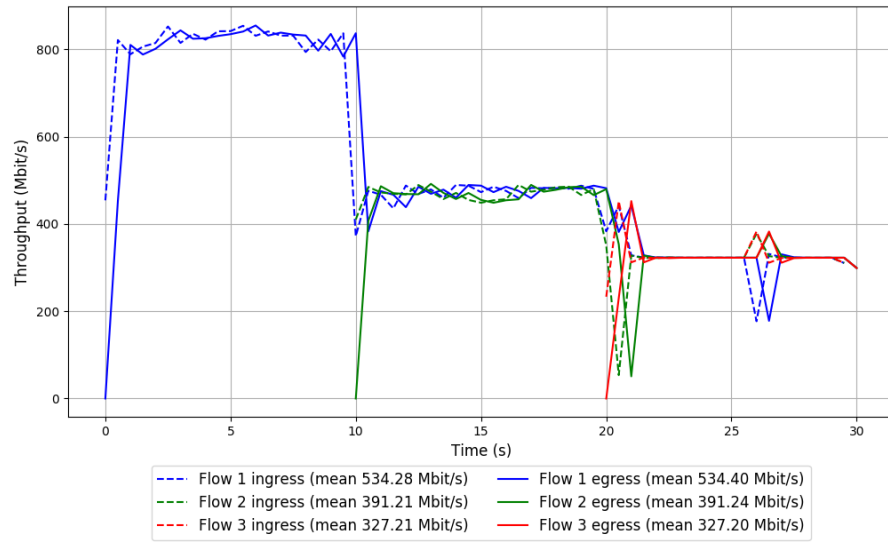
-- Flow 3:

Average throughput: 327.20 Mbit/s

95th percentile per-packet one-way delay: 4.181 ms

Loss rate: 0.22%

Run 8: Report of TCP BBR — Data Link

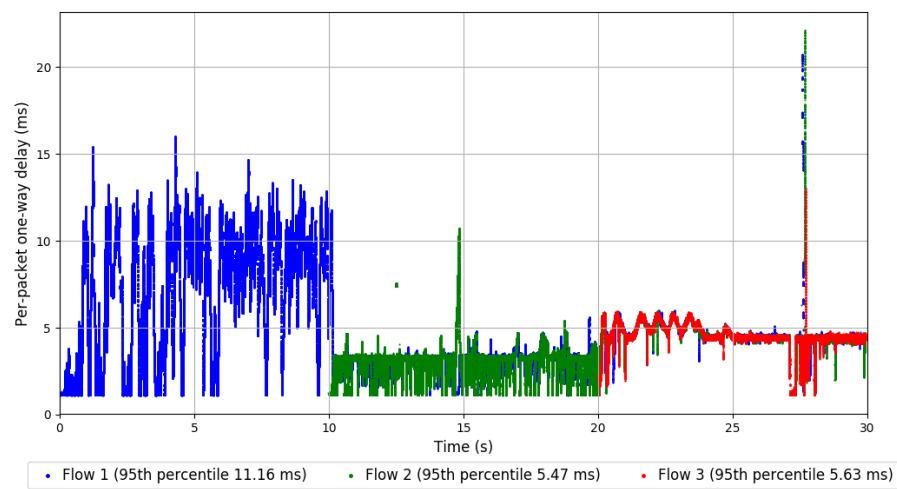
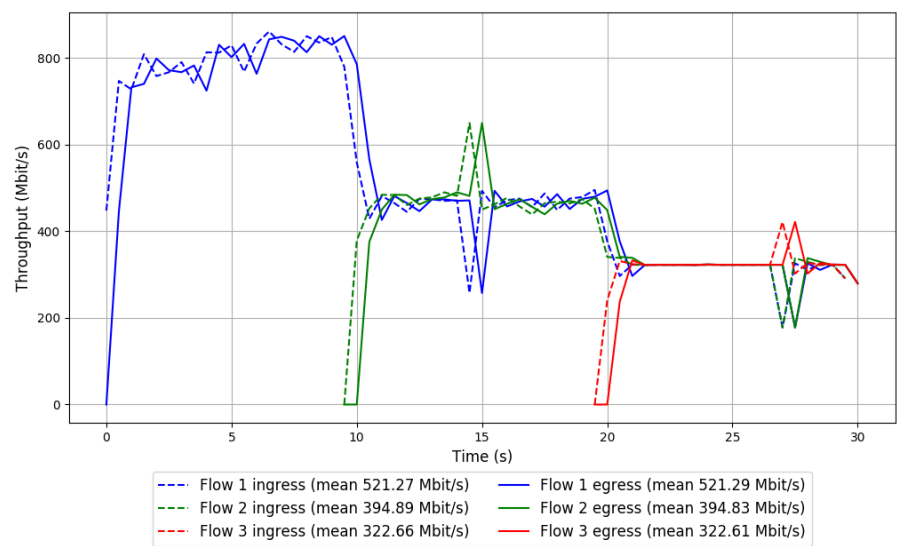


Run 9: Statistics of TCP BBR

Start at: 2018-08-22 22:38:04
End at: 2018-08-22 22:38:34
Local clock offset: 1.388 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2018-08-23 00:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 891.69 Mbit/s
95th percentile per-packet one-way delay: 10.668 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 521.29 Mbit/s
95th percentile per-packet one-way delay: 11.163 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 394.83 Mbit/s
95th percentile per-packet one-way delay: 5.474 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 322.61 Mbit/s
95th percentile per-packet one-way delay: 5.628 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

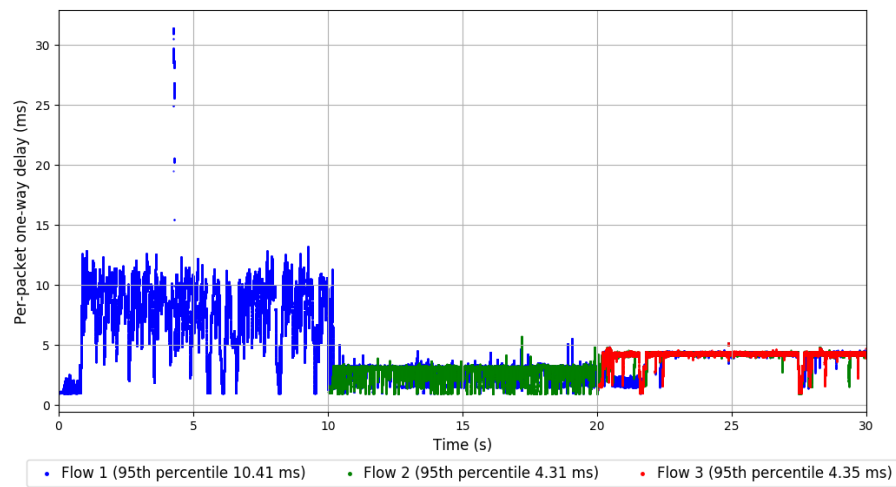
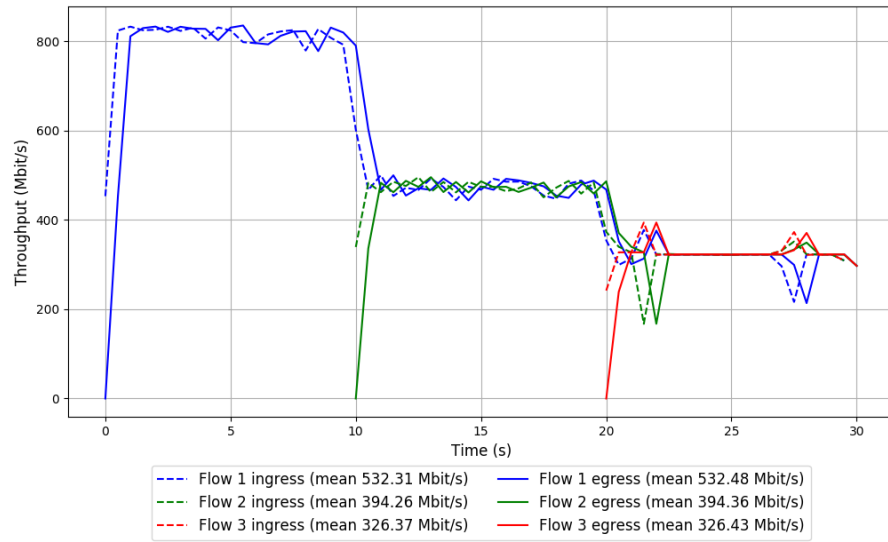


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 23:04:59
End at: 2018-08-22 23:05:29
Local clock offset: 0.792 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2018-08-23 00:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 903.22 Mbit/s
95th percentile per-packet one-way delay: 10.022 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 532.48 Mbit/s
95th percentile per-packet one-way delay: 10.407 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 394.36 Mbit/s
95th percentile per-packet one-way delay: 4.308 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 326.43 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.22%

Run 10: Report of TCP BBR — Data Link

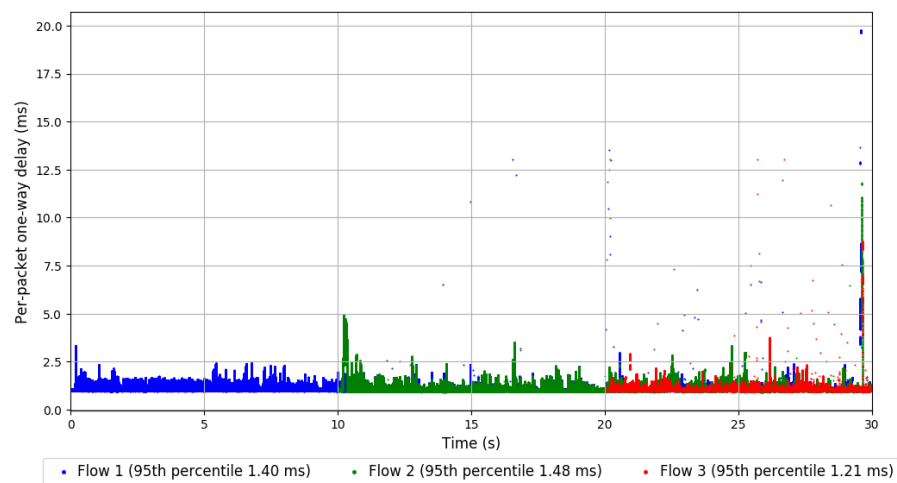
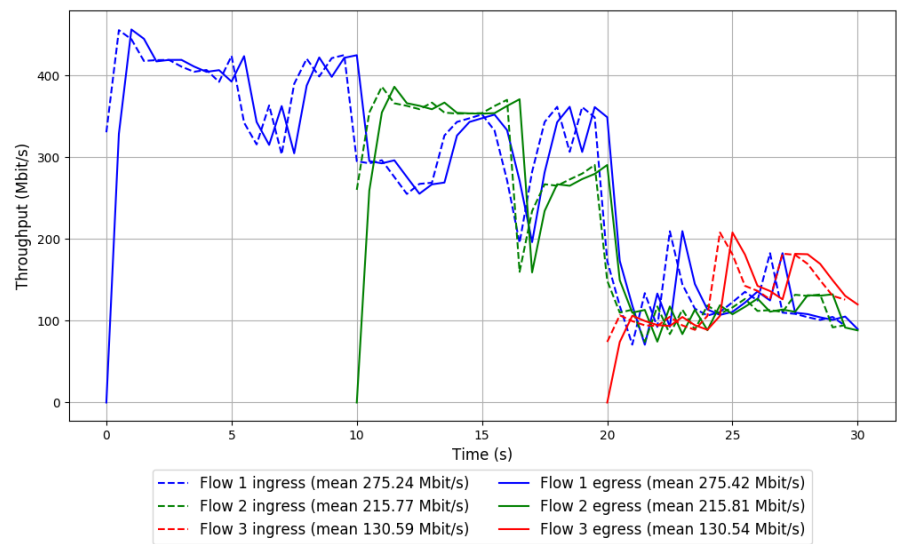


Run 1: Statistics of Copa

Start at: 2018-08-22 19:15:51
End at: 2018-08-22 19:16:21
Local clock offset: 0.534 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-23 00:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.28 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 275.42 Mbit/s
95th percentile per-packet one-way delay: 1.398 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 215.81 Mbit/s
95th percentile per-packet one-way delay: 1.479 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 130.54 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.23%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-22 19:42:41

End at: 2018-08-22 19:43:11

Local clock offset: 0.641 ms

Remote clock offset: 2.883 ms

Below is generated by plot.py at 2018-08-23 00:05:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.60 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 273.79 Mbit/s

95th percentile per-packet one-way delay: 0.981 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 238.42 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.10%

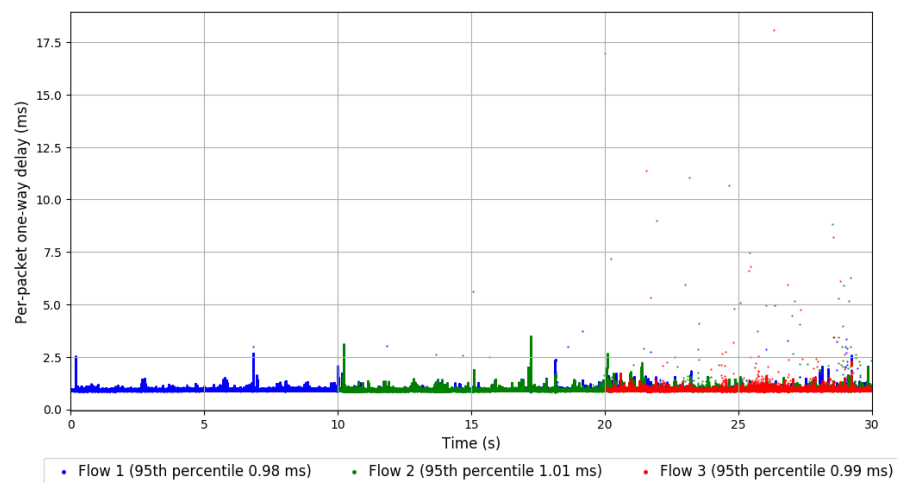
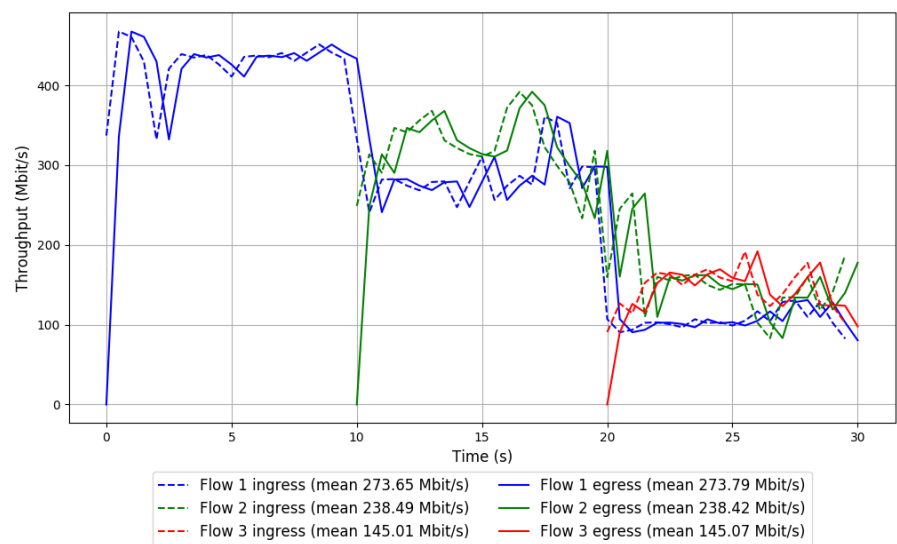
-- Flow 3:

Average throughput: 145.07 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.15%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-22 20:09:39

End at: 2018-08-22 20:10:09

Local clock offset: 0.083 ms

Remote clock offset: 3.592 ms

Below is generated by plot.py at 2018-08-23 00:05:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 449.29 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 261.22 Mbit/s

95th percentile per-packet one-way delay: 1.378 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 225.39 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.04%

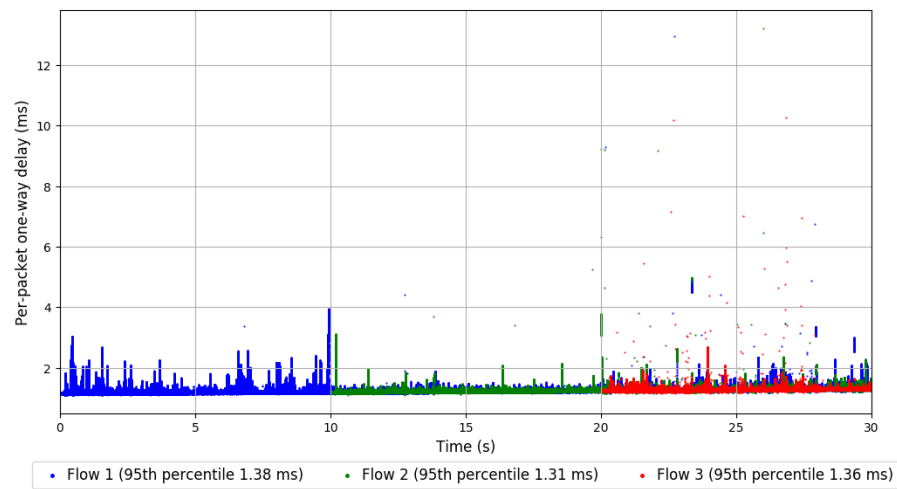
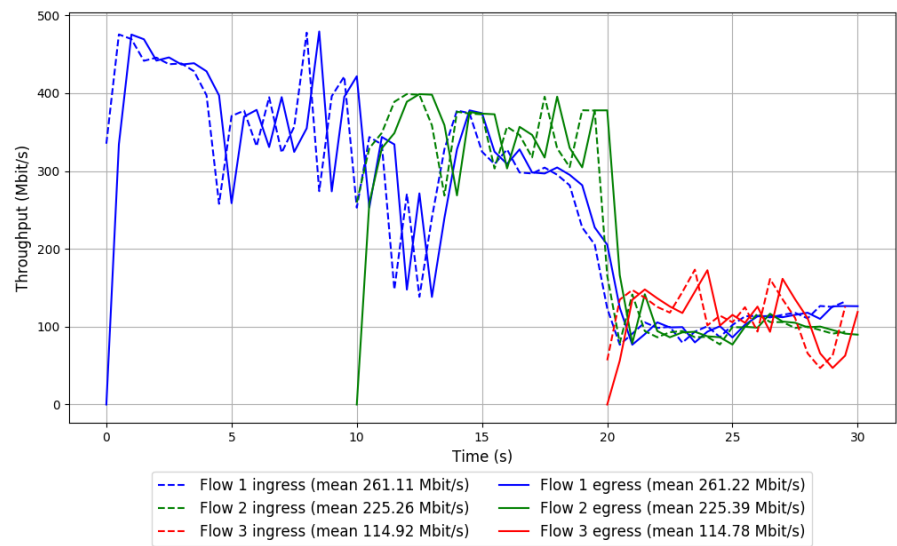
-- Flow 3:

Average throughput: 114.78 Mbit/s

95th percentile per-packet one-way delay: 1.357 ms

Loss rate: 0.31%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-22 20:36:29

End at: 2018-08-22 20:36:59

Local clock offset: -3.909 ms

Remote clock offset: 3.651 ms

Below is generated by plot.py at 2018-08-23 00:06:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.29 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 300.64 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 216.02 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.05%

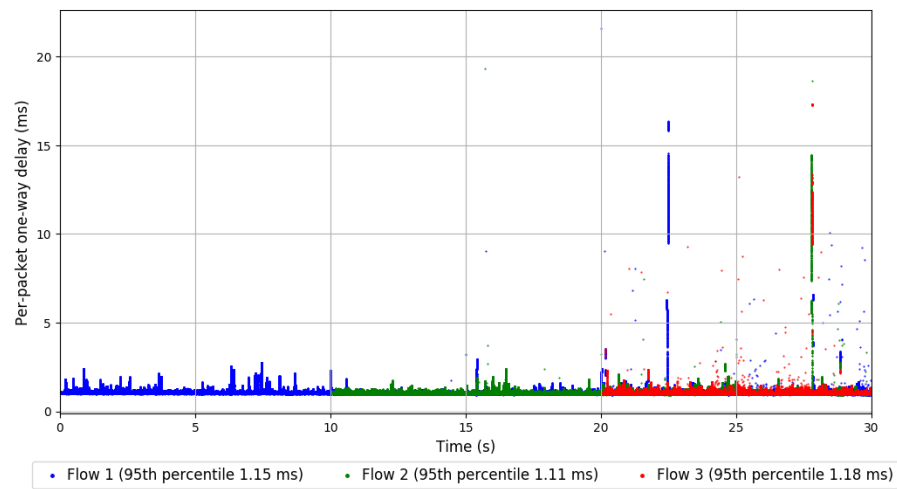
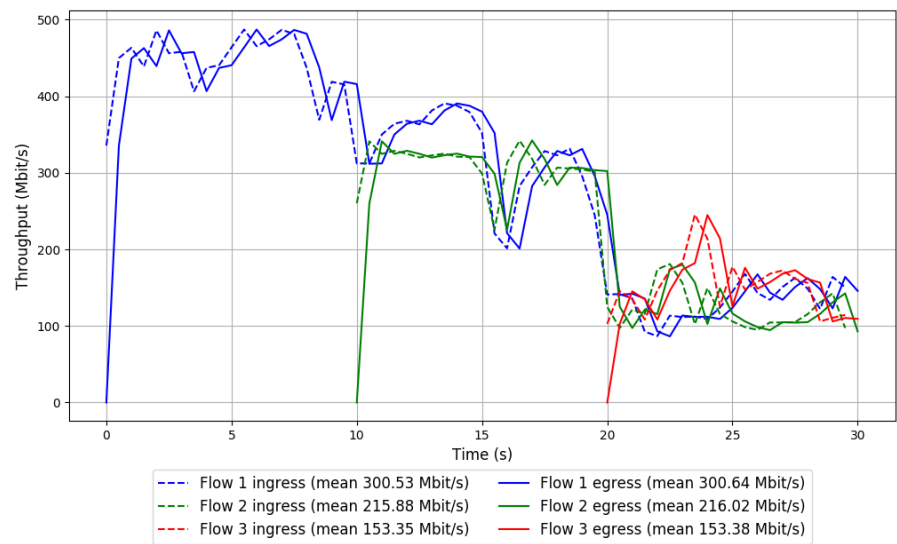
-- Flow 3:

Average throughput: 153.38 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.18%

Run 4: Report of Copa — Data Link

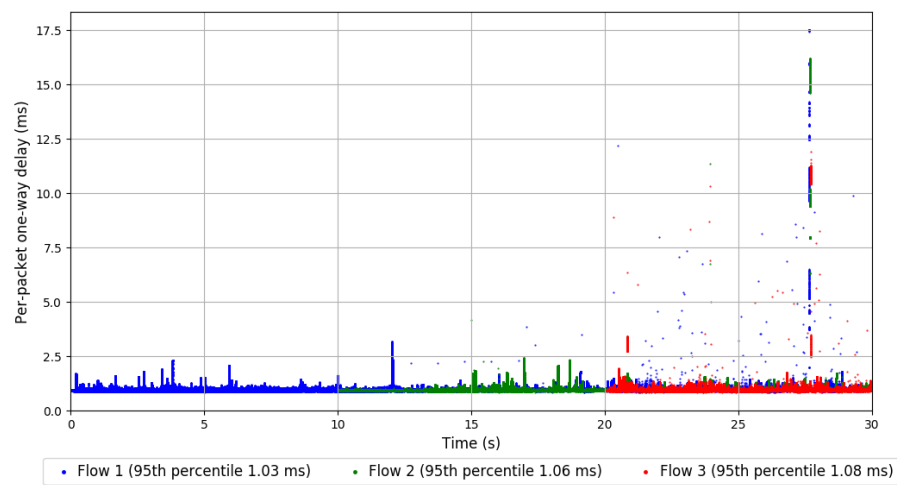
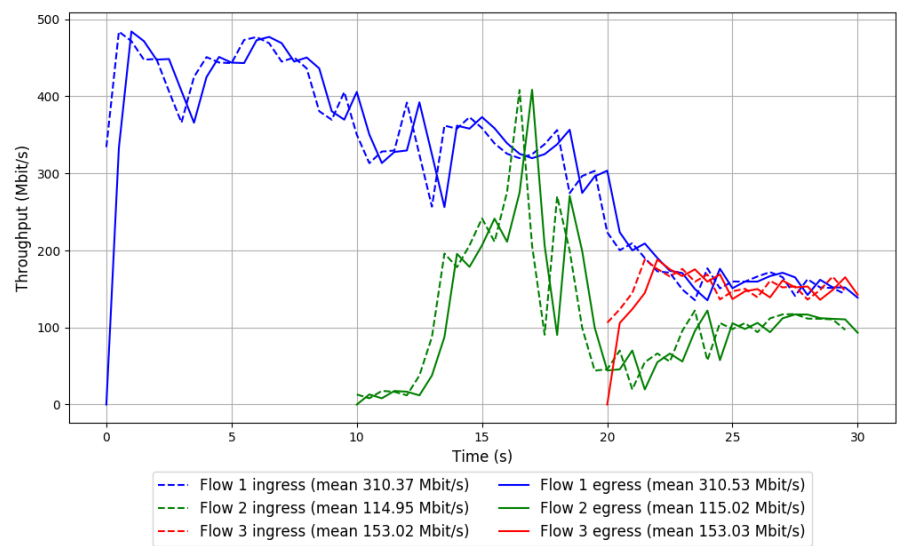


Run 5: Statistics of Copa

Start at: 2018-08-22 21:03:18
End at: 2018-08-22 21:03:48
Local clock offset: -5.392 ms
Remote clock offset: 3.071 ms

Below is generated by plot.py at 2018-08-23 00:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.77 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 310.53 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 115.02 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 153.03 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.19%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-22 21:30:09

End at: 2018-08-22 21:30:39

Local clock offset: -2.428 ms

Remote clock offset: 2.698 ms

Below is generated by plot.py at 2018-08-23 00:06:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 479.42 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 276.90 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 252.19 Mbit/s

95th percentile per-packet one-way delay: 1.058 ms

Loss rate: 0.07%

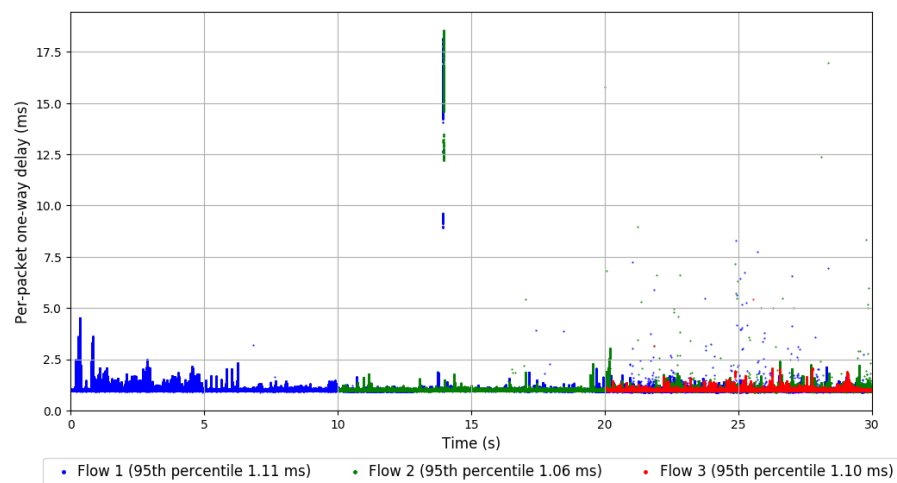
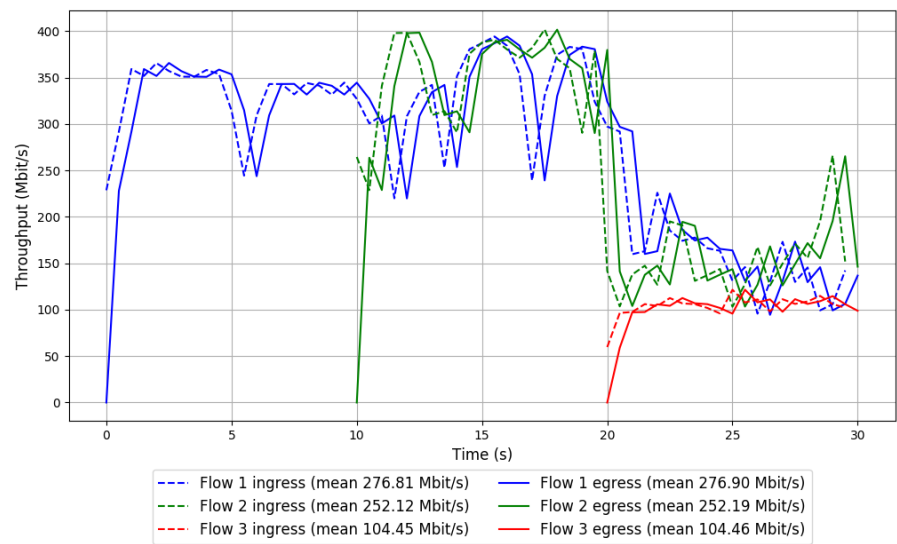
-- Flow 3:

Average throughput: 104.46 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.18%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-22 21:57:04

End at: 2018-08-22 21:57:34

Local clock offset: -2.403 ms

Remote clock offset: 2.725 ms

Below is generated by plot.py at 2018-08-23 00:15:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.05 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 290.16 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 210.17 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.05%

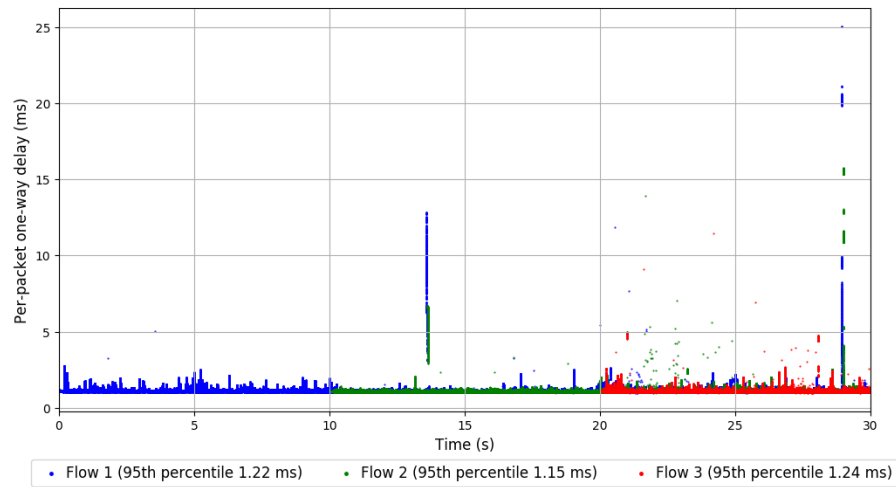
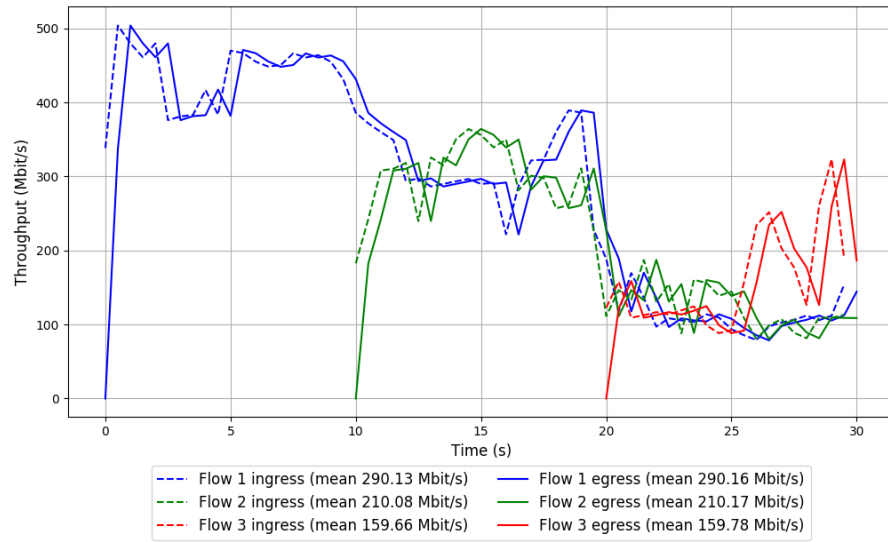
-- Flow 3:

Average throughput: 159.78 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.12%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-22 22:24:00

End at: 2018-08-22 22:24:30

Local clock offset: 0.659 ms

Remote clock offset: 1.184 ms

Below is generated by plot.py at 2018-08-23 00:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.91 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 305.31 Mbit/s

95th percentile per-packet one-way delay: 0.991 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.07%

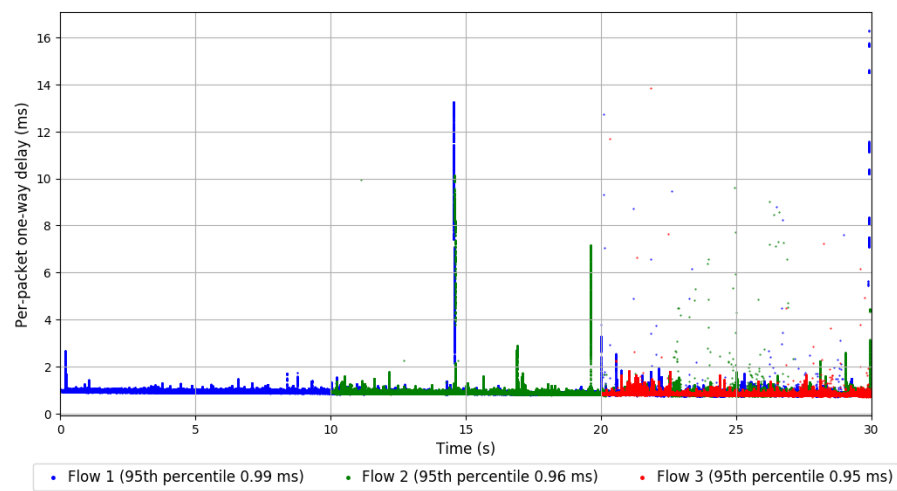
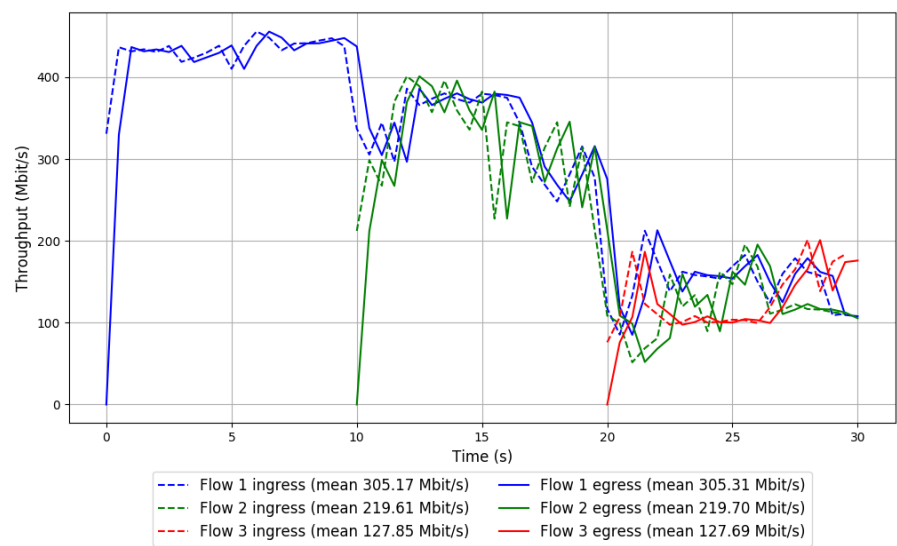
-- Flow 3:

Average throughput: 127.69 Mbit/s

95th percentile per-packet one-way delay: 0.951 ms

Loss rate: 0.32%

Run 8: Report of Copa — Data Link

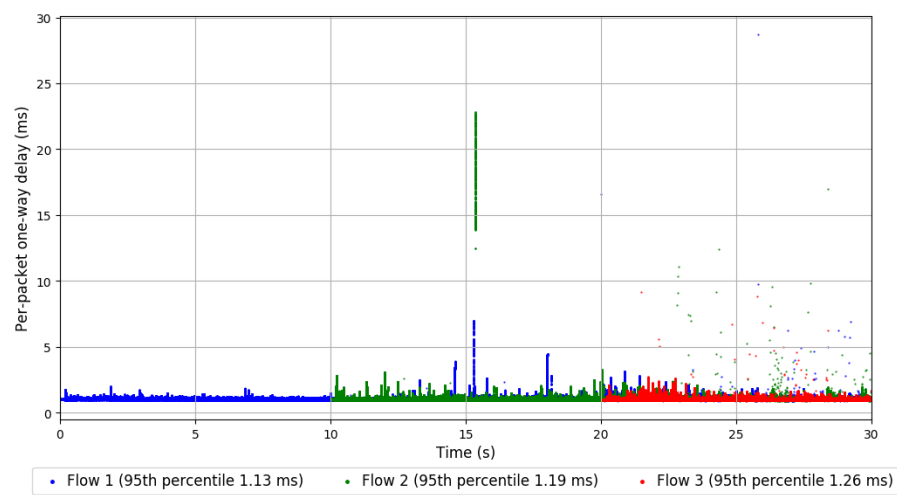
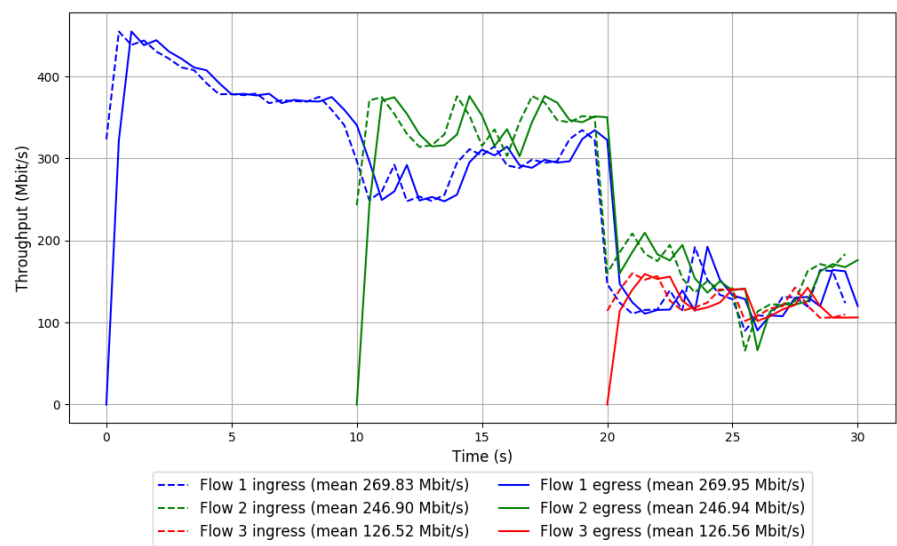


Run 9: Statistics of Copa

Start at: 2018-08-22 22:50:41
End at: 2018-08-22 22:51:11
Local clock offset: 0.801 ms
Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-08-23 00:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.33 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 269.95 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 246.94 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 126.56 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.16%

Run 9: Report of Copa — Data Link

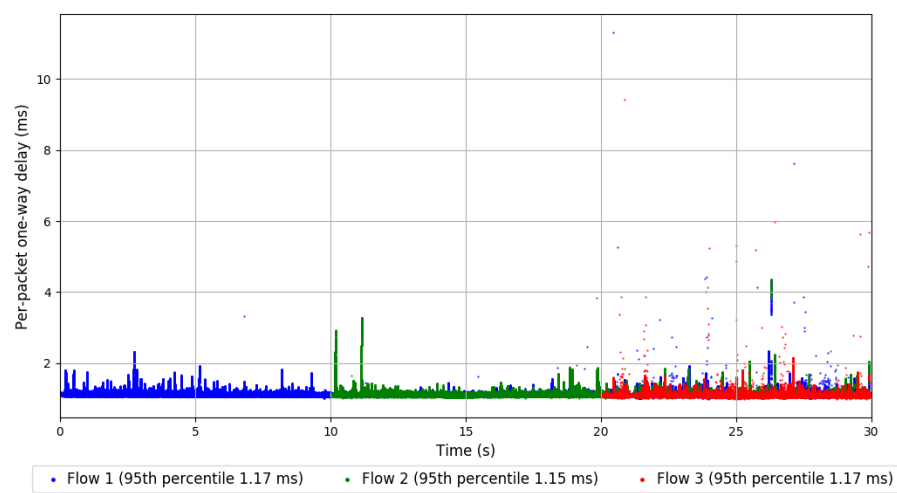
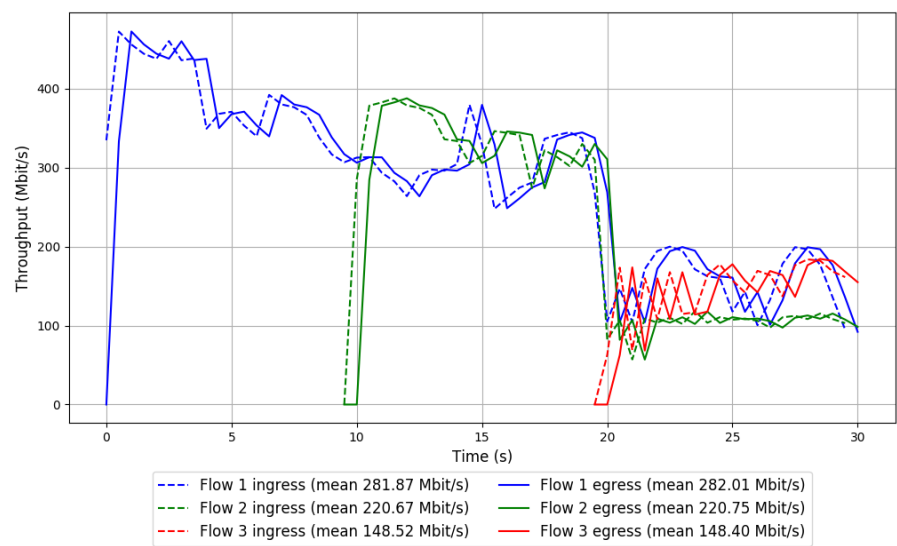


Run 10: Statistics of Copa

Start at: 2018-08-22 23:17:27
End at: 2018-08-22 23:17:57
Local clock offset: 0.631 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2018-08-23 00:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.35 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 282.01 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 220.75 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 148.40 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.24%

Run 10: Report of Copa — Data Link

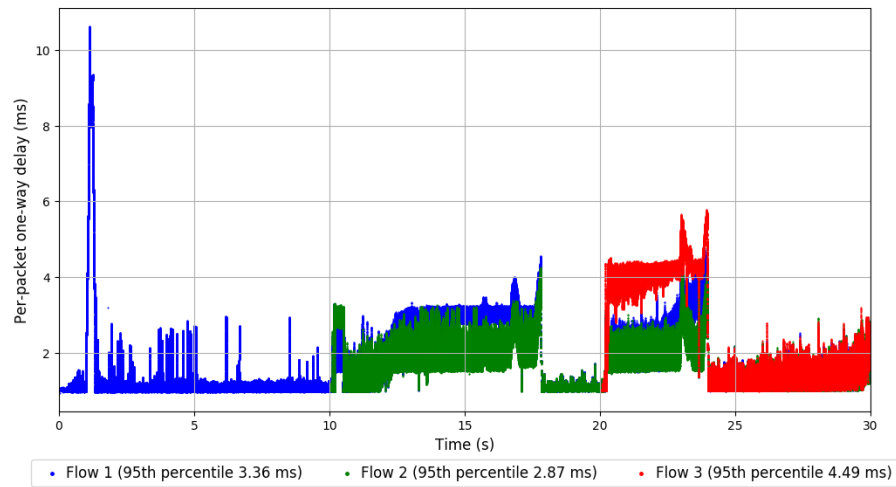
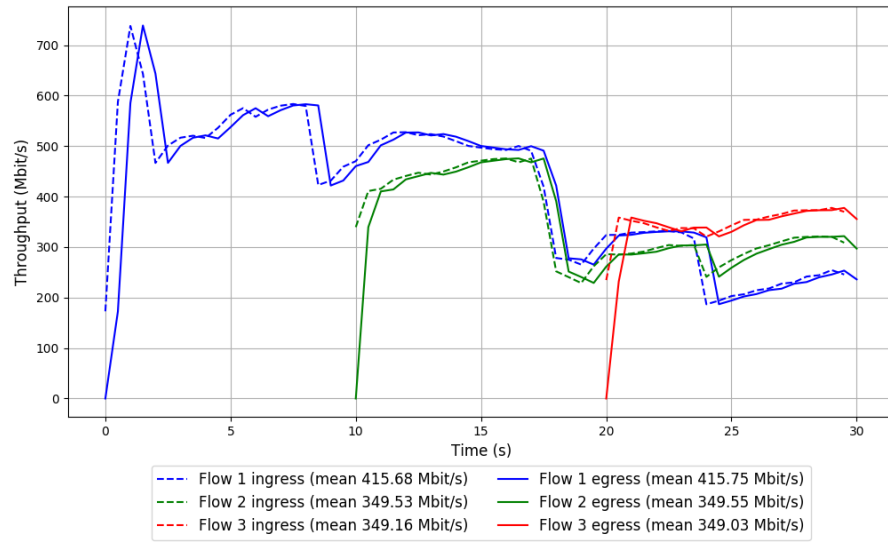


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 19:06:32
End at: 2018-08-22 19:07:02
Local clock offset: 0.612 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-08-23 00:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 763.97 Mbit/s
95th percentile per-packet one-way delay: 4.054 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 415.75 Mbit/s
95th percentile per-packet one-way delay: 3.363 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 349.55 Mbit/s
95th percentile per-packet one-way delay: 2.868 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 19:33:22

End at: 2018-08-22 19:33:52

Local clock offset: 0.539 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-08-23 00:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 779.29 Mbit/s

95th percentile per-packet one-way delay: 2.879 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 411.78 Mbit/s

95th percentile per-packet one-way delay: 2.467 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 391.43 Mbit/s

95th percentile per-packet one-way delay: 2.922 ms

Loss rate: 0.09%

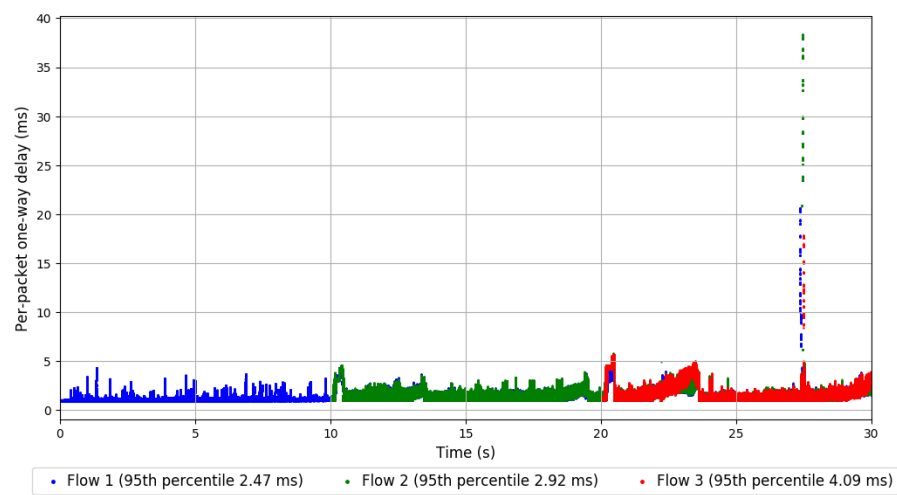
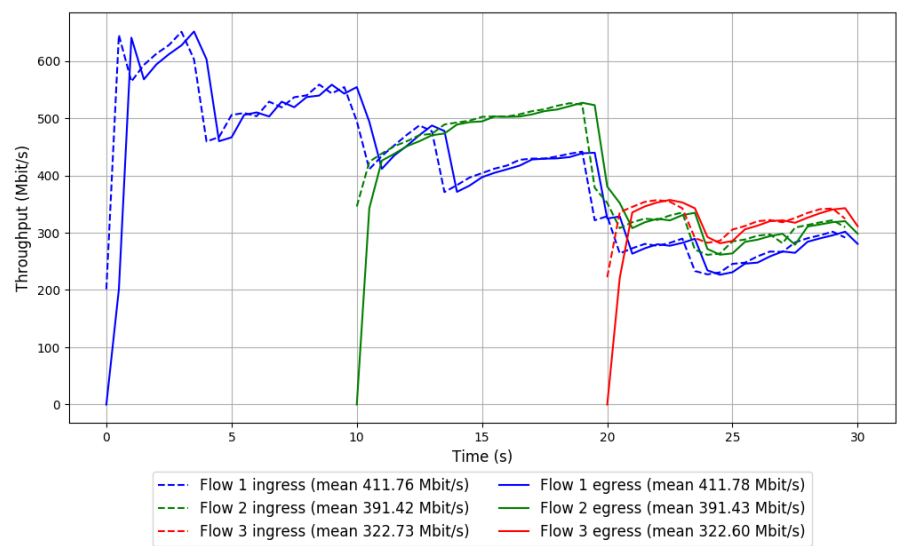
-- Flow 3:

Average throughput: 322.60 Mbit/s

95th percentile per-packet one-way delay: 4.086 ms

Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 20:00:20

End at: 2018-08-22 20:00:50

Local clock offset: 1.053 ms

Remote clock offset: 4.158 ms

Below is generated by plot.py at 2018-08-23 00:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 805.23 Mbit/s

95th percentile per-packet one-way delay: 4.380 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 438.49 Mbit/s

95th percentile per-packet one-way delay: 4.356 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 392.01 Mbit/s

95th percentile per-packet one-way delay: 4.393 ms

Loss rate: 0.10%

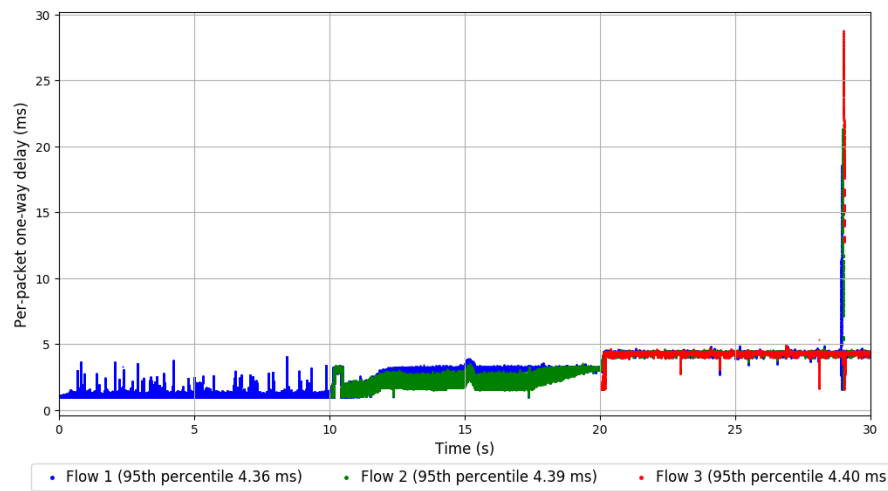
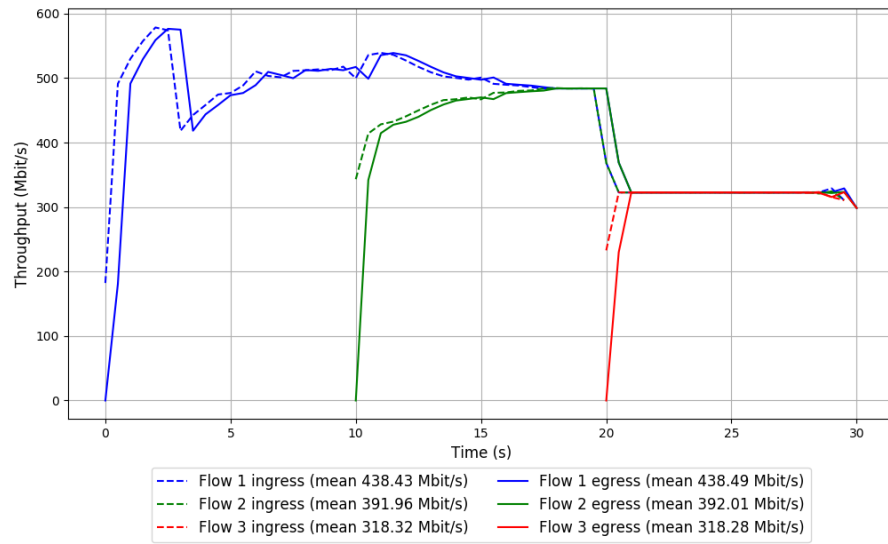
-- Flow 3:

Average throughput: 318.28 Mbit/s

95th percentile per-packet one-way delay: 4.400 ms

Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 20:27:09

End at: 2018-08-22 20:27:39

Local clock offset: -3.206 ms

Remote clock offset: 3.451 ms

Below is generated by plot.py at 2018-08-23 00:16:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 844.43 Mbit/s

95th percentile per-packet one-way delay: 4.542 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 469.14 Mbit/s

95th percentile per-packet one-way delay: 8.611 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 404.65 Mbit/s

95th percentile per-packet one-way delay: 4.505 ms

Loss rate: 0.09%

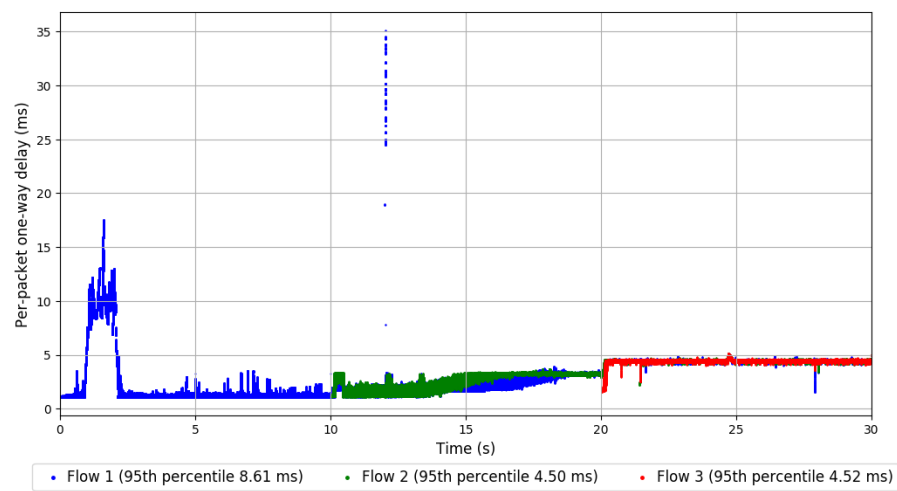
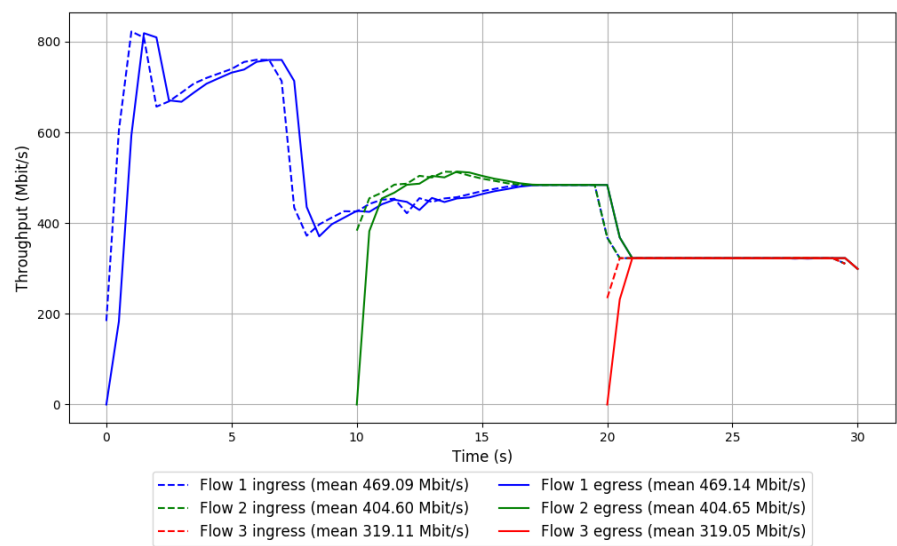
-- Flow 3:

Average throughput: 319.05 Mbit/s

95th percentile per-packet one-way delay: 4.524 ms

Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 20:54:00

End at: 2018-08-22 20:54:30

Local clock offset: -4.852 ms

Remote clock offset: 3.028 ms

Below is generated by plot.py at 2018-08-23 00:22:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 796.75 Mbit/s

95th percentile per-packet one-way delay: 4.426 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 430.48 Mbit/s

95th percentile per-packet one-way delay: 4.412 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 389.95 Mbit/s

95th percentile per-packet one-way delay: 4.433 ms

Loss rate: 0.10%

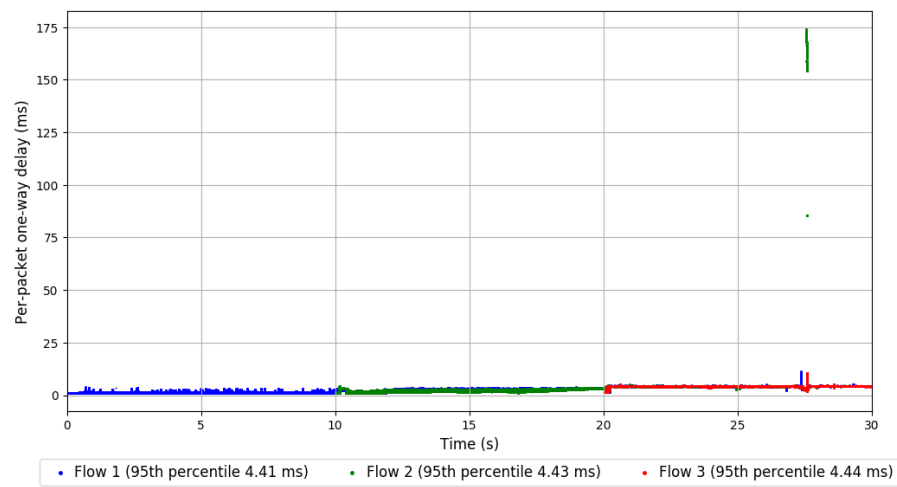
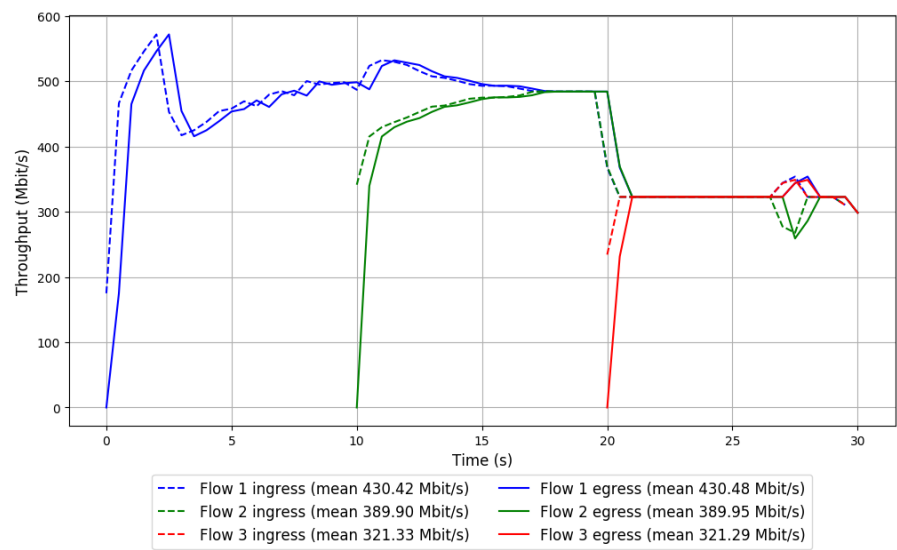
-- Flow 3:

Average throughput: 321.29 Mbit/s

95th percentile per-packet one-way delay: 4.441 ms

Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 21:20:47

End at: 2018-08-22 21:21:17

Local clock offset: -3.023 ms

Remote clock offset: 2.806 ms

Below is generated by plot.py at 2018-08-23 00:23:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 818.18 Mbit/s

95th percentile per-packet one-way delay: 4.198 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 446.95 Mbit/s

95th percentile per-packet one-way delay: 7.079 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 399.61 Mbit/s

95th percentile per-packet one-way delay: 4.158 ms

Loss rate: 0.08%

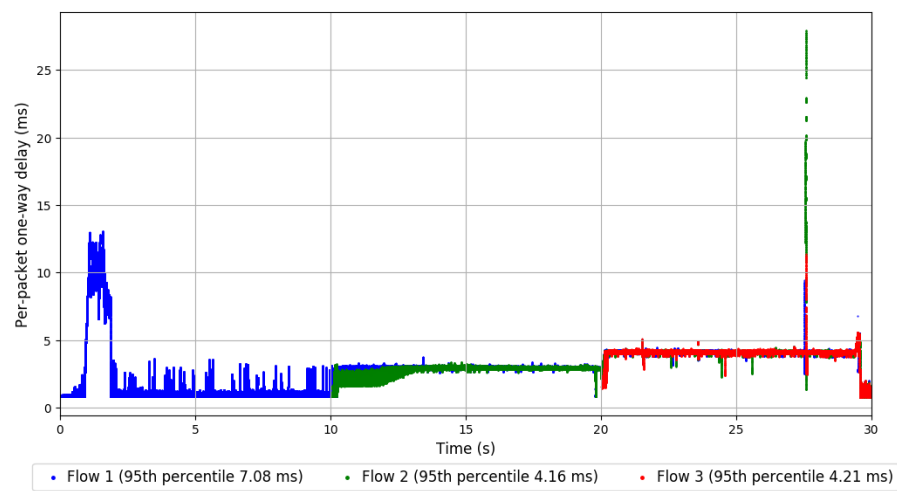
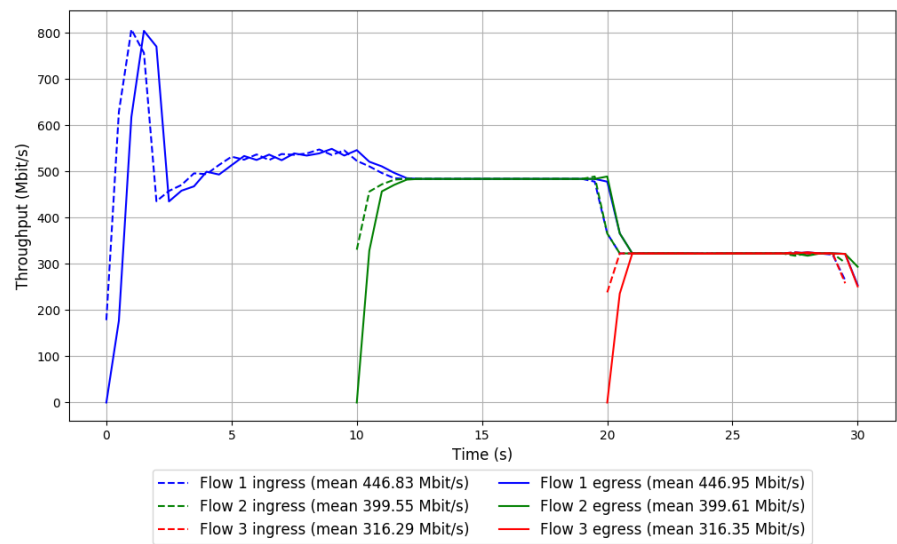
-- Flow 3:

Average throughput: 316.35 Mbit/s

95th percentile per-packet one-way delay: 4.207 ms

Loss rate: 0.17%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 21:47:43

End at: 2018-08-22 21:48:13

Local clock offset: -2.47 ms

Remote clock offset: 2.654 ms

Below is generated by plot.py at 2018-08-23 00:23:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 797.11 Mbit/s

95th percentile per-packet one-way delay: 4.348 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 430.19 Mbit/s

95th percentile per-packet one-way delay: 4.334 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 392.31 Mbit/s

95th percentile per-packet one-way delay: 4.351 ms

Loss rate: 0.09%

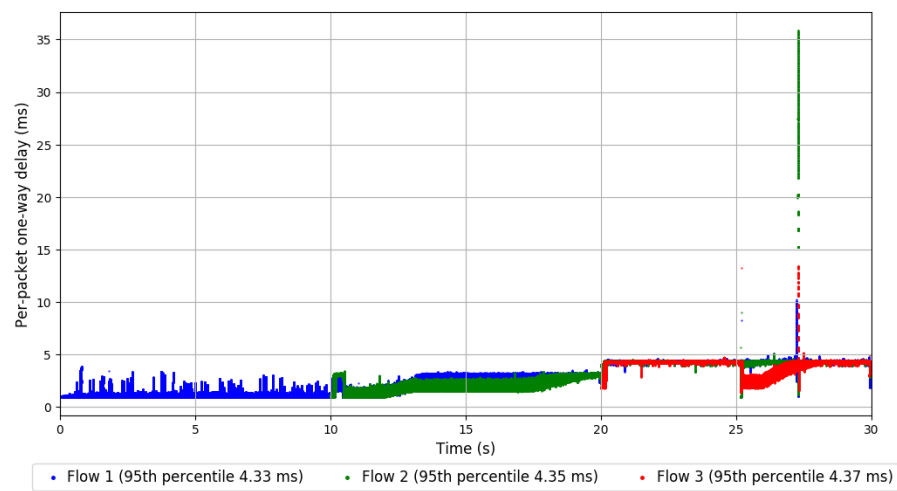
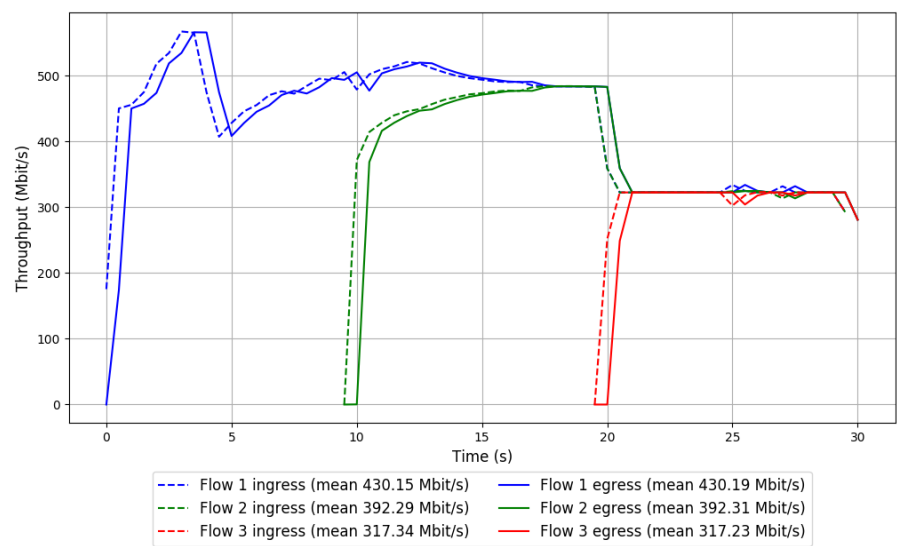
-- Flow 3:

Average throughput: 317.23 Mbit/s

95th percentile per-packet one-way delay: 4.367 ms

Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 22:14:37

End at: 2018-08-22 22:15:07

Local clock offset: -0.571 ms

Remote clock offset: 2.779 ms

Below is generated by plot.py at 2018-08-23 00:24:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 837.78 Mbit/s

95th percentile per-packet one-way delay: 10.209 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 464.33 Mbit/s

95th percentile per-packet one-way delay: 10.708 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 401.82 Mbit/s

95th percentile per-packet one-way delay: 4.174 ms

Loss rate: 0.09%

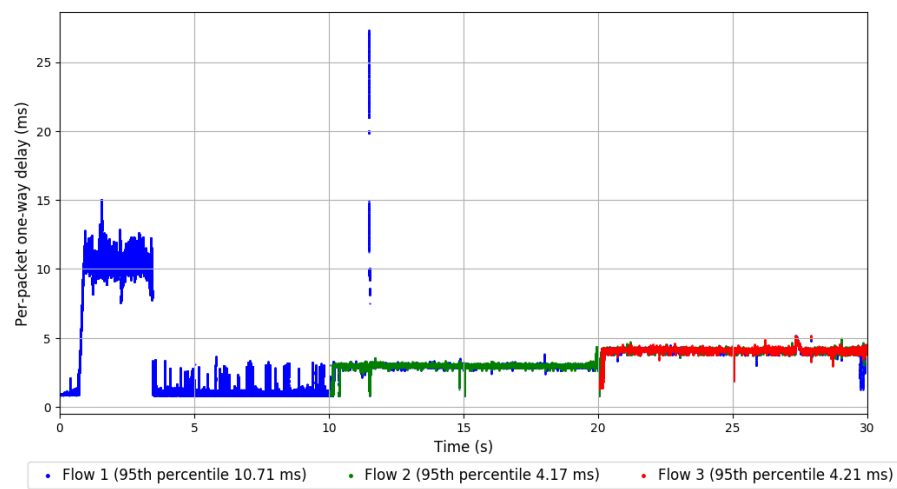
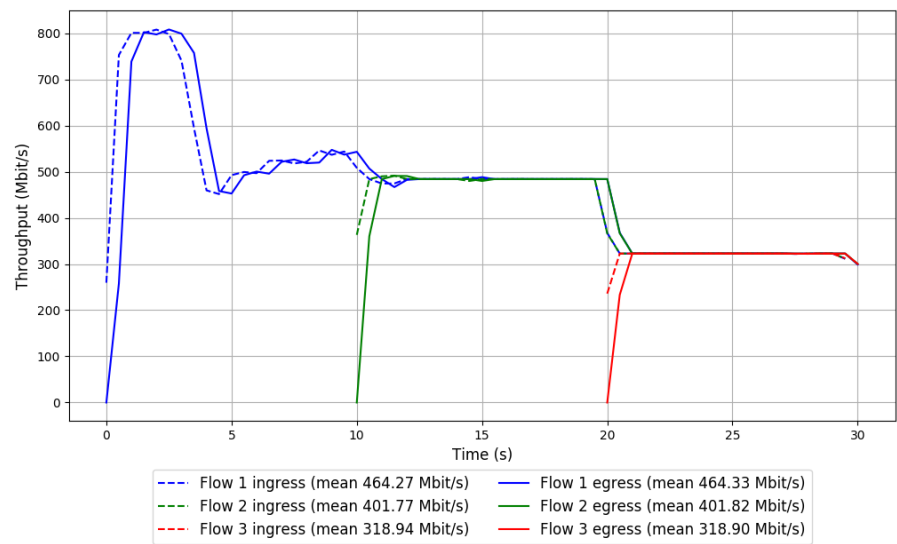
-- Flow 3:

Average throughput: 318.90 Mbit/s

95th percentile per-packet one-way delay: 4.207 ms

Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 22:41:25

End at: 2018-08-22 22:41:55

Local clock offset: 1.102 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2018-08-23 00:24:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 711.00 Mbit/s

95th percentile per-packet one-way delay: 3.151 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 404.38 Mbit/s

95th percentile per-packet one-way delay: 3.155 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 248.15 Mbit/s

95th percentile per-packet one-way delay: 2.794 ms

Loss rate: 0.07%

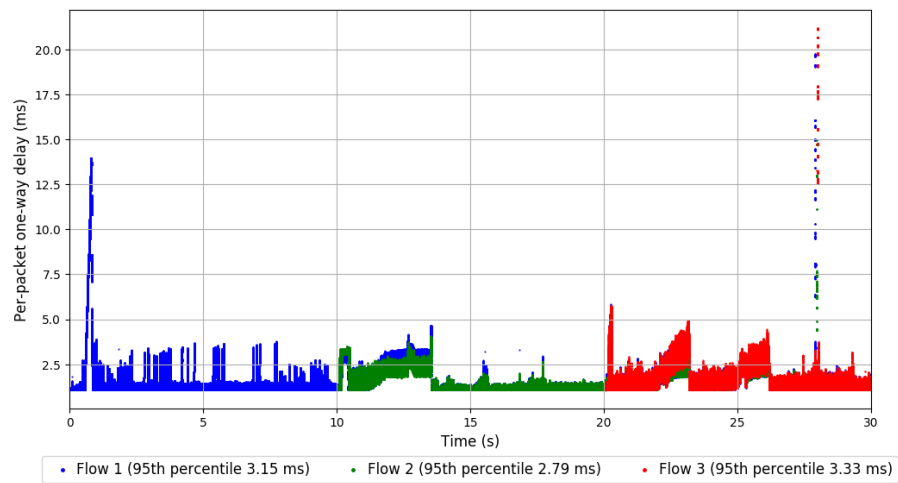
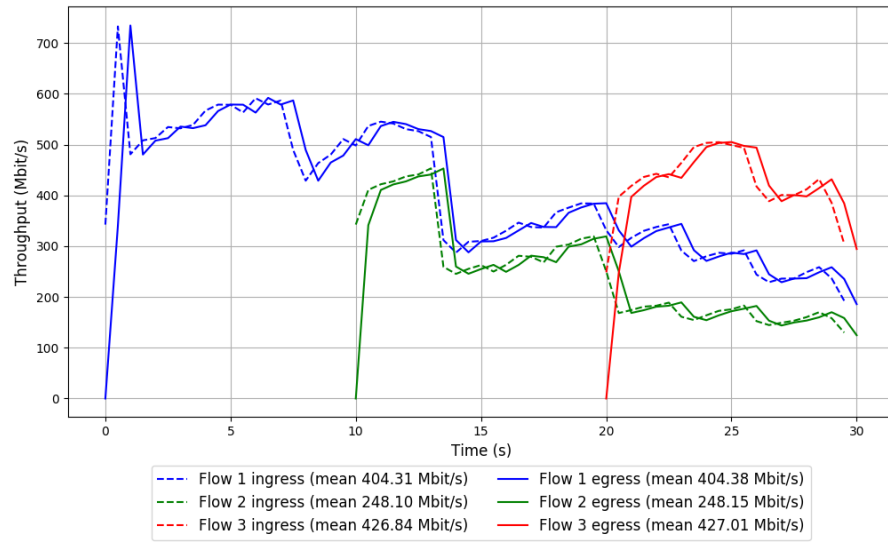
-- Flow 3:

Average throughput: 427.01 Mbit/s

95th percentile per-packet one-way delay: 3.330 ms

Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 23:08:20

End at: 2018-08-22 23:08:50

Local clock offset: 0.861 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-08-23 00:24:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 806.87 Mbit/s

95th percentile per-packet one-way delay: 4.508 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 433.72 Mbit/s

95th percentile per-packet one-way delay: 4.496 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 401.51 Mbit/s

95th percentile per-packet one-way delay: 4.507 ms

Loss rate: 0.09%

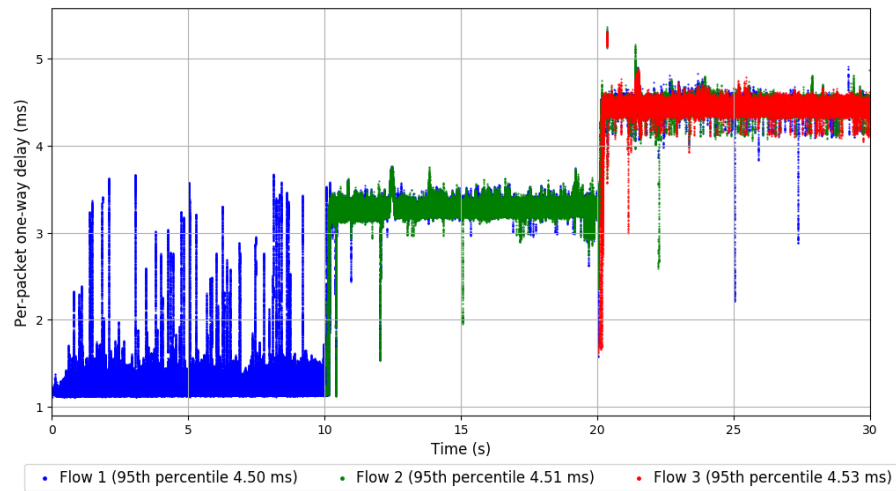
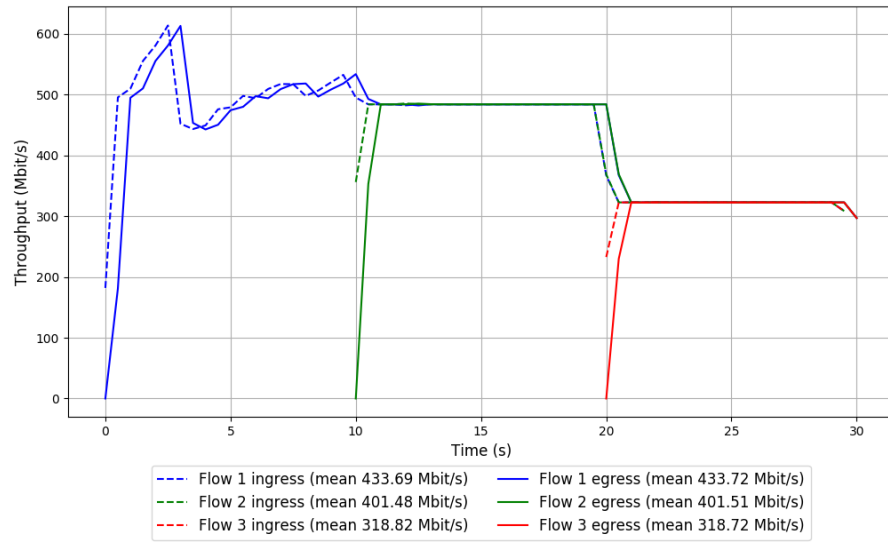
-- Flow 3:

Average throughput: 318.72 Mbit/s

95th percentile per-packet one-way delay: 4.531 ms

Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

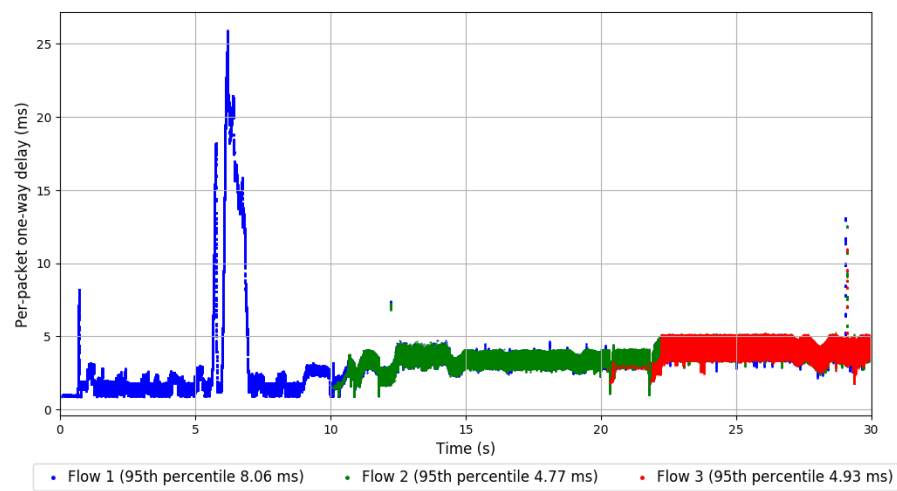
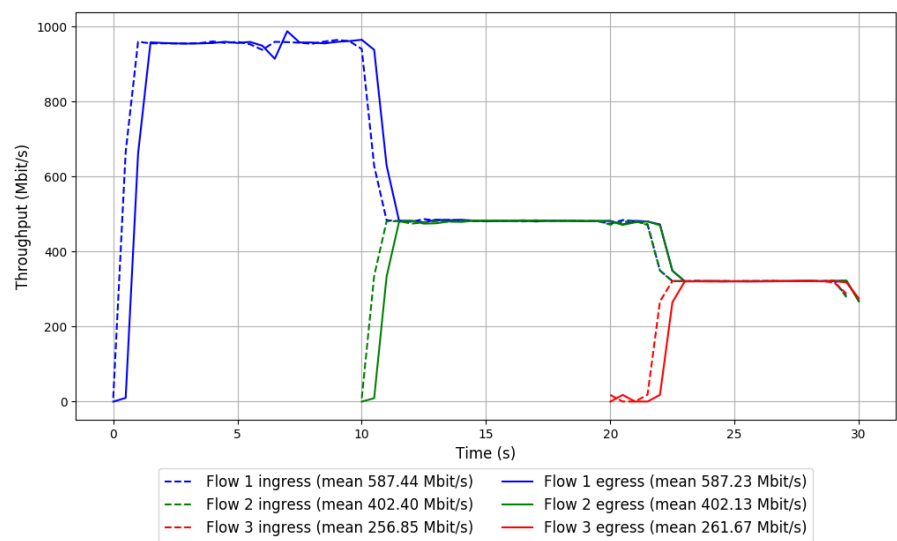


Run 1: Statistics of FillP

Start at: 2018-08-22 19:22:23
End at: 2018-08-22 19:22:53
Local clock offset: 0.457 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-08-23 00:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.32 Mbit/s
95th percentile per-packet one-way delay: 4.933 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 587.23 Mbit/s
95th percentile per-packet one-way delay: 8.062 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 402.13 Mbit/s
95th percentile per-packet one-way delay: 4.772 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 261.67 Mbit/s
95th percentile per-packet one-way delay: 4.935 ms
Loss rate: 0.42%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-22 19:49:16

End at: 2018-08-22 19:49:46

Local clock offset: 0.824 ms

Remote clock offset: 3.483 ms

Below is generated by plot.py at 2018-08-23 00:29:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 940.71 Mbit/s

95th percentile per-packet one-way delay: 3.755 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 579.83 Mbit/s

95th percentile per-packet one-way delay: 3.690 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 390.23 Mbit/s

95th percentile per-packet one-way delay: 3.765 ms

Loss rate: 0.10%

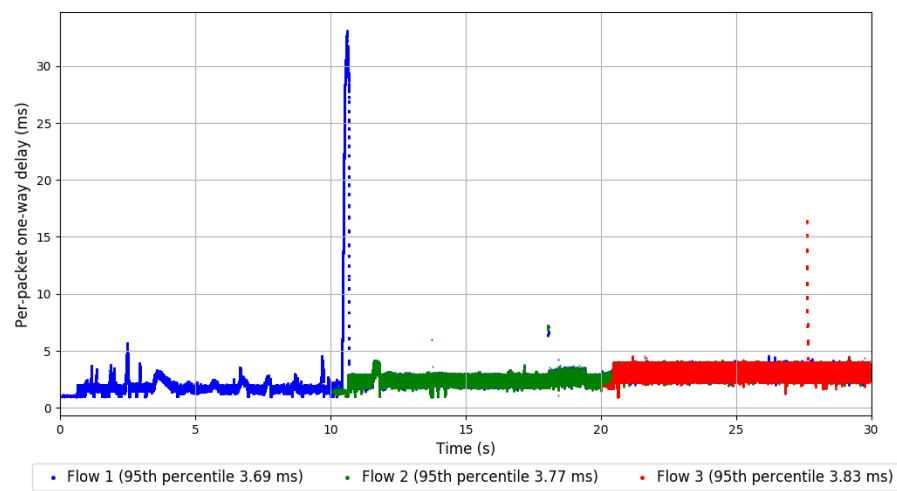
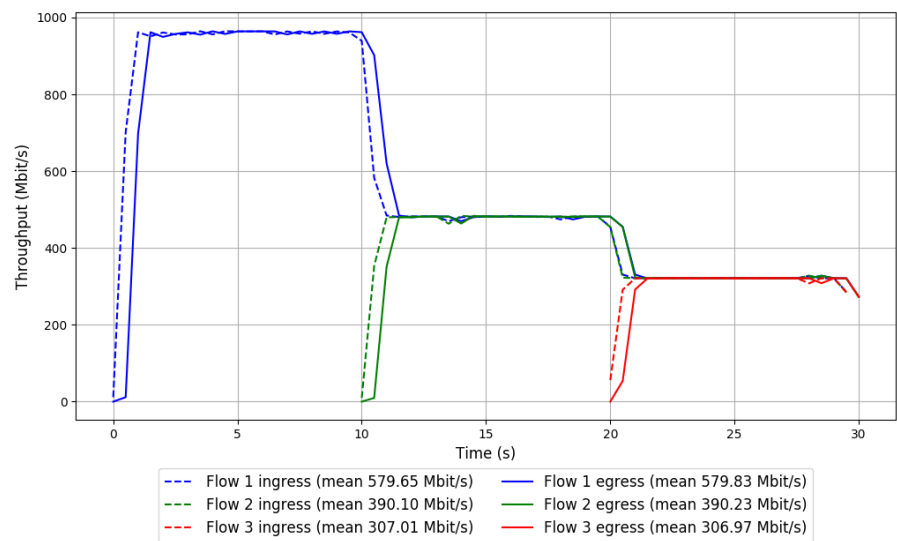
-- Flow 3:

Average throughput: 306.97 Mbit/s

95th percentile per-packet one-way delay: 3.830 ms

Loss rate: 0.23%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-22 20:16:06

End at: 2018-08-22 20:16:36

Local clock offset: -1.7 ms

Remote clock offset: 3.381 ms

Below is generated by plot.py at 2018-08-23 00:36:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 941.26 Mbit/s

95th percentile per-packet one-way delay: 3.979 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 580.10 Mbit/s

95th percentile per-packet one-way delay: 3.832 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 390.72 Mbit/s

95th percentile per-packet one-way delay: 4.029 ms

Loss rate: 0.09%

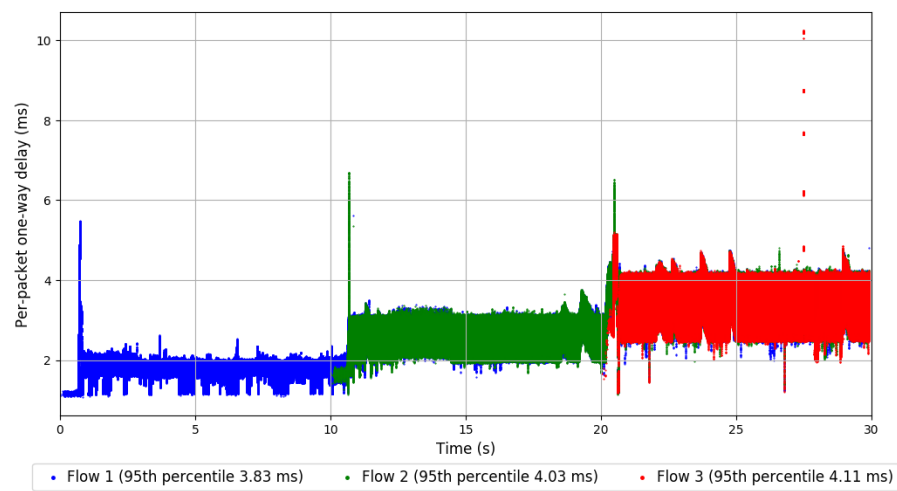
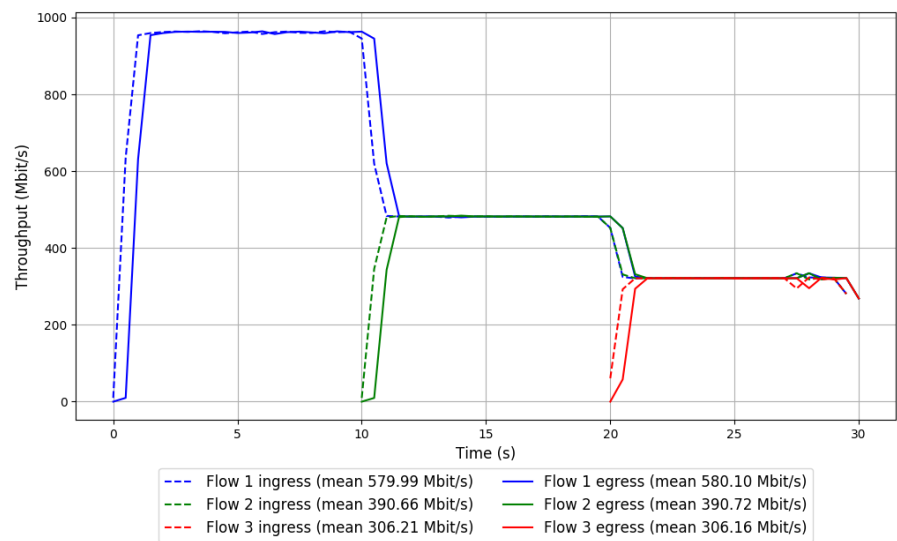
-- Flow 3:

Average throughput: 306.16 Mbit/s

95th percentile per-packet one-way delay: 4.109 ms

Loss rate: 0.23%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-22 20:43:02

End at: 2018-08-22 20:43:32

Local clock offset: -4.38 ms

Remote clock offset: 3.25 ms

Below is generated by plot.py at 2018-08-23 00:36:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 913.34 Mbit/s

95th percentile per-packet one-way delay: 7.350 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 561.17 Mbit/s

95th percentile per-packet one-way delay: 25.034 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 403.53 Mbit/s

95th percentile per-packet one-way delay: 4.030 ms

Loss rate: 0.21%

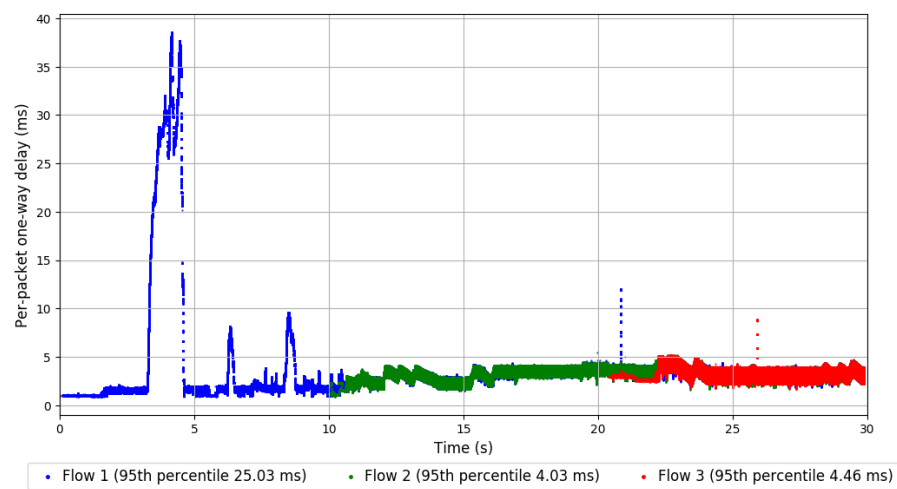
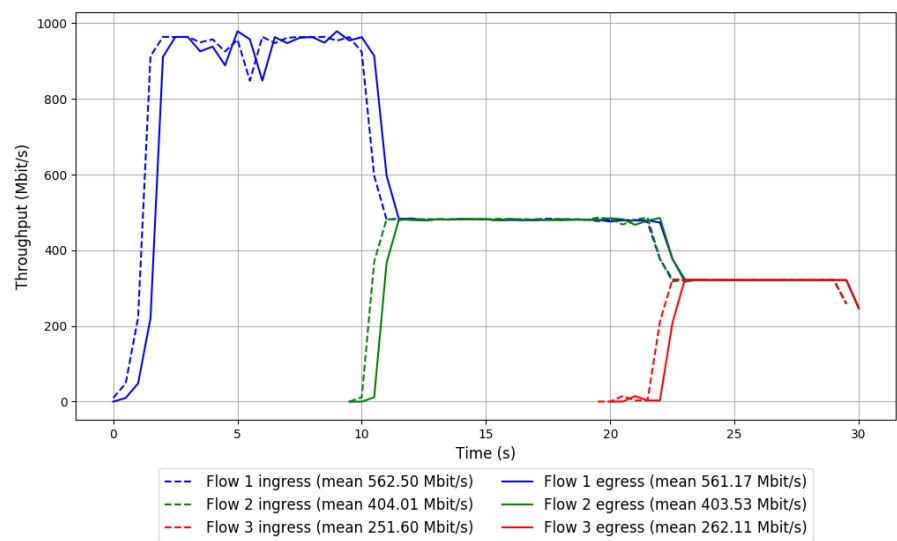
-- Flow 3:

Average throughput: 262.11 Mbit/s

95th percentile per-packet one-way delay: 4.460 ms

Loss rate: 0.30%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-22 21:09:49

End at: 2018-08-22 21:10:19

Local clock offset: -4.746 ms

Remote clock offset: 3.031 ms

Below is generated by plot.py at 2018-08-23 00:36:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 940.28 Mbit/s

95th percentile per-packet one-way delay: 3.519 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 585.00 Mbit/s

95th percentile per-packet one-way delay: 3.514 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 388.72 Mbit/s

95th percentile per-packet one-way delay: 3.474 ms

Loss rate: 0.04%

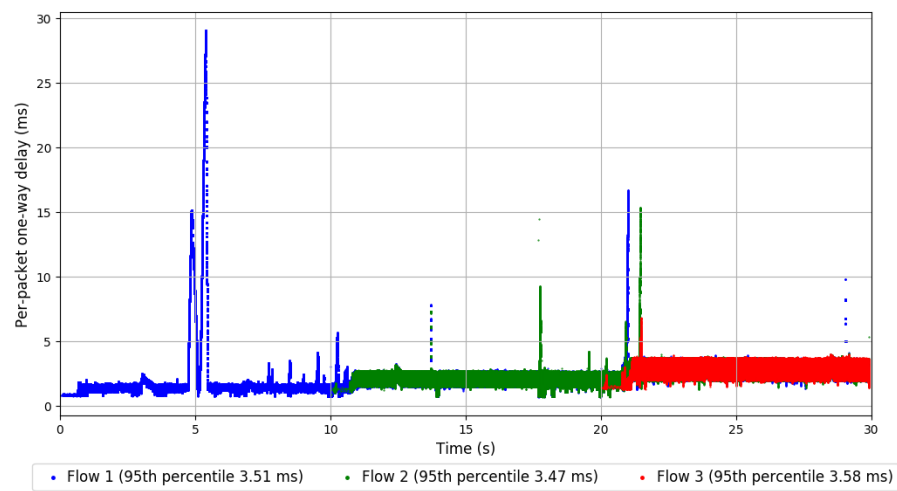
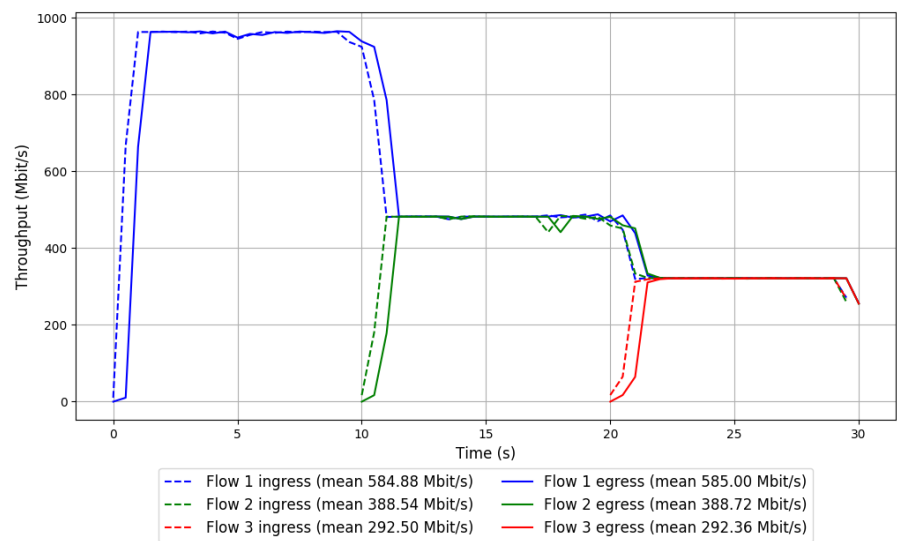
-- Flow 3:

Average throughput: 292.36 Mbit/s

95th percentile per-packet one-way delay: 3.577 ms

Loss rate: 0.26%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-22 21:36:45

End at: 2018-08-22 21:37:15

Local clock offset: -2.266 ms

Remote clock offset: 2.721 ms

Below is generated by plot.py at 2018-08-23 00:36:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 869.17 Mbit/s

95th percentile per-packet one-way delay: 4.592 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 503.50 Mbit/s

95th percentile per-packet one-way delay: 6.219 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 398.20 Mbit/s

95th percentile per-packet one-way delay: 3.733 ms

Loss rate: 0.09%

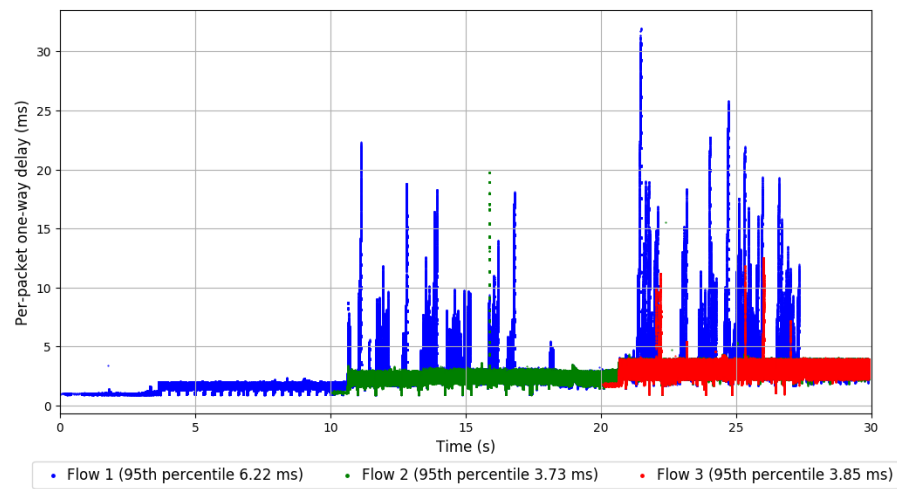
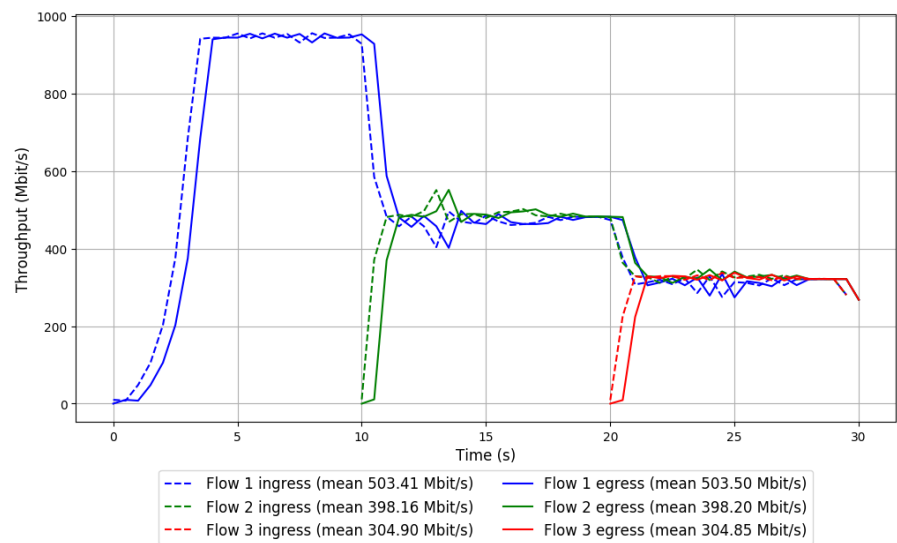
-- Flow 3:

Average throughput: 304.85 Mbit/s

95th percentile per-packet one-way delay: 3.848 ms

Loss rate: 0.24%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-22 22:03:38

End at: 2018-08-22 22:04:08

Local clock offset: -2.48 ms

Remote clock offset: 2.777 ms

Below is generated by plot.py at 2018-08-23 00:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 880.68 Mbit/s

95th percentile per-packet one-way delay: 10.811 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 520.65 Mbit/s

95th percentile per-packet one-way delay: 19.091 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 393.79 Mbit/s

95th percentile per-packet one-way delay: 3.729 ms

Loss rate: 0.10%

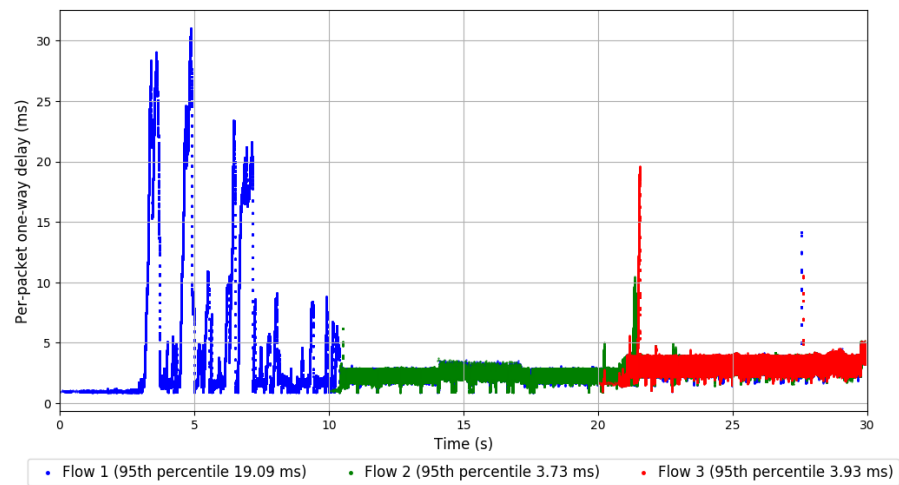
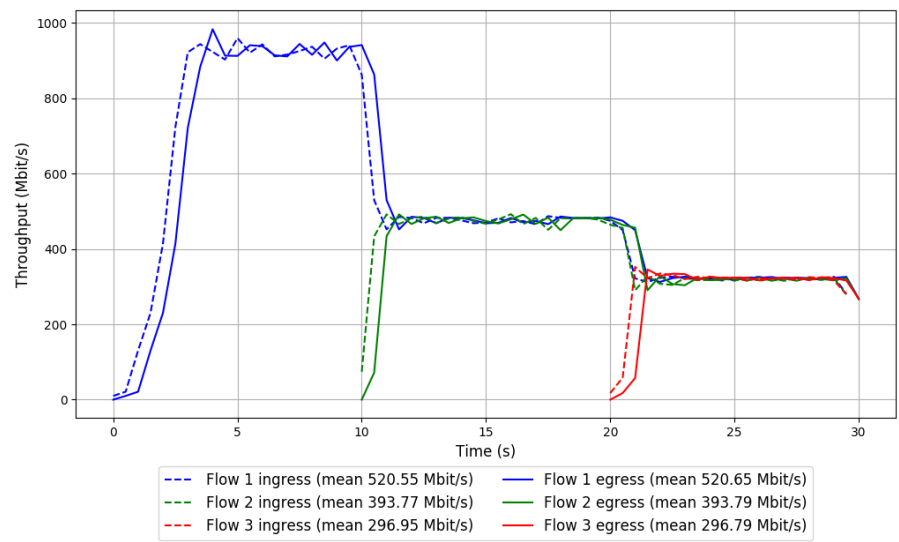
-- Flow 3:

Average throughput: 296.79 Mbit/s

95th percentile per-packet one-way delay: 3.932 ms

Loss rate: 0.25%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-22 22:30:29

End at: 2018-08-22 22:30:59

Local clock offset: 1.06 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-23 00:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 879.14 Mbit/s

95th percentile per-packet one-way delay: 20.822 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 518.94 Mbit/s

95th percentile per-packet one-way delay: 26.985 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 396.57 Mbit/s

95th percentile per-packet one-way delay: 3.730 ms

Loss rate: 0.16%

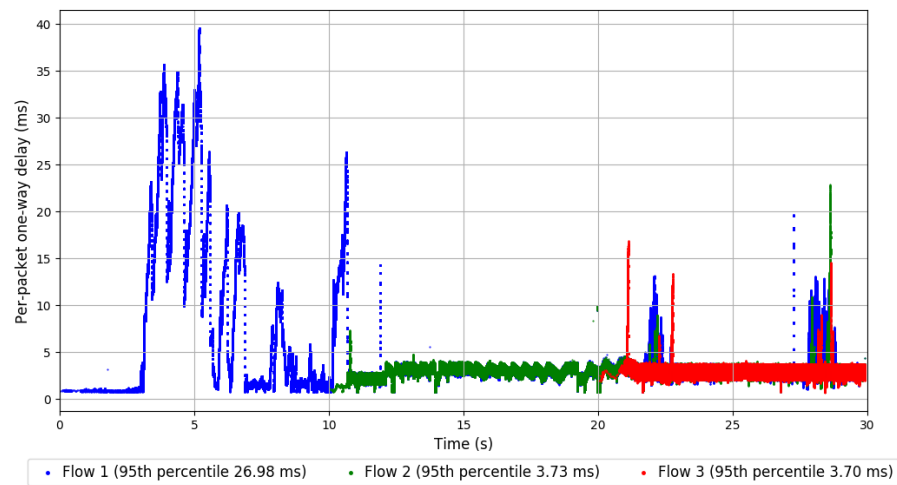
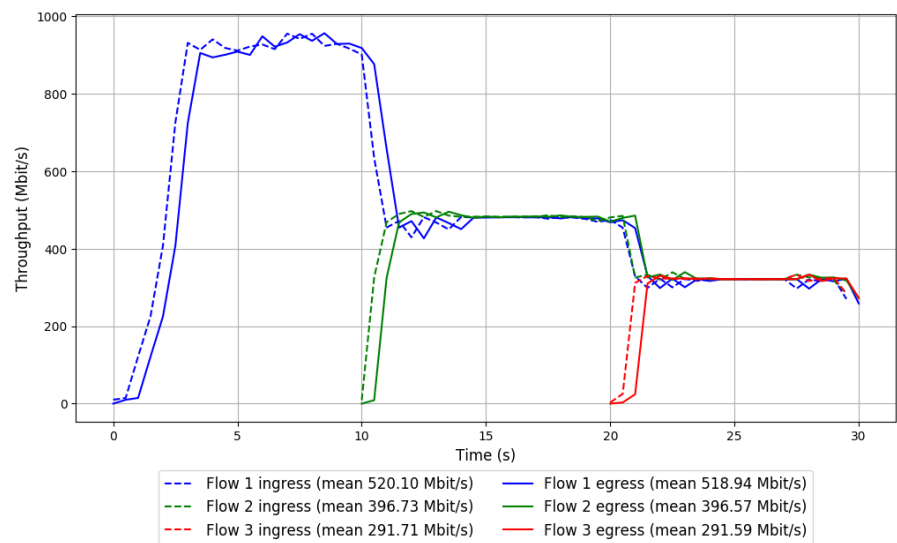
-- Flow 3:

Average throughput: 291.59 Mbit/s

95th percentile per-packet one-way delay: 3.696 ms

Loss rate: 0.25%

Run 8: Report of FillP — Data Link

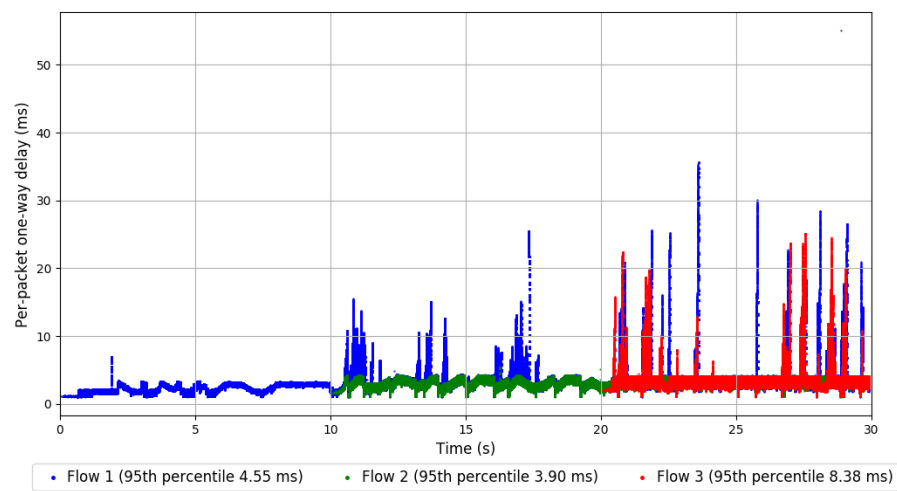
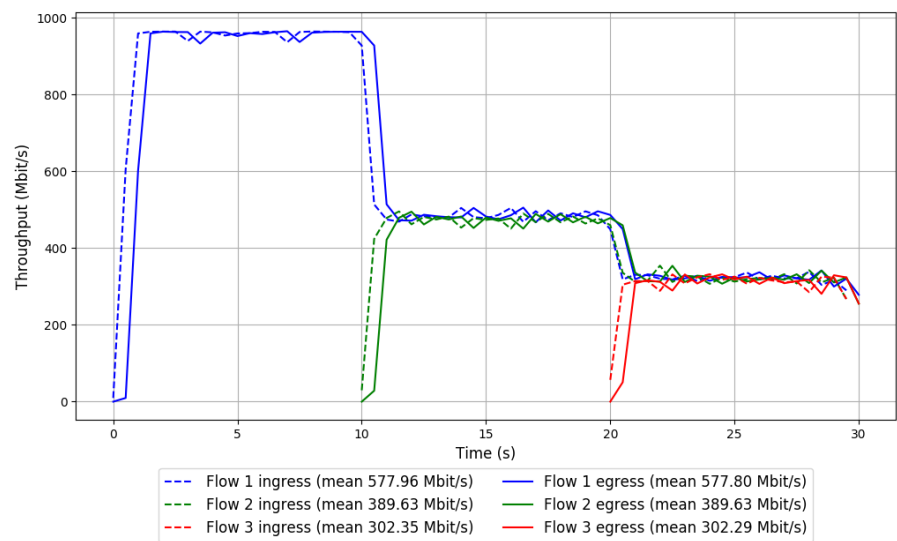


Run 9: Statistics of FillP

Start at: 2018-08-22 22:57:18
End at: 2018-08-22 22:57:48
Local clock offset: 0.76 ms
Remote clock offset: -1.084 ms

Below is generated by plot.py at 2018-08-23 00:42:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 936.91 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 577.80 Mbit/s
95th percentile per-packet one-way delay: 4.552 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 389.63 Mbit/s
95th percentile per-packet one-way delay: 3.905 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 302.29 Mbit/s
95th percentile per-packet one-way delay: 8.382 ms
Loss rate: 0.22%

Run 9: Report of FillP — Data Link

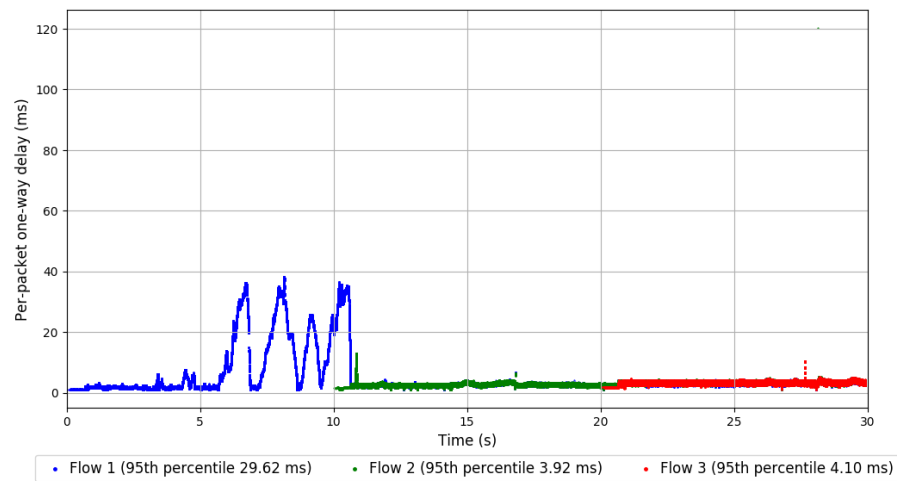
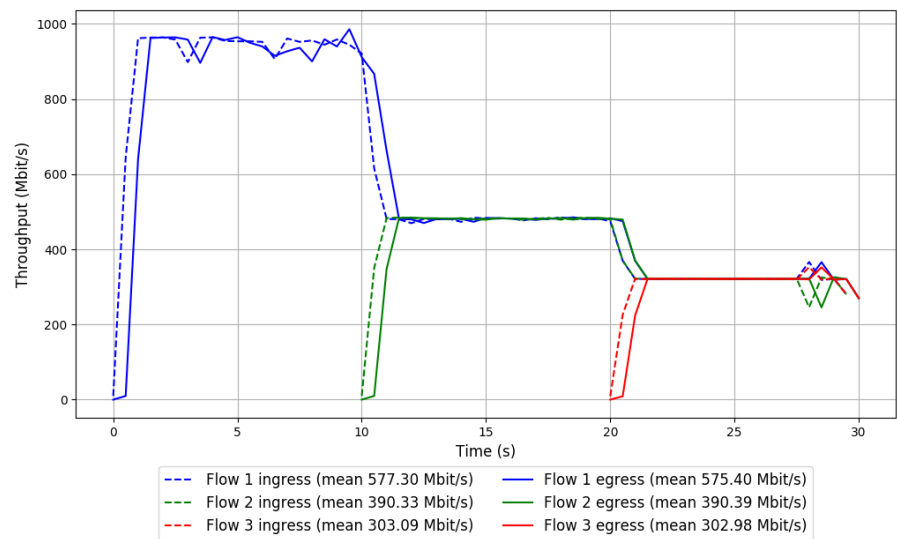


Run 10: Statistics of FillP

Start at: 2018-08-22 23:24:04
End at: 2018-08-22 23:24:34
Local clock offset: 0.631 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-08-23 00:43:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.27 Mbit/s
95th percentile per-packet one-way delay: 24.216 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 575.40 Mbit/s
95th percentile per-packet one-way delay: 29.619 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 390.39 Mbit/s
95th percentile per-packet one-way delay: 3.919 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 302.98 Mbit/s
95th percentile per-packet one-way delay: 4.096 ms
Loss rate: 0.22%

Run 10: Report of FillP — Data Link

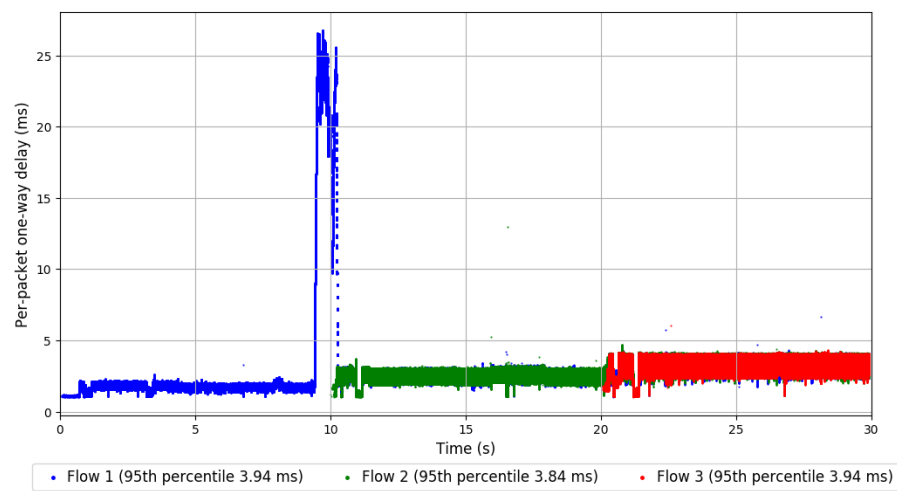
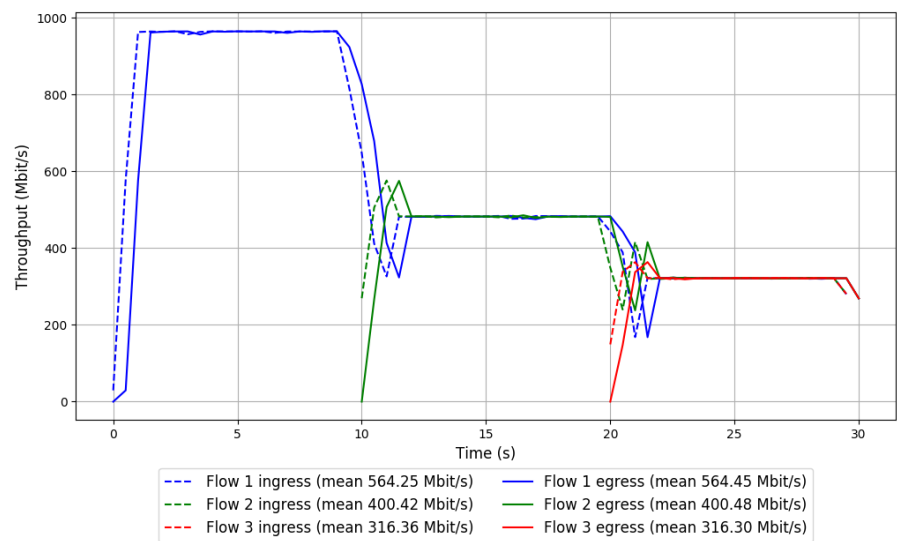


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 19:08:15
End at: 2018-08-22 19:08:45
Local clock offset: 0.686 ms
Remote clock offset: -0.702 ms

Below is generated by plot.py at 2018-08-23 00:48:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.62 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 564.45 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.48 Mbit/s
95th percentile per-packet one-way delay: 3.841 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 316.30 Mbit/s
95th percentile per-packet one-way delay: 3.935 ms
Loss rate: 0.22%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 19:35:06

End at: 2018-08-22 19:35:36

Local clock offset: 0.645 ms

Remote clock offset: 1.656 ms

Below is generated by plot.py at 2018-08-23 00:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 937.44 Mbit/s

95th percentile per-packet one-way delay: 3.904 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 568.44 Mbit/s

95th percentile per-packet one-way delay: 3.774 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 398.06 Mbit/s

95th percentile per-packet one-way delay: 3.911 ms

Loss rate: 0.09%

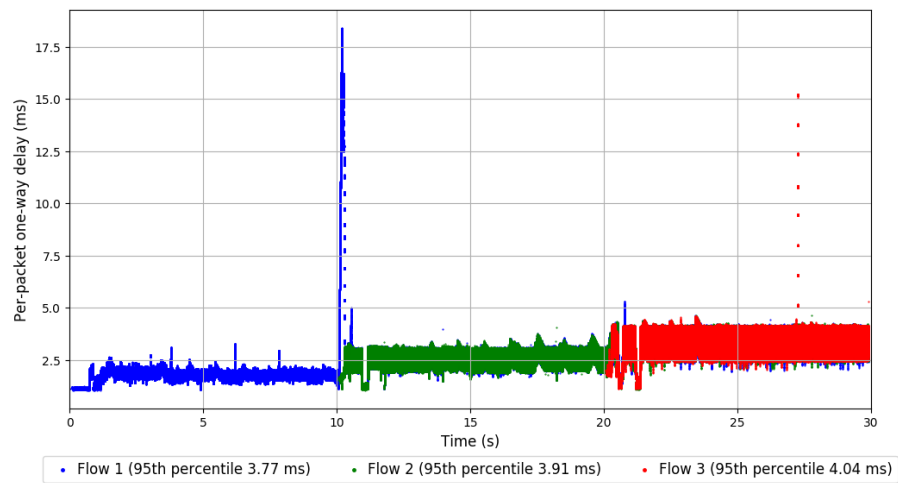
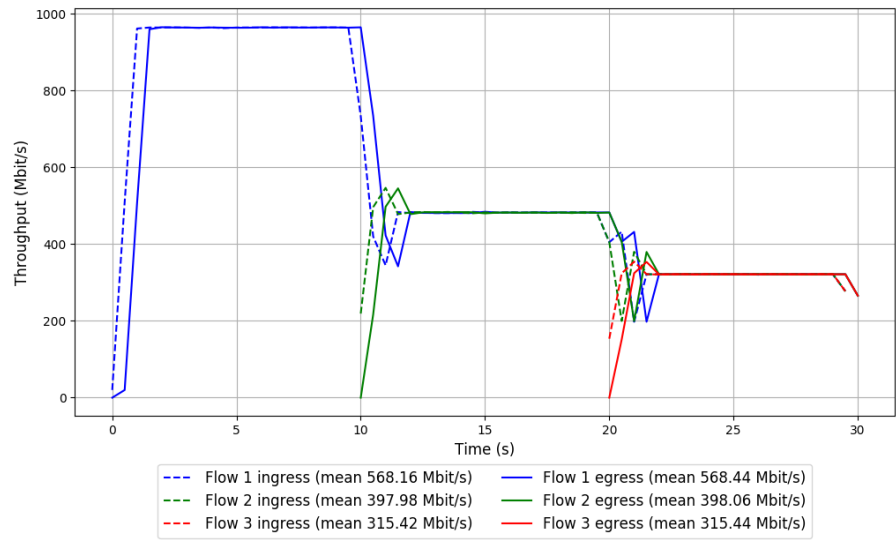
-- Flow 3:

Average throughput: 315.44 Mbit/s

95th percentile per-packet one-way delay: 4.035 ms

Loss rate: 0.22%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 20:02:05

End at: 2018-08-22 20:02:35

Local clock offset: 1.087 ms

Remote clock offset: 4.248 ms

Below is generated by plot.py at 2018-08-23 00:49:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 948.40 Mbit/s

95th percentile per-packet one-way delay: 9.541 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 579.80 Mbit/s

95th percentile per-packet one-way delay: 14.806 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 396.45 Mbit/s

95th percentile per-packet one-way delay: 3.624 ms

Loss rate: 0.09%

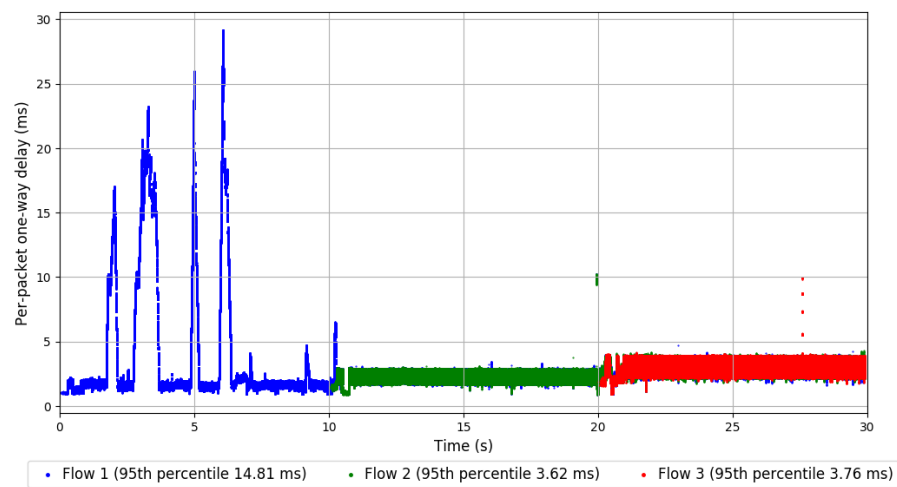
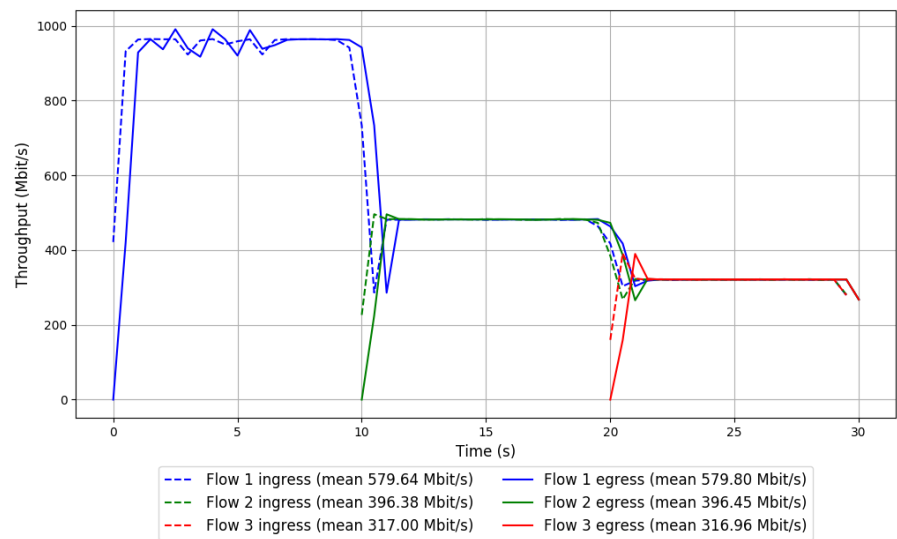
-- Flow 3:

Average throughput: 316.96 Mbit/s

95th percentile per-packet one-way delay: 3.756 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 20:28:55

End at: 2018-08-22 20:29:25

Local clock offset: -3.443 ms

Remote clock offset: 3.501 ms

Below is generated by plot.py at 2018-08-23 00:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 938.45 Mbit/s

95th percentile per-packet one-way delay: 3.774 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 568.09 Mbit/s

95th percentile per-packet one-way delay: 3.685 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 398.03 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 0.09%

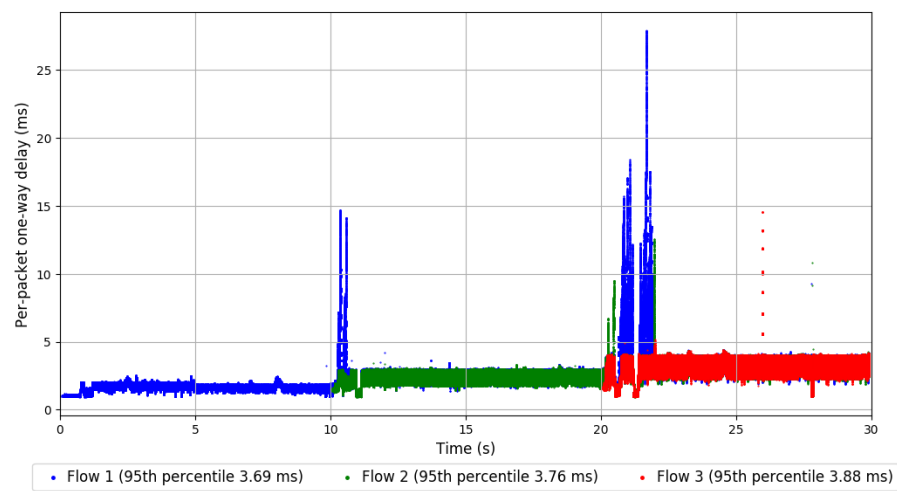
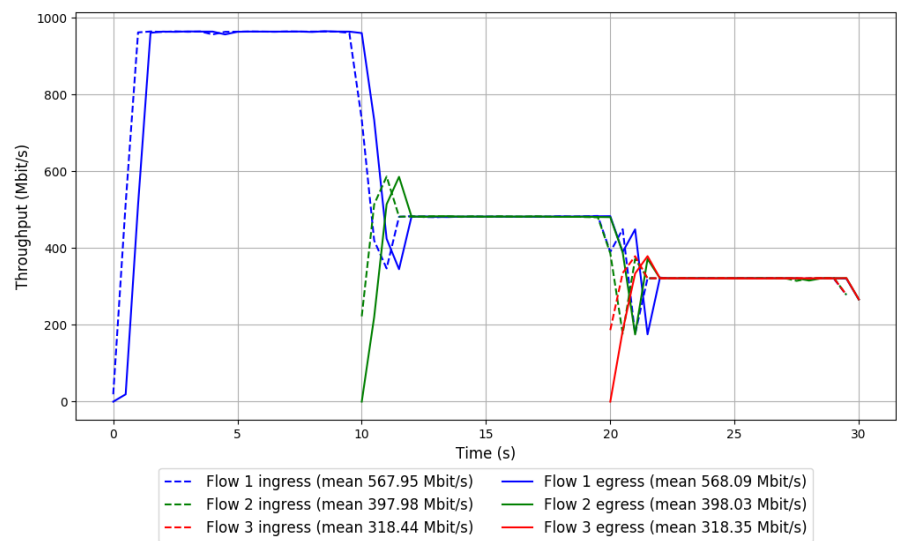
-- Flow 3:

Average throughput: 318.35 Mbit/s

95th percentile per-packet one-way delay: 3.878 ms

Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 20:55:45

End at: 2018-08-22 20:56:15

Local clock offset: -4.931 ms

Remote clock offset: 3.016 ms

Below is generated by plot.py at 2018-08-23 00:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 944.13 Mbit/s

95th percentile per-packet one-way delay: 18.952 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 575.60 Mbit/s

95th percentile per-packet one-way delay: 20.131 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 396.55 Mbit/s

95th percentile per-packet one-way delay: 3.805 ms

Loss rate: 0.08%

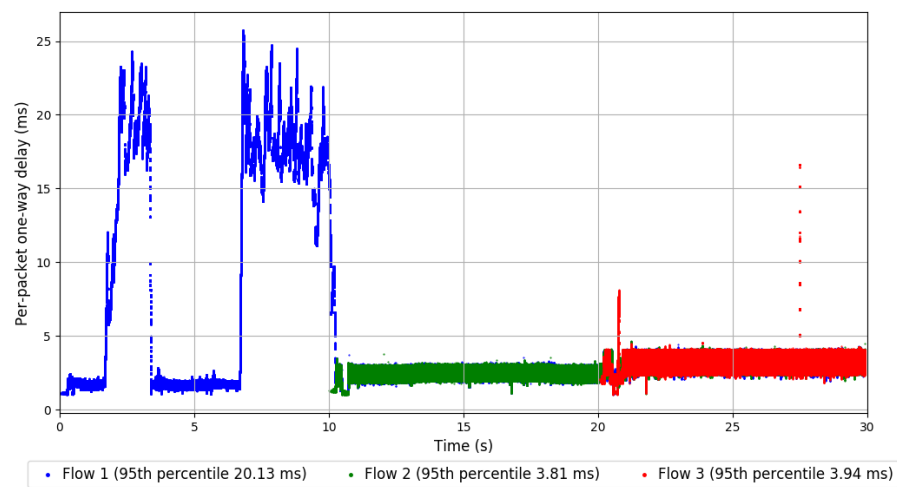
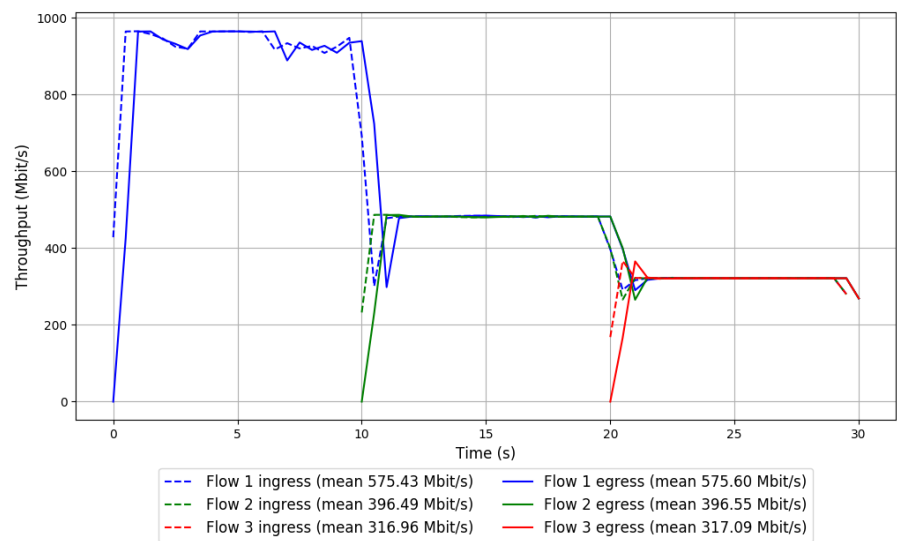
-- Flow 3:

Average throughput: 317.09 Mbit/s

95th percentile per-packet one-way delay: 3.940 ms

Loss rate: 0.22%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 21:22:33

End at: 2018-08-22 21:23:03

Local clock offset: -2.822 ms

Remote clock offset: 2.686 ms

Below is generated by plot.py at 2018-08-23 00:50:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 937.71 Mbit/s

95th percentile per-packet one-way delay: 5.572 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 567.80 Mbit/s

95th percentile per-packet one-way delay: 12.390 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 398.67 Mbit/s

95th percentile per-packet one-way delay: 3.738 ms

Loss rate: 0.09%

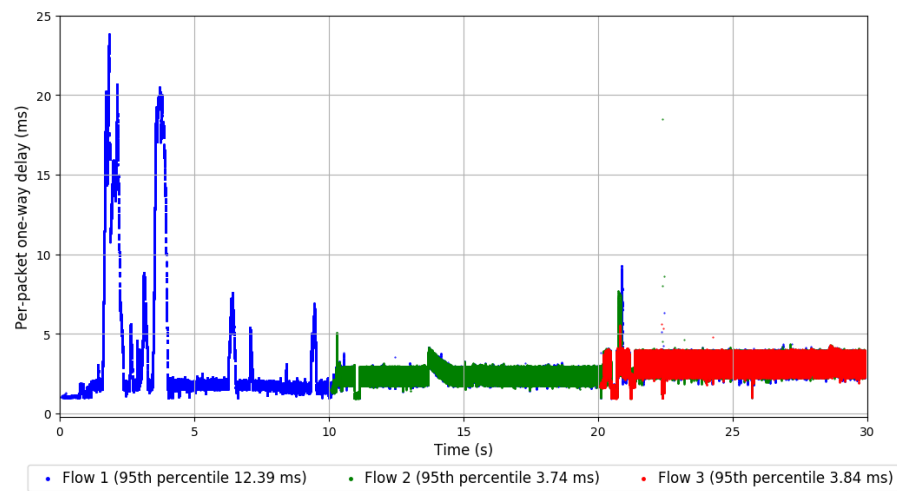
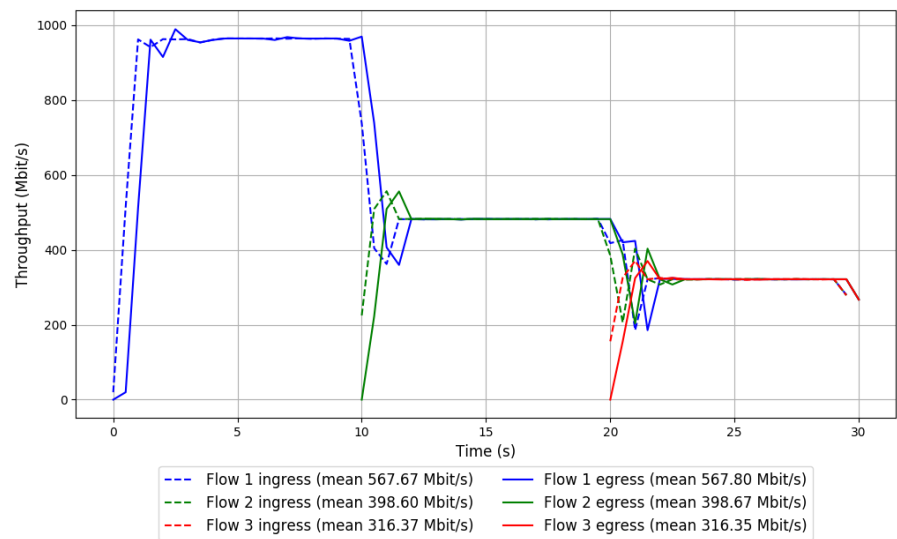
-- Flow 3:

Average throughput: 316.35 Mbit/s

95th percentile per-packet one-way delay: 3.840 ms

Loss rate: 0.22%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 21:49:27

End at: 2018-08-22 21:49:57

Local clock offset: -2.385 ms

Remote clock offset: 2.679 ms

Below is generated by plot.py at 2018-08-23 00:57:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 948.28 Mbit/s

95th percentile per-packet one-way delay: 3.883 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 579.24 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 397.39 Mbit/s

95th percentile per-packet one-way delay: 3.802 ms

Loss rate: 0.08%

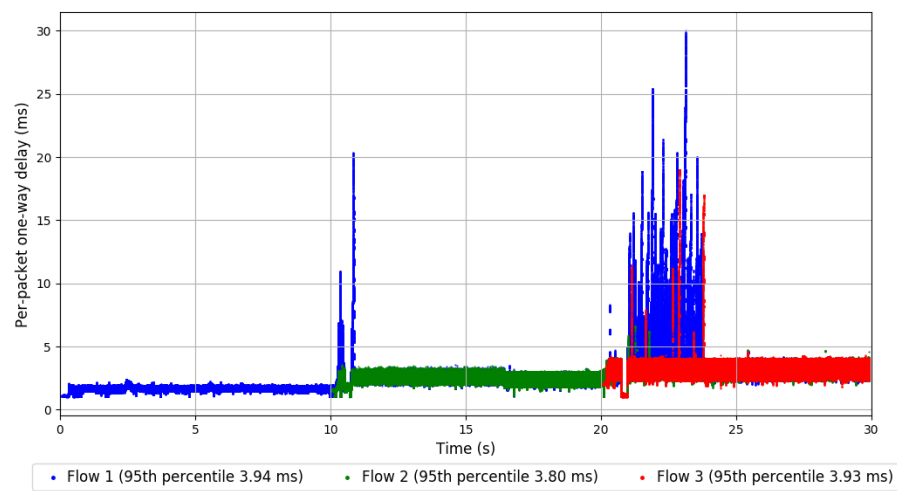
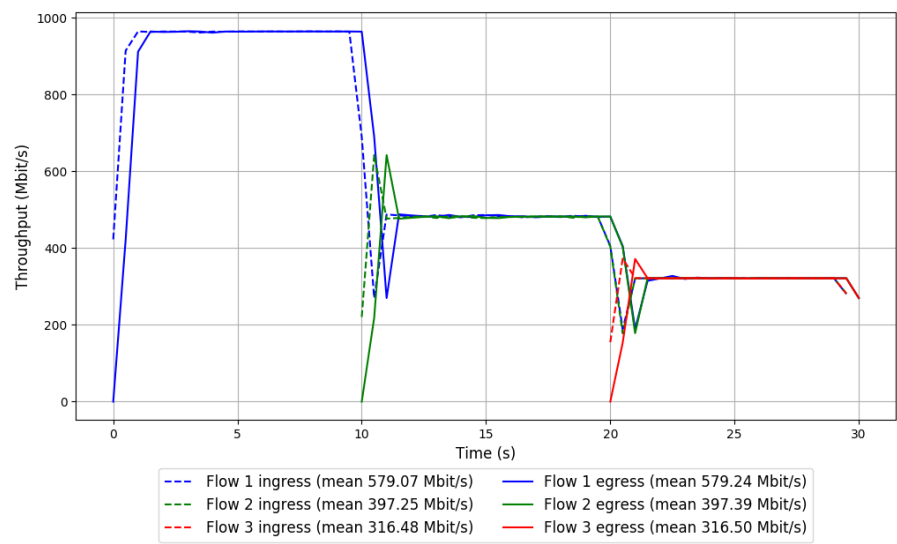
-- Flow 3:

Average throughput: 316.50 Mbit/s

95th percentile per-packet one-way delay: 3.934 ms

Loss rate: 0.22%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 22:16:23

End at: 2018-08-22 22:16:53

Local clock offset: -0.285 ms

Remote clock offset: 2.761 ms

Below is generated by plot.py at 2018-08-23 00:57:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 932.59 Mbit/s

95th percentile per-packet one-way delay: 18.211 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 560.38 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 401.15 Mbit/s

95th percentile per-packet one-way delay: 3.698 ms

Loss rate: 0.09%

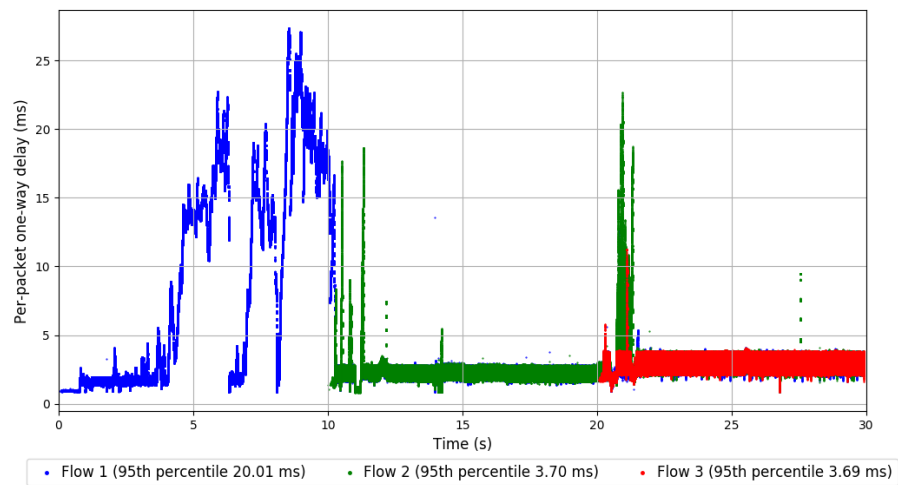
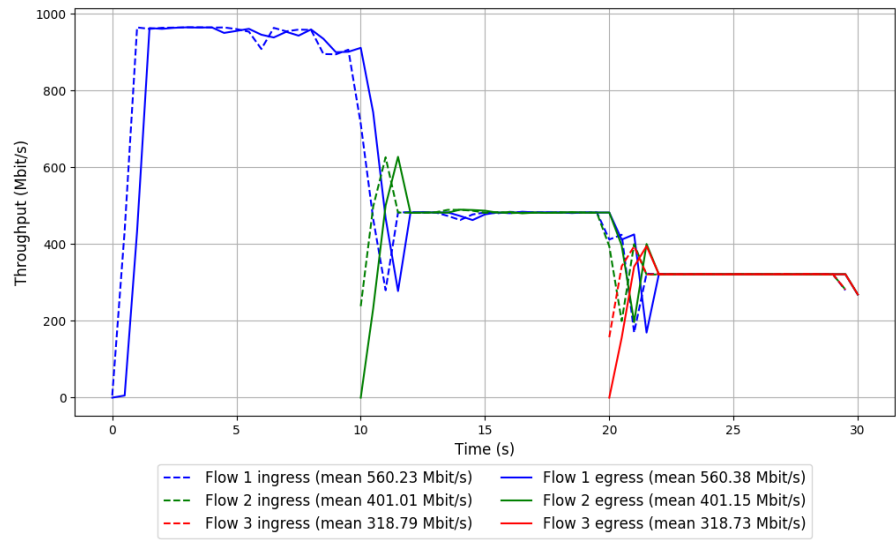
-- Flow 3:

Average throughput: 318.73 Mbit/s

95th percentile per-packet one-way delay: 3.686 ms

Loss rate: 0.23%

Run 8: Report of FillP-Sheep — Data Link

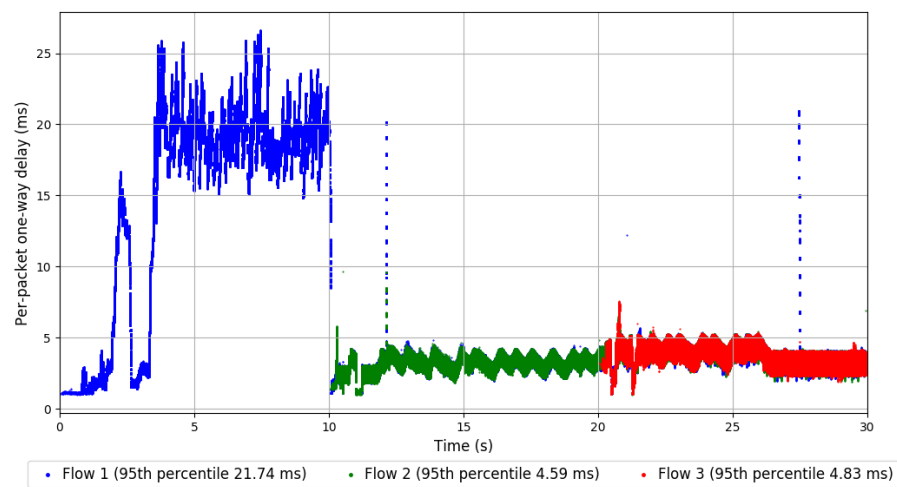
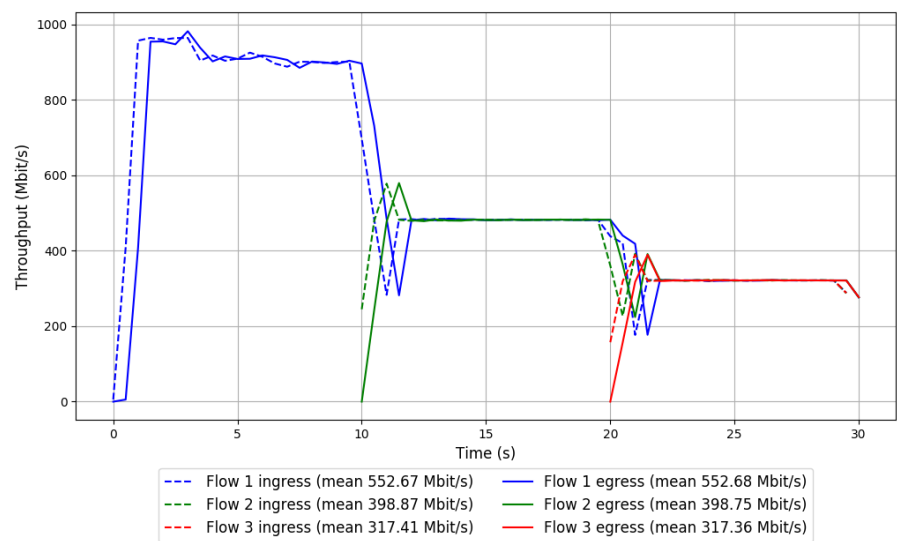


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 22:43:06
End at: 2018-08-22 22:43:36
Local clock offset: 1.01 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2018-08-23 01:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.78 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 552.68 Mbit/s
95th percentile per-packet one-way delay: 21.741 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 398.75 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 4.826 ms
Loss rate: 0.23%

Run 9: Report of FillP-Sheep — Data Link

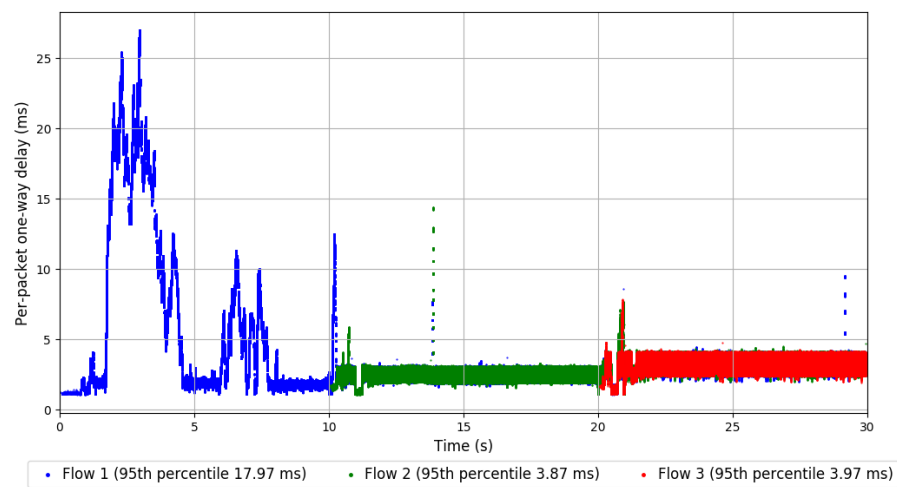
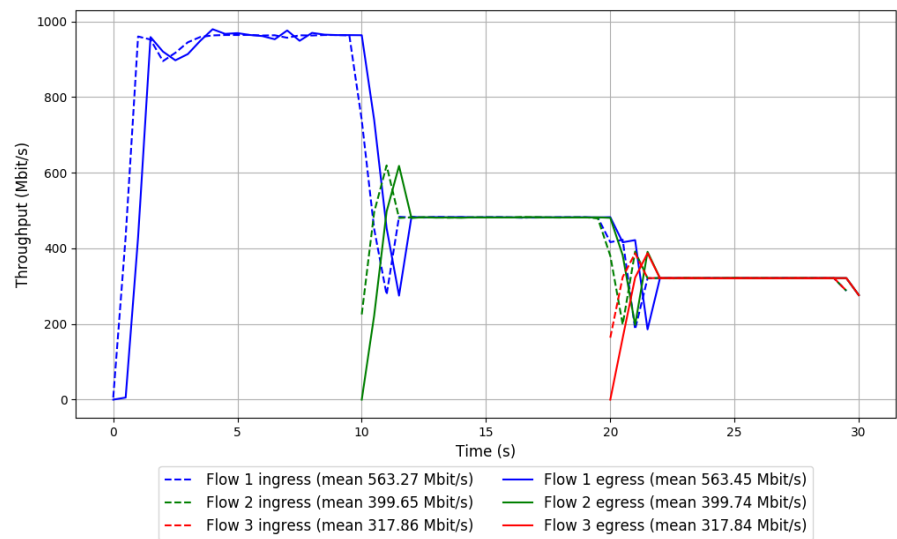


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 23:10:05
End at: 2018-08-22 23:10:35
Local clock offset: 0.783 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-08-23 01:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 934.40 Mbit/s
95th percentile per-packet one-way delay: 15.334 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 563.45 Mbit/s
95th percentile per-packet one-way delay: 17.972 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.74 Mbit/s
95th percentile per-packet one-way delay: 3.872 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 317.84 Mbit/s
95th percentile per-packet one-way delay: 3.971 ms
Loss rate: 0.21%

Run 10: Report of FillP-Sheep — Data Link

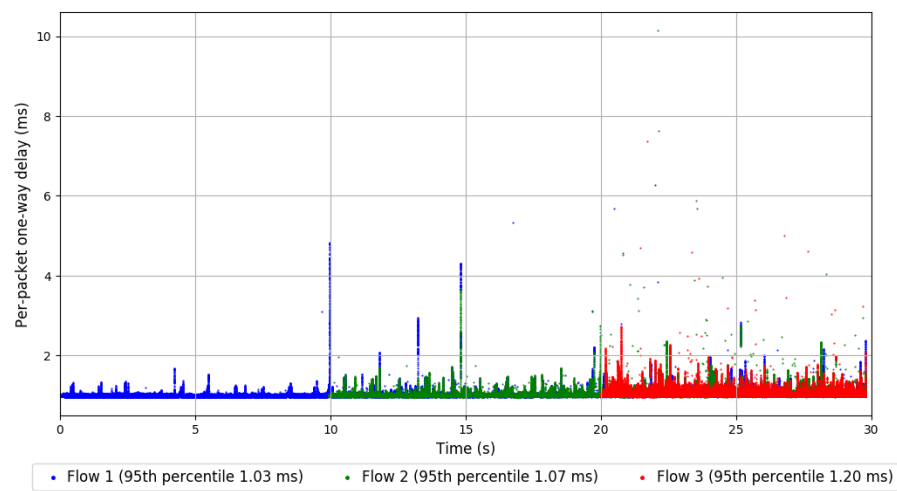
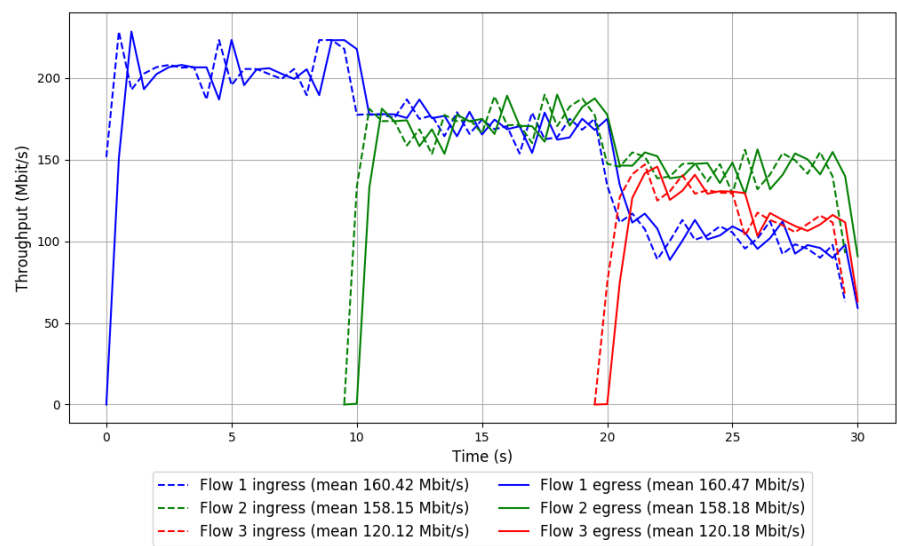


```
Run 1: Statistics of Indigo

Start at: 2018-08-22 19:17:37
End at: 2018-08-22 19:18:07
Local clock offset: 0.446 ms
Remote clock offset: -0.47 ms

# Below is generated by plot.py at 2018-08-23 01:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.34 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 160.47 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 158.18 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 120.18 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.14%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-22 19:44:28

End at: 2018-08-22 19:44:58

Local clock offset: 0.747 ms

Remote clock offset: 2.997 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.45 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 172.82 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 157.67 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.11%

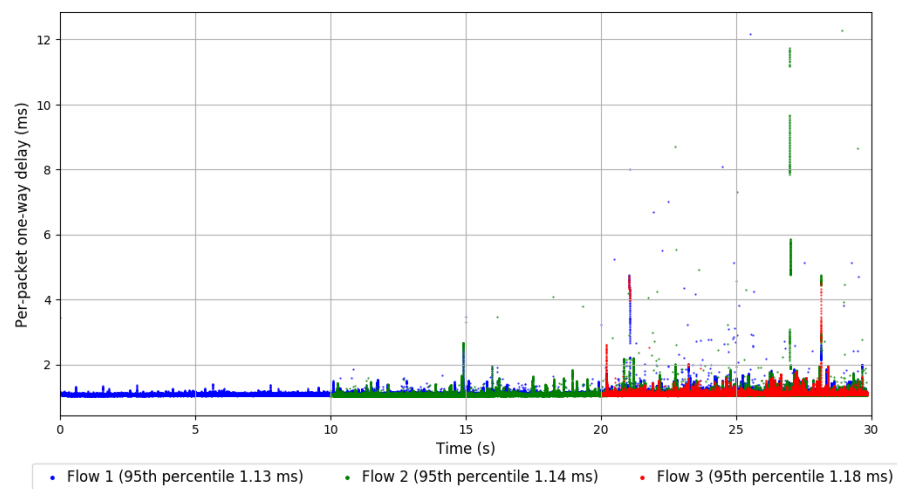
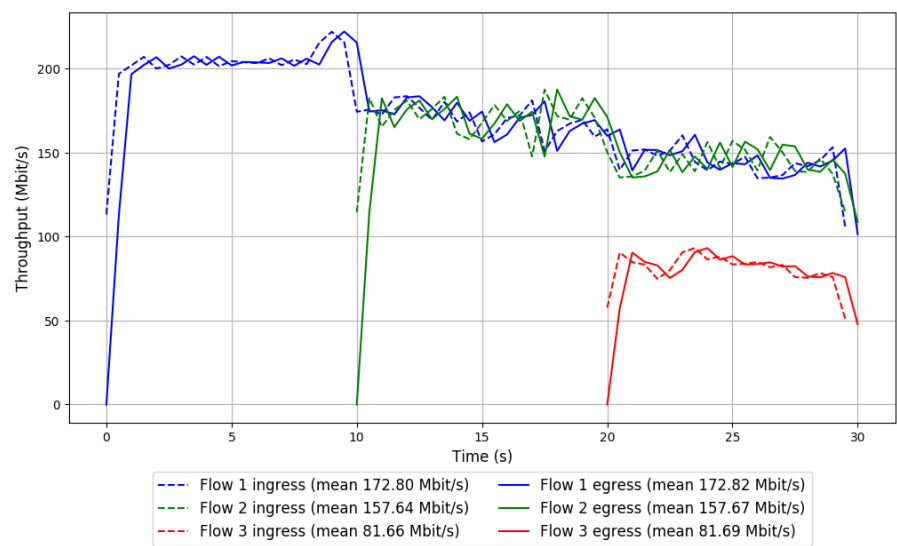
-- Flow 3:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.21%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 20:11:25

End at: 2018-08-22 20:11:55

Local clock offset: -0.487 ms

Remote clock offset: 3.437 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.21 Mbit/s

95th percentile per-packet one-way delay: 1.415 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 168.24 Mbit/s

95th percentile per-packet one-way delay: 1.412 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 148.83 Mbit/s

95th percentile per-packet one-way delay: 1.416 ms

Loss rate: 0.06%

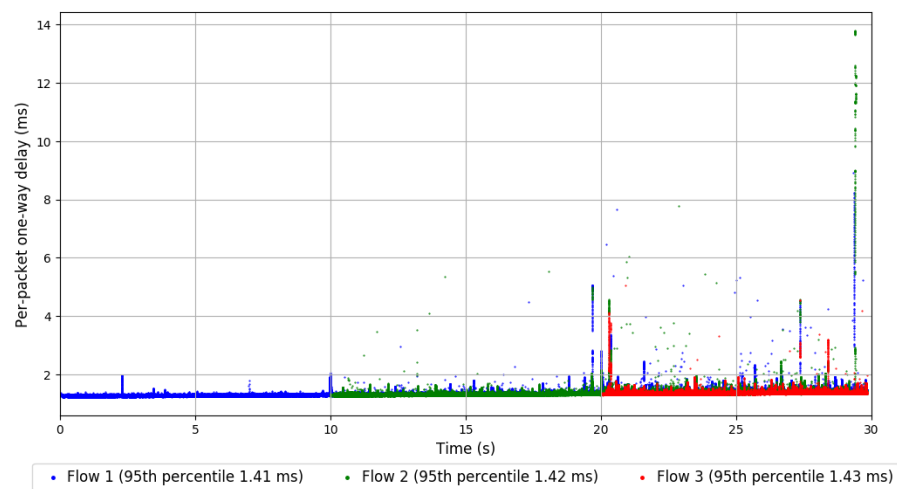
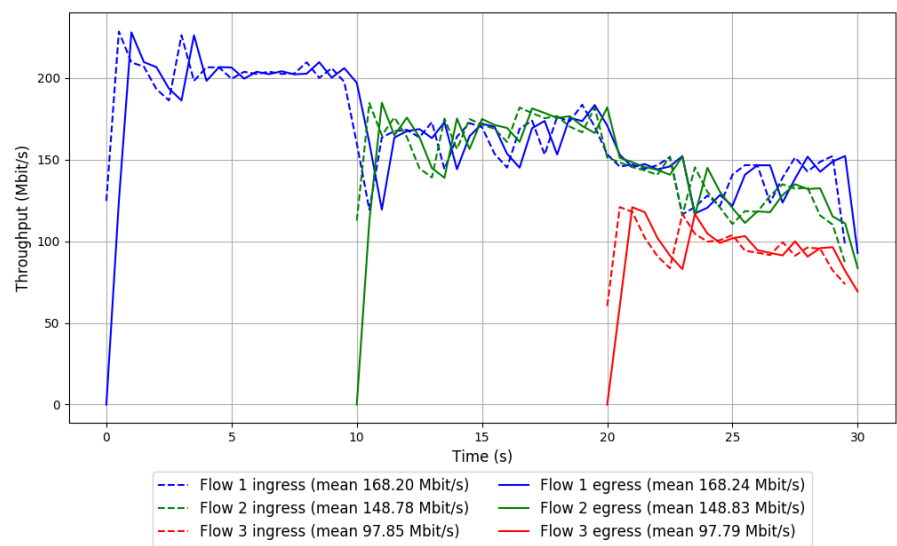
-- Flow 3:

Average throughput: 97.79 Mbit/s

95th percentile per-packet one-way delay: 1.434 ms

Loss rate: 0.25%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-22 20:38:17

End at: 2018-08-22 20:38:47

Local clock offset: -4.032 ms

Remote clock offset: 3.443 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.78 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 166.86 Mbit/s

95th percentile per-packet one-way delay: 1.132 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.07%

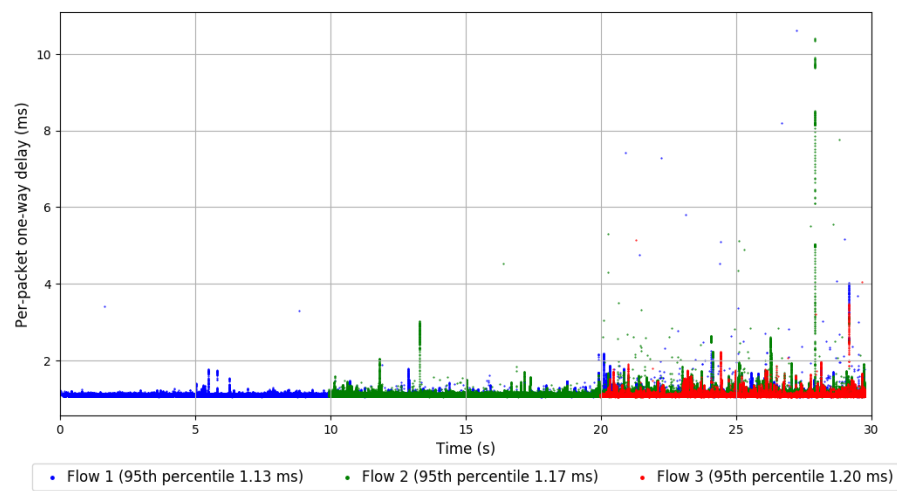
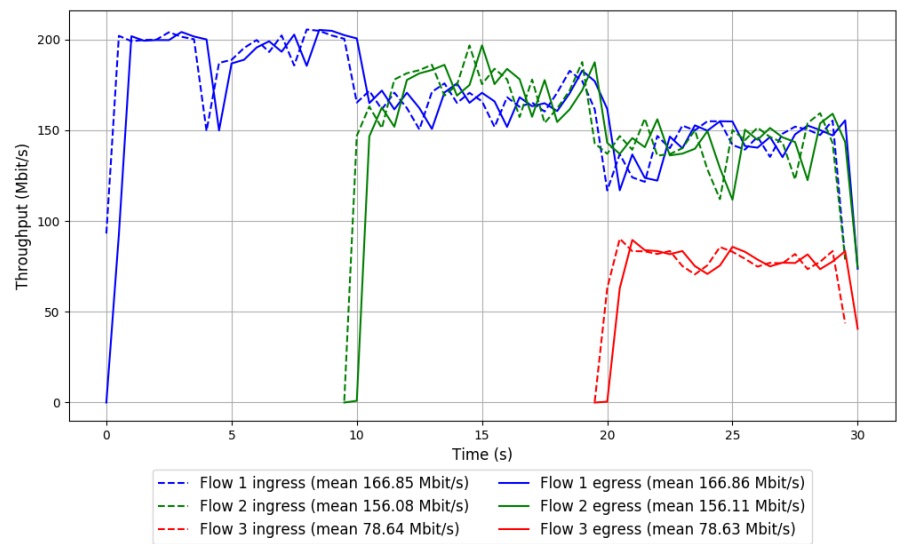
-- Flow 3:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.21%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-22 21:05:03

End at: 2018-08-22 21:05:33

Local clock offset: -5.461 ms

Remote clock offset: 3.03 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.62 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 158.26 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 149.30 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.08%

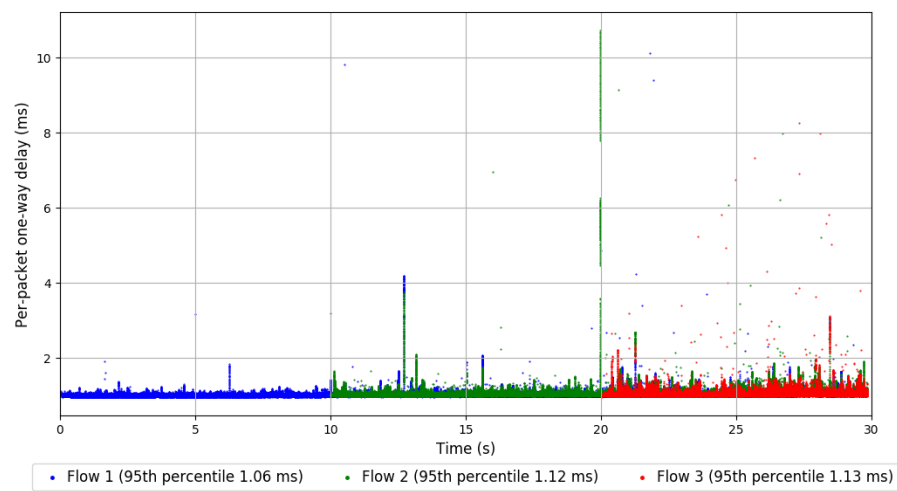
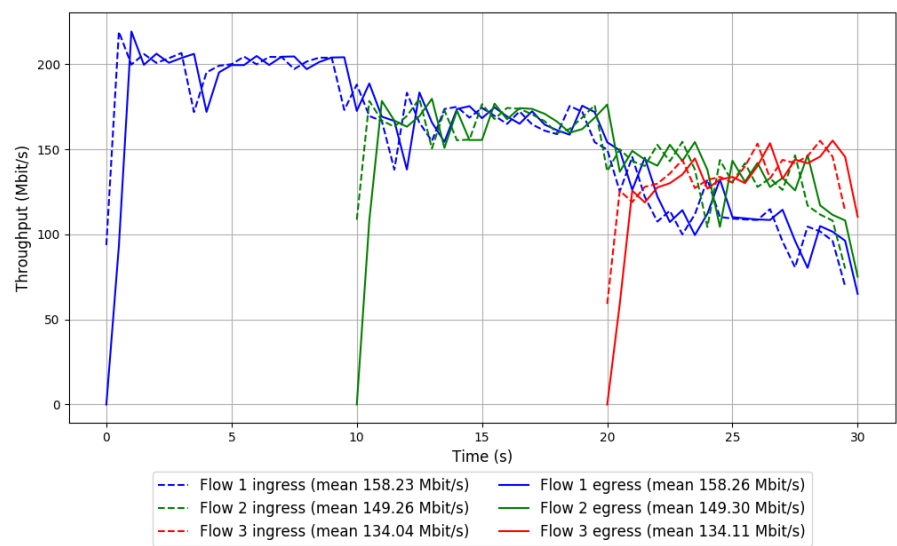
-- Flow 3:

Average throughput: 134.11 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.14%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 21:31:56

End at: 2018-08-22 21:32:26

Local clock offset: -2.373 ms

Remote clock offset: 2.651 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.40 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 168.17 Mbit/s

95th percentile per-packet one-way delay: 1.088 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 146.09 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.12%

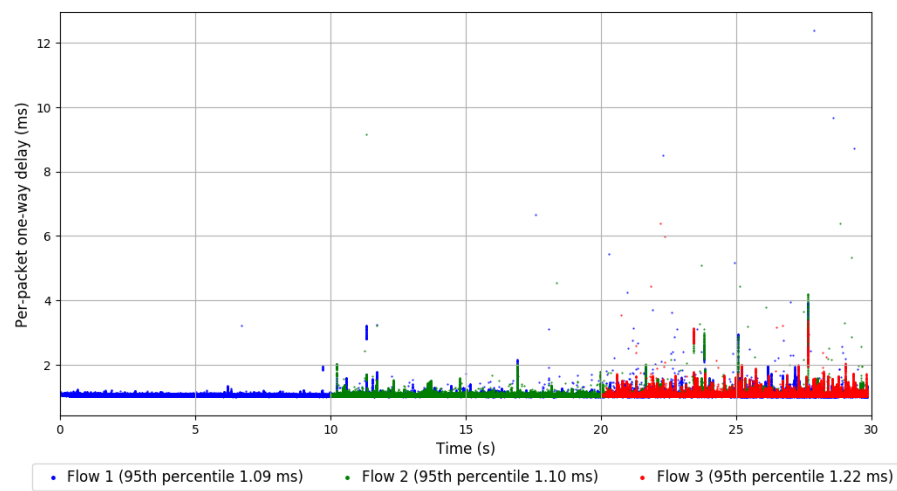
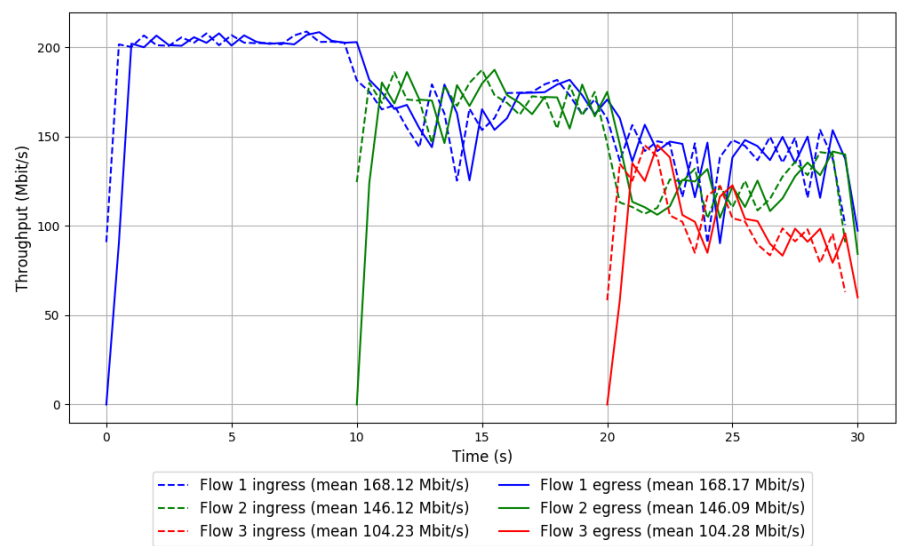
-- Flow 3:

Average throughput: 104.28 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.15%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-22 21:58:52

End at: 2018-08-22 21:59:22

Local clock offset: -2.486 ms

Remote clock offset: 2.711 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.66 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 164.33 Mbit/s

95th percentile per-packet one-way delay: 1.065 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 141.20 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.05%

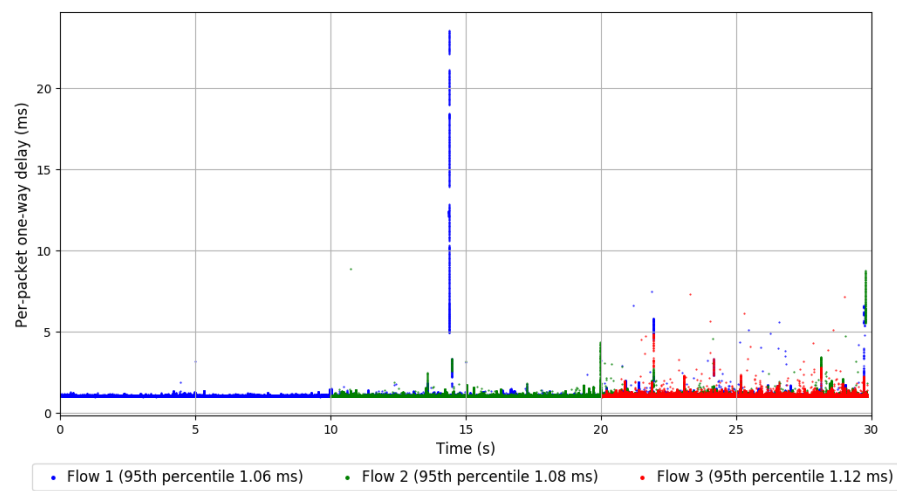
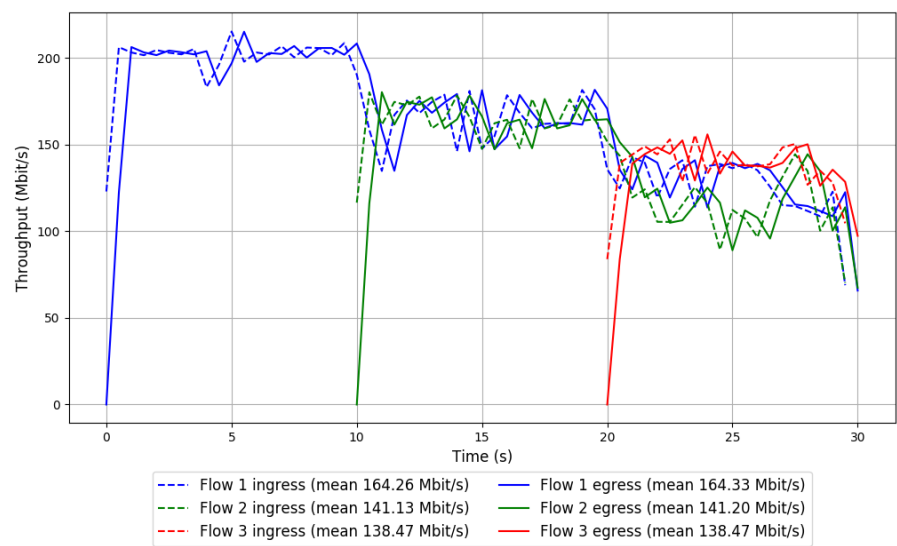
-- Flow 3:

Average throughput: 138.47 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.28%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-22 22:25:49

End at: 2018-08-22 22:26:19

Local clock offset: 0.798 ms

Remote clock offset: 0.849 ms

Below is generated by plot.py at 2018-08-23 01:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.78 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 166.81 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 156.77 Mbit/s

95th percentile per-packet one-way delay: 0.919 ms

Loss rate: 0.08%

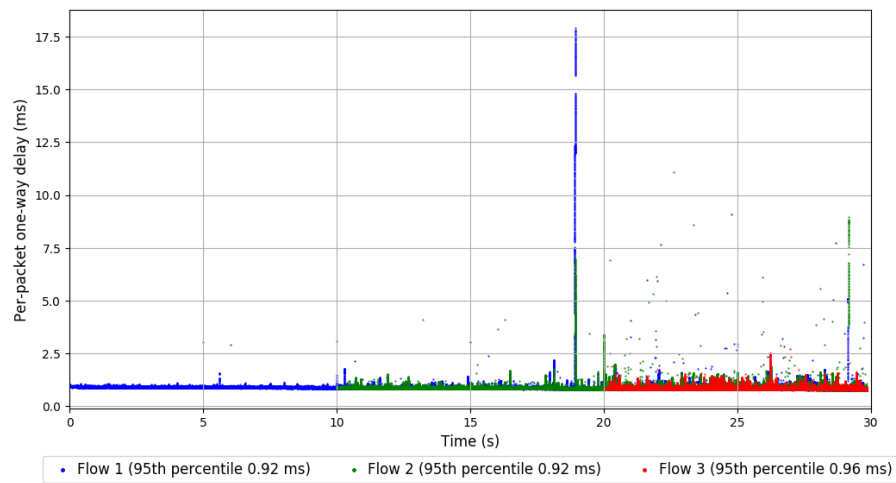
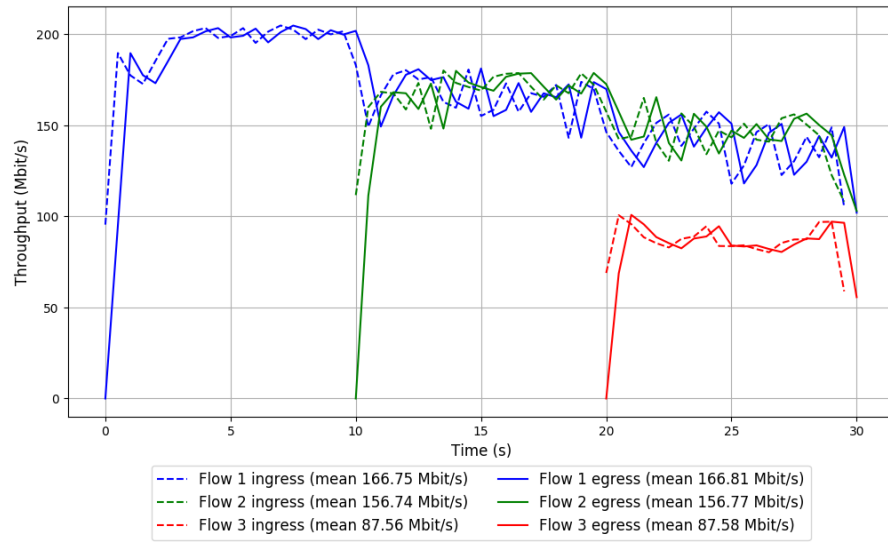
-- Flow 3:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 0.22%

Run 8: Report of Indigo — Data Link

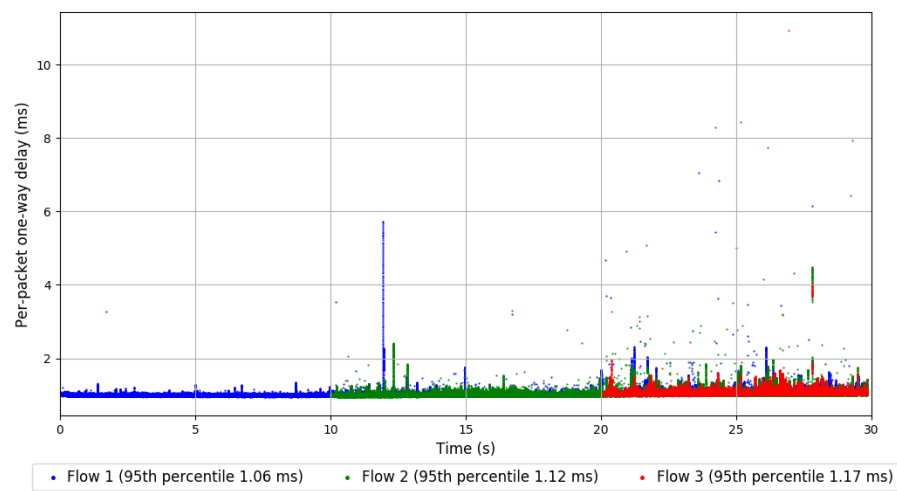
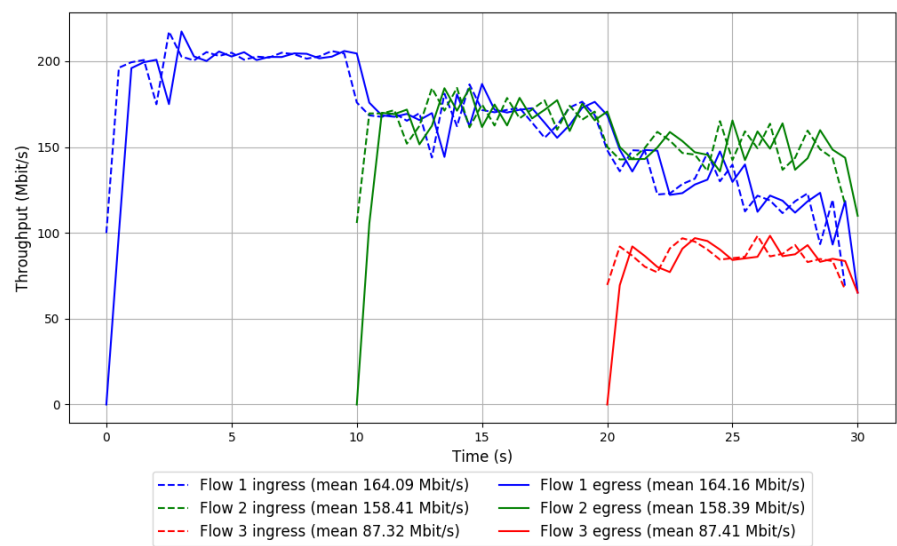


Run 9: Statistics of Indigo

Start at: 2018-08-22 22:52:29
End at: 2018-08-22 22:52:59
Local clock offset: 0.792 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-08-23 01:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.19 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 164.16 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 158.39 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.11%

Run 9: Report of Indigo — Data Link

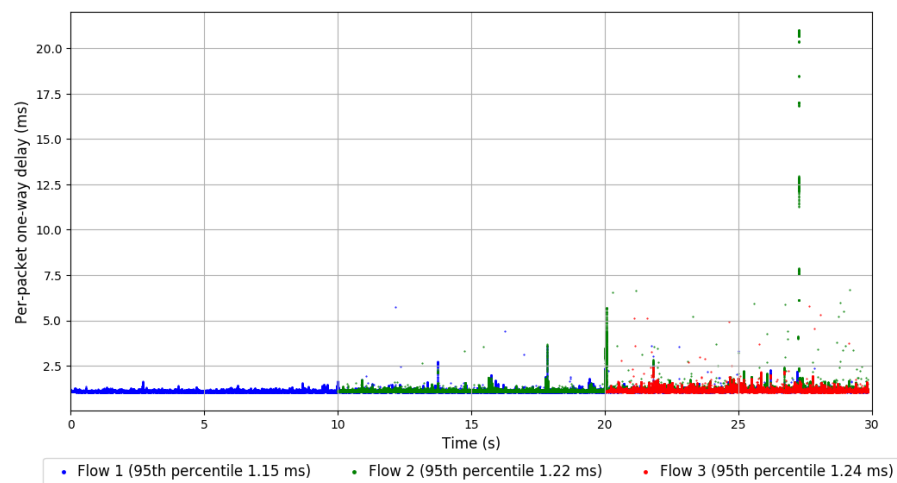
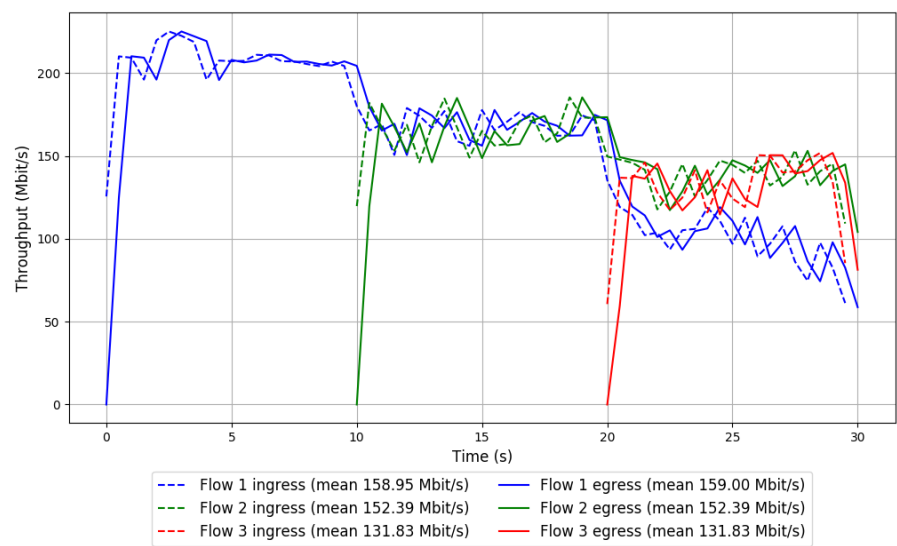


Run 10: Statistics of Indigo

Start at: 2018-08-22 23:19:15
End at: 2018-08-22 23:19:45
Local clock offset: 0.638 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-08-23 01:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.51 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 159.00 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 152.39 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.19%

Run 10: Report of Indigo — Data Link

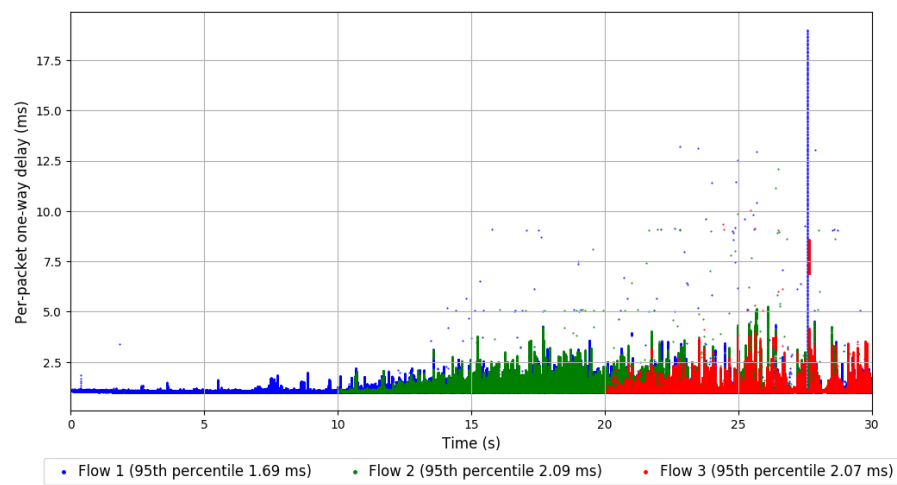
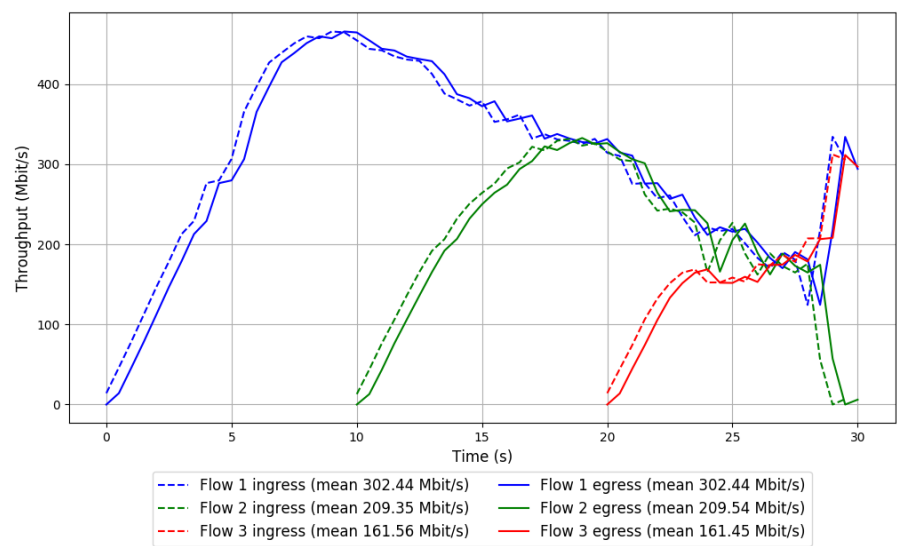


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 19:19:09
End at: 2018-08-22 19:19:39
Local clock offset: 0.544 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-08-23 01:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.50 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 302.44 Mbit/s
95th percentile per-packet one-way delay: 1.686 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 209.54 Mbit/s
95th percentile per-packet one-way delay: 2.089 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 2.073 ms
Loss rate: 0.31%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-22 19:46:00

End at: 2018-08-22 19:46:30

Local clock offset: 0.808 ms

Remote clock offset: 3.114 ms

Below is generated by plot.py at 2018-08-23 01:03:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.53 Mbit/s

95th percentile per-packet one-way delay: 1.843 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 282.79 Mbit/s

95th percentile per-packet one-way delay: 1.741 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 223.54 Mbit/s

95th percentile per-packet one-way delay: 2.021 ms

Loss rate: 0.06%

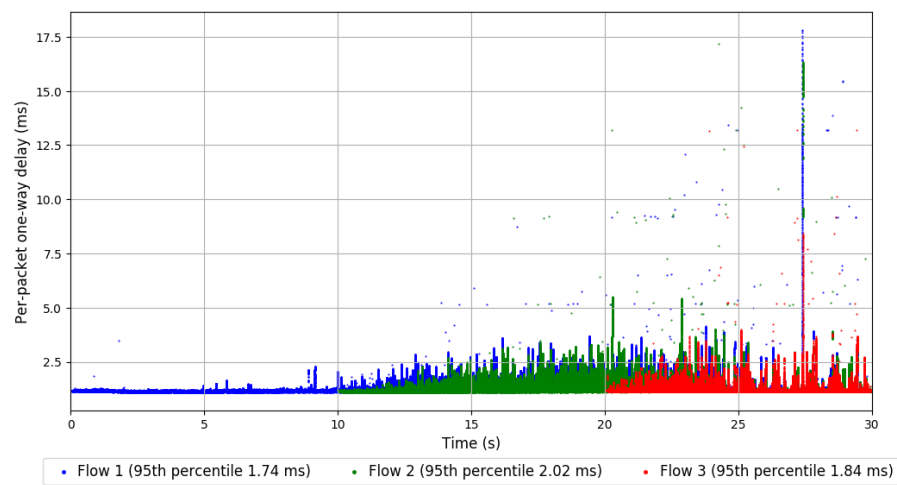
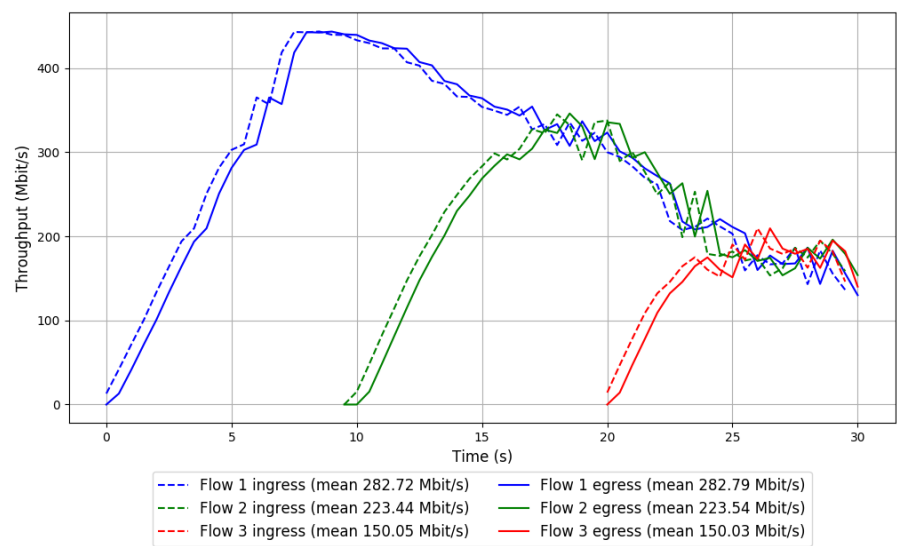
-- Flow 3:

Average throughput: 150.03 Mbit/s

95th percentile per-packet one-way delay: 1.844 ms

Loss rate: 0.21%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-22 20:12:56

End at: 2018-08-22 20:13:26

Local clock offset: -0.917 ms

Remote clock offset: 3.405 ms

Below is generated by plot.py at 2018-08-23 01:03:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.44 Mbit/s

95th percentile per-packet one-way delay: 2.090 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 288.39 Mbit/s

95th percentile per-packet one-way delay: 1.957 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 226.03 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.08%

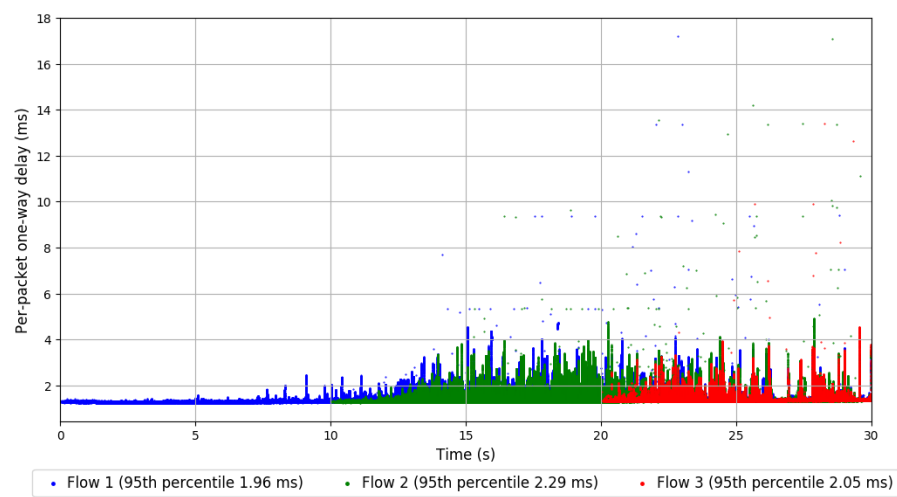
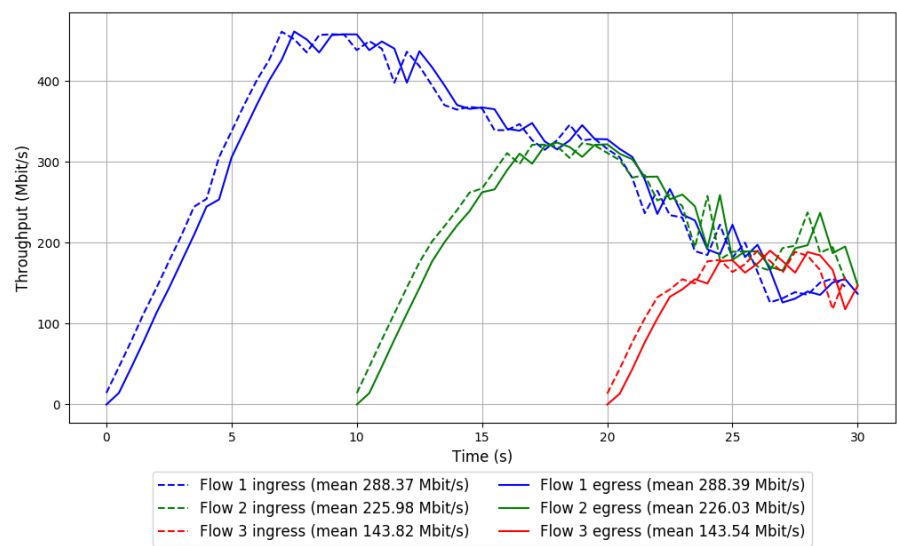
-- Flow 3:

Average throughput: 143.54 Mbit/s

95th percentile per-packet one-way delay: 2.048 ms

Loss rate: 0.40%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-22 20:39:48

End at: 2018-08-22 20:40:18

Local clock offset: -4.103 ms

Remote clock offset: 3.363 ms

Below is generated by plot.py at 2018-08-23 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.85 Mbit/s

95th percentile per-packet one-way delay: 1.852 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 290.83 Mbit/s

95th percentile per-packet one-way delay: 1.778 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 215.76 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.08%

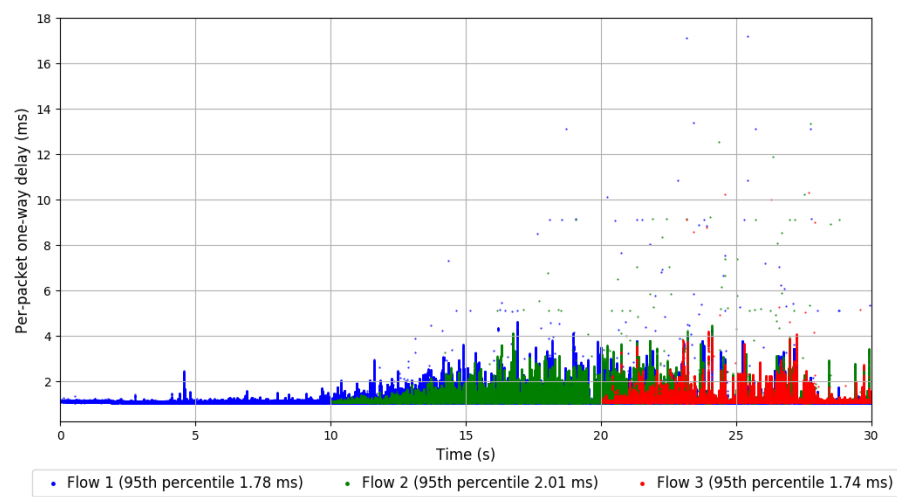
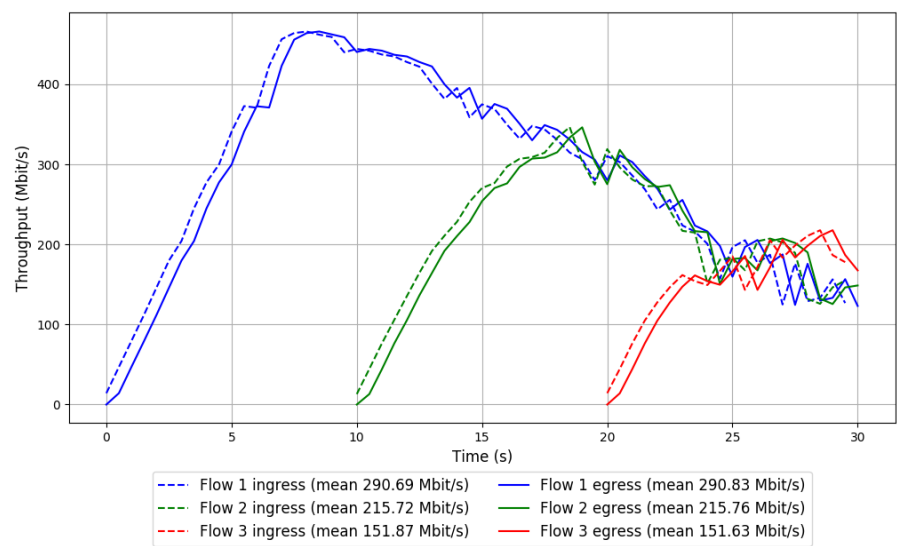
-- Flow 3:

Average throughput: 151.63 Mbit/s

95th percentile per-packet one-way delay: 1.739 ms

Loss rate: 0.35%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-22 21:06:34

End at: 2018-08-22 21:07:04

Local clock offset: -5.529 ms

Remote clock offset: 3.013 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 494.05 Mbit/s

95th percentile per-packet one-way delay: 1.720 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 296.70 Mbit/s

95th percentile per-packet one-way delay: 1.638 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 221.97 Mbit/s

95th percentile per-packet one-way delay: 1.856 ms

Loss rate: 0.08%

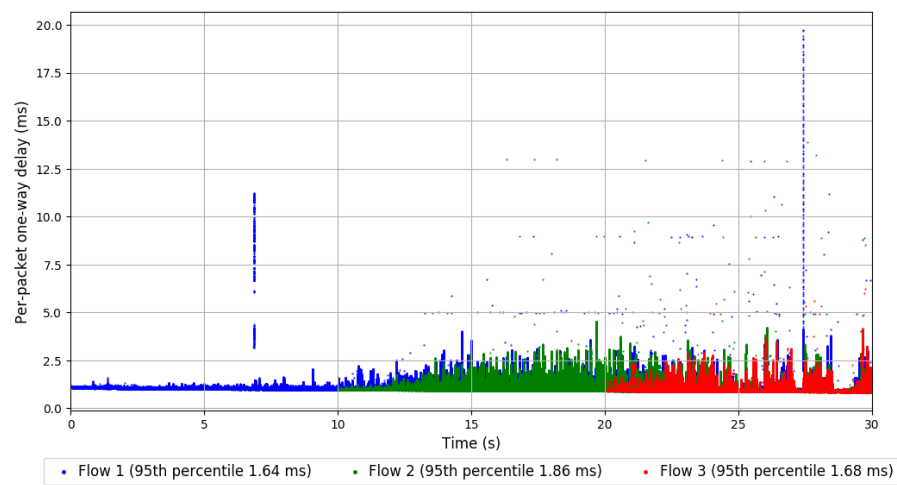
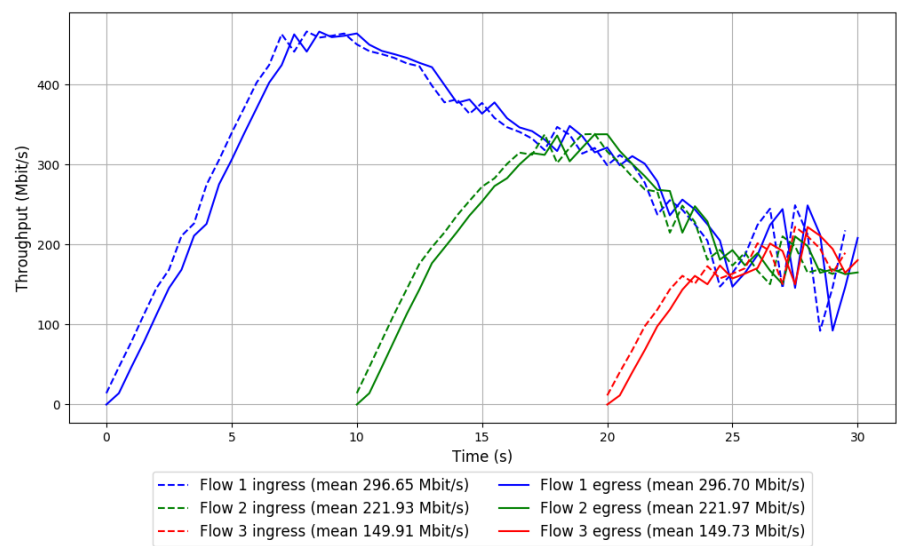
-- Flow 3:

Average throughput: 149.73 Mbit/s

95th percentile per-packet one-way delay: 1.675 ms

Loss rate: 0.32%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-22 21:33:27

End at: 2018-08-22 21:33:57

Local clock offset: -2.341 ms

Remote clock offset: 2.632 ms

Below is generated by plot.py at 2018-08-23 01:06:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.64 Mbit/s

95th percentile per-packet one-way delay: 1.888 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 282.05 Mbit/s

95th percentile per-packet one-way delay: 1.827 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 231.35 Mbit/s

95th percentile per-packet one-way delay: 1.996 ms

Loss rate: 0.05%

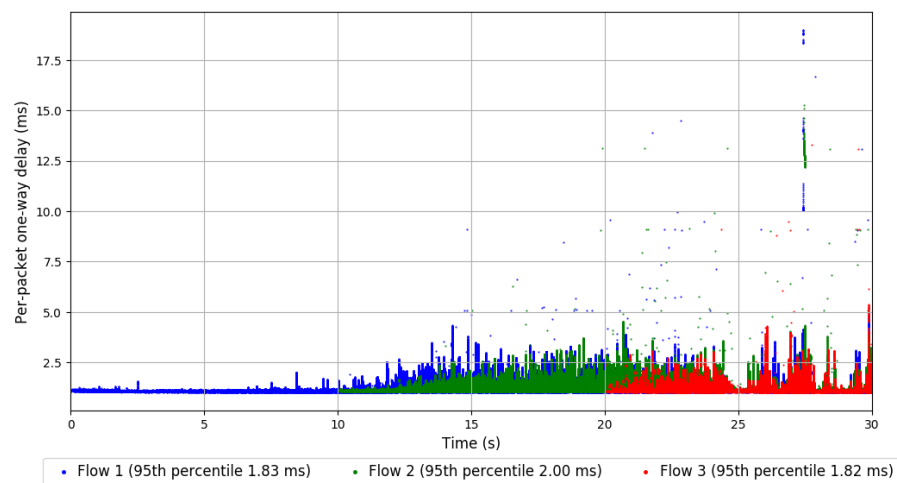
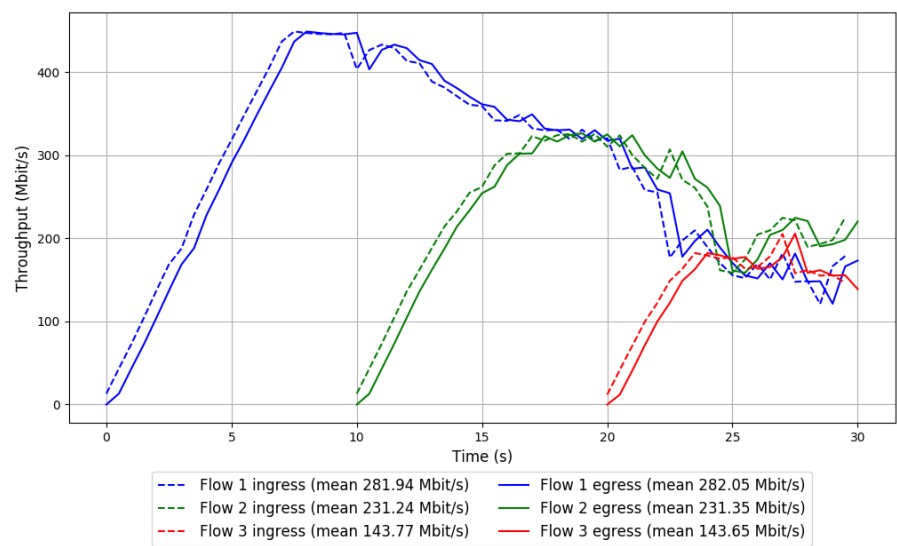
-- Flow 3:

Average throughput: 143.65 Mbit/s

95th percentile per-packet one-way delay: 1.821 ms

Loss rate: 0.28%

Run 6: Report of LEDBAT — Data Link

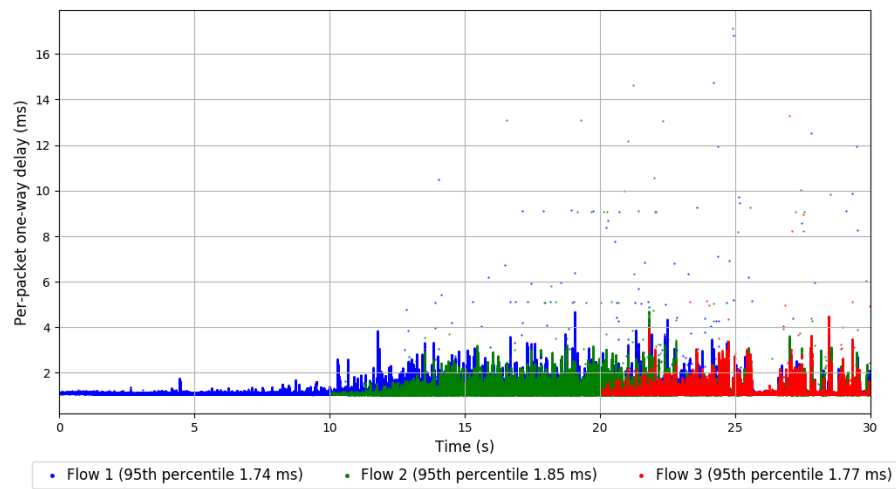
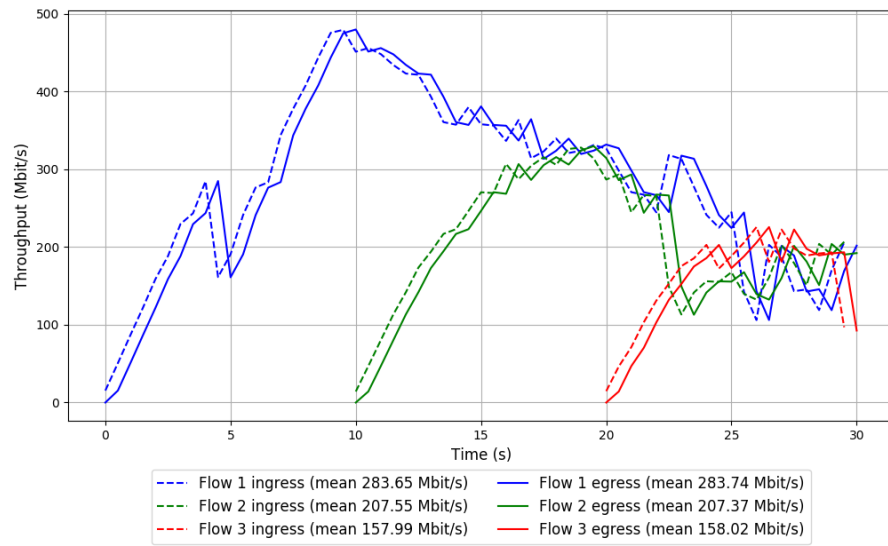


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 22:00:23
End at: 2018-08-22 22:00:53
Local clock offset: -2.379 ms
Remote clock offset: 2.794 ms

Below is generated by plot.py at 2018-08-23 01:07:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.20 Mbit/s
95th percentile per-packet one-way delay: 1.777 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 283.74 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 207.37 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 158.02 Mbit/s
95th percentile per-packet one-way delay: 1.771 ms
Loss rate: 0.14%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

End at: 2018-08-22 22:27:50

Local clock offset: 0.931 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-08-23 01:07:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.70 Mbit/s

95th percentile per-packet one-way delay: 1.520 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 246.77 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 171.14 Mbit/s

95th percentile per-packet one-way delay: 1.581 ms

Loss rate: 0.07%

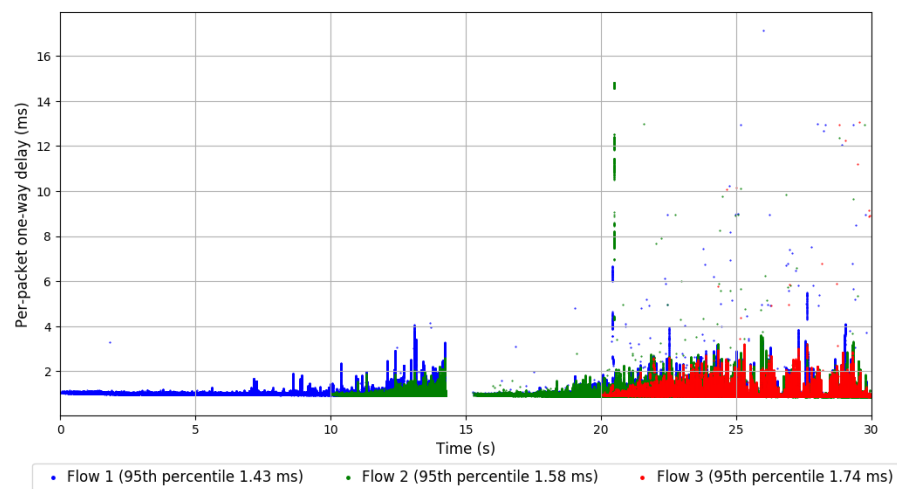
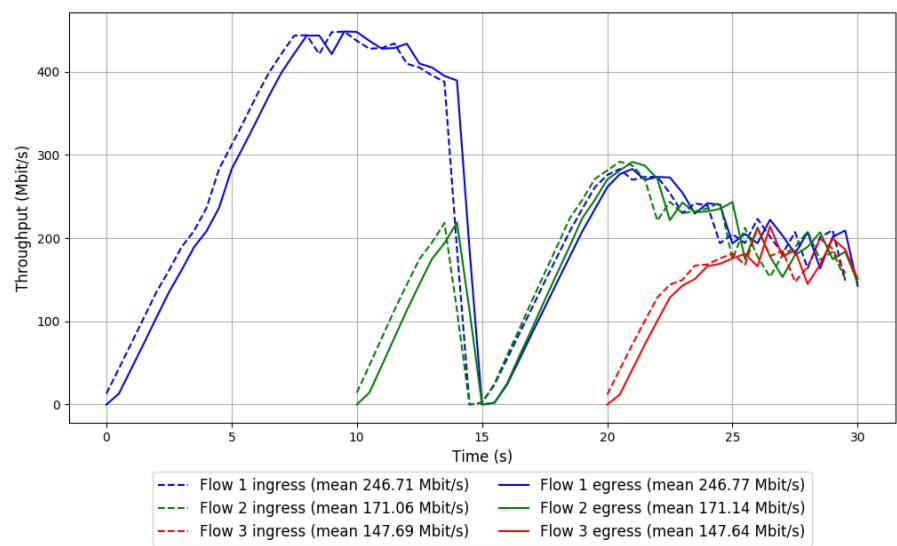
-- Flow 3:

Average throughput: 147.64 Mbit/s

95th percentile per-packet one-way delay: 1.739 ms

Loss rate: 0.25%

Run 8: Report of LEDBAT — Data Link

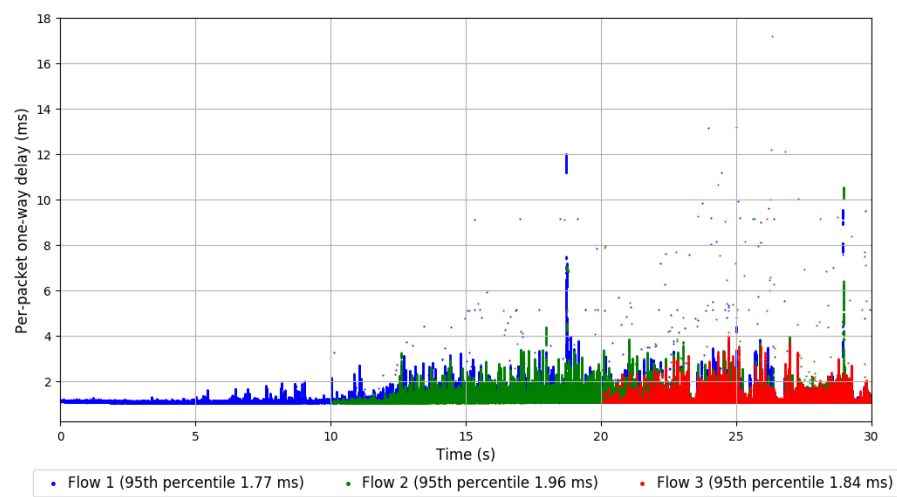
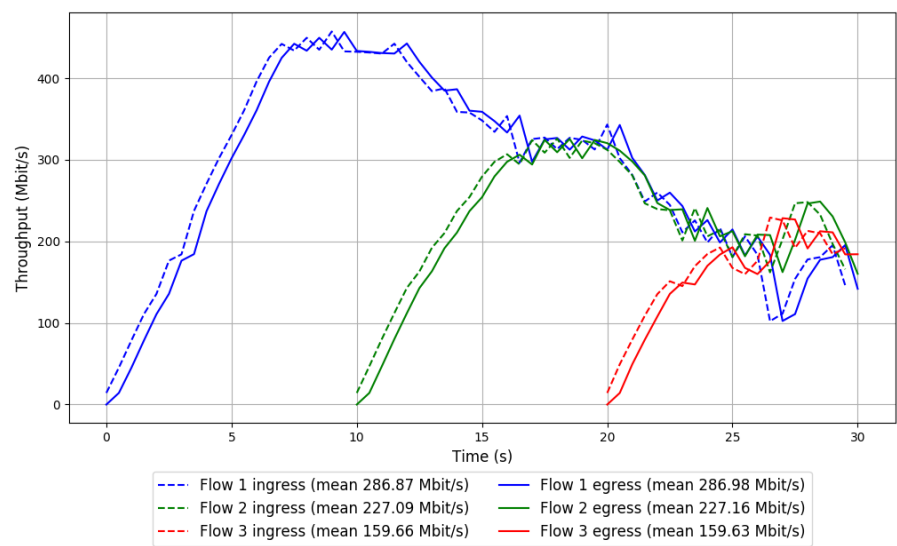


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 22:54:00
End at: 2018-08-22 22:54:30
Local clock offset: 0.695 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-08-23 01:08:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.13 Mbit/s
95th percentile per-packet one-way delay: 1.841 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 286.98 Mbit/s
95th percentile per-packet one-way delay: 1.773 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 227.16 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 159.63 Mbit/s
95th percentile per-packet one-way delay: 1.842 ms
Loss rate: 0.25%

Run 9: Report of LEDBAT — Data Link

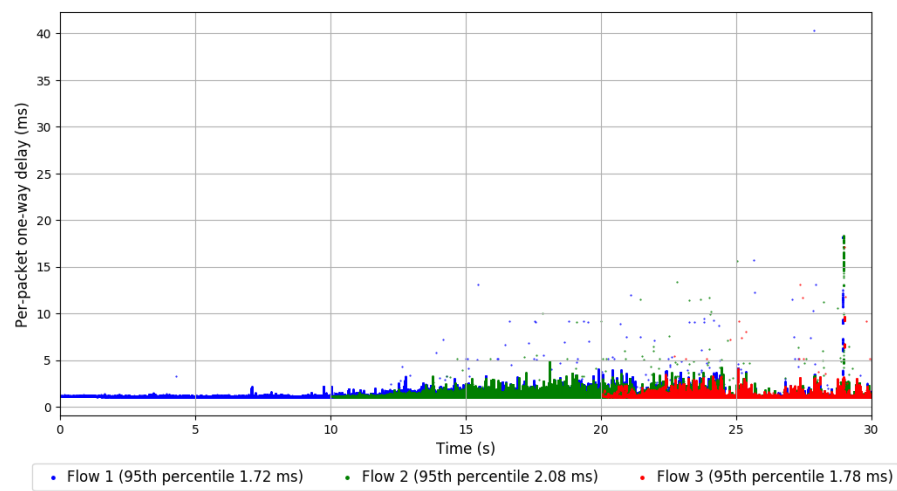
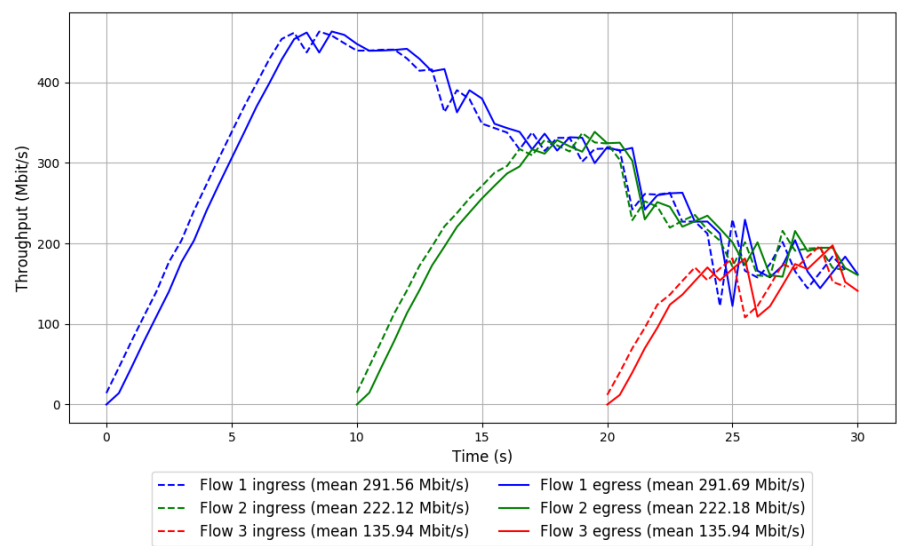


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 23:20:46
End at: 2018-08-22 23:21:16
Local clock offset: 0.613 ms
Remote clock offset: -0.594 ms

Below is generated by plot.py at 2018-08-23 01:08:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 484.61 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 291.69 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 222.18 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 135.94 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.21%

Run 10: Report of LEDBAT — Data Link

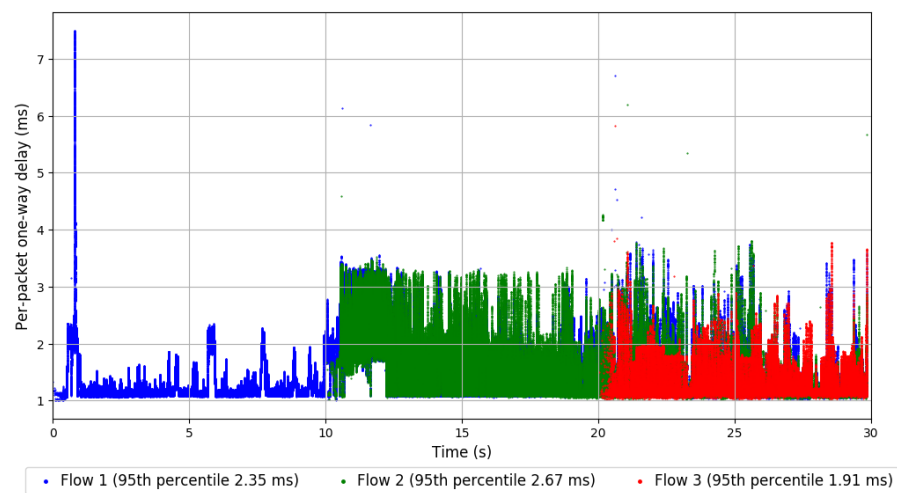
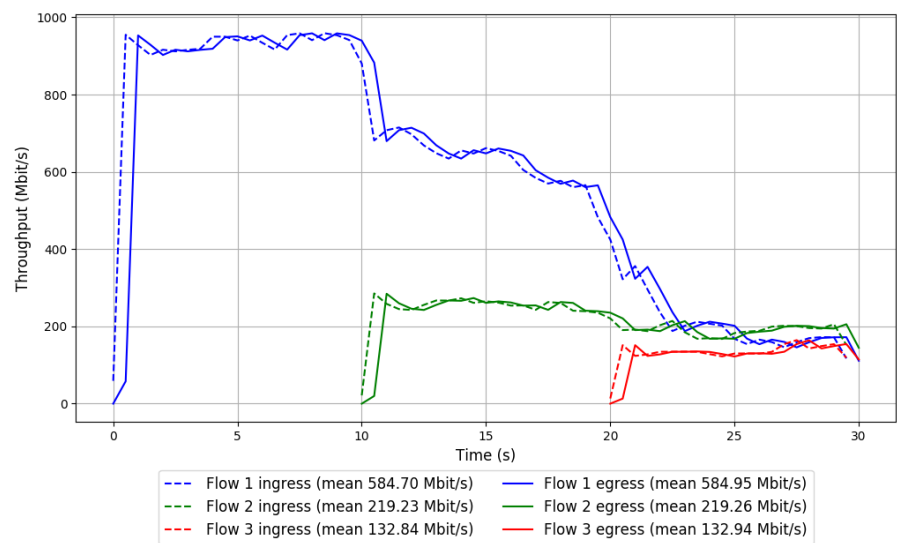


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 19:00:14
End at: 2018-08-22 19:00:44
Local clock offset: 0.61 ms
Remote clock offset: -1.126 ms

# Below is generated by plot.py at 2018-08-23 01:12:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.09 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 584.95 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 219.26 Mbit/s
95th percentile per-packet one-way delay: 2.675 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 132.94 Mbit/s
95th percentile per-packet one-way delay: 1.908 ms
Loss rate: 0.18%
```

Run 1: Report of PCC-Allegro — Data Link

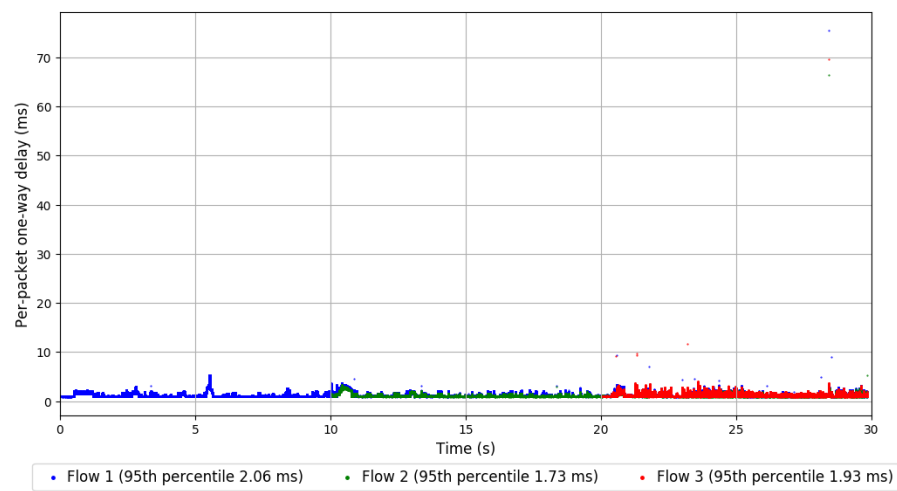
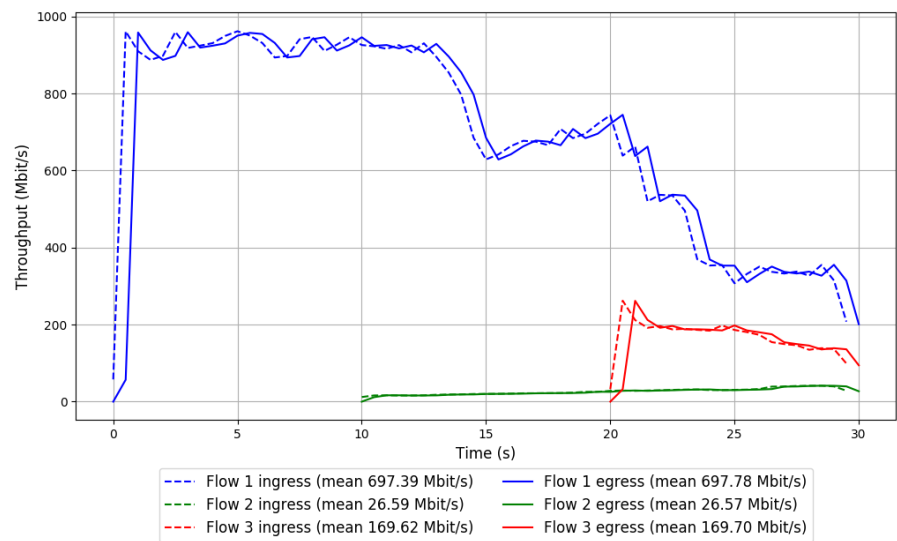


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 19:27:06
End at: 2018-08-22 19:27:36
Local clock offset: 0.482 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-08-23 01:13:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 771.12 Mbit/s
95th percentile per-packet one-way delay: 2.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 697.78 Mbit/s
95th percentile per-packet one-way delay: 2.064 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 1.734 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 169.70 Mbit/s
95th percentile per-packet one-way delay: 1.928 ms
Loss rate: 0.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 19:54:00

End at: 2018-08-22 19:54:30

Local clock offset: 0.921 ms

Remote clock offset: 3.75 ms

Below is generated by plot.py at 2018-08-23 01:16:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 852.03 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 574.16 Mbit/s

95th percentile per-packet one-way delay: 2.916 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 323.23 Mbit/s

95th percentile per-packet one-way delay: 3.131 ms

Loss rate: 0.05%

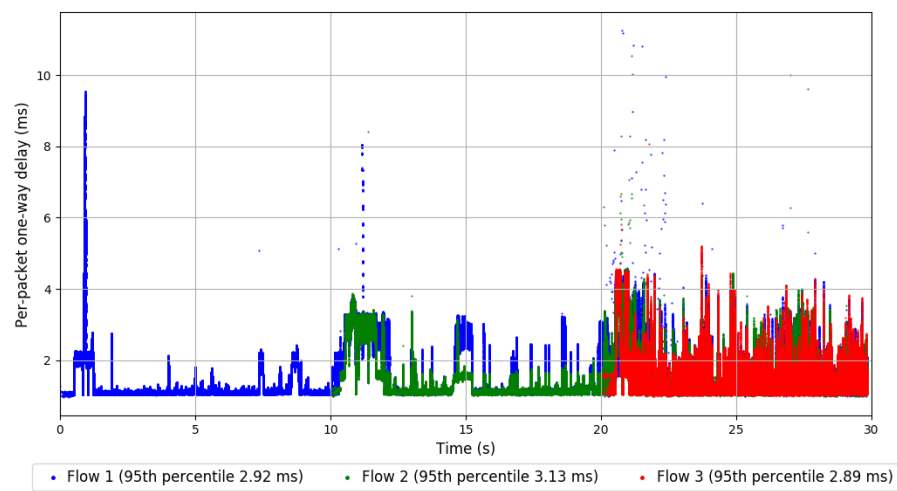
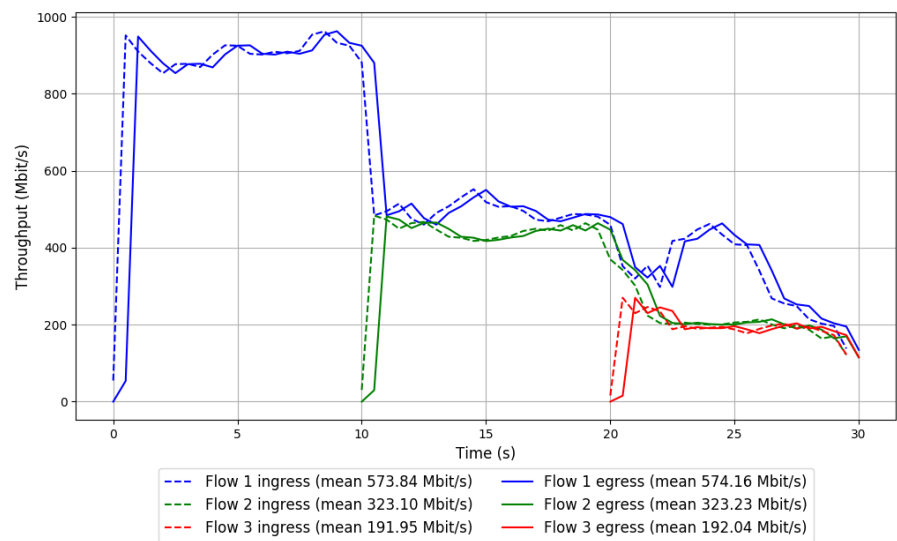
-- Flow 3:

Average throughput: 192.04 Mbit/s

95th percentile per-packet one-way delay: 2.886 ms

Loss rate: 0.19%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 20:20:50

End at: 2018-08-22 20:21:20

Local clock offset: -2.585 ms

Remote clock offset: 3.363 ms

Below is generated by plot.py at 2018-08-23 01:16:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 814.80 Mbit/s

95th percentile per-packet one-way delay: 2.230 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 574.76 Mbit/s

95th percentile per-packet one-way delay: 2.164 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 307.51 Mbit/s

95th percentile per-packet one-way delay: 2.405 ms

Loss rate: 0.11%

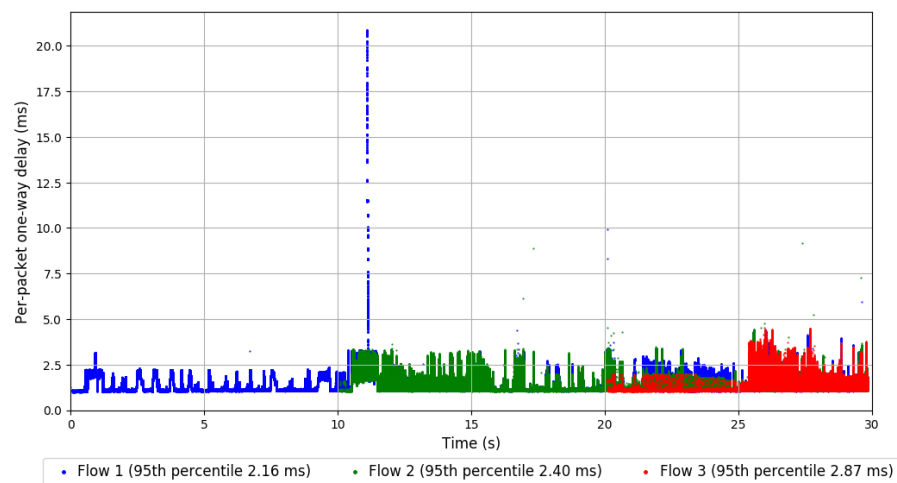
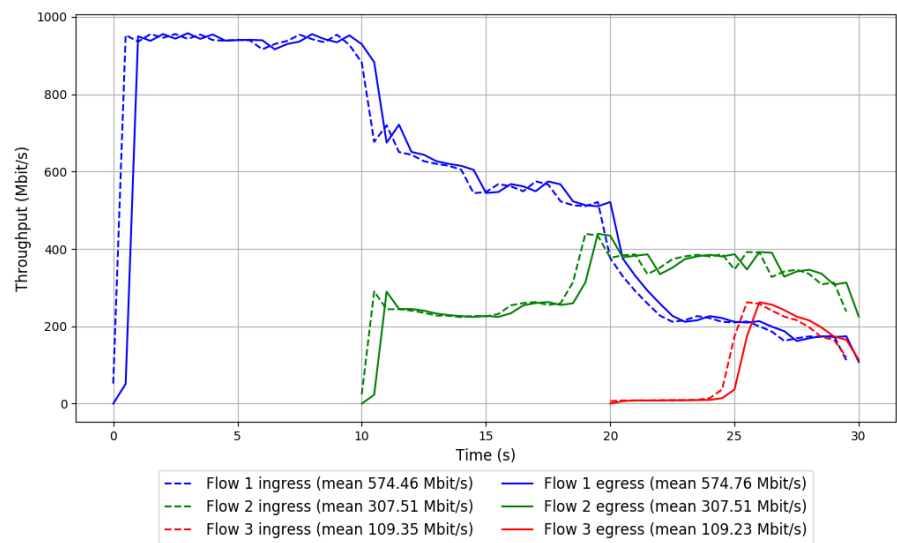
-- Flow 3:

Average throughput: 109.23 Mbit/s

95th percentile per-packet one-way delay: 2.868 ms

Loss rate: 0.34%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 20:47:45

End at: 2018-08-22 20:48:15

Local clock offset: -4.642 ms

Remote clock offset: 3.08 ms

Below is generated by plot.py at 2018-08-23 01:16:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 815.50 Mbit/s

95th percentile per-packet one-way delay: 2.101 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 635.03 Mbit/s

95th percentile per-packet one-way delay: 2.068 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 173.56 Mbit/s

95th percentile per-packet one-way delay: 2.265 ms

Loss rate: 0.12%

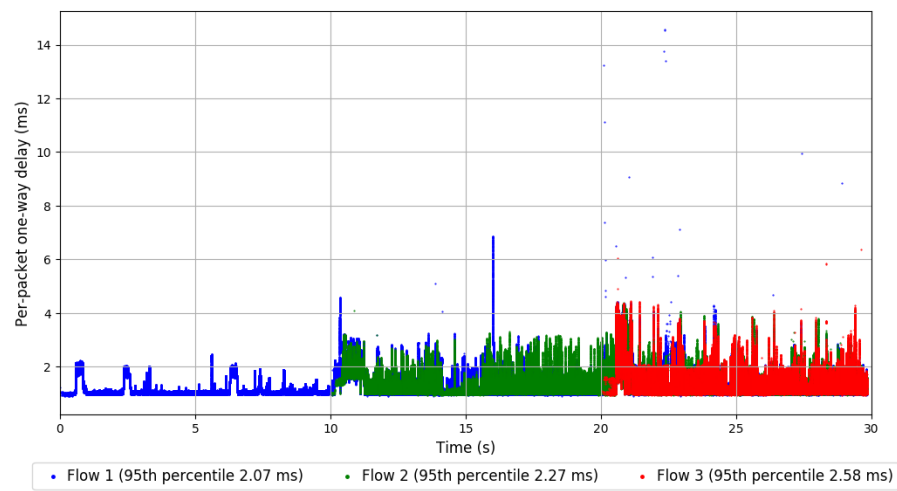
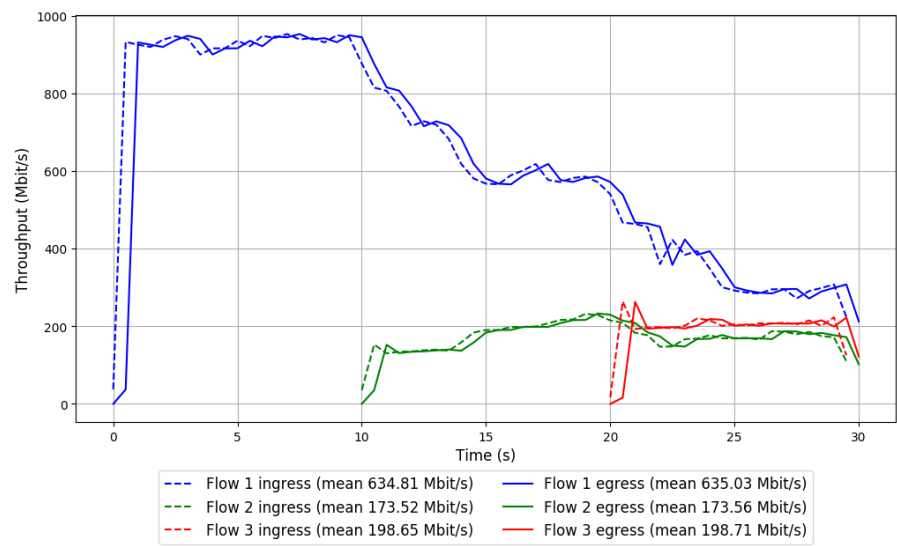
-- Flow 3:

Average throughput: 198.71 Mbit/s

95th percentile per-packet one-way delay: 2.583 ms

Loss rate: 0.16%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 21:14:32

End at: 2018-08-22 21:15:02

Local clock offset: -3.776 ms

Remote clock offset: 2.928 ms

Below is generated by plot.py at 2018-08-23 01:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 818.00 Mbit/s

95th percentile per-packet one-way delay: 1.898 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 673.64 Mbit/s

95th percentile per-packet one-way delay: 1.893 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 122.27 Mbit/s

95th percentile per-packet one-way delay: 1.730 ms

Loss rate: 0.13%

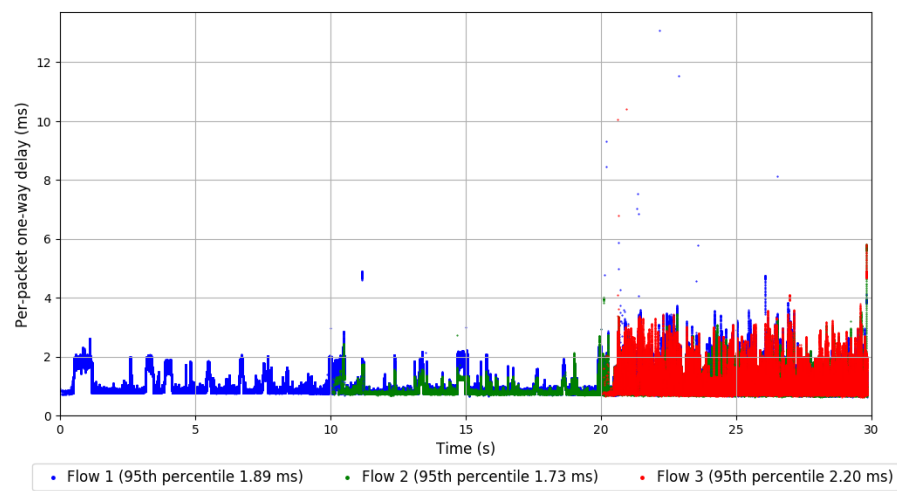
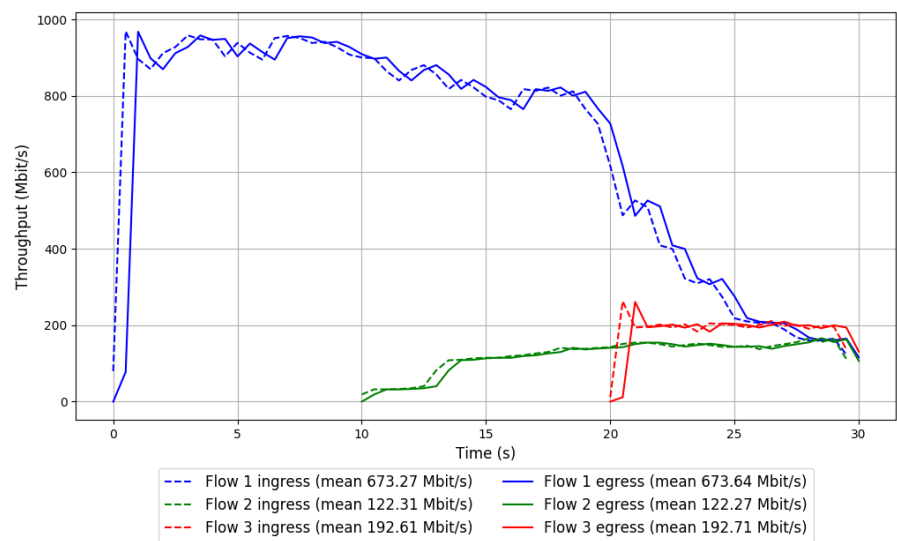
-- Flow 3:

Average throughput: 192.71 Mbit/s

95th percentile per-packet one-way delay: 2.204 ms

Loss rate: 0.21%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 21:41:25

End at: 2018-08-22 21:41:55

Local clock offset: -2.427 ms

Remote clock offset: 2.616 ms

Below is generated by plot.py at 2018-08-23 01:18:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 809.05 Mbit/s

95th percentile per-packet one-way delay: 2.692 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 586.08 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 274.93 Mbit/s

95th percentile per-packet one-way delay: 2.692 ms

Loss rate: 0.08%

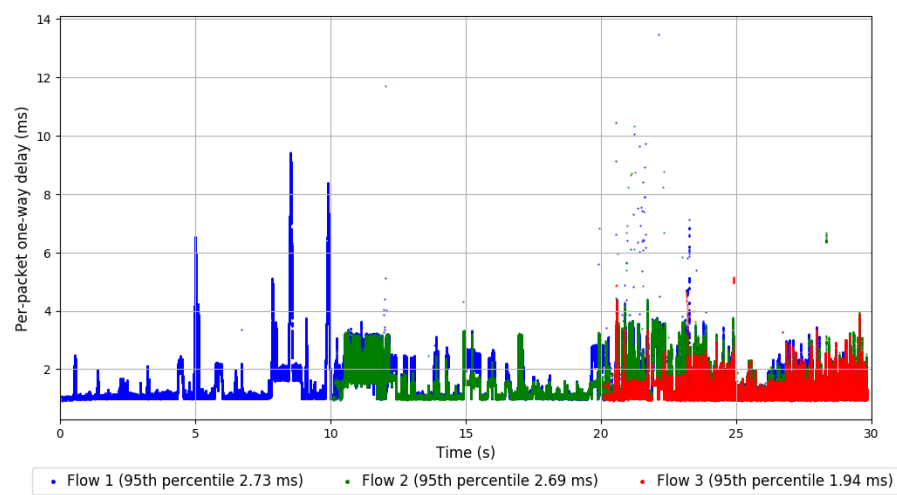
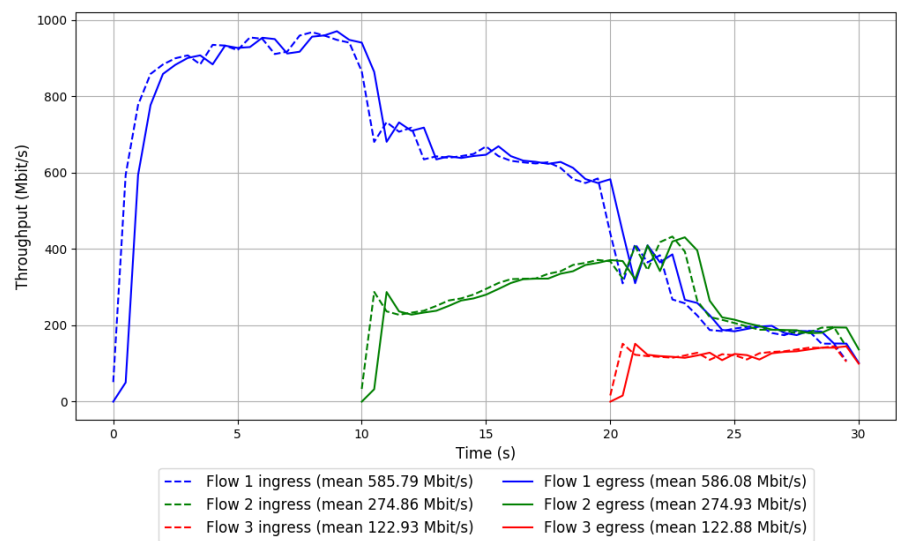
-- Flow 3:

Average throughput: 122.88 Mbit/s

95th percentile per-packet one-way delay: 1.936 ms

Loss rate: 0.24%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

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

End at: 2018-08-22 22:08:50

Local clock offset: -1.993 ms

Remote clock offset: 2.775 ms

Below is generated by plot.py at 2018-08-23 01:18:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 821.54 Mbit/s

95th percentile per-packet one-way delay: 1.998 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 692.91 Mbit/s

95th percentile per-packet one-way delay: 2.022 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 172.56 Mbit/s

95th percentile per-packet one-way delay: 1.814 ms

Loss rate: 0.11%

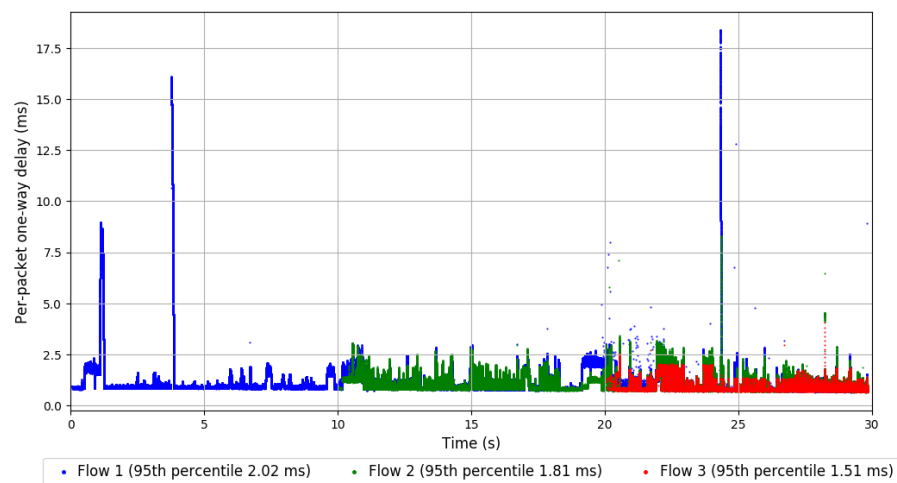
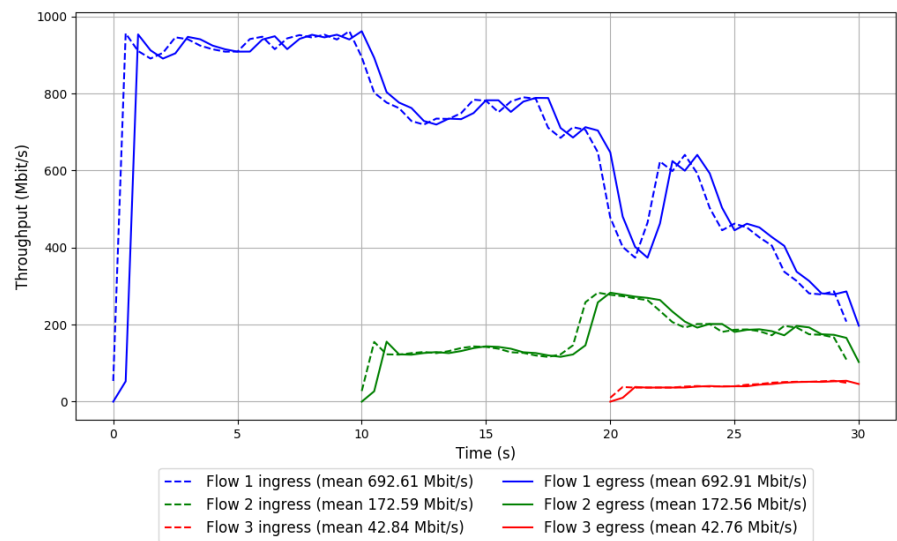
-- Flow 3:

Average throughput: 42.76 Mbit/s

95th percentile per-packet one-way delay: 1.512 ms

Loss rate: 0.39%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 22:35:10

End at: 2018-08-22 22:35:40

Local clock offset: 1.429 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-08-23 01:22:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 750.28 Mbit/s

95th percentile per-packet one-way delay: 2.040 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 635.98 Mbit/s

95th percentile per-packet one-way delay: 2.056 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 1.637 ms

Loss rate: 0.15%

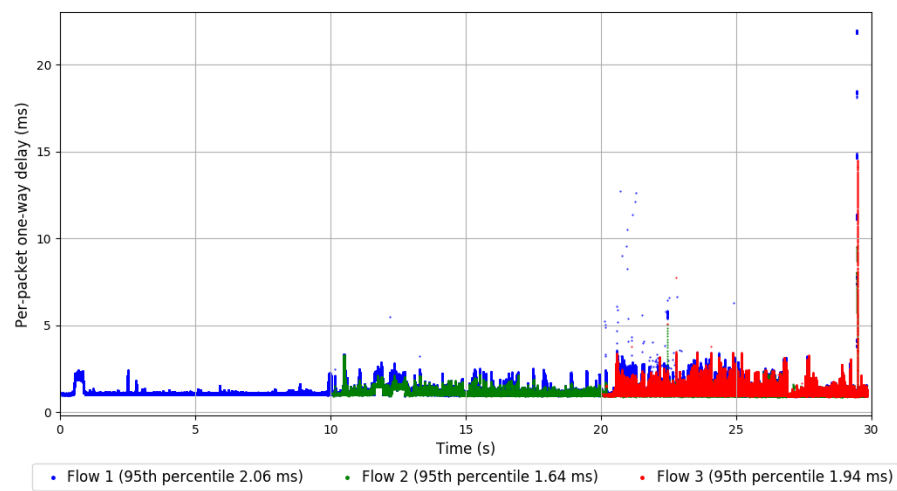
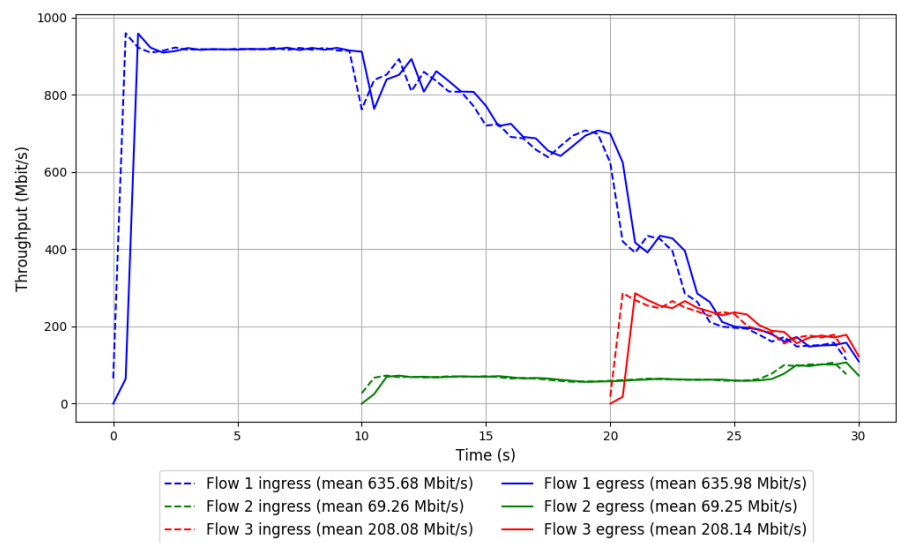
-- Flow 3:

Average throughput: 208.14 Mbit/s

95th percentile per-packet one-way delay: 1.937 ms

Loss rate: 0.17%

Run 9: Report of PCC-Allegro — Data Link

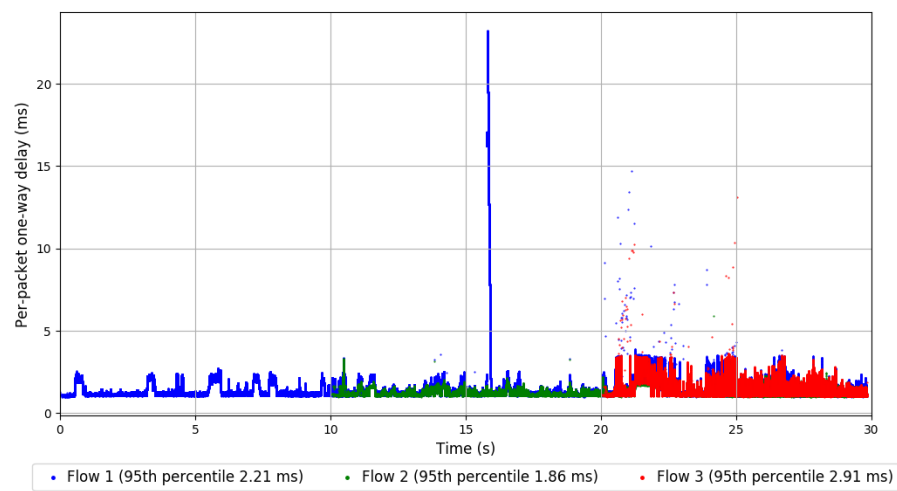
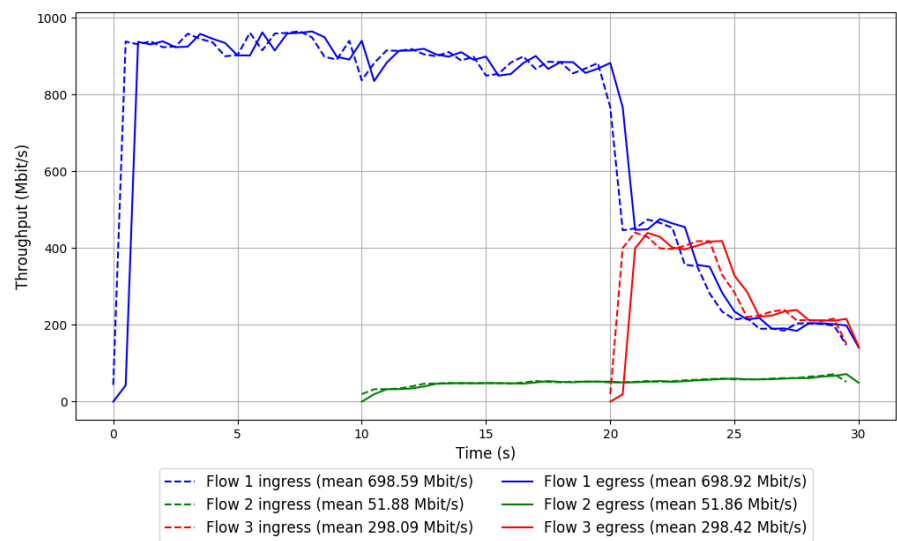


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 23:02:03
End at: 2018-08-22 23:02:33
Local clock offset: 0.805 ms
Remote clock offset: -0.806 ms

Below is generated by plot.py at 2018-08-23 01:23:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 831.47 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 698.92 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 1.858 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 298.42 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.14%

Run 10: Report of PCC-Allegro — Data Link

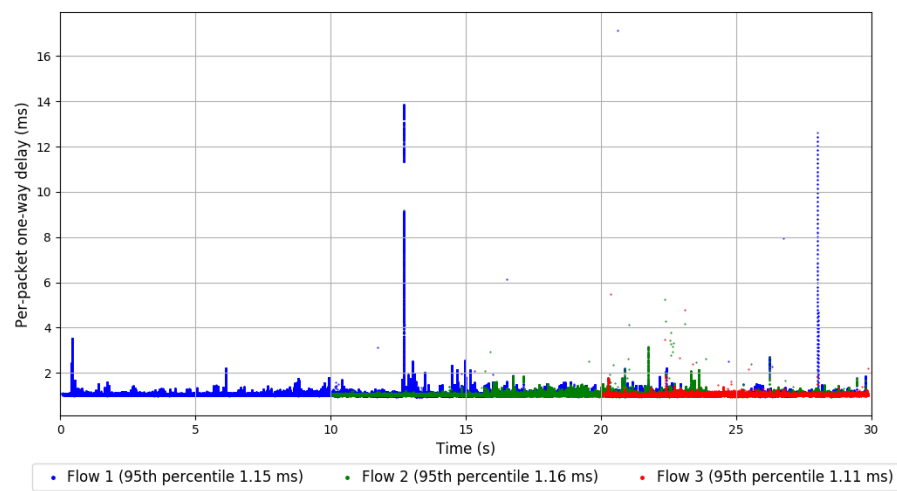
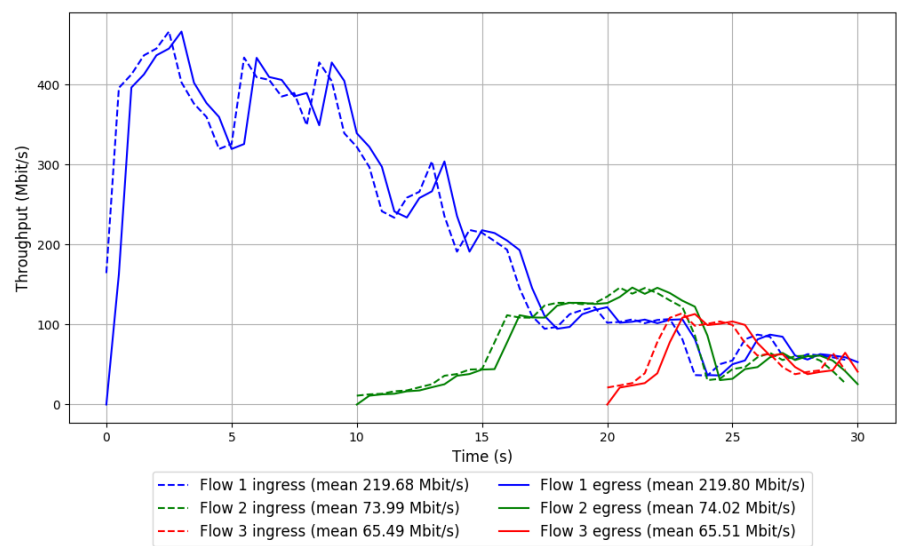


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 19:25:30
End at: 2018-08-22 19:26:00
Local clock offset: 0.557 ms
Remote clock offset: -0.345 ms

# Below is generated by plot.py at 2018-08-23 01:23:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.56 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 219.80 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.15%
```


Run 1: Report of PCC-Expr — Data Link

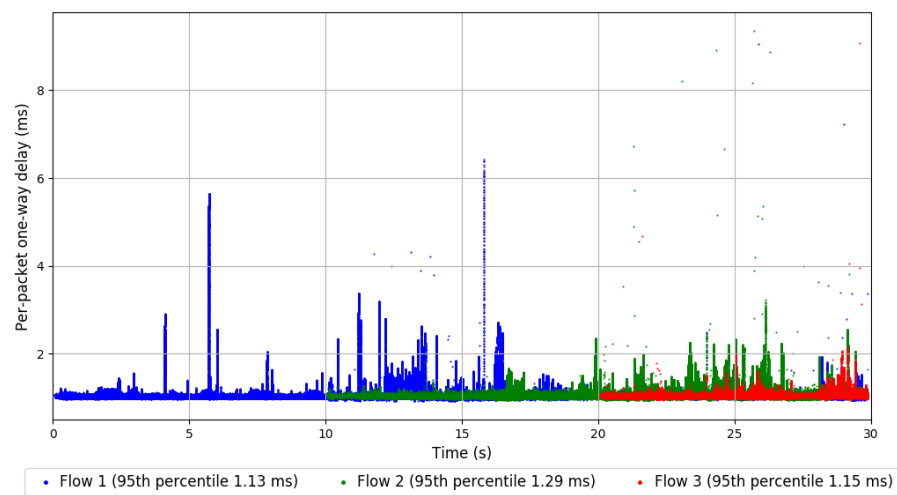
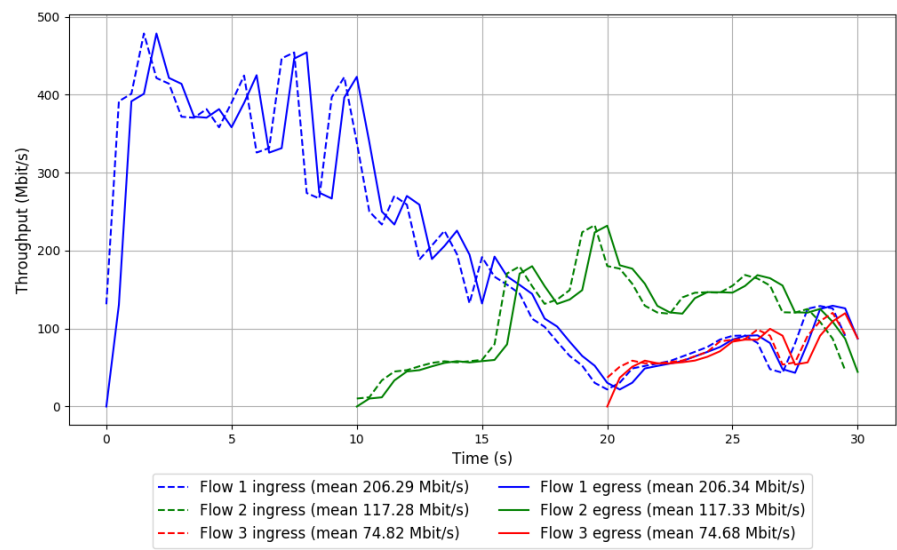


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 19:52:23
End at: 2018-08-22 19:52:53
Local clock offset: 0.886 ms
Remote clock offset: 3.675 ms

# Below is generated by plot.py at 2018-08-23 01:23:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.97 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 206.34 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 117.33 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.38%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 20:19:13

End at: 2018-08-22 20:19:43

Local clock offset: -2.257 ms

Remote clock offset: 3.338 ms

Below is generated by plot.py at 2018-08-23 01:23:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.37 Mbit/s

95th percentile per-packet one-way delay: 1.423 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 202.53 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 130.30 Mbit/s

95th percentile per-packet one-way delay: 1.567 ms

Loss rate: 0.08%

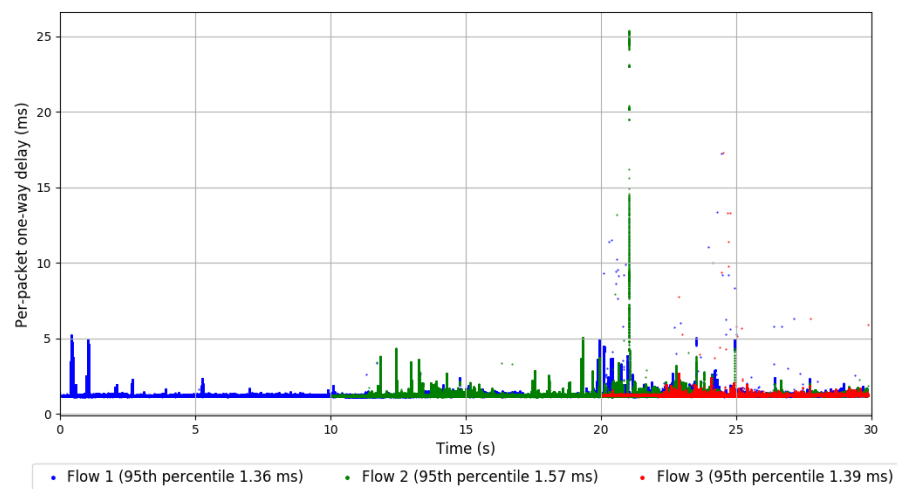
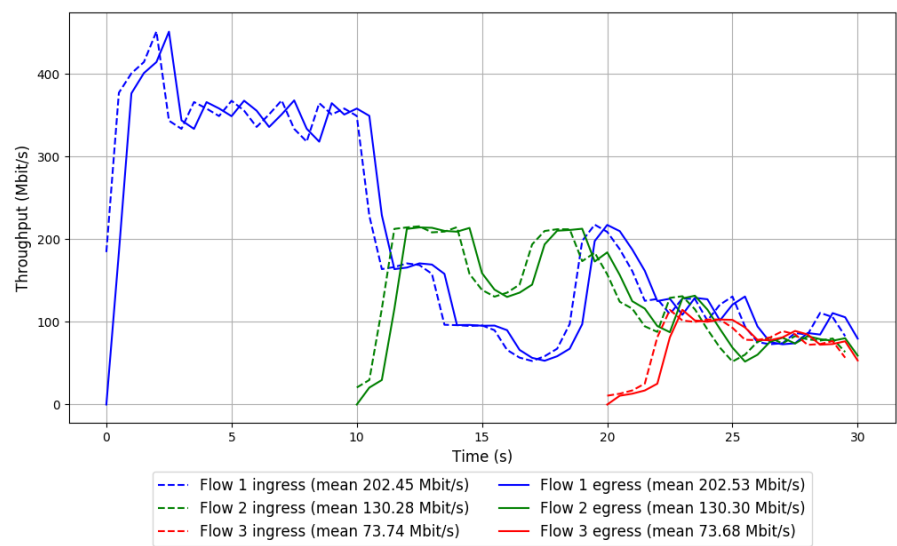
-- Flow 3:

Average throughput: 73.68 Mbit/s

95th percentile per-packet one-way delay: 1.391 ms

Loss rate: 0.24%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 20:46:07

End at: 2018-08-22 20:46:37

Local clock offset: -4.459 ms

Remote clock offset: 3.066 ms

Below is generated by plot.py at 2018-08-23 01:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.36 Mbit/s

95th percentile per-packet one-way delay: 1.317 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 196.51 Mbit/s

95th percentile per-packet one-way delay: 1.344 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 145.03 Mbit/s

95th percentile per-packet one-way delay: 1.311 ms

Loss rate: 0.04%

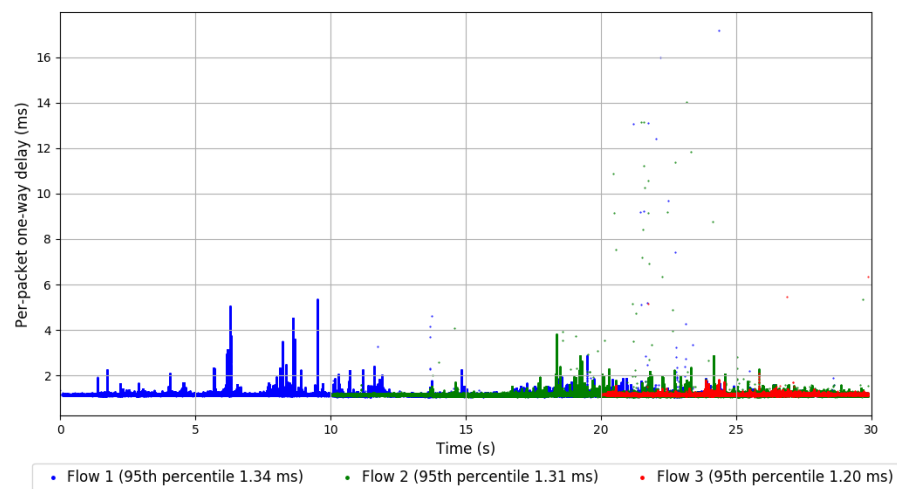
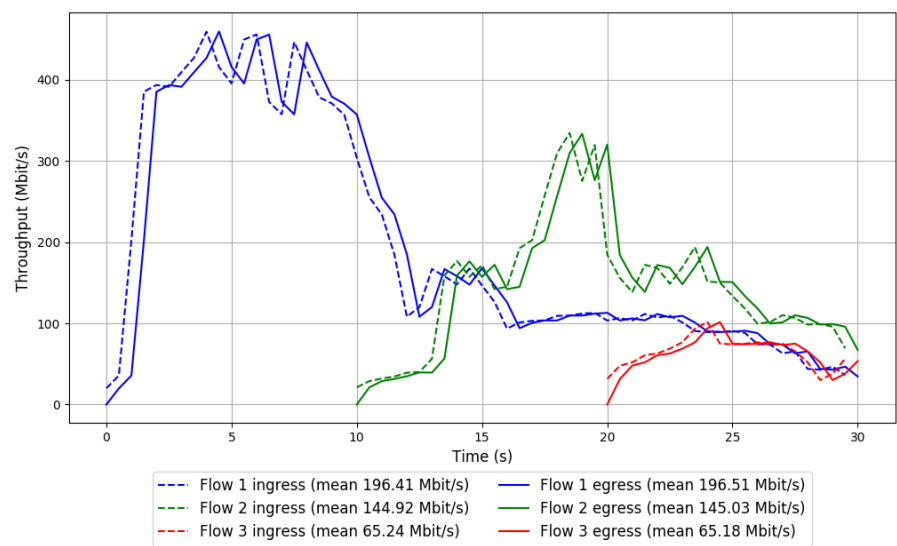
-- Flow 3:

Average throughput: 65.18 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.24%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 21:12:55

End at: 2018-08-22 21:13:25

Local clock offset: -4.053 ms

Remote clock offset: 2.932 ms

Below is generated by plot.py at 2018-08-23 01:25:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.62 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 228.20 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 0.885 ms

Loss rate: 0.06%

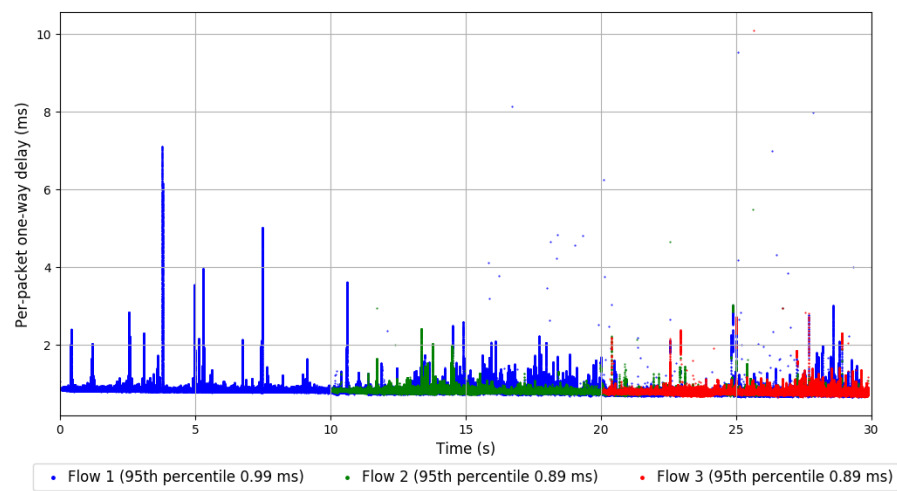
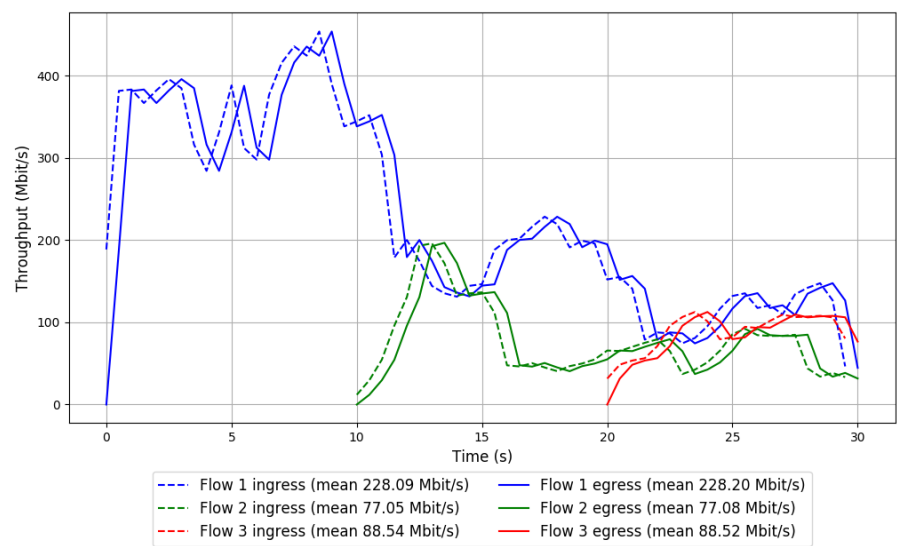
-- Flow 3:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 0.891 ms

Loss rate: 0.22%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 21:39:50

End at: 2018-08-22 21:40:20

Local clock offset: -2.401 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-08-23 01:25:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.69 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 201.75 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 77.62 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.09%

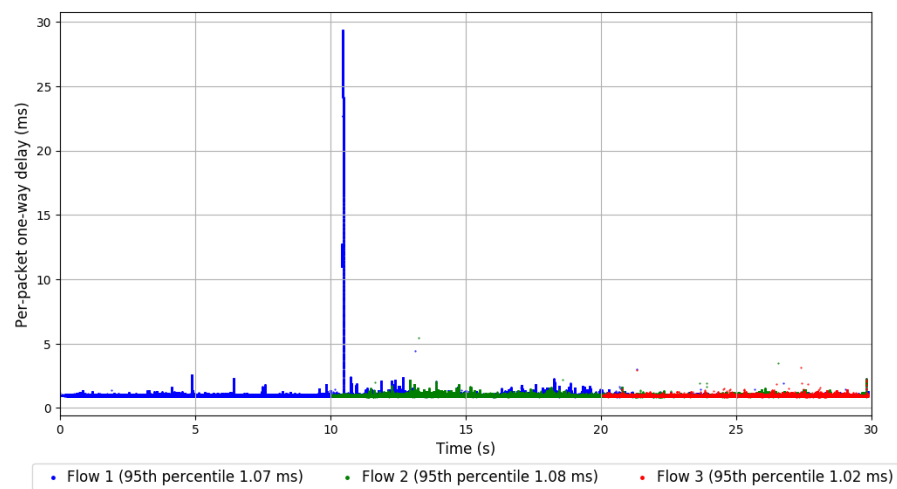
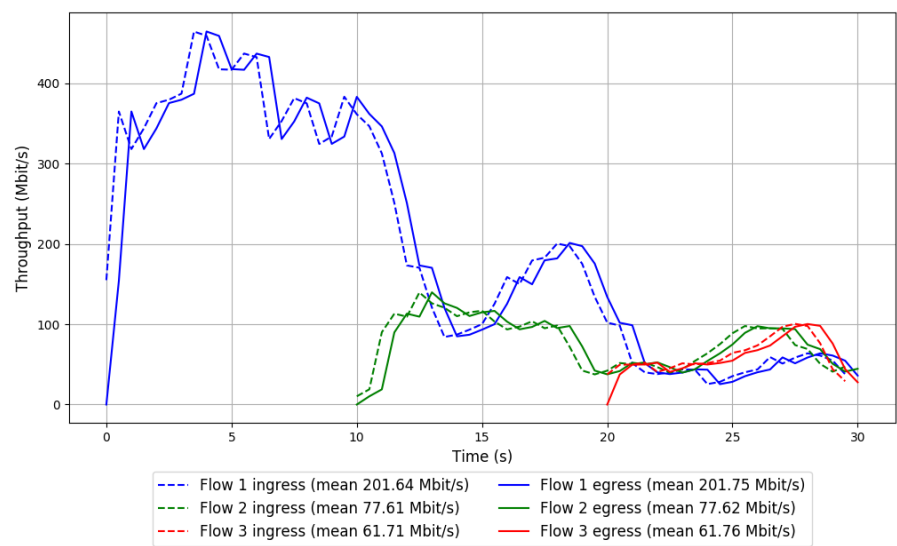
-- Flow 3:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.13%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 22:06:44

End at: 2018-08-22 22:07:14

Local clock offset: -2.403 ms

Remote clock offset: 2.762 ms

Below is generated by plot.py at 2018-08-23 01:28:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.80 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 193.47 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 114.62 Mbit/s

95th percentile per-packet one-way delay: 0.986 ms

Loss rate: 0.04%

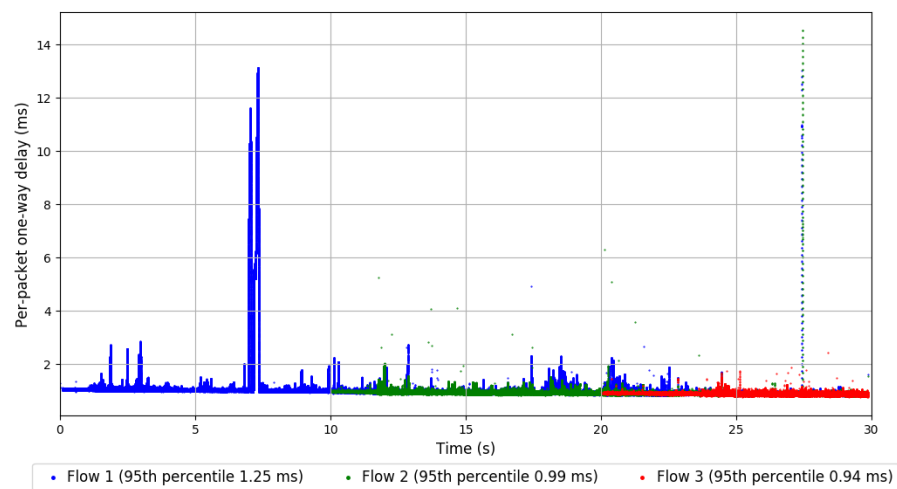
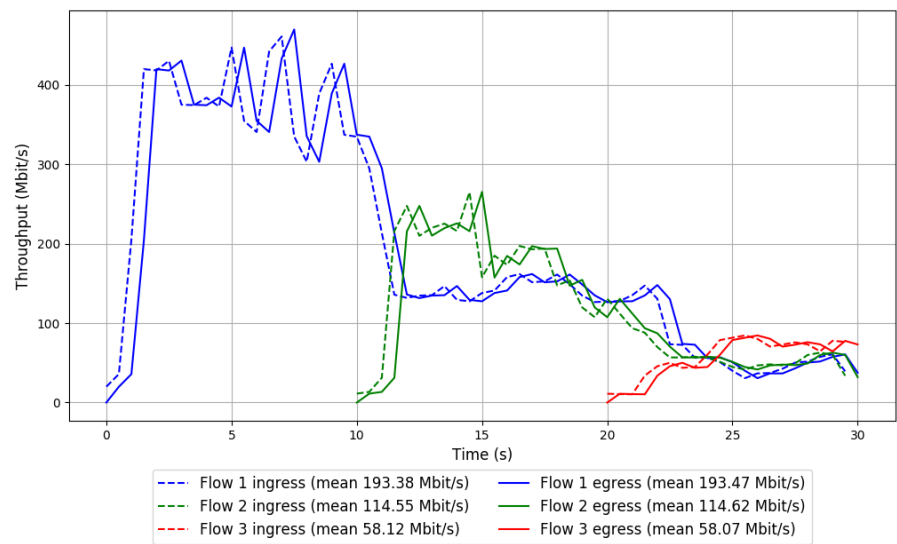
-- Flow 3:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 0.940 ms

Loss rate: 0.30%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 22:33:34

End at: 2018-08-22 22:34:04

Local clock offset: 1.231 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-23 01:28:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.38 Mbit/s

95th percentile per-packet one-way delay: 1.021 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 184.80 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 104.01 Mbit/s

95th percentile per-packet one-way delay: 0.983 ms

Loss rate: 0.04%

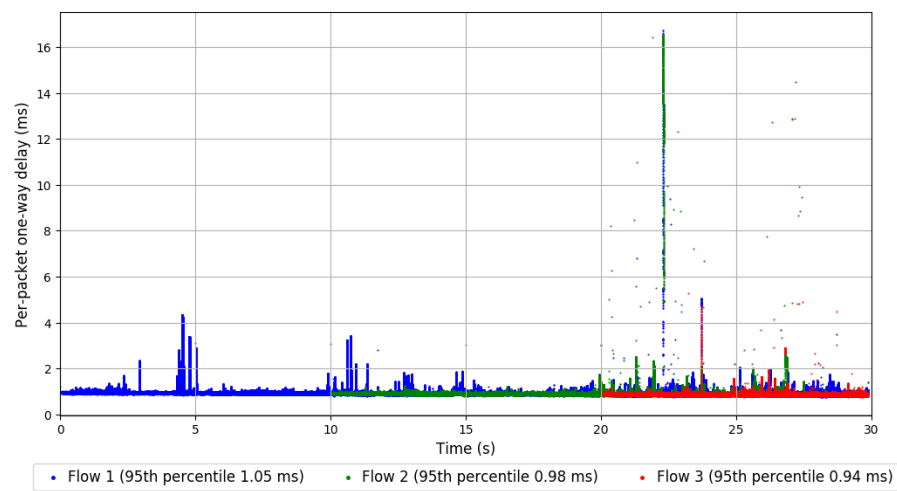
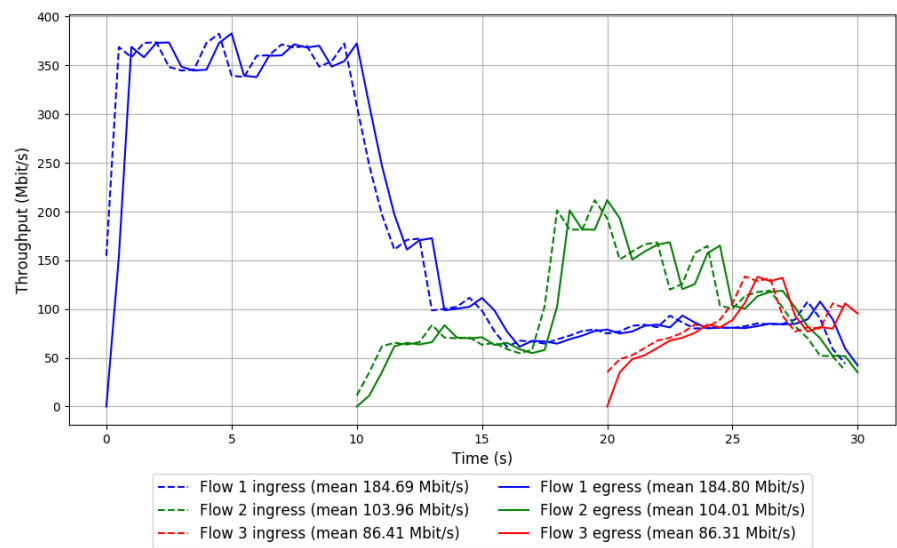
-- Flow 3:

Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.32%

Run 8: Report of PCC-Expr — Data Link

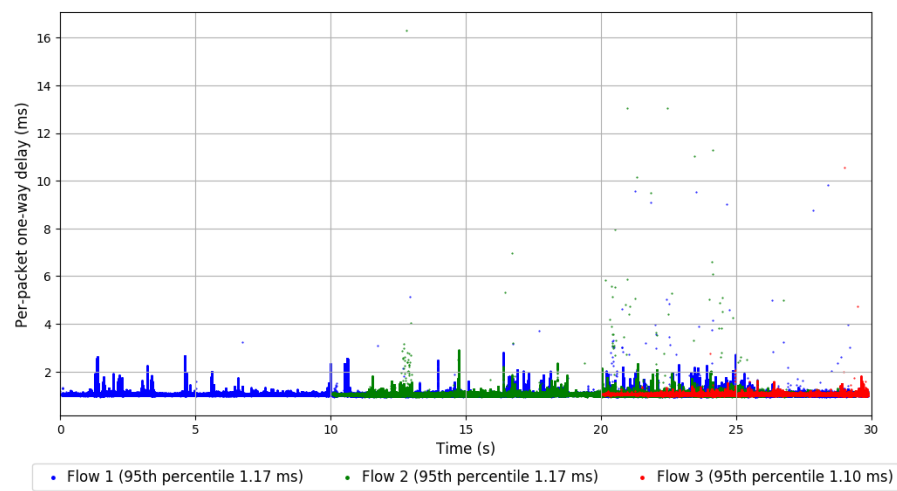
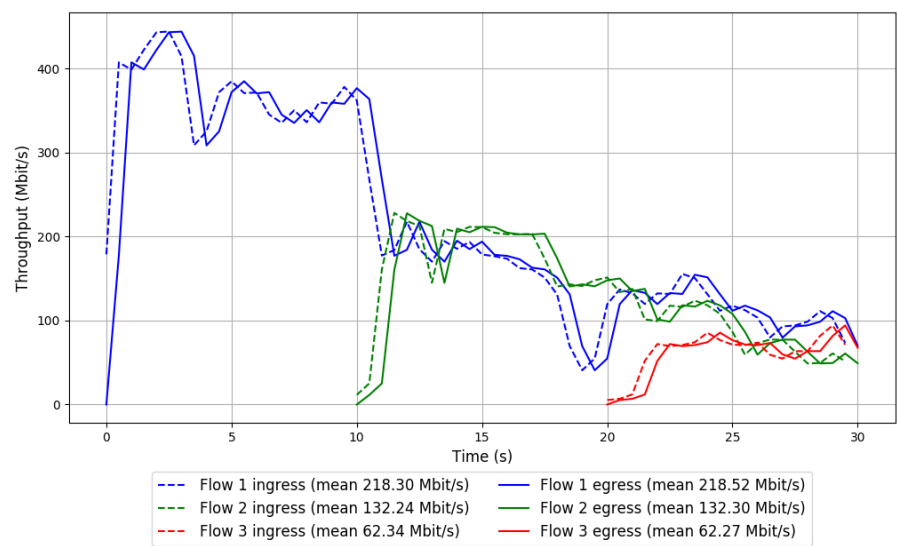


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 23:00:24
End at: 2018-08-22 23:00:54
Local clock offset: 0.805 ms
Remote clock offset: -0.821 ms

Below is generated by plot.py at 2018-08-23 01:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.97 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 218.52 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 132.30 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.31%

Run 9: Report of PCC-Expr — Data Link

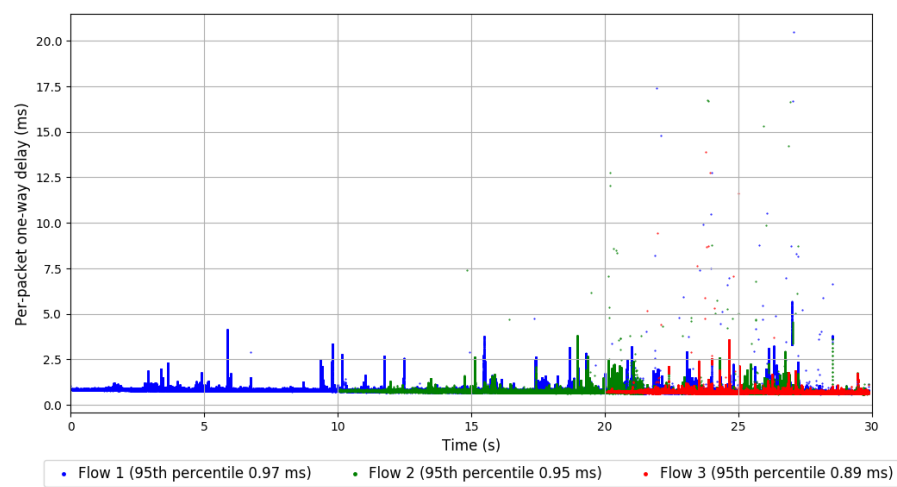
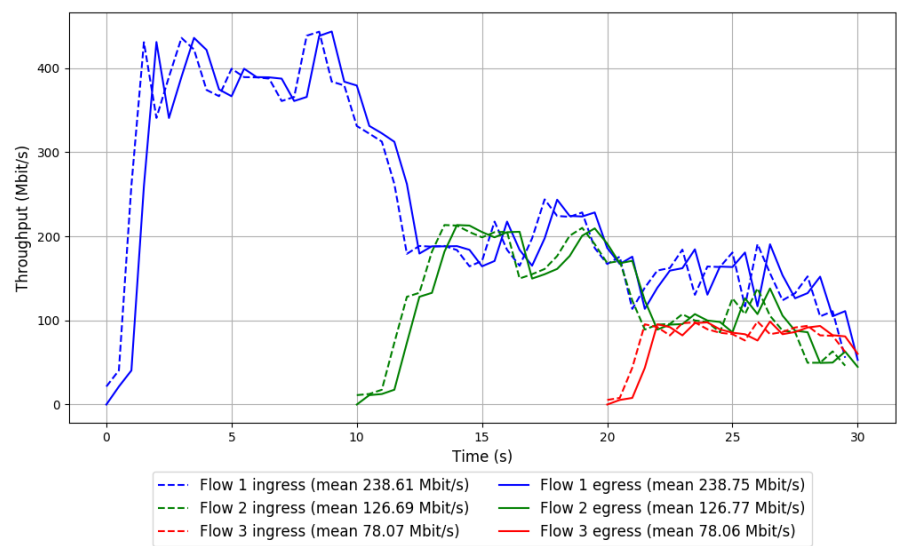


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 23:27:10
End at: 2018-08-22 23:27:40
Local clock offset: 0.545 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.70 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 238.75 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 78.06 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.20%

Run 10: Report of PCC-Expr — Data Link

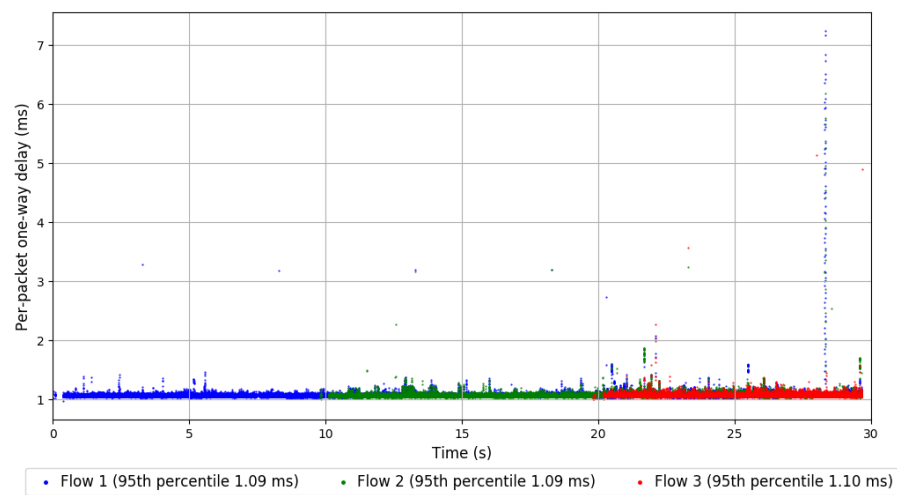
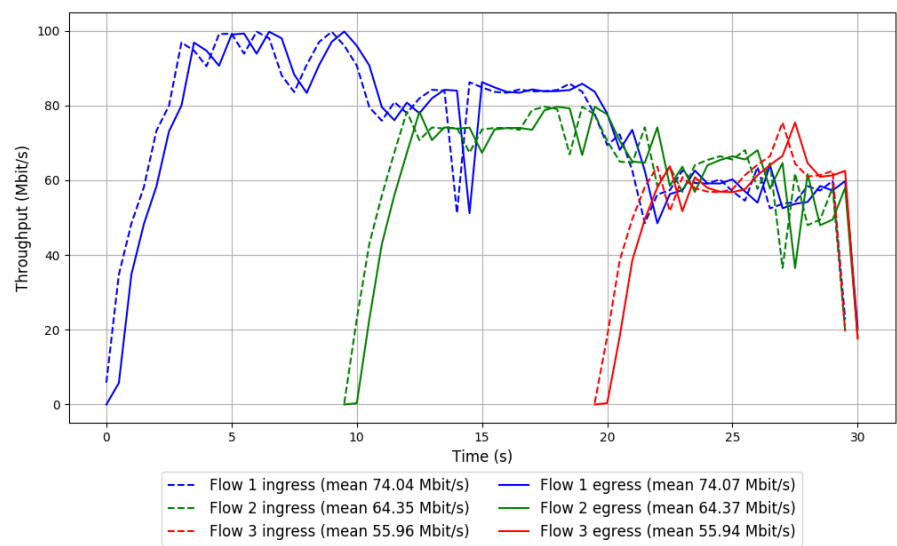


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 19:24:07
End at: 2018-08-22 19:24:37
Local clock offset: 0.544 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.86 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.19%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 19:51:00

End at: 2018-08-22 19:51:30

Local clock offset: 0.782 ms

Remote clock offset: 3.576 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 1.009 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 1.010 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.18 Mbit/s

95th percentile per-packet one-way delay: 1.004 ms

Loss rate: 0.08%

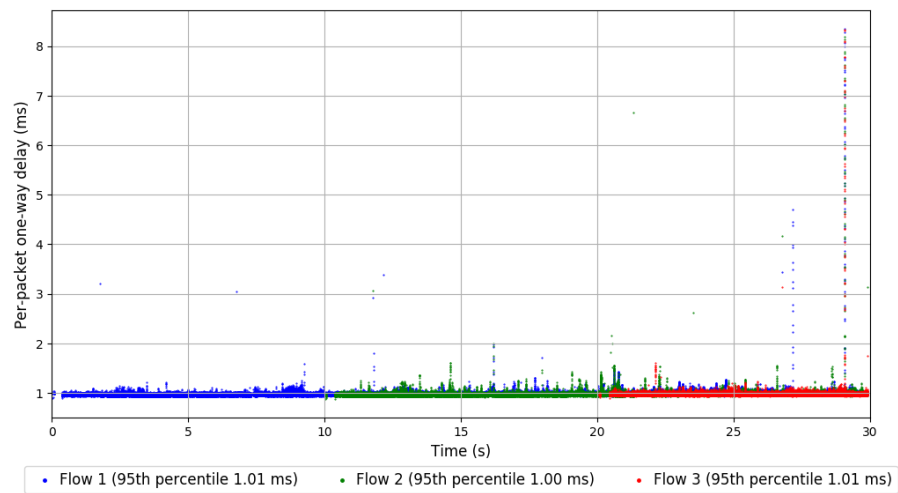
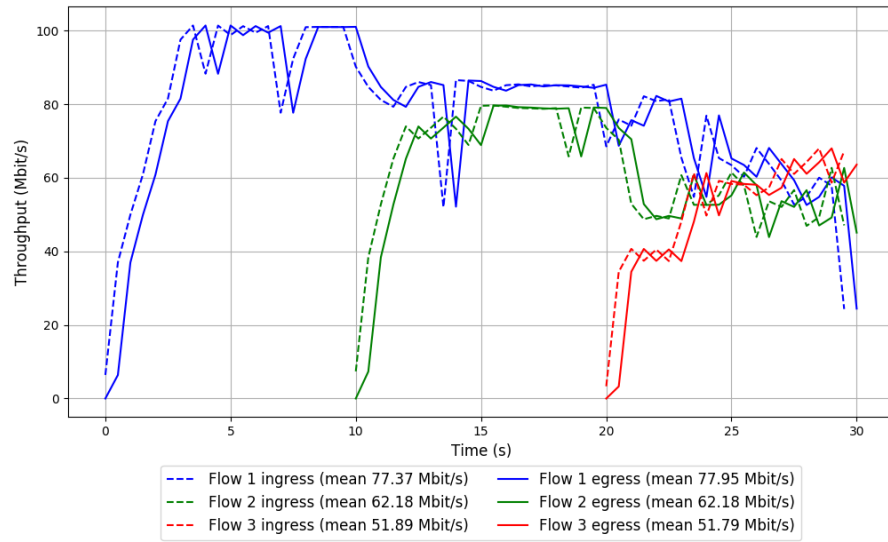
-- Flow 3:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.37%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 20:17:50

End at: 2018-08-22 20:18:20

Local clock offset: -2.087 ms

Remote clock offset: 3.361 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.62 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 67.11 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.09%

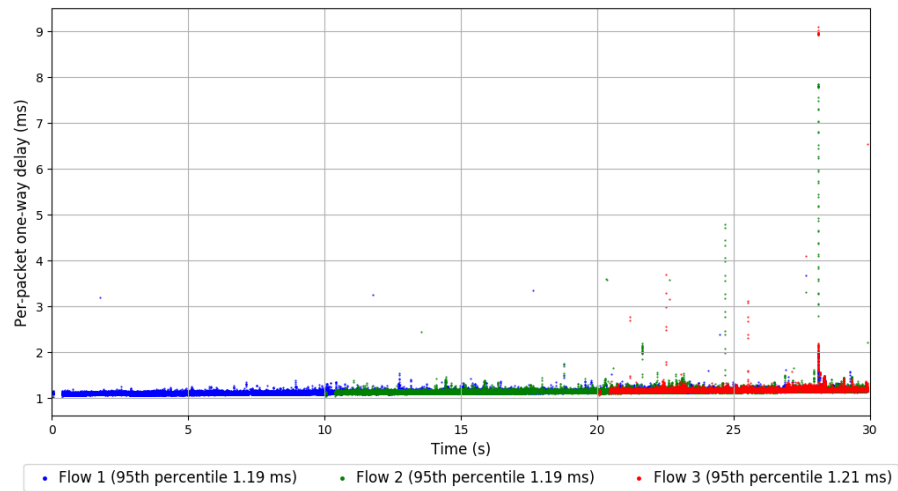
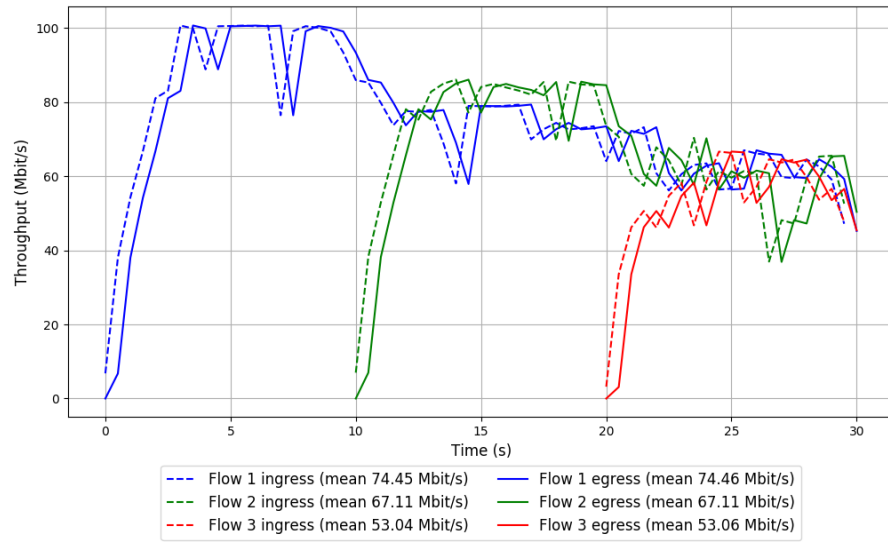
-- Flow 3:

Average throughput: 53.06 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 20:44:45

End at: 2018-08-22 20:45:15

Local clock offset: -4.38 ms

Remote clock offset: 3.159 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.88 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 70.55 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 66.79 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.10%

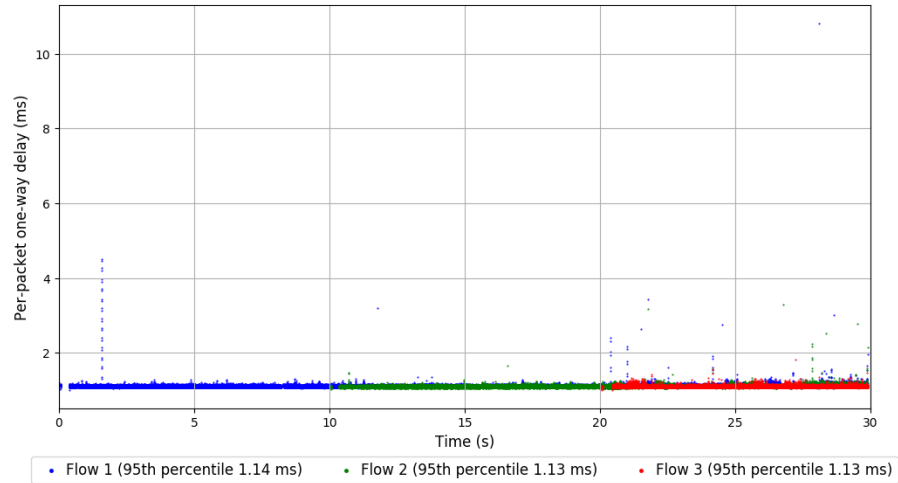
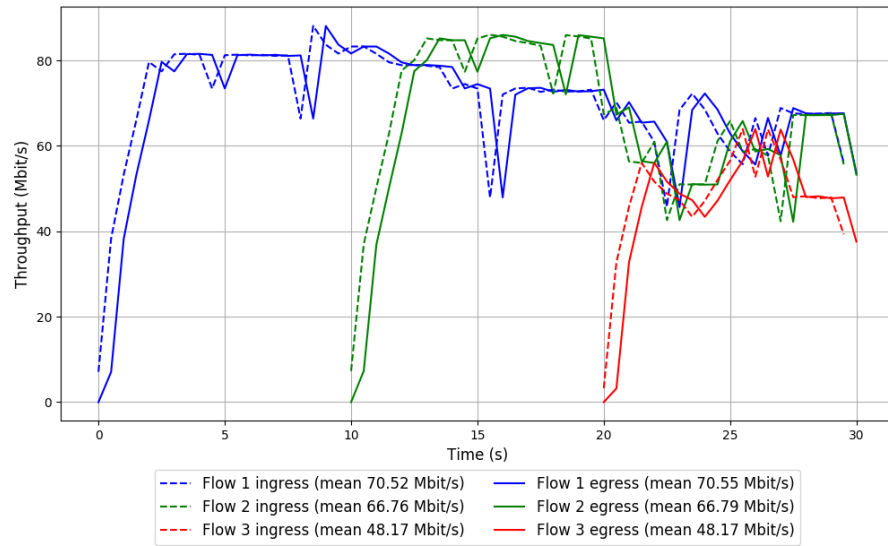
-- Flow 3:

Average throughput: 48.17 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.19%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 21:11:33

End at: 2018-08-22 21:12:03

Local clock offset: -4.32 ms

Remote clock offset: 3.029 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.28 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 0.811 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 0.783 ms

Loss rate: 0.09%

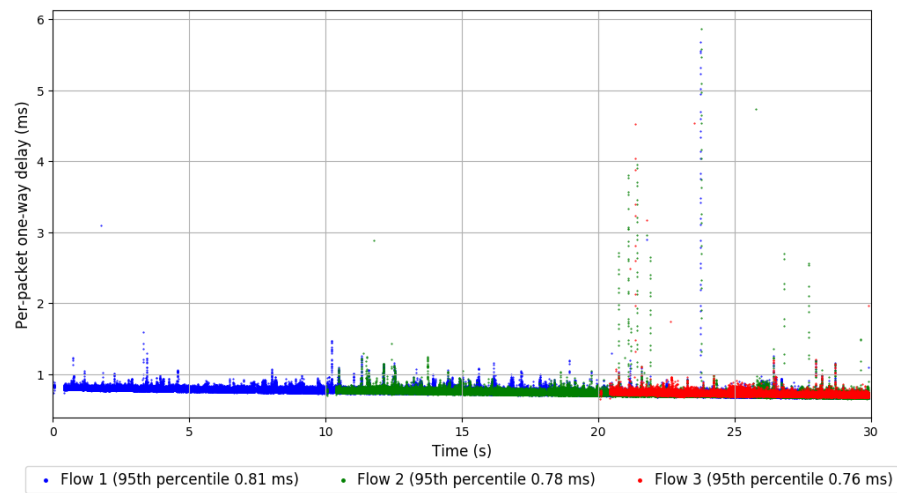
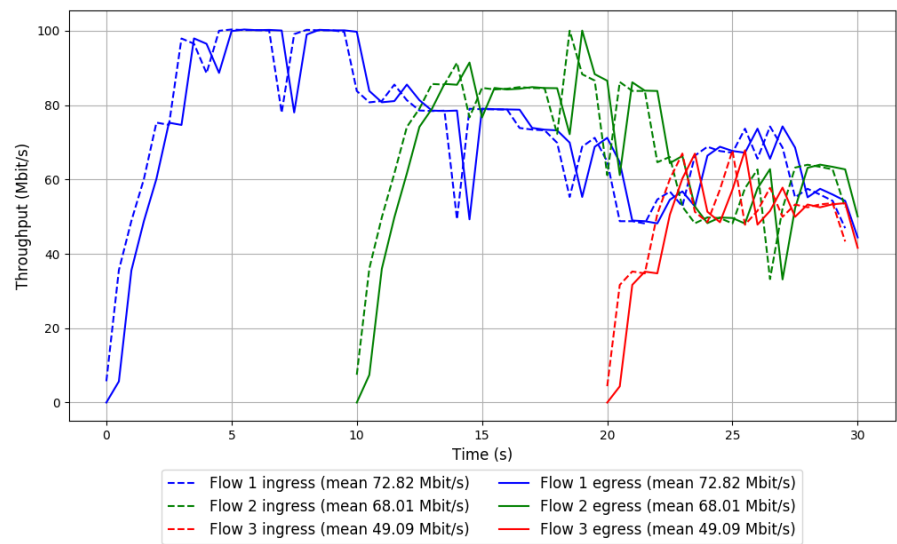
-- Flow 3:

Average throughput: 49.09 Mbit/s

95th percentile per-packet one-way delay: 0.764 ms

Loss rate: 0.18%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 21:38:27

End at: 2018-08-22 21:38:57

Local clock offset: -2.359 ms

Remote clock offset: 2.644 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.83 Mbit/s

95th percentile per-packet one-way delay: 1.052 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 64.66 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.10%

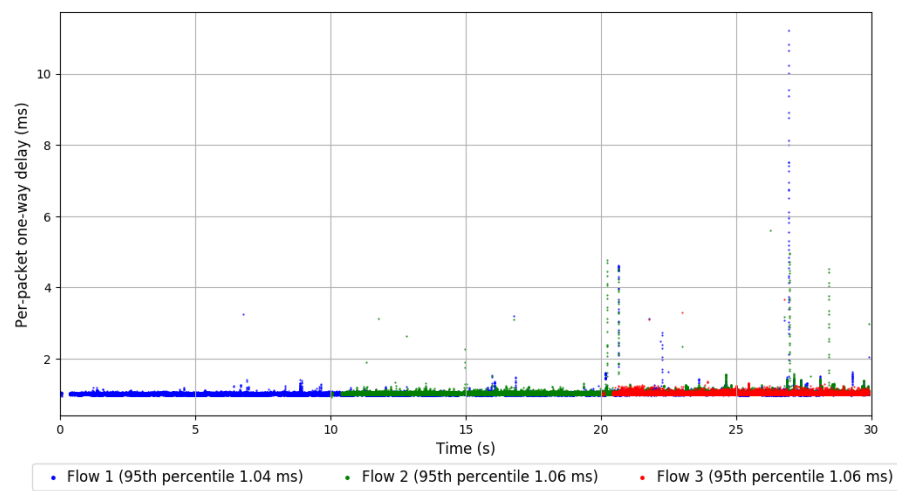
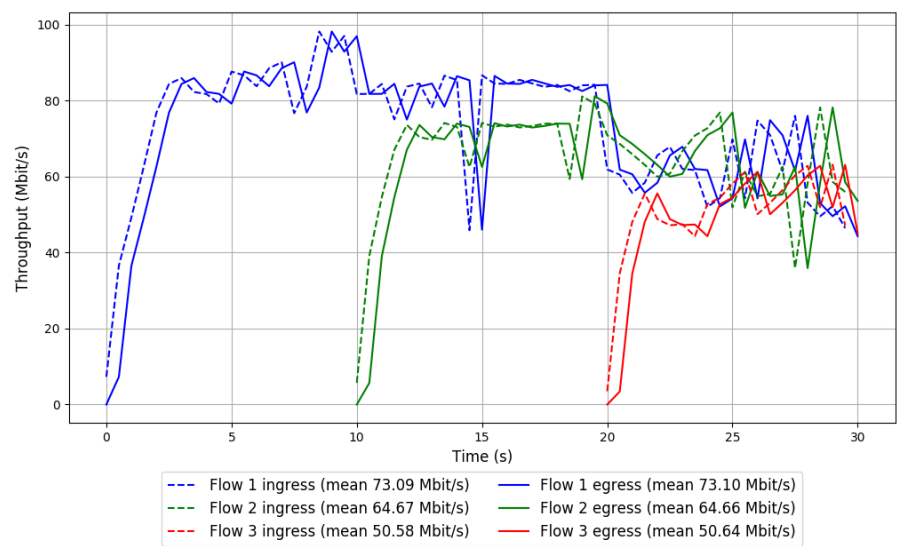
-- Flow 3:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.21%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 22:05:21

End at: 2018-08-22 22:05:51

Local clock offset: -2.388 ms

Remote clock offset: 2.848 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.32 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 70.55 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.08%

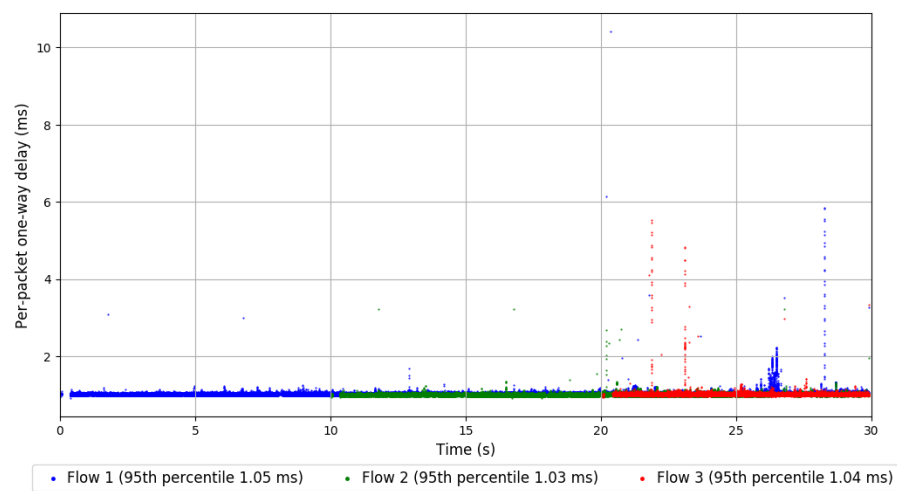
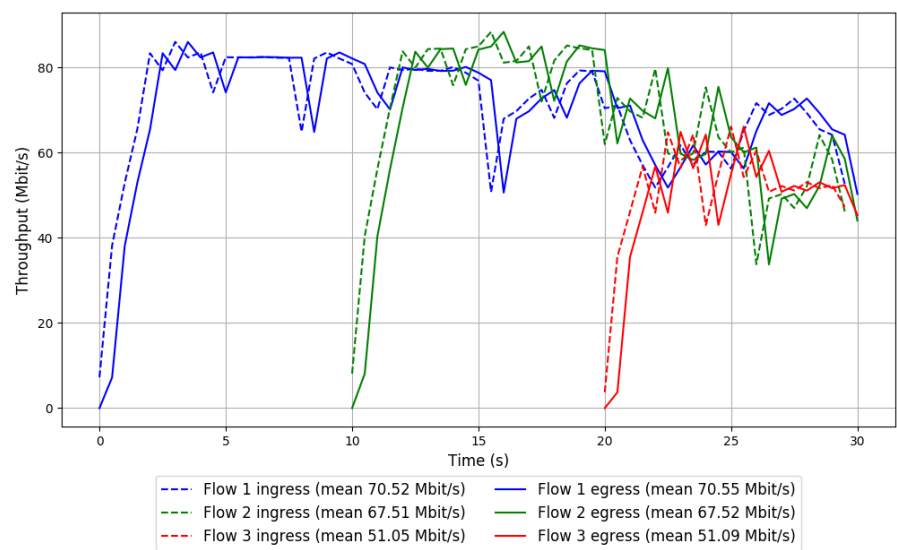
-- Flow 3:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.20%

Run 7: Report of QUIC Cubic — Data Link

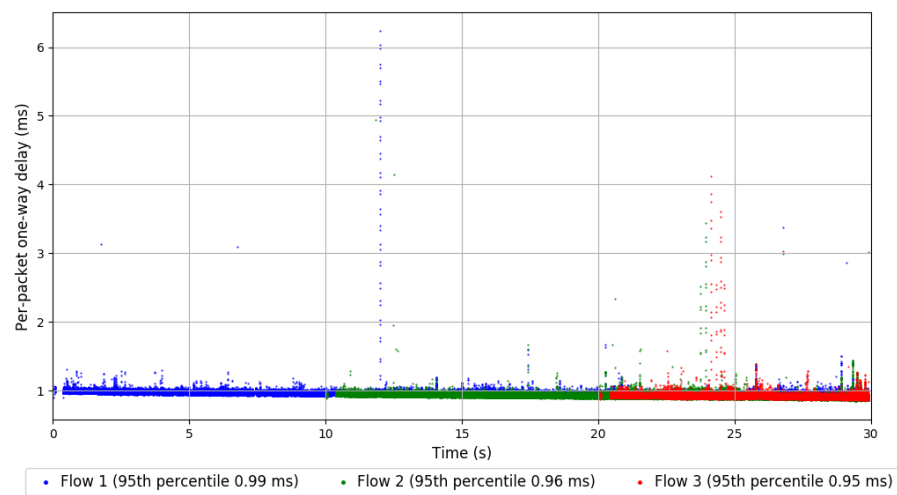
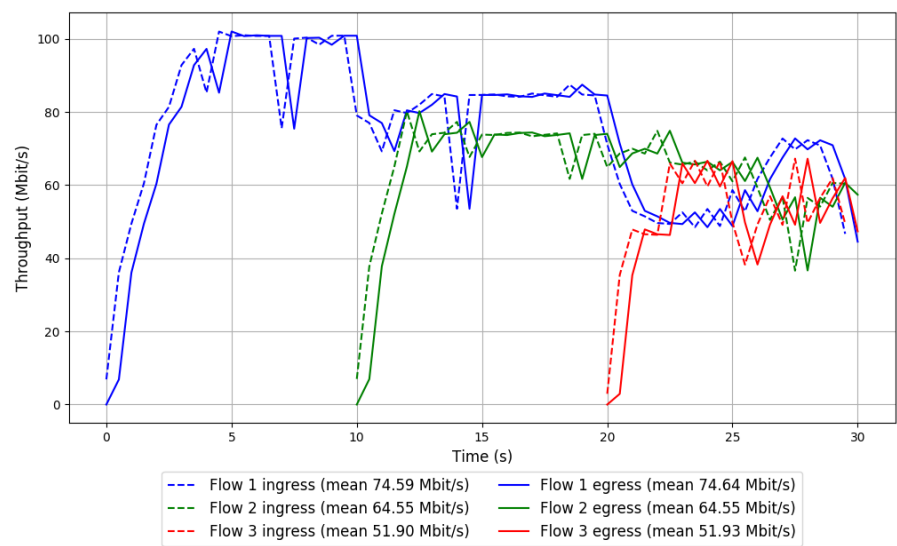


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 22:32:11
End at: 2018-08-22 22:32:41
Local clock offset: 1.243 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.71 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 64.55 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.22%

Run 8: Report of QUIC Cubic — Data Link

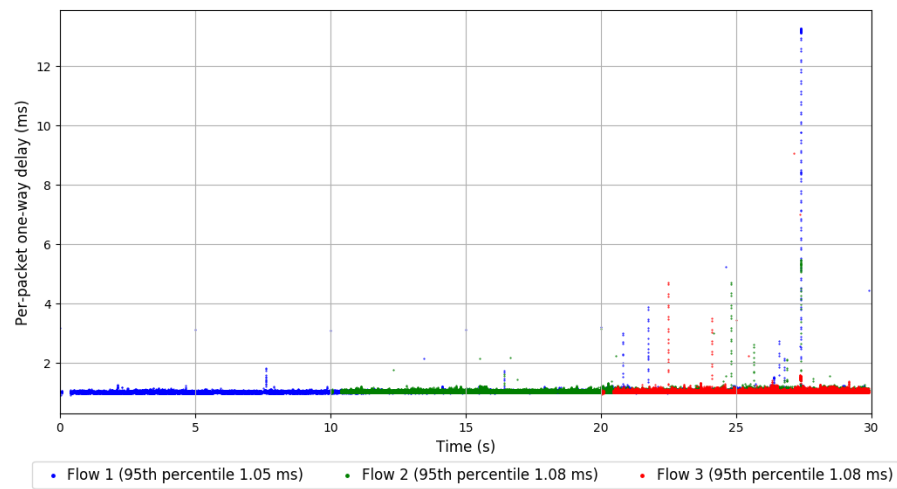
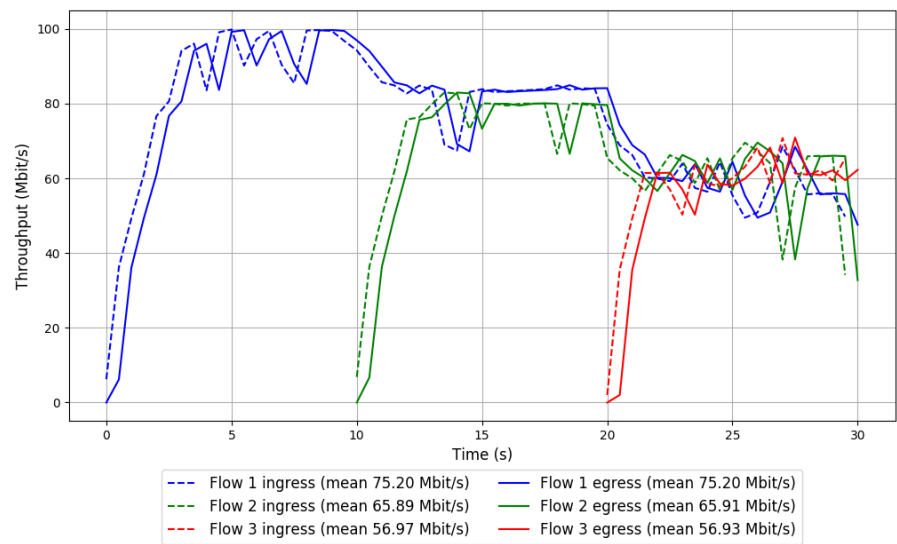


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 22:59:01
End at: 2018-08-22 22:59:31
Local clock offset: 0.702 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.84 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.27%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 23:25:47

End at: 2018-08-22 23:26:17

Local clock offset: 0.531 ms

Remote clock offset: -0.63 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.92 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.19 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 64.62 Mbit/s

95th percentile per-packet one-way delay: 1.025 ms

Loss rate: 0.10%

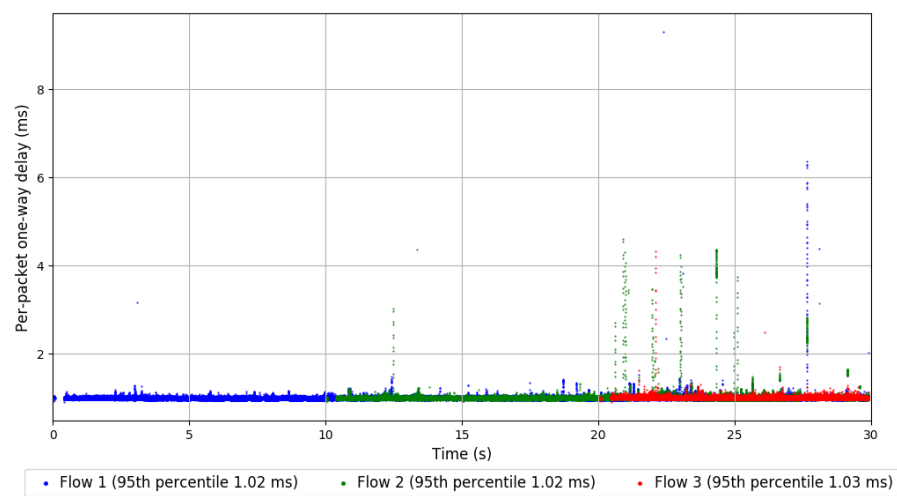
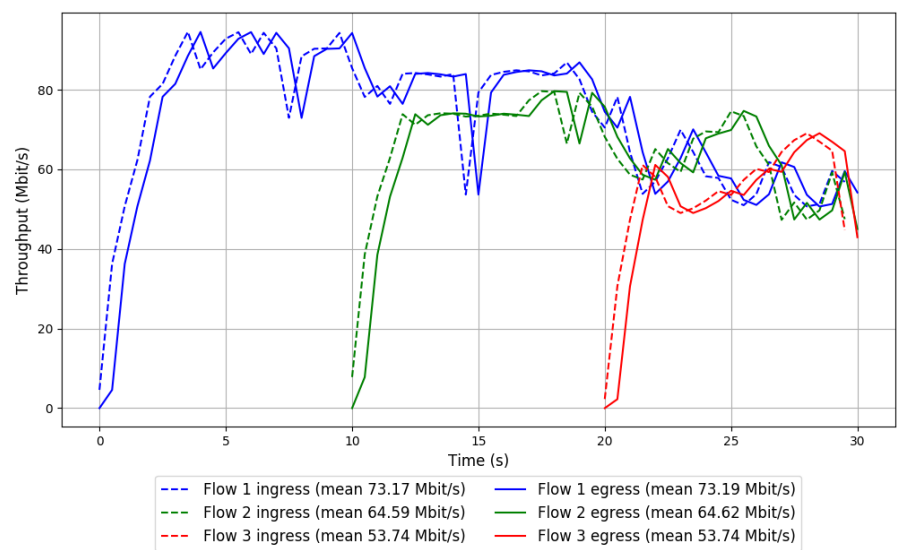
-- Flow 3:

Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.19%

Run 10: Report of QUIC Cubic — Data Link

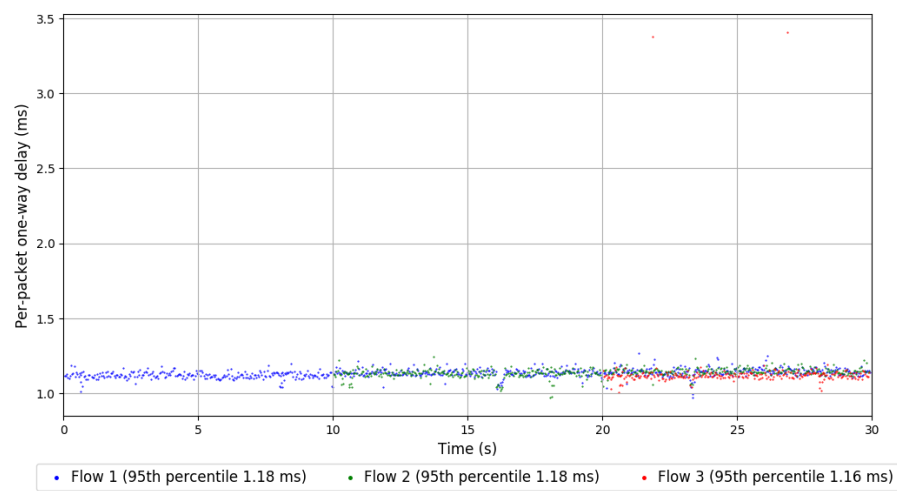
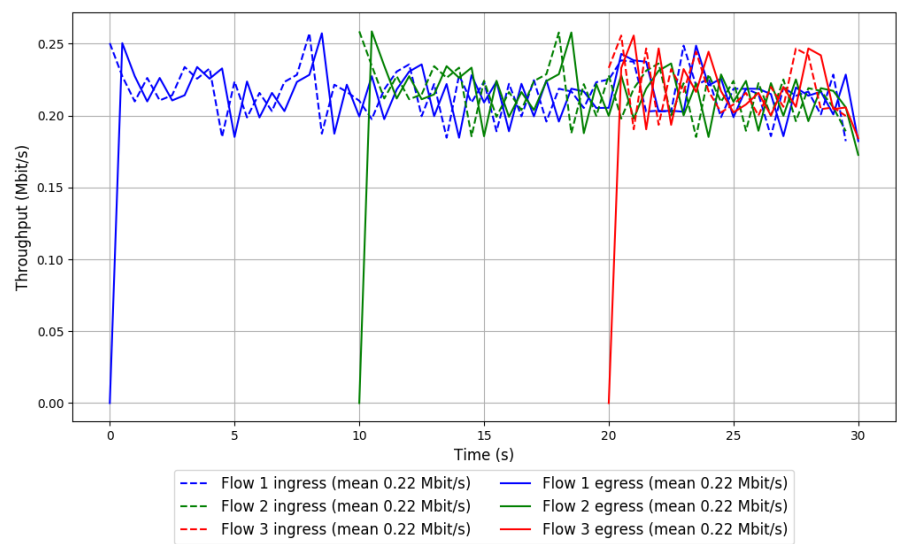


Run 1: Statistics of SReAM

Start at: 2018-08-22 19:01:51
End at: 2018-08-22 19:02:21
Local clock offset: 0.56 ms
Remote clock offset: -1.003 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

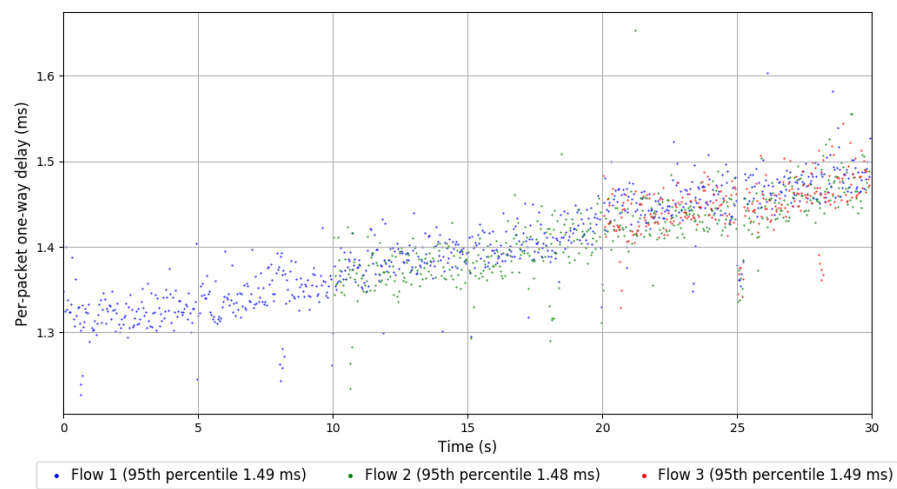
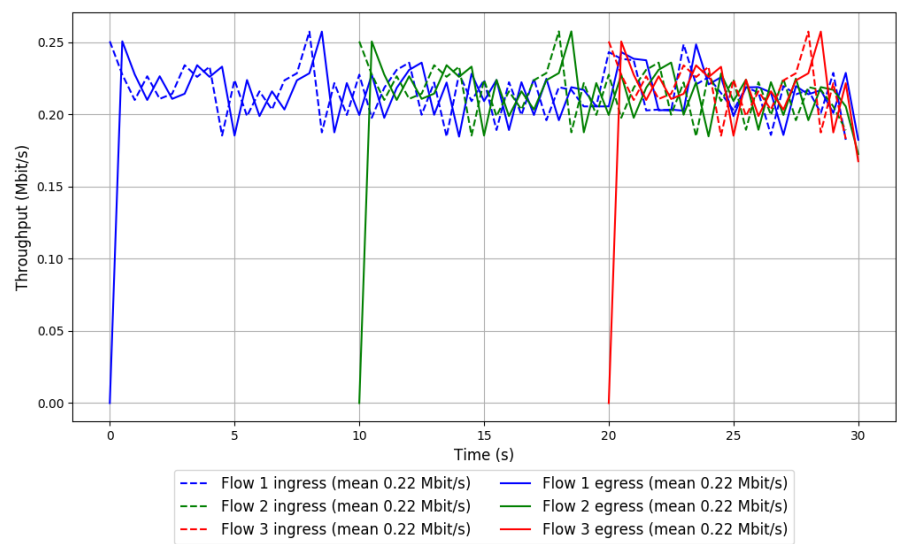


Run 2: Statistics of SReAM

Start at: 2018-08-22 19:28:42
End at: 2018-08-22 19:29:12
Local clock offset: 0.595 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.485 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.480 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.494 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-22 19:55:38

End at: 2018-08-22 19:56:08

Local clock offset: 0.95 ms

Remote clock offset: 3.839 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.19%

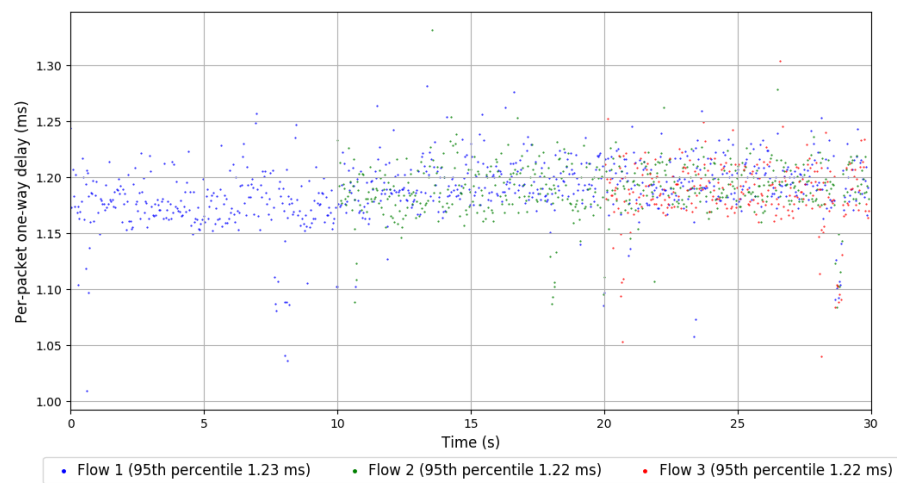
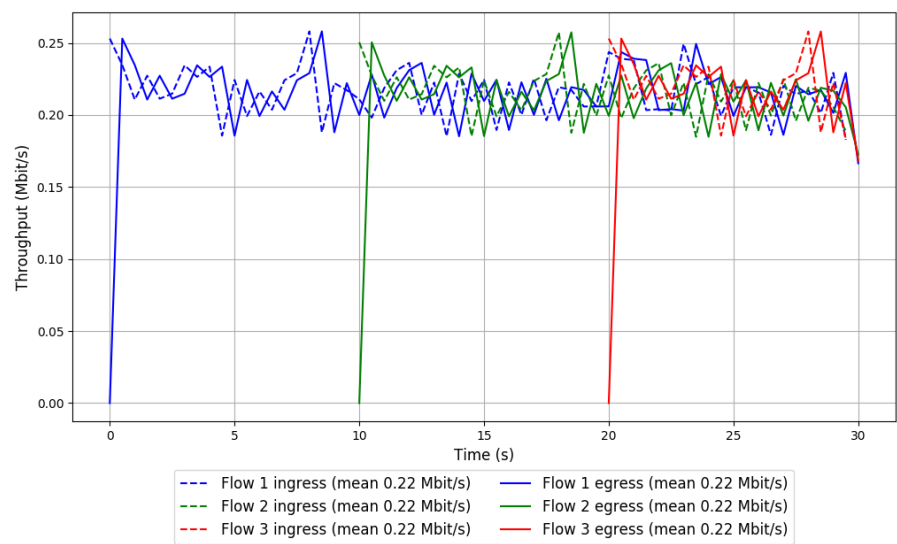
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-22 20:22:28

End at: 2018-08-22 20:22:58

Local clock offset: -2.718 ms

Remote clock offset: 3.328 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.366 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.371 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.362 ms

Loss rate: 0.19%

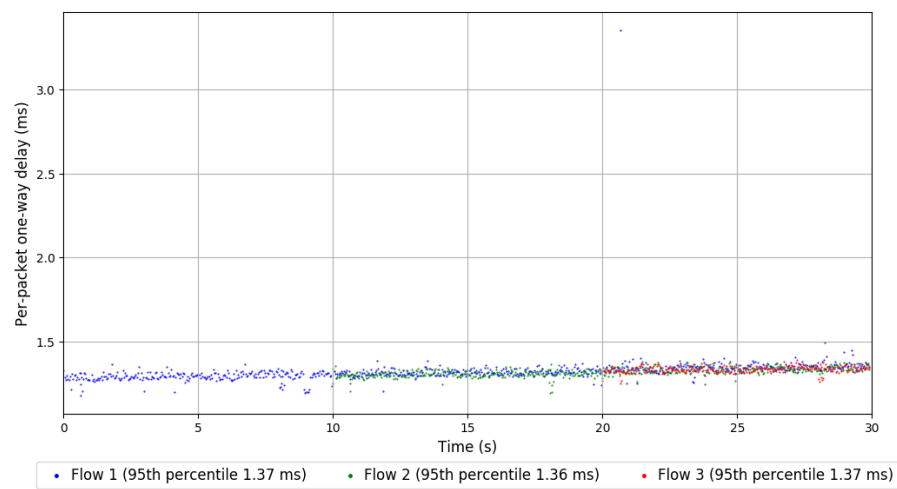
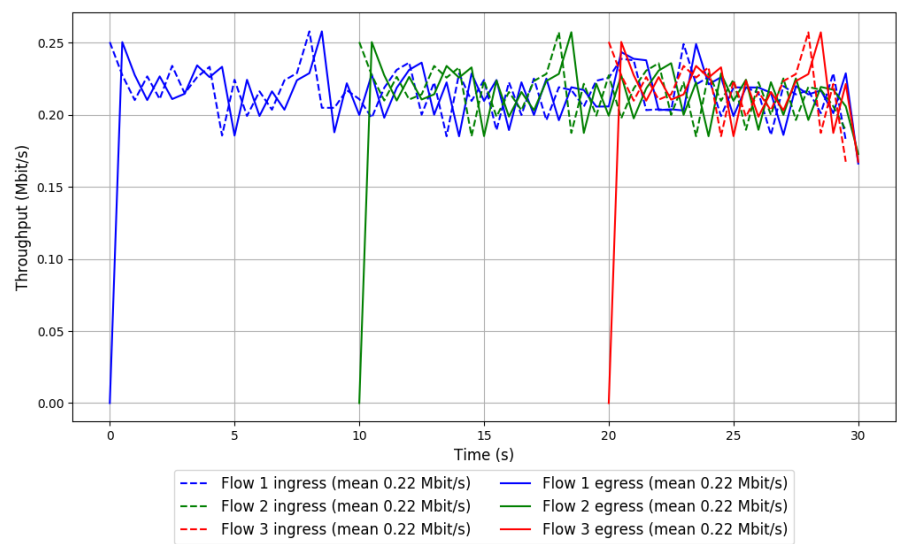
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.366 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-22 20:49:23

End at: 2018-08-22 20:49:53

Local clock offset: -4.711 ms

Remote clock offset: 3.108 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.19%

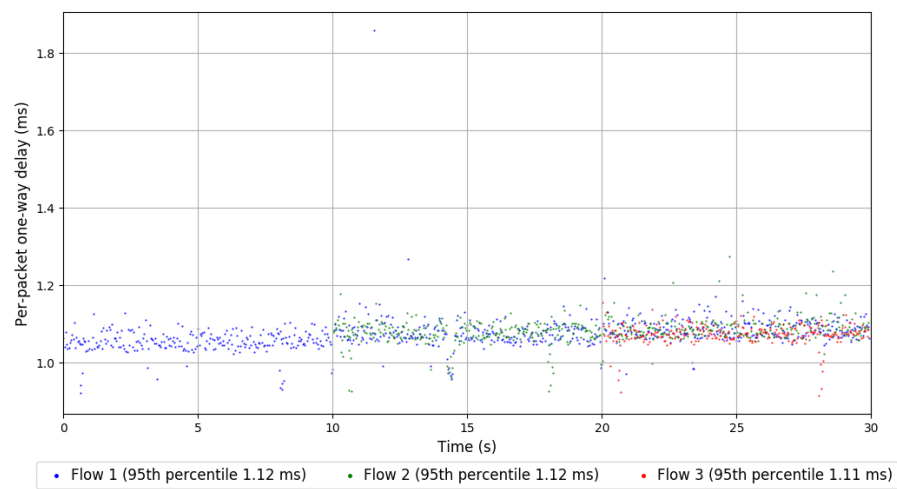
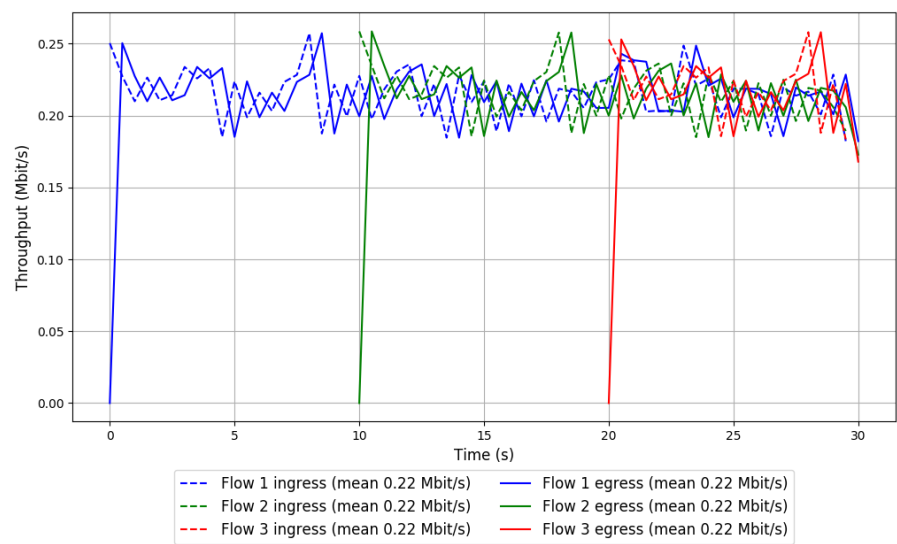
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-22 21:16:10

End at: 2018-08-22 21:16:40

Local clock offset: -3.444 ms

Remote clock offset: 2.828 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.19%

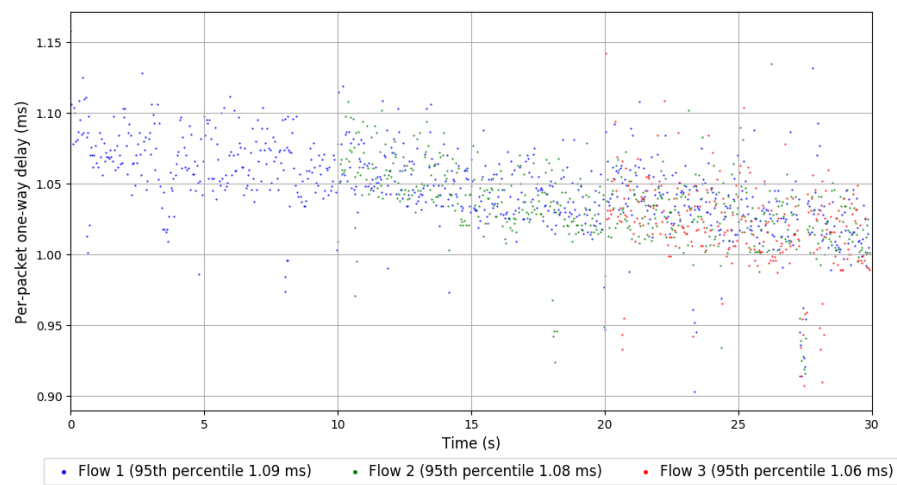
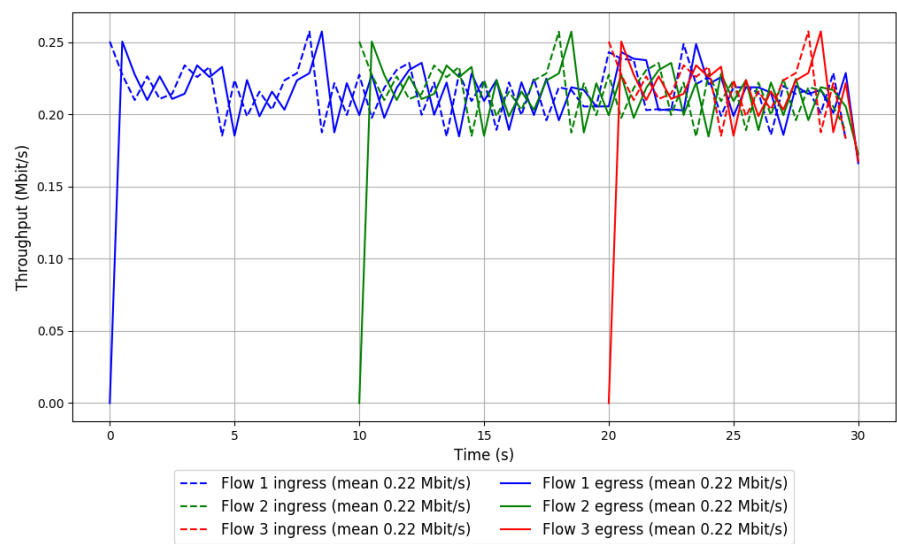
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.36%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-08-22 21:43:03

End at: 2018-08-22 21:43:33

Local clock offset: -2.347 ms

Remote clock offset: 2.667 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.19%

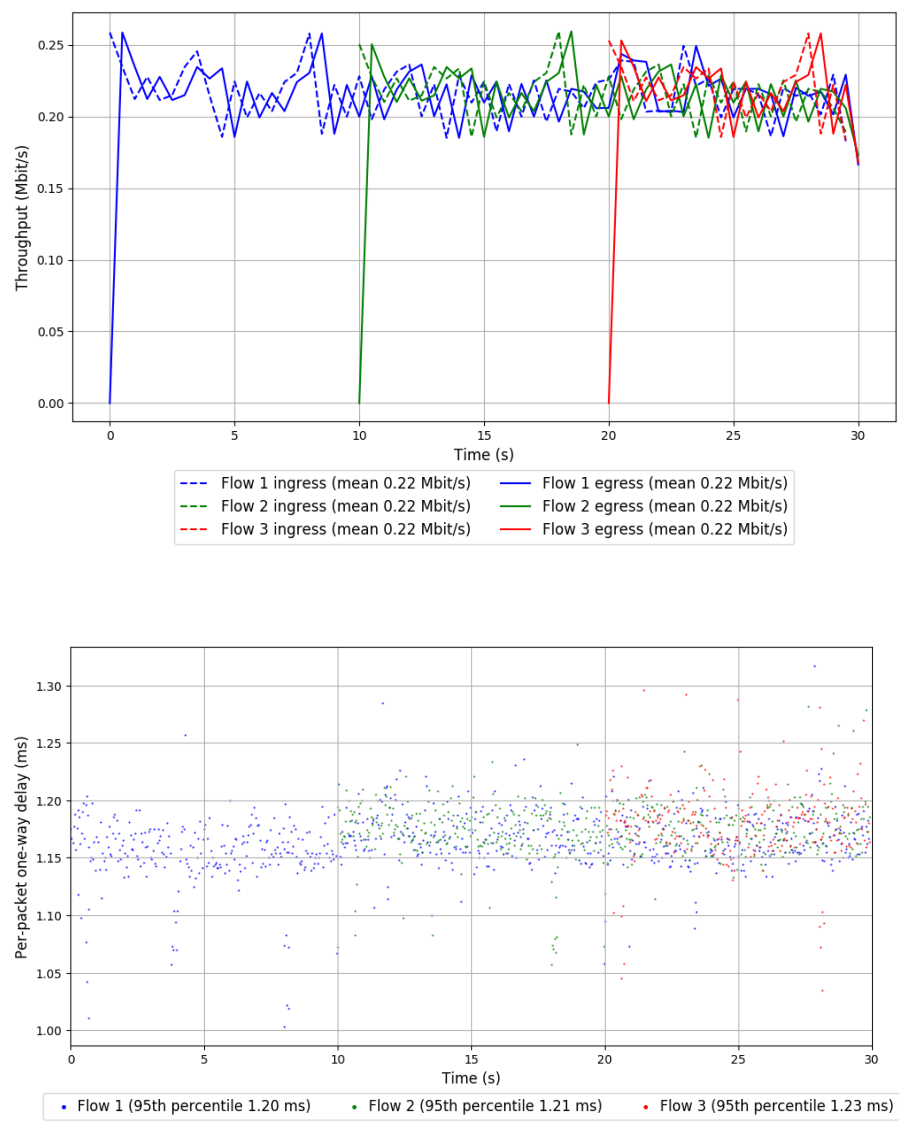
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-22 22:09:58

End at: 2018-08-22 22:10:28

Local clock offset: -1.519 ms

Remote clock offset: 2.836 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 0.977 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.19%

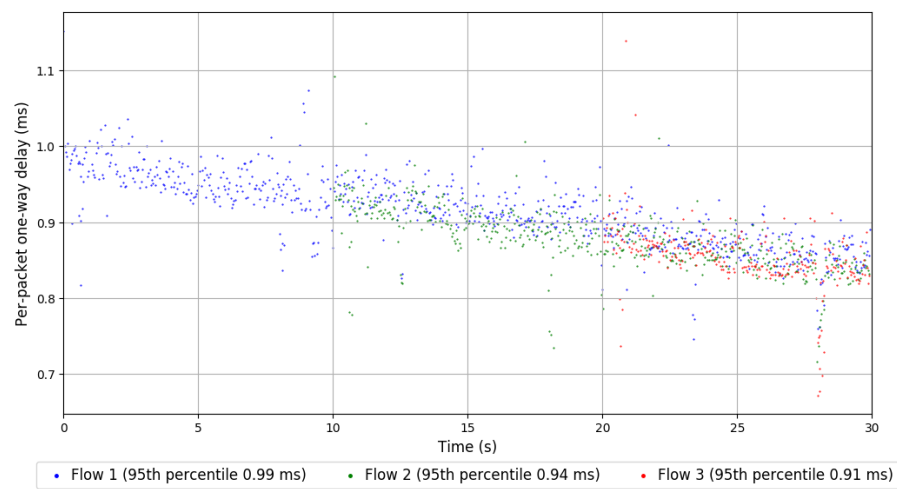
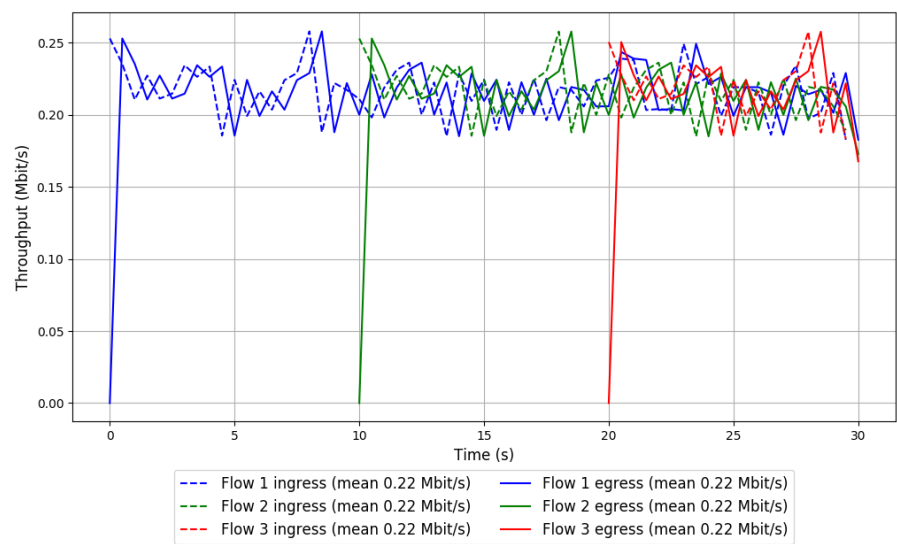
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.906 ms

Loss rate: 0.36%

Run 8: Report of SReAM — Data Link

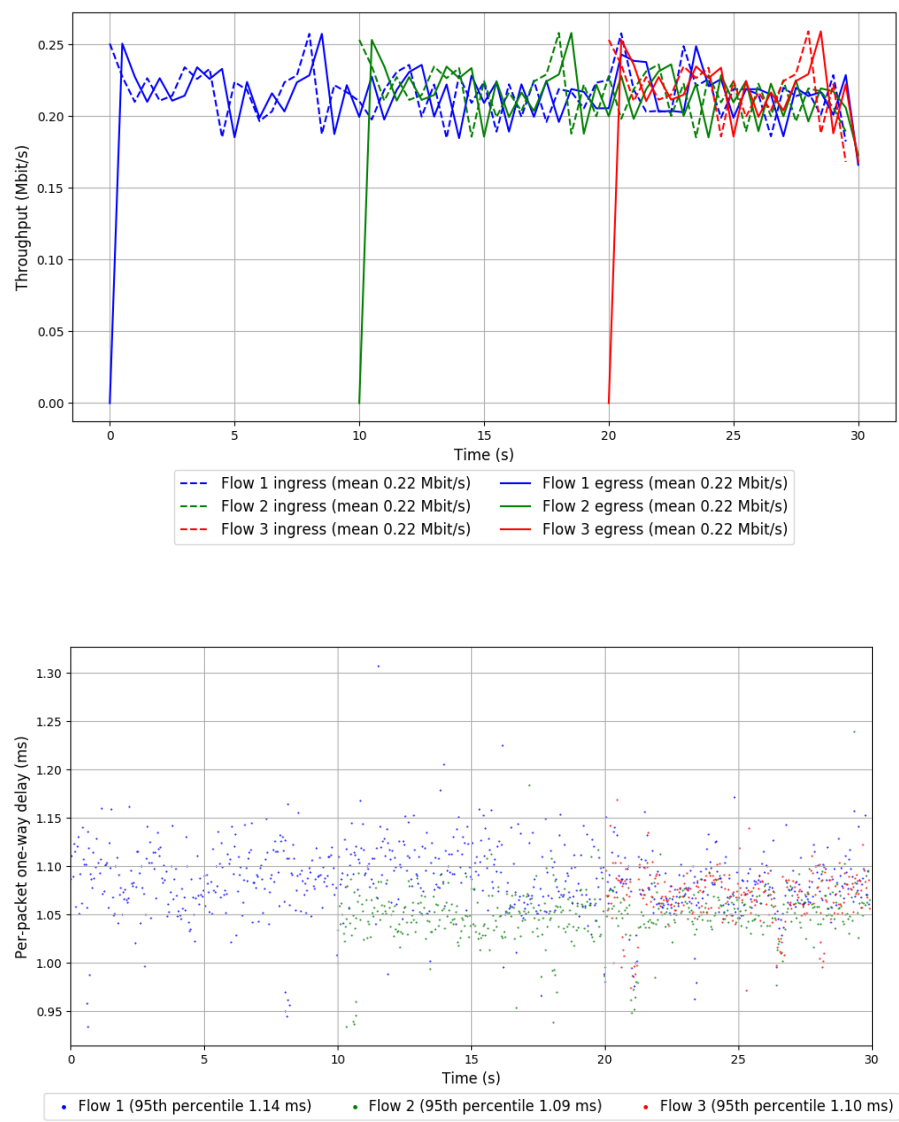


Run 9: Statistics of SReAM

Start at: 2018-08-22 22:36:46
End at: 2018-08-22 22:37:16
Local clock offset: 1.411 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

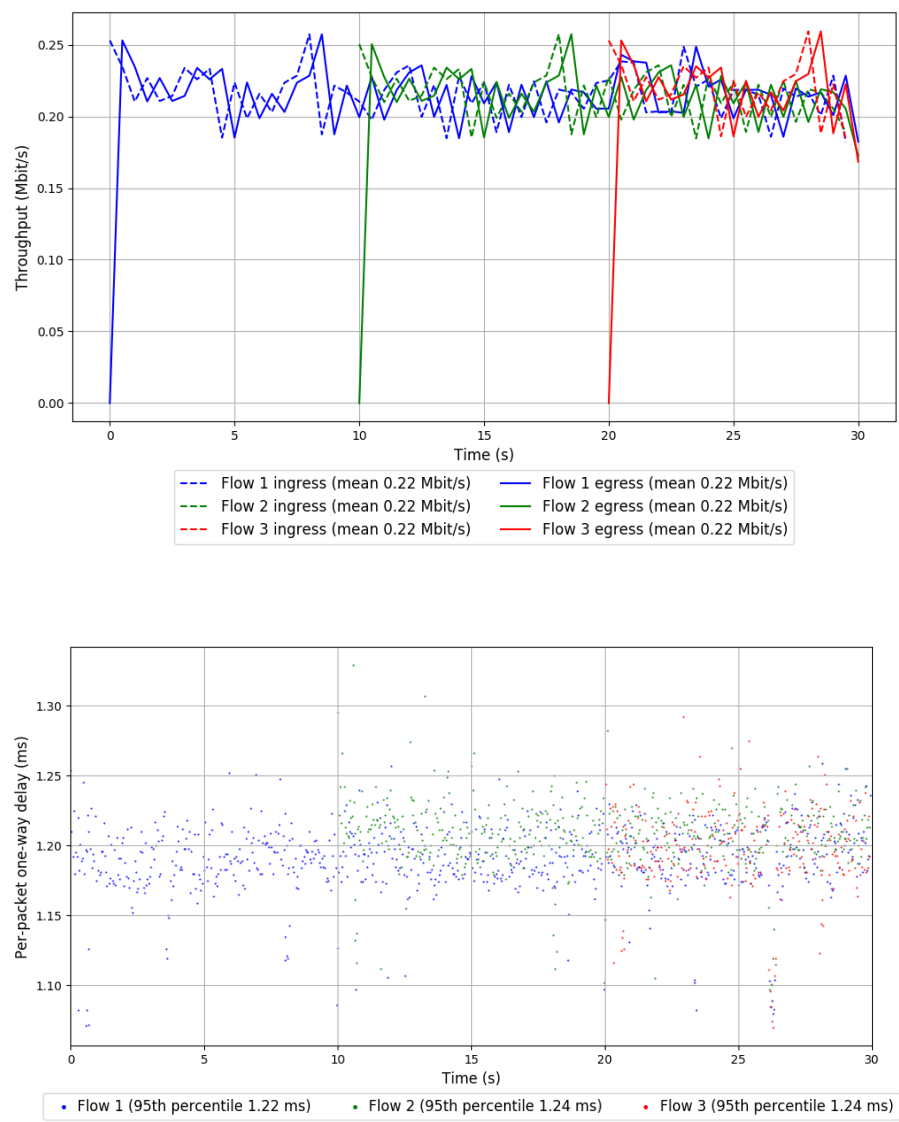


Run 10: Statistics of SReAM

Start at: 2018-08-22 23:03:41
End at: 2018-08-22 23:04:11
Local clock offset: 0.857 ms
Remote clock offset: -0.728 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

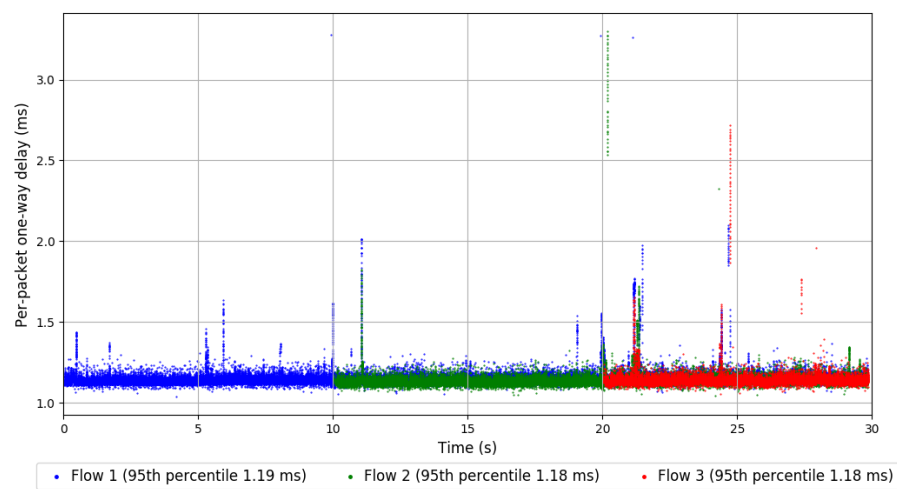
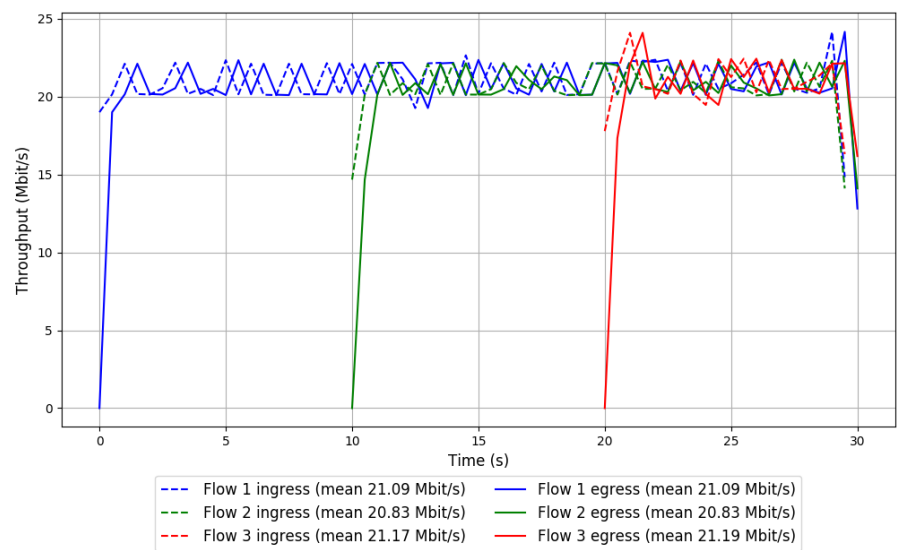


Run 1: Statistics of Sprout

Start at: 2018-08-22 19:11:16
End at: 2018-08-22 19:11:46
Local clock offset: 0.603 ms
Remote clock offset: -0.621 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-22 19:38:08

End at: 2018-08-22 19:38:38

Local clock offset: 0.689 ms

Remote clock offset: 2.214 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.67 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 20.95 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.24%

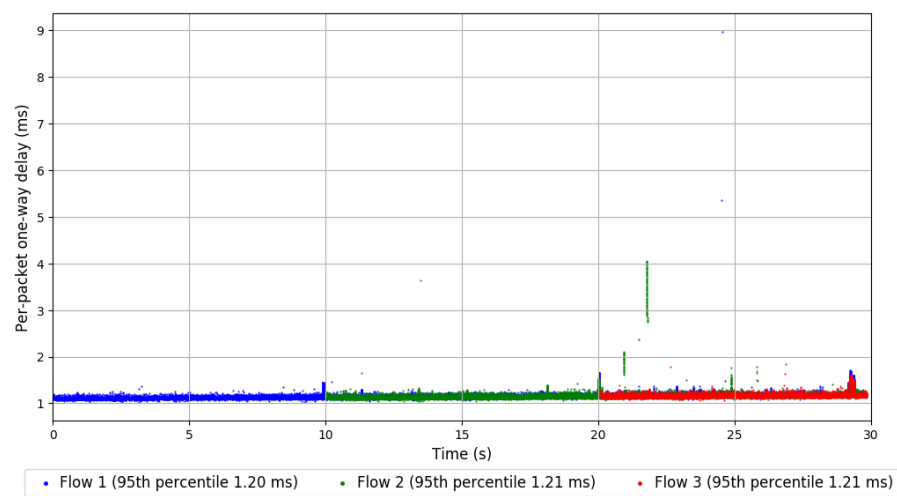
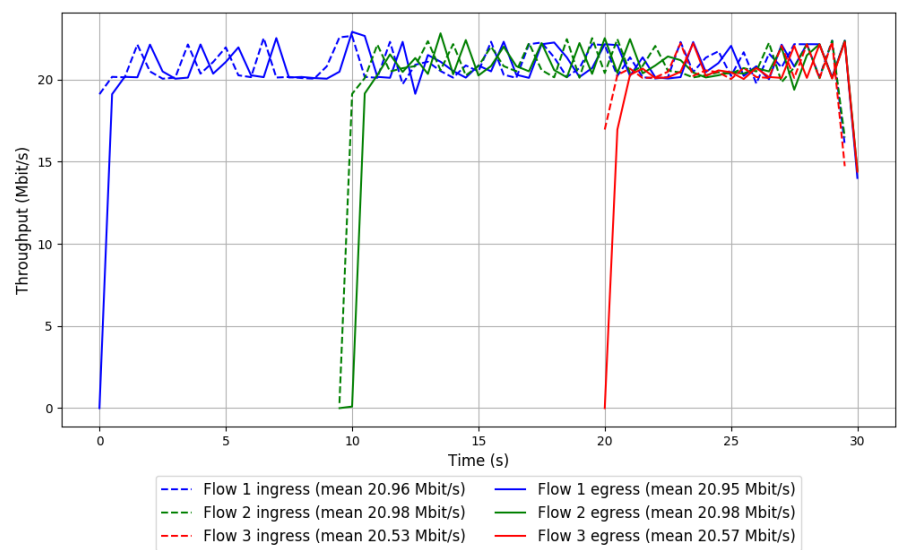
-- Flow 3:

Average throughput: 20.57 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-22 20:05:07

End at: 2018-08-22 20:05:37

Local clock offset: 1.066 ms

Remote clock offset: 3.828 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 20.79 Mbit/s

95th percentile per-packet one-way delay: 1.000 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.07%

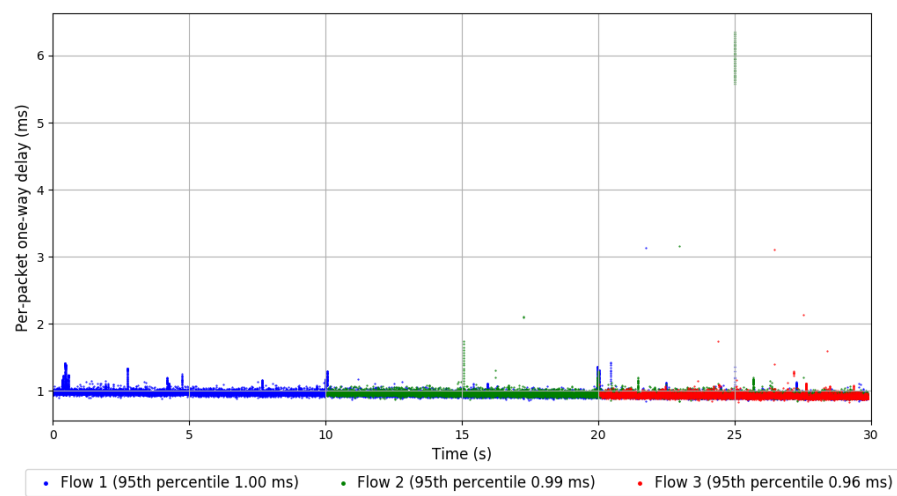
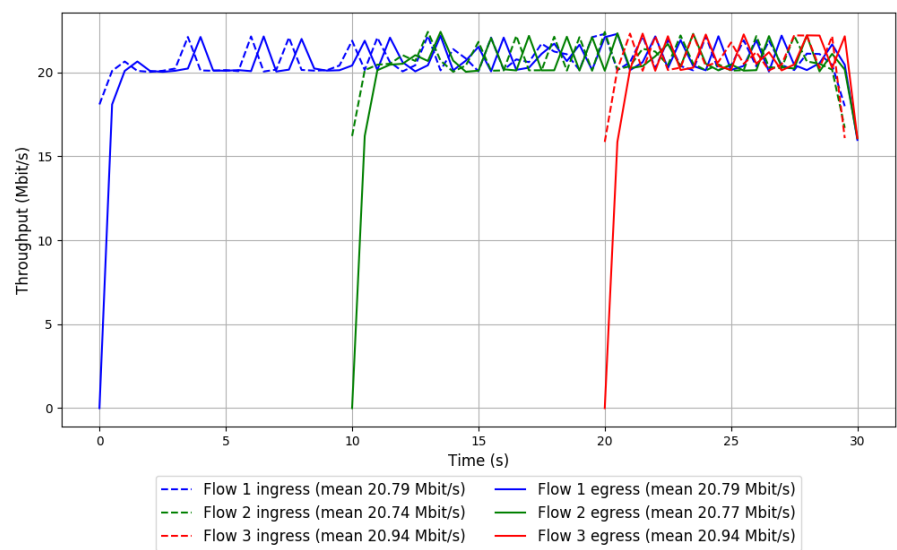
-- Flow 3:

Average throughput: 20.94 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

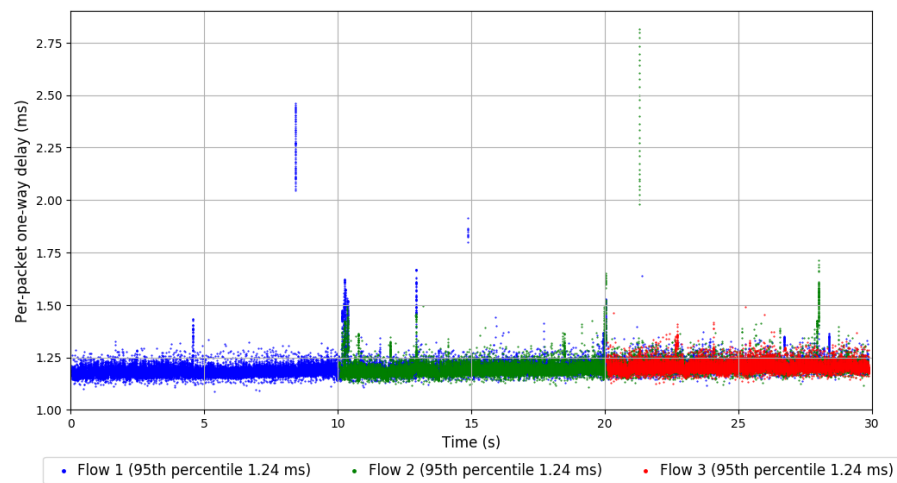
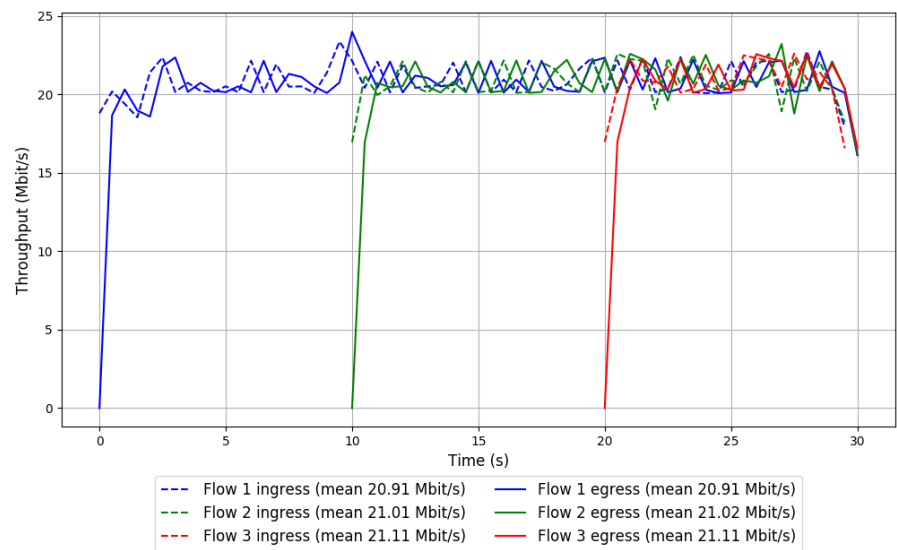


Run 4: Statistics of Sprout

Start at: 2018-08-22 20:31:57
End at: 2018-08-22 20:32:27
Local clock offset: -3.592 ms
Remote clock offset: 3.501 ms

```
# Below is generated by plot.py at 2018-08-23 01:31:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

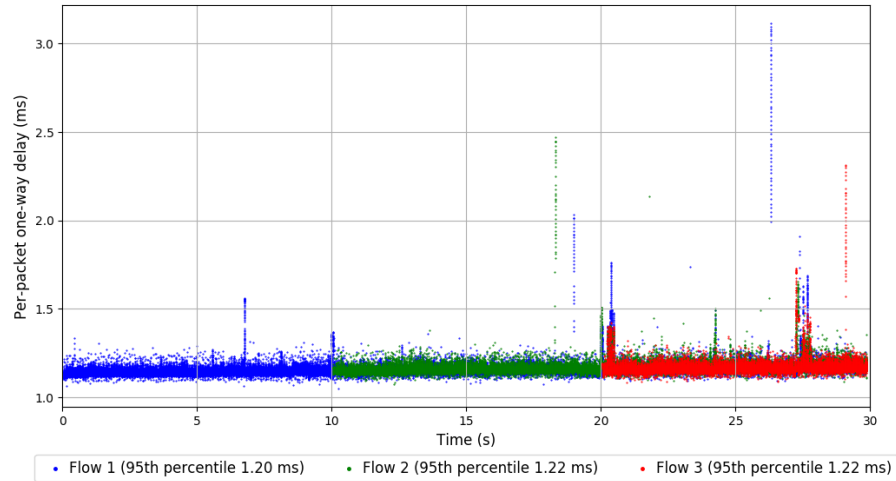
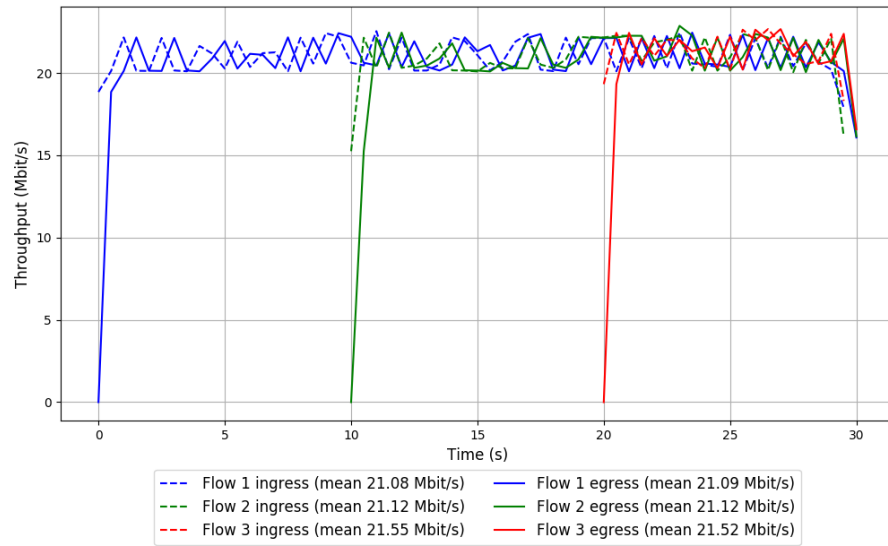


Run 5: Statistics of Sprout

Start at: 2018-08-22 20:58:47
End at: 2018-08-22 20:59:17
Local clock offset: -5.071 ms
Remote clock offset: 2.975 ms

```
# Below is generated by plot.py at 2018-08-23 01:31:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.41%
```

Run 5: Report of Sprout — Data Link

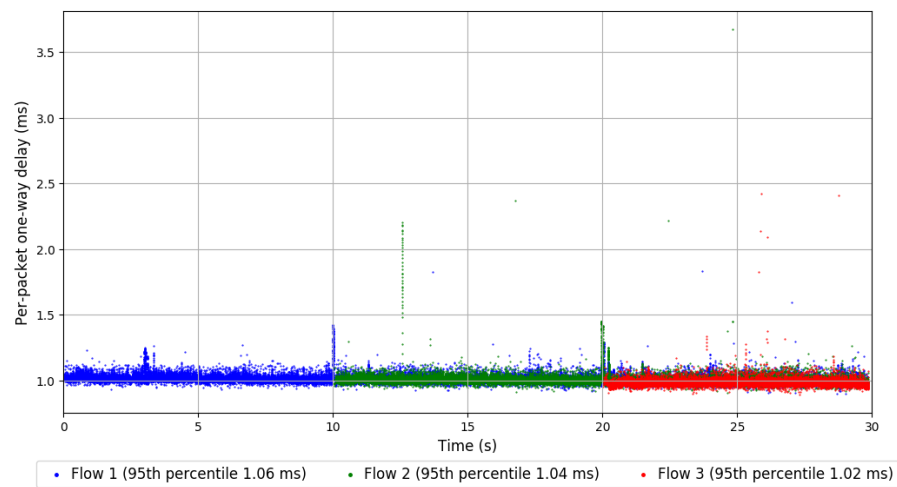
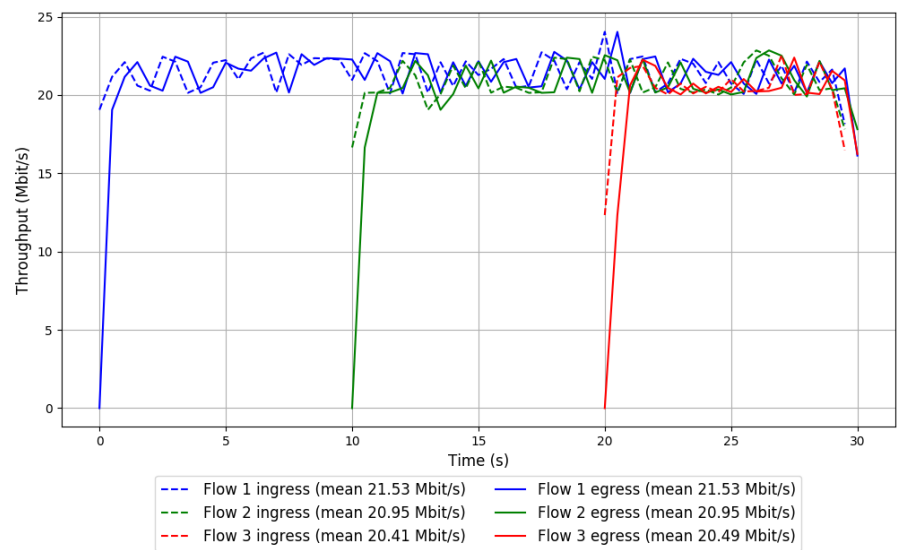


Run 6: Statistics of Sprout

Start at: 2018-08-22 21:25:34
End at: 2018-08-22 21:26:04
Local clock offset: -2.632 ms
Remote clock offset: 2.72 ms

```
# Below is generated by plot.py at 2018-08-23 01:31:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.95 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.06%
```

Run 6: Report of Sprout — Data Link

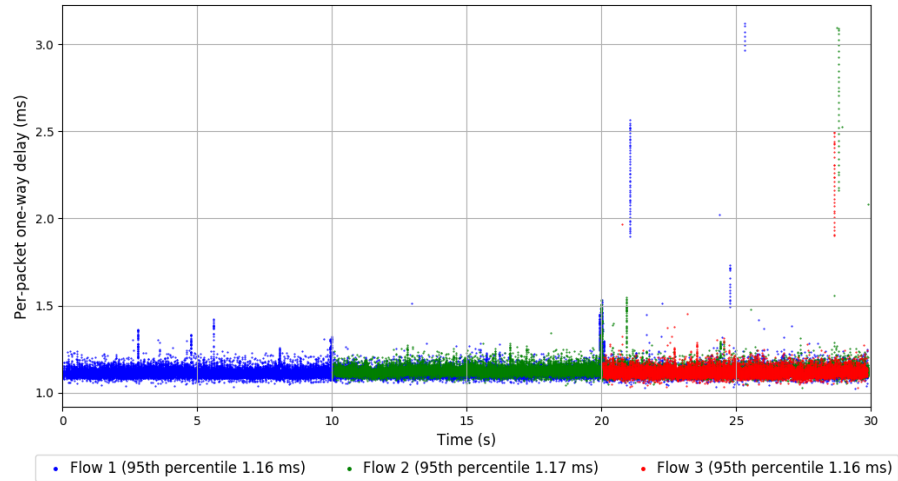
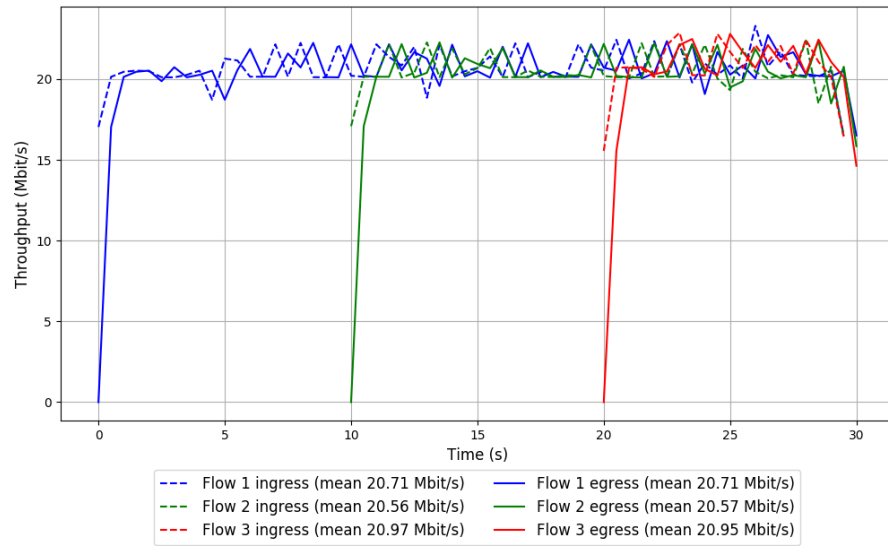


Run 7: Statistics of Sprout

Start at: 2018-08-22 21:52:29
End at: 2018-08-22 21:52:59
Local clock offset: -2.403 ms
Remote clock offset: 2.679 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 20.95 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.44%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-22 22:19:25

End at: 2018-08-22 22:19:55

Local clock offset: 0.206 ms

Remote clock offset: 2.569 ms

Below is generated by plot.py at 2018-08-23 01:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.57 Mbit/s

95th percentile per-packet one-way delay: 0.875 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 0.816 ms

Loss rate: 0.00%

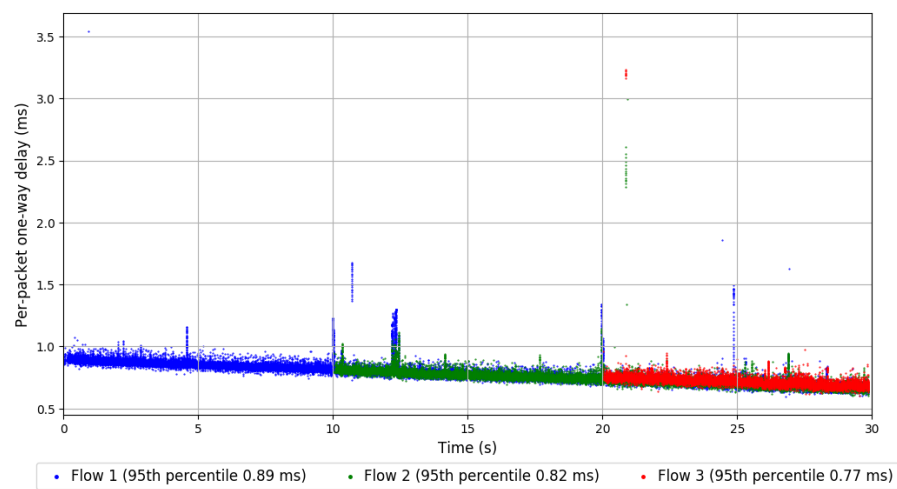
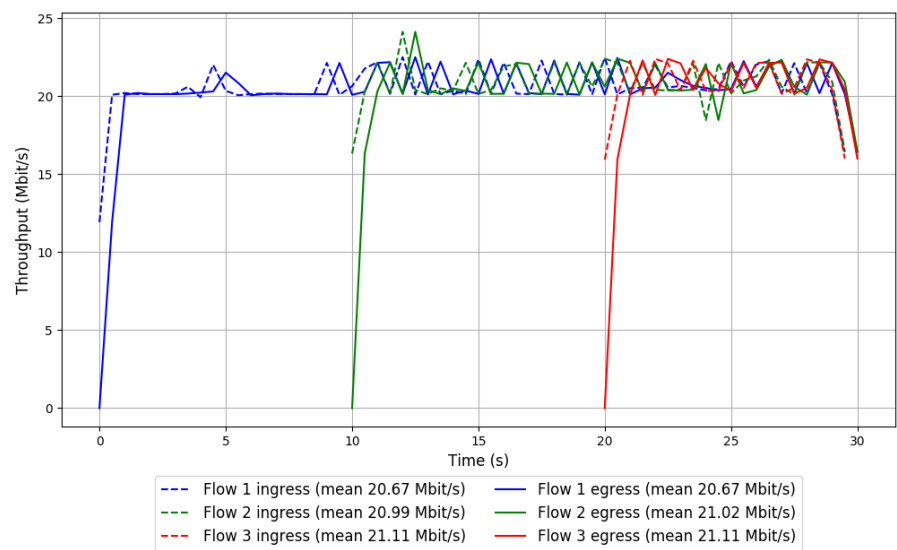
-- Flow 3:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 0.770 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

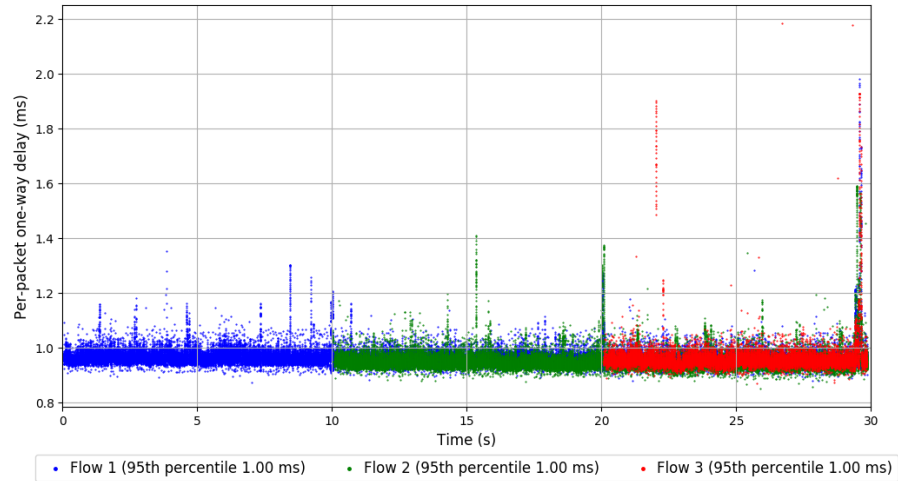
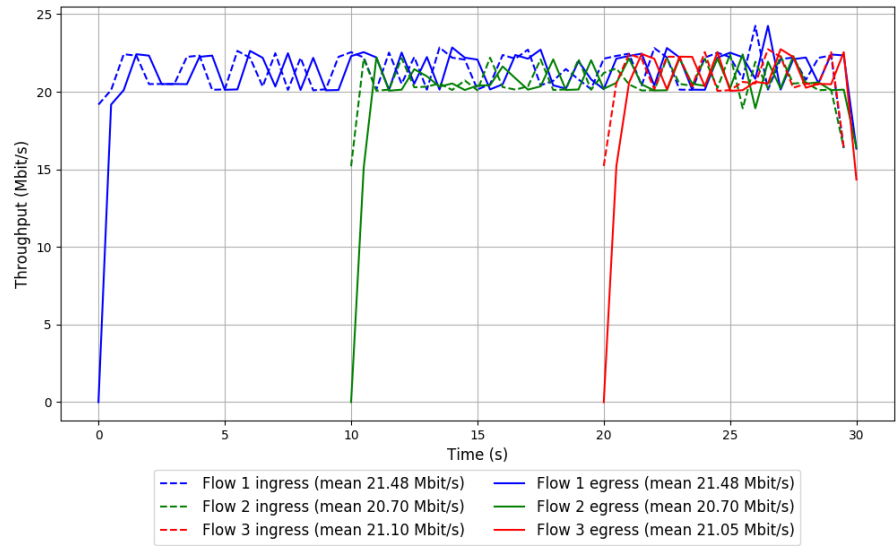


Run 9: Statistics of Sprout

Start at: 2018-08-22 22:46:08
End at: 2018-08-22 22:46:38
Local clock offset: 0.79 ms
Remote clock offset: -1.189 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.49%

Run 9: Report of Sprout — Data Link

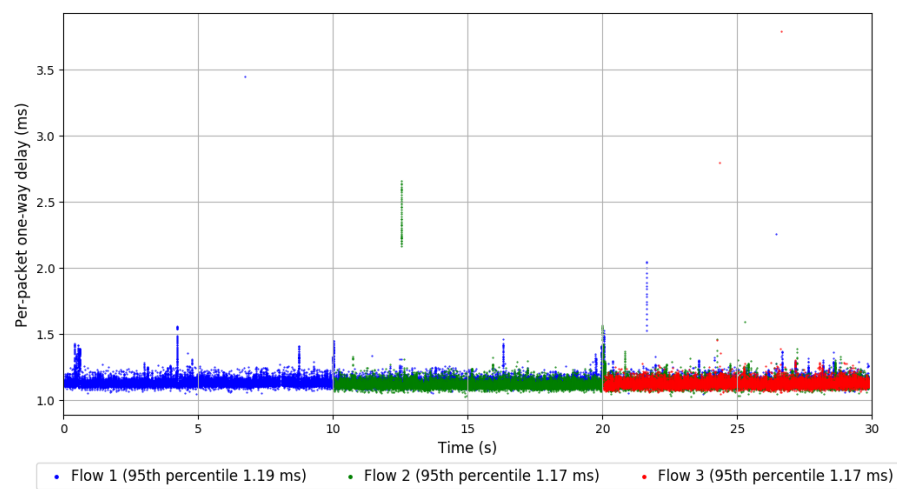
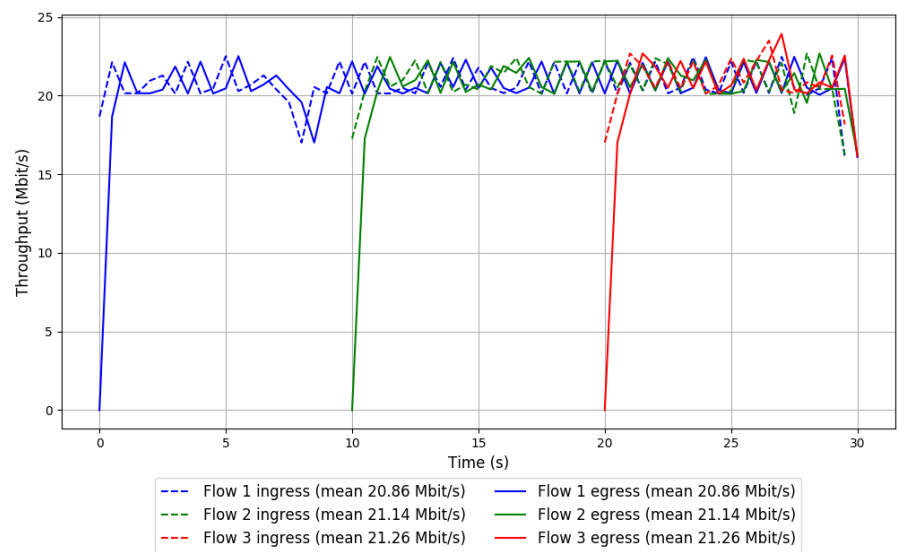


Run 10: Statistics of Sprout

Start at: 2018-08-22 23:13:07
End at: 2018-08-22 23:13:37
Local clock offset: 0.697 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-08-23 01:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.48%

Run 10: Report of Sprout — Data Link

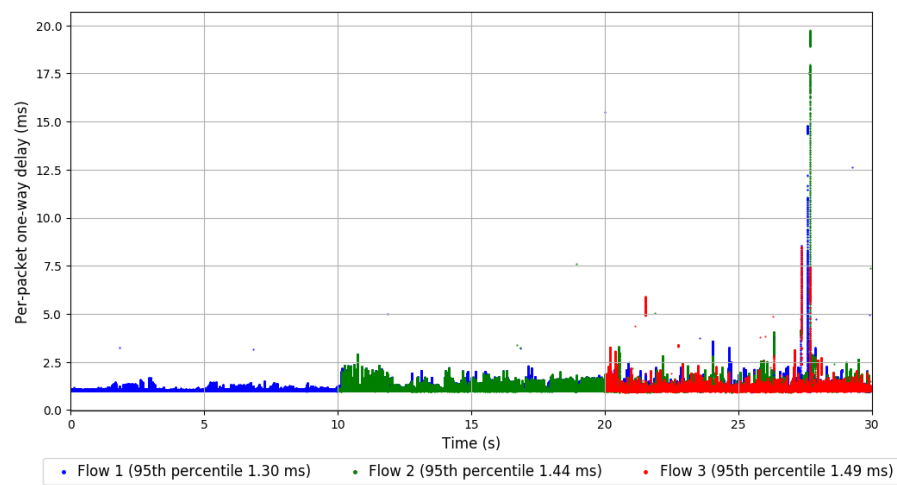
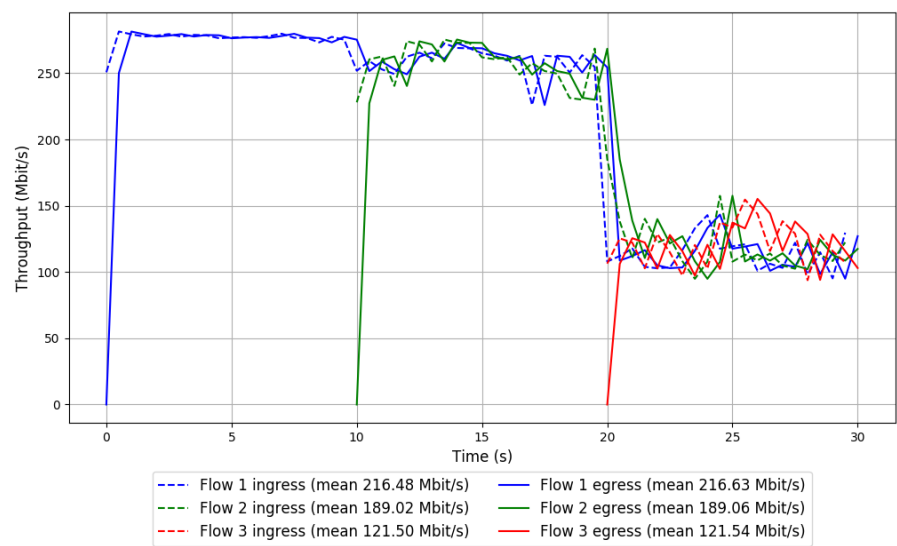


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 19:14:09
End at: 2018-08-22 19:14:39
Local clock offset: 0.547 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-08-23 01:38:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.75 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 216.63 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 189.06 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 121.54 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.18%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 19:40:59

End at: 2018-08-22 19:41:29

Local clock offset: 0.72 ms

Remote clock offset: 2.589 ms

Below is generated by plot.py at 2018-08-23 01:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.64 Mbit/s

95th percentile per-packet one-way delay: 1.210 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 215.54 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 194.52 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.06%

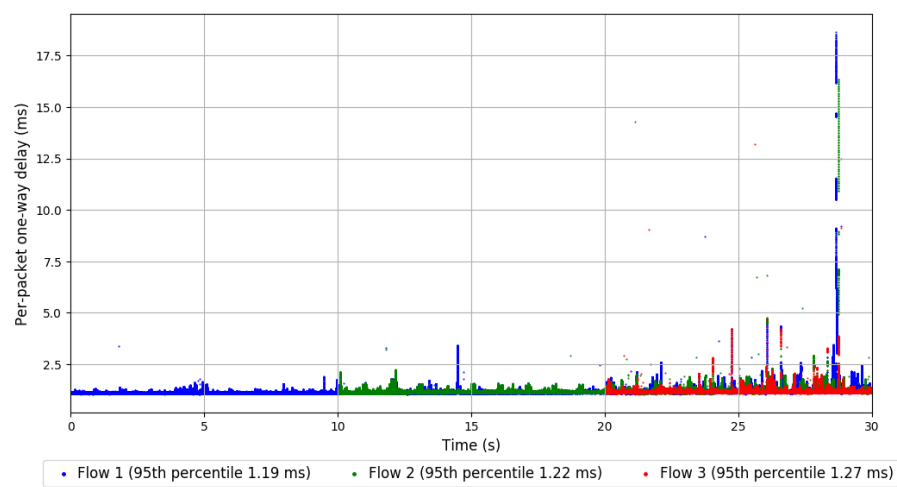
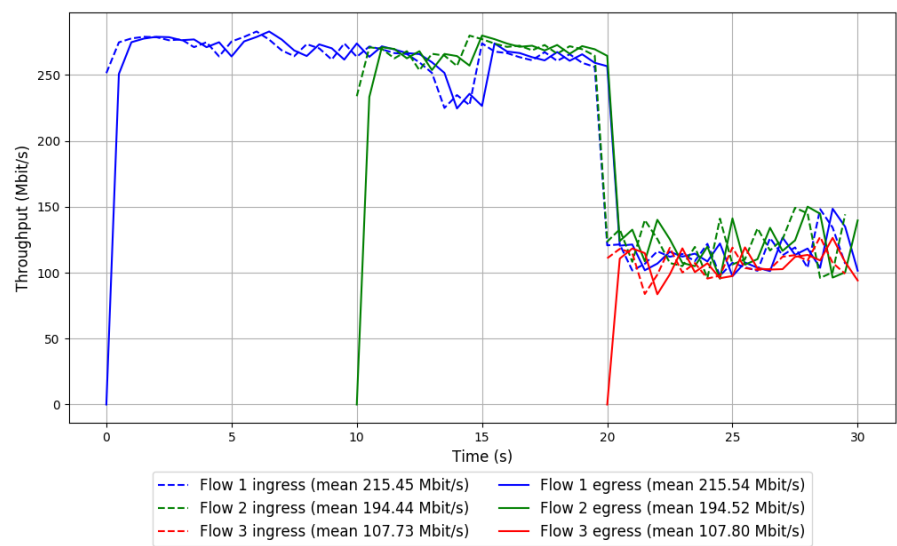
-- Flow 3:

Average throughput: 107.80 Mbit/s

95th percentile per-packet one-way delay: 1.274 ms

Loss rate: 0.25%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 20:07:58

End at: 2018-08-22 20:08:28

Local clock offset: 0.764 ms

Remote clock offset: 3.634 ms

Below is generated by plot.py at 2018-08-23 01:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.90 Mbit/s

95th percentile per-packet one-way delay: 1.509 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 215.41 Mbit/s

95th percentile per-packet one-way delay: 1.418 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 193.96 Mbit/s

95th percentile per-packet one-way delay: 1.482 ms

Loss rate: 0.02%

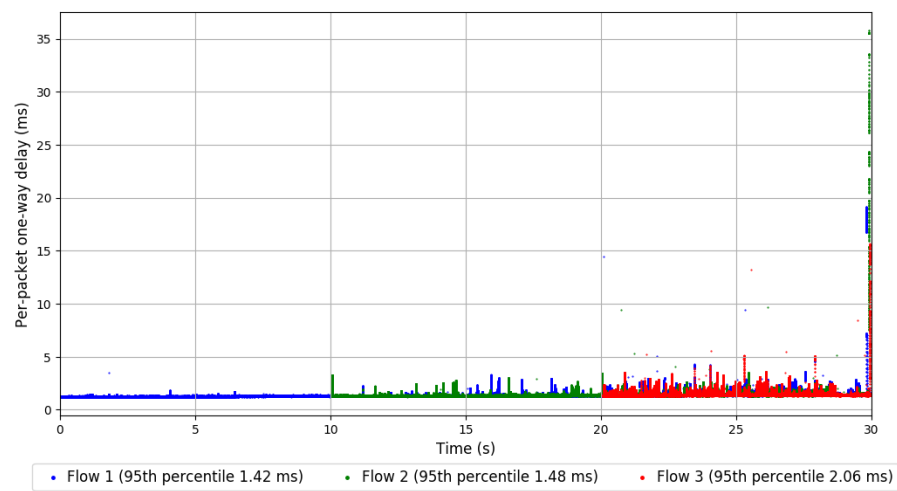
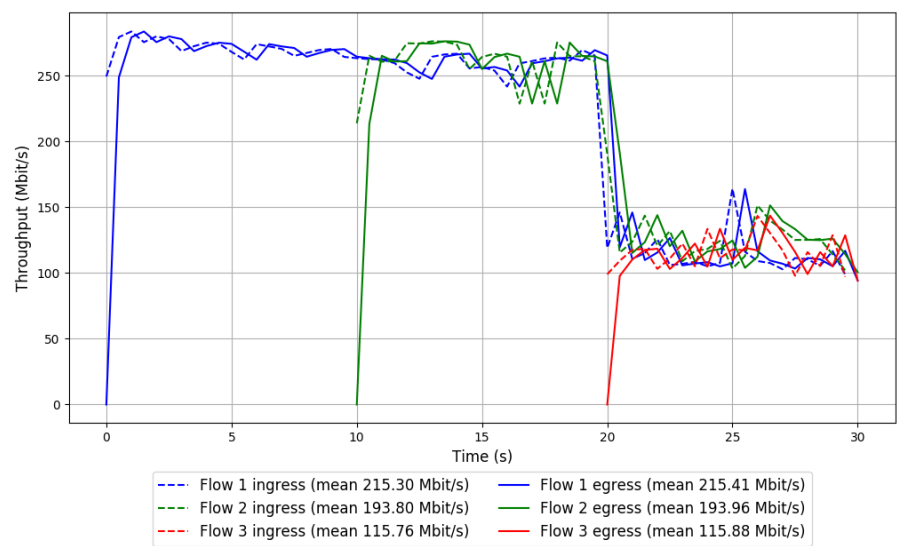
-- Flow 3:

Average throughput: 115.88 Mbit/s

95th percentile per-packet one-way delay: 2.062 ms

Loss rate: 0.15%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 20:34:48

End at: 2018-08-22 20:35:18

Local clock offset: -3.78 ms

Remote clock offset: 3.63 ms

Below is generated by plot.py at 2018-08-23 01:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.21 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 215.16 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 189.36 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.03%

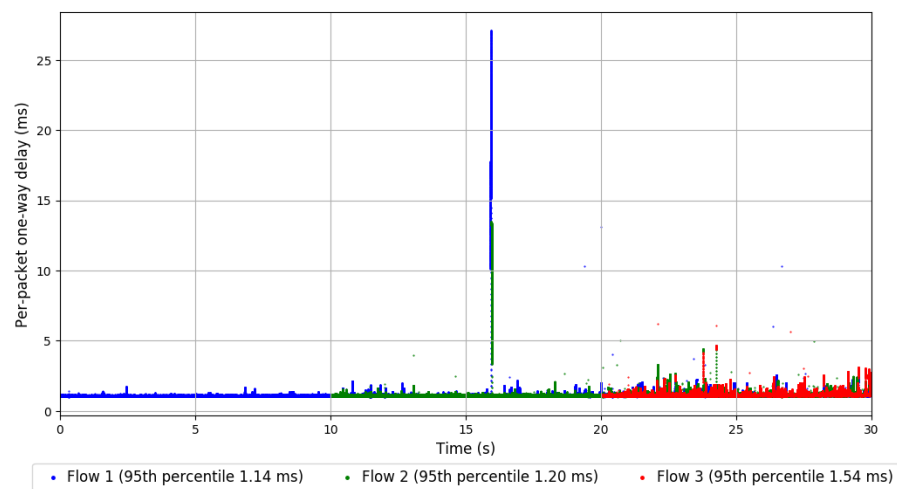
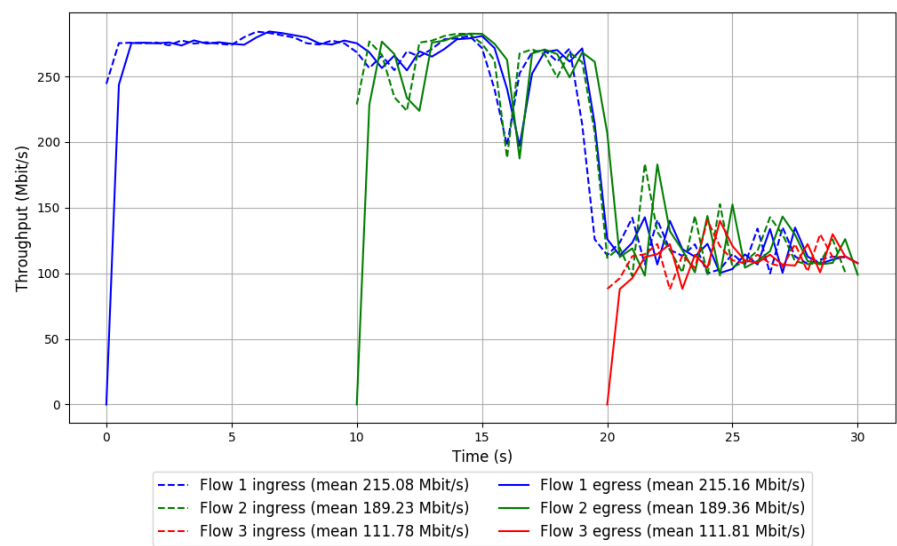
-- Flow 3:

Average throughput: 111.81 Mbit/s

95th percentile per-packet one-way delay: 1.537 ms

Loss rate: 0.22%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 21:01:37

End at: 2018-08-22 21:02:07

Local clock offset: -5.22 ms

Remote clock offset: 3.036 ms

Below is generated by plot.py at 2018-08-23 01:38:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.59 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 218.99 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 186.19 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.03%

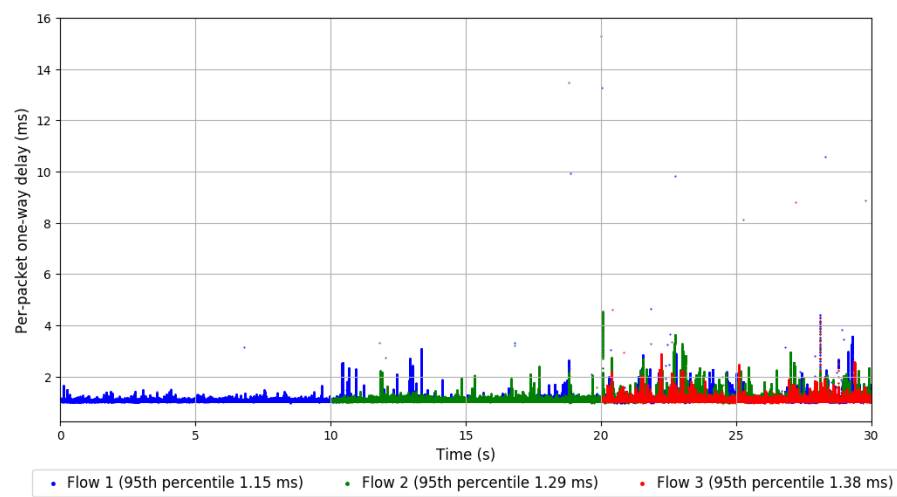
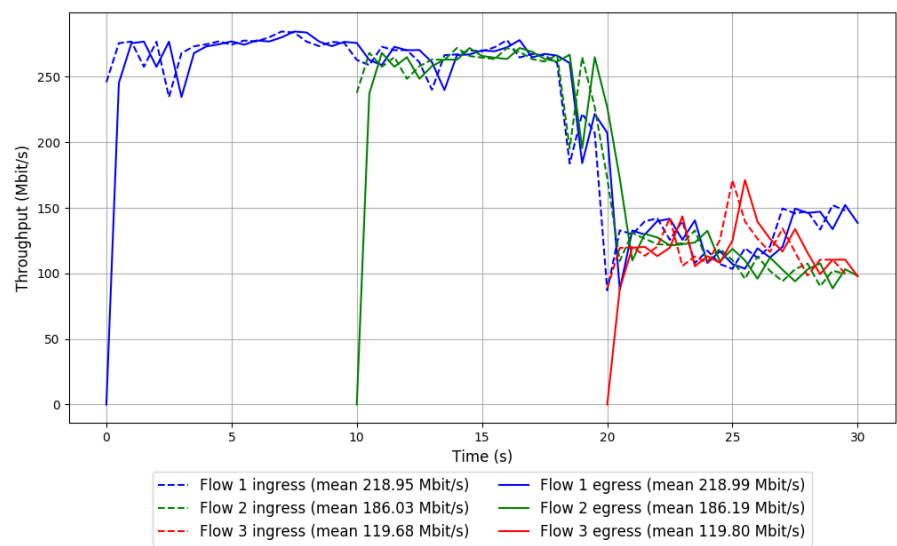
-- Flow 3:

Average throughput: 119.80 Mbit/s

95th percentile per-packet one-way delay: 1.382 ms

Loss rate: 0.09%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 21:28:27

End at: 2018-08-22 21:28:57

Local clock offset: -2.585 ms

Remote clock offset: 2.727 ms

Below is generated by plot.py at 2018-08-23 01:38:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.39 Mbit/s

95th percentile per-packet one-way delay: 0.976 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 217.88 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 194.26 Mbit/s

95th percentile per-packet one-way delay: 0.919 ms

Loss rate: 0.10%

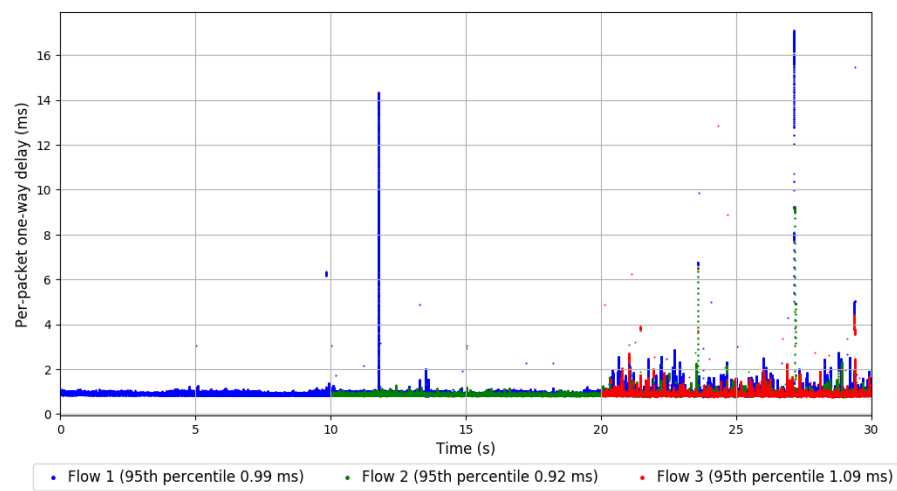
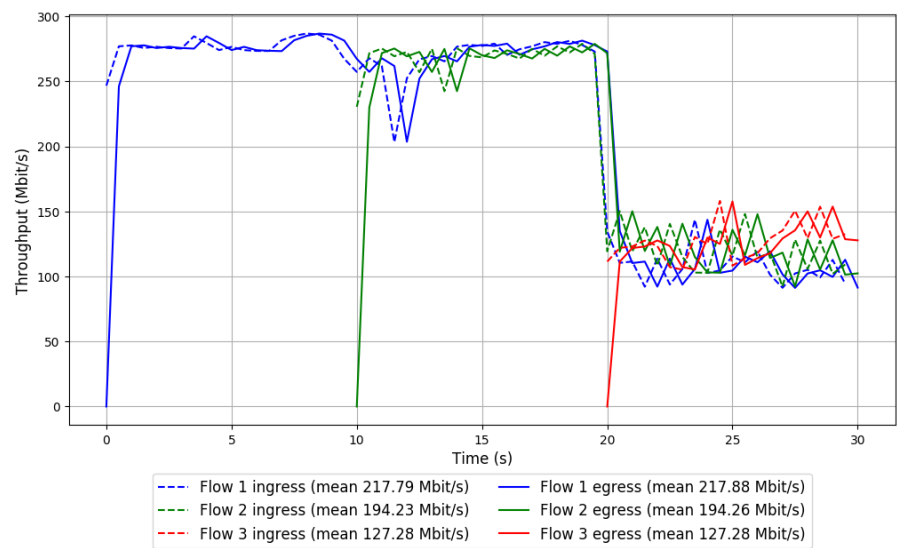
-- Flow 3:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.20%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 21:55:22

End at: 2018-08-22 21:55:52

Local clock offset: -2.498 ms

Remote clock offset: 2.712 ms

Below is generated by plot.py at 2018-08-23 01:38:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.36 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 216.91 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 193.77 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.07%

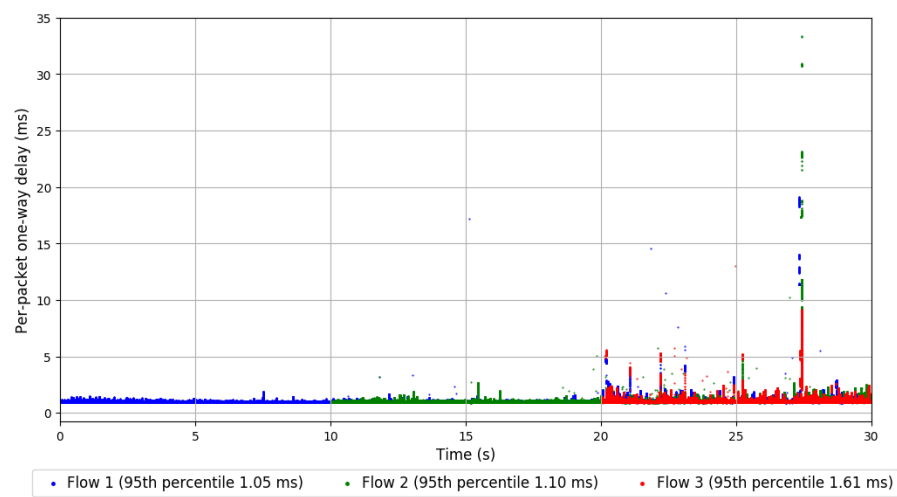
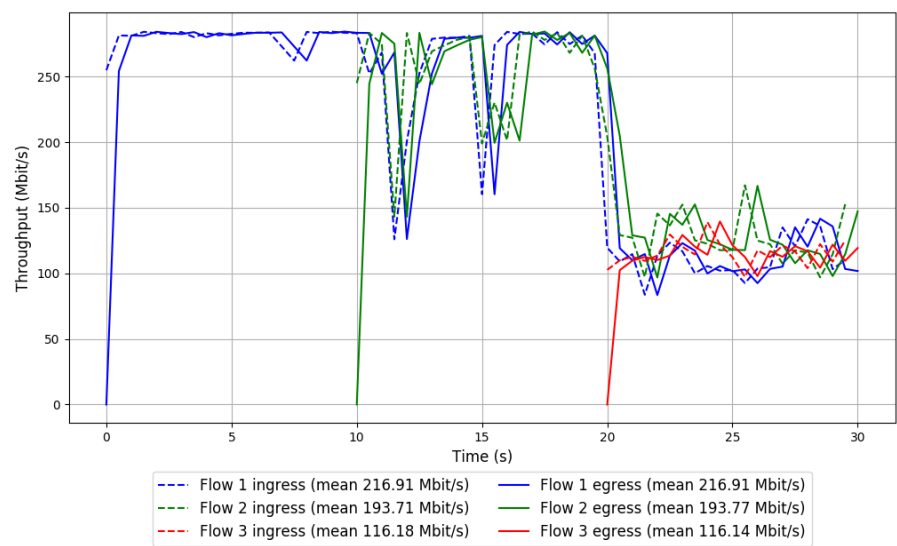
-- Flow 3:

Average throughput: 116.14 Mbit/s

95th percentile per-packet one-way delay: 1.614 ms

Loss rate: 0.25%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 22:22:18

End at: 2018-08-22 22:22:48

Local clock offset: 0.428 ms

Remote clock offset: 1.611 ms

Below is generated by plot.py at 2018-08-23 01:40:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.68 Mbit/s

95th percentile per-packet one-way delay: 0.881 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 222.03 Mbit/s

95th percentile per-packet one-way delay: 0.878 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 199.53 Mbit/s

95th percentile per-packet one-way delay: 0.828 ms

Loss rate: 0.07%

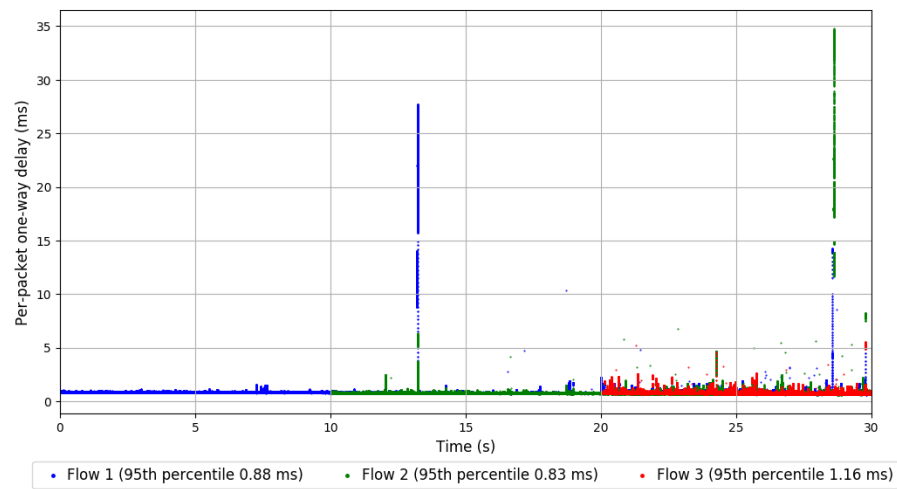
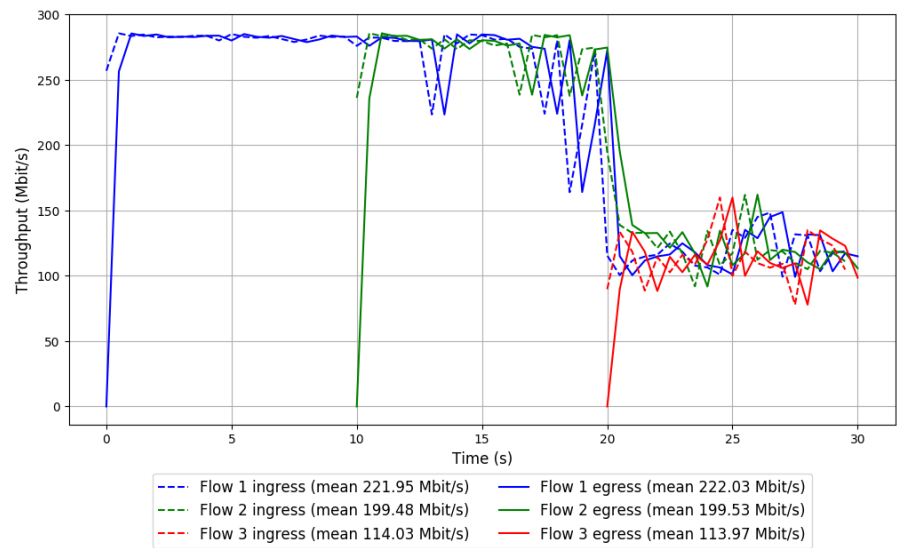
-- Flow 3:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.29%

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

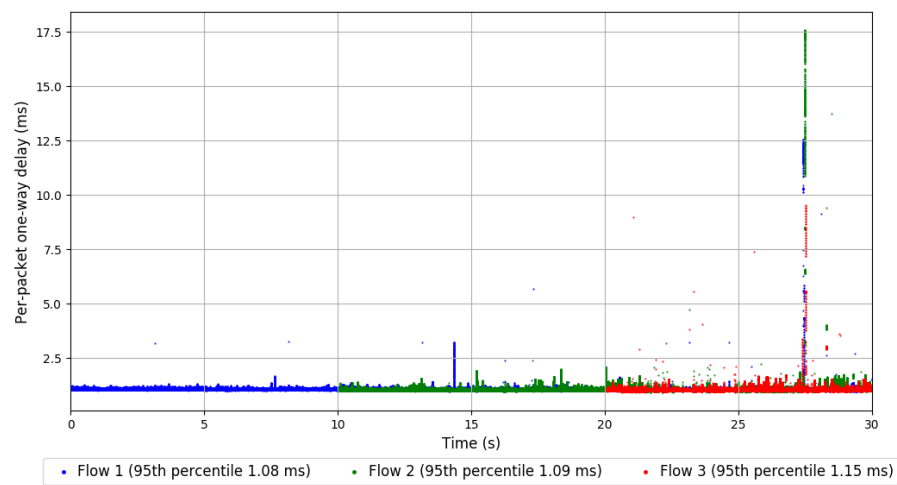
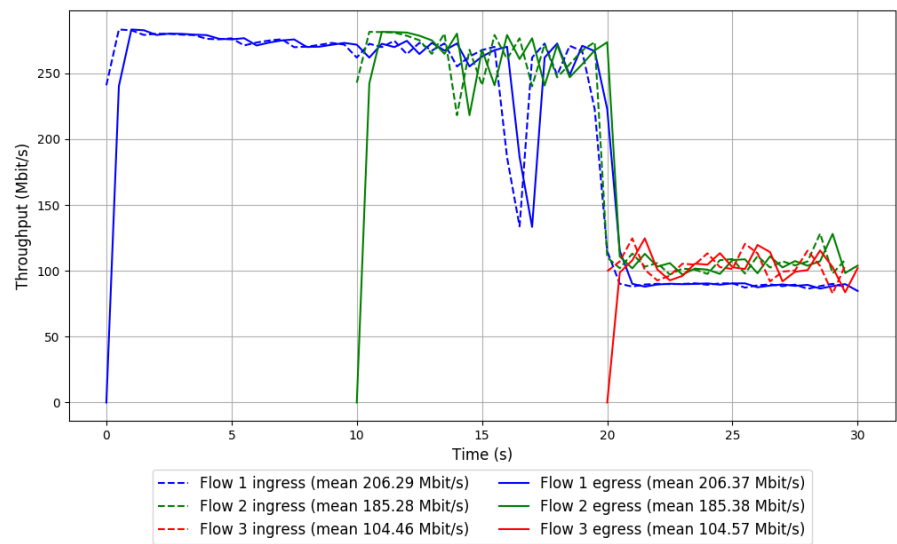


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 22:49:01
End at: 2018-08-22 22:49:31
Local clock offset: 0.794 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-08-23 01:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.46 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 206.37 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 104.57 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.08%

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

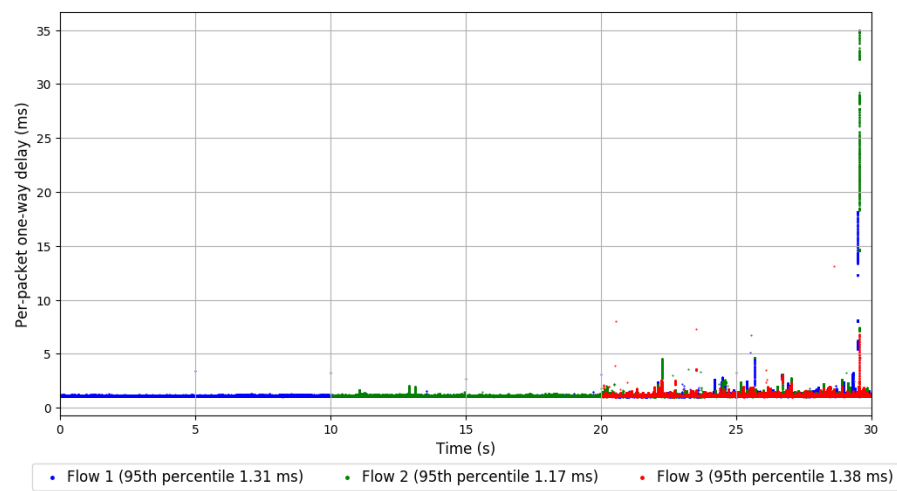
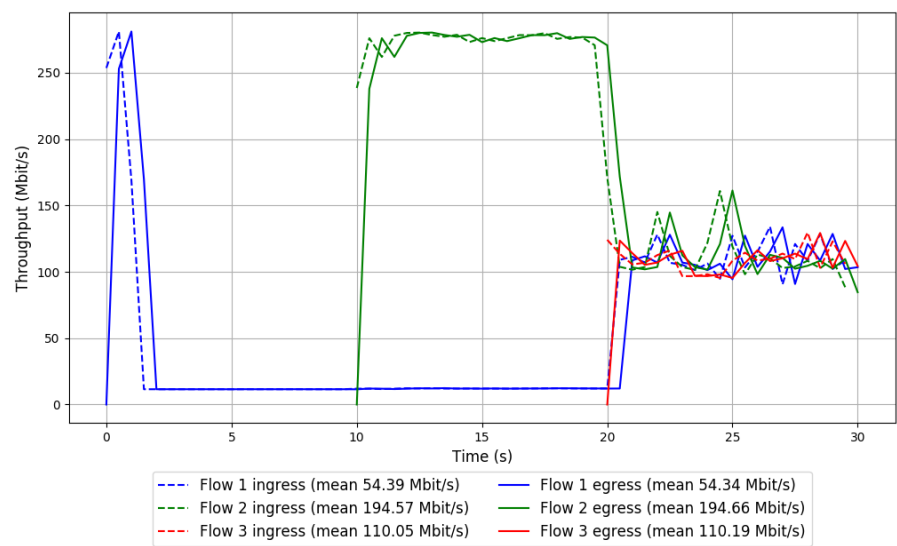


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 23:15:56
End at: 2018-08-22 23:16:26
Local clock offset: 0.649 ms
Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-08-23 01:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.38 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 194.66 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 110.19 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.08%

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

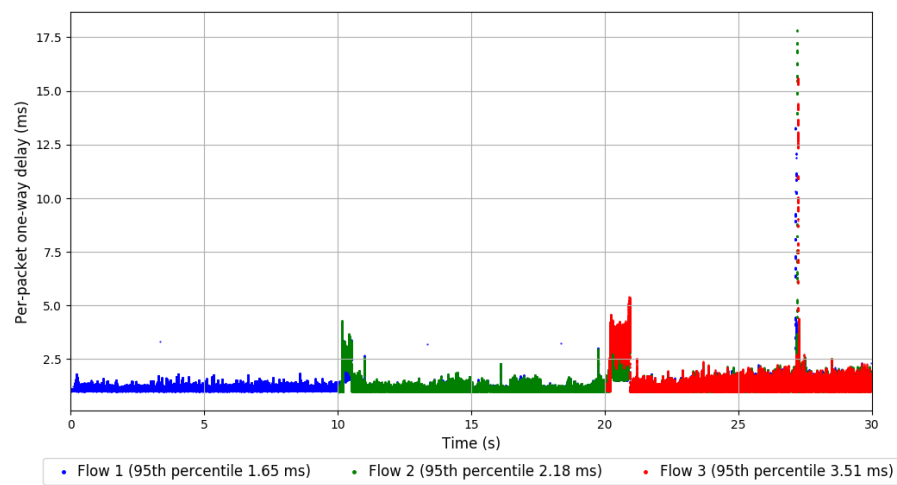
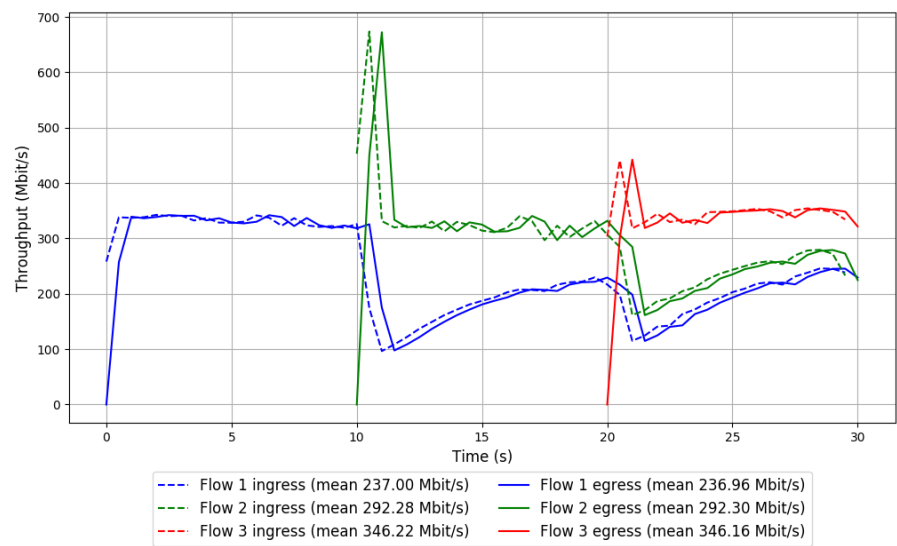


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 19:20:47
End at: 2018-08-22 19:21:17
Local clock offset: 0.528 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-08-23 01:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.54 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 236.96 Mbit/s
95th percentile per-packet one-way delay: 1.649 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 292.30 Mbit/s
95th percentile per-packet one-way delay: 2.179 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 346.16 Mbit/s
95th percentile per-packet one-way delay: 3.508 ms
Loss rate: 0.20%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 19:47:39

End at: 2018-08-22 19:48:09

Local clock offset: 0.807 ms

Remote clock offset: 3.253 ms

Below is generated by plot.py at 2018-08-23 01:45:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 570.66 Mbit/s

95th percentile per-packet one-way delay: 1.730 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 261.11 Mbit/s

95th percentile per-packet one-way delay: 1.677 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 300.09 Mbit/s

95th percentile per-packet one-way delay: 1.723 ms

Loss rate: 0.09%

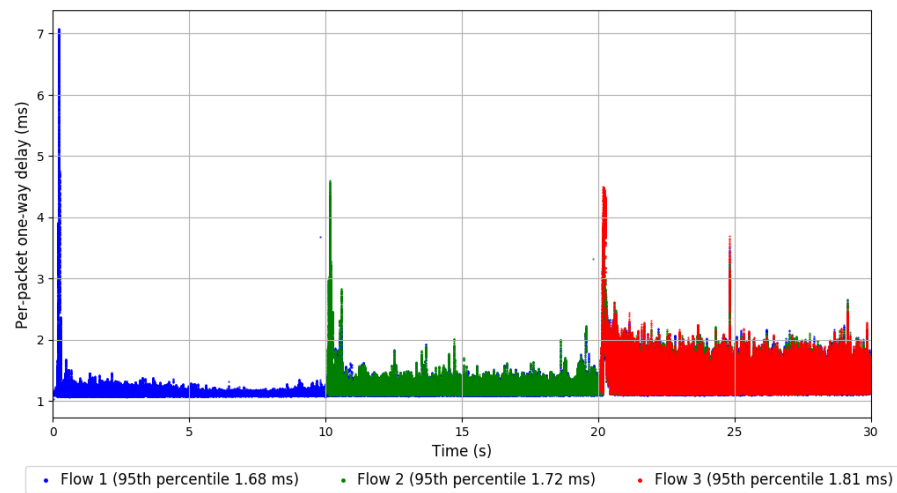
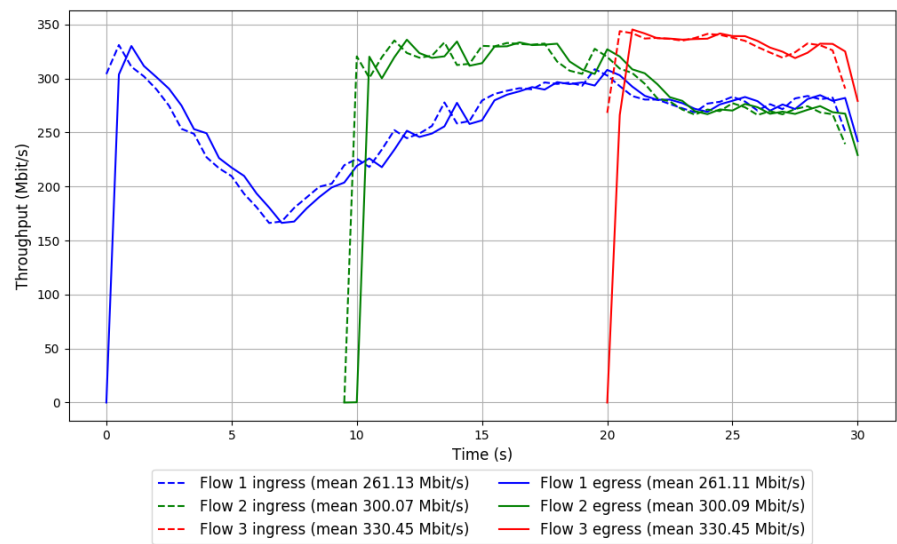
-- Flow 3:

Average throughput: 330.45 Mbit/s

95th percentile per-packet one-way delay: 1.812 ms

Loss rate: 0.19%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 20:14:35

End at: 2018-08-22 20:15:05

Local clock offset: -1.355 ms

Remote clock offset: 3.357 ms

Below is generated by plot.py at 2018-08-23 01:45:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.69 Mbit/s

95th percentile per-packet one-way delay: 1.776 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 1.487 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 278.24 Mbit/s

95th percentile per-packet one-way delay: 1.780 ms

Loss rate: 0.12%

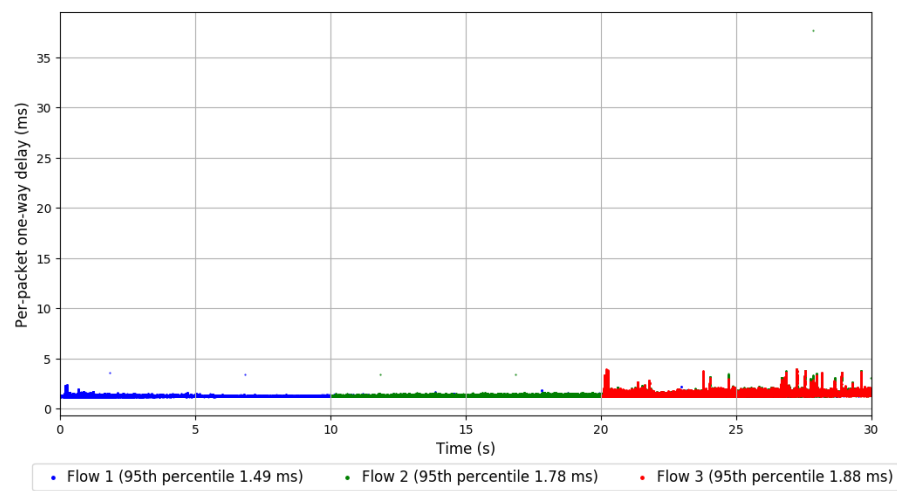
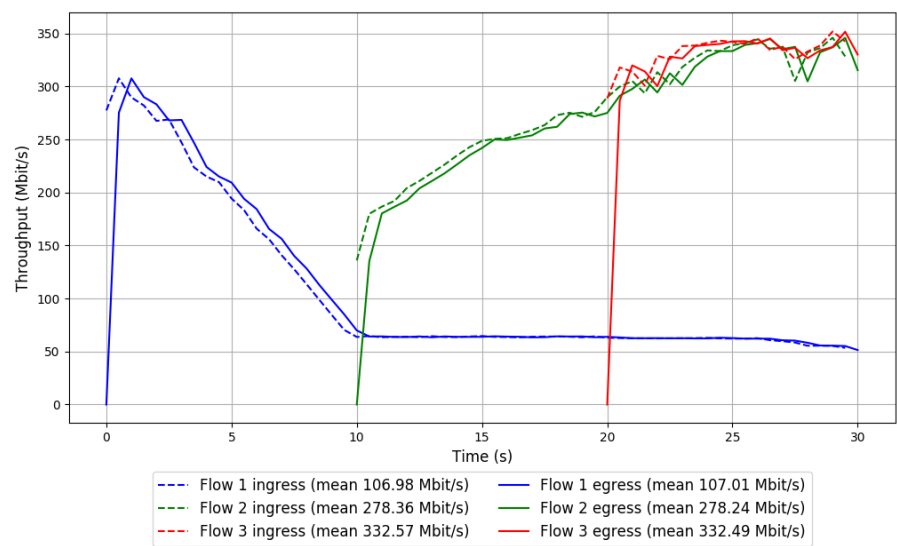
-- Flow 3:

Average throughput: 332.49 Mbit/s

95th percentile per-packet one-way delay: 1.877 ms

Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 20:41:27

End at: 2018-08-22 20:41:57

Local clock offset: -4.199 ms

Remote clock offset: 3.247 ms

Below is generated by plot.py at 2018-08-23 01:45:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.50 Mbit/s

95th percentile per-packet one-way delay: 1.614 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 104.30 Mbit/s

95th percentile per-packet one-way delay: 1.375 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 406.75 Mbit/s

95th percentile per-packet one-way delay: 1.622 ms

Loss rate: 0.09%

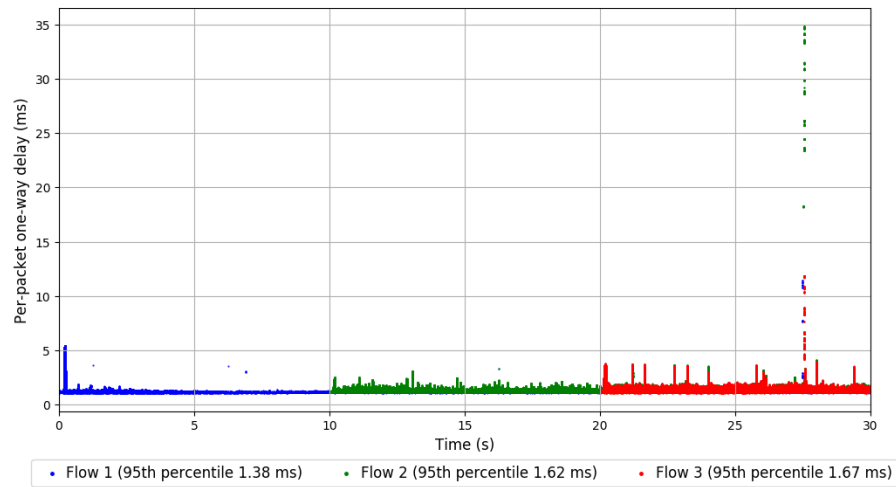
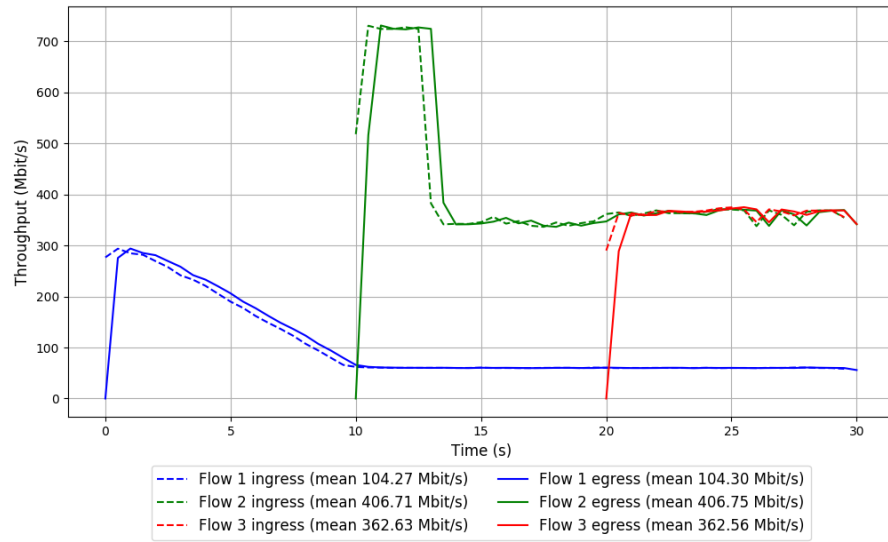
-- Flow 3:

Average throughput: 362.56 Mbit/s

95th percentile per-packet one-way delay: 1.668 ms

Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 21:08:13

End at: 2018-08-22 21:08:43

Local clock offset: -5.165 ms

Remote clock offset: 3.049 ms

Below is generated by plot.py at 2018-08-23 01:45:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 551.12 Mbit/s

95th percentile per-packet one-way delay: 2.488 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 278.45 Mbit/s

95th percentile per-packet one-way delay: 1.741 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 141.95 Mbit/s

95th percentile per-packet one-way delay: 1.599 ms

Loss rate: 0.12%

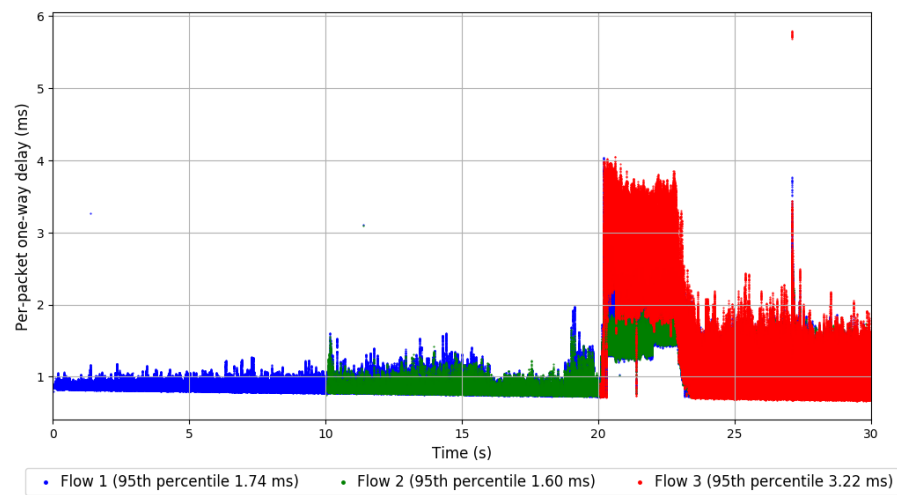
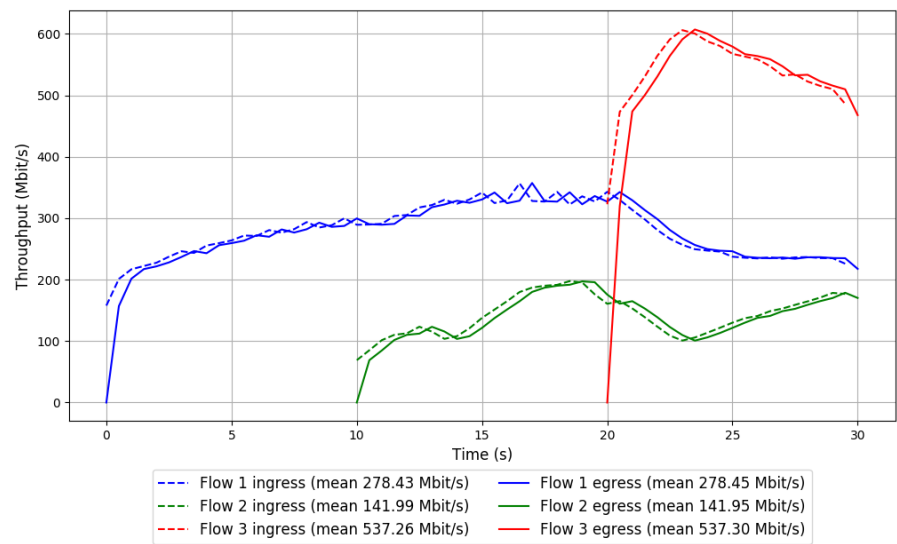
-- Flow 3:

Average throughput: 537.30 Mbit/s

95th percentile per-packet one-way delay: 3.216 ms

Loss rate: 0.18%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 21:35:06

End at: 2018-08-22 21:35:36

Local clock offset: -2.294 ms

Remote clock offset: 2.656 ms

Below is generated by plot.py at 2018-08-23 01:47:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 645.93 Mbit/s

95th percentile per-packet one-way delay: 1.734 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 342.15 Mbit/s

95th percentile per-packet one-way delay: 1.671 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 343.49 Mbit/s

95th percentile per-packet one-way delay: 1.726 ms

Loss rate: 0.10%

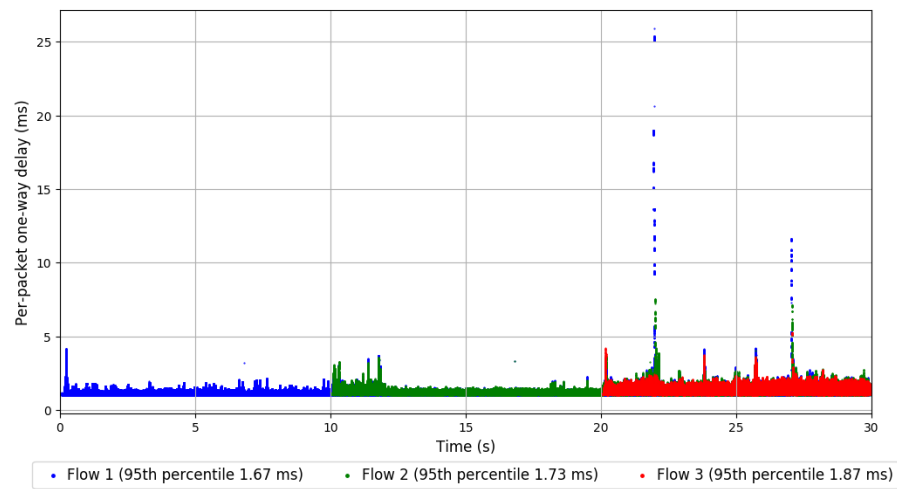
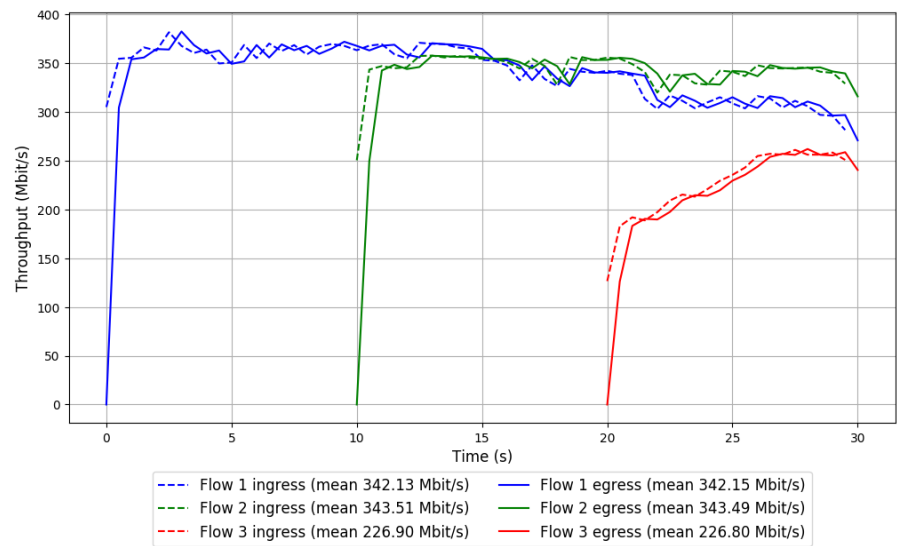
-- Flow 3:

Average throughput: 226.80 Mbit/s

95th percentile per-packet one-way delay: 1.873 ms

Loss rate: 0.25%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 22:02:07

End at: 2018-08-22 22:02:37

Local clock offset: -2.394 ms

Remote clock offset: 2.745 ms

Below is generated by plot.py at 2018-08-23 01:47:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.33 Mbit/s

95th percentile per-packet one-way delay: 1.554 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.45 Mbit/s

95th percentile per-packet one-way delay: 1.376 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 328.77 Mbit/s

95th percentile per-packet one-way delay: 1.507 ms

Loss rate: 0.10%

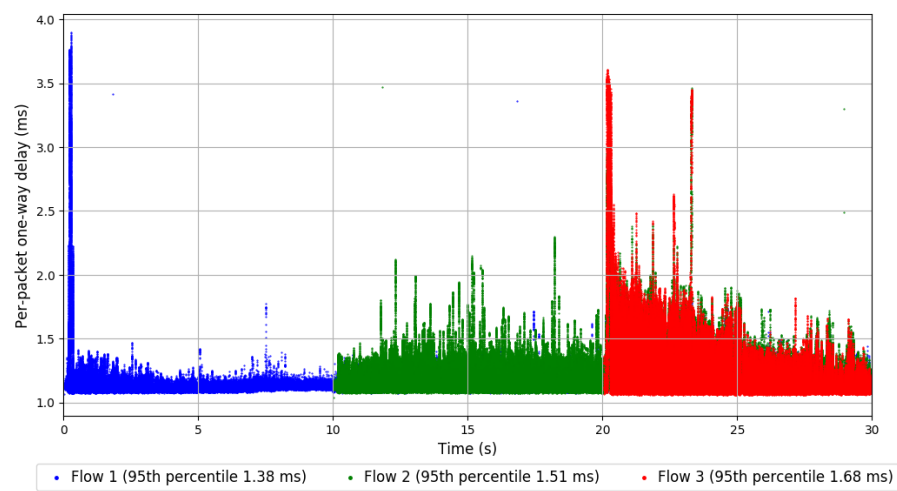
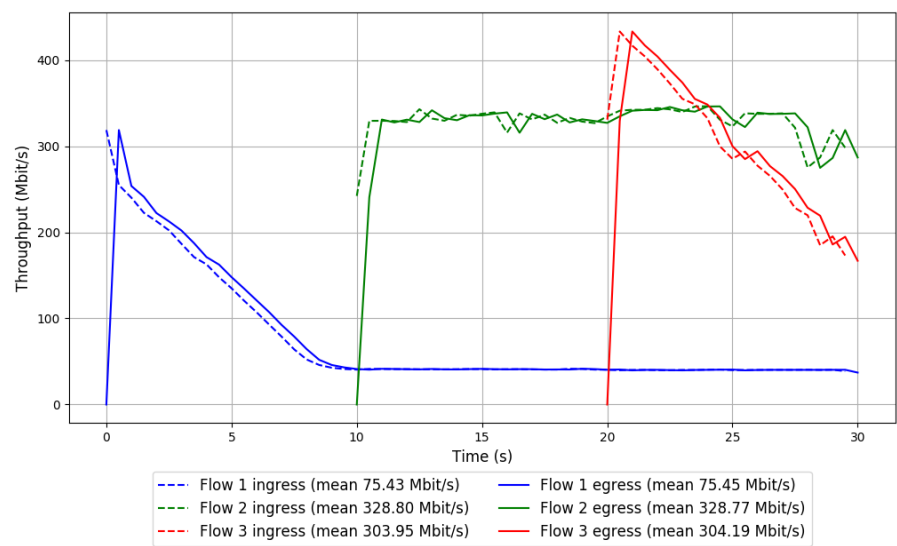
-- Flow 3:

Average throughput: 304.19 Mbit/s

95th percentile per-packet one-way delay: 1.683 ms

Loss rate: 0.11%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 22:28:56

End at: 2018-08-22 22:29:26

Local clock offset: 1.029 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-23 01:47:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.74 Mbit/s

95th percentile per-packet one-way delay: 1.461 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 247.71 Mbit/s

95th percentile per-packet one-way delay: 1.452 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 181.55 Mbit/s

95th percentile per-packet one-way delay: 1.533 ms

Loss rate: 0.05%

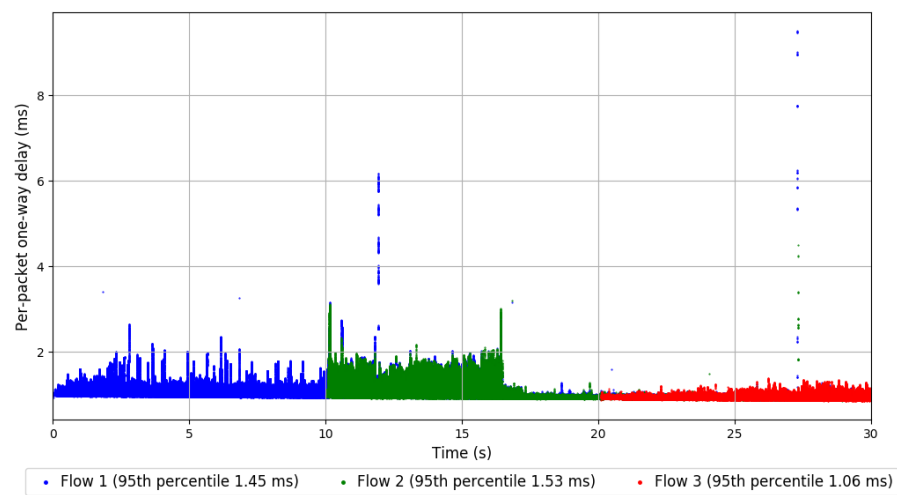
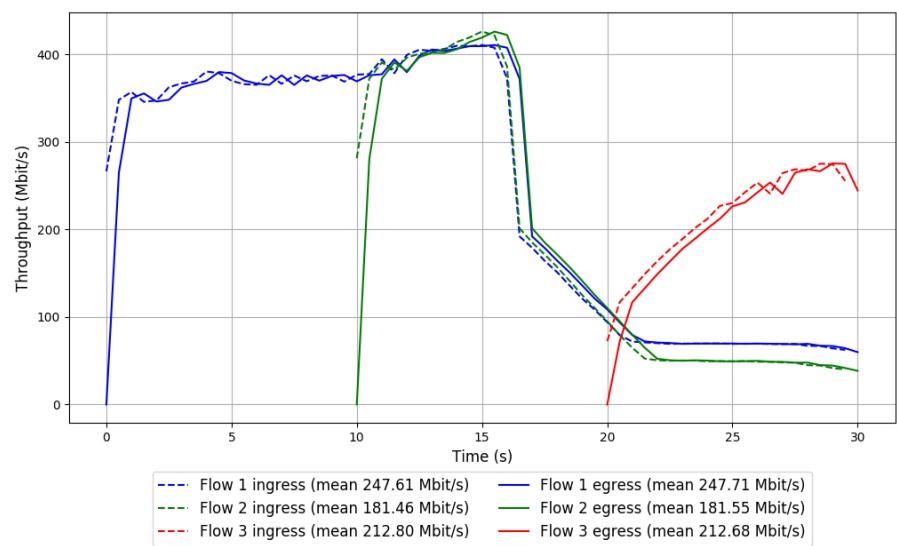
-- Flow 3:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

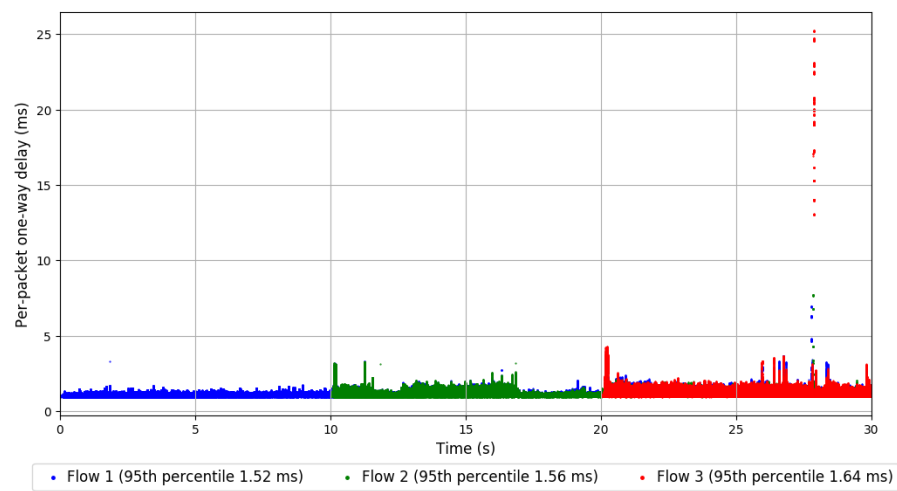
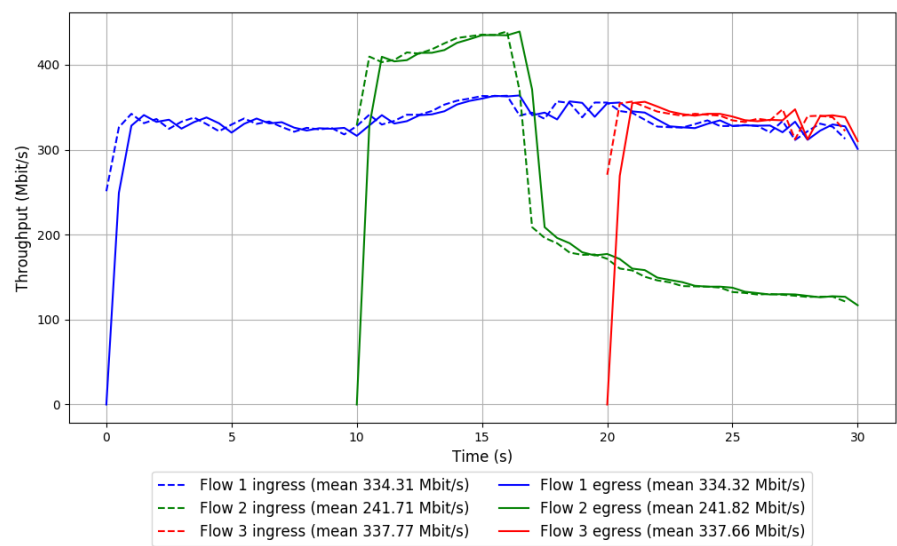


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 22:55:40
End at: 2018-08-22 22:56:10
Local clock offset: 0.698 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-08-23 01:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 607.29 Mbit/s
95th percentile per-packet one-way delay: 1.561 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 334.32 Mbit/s
95th percentile per-packet one-way delay: 1.525 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 241.82 Mbit/s
95th percentile per-packet one-way delay: 1.563 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 337.66 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.19%

Run 9: Report of TCP Vegas — Data Link

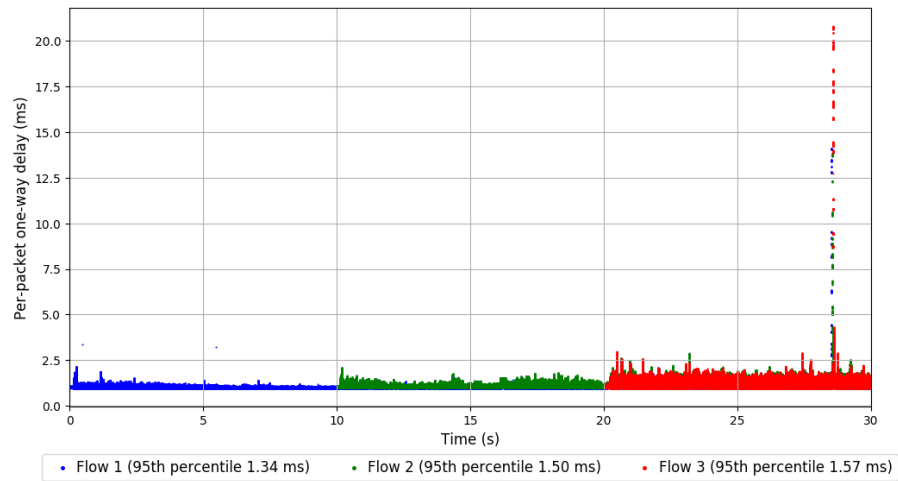
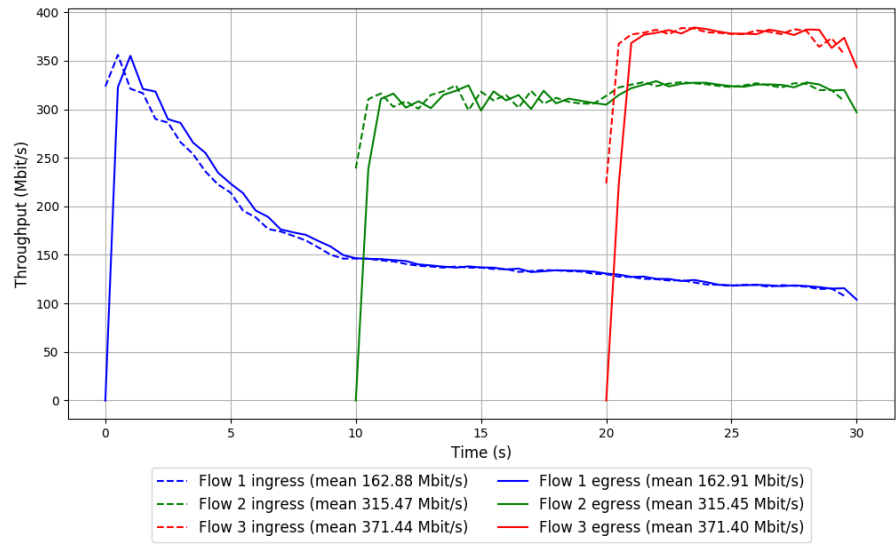


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 23:22:30
End at: 2018-08-22 23:23:00
Local clock offset: 0.607 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-08-23 01:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.88 Mbit/s
95th percentile per-packet one-way delay: 1.494 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 162.91 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 315.45 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 371.40 Mbit/s
95th percentile per-packet one-way delay: 1.573 ms
Loss rate: 0.20%

Run 10: Report of TCP Vegas — Data Link

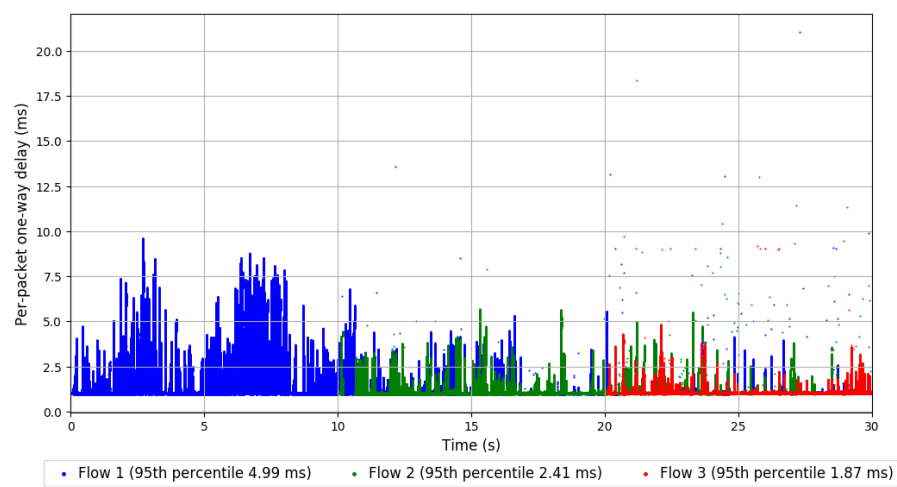
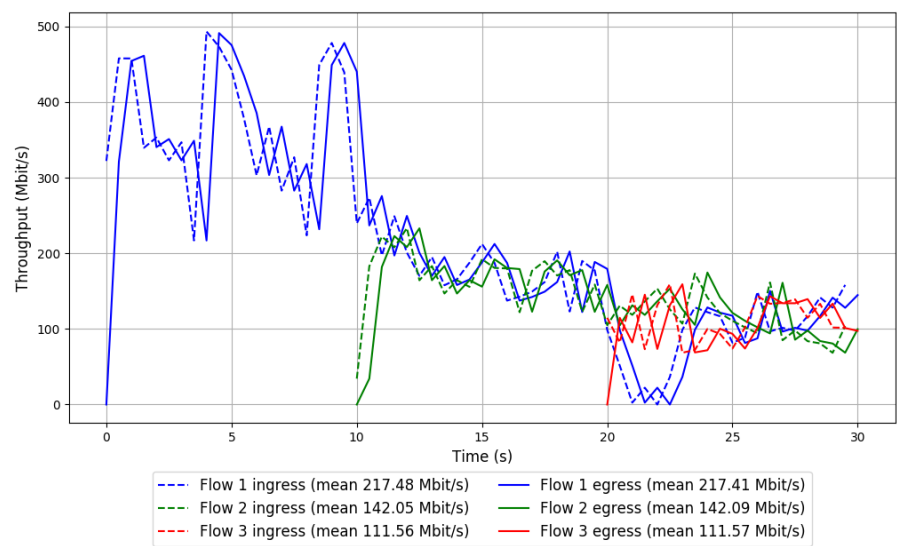


Run 1: Statistics of Verus

Start at: 2018-08-22 19:12:36
End at: 2018-08-22 19:13:06
Local clock offset: 0.48 ms
Remote clock offset: -0.586 ms

Below is generated by plot.py at 2018-08-23 01:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.91 Mbit/s
95th percentile per-packet one-way delay: 3.925 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 217.41 Mbit/s
95th percentile per-packet one-way delay: 4.993 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 142.09 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 111.57 Mbit/s
95th percentile per-packet one-way delay: 1.871 ms
Loss rate: 0.21%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-22 19:39:28

End at: 2018-08-22 19:39:58

Local clock offset: 0.61 ms

Remote clock offset: 2.352 ms

Below is generated by plot.py at 2018-08-23 01:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.24 Mbit/s

95th percentile per-packet one-way delay: 3.360 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 159.80 Mbit/s

95th percentile per-packet one-way delay: 4.338 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 137.59 Mbit/s

95th percentile per-packet one-way delay: 1.722 ms

Loss rate: 0.07%

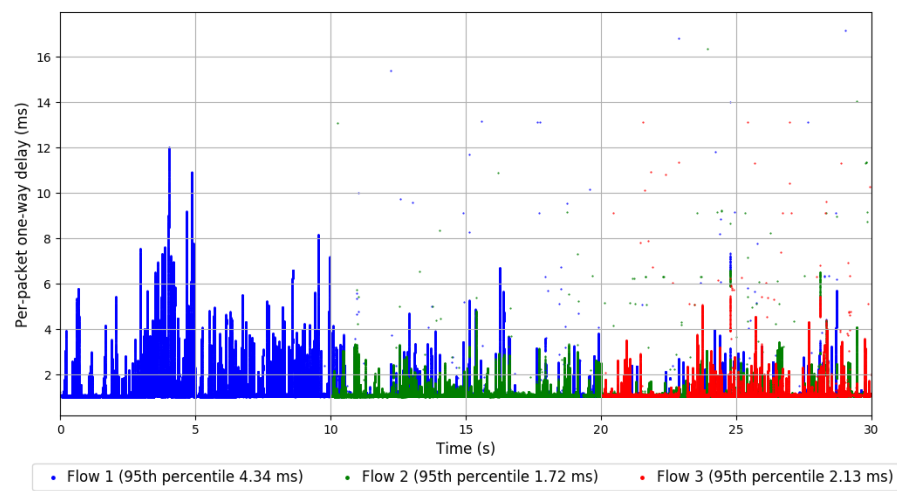
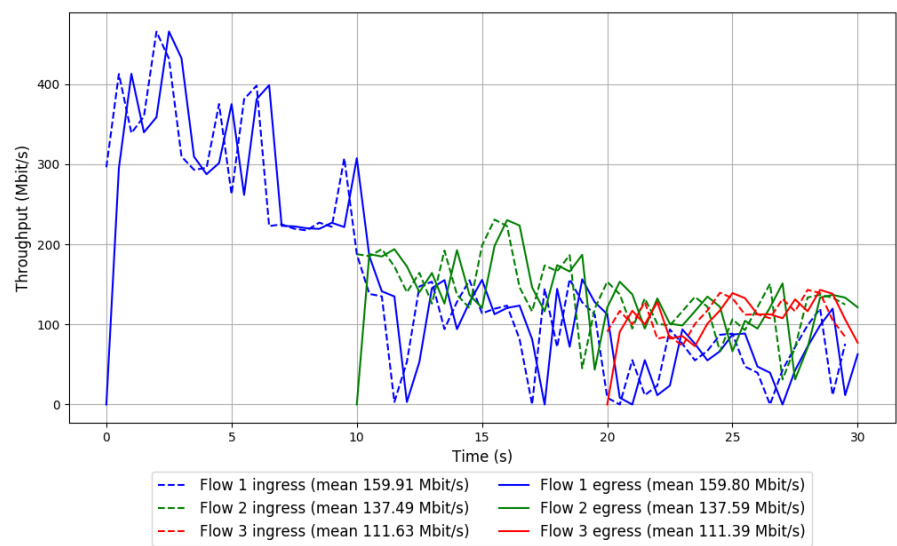
-- Flow 3:

Average throughput: 111.39 Mbit/s

95th percentile per-packet one-way delay: 2.128 ms

Loss rate: 0.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-22 20:06:27

End at: 2018-08-22 20:06:57

Local clock offset: 1.084 ms

Remote clock offset: 3.707 ms

Below is generated by plot.py at 2018-08-23 01:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.15 Mbit/s

95th percentile per-packet one-way delay: 4.470 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 183.70 Mbit/s

95th percentile per-packet one-way delay: 5.335 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 113.32 Mbit/s

95th percentile per-packet one-way delay: 2.270 ms

Loss rate: 0.04%

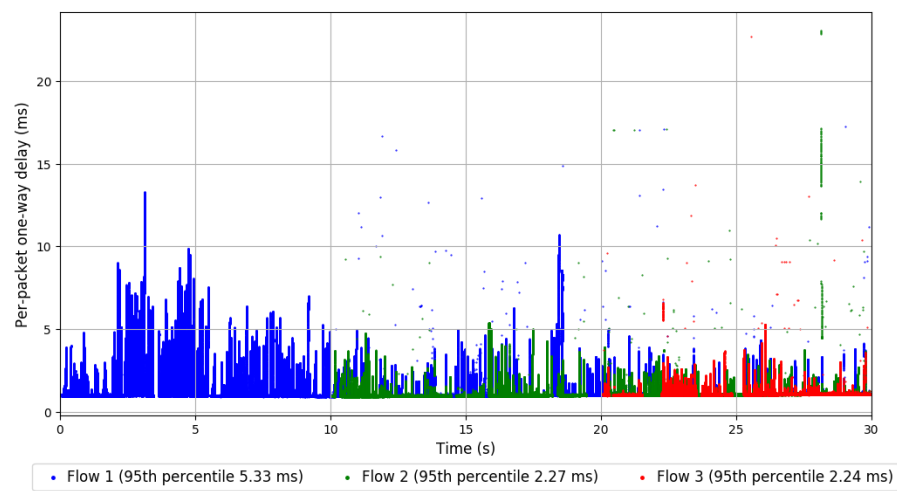
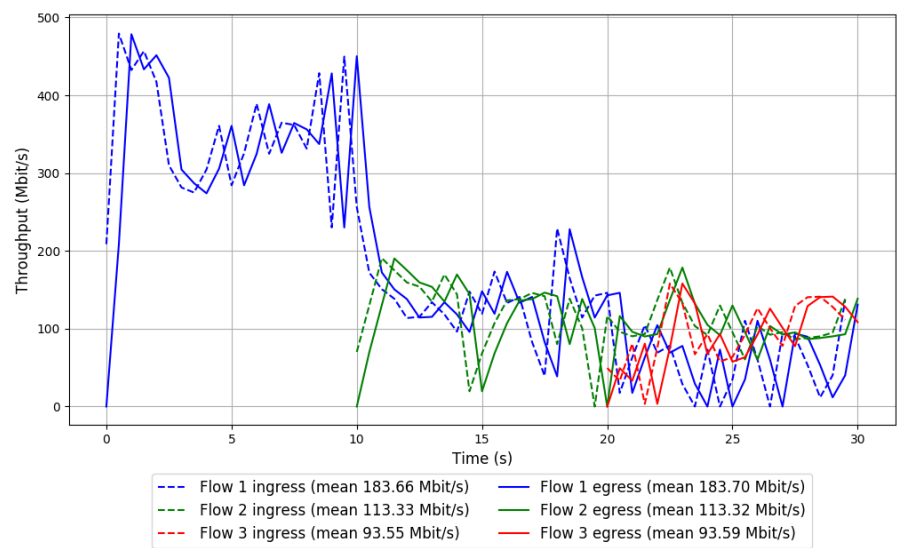
-- Flow 3:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 2.242 ms

Loss rate: 0.15%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-22 20:33:17

End at: 2018-08-22 20:33:47

Local clock offset: -3.669 ms

Remote clock offset: 3.563 ms

Below is generated by plot.py at 2018-08-23 01:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.77 Mbit/s

95th percentile per-packet one-way delay: 3.475 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 167.52 Mbit/s

95th percentile per-packet one-way delay: 4.547 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 122.86 Mbit/s

95th percentile per-packet one-way delay: 2.101 ms

Loss rate: 0.04%

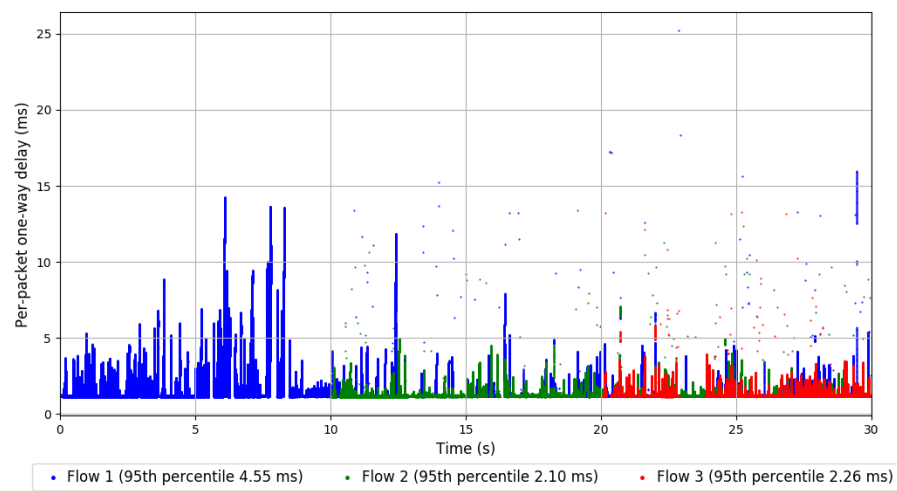
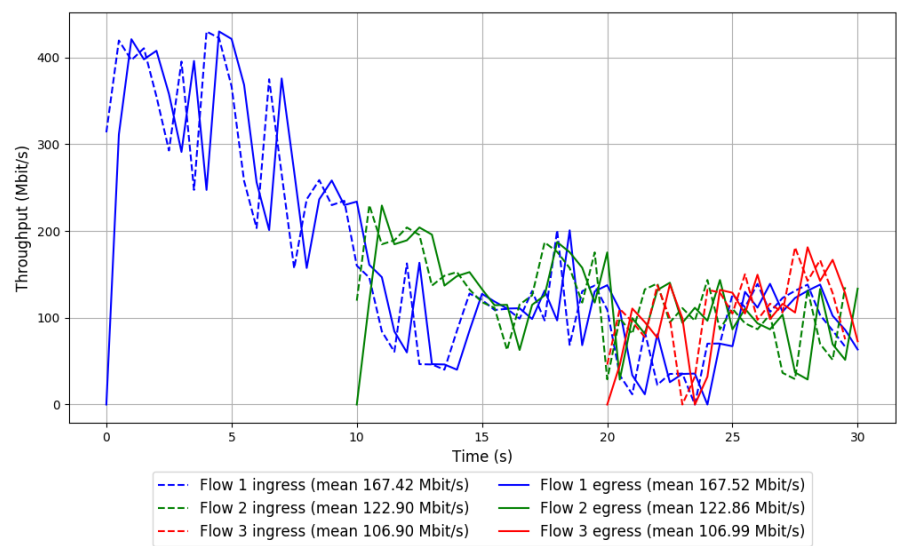
-- Flow 3:

Average throughput: 106.99 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.12%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-22 21:00:07

End at: 2018-08-22 21:00:37

Local clock offset: -5.167 ms

Remote clock offset: 3.077 ms

Below is generated by plot.py at 2018-08-23 01:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.70 Mbit/s

95th percentile per-packet one-way delay: 3.742 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 145.37 Mbit/s

95th percentile per-packet one-way delay: 4.652 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.71 Mbit/s

95th percentile per-packet one-way delay: 1.992 ms

Loss rate: 0.15%

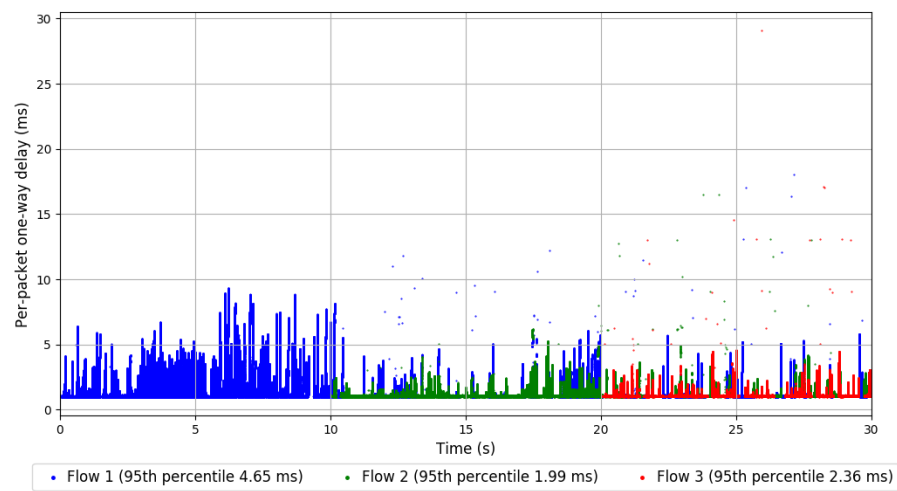
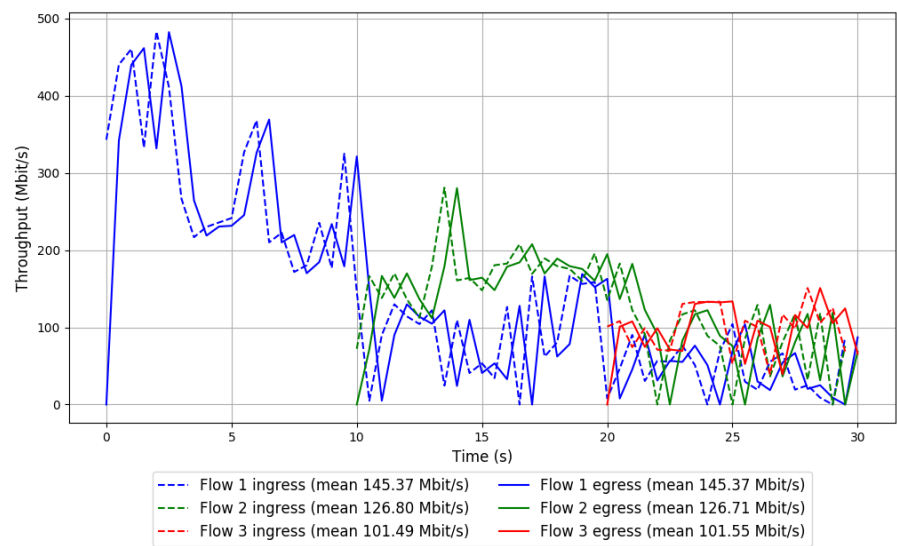
-- Flow 3:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 2.362 ms

Loss rate: 0.18%

Run 5: Report of Verus — Data Link

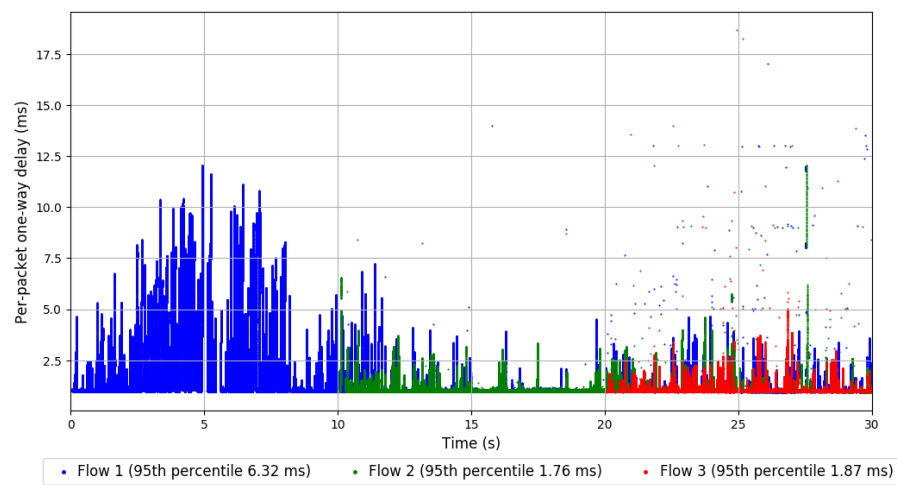
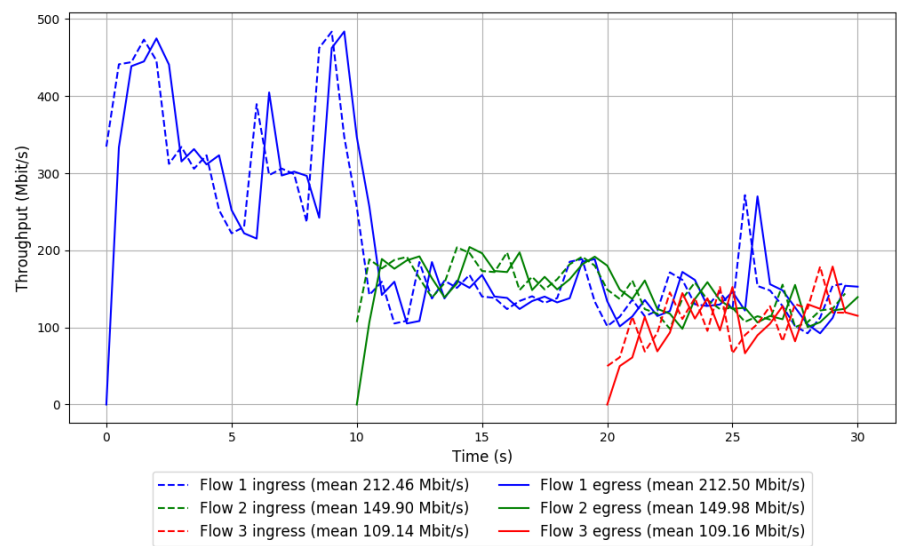


Run 6: Statistics of Verus

Start at: 2018-08-22 21:26:54
End at: 2018-08-22 21:27:24
Local clock offset: -2.556 ms
Remote clock offset: 2.709 ms

Below is generated by plot.py at 2018-08-23 01:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.48 Mbit/s
95th percentile per-packet one-way delay: 5.013 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 6.323 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 149.98 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 109.16 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.18%

Run 6: Report of Verus — Data Link

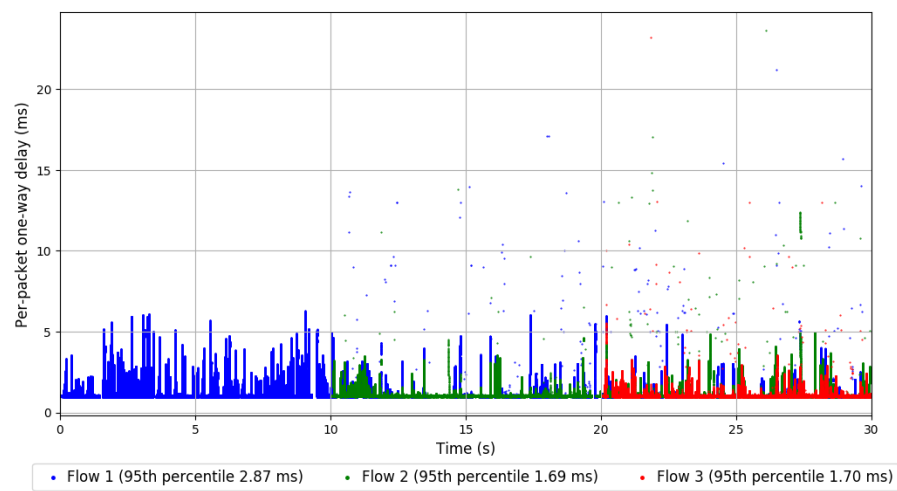
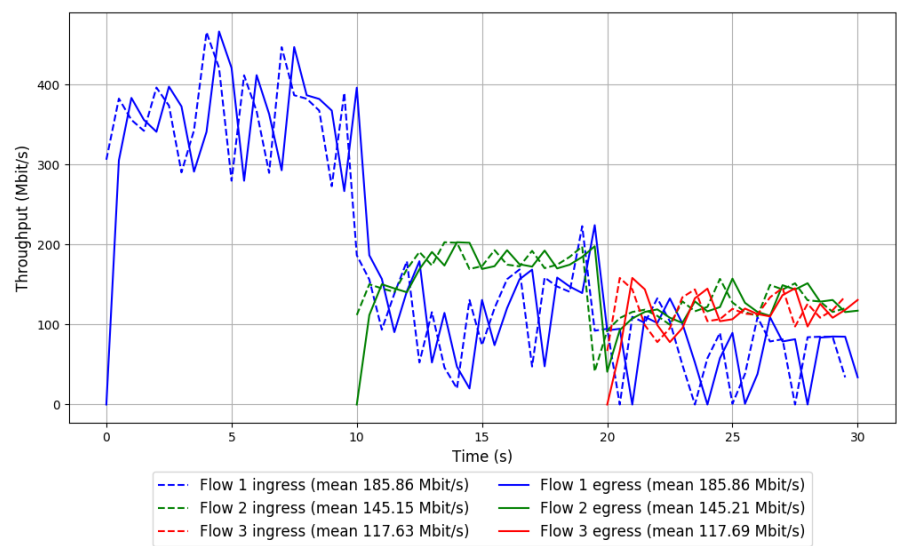


Run 7: Statistics of Verus

Start at: 2018-08-22 21:53:49
End at: 2018-08-22 21:54:19
Local clock offset: -2.493 ms
Remote clock offset: 2.697 ms

Below is generated by plot.py at 2018-08-23 01:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.20 Mbit/s
95th percentile per-packet one-way delay: 2.390 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 185.86 Mbit/s
95th percentile per-packet one-way delay: 2.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 1.685 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 117.69 Mbit/s
95th percentile per-packet one-way delay: 1.699 ms
Loss rate: 0.18%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-22 22:20:45

End at: 2018-08-22 22:21:15

Local clock offset: 0.28 ms

Remote clock offset: 2.046 ms

Below is generated by plot.py at 2018-08-23 01:53:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.56 Mbit/s

95th percentile per-packet one-way delay: 4.431 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 214.05 Mbit/s

95th percentile per-packet one-way delay: 5.314 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 152.38 Mbit/s

95th percentile per-packet one-way delay: 1.762 ms

Loss rate: 0.09%

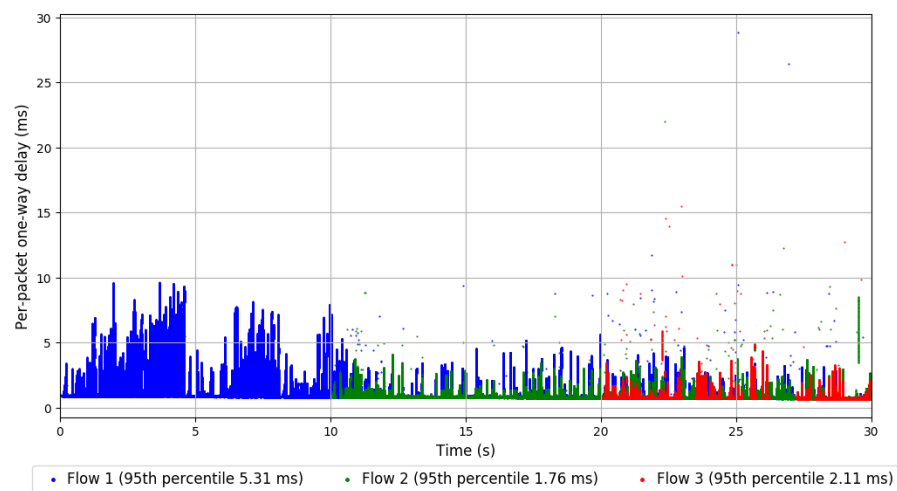
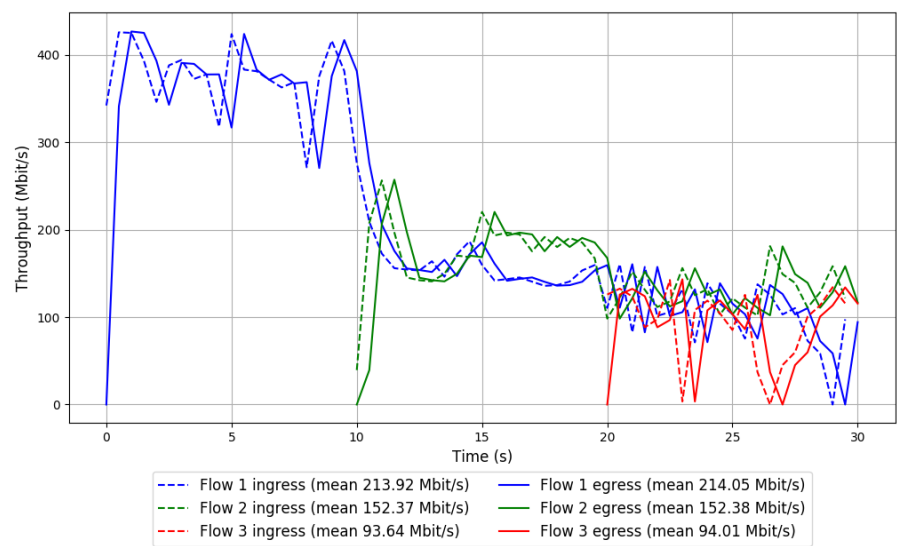
-- Flow 3:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 2.110 ms

Loss rate: 0.03%

Run 8: Report of Verus — Data Link

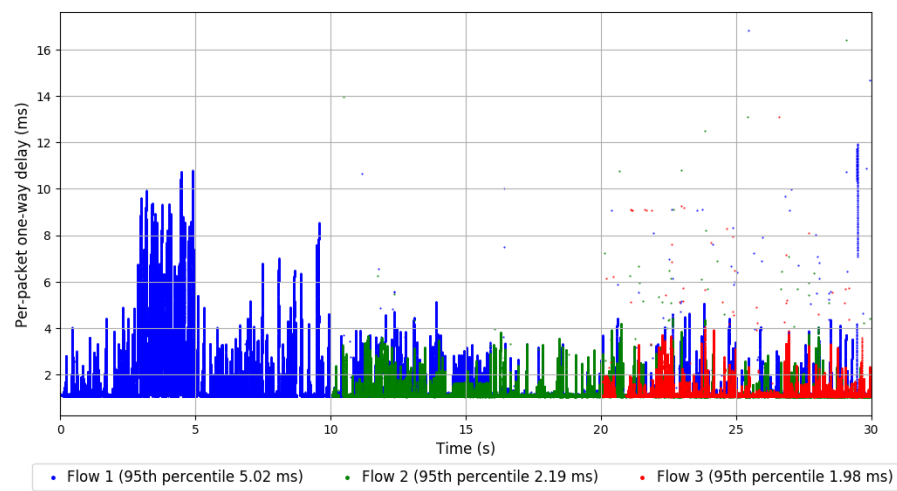
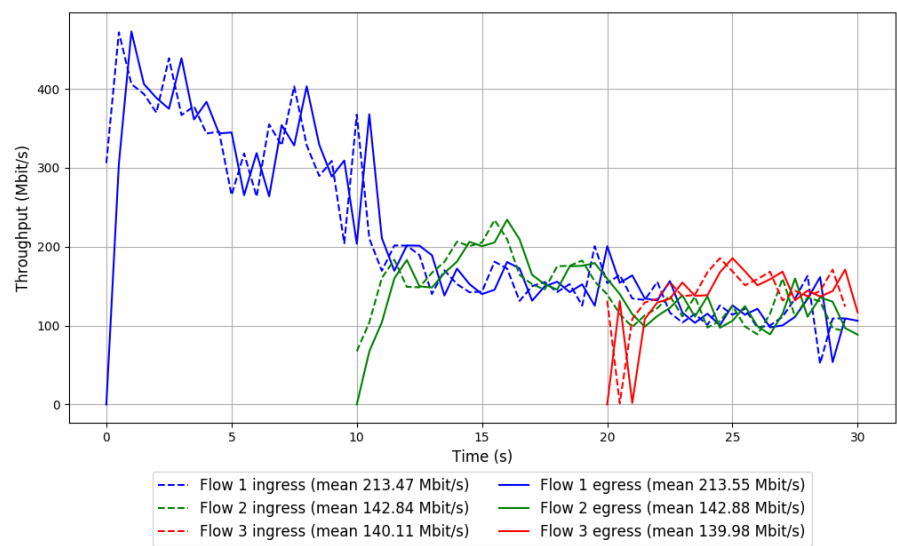


Run 9: Statistics of Verus

Start at: 2018-08-22 22:47:28
End at: 2018-08-22 22:47:58
Local clock offset: 0.837 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2018-08-23 01:53:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.04 Mbit/s
95th percentile per-packet one-way delay: 3.683 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 213.55 Mbit/s
95th percentile per-packet one-way delay: 5.021 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 142.88 Mbit/s
95th percentile per-packet one-way delay: 2.194 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 139.98 Mbit/s
95th percentile per-packet one-way delay: 1.978 ms
Loss rate: 0.27%

Run 9: Report of Verus — Data Link

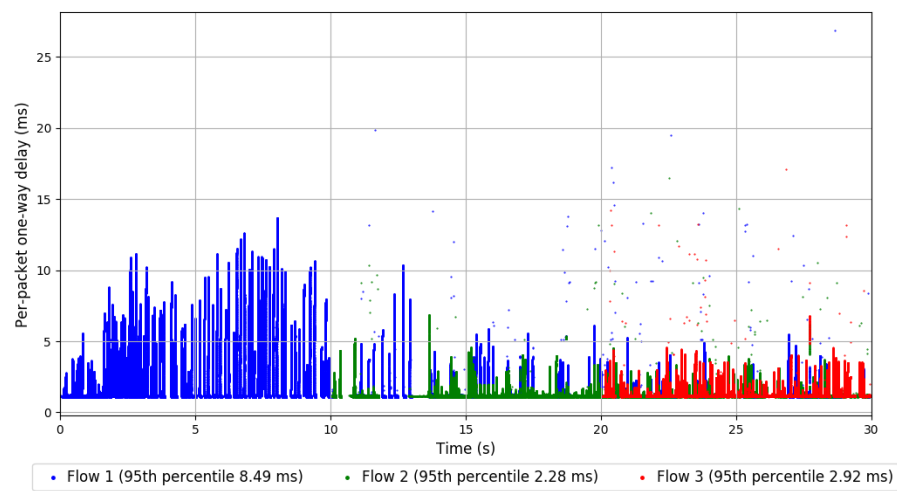
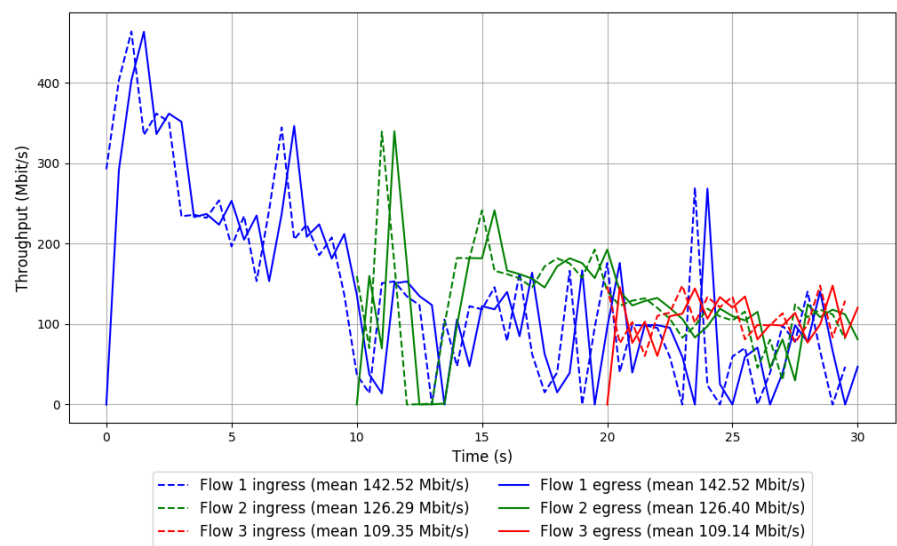


Run 10: Statistics of Verus

Start at: 2018-08-22 23:14:26
End at: 2018-08-22 23:14:56
Local clock offset: 0.681 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-23 01:53:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.69 Mbit/s
95th percentile per-packet one-way delay: 6.836 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 8.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.40 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 109.14 Mbit/s
95th percentile per-packet one-way delay: 2.919 ms
Loss rate: 0.40%

Run 10: Report of Verus — Data Link

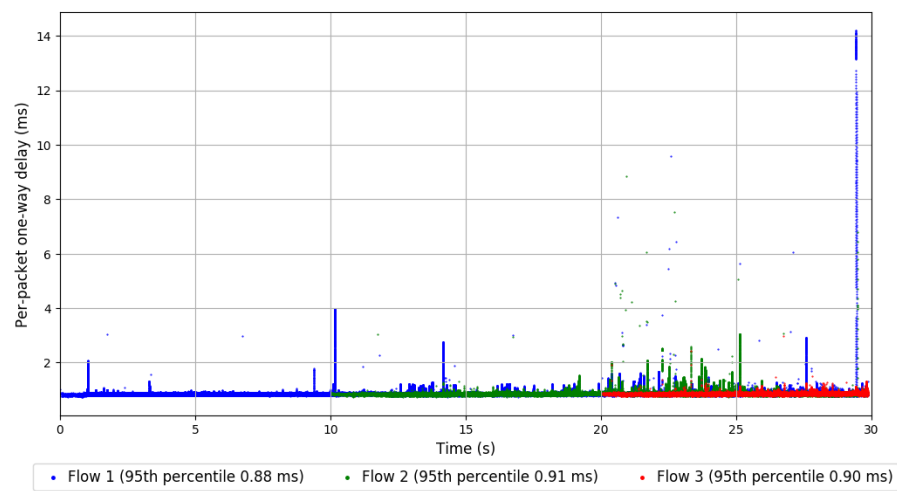
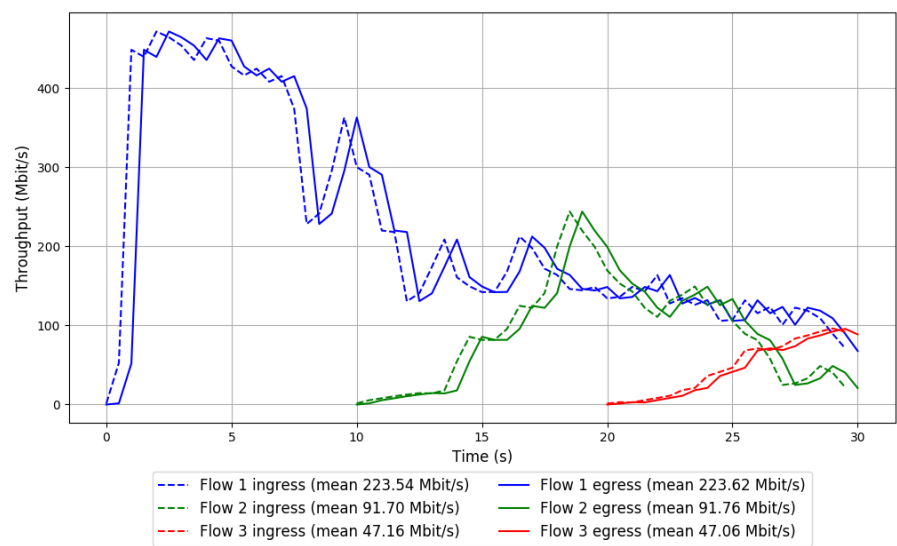


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 19:04:59
End at: 2018-08-22 19:05:29
Local clock offset: 0.577 ms
Remote clock offset: -0.705 ms

Below is generated by plot.py at 2018-08-23 01:54:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.07 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 223.62 Mbit/s
95th percentile per-packet one-way delay: 0.877 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 47.06 Mbit/s
95th percentile per-packet one-way delay: 0.901 ms
Loss rate: 0.40%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 19:31:50

End at: 2018-08-22 19:32:20

Local clock offset: 0.528 ms

Remote clock offset: 0.976 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.97 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 210.68 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 0.07%

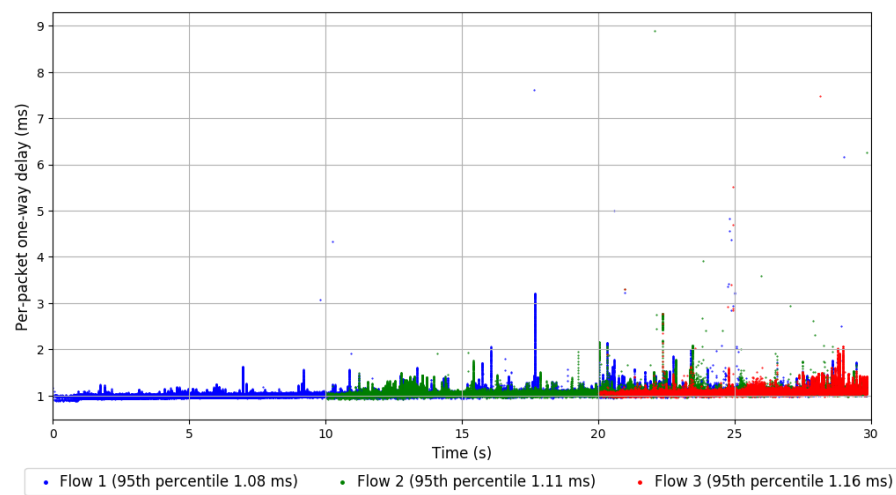
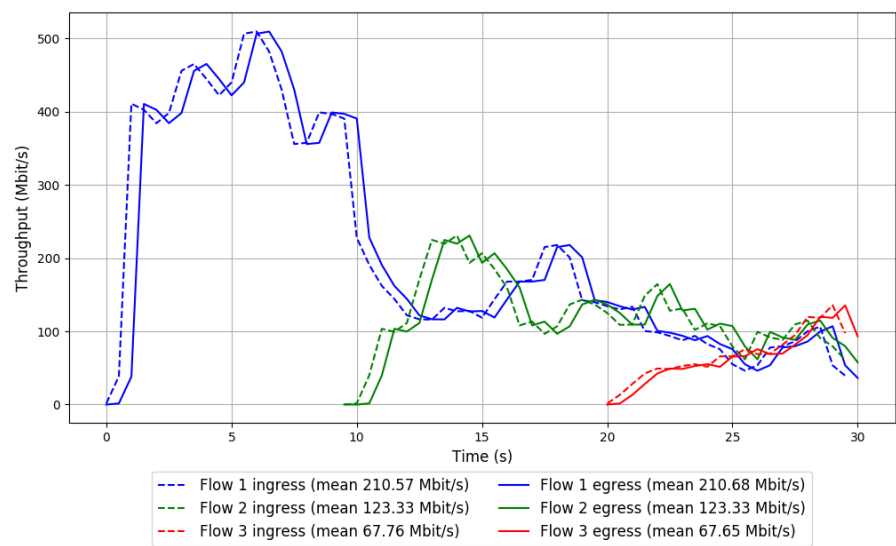
-- Flow 3:

Average throughput: 67.65 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.36%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 19:58:47

End at: 2018-08-22 19:59:17

Local clock offset: 1.006 ms

Remote clock offset: 4.101 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.86 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 220.99 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 106.33 Mbit/s

95th percentile per-packet one-way delay: 1.025 ms

Loss rate: 0.08%

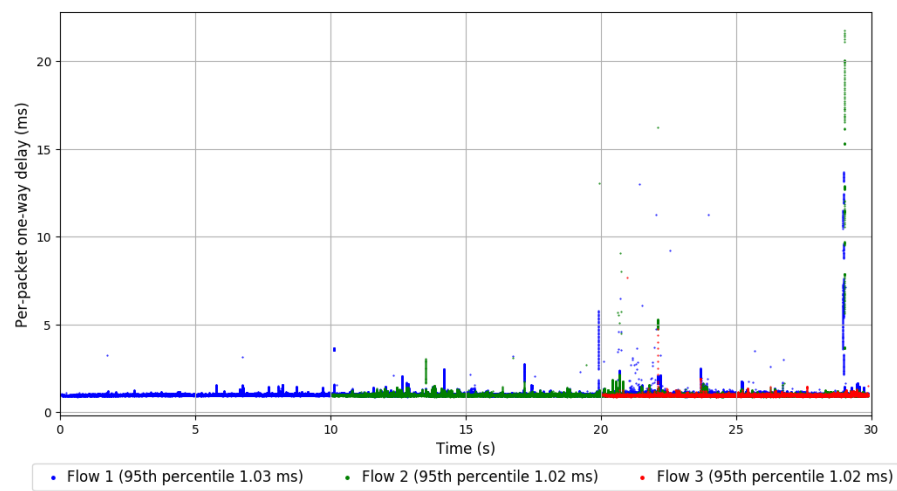
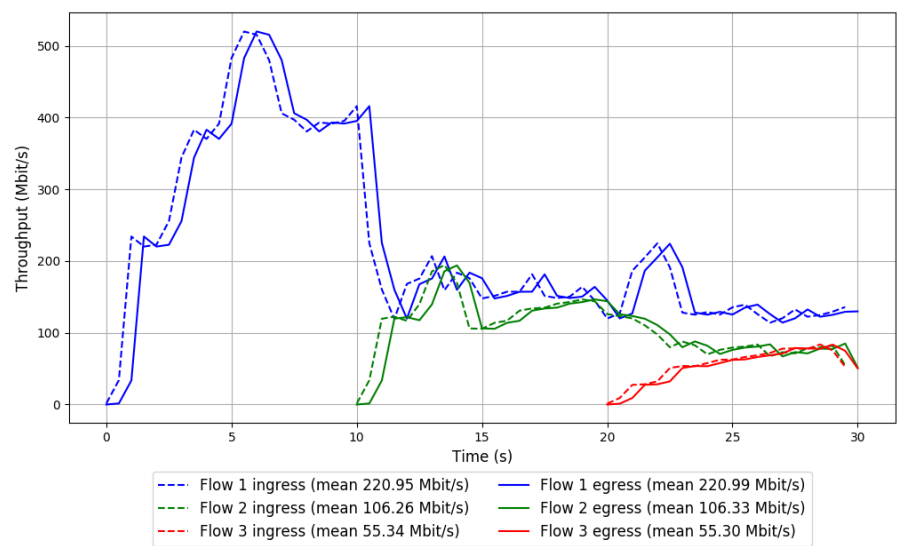
-- Flow 3:

Average throughput: 55.30 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.27%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 20:25:36

End at: 2018-08-22 20:26:06

Local clock offset: -3.056 ms

Remote clock offset: 3.509 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.51 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 215.59 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 130.17 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.06%

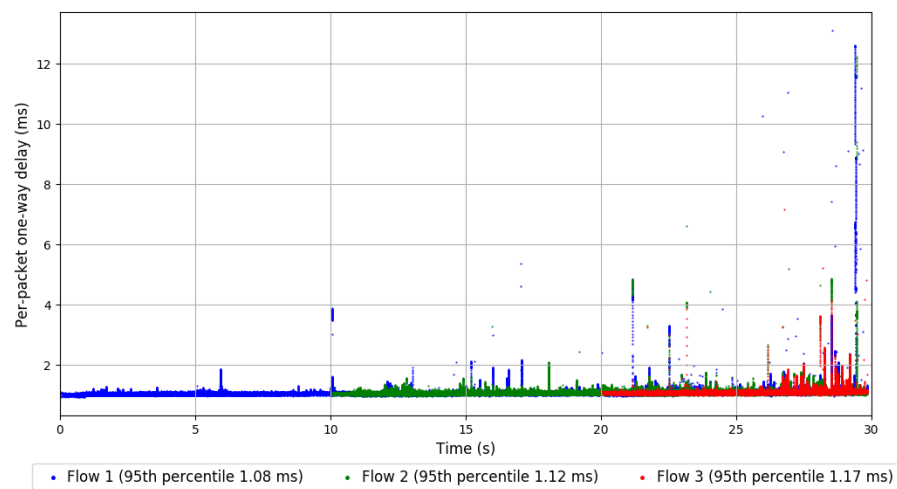
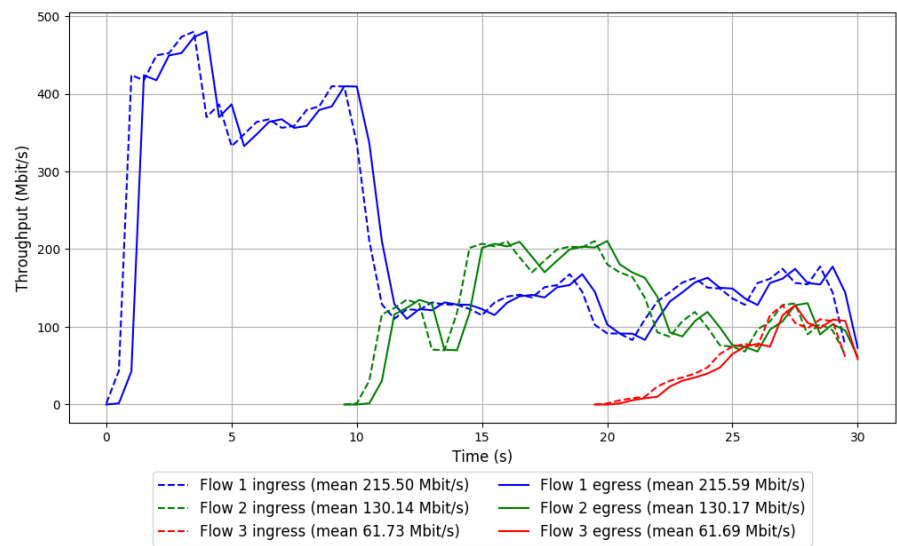
-- Flow 3:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 1.172 ms

Loss rate: 0.26%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 20:52:31

End at: 2018-08-22 20:53:01

Local clock offset: -4.867 ms

Remote clock offset: 3.092 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.86 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 199.59 Mbit/s

95th percentile per-packet one-way delay: 0.974 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 0.981 ms

Loss rate: 0.21%

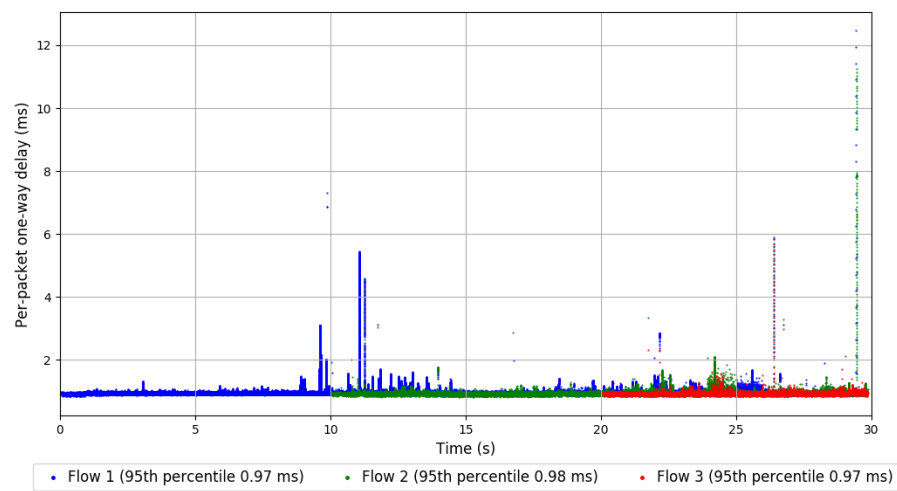
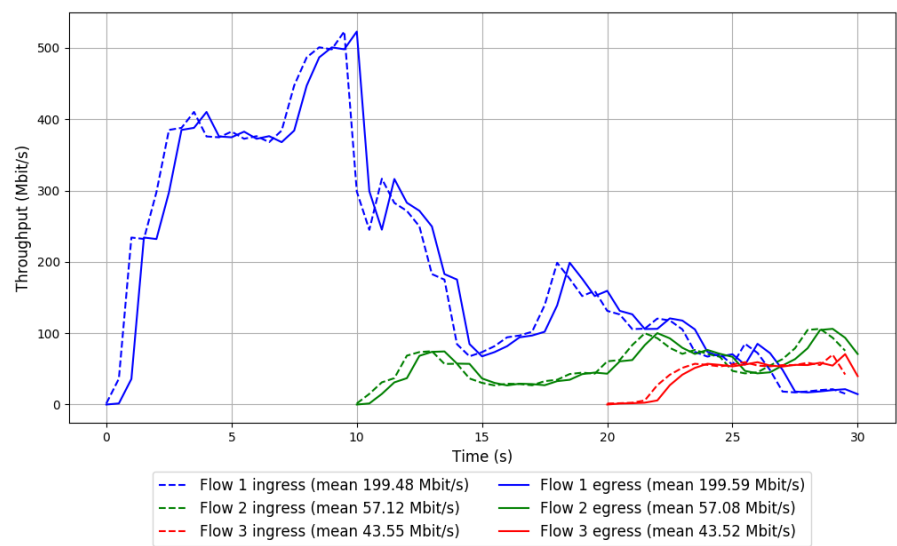
-- Flow 3:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.28%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 21:19:17

End at: 2018-08-22 21:19:47

Local clock offset: -3.168 ms

Remote clock offset: 2.825 ms

Below is generated by plot.py at 2018-08-23 01:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.06 Mbit/s

95th percentile per-packet one-way delay: 0.868 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 207.50 Mbit/s

95th percentile per-packet one-way delay: 0.869 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 64.70 Mbit/s

95th percentile per-packet one-way delay: 0.868 ms

Loss rate: 0.13%

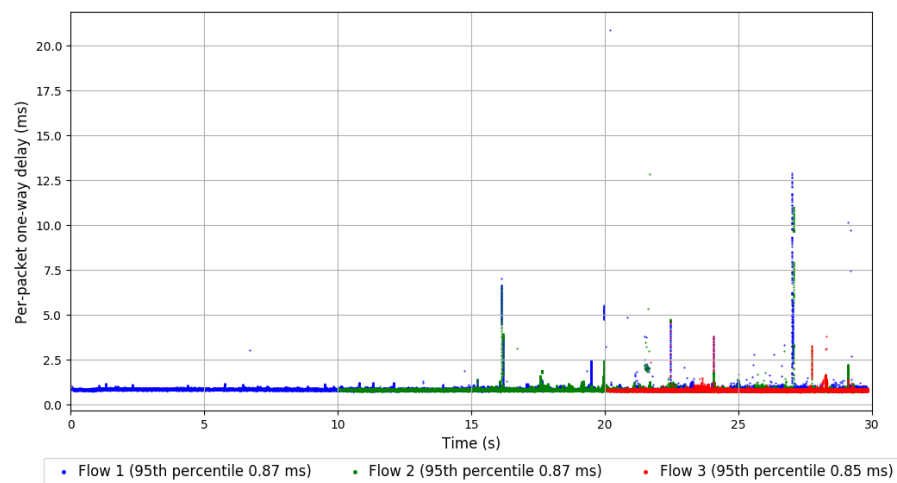
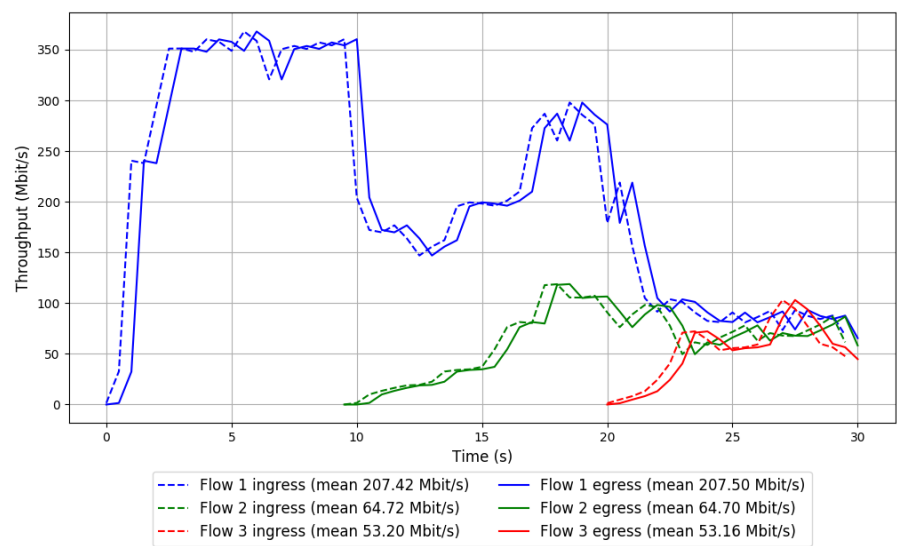
-- Flow 3:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 0.850 ms

Loss rate: 0.28%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 21:46:12

End at: 2018-08-22 21:46:42

Local clock offset: -2.378 ms

Remote clock offset: 2.739 ms

Below is generated by plot.py at 2018-08-23 01:56:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.55 Mbit/s

95th percentile per-packet one-way delay: 1.031 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 195.89 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.07%

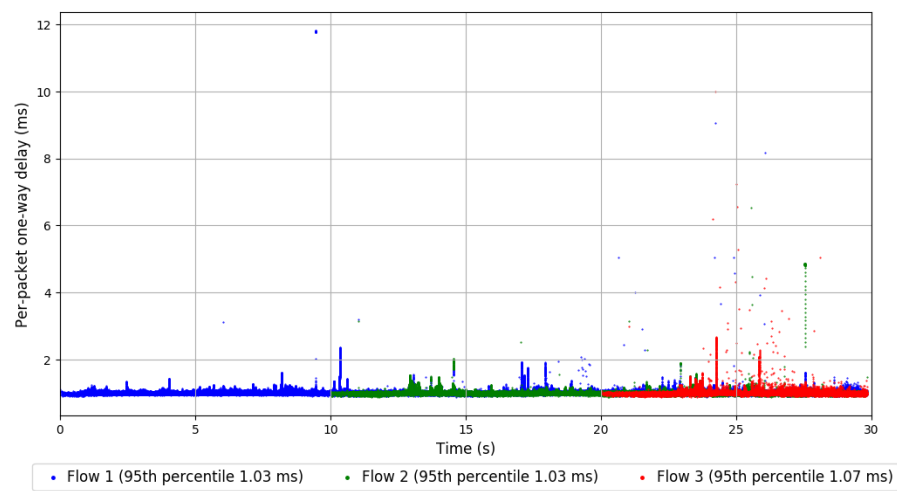
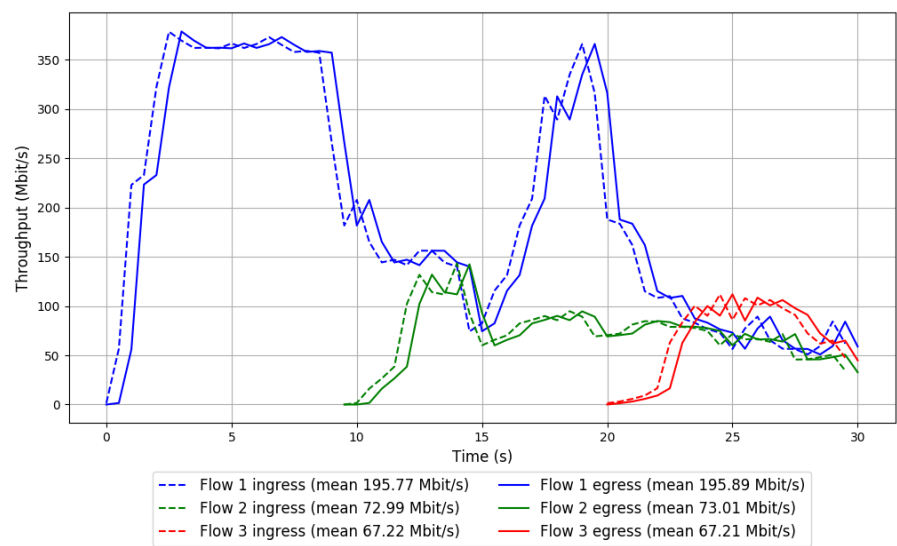
-- Flow 3:

Average throughput: 67.21 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.22%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 22:13:05

End at: 2018-08-22 22:13:35

Local clock offset: -0.895 ms

Remote clock offset: 2.881 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.21 Mbit/s

95th percentile per-packet one-way delay: 0.734 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 202.39 Mbit/s

95th percentile per-packet one-way delay: 0.735 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 108.54 Mbit/s

95th percentile per-packet one-way delay: 0.728 ms

Loss rate: 0.09%

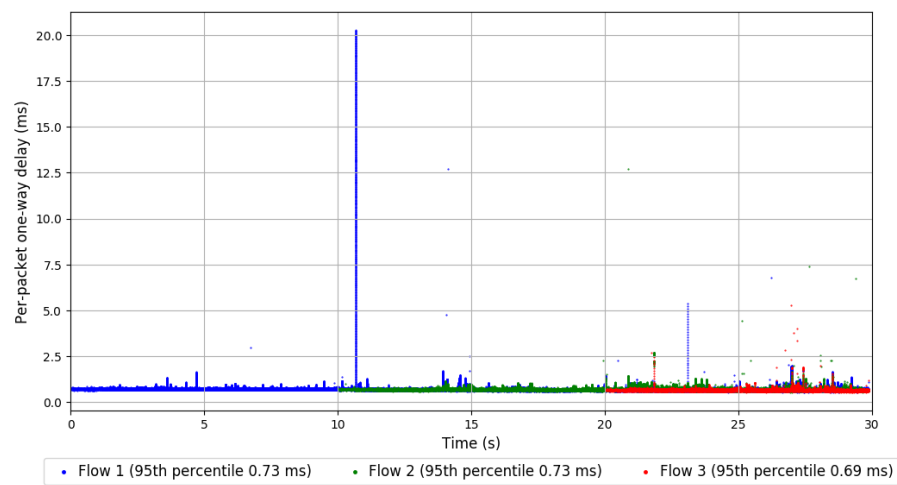
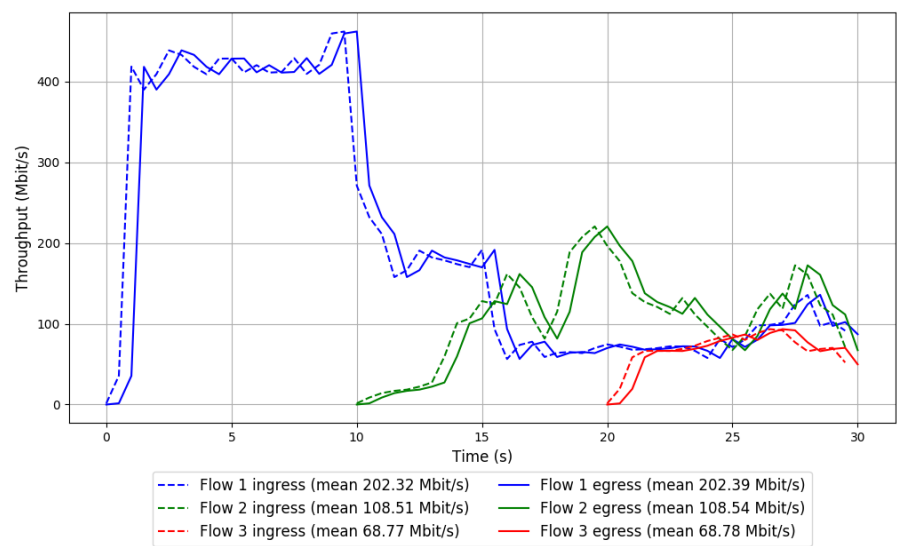
-- Flow 3:

Average throughput: 68.78 Mbit/s

95th percentile per-packet one-way delay: 0.690 ms

Loss rate: 0.17%

Run 8: Report of PCC-Vivace — Data Link

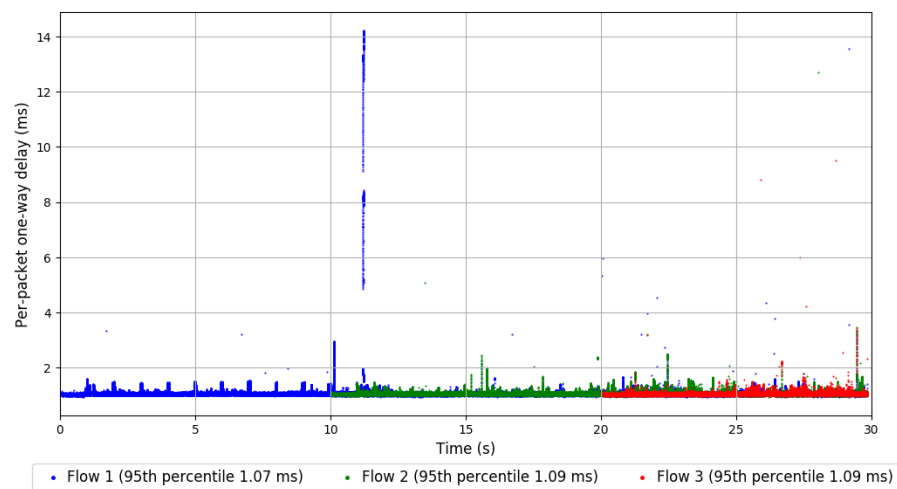
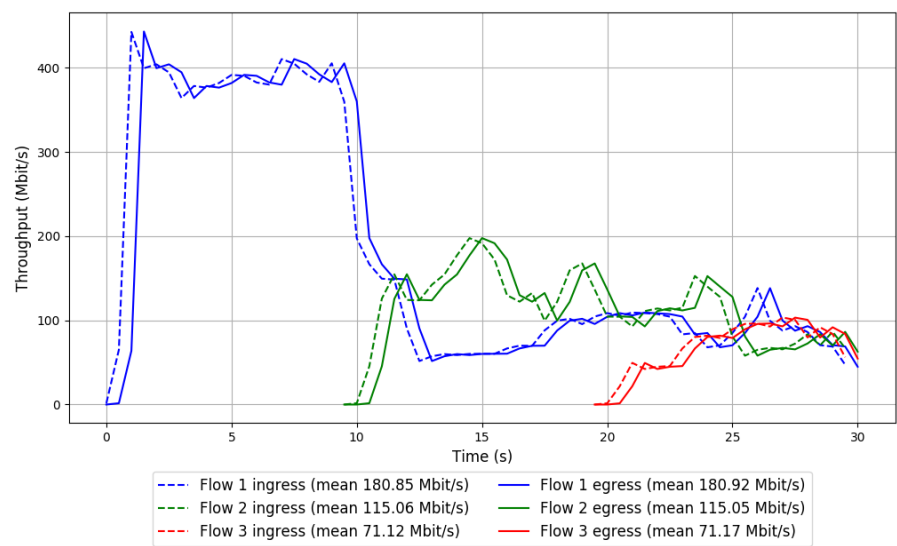


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 22:39:54
End at: 2018-08-22 22:40:24
Local clock offset: 1.234 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2018-08-23 01:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.94 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 180.92 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 115.05 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.11%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 23:06:49

End at: 2018-08-22 23:07:19

Local clock offset: 0.901 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.14 Mbit/s

95th percentile per-packet one-way delay: 1.022 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 195.16 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 68.06 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.08%

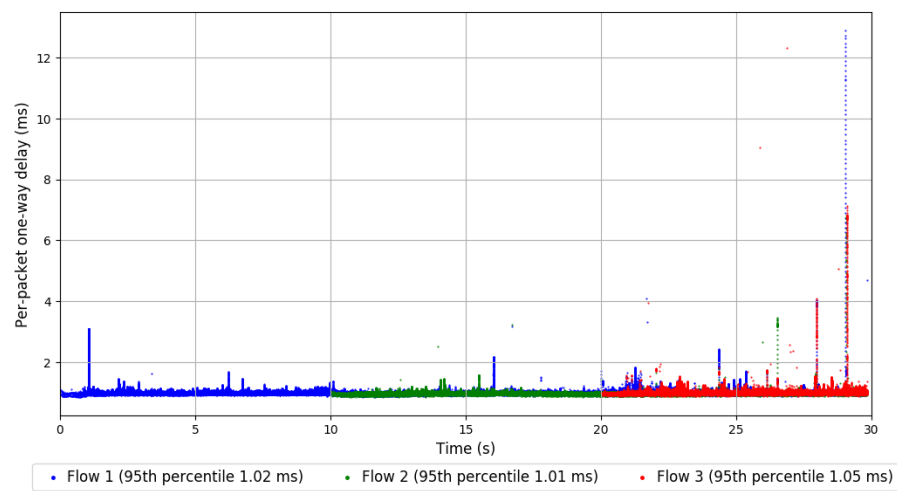
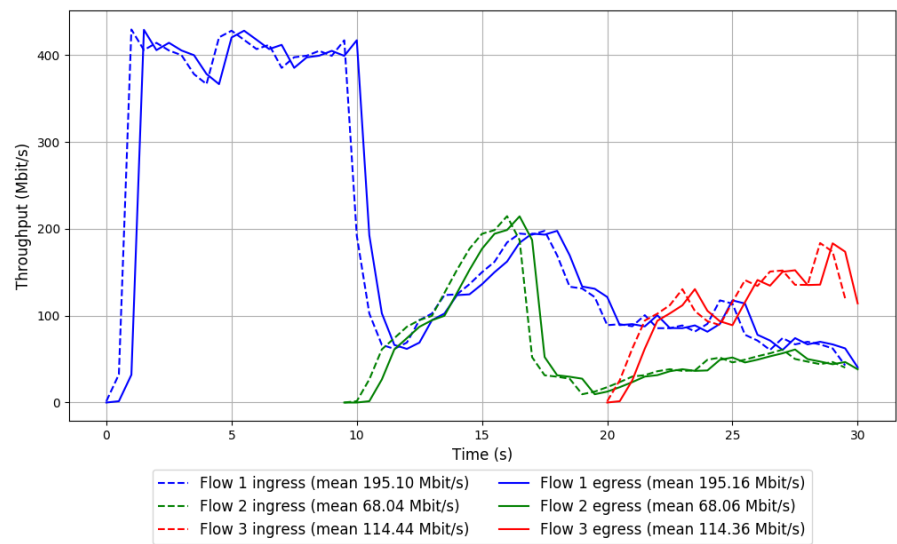
-- Flow 3:

Average throughput: 114.36 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.26%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-22 19:09:58

End at: 2018-08-22 19:10:28

Local clock offset: 0.621 ms

Remote clock offset: -0.66 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

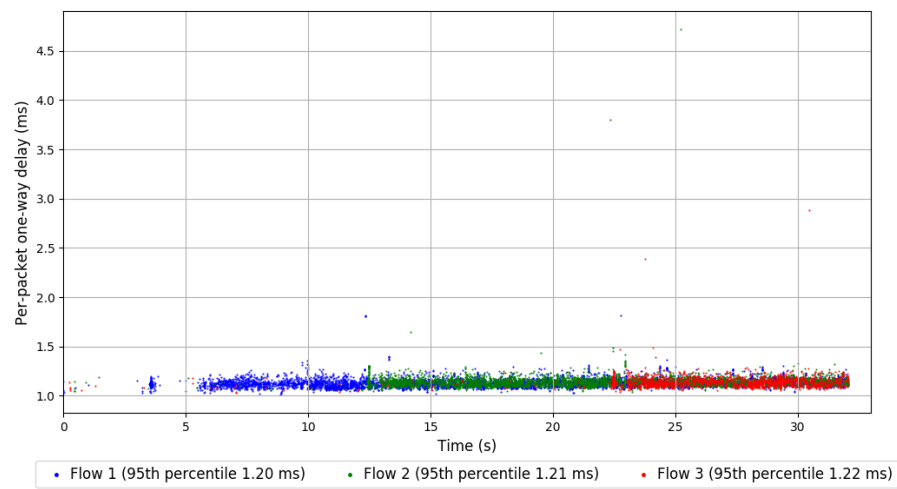
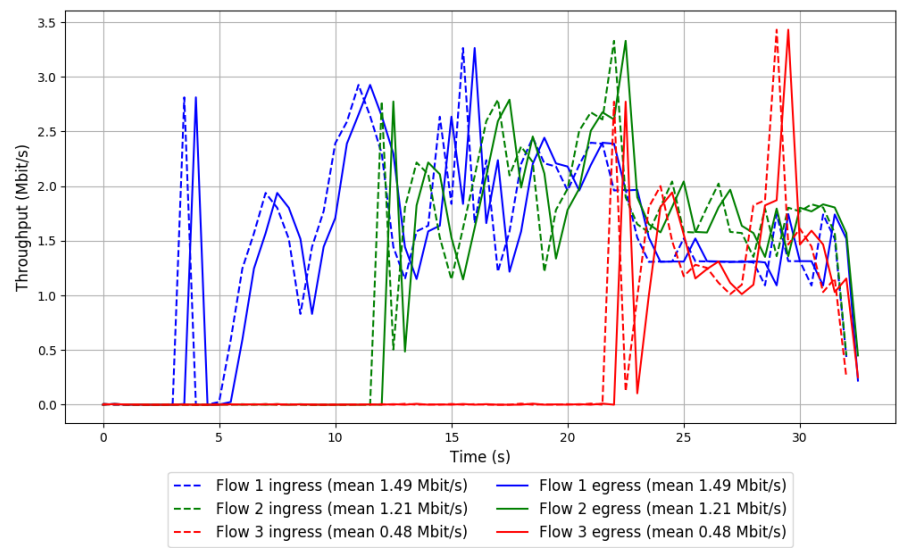
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-22 19:36:50

End at: 2018-08-22 19:37:20

Local clock offset: 0.573 ms

Remote clock offset: 2.034 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.00%

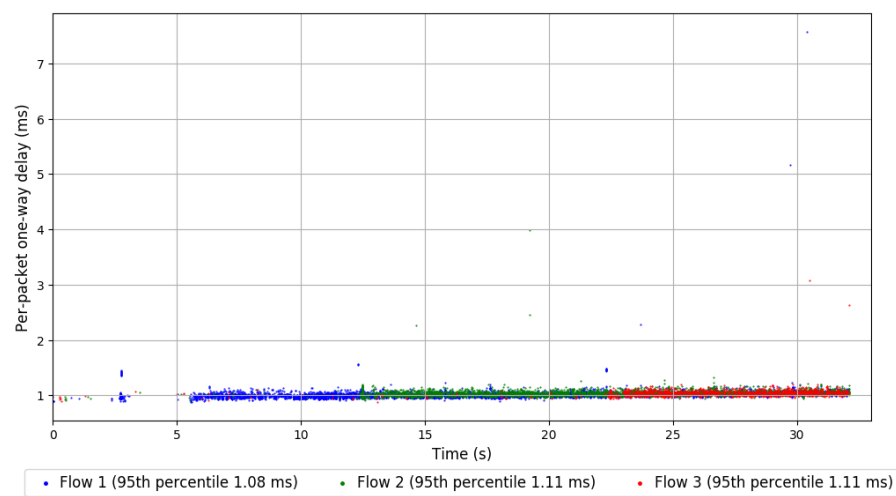
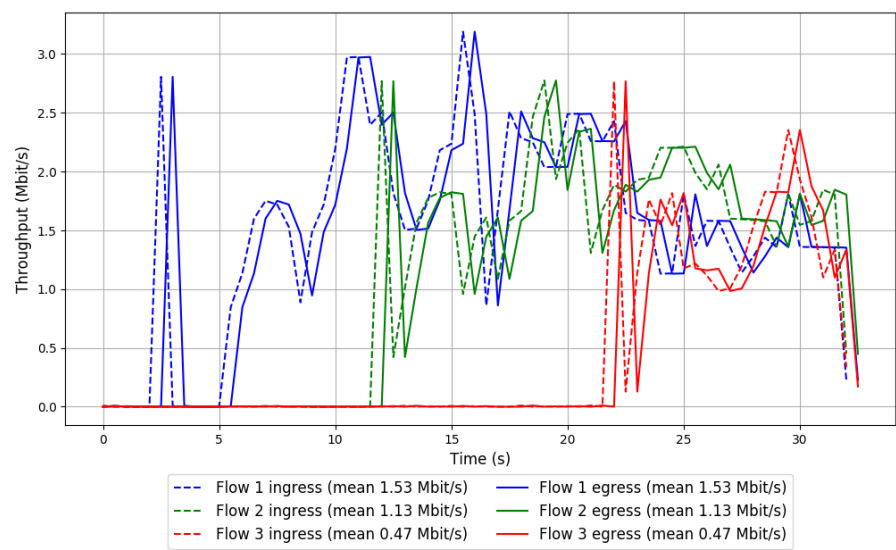
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.55%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-22 20:03:49

End at: 2018-08-22 20:04:19

Local clock offset: 1.043 ms

Remote clock offset: 3.939 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 1.045 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.29%

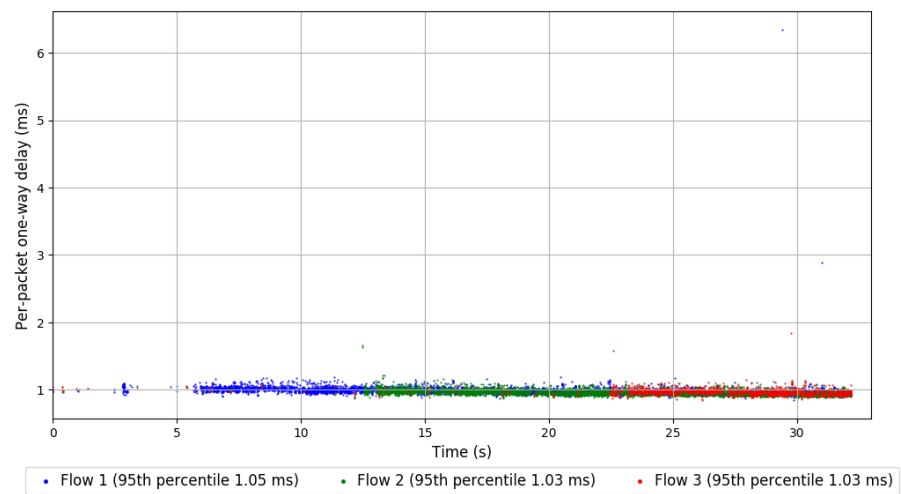
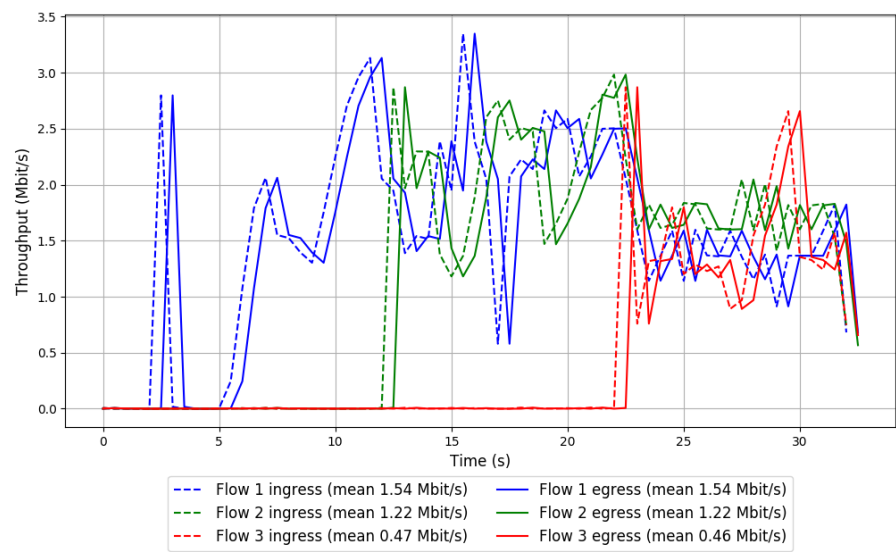
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 1.034 ms

Loss rate: 0.31%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-22 20:30:39

End at: 2018-08-22 20:31:09

Local clock offset: -3.502 ms

Remote clock offset: 3.563 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 1.176 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 1.172 ms

Loss rate: 0.00%

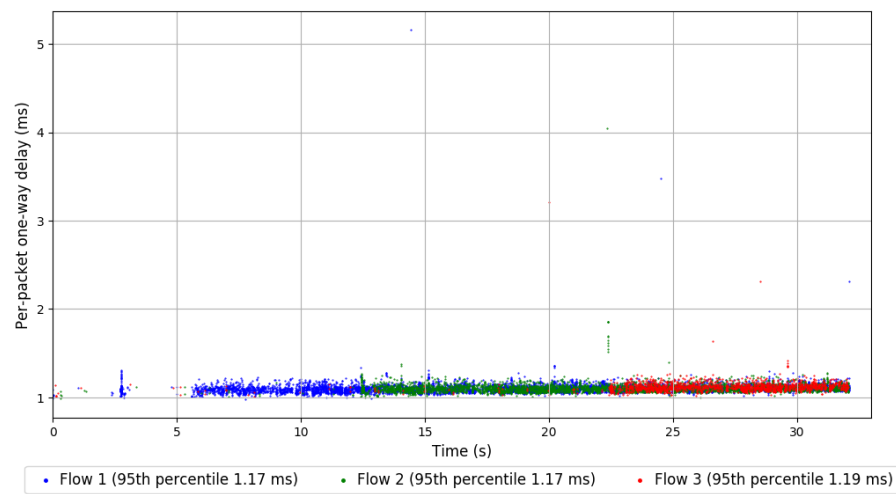
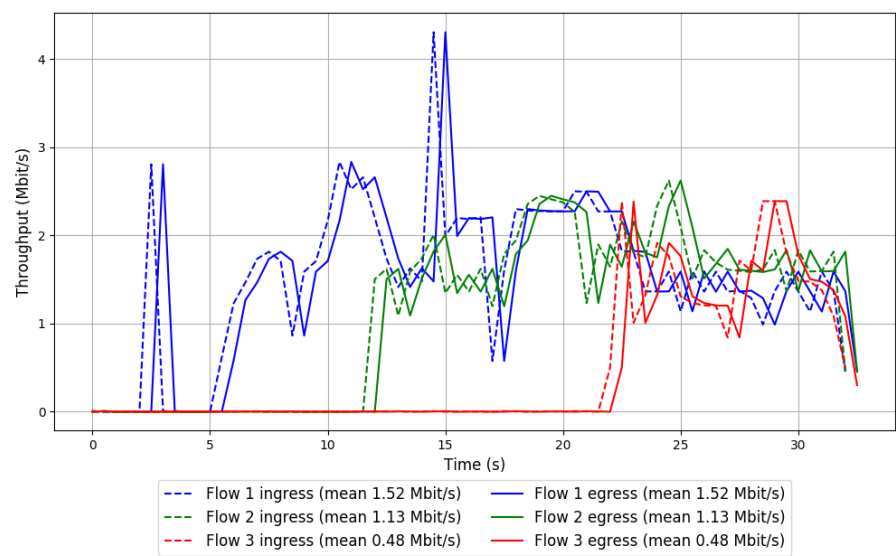
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 1.193 ms

Loss rate: 0.65%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-22 20:57:29

End at: 2018-08-22 20:57:59

Local clock offset: -5.105 ms

Remote clock offset: 2.957 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.00%

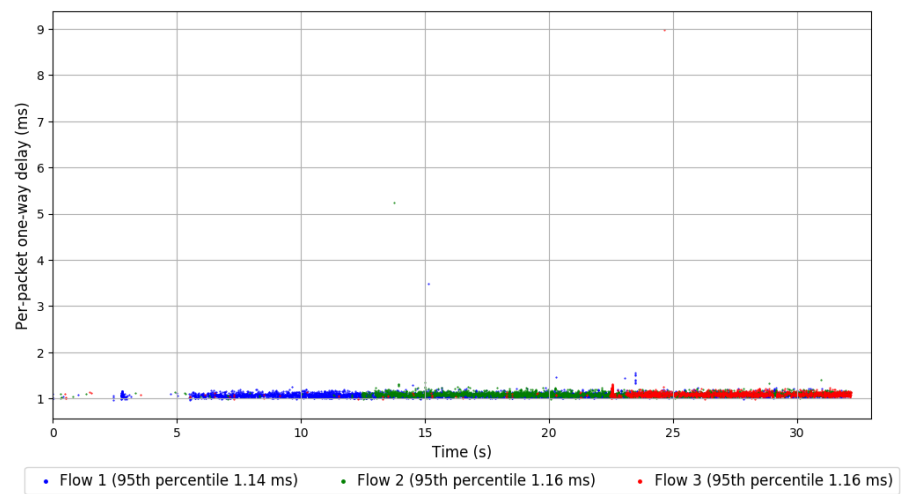
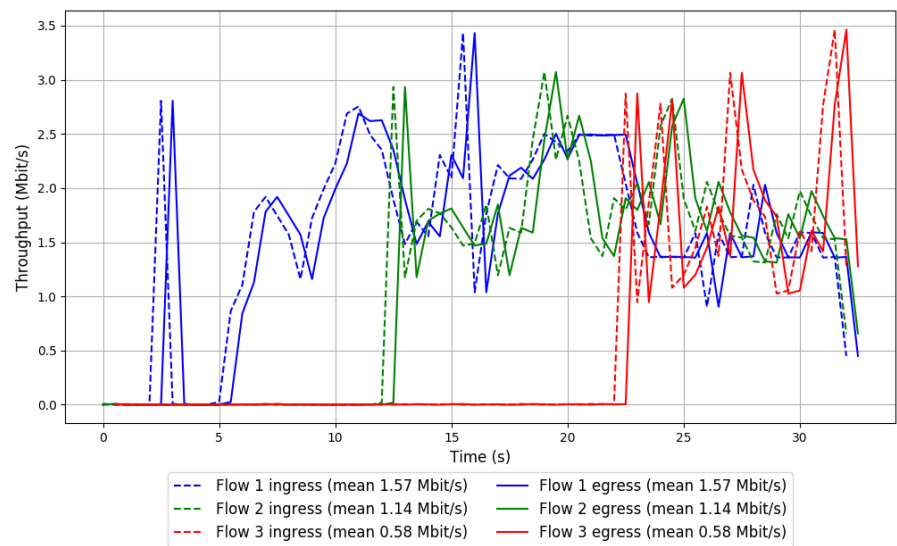
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-22 21:24:16

End at: 2018-08-22 21:24:46

Local clock offset: -2.707 ms

Remote clock offset: 2.674 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.31%

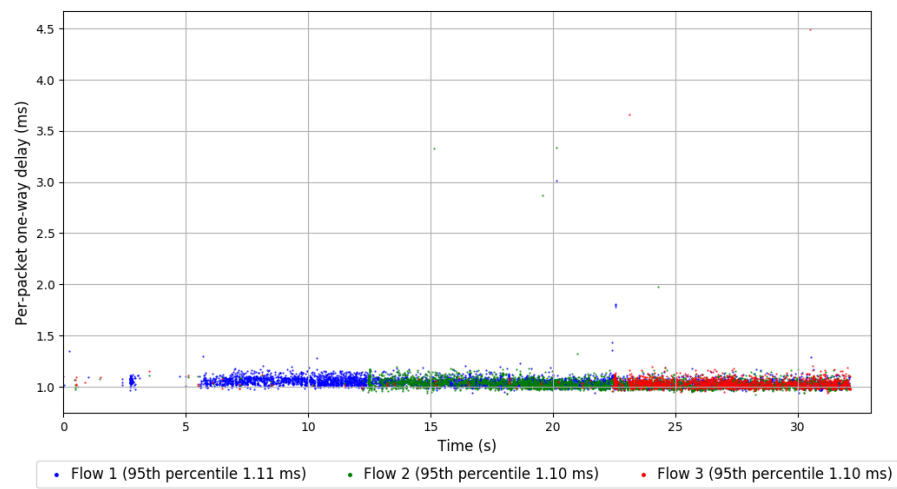
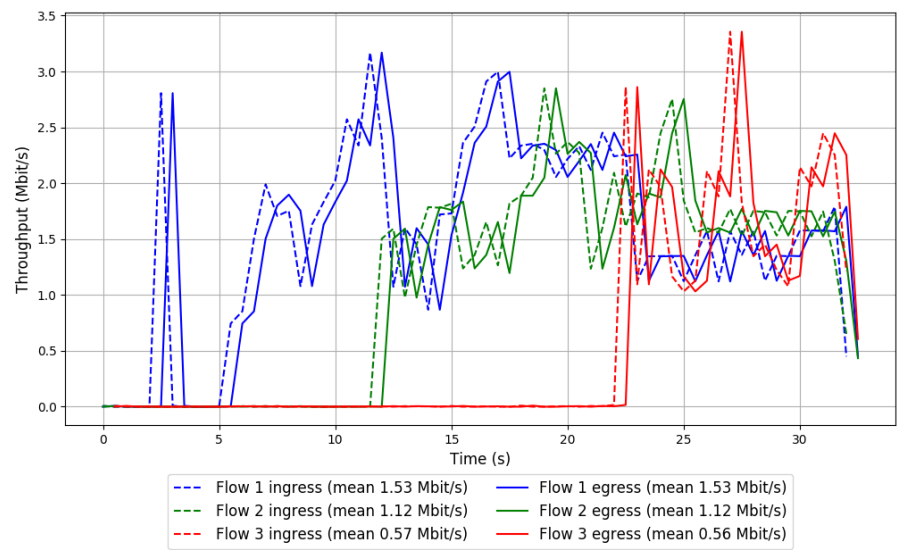
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 1.70%

Run 6: Report of WebRTC media — Data Link

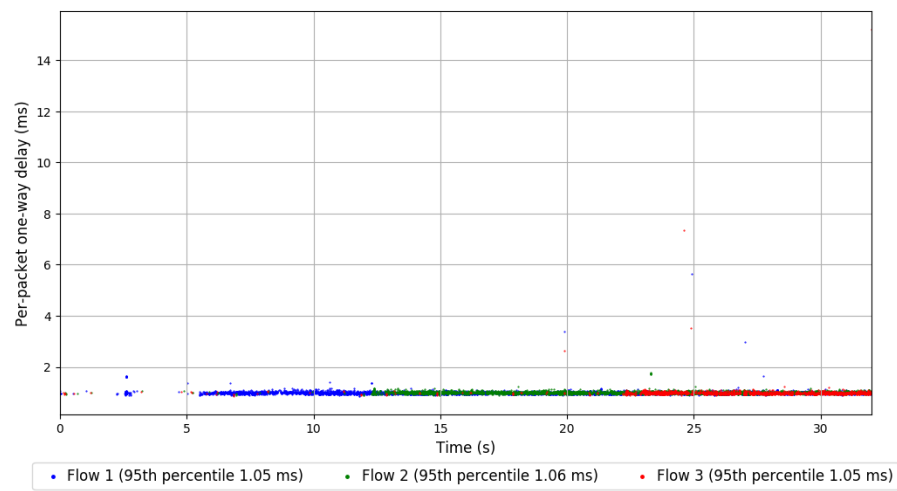
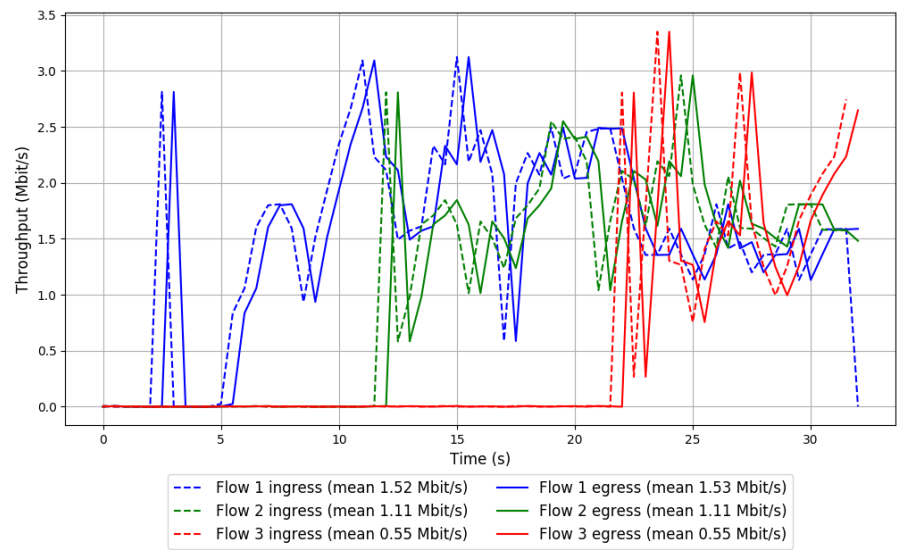


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 21:51:11
End at: 2018-08-22 21:51:41
Local clock offset: -2.409 ms
Remote clock offset: 2.792 ms

Below is generated by plot.py at 2018-08-23 01:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.28%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-22 22:18:07

End at: 2018-08-22 22:18:37

Local clock offset: -0.045 ms

Remote clock offset: 2.889 ms

Below is generated by plot.py at 2018-08-23 01:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 0.869 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 0.878 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 0.856 ms

Loss rate: 0.03%

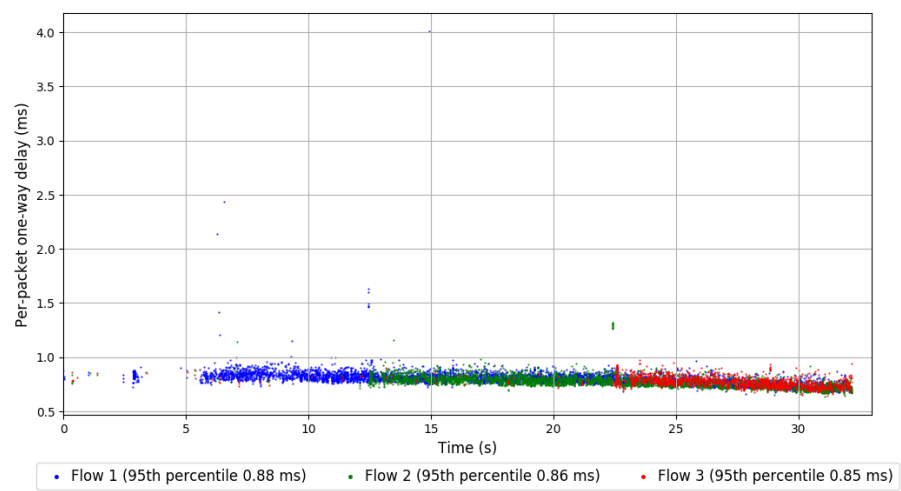
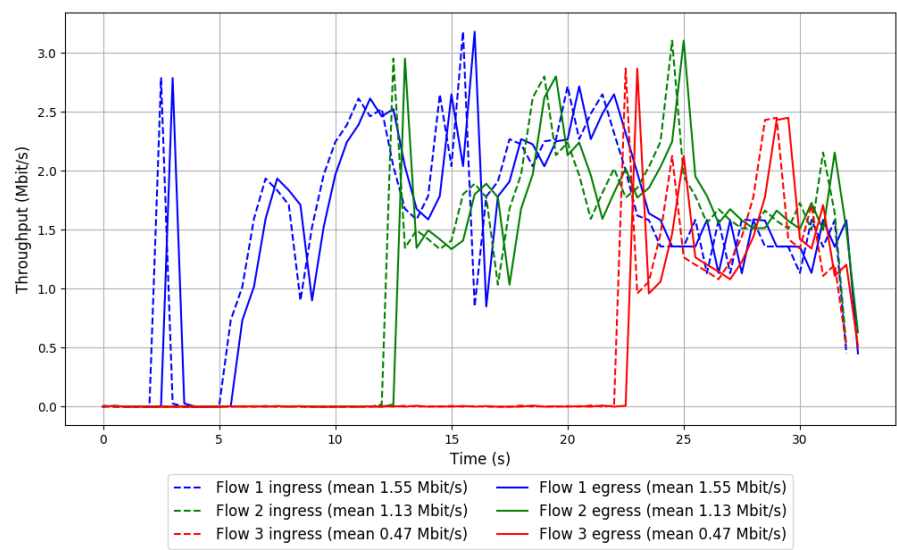
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 0.855 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

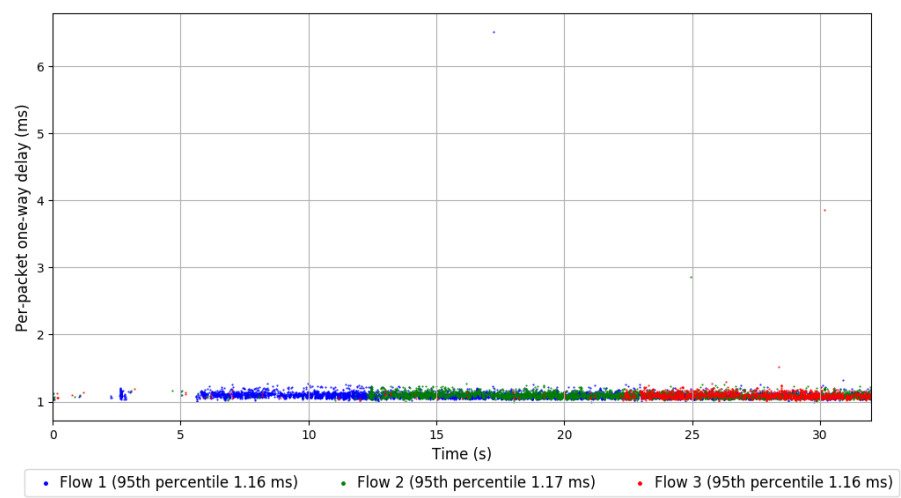
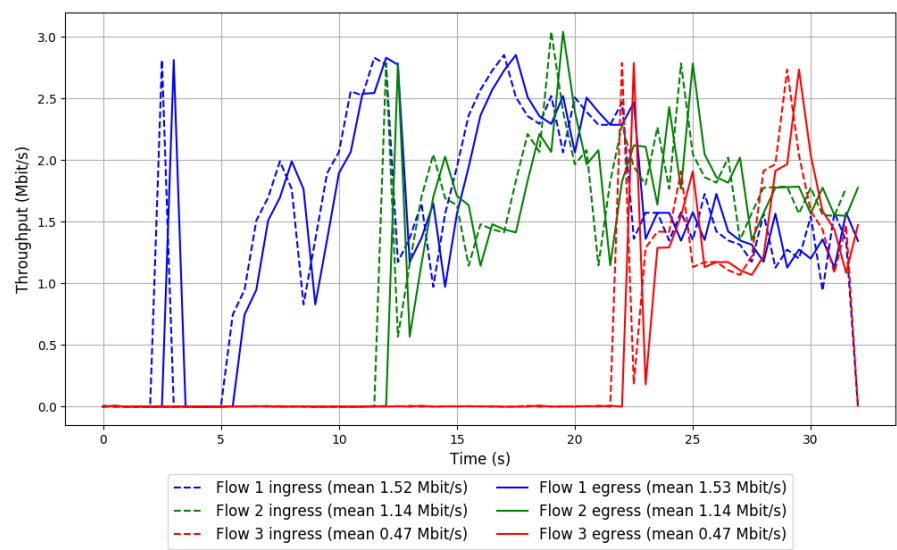


Run 9: Statistics of WebRTC media

Start at: 2018-08-22 22:44:49
End at: 2018-08-22 22:45:19
Local clock offset: 0.927 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2018-08-23 01:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 23:11:49
End at: 2018-08-22 23:12:19
Local clock offset: 0.738 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-08-23 01:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

