

Pantheon Report

Generated at 2018-08-10 08:17:24 (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.

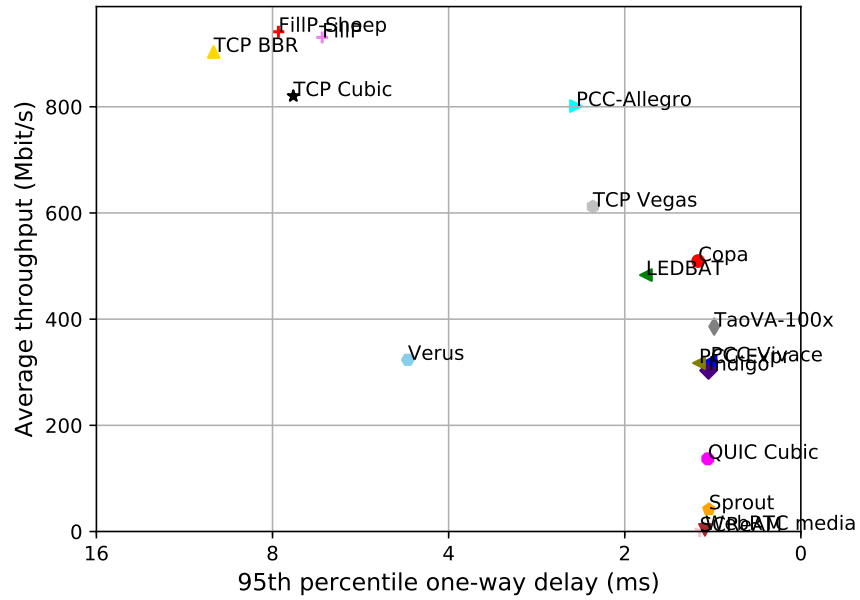
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

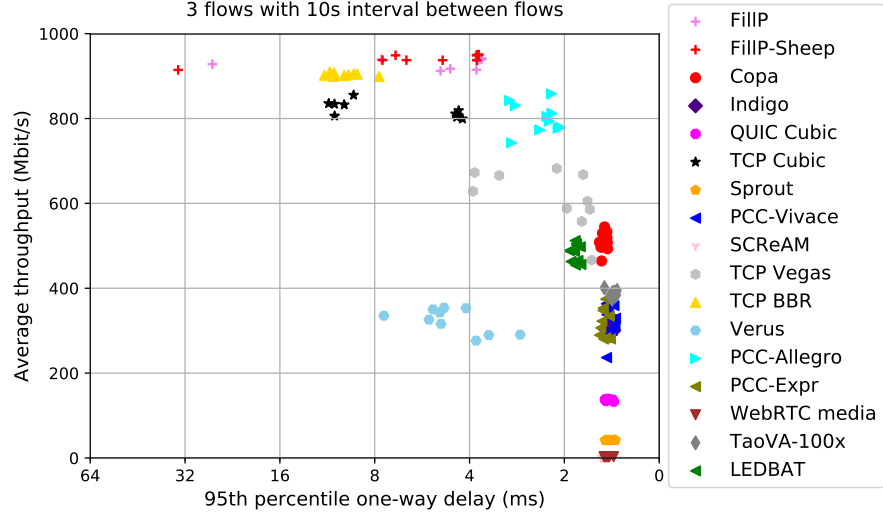
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from 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	532.77	395.17	323.66	10.49	4.37	4.42	0.04	0.08	0.25
Copa	10	305.84	238.90	134.25	1.22	1.10	1.19	0.03	0.06	0.24
TCP Cubic	10	452.99	392.57	318.80	7.68	4.34	4.37	0.05	0.10	0.23
FillP	10	571.32	389.97	301.94	8.84	3.75	4.53	0.12	0.09	0.23
FillP-Sheep	10	571.57	397.73	318.09	10.14	3.86	5.64	0.15	0.09	0.21
Indigo	10	167.31	153.33	103.65	1.04	1.05	1.10	0.05	0.09	0.19
LEDBAT	10	284.25	229.33	142.88	1.66	1.89	1.80	0.04	0.09	0.25
PCC-Allegro	10	656.37	166.53	105.20	2.40	2.30	1.95	0.02	0.11	0.24
PCC-Expr	10	226.04	103.85	67.44	1.17	1.17	1.13	0.02	0.10	0.27
QUIC Cubic	10	75.02	66.30	53.86	1.06	1.06	1.06	0.05	0.09	0.20
SCReAM	10	0.22	0.22	0.22	1.15	1.14	1.15	0.08	0.19	0.29
Sprout	10	21.06	20.98	21.12	1.04	1.04	1.04	0.06	0.08	0.29
TaoVA-100x	10	218.86	194.45	113.99	0.97	0.98	1.13	0.04	0.06	0.23
TCP Vegas	10	318.76	298.38	285.20	2.21	2.27	2.12	0.06	0.09	0.21
Verus	10	196.79	141.01	102.93	5.58	2.46	2.00	0.01	0.09	0.24
PCC-Vivace	10	221.31	121.77	55.67	1.02	1.03	1.03	0.02	0.10	0.25
WebRTC media	10	1.52	1.15	0.49	1.08	1.10	1.09	0.11	0.14	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 01:45:27

End at: 2018-08-10 01:45:57

Local clock offset: 0.194 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2018-08-10 06:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.10 Mbit/s

95th percentile per-packet one-way delay: 7.749 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 526.58 Mbit/s

95th percentile per-packet one-way delay: 8.150 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 398.99 Mbit/s

95th percentile per-packet one-way delay: 4.489 ms

Loss rate: 0.09%

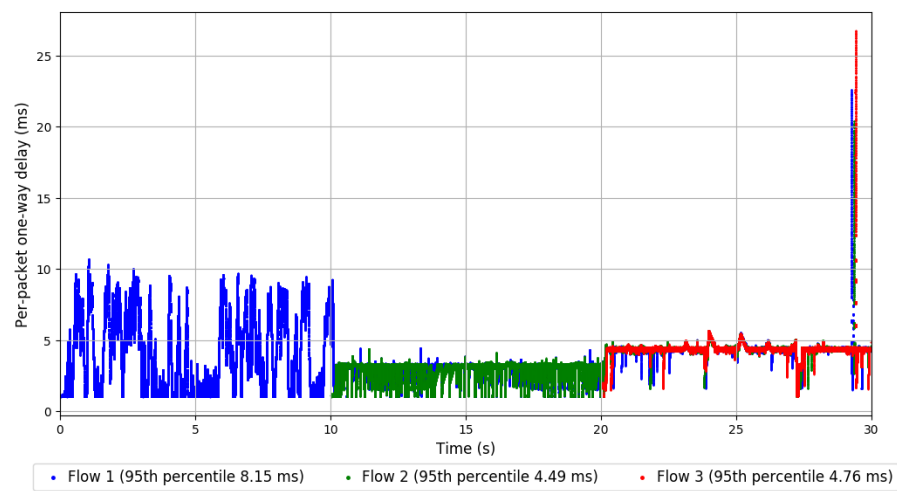
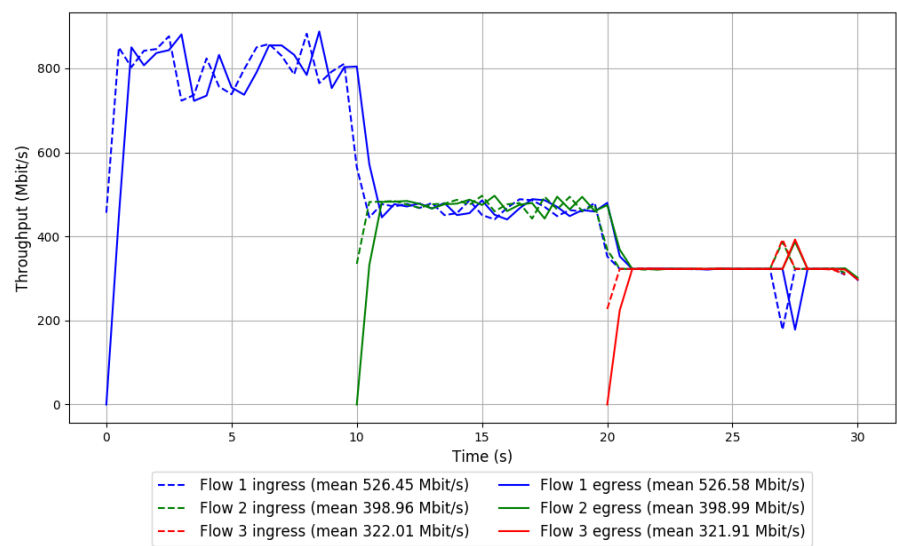
-- Flow 3:

Average throughput: 321.91 Mbit/s

95th percentile per-packet one-way delay: 4.763 ms

Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-10 02:12:27

End at: 2018-08-10 02:12:57

Local clock offset: -0.265 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-10 06:17:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 901.22 Mbit/s

95th percentile per-packet one-way delay: 10.751 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 532.41 Mbit/s

95th percentile per-packet one-way delay: 11.310 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 391.63 Mbit/s

95th percentile per-packet one-way delay: 4.386 ms

Loss rate: 0.09%

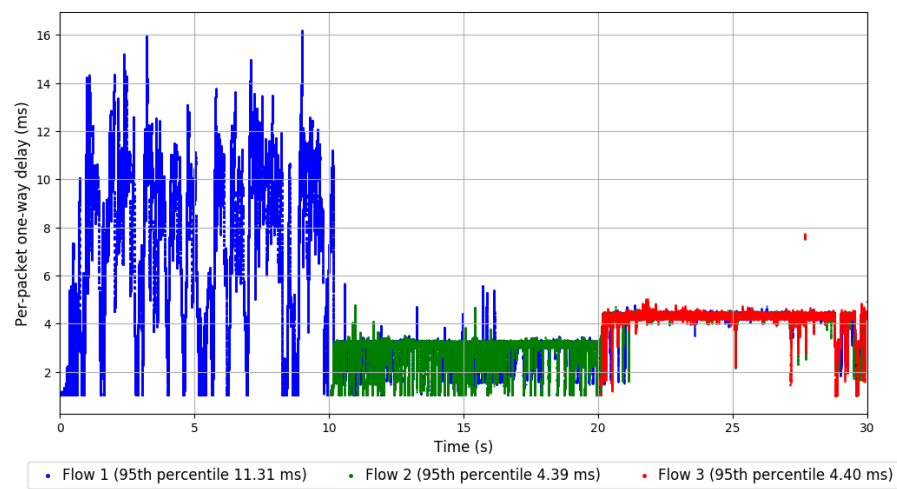
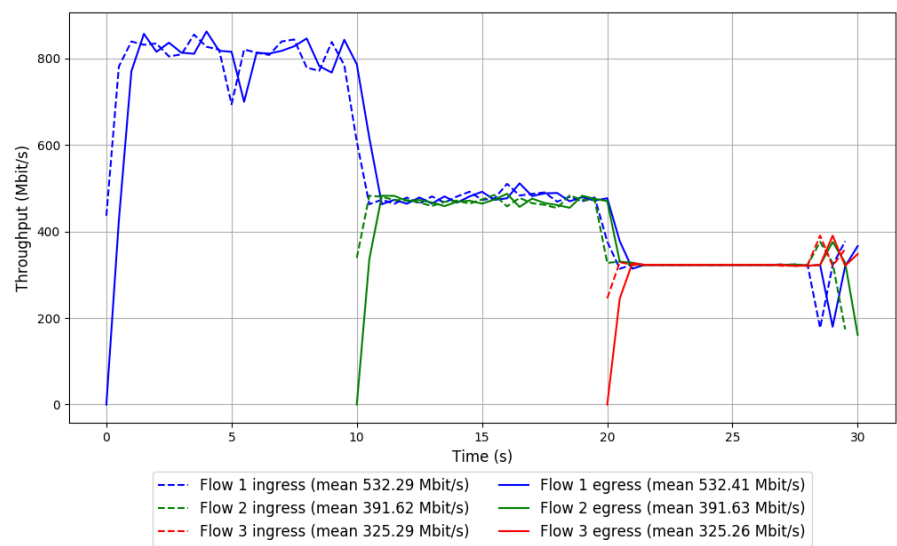
-- Flow 3:

Average throughput: 325.26 Mbit/s

95th percentile per-packet one-way delay: 4.401 ms

Loss rate: 0.22%

Run 2: Report of TCP BBR — Data Link

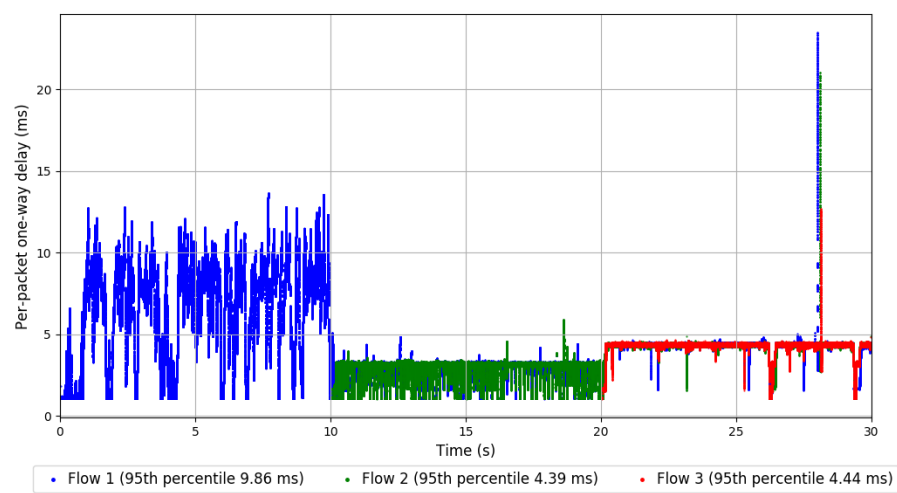
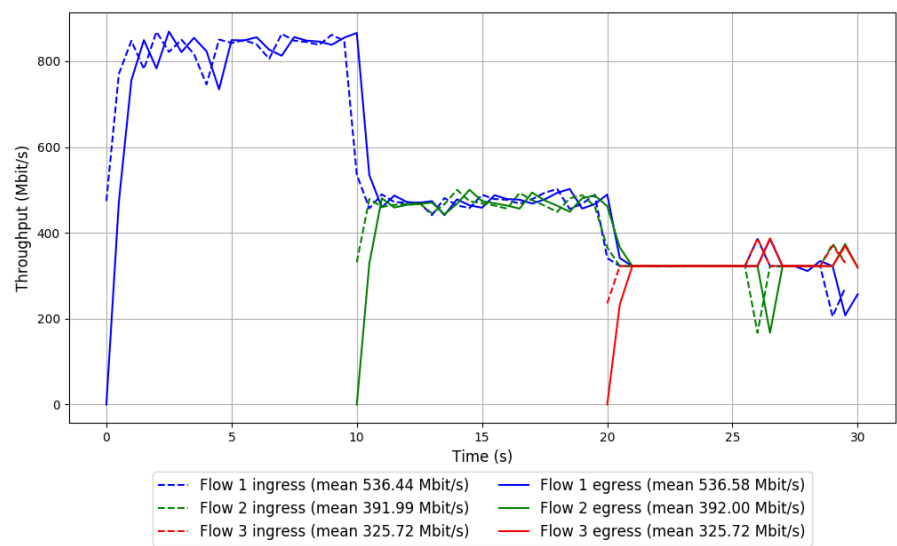


Run 3: Statistics of TCP BBR

Start at: 2018-08-10 02:39:27
End at: 2018-08-10 02:39:58
Local clock offset: -0.365 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-10 06:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 905.71 Mbit/s
95th percentile per-packet one-way delay: 9.303 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 536.58 Mbit/s
95th percentile per-packet one-way delay: 9.858 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.00 Mbit/s
95th percentile per-packet one-way delay: 4.392 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.72 Mbit/s
95th percentile per-packet one-way delay: 4.436 ms
Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link

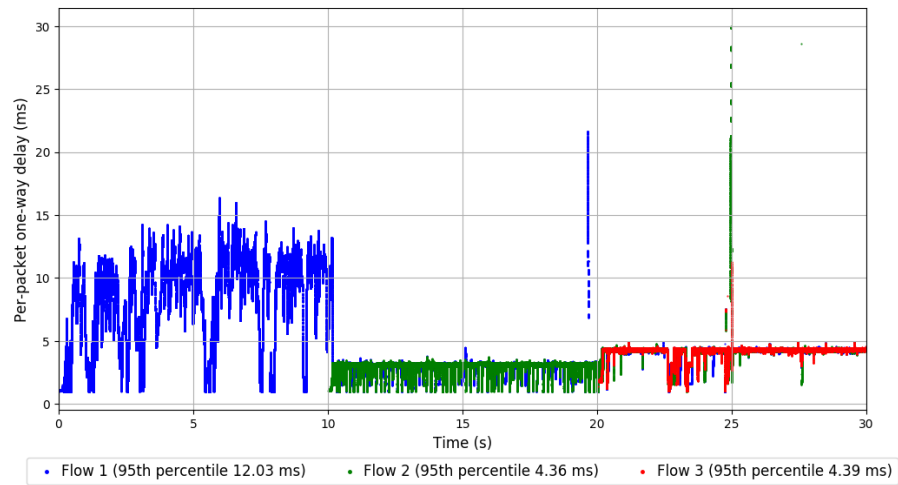
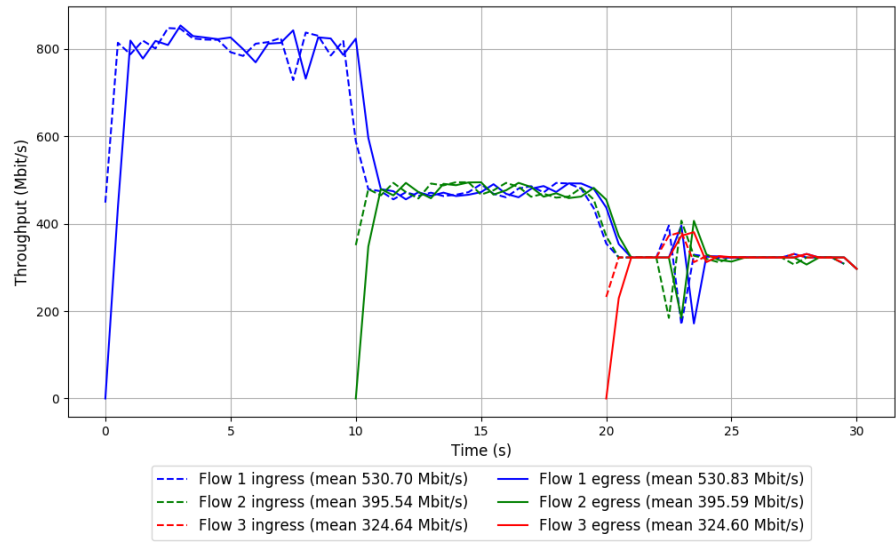


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 03:06:29
End at: 2018-08-10 03:06:59
Local clock offset: -0.372 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-10 06:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.87 Mbit/s
95th percentile per-packet one-way delay: 11.553 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 530.83 Mbit/s
95th percentile per-packet one-way delay: 12.026 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 395.59 Mbit/s
95th percentile per-packet one-way delay: 4.360 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 324.60 Mbit/s
95th percentile per-packet one-way delay: 4.393 ms
Loss rate: 0.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-10 03:33:36

End at: 2018-08-10 03:34:06

Local clock offset: -0.341 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-08-10 06:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 901.43 Mbit/s

95th percentile per-packet one-way delay: 10.000 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 530.97 Mbit/s

95th percentile per-packet one-way delay: 10.405 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 396.71 Mbit/s

95th percentile per-packet one-way delay: 4.271 ms

Loss rate: 0.00%

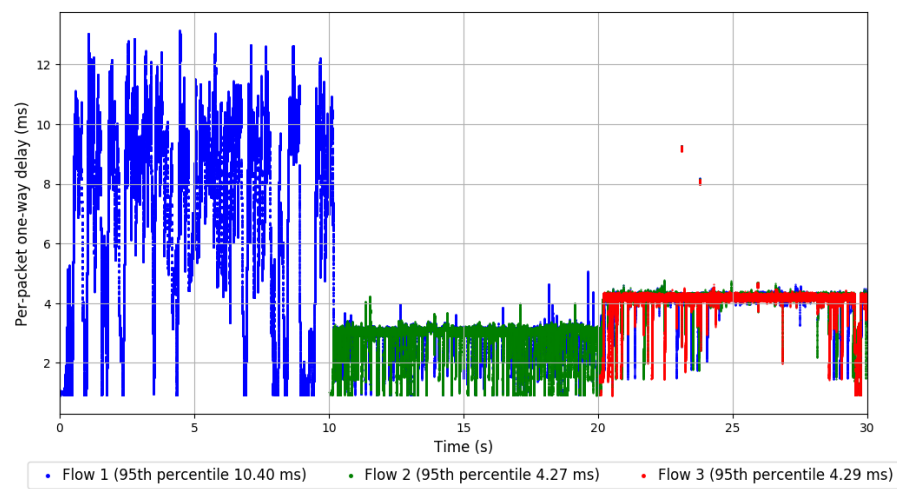
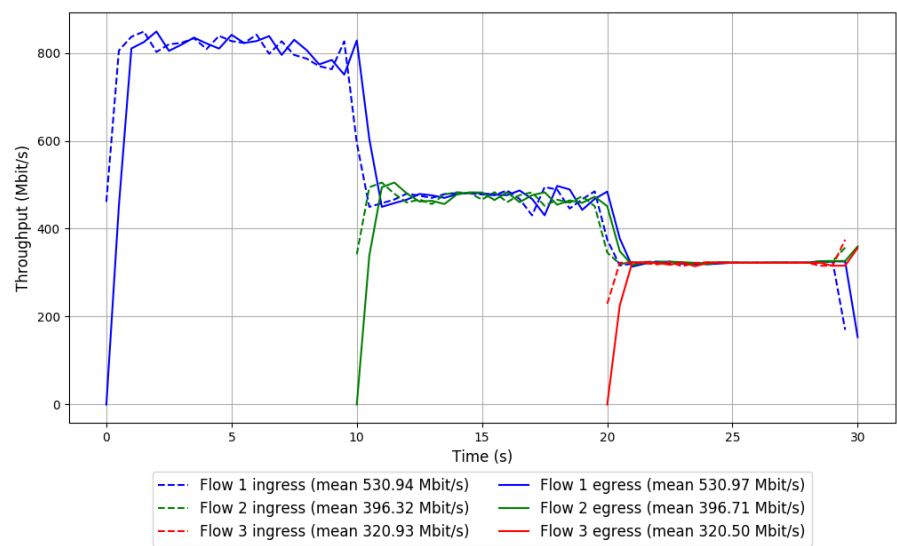
-- Flow 3:

Average throughput: 320.50 Mbit/s

95th percentile per-packet one-way delay: 4.285 ms

Loss rate: 0.34%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 04:00:33

End at: 2018-08-10 04:01:04

Local clock offset: -0.218 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-08-10 06:17:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 909.69 Mbit/s

95th percentile per-packet one-way delay: 11.109 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 540.20 Mbit/s

95th percentile per-packet one-way delay: 11.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 395.47 Mbit/s

95th percentile per-packet one-way delay: 4.358 ms

Loss rate: 0.14%

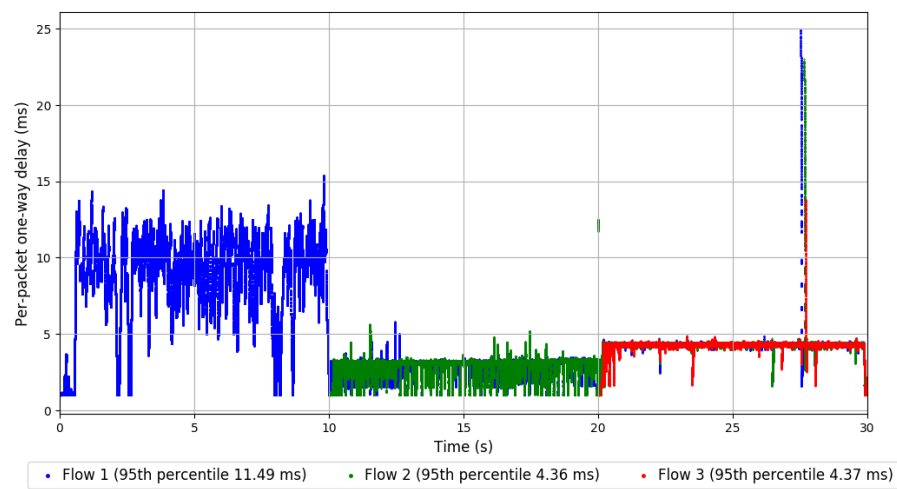
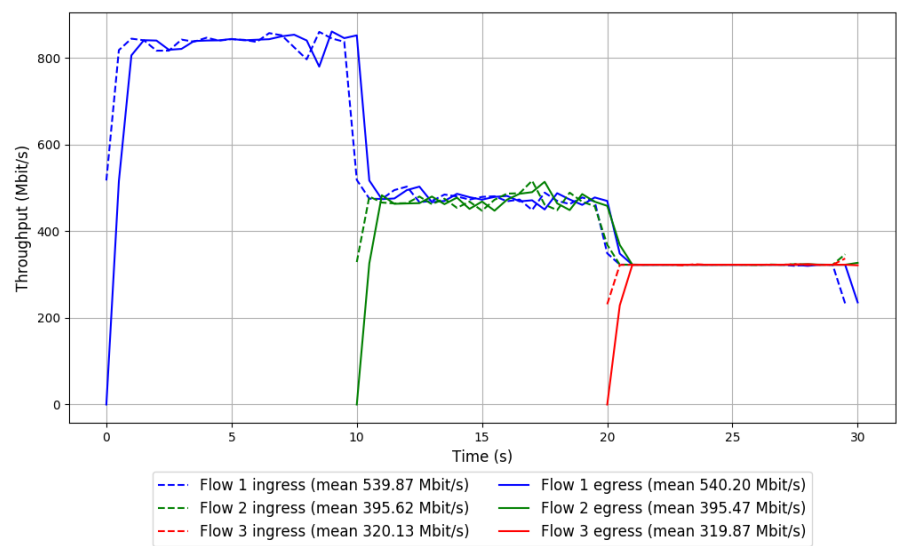
-- Flow 3:

Average throughput: 319.87 Mbit/s

95th percentile per-packet one-way delay: 4.374 ms

Loss rate: 0.29%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-10 04:27:38

End at: 2018-08-10 04:28:08

Local clock offset: -0.195 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-10 06:17:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 902.80 Mbit/s

95th percentile per-packet one-way delay: 9.692 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 534.29 Mbit/s

95th percentile per-packet one-way delay: 10.045 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 394.36 Mbit/s

95th percentile per-packet one-way delay: 4.386 ms

Loss rate: 0.00%

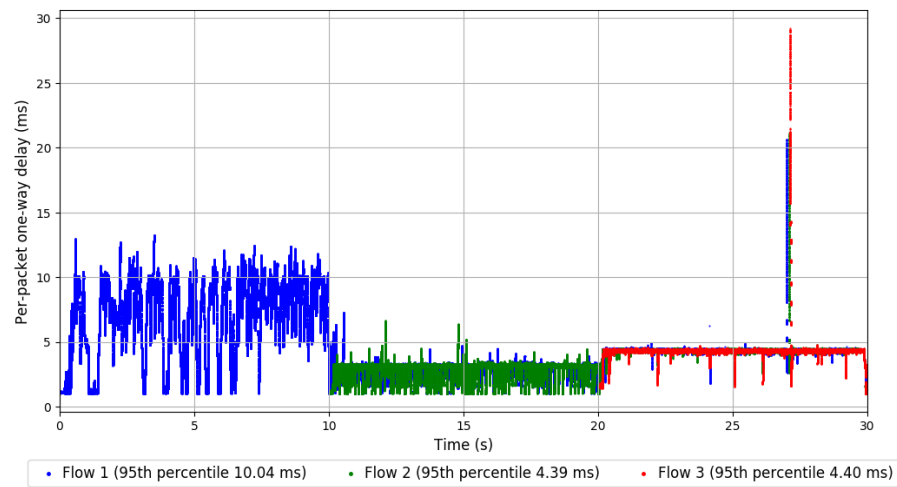
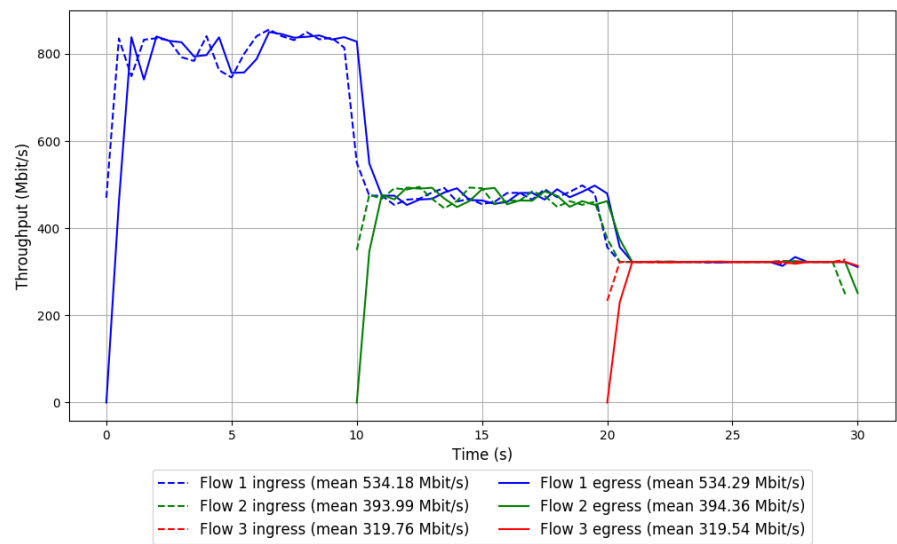
-- Flow 3:

Average throughput: 319.54 Mbit/s

95th percentile per-packet one-way delay: 4.397 ms

Loss rate: 0.27%

Run 7: Report of TCP BBR — Data Link

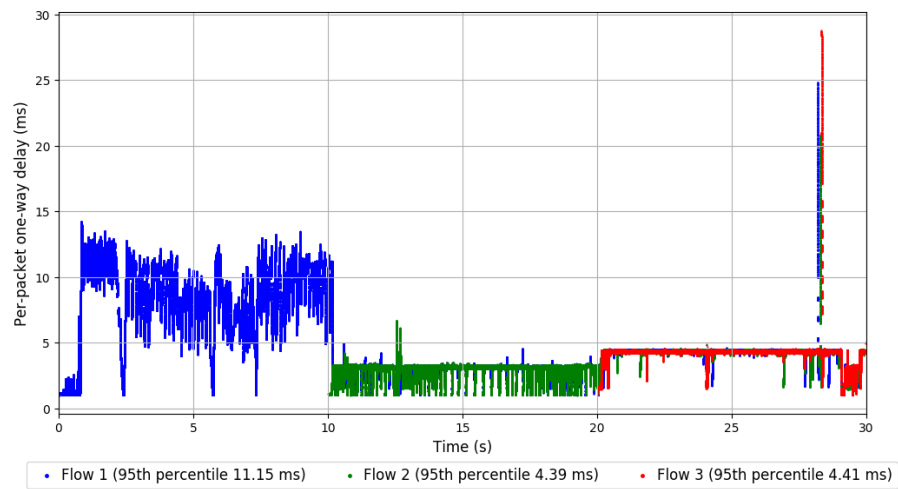
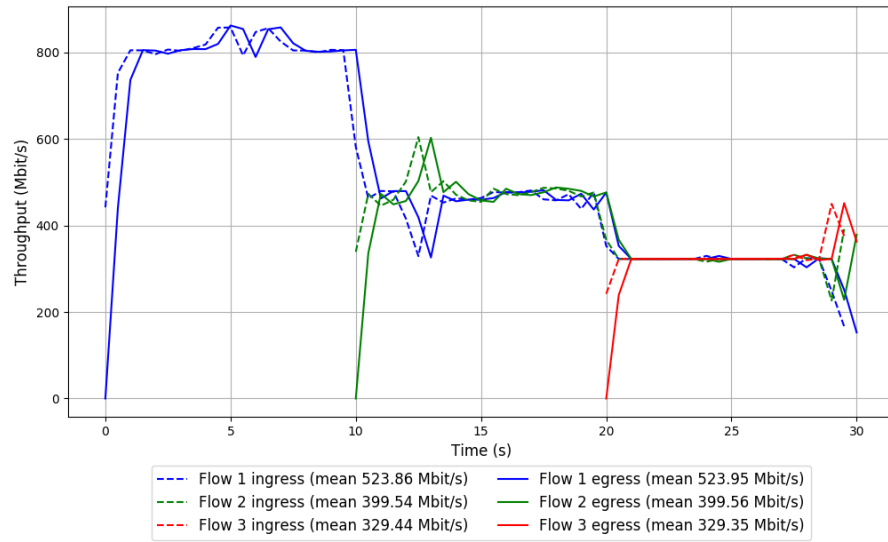


Run 8: Statistics of TCP BBR

Start at: 2018-08-10 04:54:37
End at: 2018-08-10 04:55:07
Local clock offset: -0.583 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-08-10 06:17:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.30 Mbit/s
95th percentile per-packet one-way delay: 10.843 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 523.95 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.56 Mbit/s
95th percentile per-packet one-way delay: 4.389 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 329.35 Mbit/s
95th percentile per-packet one-way delay: 4.410 ms
Loss rate: 0.21%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-10 05:21:34

End at: 2018-08-10 05:22:05

Local clock offset: -1.067 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-08-10 06:27:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 907.46 Mbit/s

95th percentile per-packet one-way delay: 10.759 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 536.88 Mbit/s

95th percentile per-packet one-way delay: 11.079 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 394.28 Mbit/s

95th percentile per-packet one-way delay: 4.344 ms

Loss rate: 0.09%

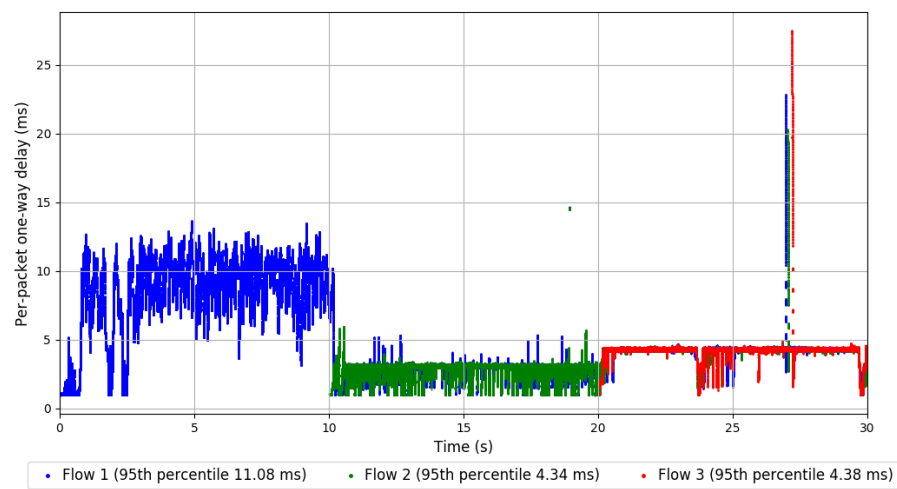
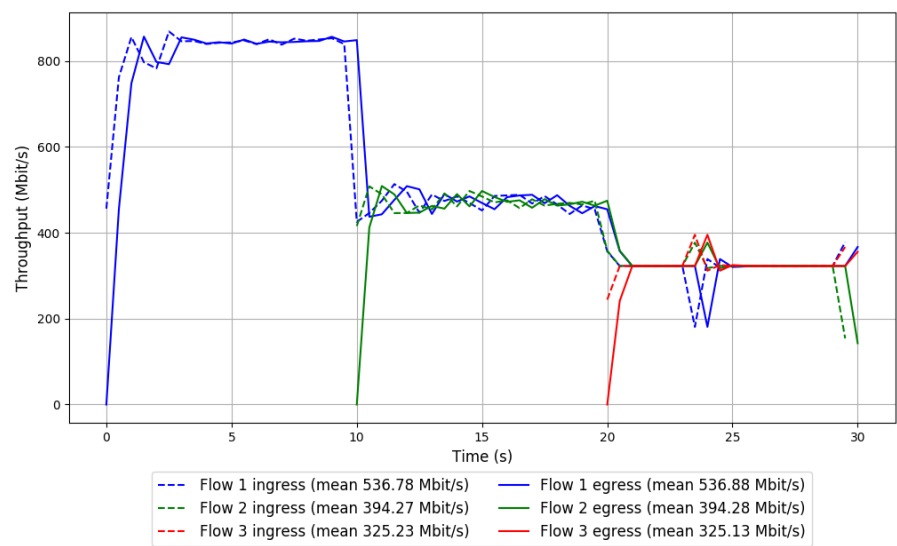
-- Flow 3:

Average throughput: 325.13 Mbit/s

95th percentile per-packet one-way delay: 4.381 ms

Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-10 05:48:33

End at: 2018-08-10 05:49:03

Local clock offset: -0.971 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-08-10 06:27:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 904.48 Mbit/s

95th percentile per-packet one-way delay: 9.093 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 535.06 Mbit/s

95th percentile per-packet one-way delay: 9.380 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 393.10 Mbit/s

95th percentile per-packet one-way delay: 4.295 ms

Loss rate: 0.10%

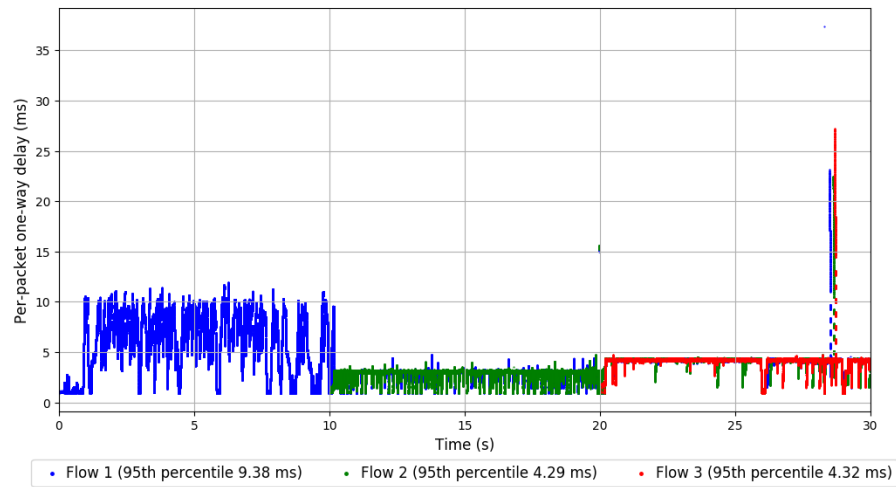
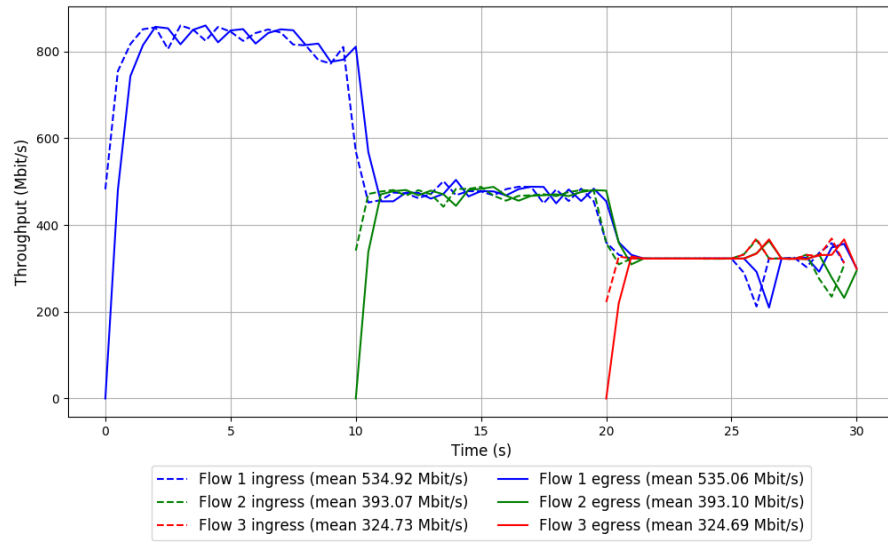
-- Flow 3:

Average throughput: 324.69 Mbit/s

95th percentile per-packet one-way delay: 4.320 ms

Loss rate: 0.24%

Run 10: Report of TCP BBR — Data Link

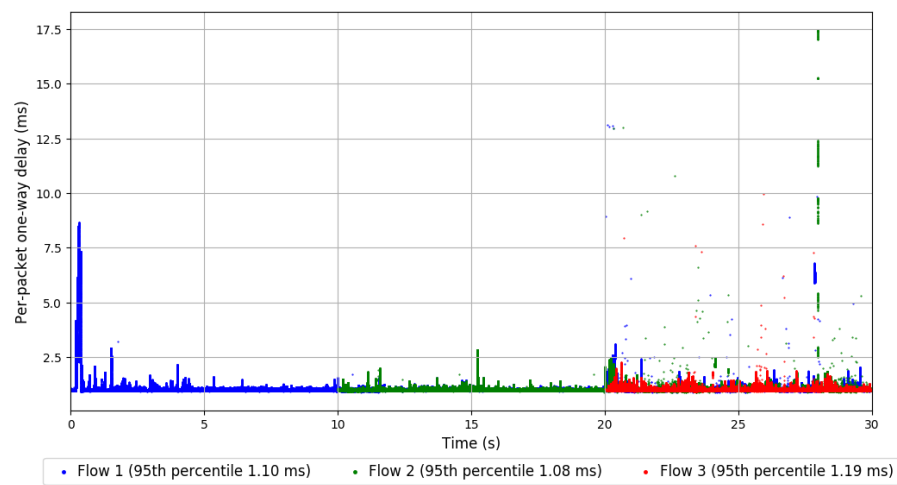
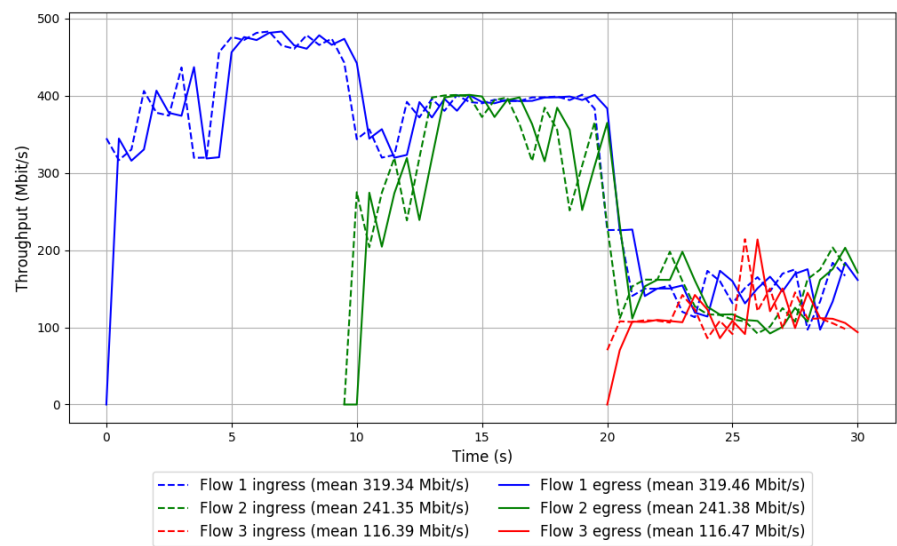


Run 1: Statistics of Copa

Start at: 2018-08-10 01:25:27
End at: 2018-08-10 01:25:57
Local clock offset: 0.155 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-10 06:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.87 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 319.46 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 241.38 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 116.47 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.19%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-10 01:52:24

End at: 2018-08-10 01:52:54

Local clock offset: -0.01 ms

Remote clock offset: 0.725 ms

Below is generated by plot.py at 2018-08-10 06:27:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 508.53 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 287.03 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 229.76 Mbit/s

95th percentile per-packet one-way delay: 1.176 ms

Loss rate: 0.09%

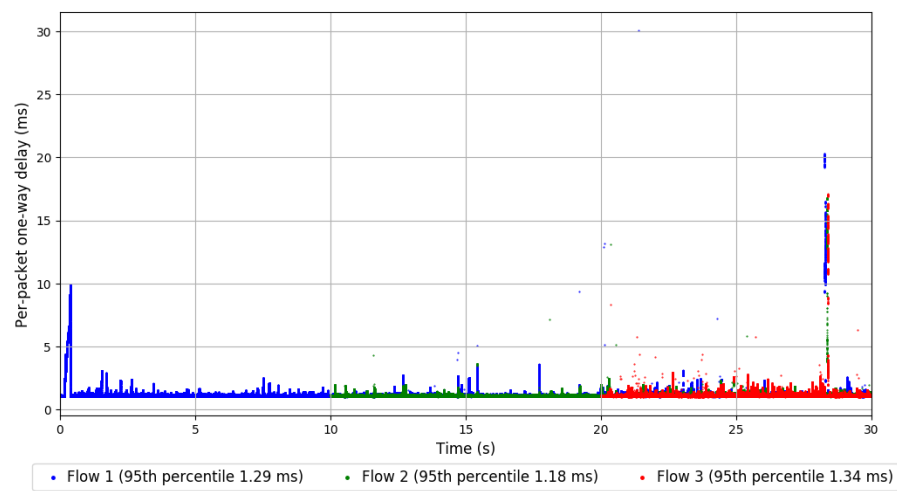
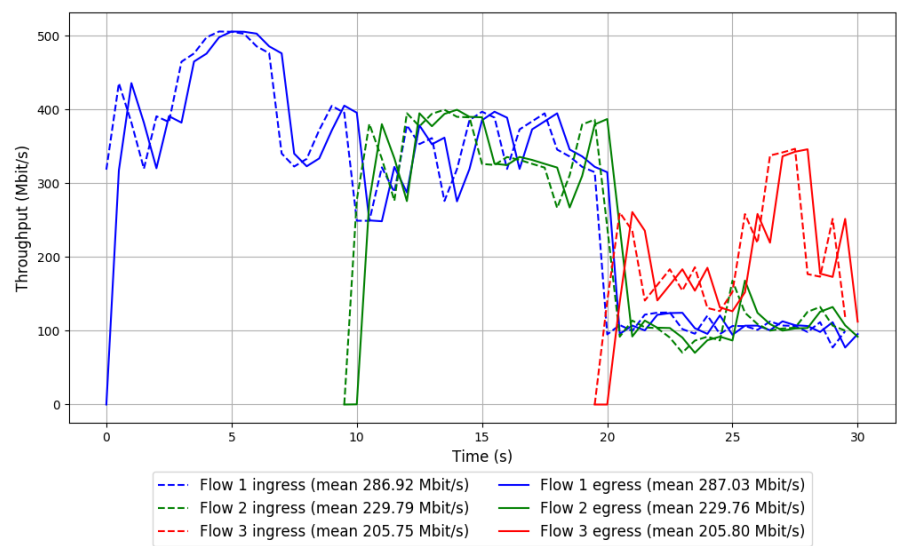
-- Flow 3:

Average throughput: 205.80 Mbit/s

95th percentile per-packet one-way delay: 1.337 ms

Loss rate: 0.17%

Run 2: Report of Copa — Data Link

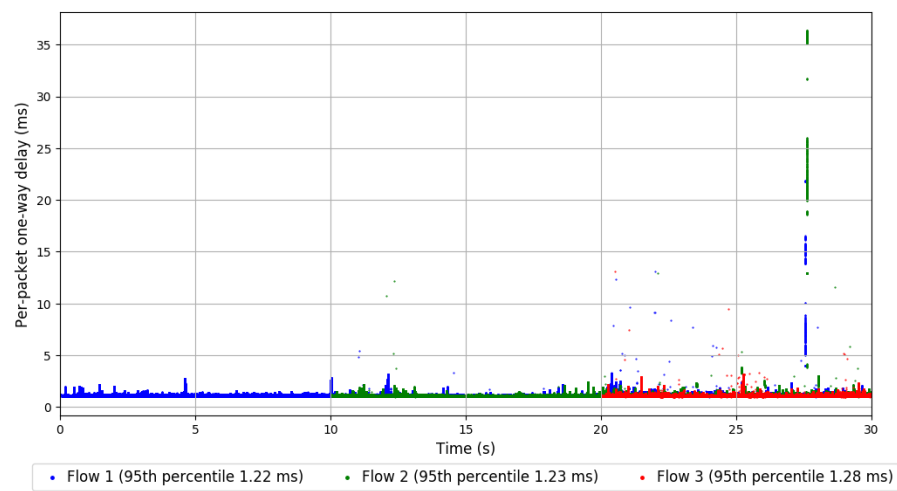
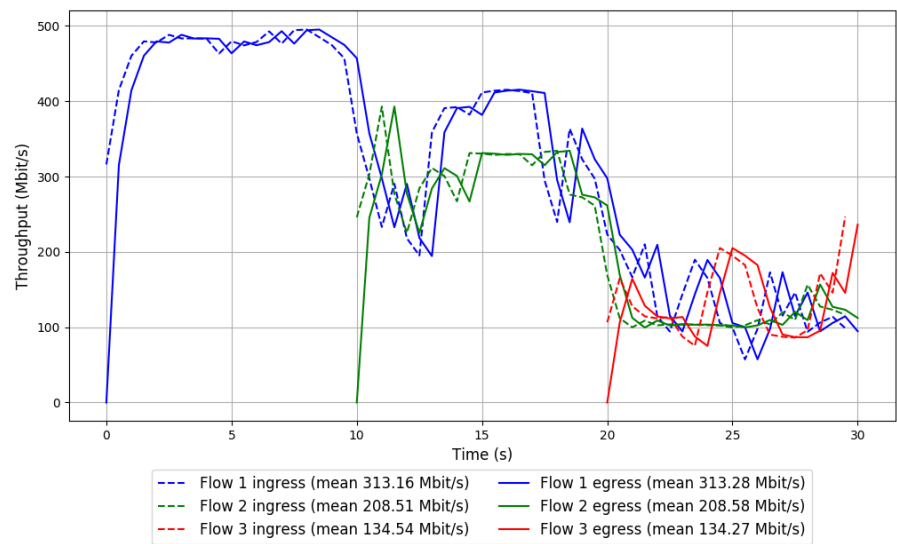


Run 3: Statistics of Copa

Start at: 2018-08-10 02:19:26
End at: 2018-08-10 02:19:56
Local clock offset: -0.266 ms
Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-08-10 06:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.64 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 313.28 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 208.58 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 134.27 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.41%

Run 3: Report of Copa — Data Link

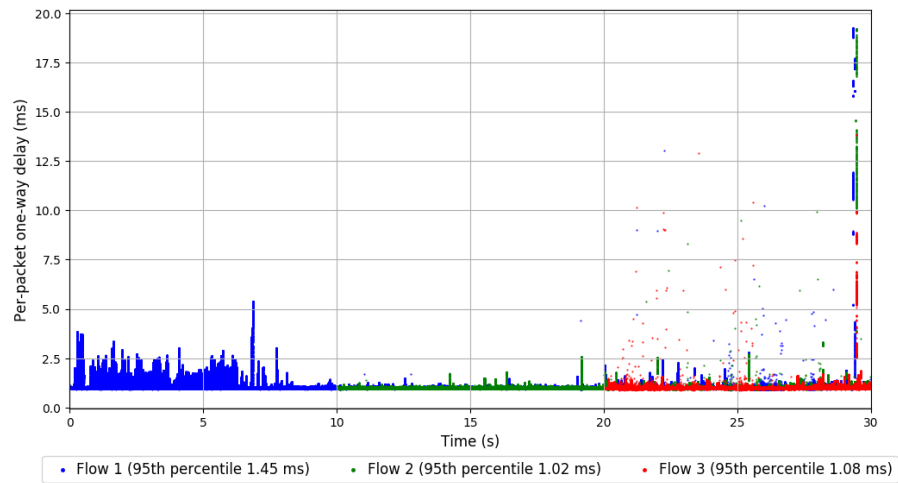
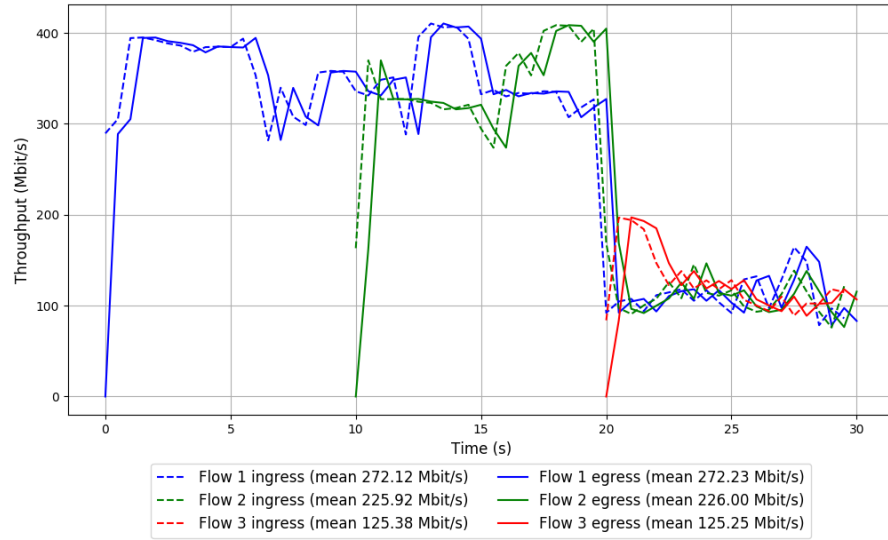


Run 4: Statistics of Copa

Start at: 2018-08-10 02:46:27
End at: 2018-08-10 02:46:57
Local clock offset: -0.397 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-10 06:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.31 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 272.23 Mbit/s
95th percentile per-packet one-way delay: 1.448 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 226.00 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 125.25 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.32%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-10 03:13:29

End at: 2018-08-10 03:13:59

Local clock offset: -0.497 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-10 06:28:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.86 Mbit/s

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

Loss rate: 0.04%

-- Flow 1:

Average throughput: 291.43 Mbit/s

95th percentile per-packet one-way delay: 1.424 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 290.79 Mbit/s

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

Loss rate: 0.06%

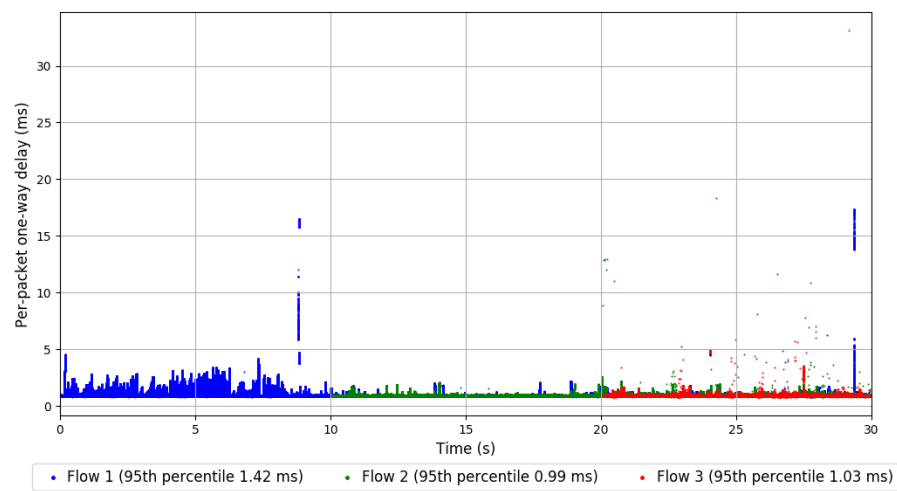
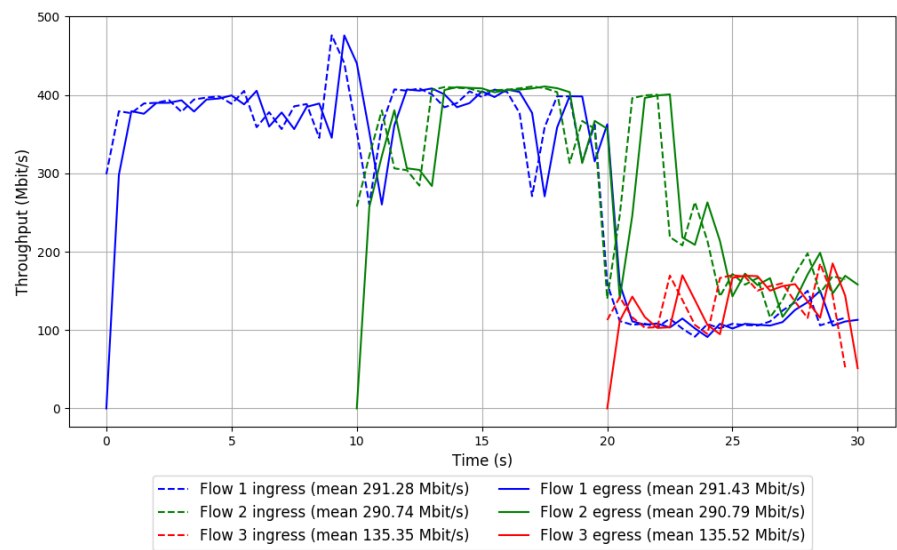
-- Flow 3:

Average throughput: 135.52 Mbit/s

95th percentile per-packet one-way delay: 1.034 ms

Loss rate: 0.06%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-10 03:40:32

End at: 2018-08-10 03:41:02

Local clock offset: -0.277 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-08-10 06:28:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.17 Mbit/s

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

Loss rate: 0.07%

-- Flow 1:

Average throughput: 316.93 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 214.04 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.03%

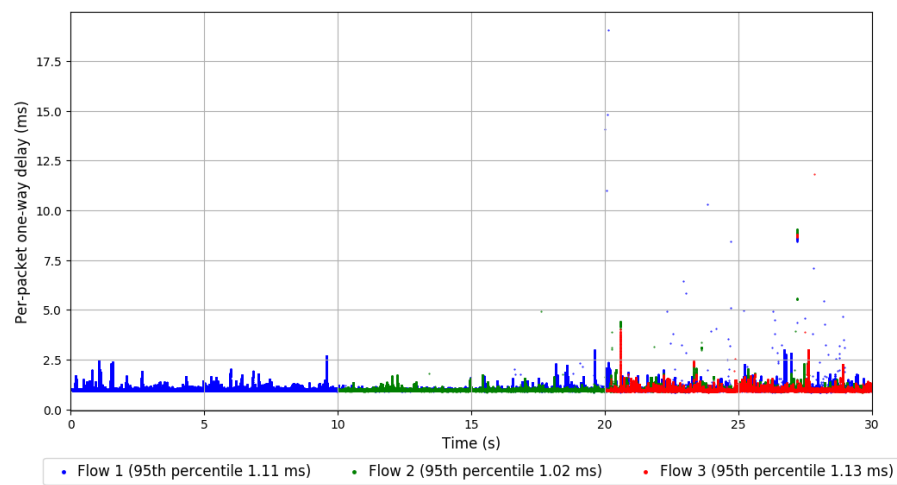
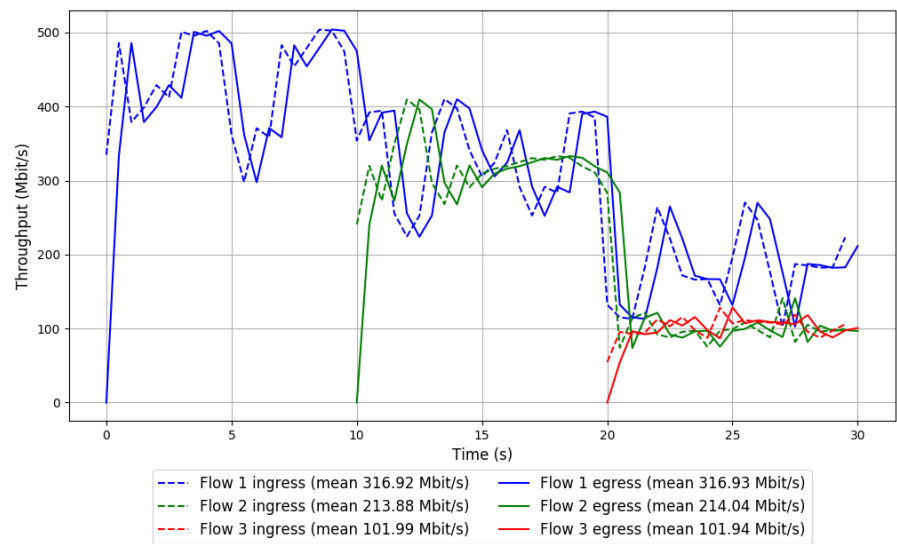
-- Flow 3:

Average throughput: 101.94 Mbit/s

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

Loss rate: 0.24%

Run 6: Report of Copa — Data Link

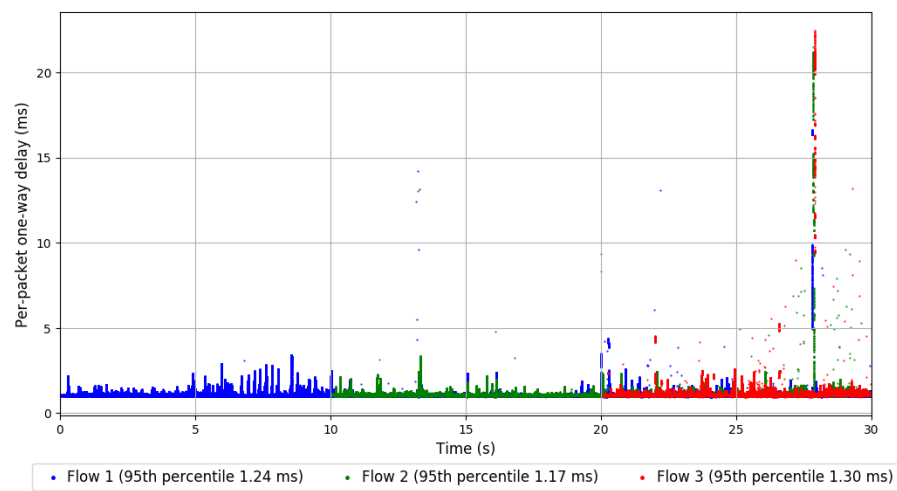
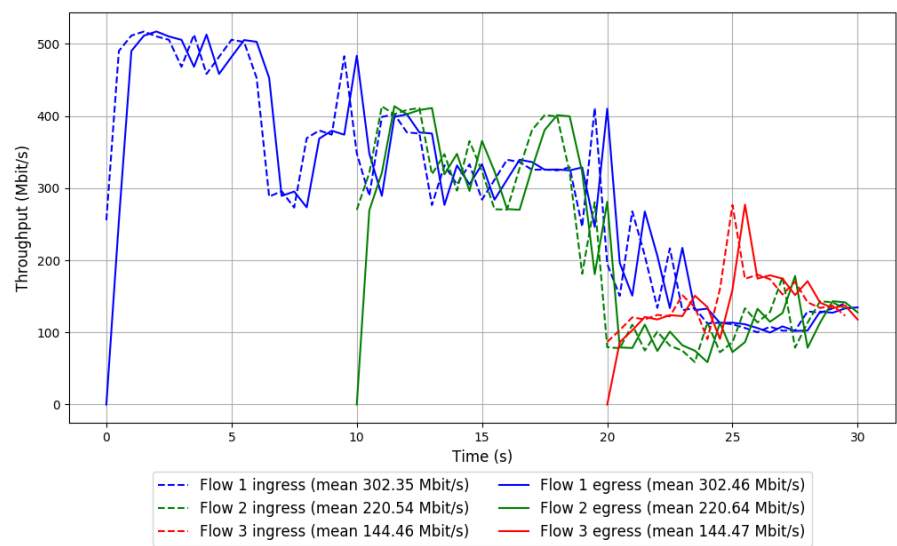


Run 7: Statistics of Copa

Start at: 2018-08-10 04:07:33
End at: 2018-08-10 04:08:03
Local clock offset: -0.227 ms
Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-10 06:37:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.19 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 302.46 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 220.64 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 144.47 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.19%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-10 04:34:37

End at: 2018-08-10 04:35:07

Local clock offset: -0.245 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-10 06:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 544.60 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 321.27 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 279.21 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.07%

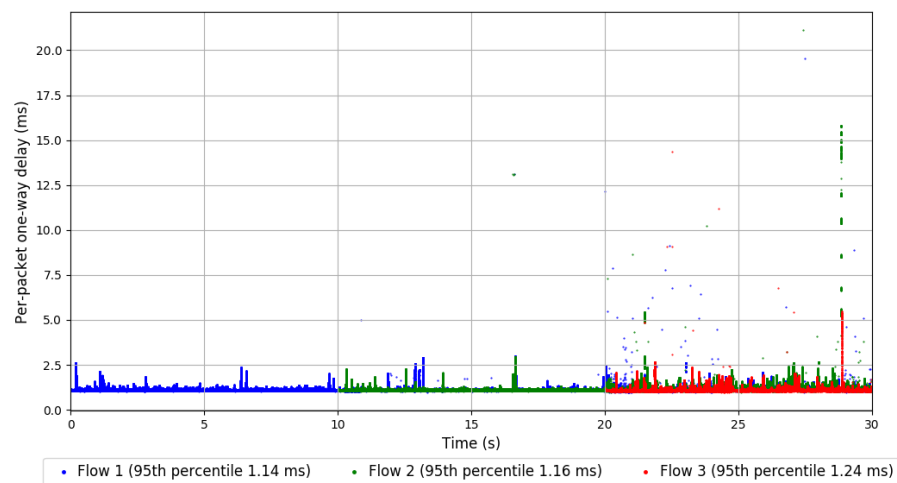
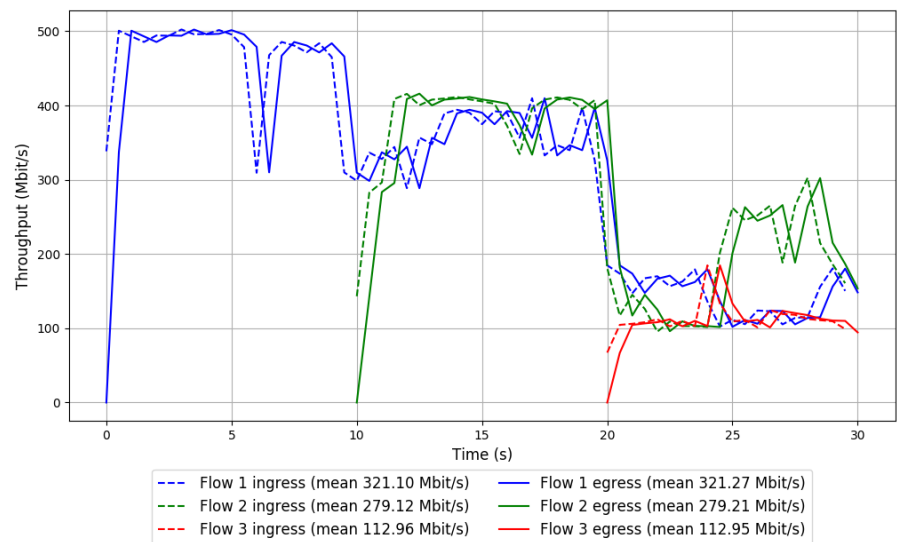
-- Flow 3:

Average throughput: 112.95 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.20%

Run 8: Report of Copa — Data Link

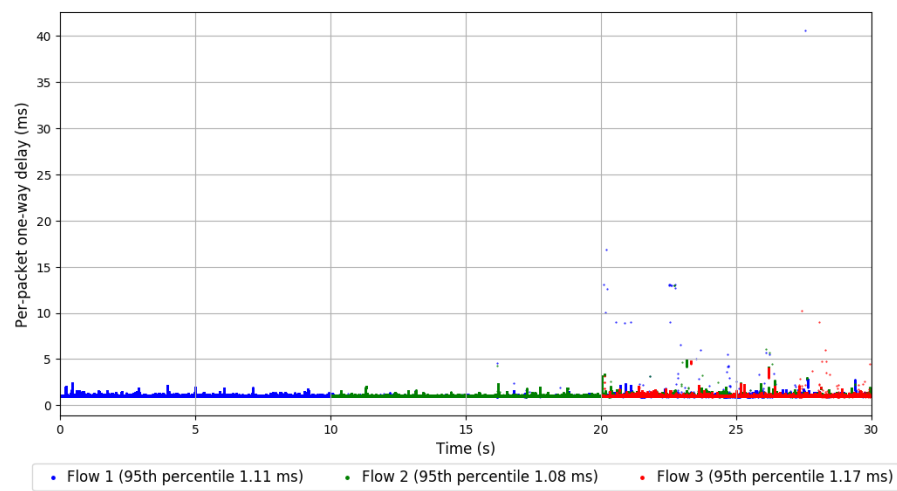
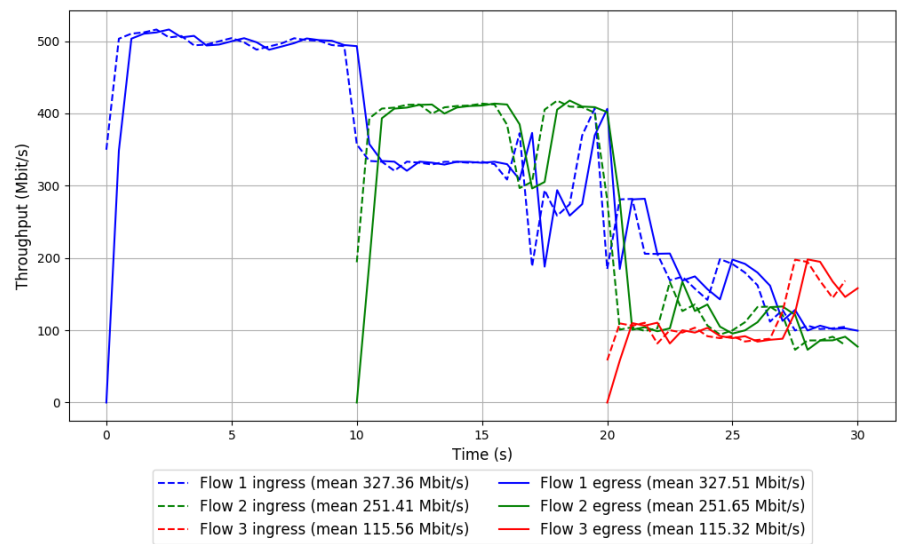


Run 9: Statistics of Copa

Start at: 2018-08-10 05:01:35
End at: 2018-08-10 05:02:05
Local clock offset: -0.728 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-08-10 06:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 533.18 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 327.51 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 251.65 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 115.32 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.45%

Run 9: Report of Copa — Data Link

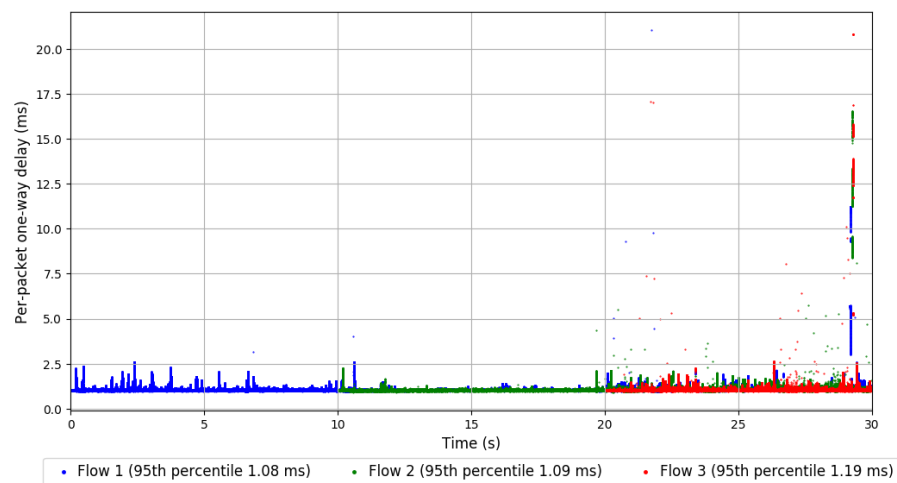
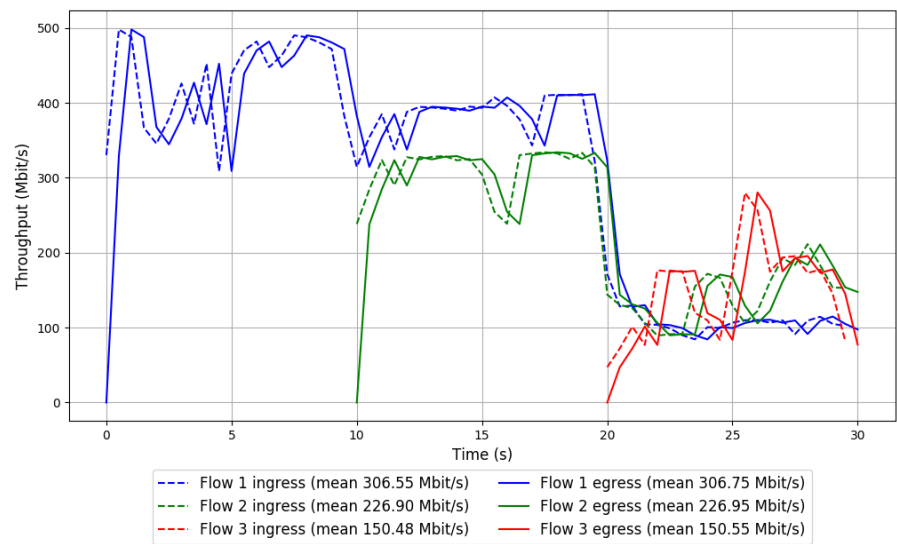


Run 10: Statistics of Copa

Start at: 2018-08-10 05:28:32
End at: 2018-08-10 05:29:02
Local clock offset: -1.14 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-08-10 06:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.61 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 306.75 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 226.95 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.55 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.18%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 01:31:42

End at: 2018-08-10 01:32:12

Local clock offset: 0.161 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-08-10 06:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 834.00 Mbit/s

95th percentile per-packet one-way delay: 10.733 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 461.10 Mbit/s

95th percentile per-packet one-way delay: 11.163 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 401.24 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.09%

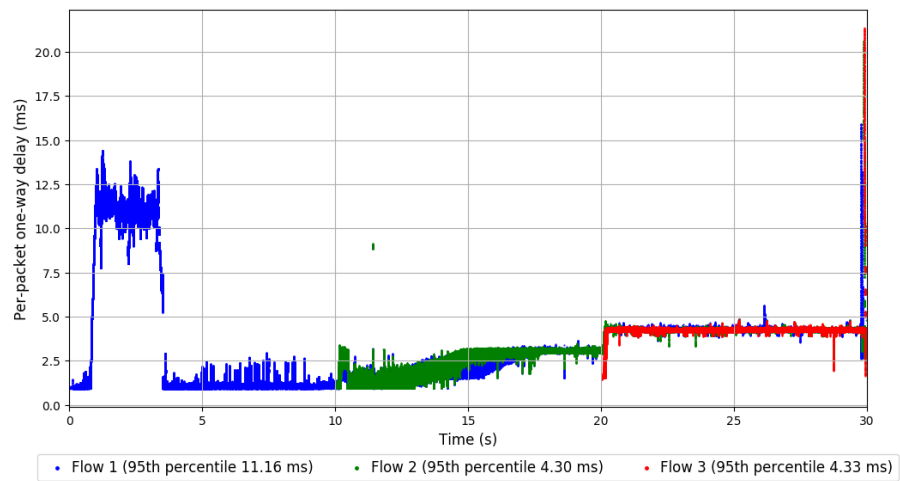
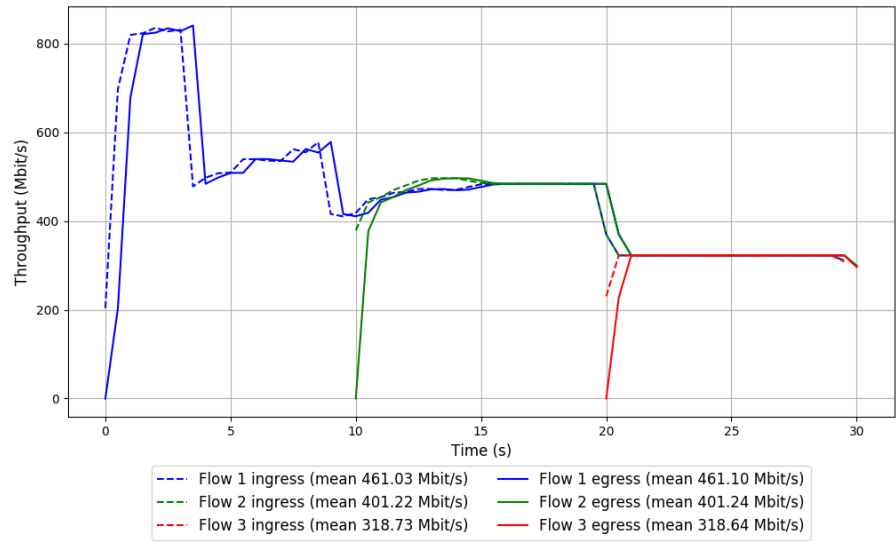
-- Flow 3:

Average throughput: 318.64 Mbit/s

95th percentile per-packet one-way delay: 4.327 ms

Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 01:58:38

End at: 2018-08-10 01:59:08

Local clock offset: -0.219 ms

Remote clock offset: 0.619 ms

Below is generated by plot.py at 2018-08-10 06:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 835.36 Mbit/s

95th percentile per-packet one-way delay: 11.201 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 469.38 Mbit/s

95th percentile per-packet one-way delay: 12.176 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 390.71 Mbit/s

95th percentile per-packet one-way delay: 4.243 ms

Loss rate: 0.10%

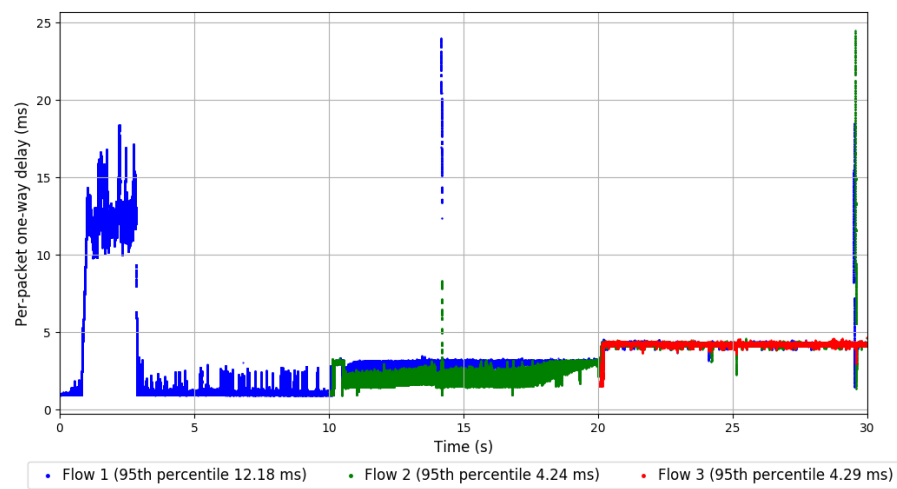
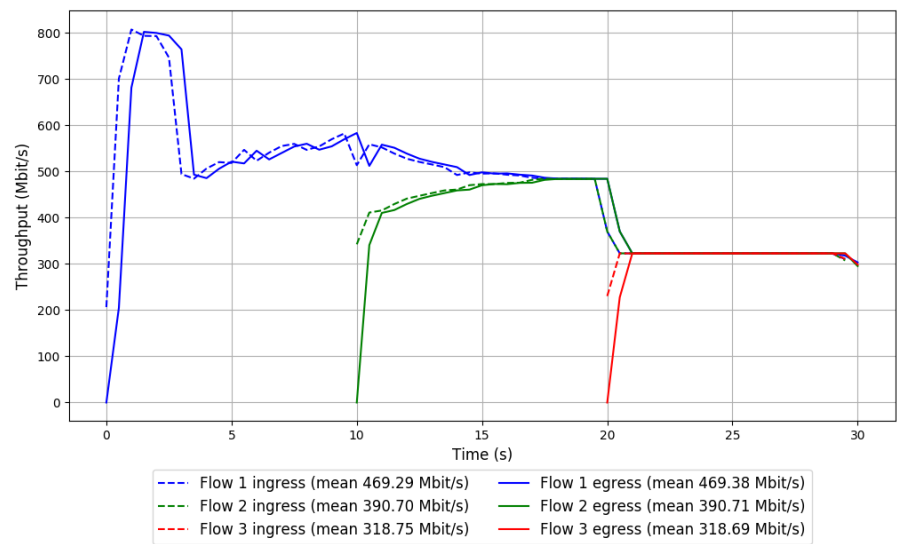
-- Flow 3:

Average throughput: 318.69 Mbit/s

95th percentile per-packet one-way delay: 4.285 ms

Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

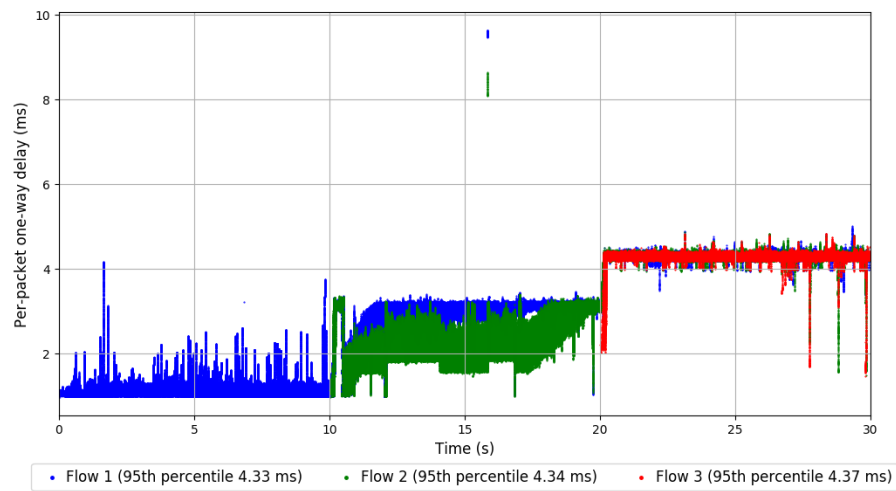
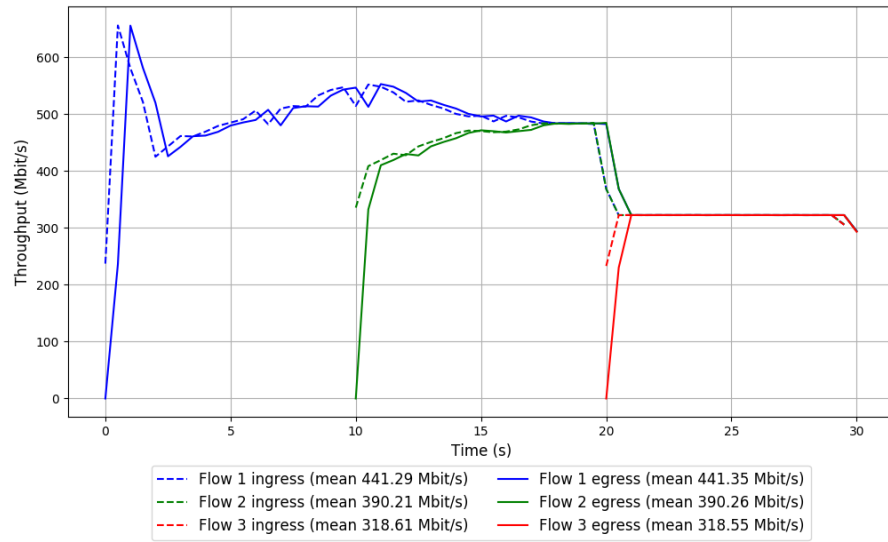


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 02:25:44
End at: 2018-08-10 02:26:14
Local clock offset: -0.369 ms
Remote clock offset: 0.048 ms

```
# Below is generated by plot.py at 2018-08-10 06:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 806.84 Mbit/s
95th percentile per-packet one-way delay: 4.344 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 441.35 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.26 Mbit/s
95th percentile per-packet one-way delay: 4.343 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.55 Mbit/s
95th percentile per-packet one-way delay: 4.372 ms
Loss rate: 0.23%
```

Run 3: Report of TCP Cubic — Data Link

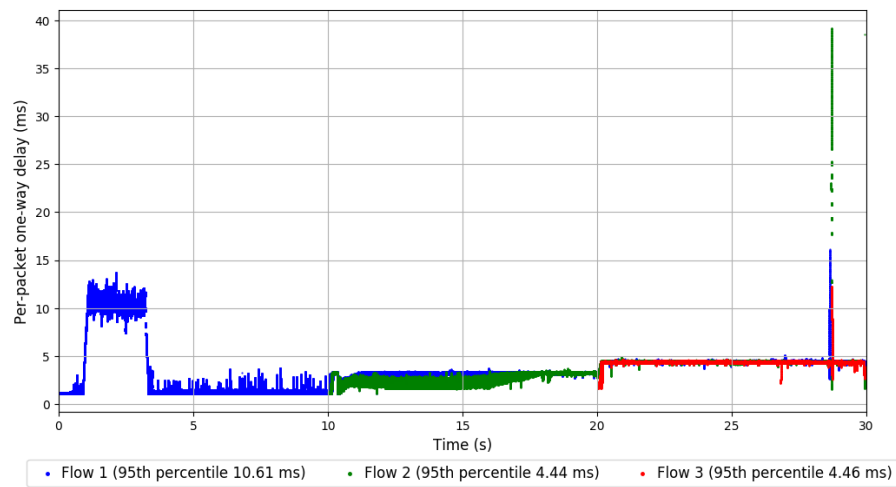
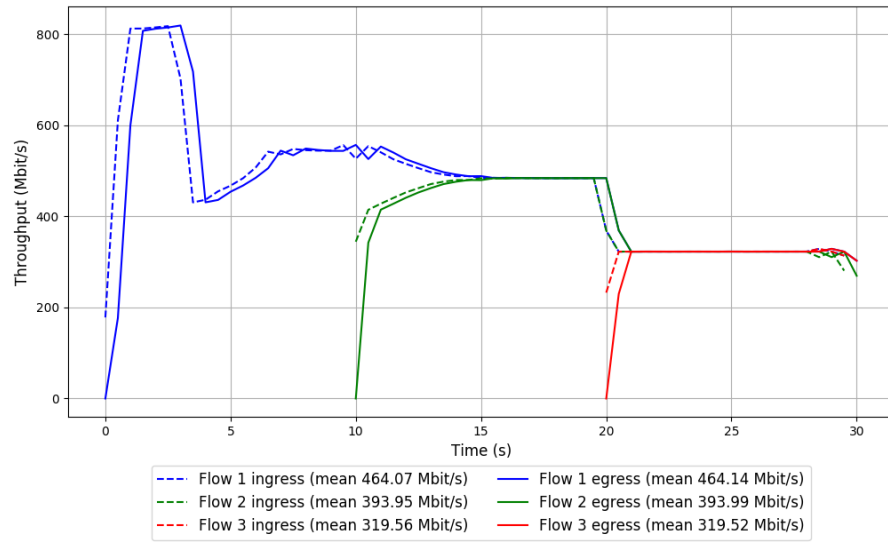


Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 02:52:39
End at: 2018-08-10 02:53:09
Local clock offset: -0.325 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-10 06:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.49 Mbit/s
95th percentile per-packet one-way delay: 9.998 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 464.14 Mbit/s
95th percentile per-packet one-way delay: 10.608 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.99 Mbit/s
95th percentile per-packet one-way delay: 4.444 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.52 Mbit/s
95th percentile per-packet one-way delay: 4.455 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 03:19:46

End at: 2018-08-10 03:20:16

Local clock offset: -0.318 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-08-10 06:44:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 818.70 Mbit/s

95th percentile per-packet one-way delay: 4.332 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 448.68 Mbit/s

95th percentile per-packet one-way delay: 4.344 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 395.80 Mbit/s

95th percentile per-packet one-way delay: 4.316 ms

Loss rate: 0.09%

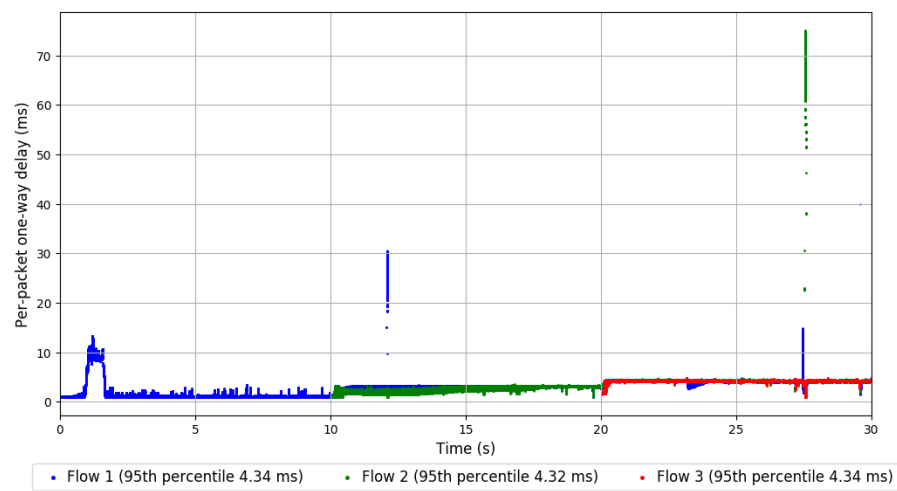
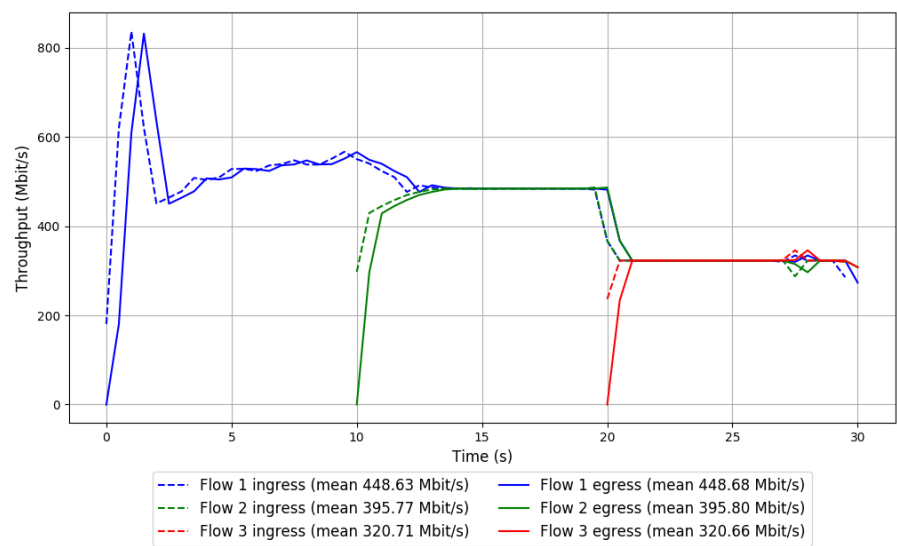
-- Flow 3:

Average throughput: 320.66 Mbit/s

95th percentile per-packet one-way delay: 4.345 ms

Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link

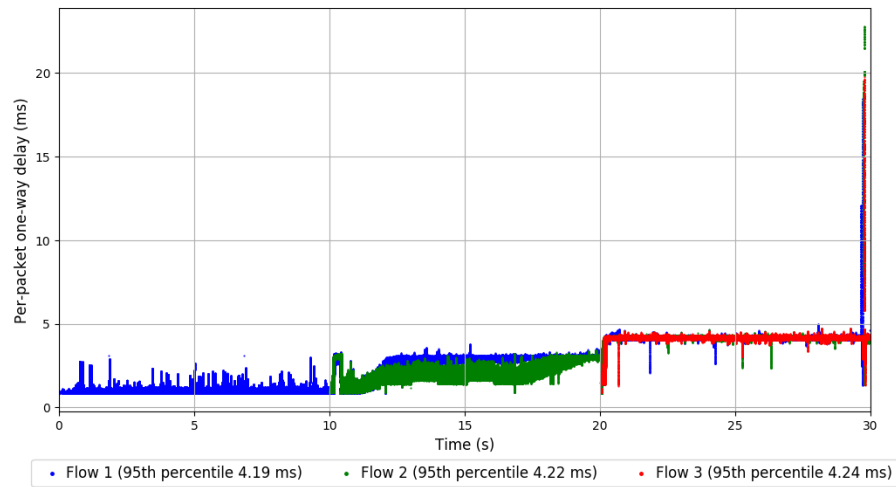
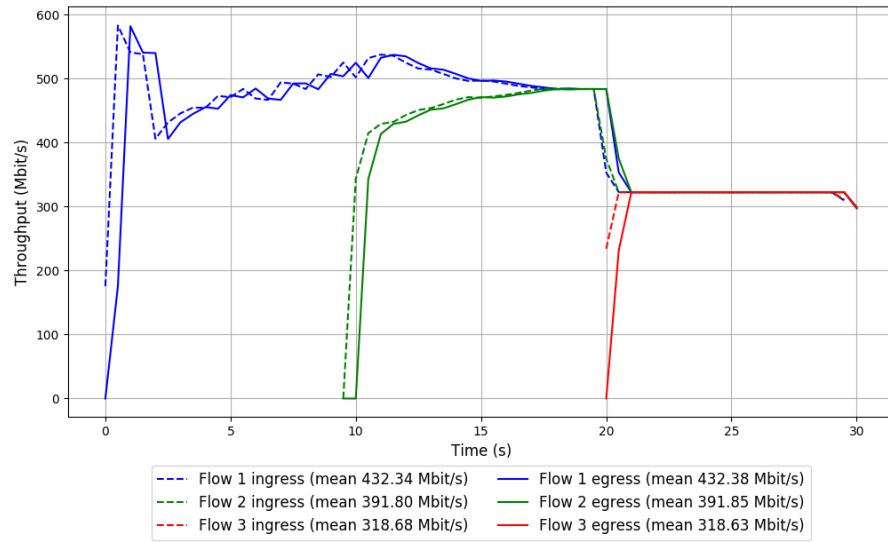


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 03:46:50
End at: 2018-08-10 03:47:20
Local clock offset: -0.384 ms
Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-08-10 06:44:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.23 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 432.38 Mbit/s
95th percentile per-packet one-way delay: 4.191 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 391.85 Mbit/s
95th percentile per-packet one-way delay: 4.221 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.63 Mbit/s
95th percentile per-packet one-way delay: 4.236 ms
Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link

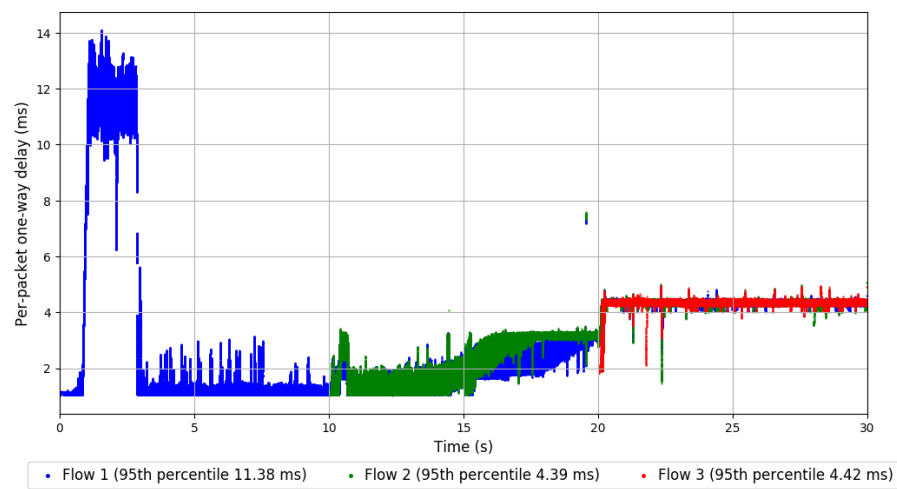
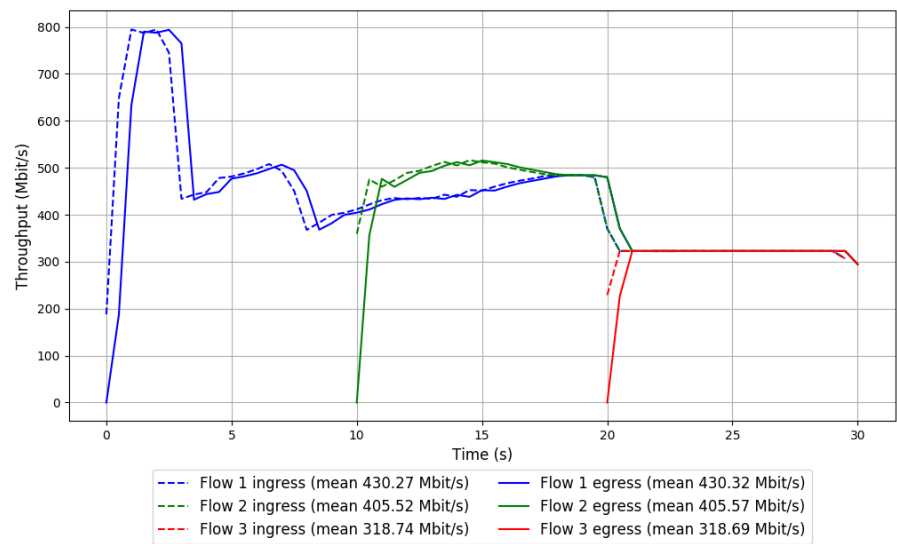


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 04:13:50
End at: 2018-08-10 04:14:20
Local clock offset: -0.239 ms
Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-08-10 06:45:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.07 Mbit/s
95th percentile per-packet one-way delay: 10.725 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 430.32 Mbit/s
95th percentile per-packet one-way delay: 11.376 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 405.57 Mbit/s
95th percentile per-packet one-way delay: 4.387 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.69 Mbit/s
95th percentile per-packet one-way delay: 4.421 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

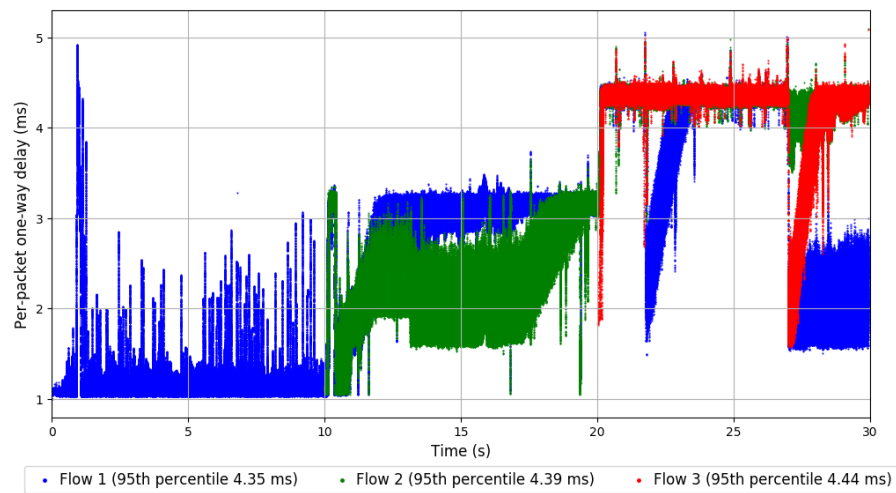
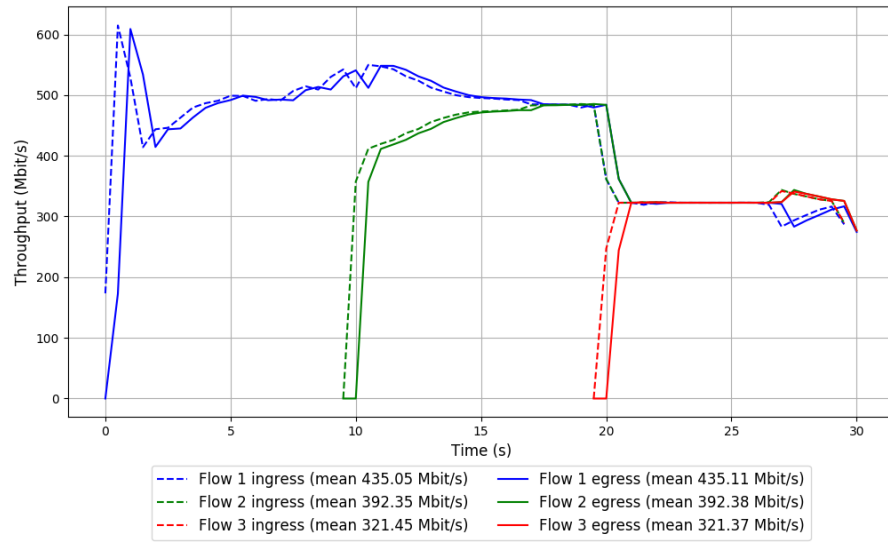


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 04:40:52
End at: 2018-08-10 04:41:22
Local clock offset: -0.276 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-10 06:45:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 803.28 Mbit/s
95th percentile per-packet one-way delay: 4.393 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 435.11 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.38 Mbit/s
95th percentile per-packet one-way delay: 4.387 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.37 Mbit/s
95th percentile per-packet one-way delay: 4.436 ms
Loss rate: 0.24%

Run 8: Report of TCP Cubic — Data Link

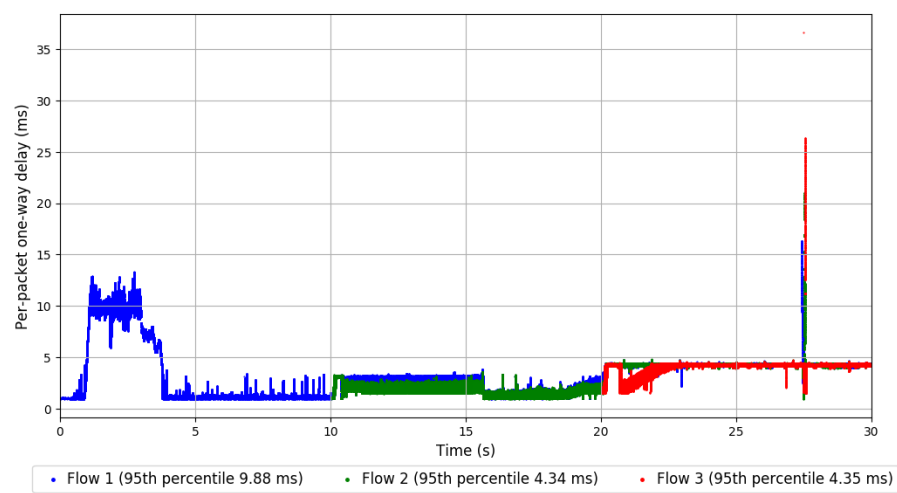
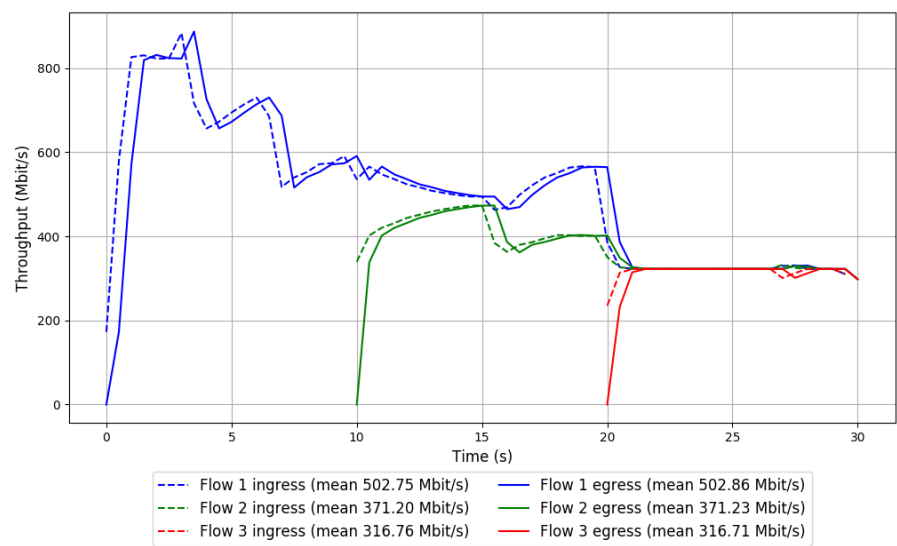


Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 05:07:54
End at: 2018-08-10 05:08:24
Local clock offset: -0.9 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-10 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 855.25 Mbit/s
95th percentile per-packet one-way delay: 9.335 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 502.86 Mbit/s
95th percentile per-packet one-way delay: 9.875 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 371.23 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.71 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link

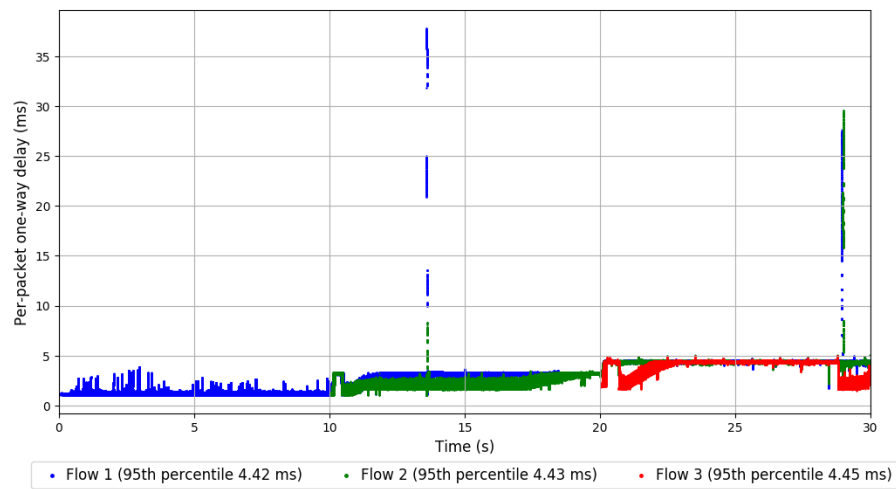
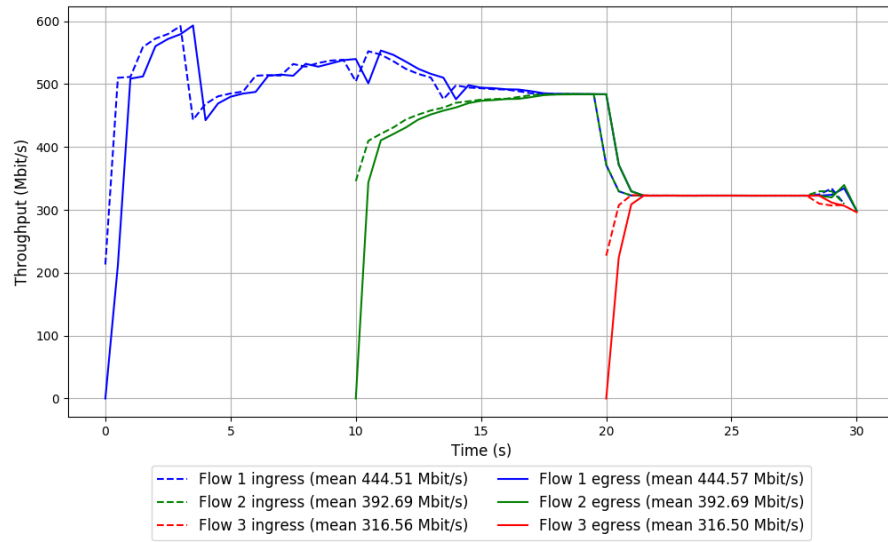


Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 05:34:48
End at: 2018-08-10 05:35:18
Local clock offset: -1.114 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-10 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 811.04 Mbit/s
95th percentile per-packet one-way delay: 4.434 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 444.57 Mbit/s
95th percentile per-packet one-way delay: 4.425 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.69 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.50 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.21%

Run 10: Report of TCP Cubic — Data Link

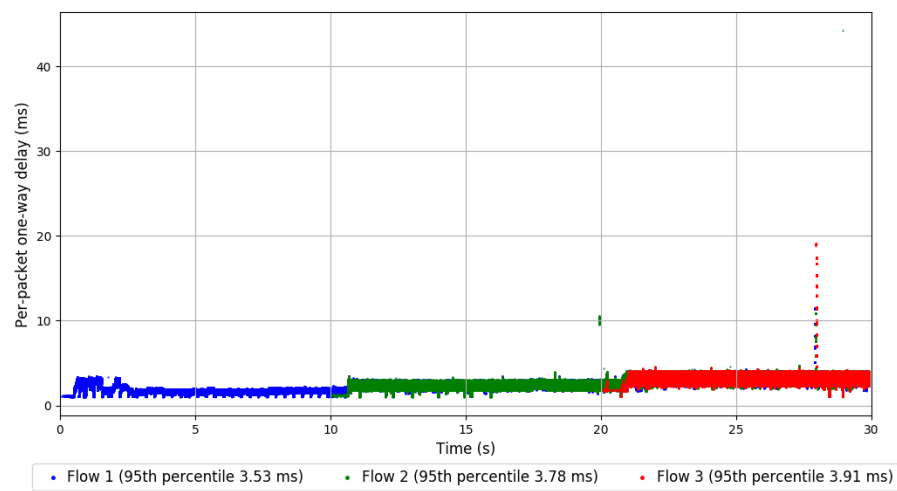
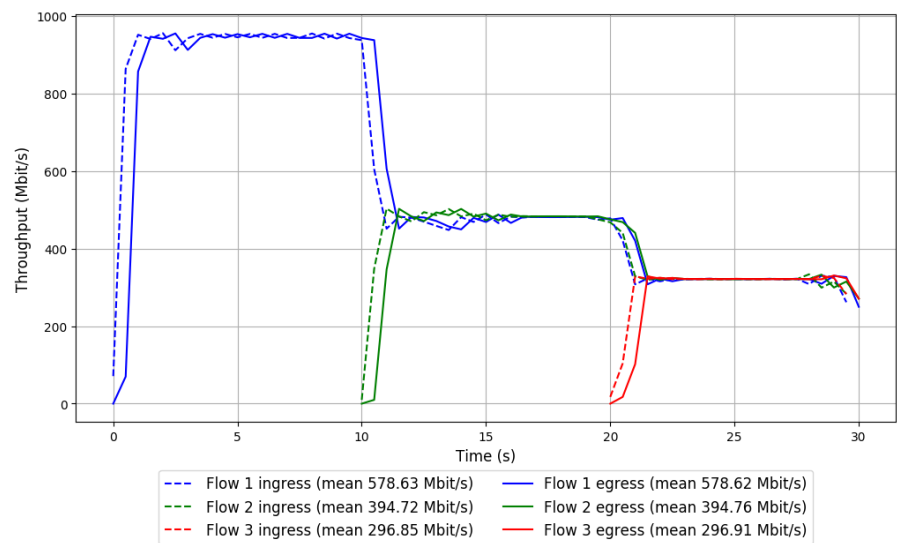


Run 1: Statistics of FillP

Start at: 2018-08-10 01:22:00
End at: 2018-08-10 01:22:30
Local clock offset: 0.12 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-10 06:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.40 Mbit/s
95th percentile per-packet one-way delay: 3.746 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 578.62 Mbit/s
95th percentile per-packet one-way delay: 3.532 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 394.76 Mbit/s
95th percentile per-packet one-way delay: 3.782 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 296.91 Mbit/s
95th percentile per-packet one-way delay: 3.906 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-10 01:48:58

End at: 2018-08-10 01:49:28

Local clock offset: 0.081 ms

Remote clock offset: 0.635 ms

Below is generated by plot.py at 2018-08-10 06:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 914.82 Mbit/s

95th percentile per-packet one-way delay: 3.803 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 557.96 Mbit/s

95th percentile per-packet one-way delay: 3.646 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 386.27 Mbit/s

95th percentile per-packet one-way delay: 3.833 ms

Loss rate: 0.08%

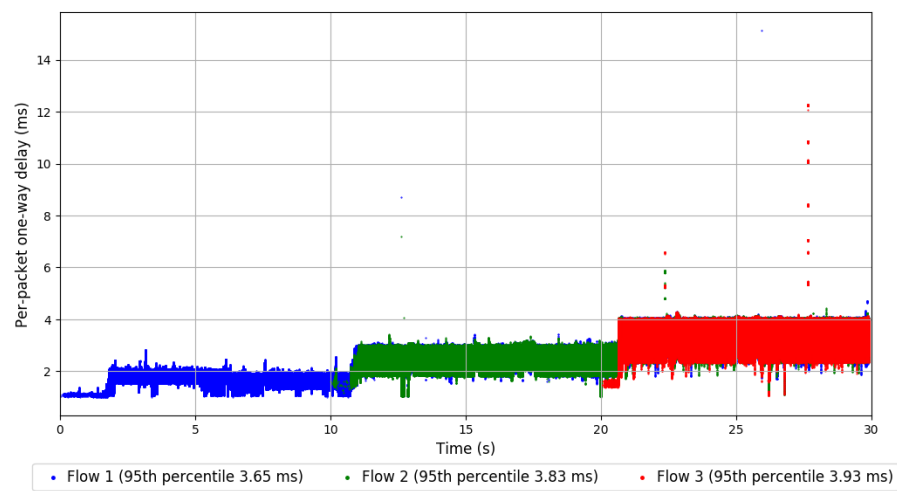
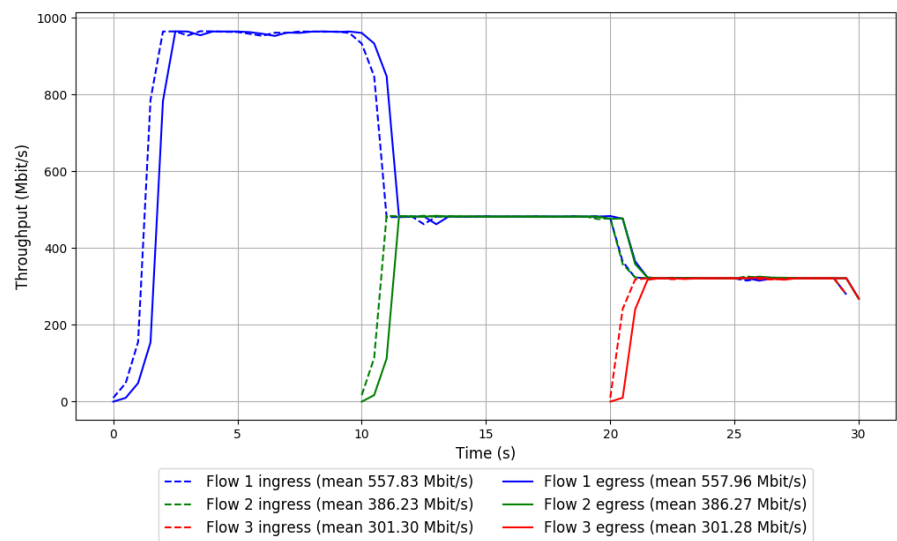
-- Flow 3:

Average throughput: 301.28 Mbit/s

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

Loss rate: 0.21%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-10 02:15:58

End at: 2018-08-10 02:16:28

Local clock offset: -0.38 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-08-10 06:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 938.09 Mbit/s

95th percentile per-packet one-way delay: 3.766 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 578.60 Mbit/s

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

Loss rate: 0.04%

-- Flow 2:

Average throughput: 389.66 Mbit/s

95th percentile per-packet one-way delay: 3.678 ms

Loss rate: 0.09%

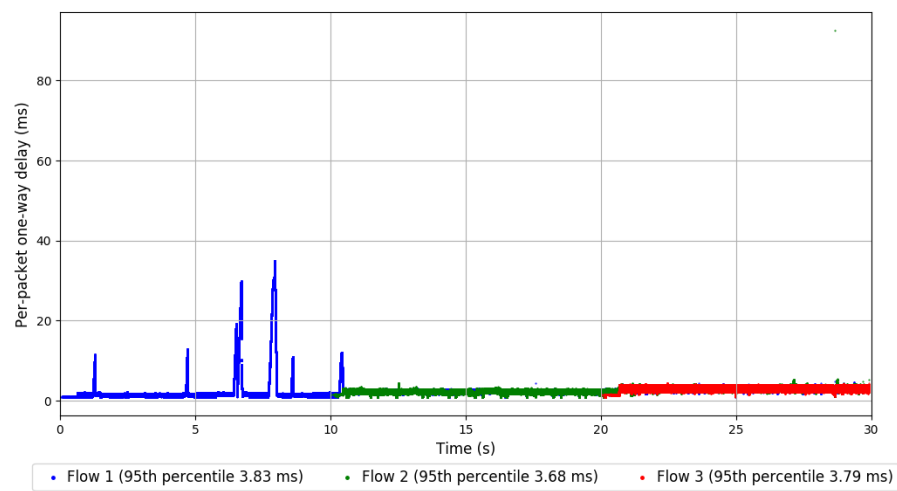
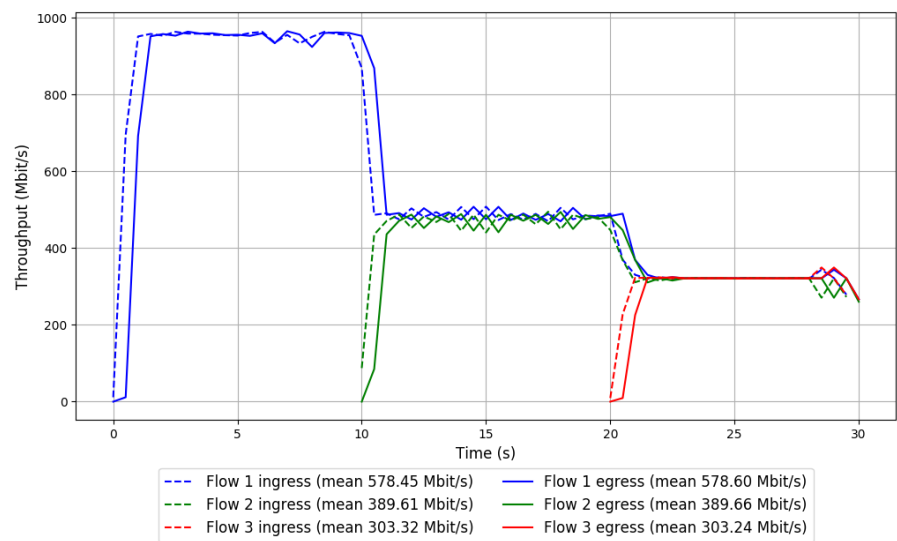
-- Flow 3:

Average throughput: 303.24 Mbit/s

95th percentile per-packet one-way delay: 3.794 ms

Loss rate: 0.23%

Run 3: Report of FillP — Data Link

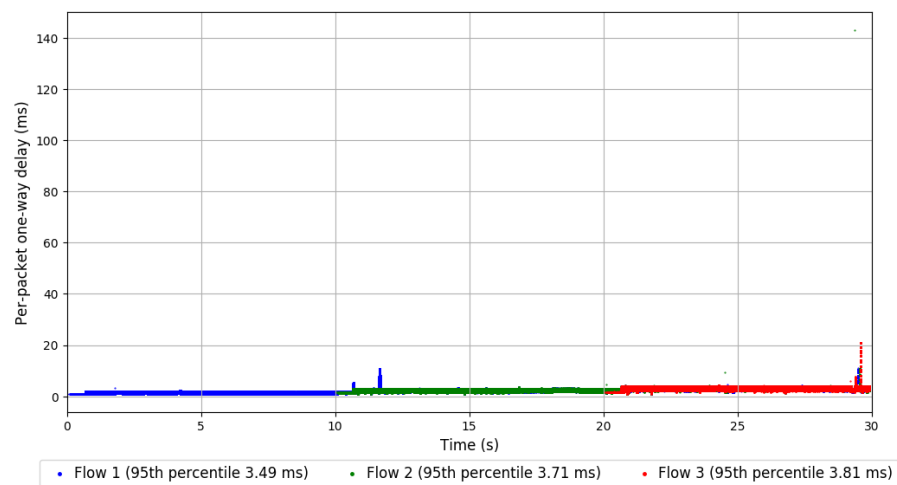
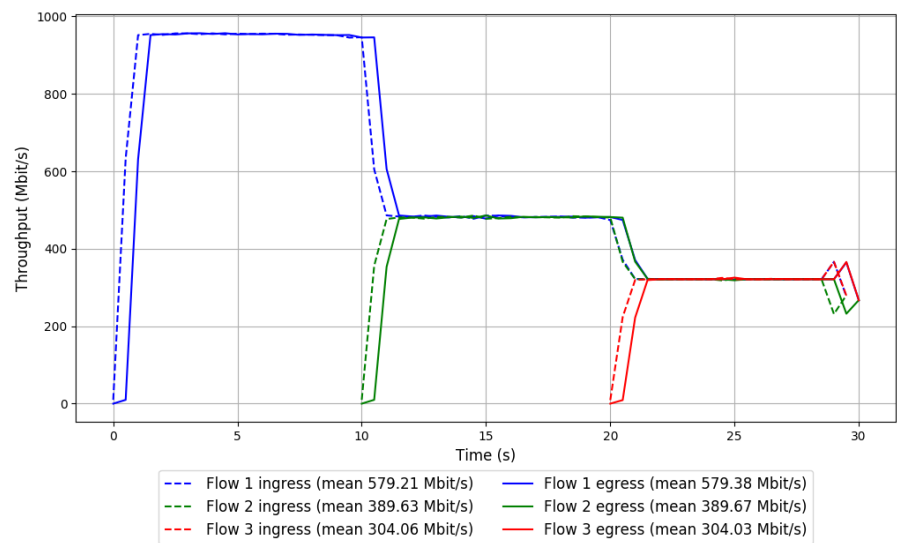


Run 4: Statistics of FillP

Start at: 2018-08-10 02:42:59
End at: 2018-08-10 02:43:29
Local clock offset: -0.474 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-10 06:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.02 Mbit/s
95th percentile per-packet one-way delay: 3.667 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 579.38 Mbit/s
95th percentile per-packet one-way delay: 3.487 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.67 Mbit/s
95th percentile per-packet one-way delay: 3.707 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 304.03 Mbit/s
95th percentile per-packet one-way delay: 3.811 ms
Loss rate: 0.24%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-10 03:10:01

End at: 2018-08-10 03:10:31

Local clock offset: -0.481 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-10 06:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 941.77 Mbit/s

95th percentile per-packet one-way delay: 3.655 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 580.14 Mbit/s

95th percentile per-packet one-way delay: 3.457 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 393.17 Mbit/s

95th percentile per-packet one-way delay: 3.692 ms

Loss rate: 0.09%

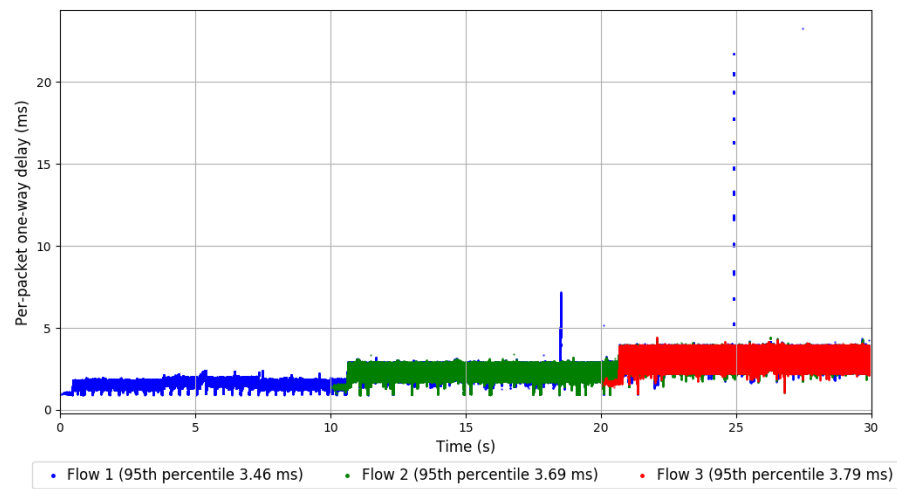
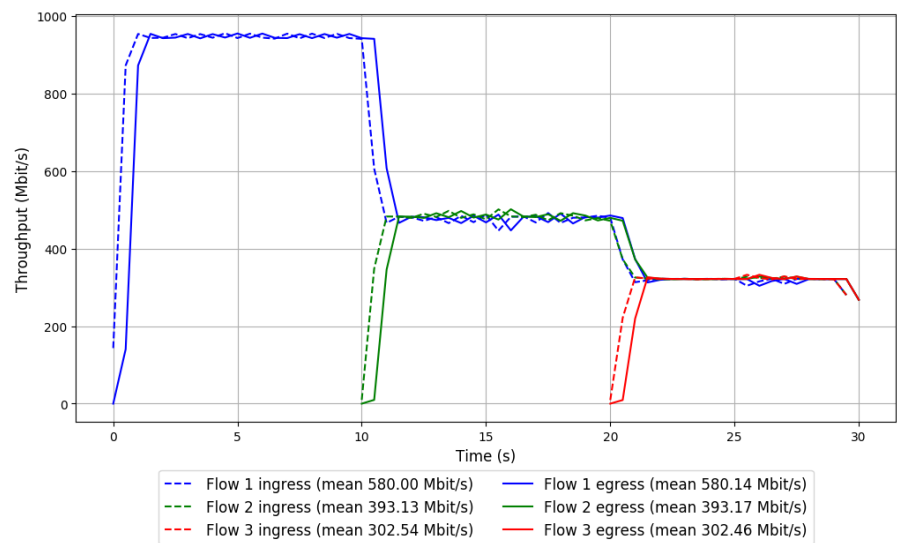
-- Flow 3:

Average throughput: 302.46 Mbit/s

95th percentile per-packet one-way delay: 3.795 ms

Loss rate: 0.23%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-10 03:37:06

End at: 2018-08-10 03:37:36

Local clock offset: -0.255 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-08-10 06:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 928.01 Mbit/s

95th percentile per-packet one-way delay: 26.215 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 567.56 Mbit/s

95th percentile per-packet one-way delay: 32.926 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 387.81 Mbit/s

95th percentile per-packet one-way delay: 3.770 ms

Loss rate: 0.09%

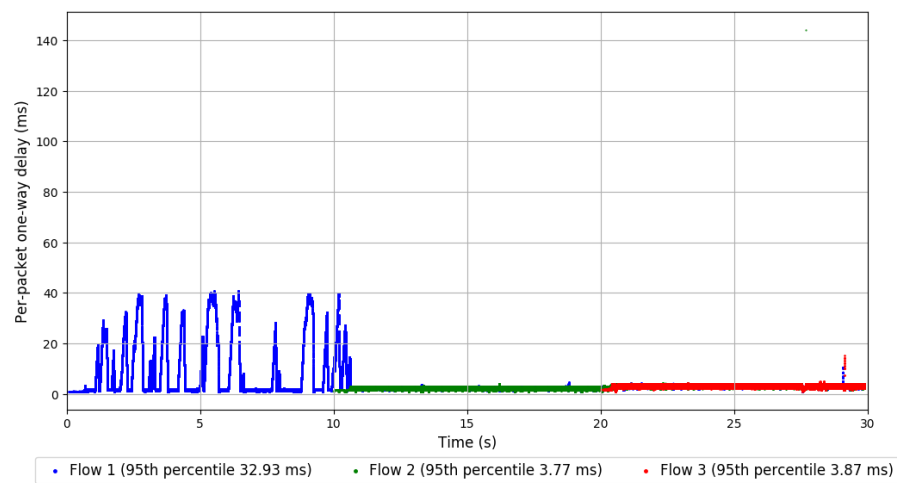
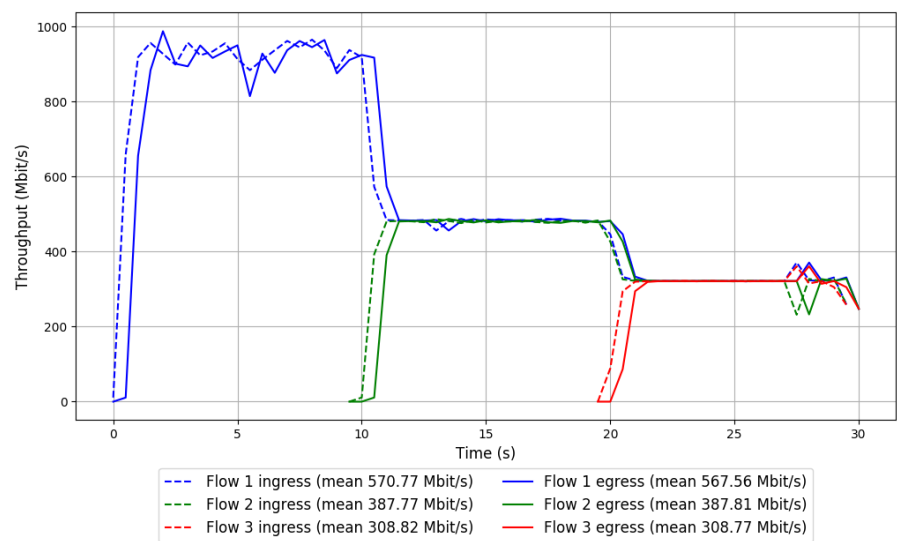
-- Flow 3:

Average throughput: 308.77 Mbit/s

95th percentile per-packet one-way delay: 3.871 ms

Loss rate: 0.22%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-10 04:04:06

End at: 2018-08-10 04:04:36

Local clock offset: -0.22 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-08-10 06:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 917.30 Mbit/s

95th percentile per-packet one-way delay: 4.605 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 557.26 Mbit/s

95th percentile per-packet one-way delay: 7.867 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 391.65 Mbit/s

95th percentile per-packet one-way delay: 3.794 ms

Loss rate: 0.09%

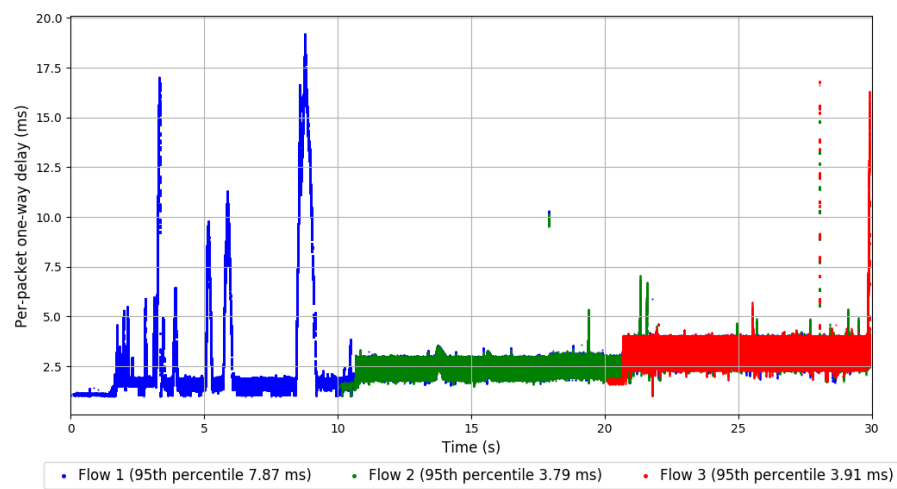
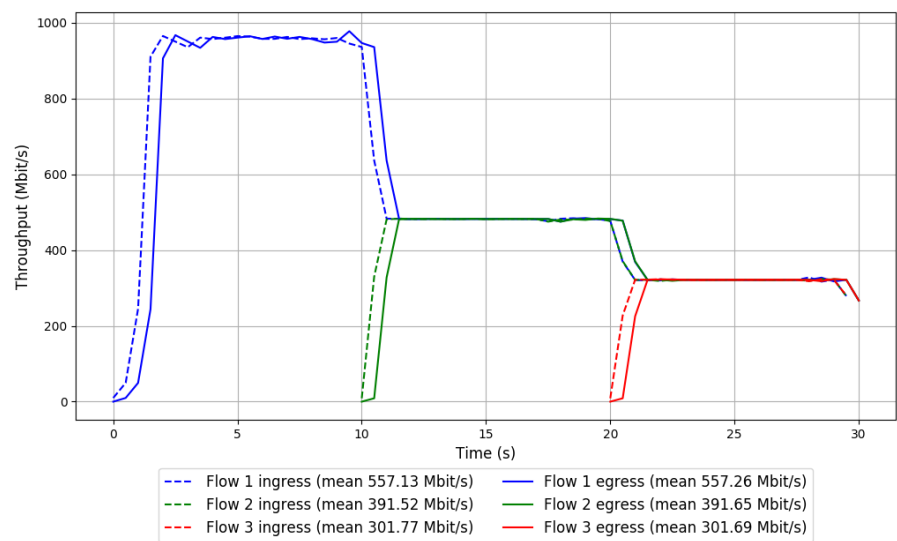
-- Flow 3:

Average throughput: 301.69 Mbit/s

95th percentile per-packet one-way delay: 3.908 ms

Loss rate: 0.24%

Run 7: Report of FillP — Data Link

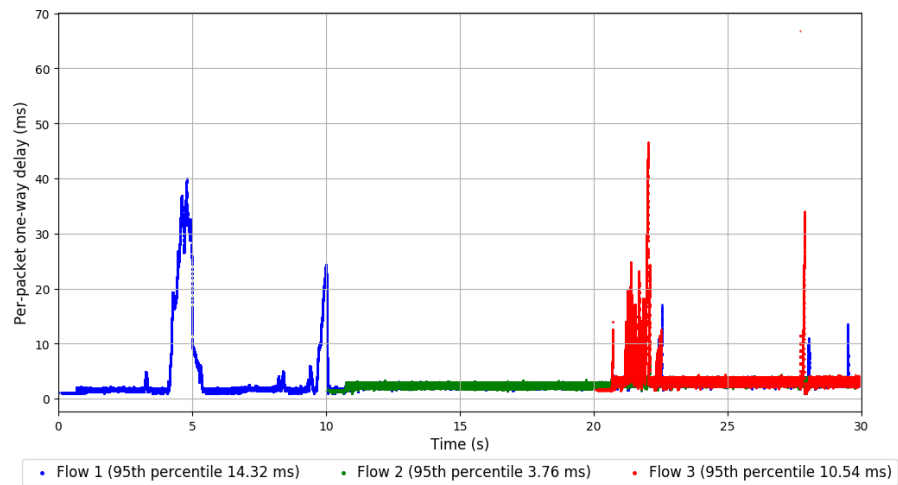
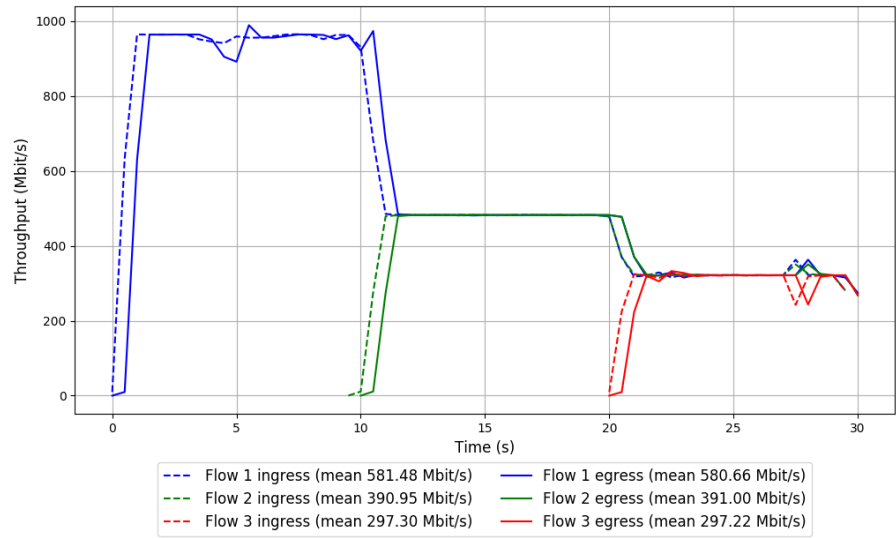


Run 8: Statistics of FillP

Start at: 2018-08-10 04:31:10
End at: 2018-08-10 04:31:40
Local clock offset: -0.204 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-10 06:59:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.19 Mbit/s
95th percentile per-packet one-way delay: 7.615 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 580.66 Mbit/s
95th percentile per-packet one-way delay: 14.319 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 391.00 Mbit/s
95th percentile per-packet one-way delay: 3.756 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 297.22 Mbit/s
95th percentile per-packet one-way delay: 10.538 ms
Loss rate: 0.25%

Run 8: Report of FillP — Data Link

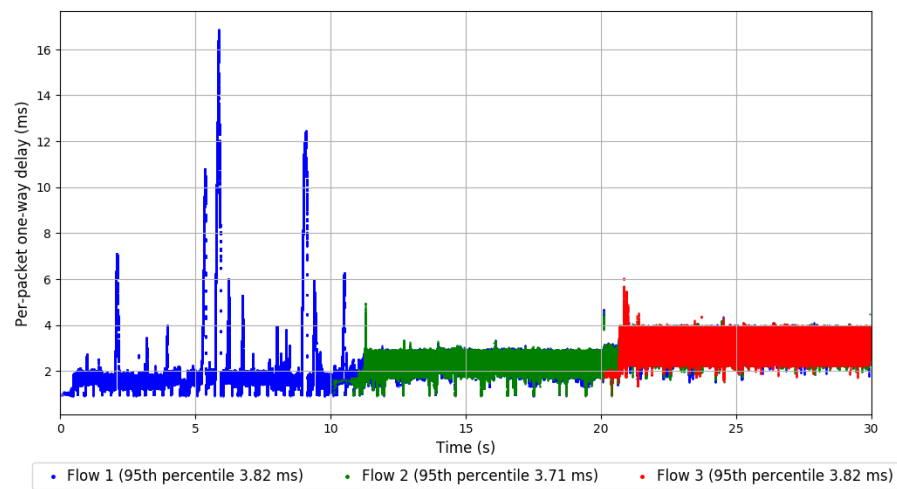
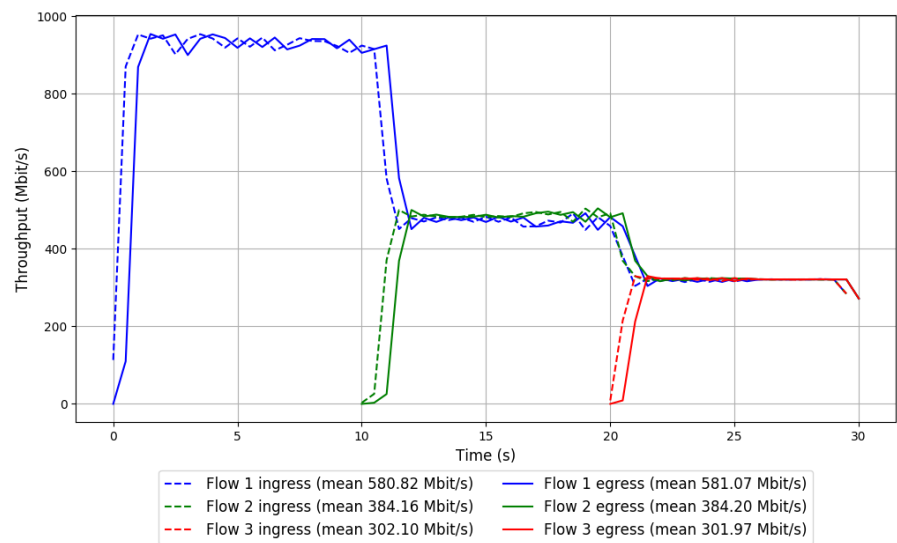


Run 9: Statistics of FillP

Start at: 2018-08-10 04:58:07
End at: 2018-08-10 04:58:37
Local clock offset: -0.748 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-08-10 07:02:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 936.41 Mbit/s
95th percentile per-packet one-way delay: 3.781 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 581.07 Mbit/s
95th percentile per-packet one-way delay: 3.817 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 384.20 Mbit/s
95th percentile per-packet one-way delay: 3.713 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 301.97 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.24%

Run 9: Report of FillP — Data Link

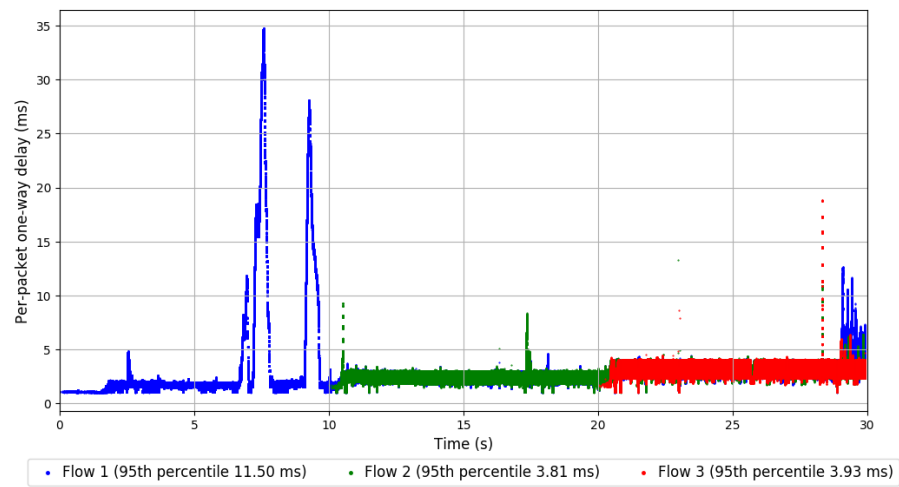
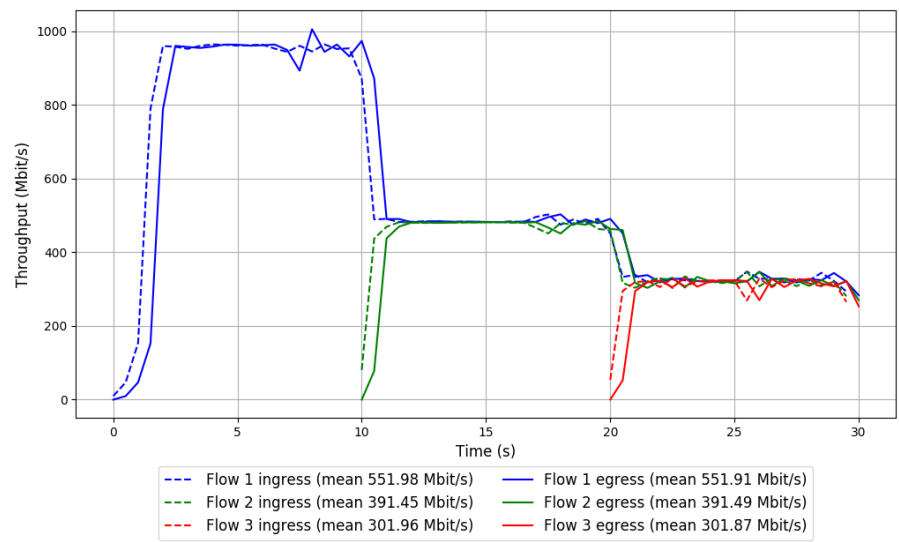


Run 10: Statistics of FillP

Start at: 2018-08-10 05:25:05
End at: 2018-08-10 05:25:35
Local clock offset: -1.027 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-08-10 07:02:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 912.23 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 551.91 Mbit/s
95th percentile per-packet one-way delay: 11.504 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 391.49 Mbit/s
95th percentile per-packet one-way delay: 3.808 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 301.87 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.21%

Run 10: Report of FillP — Data Link

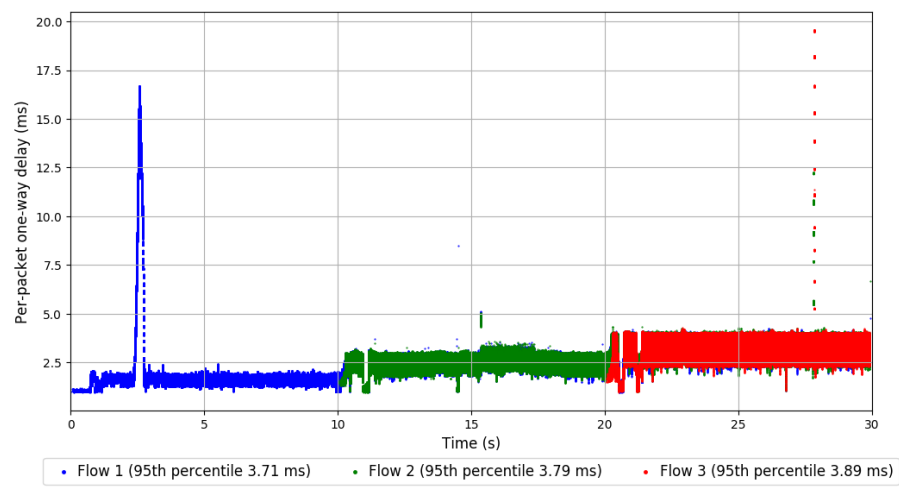
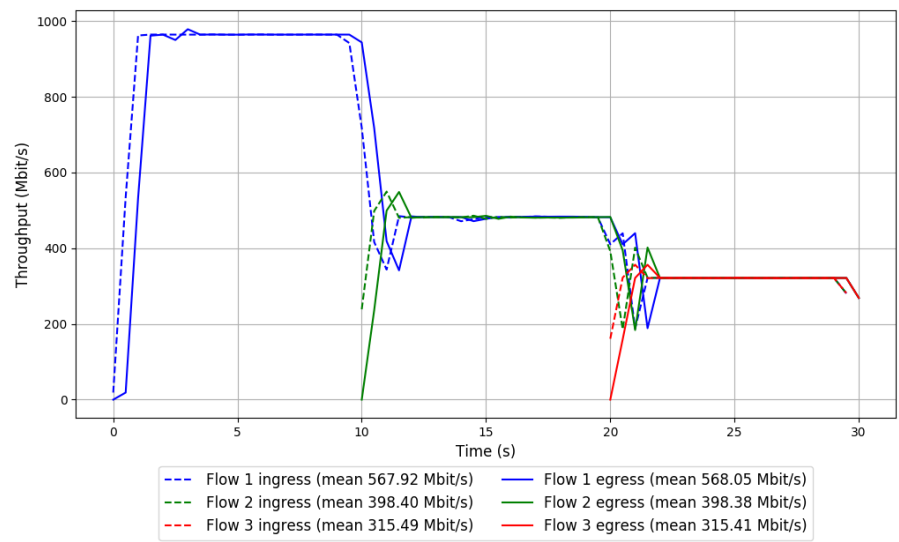


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 01:23:44
End at: 2018-08-10 01:24:14
Local clock offset: 0.14 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-10 07:09:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.38 Mbit/s
95th percentile per-packet one-way delay: 3.795 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 568.05 Mbit/s
95th percentile per-packet one-way delay: 3.707 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.38 Mbit/s
95th percentile per-packet one-way delay: 3.792 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.41 Mbit/s
95th percentile per-packet one-way delay: 3.893 ms
Loss rate: 0.23%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 01:50:40

End at: 2018-08-10 01:51:10

Local clock offset: 0.031 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2018-08-10 07:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 949.80 Mbit/s

95th percentile per-packet one-way delay: 3.741 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 580.60 Mbit/s

95th percentile per-packet one-way delay: 3.553 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 397.12 Mbit/s

95th percentile per-packet one-way delay: 3.775 ms

Loss rate: 0.08%

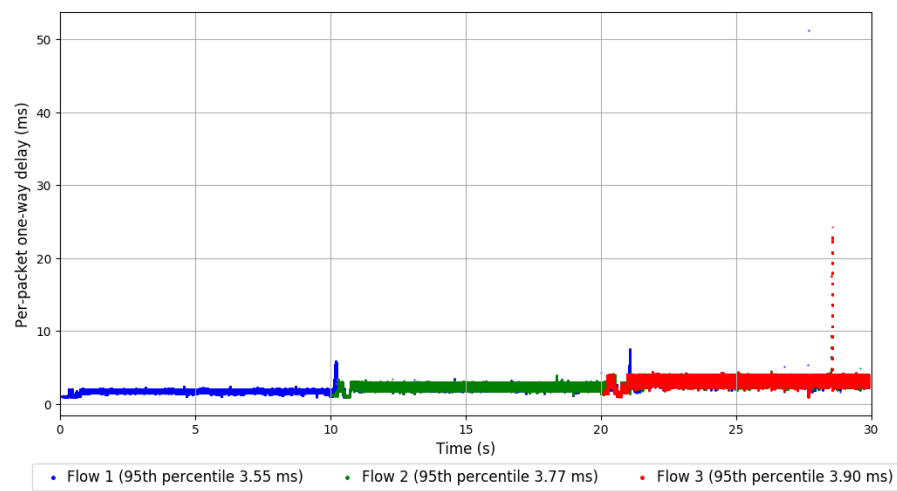
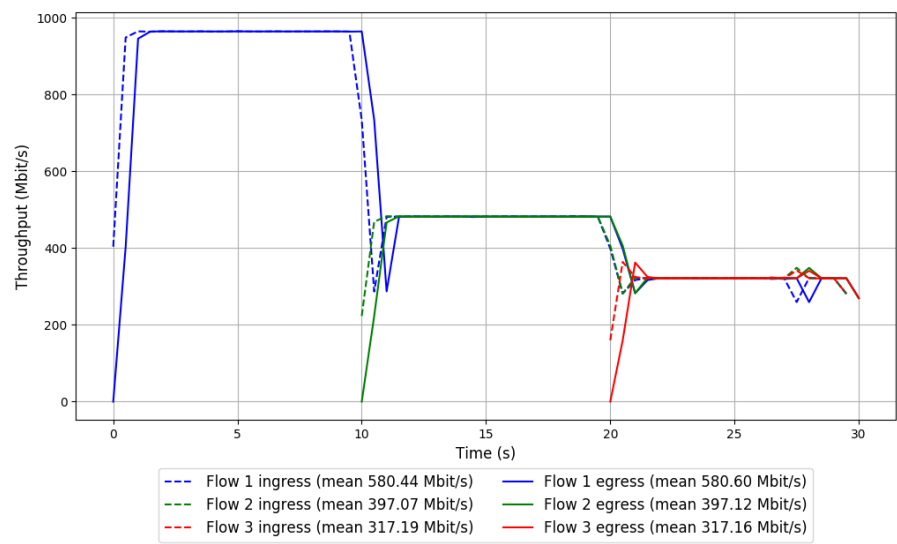
-- Flow 3:

Average throughput: 317.16 Mbit/s

95th percentile per-packet one-way delay: 3.895 ms

Loss rate: 0.21%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 02:17:42

End at: 2018-08-10 02:18:12

Local clock offset: -0.368 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-08-10 07:10:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 949.78 Mbit/s

95th percentile per-packet one-way delay: 3.787 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 581.46 Mbit/s

95th percentile per-packet one-way delay: 15.940 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 396.91 Mbit/s

95th percentile per-packet one-way delay: 3.606 ms

Loss rate: 0.08%

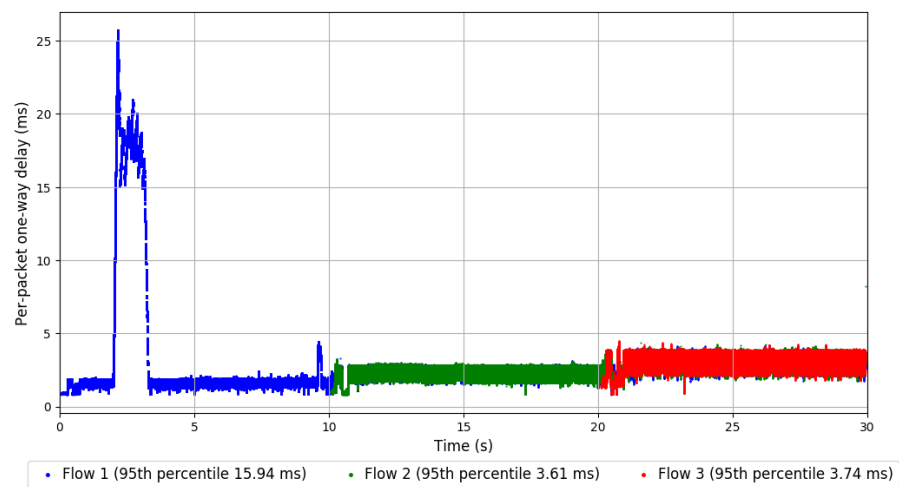
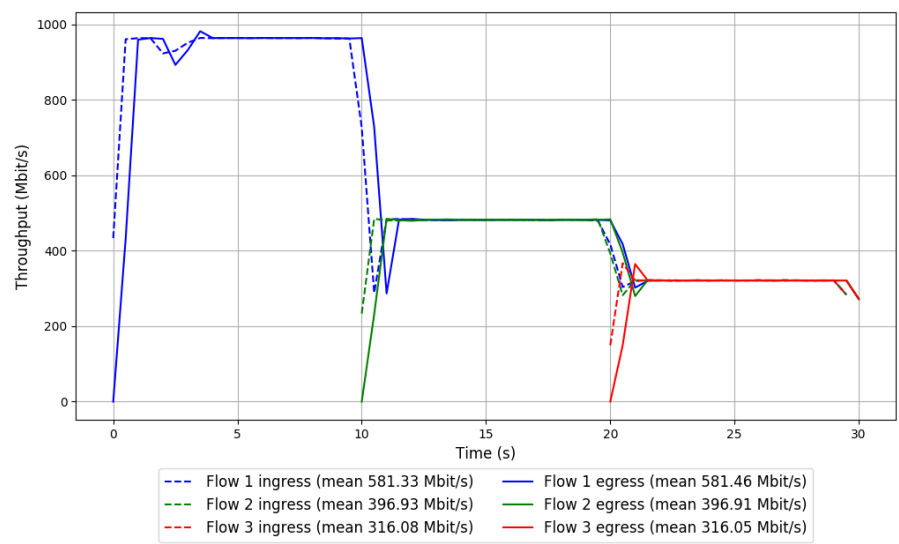
-- Flow 3:

Average throughput: 316.05 Mbit/s

95th percentile per-packet one-way delay: 3.736 ms

Loss rate: 0.21%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 02:44:43

End at: 2018-08-10 02:45:13

Local clock offset: -0.393 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-10 07:10:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 949.01 Mbit/s

95th percentile per-packet one-way delay: 6.868 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 579.24 Mbit/s

95th percentile per-packet one-way delay: 11.489 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 396.49 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.08%

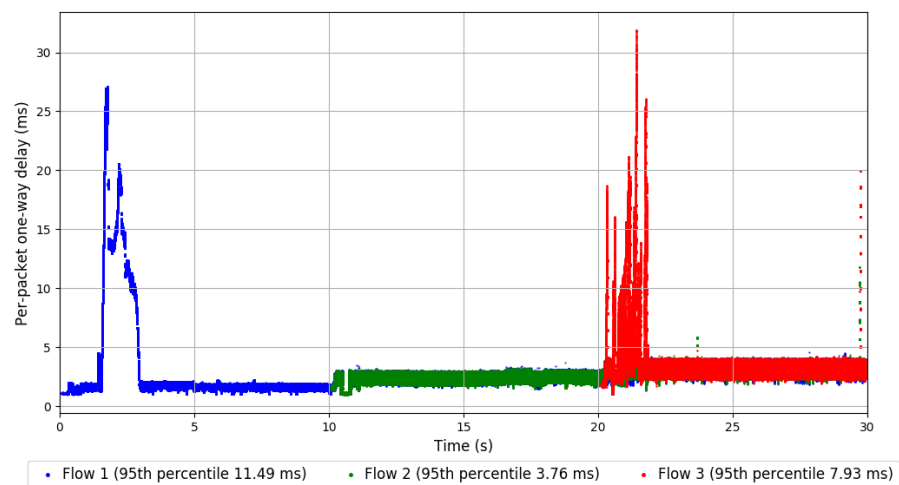
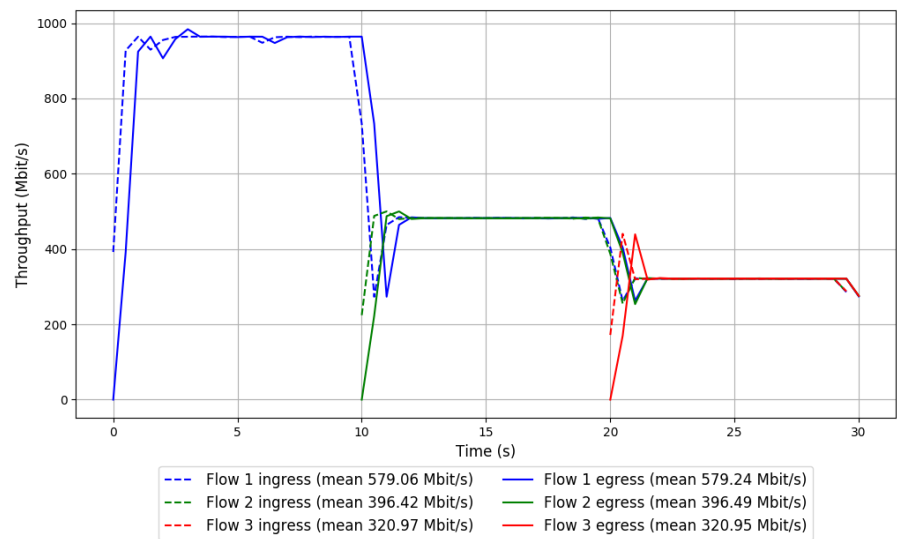
-- Flow 3:

Average throughput: 320.95 Mbit/s

95th percentile per-packet one-way delay: 7.932 ms

Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link

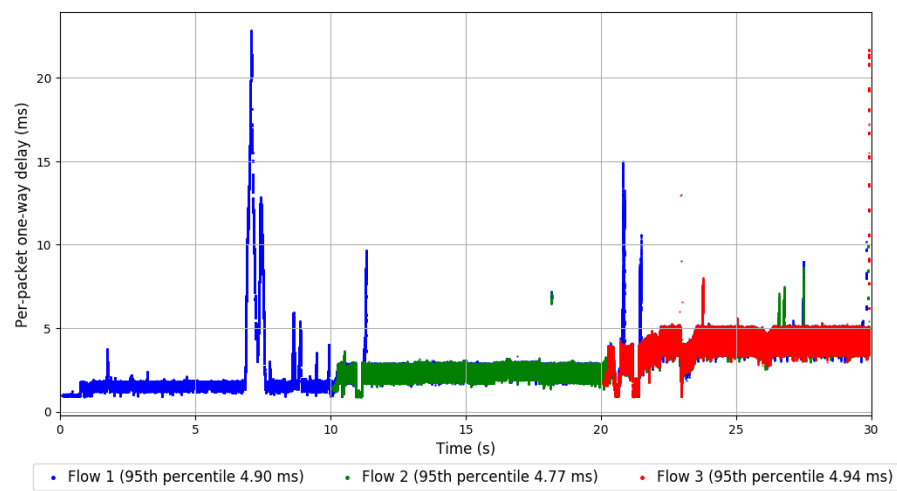
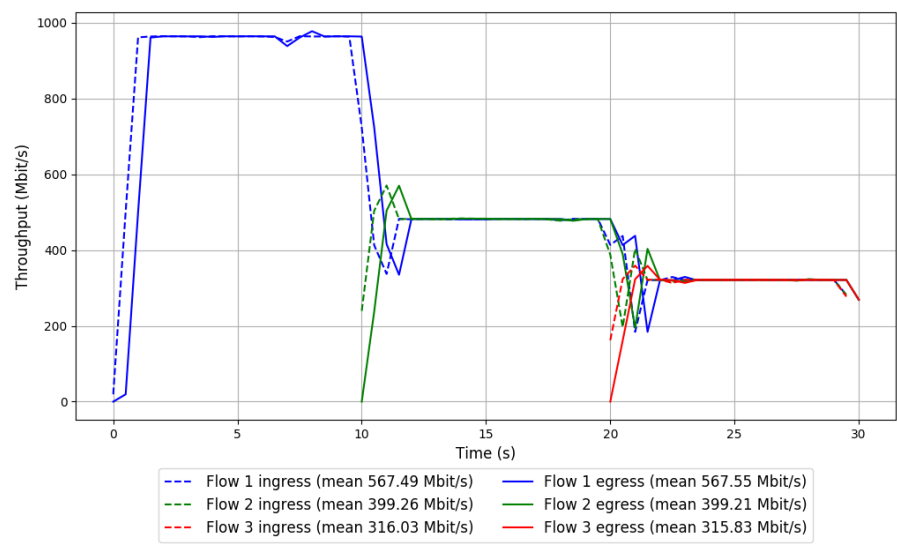


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 03:11:45
End at: 2018-08-10 03:12:15
Local clock offset: -0.495 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-10 07:11:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.44 Mbit/s
95th percentile per-packet one-way delay: 4.870 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 567.55 Mbit/s
95th percentile per-packet one-way delay: 4.903 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 399.21 Mbit/s
95th percentile per-packet one-way delay: 4.770 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 315.83 Mbit/s
95th percentile per-packet one-way delay: 4.936 ms
Loss rate: 0.20%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 03:38:49

End at: 2018-08-10 03:39:19

Local clock offset: -0.339 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-10 07:12:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 914.55 Mbit/s

95th percentile per-packet one-way delay: 33.653 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 545.41 Mbit/s

95th percentile per-packet one-way delay: 35.939 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 396.97 Mbit/s

95th percentile per-packet one-way delay: 3.677 ms

Loss rate: 0.09%

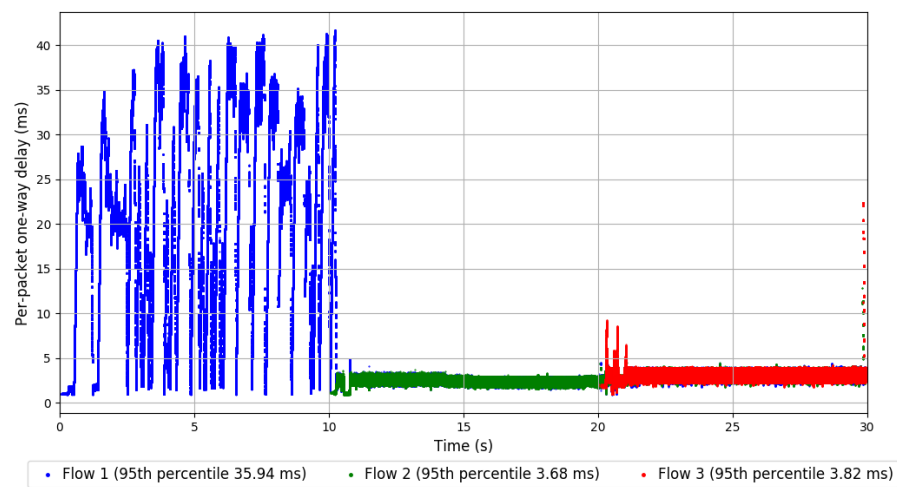
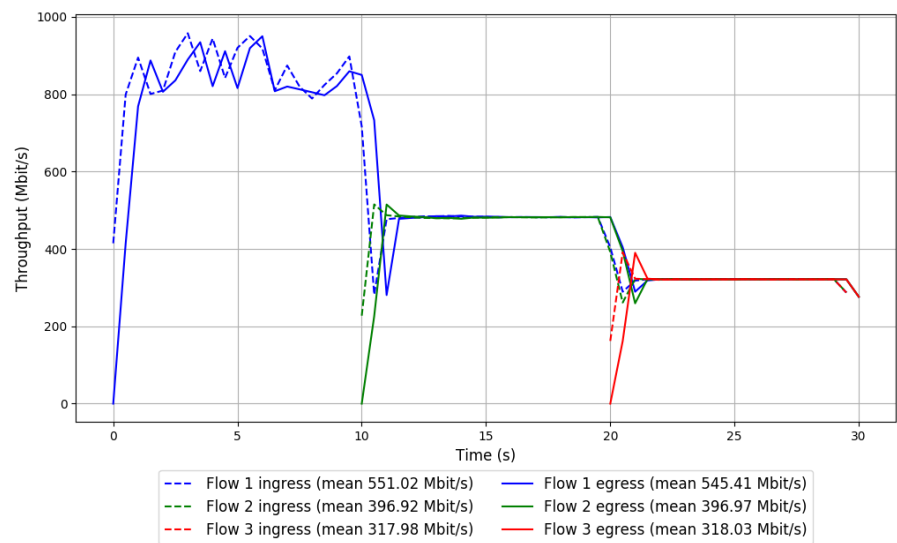
-- Flow 3:

Average throughput: 318.03 Mbit/s

95th percentile per-packet one-way delay: 3.818 ms

Loss rate: 0.20%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 04:05:49

End at: 2018-08-10 04:06:19

Local clock offset: -0.21 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-08-10 07:16:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 950.96 Mbit/s

95th percentile per-packet one-way delay: 3.745 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 580.49 Mbit/s

95th percentile per-packet one-way delay: 3.488 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 397.87 Mbit/s

95th percentile per-packet one-way delay: 3.711 ms

Loss rate: 0.09%

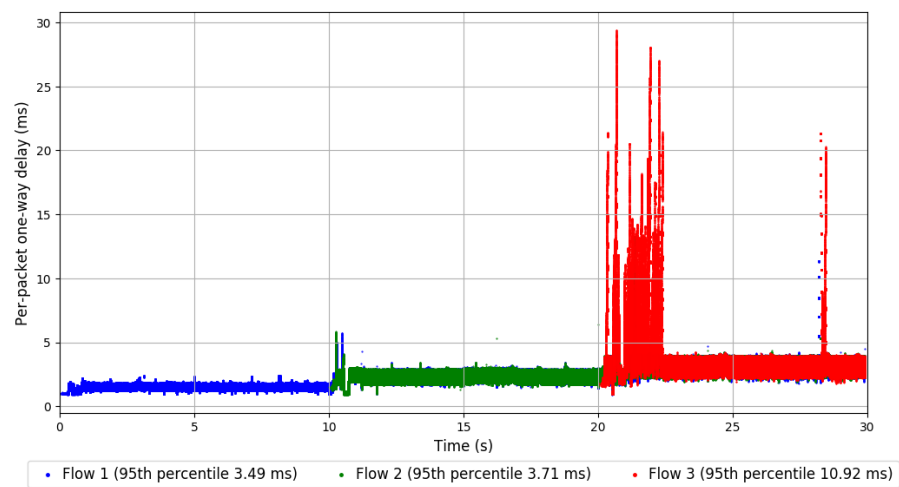
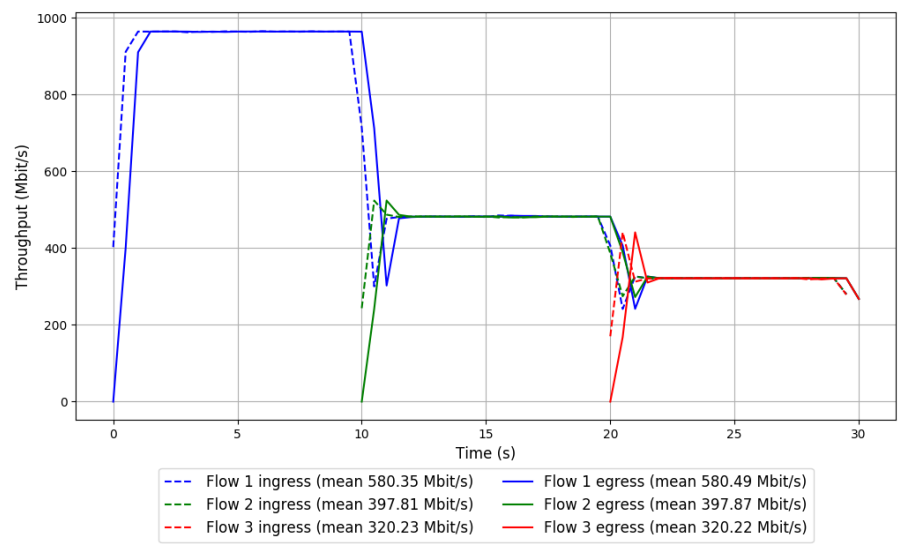
-- Flow 3:

Average throughput: 320.22 Mbit/s

95th percentile per-packet one-way delay: 10.917 ms

Loss rate: 0.21%

Run 7: Report of FillP-Sheep — Data Link

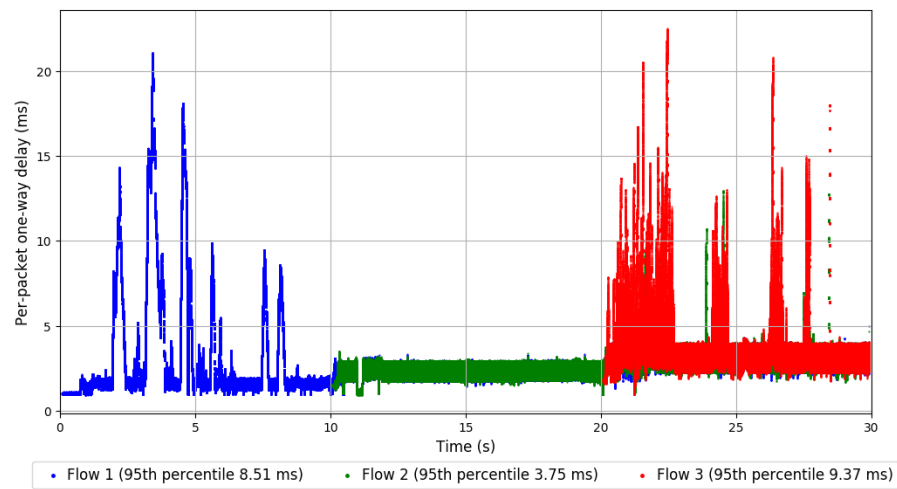
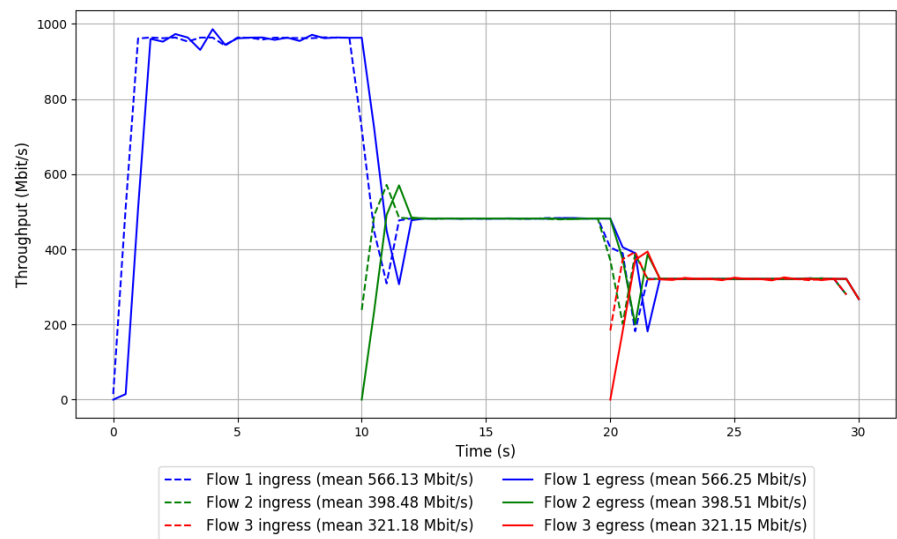


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 04:32:54
End at: 2018-08-10 04:33:24
Local clock offset: -0.222 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-10 07:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.57 Mbit/s
95th percentile per-packet one-way delay: 7.556 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 566.25 Mbit/s
95th percentile per-packet one-way delay: 8.505 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.51 Mbit/s
95th percentile per-packet one-way delay: 3.747 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.15 Mbit/s
95th percentile per-packet one-way delay: 9.373 ms
Loss rate: 0.22%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 04:59:51

End at: 2018-08-10 05:00:21

Local clock offset: -0.703 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-08-10 07:23:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 948.82 Mbit/s

95th percentile per-packet one-way delay: 3.801 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 578.69 Mbit/s

95th percentile per-packet one-way delay: 3.648 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 396.68 Mbit/s

95th percentile per-packet one-way delay: 3.789 ms

Loss rate: 0.09%

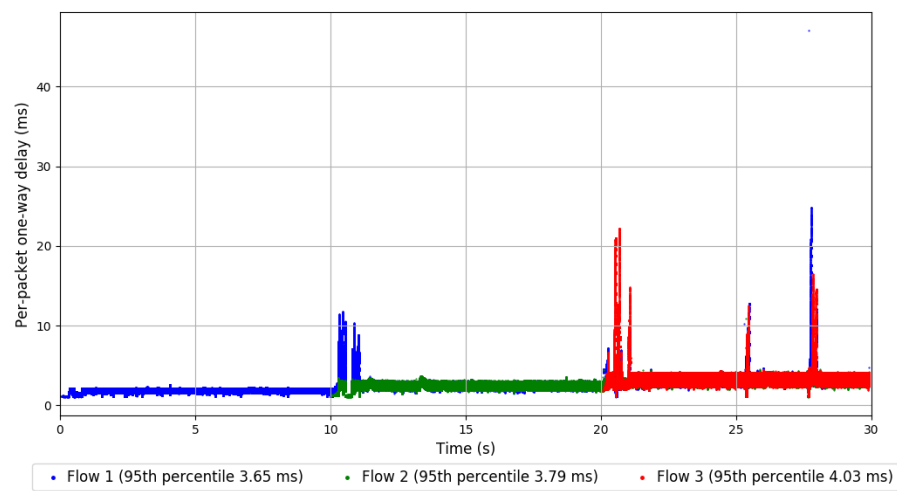
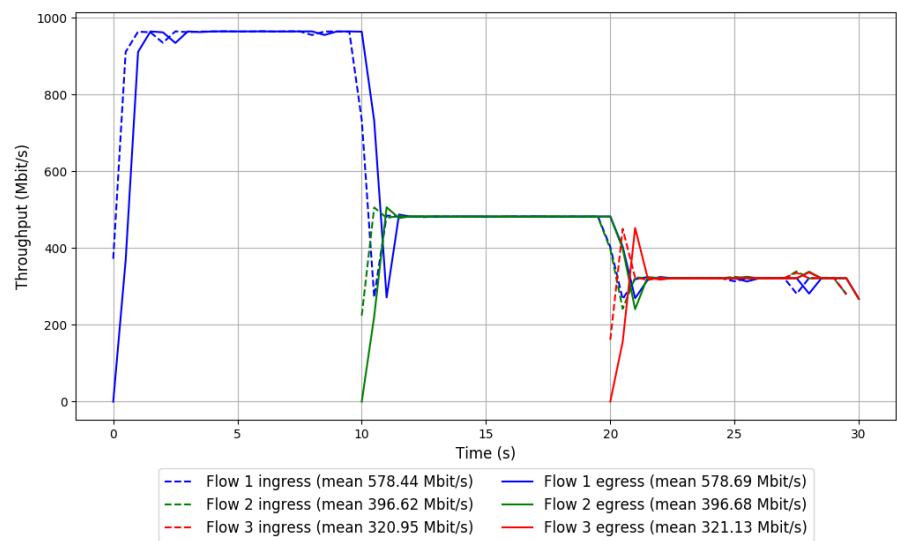
-- Flow 3:

Average throughput: 321.13 Mbit/s

95th percentile per-packet one-way delay: 4.027 ms

Loss rate: 0.22%

Run 9: Report of FillP-Sheep — Data Link

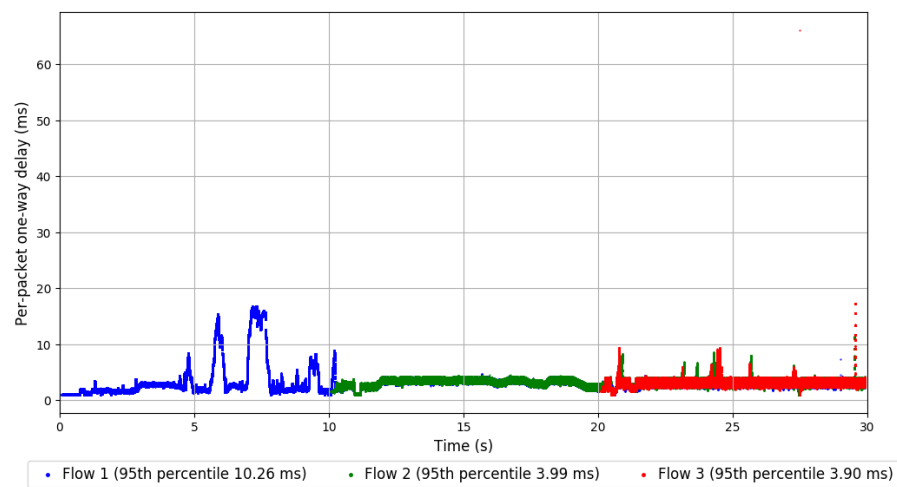
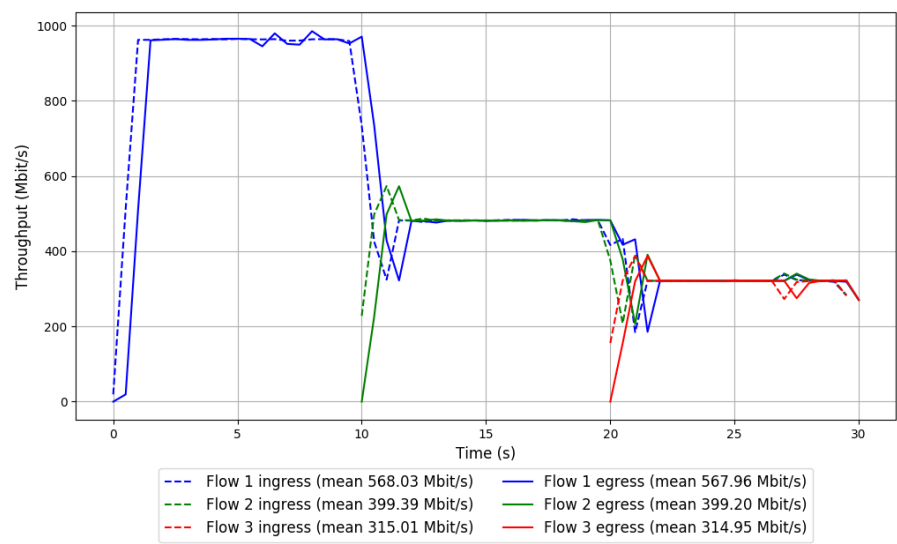


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 05:26:48
End at: 2018-08-10 05:27:18
Local clock offset: -1.045 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.55 Mbit/s
95th percentile per-packet one-way delay: 6.345 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 567.96 Mbit/s
95th percentile per-packet one-way delay: 10.264 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 399.20 Mbit/s
95th percentile per-packet one-way delay: 3.993 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 314.95 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.22%

Run 10: Report of FillP-Sheep — Data Link

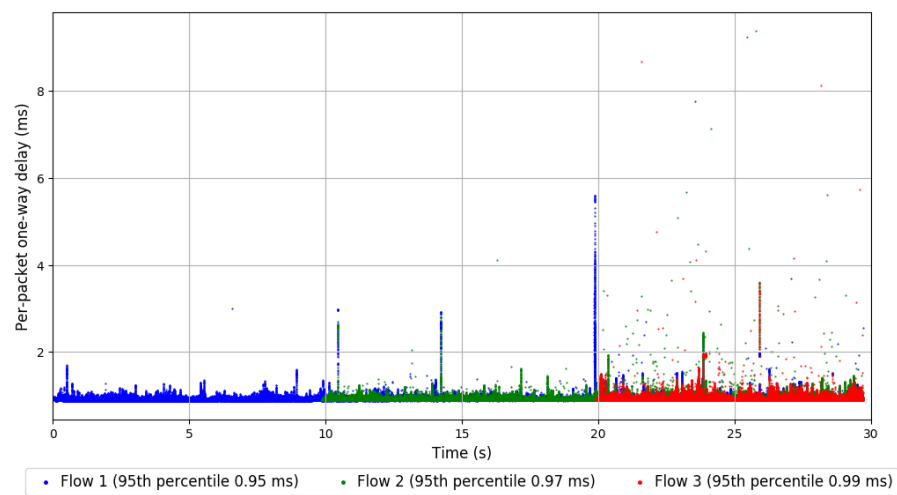
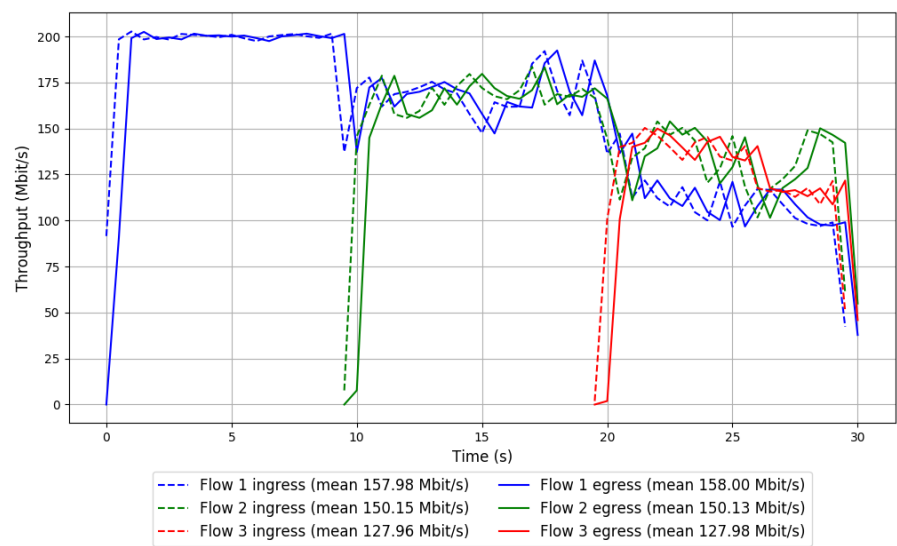


```
Run 1: Statistics of Indigo

Start at: 2018-08-10 01:28:35
End at: 2018-08-10 01:29:05
Local clock offset: 0.087 ms
Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2018-08-10 07:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.46 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 158.00 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 150.13 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 127.98 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.19%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-10 01:55:31

End at: 2018-08-10 01:56:01

Local clock offset: -0.081 ms

Remote clock offset: 0.822 ms

Below is generated by plot.py at 2018-08-10 07:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.31 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 171.15 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 153.79 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.10%

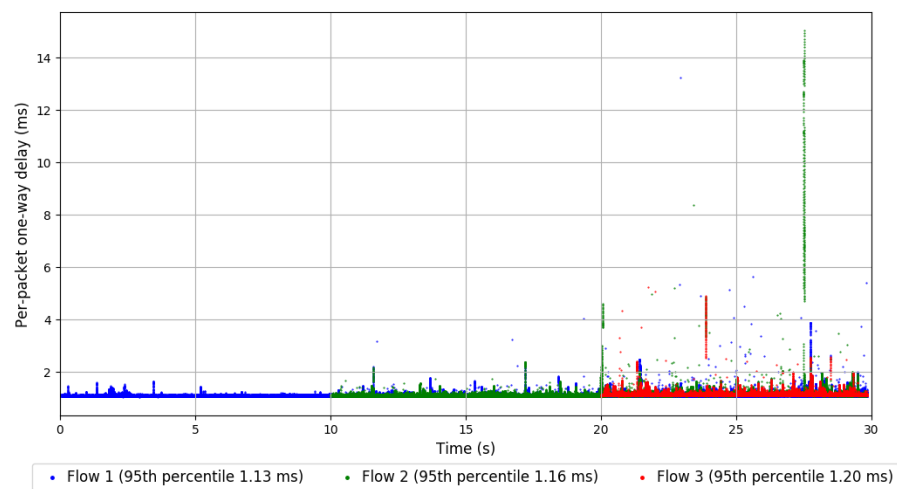
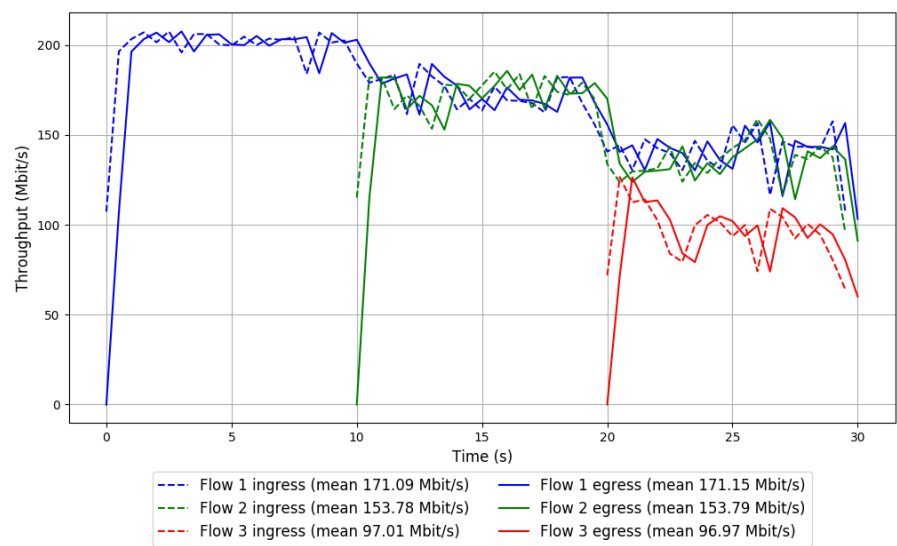
-- Flow 3:

Average throughput: 96.97 Mbit/s

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

Loss rate: 0.22%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-10 02:22:33

End at: 2018-08-10 02:23:03

Local clock offset: -0.376 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-10 07:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.79 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 159.96 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 157.98 Mbit/s

95th percentile per-packet one-way delay: 1.031 ms

Loss rate: 0.10%

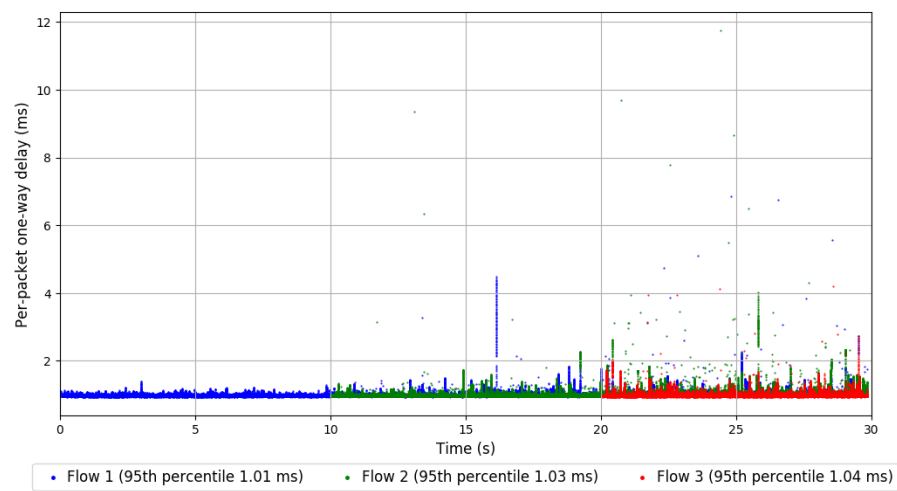
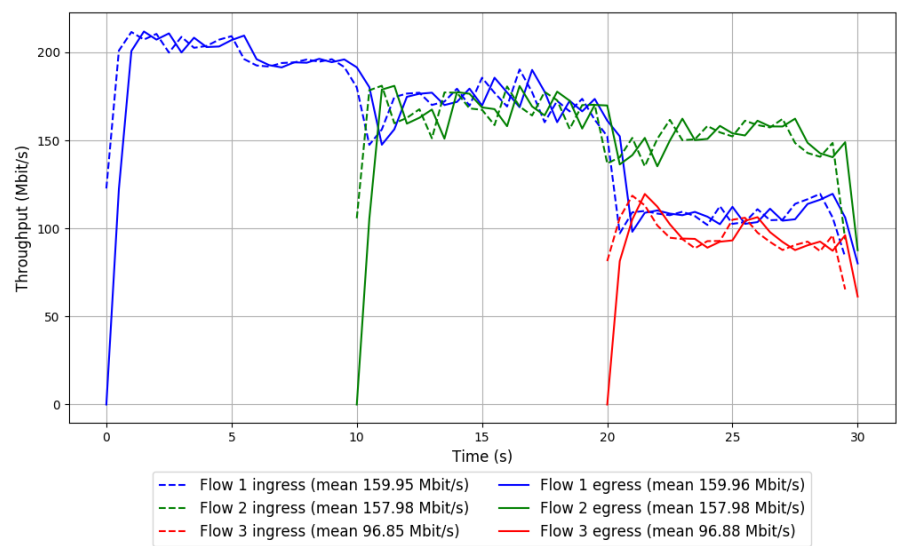
-- Flow 3:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.21%

Run 3: Report of Indigo — Data Link

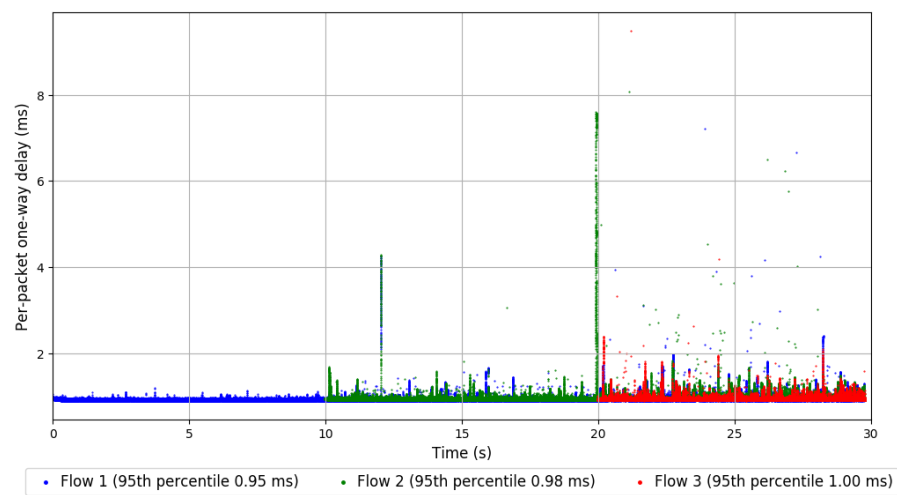
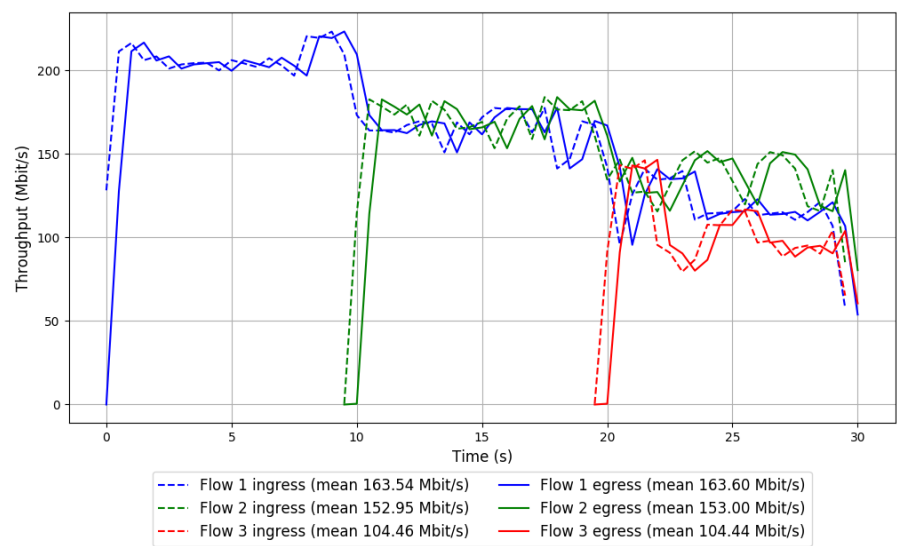


Run 4: Statistics of Indigo

Start at: 2018-08-10 02:49:31
End at: 2018-08-10 02:50:01
Local clock offset: -0.448 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.75 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 163.60 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 153.00 Mbit/s
95th percentile per-packet one-way delay: 0.983 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 104.44 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.23%

Run 4: Report of Indigo — Data Link

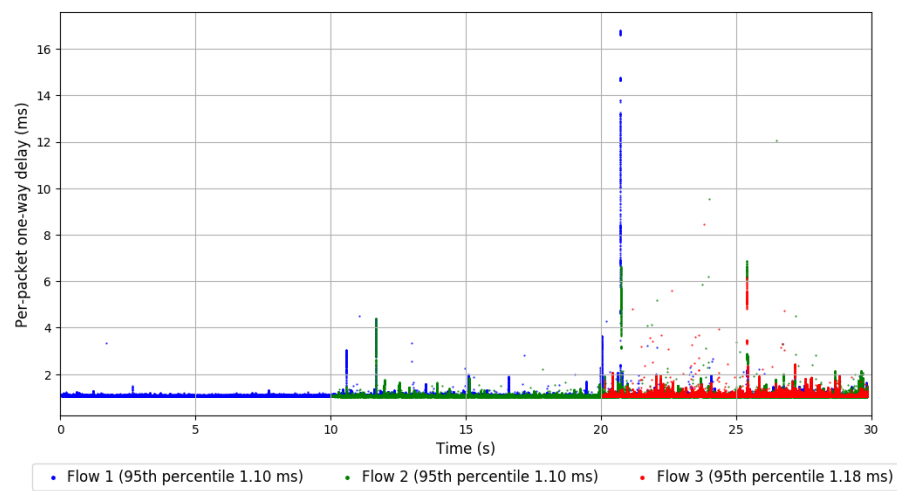
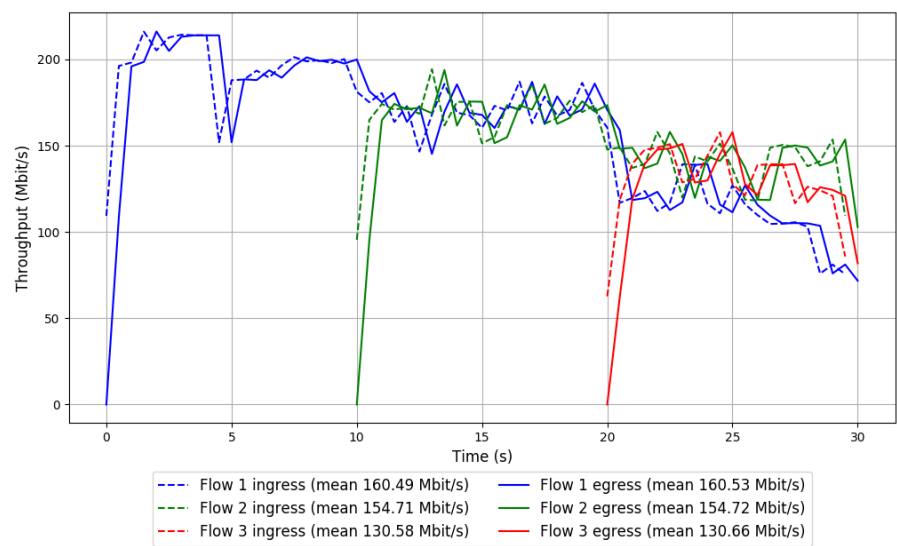


Run 5: Statistics of Indigo

Start at: 2018-08-10 03:16:38
End at: 2018-08-10 03:17:08
Local clock offset: -0.393 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.20 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 160.53 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 154.72 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 130.66 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.15%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-10 03:43:38

End at: 2018-08-10 03:44:08

Local clock offset: -0.374 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-10 07:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.38 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 172.72 Mbit/s

95th percentile per-packet one-way delay: 0.967 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 156.74 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.10%

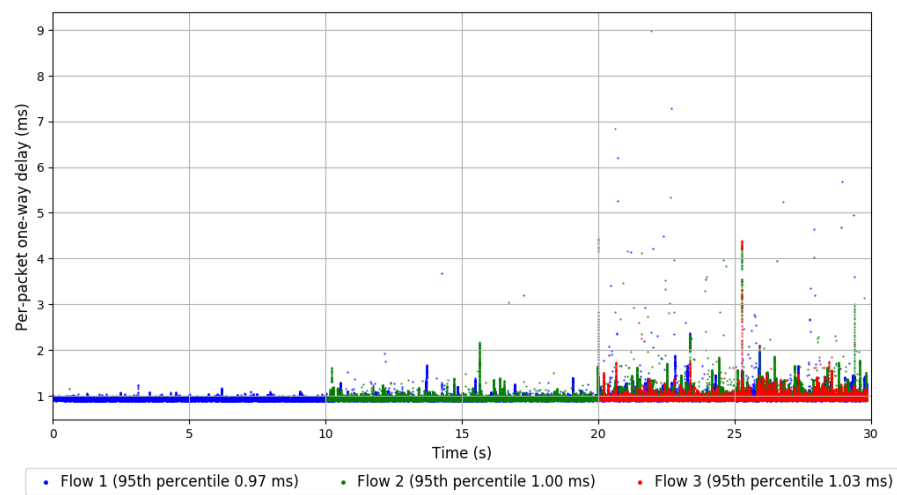
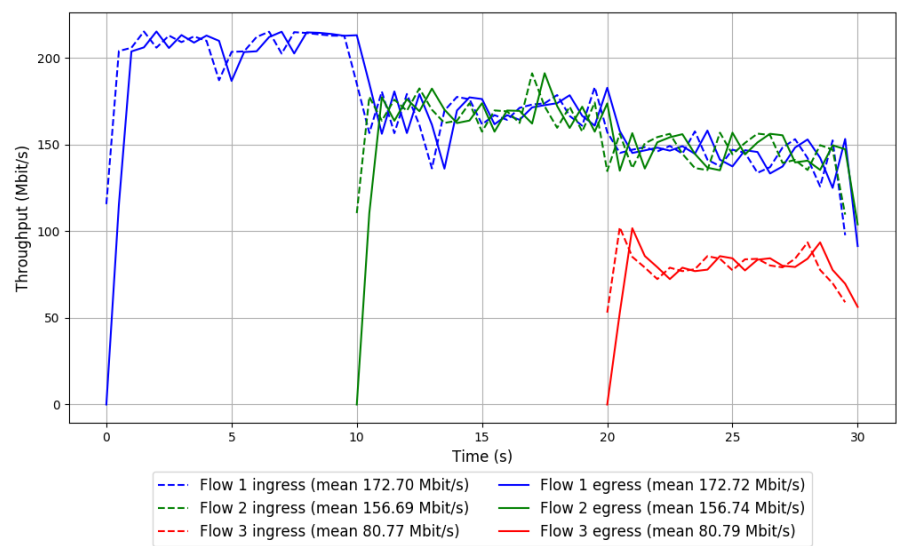
-- Flow 3:

Average throughput: 80.79 Mbit/s

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

Loss rate: 0.18%

Run 6: Report of Indigo — Data Link

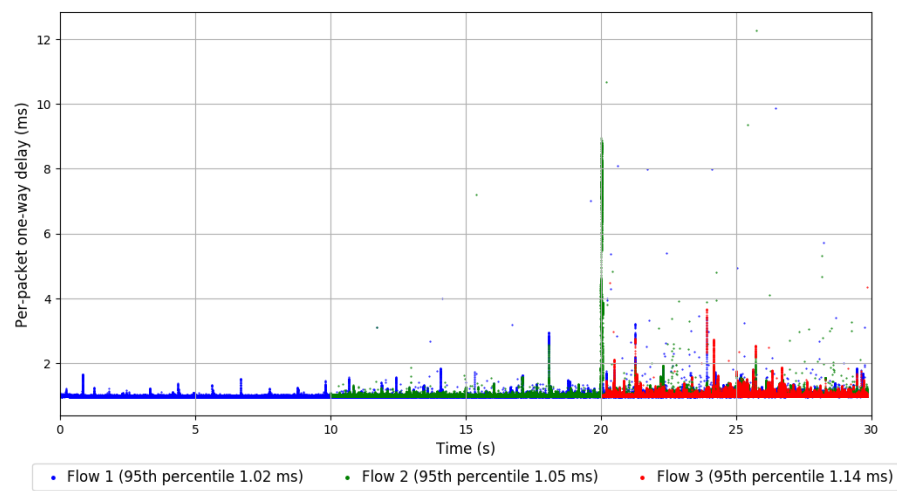
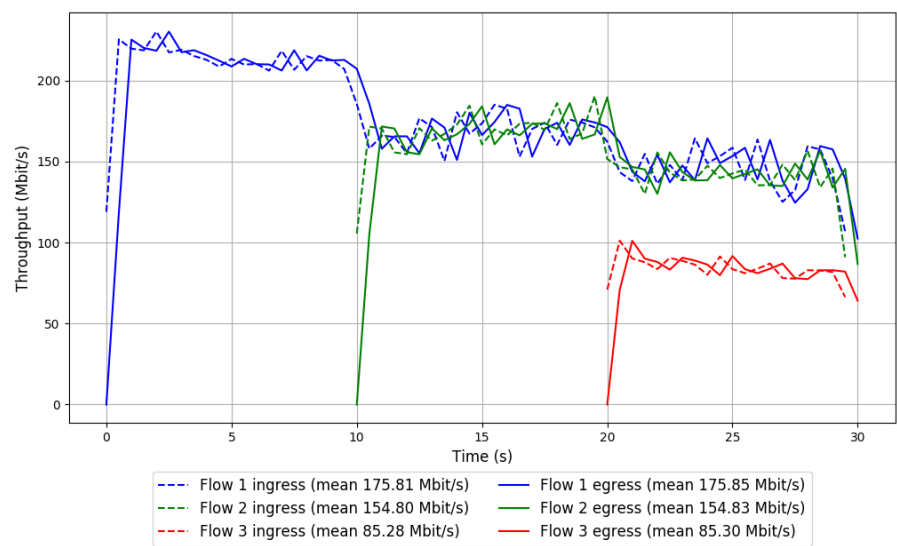


Run 7: Statistics of Indigo

Start at: 2018-08-10 04:10:40
End at: 2018-08-10 04:11:10
Local clock offset: -0.242 ms
Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.75 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 175.85 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 154.83 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.14%

Run 7: Report of Indigo — Data Link

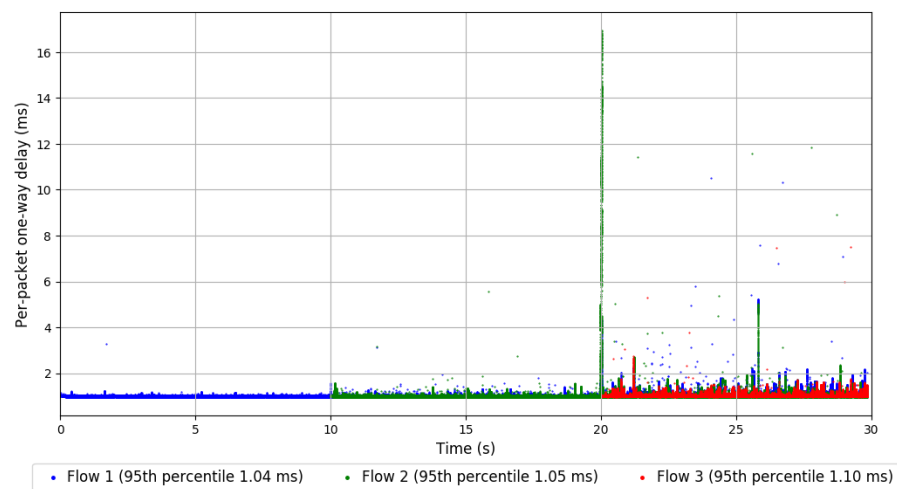
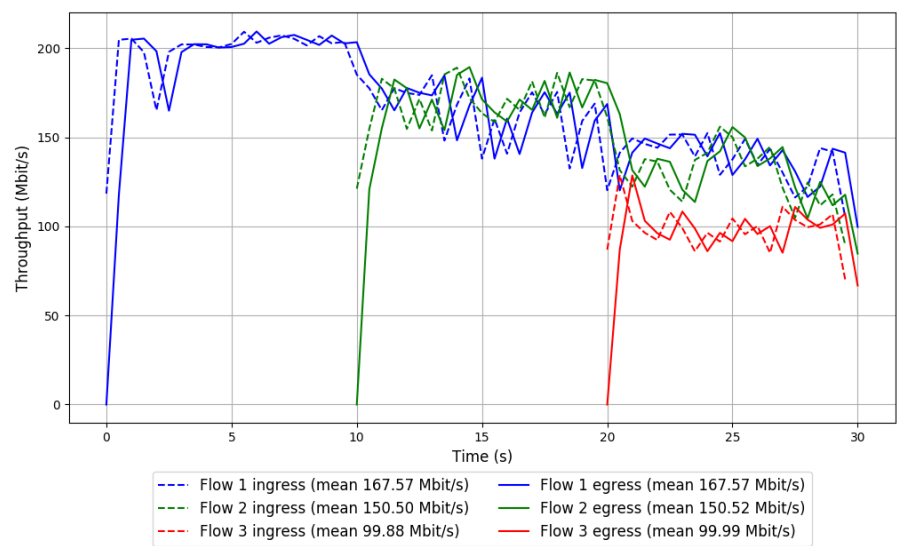


Run 8: Statistics of Indigo

Start at: 2018-08-10 04:37:46
End at: 2018-08-10 04:38:16
Local clock offset: -0.331 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.50 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 167.57 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 150.52 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 99.99 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.18%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-10 05:04:43

End at: 2018-08-10 05:05:13

Local clock offset: -0.764 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-08-10 07:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.56 Mbit/s

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

Loss rate: 0.07%

-- Flow 1:

Average throughput: 166.04 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 150.04 Mbit/s

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

Loss rate: 0.10%

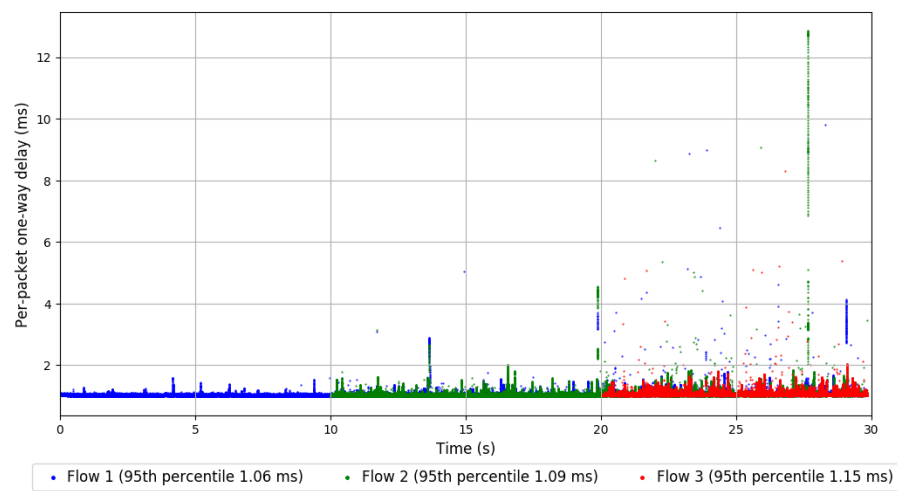
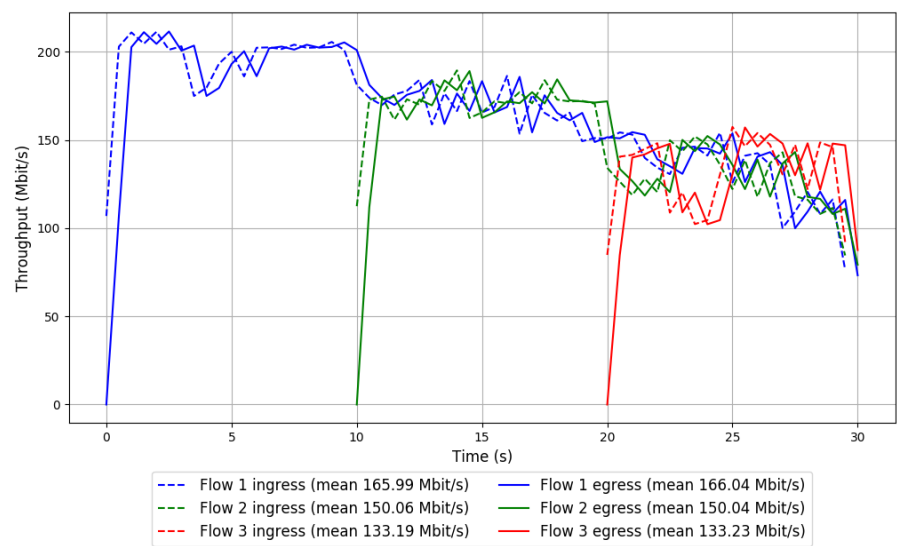
-- Flow 3:

Average throughput: 133.23 Mbit/s

95th percentile per-packet one-way delay: 1.154 ms

Loss rate: 0.17%

Run 9: Report of Indigo — Data Link

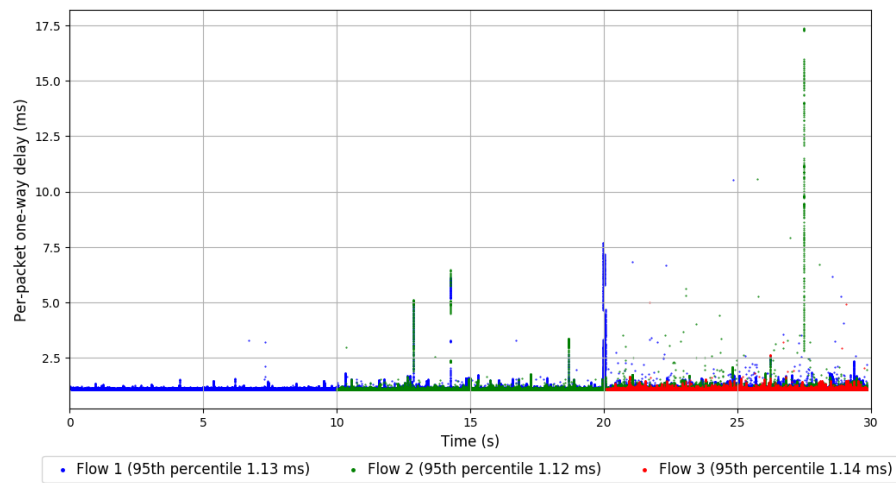
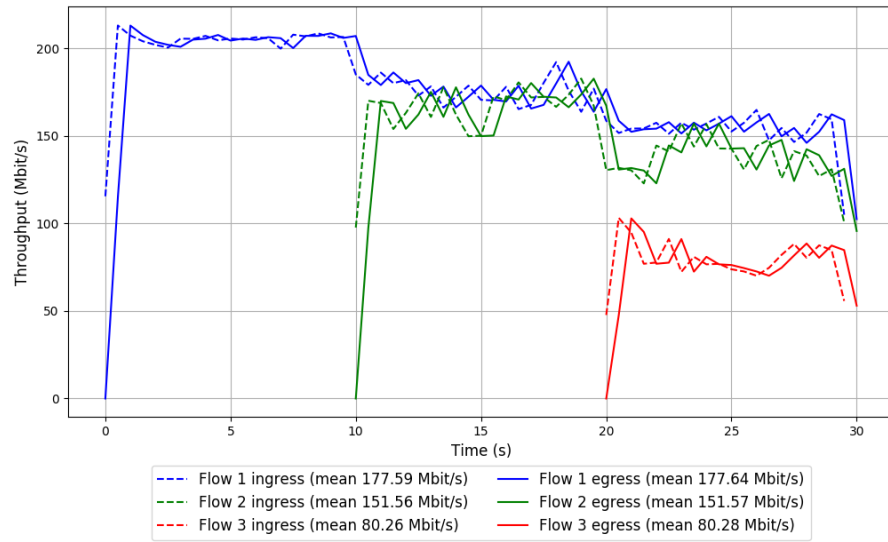


Run 10: Statistics of Indigo

Start at: 2018-08-10 05:31:39
End at: 2018-08-10 05:32:09
Local clock offset: -1.086 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-10 07:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.63 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 177.64 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.19%

Run 10: Report of Indigo — Data Link

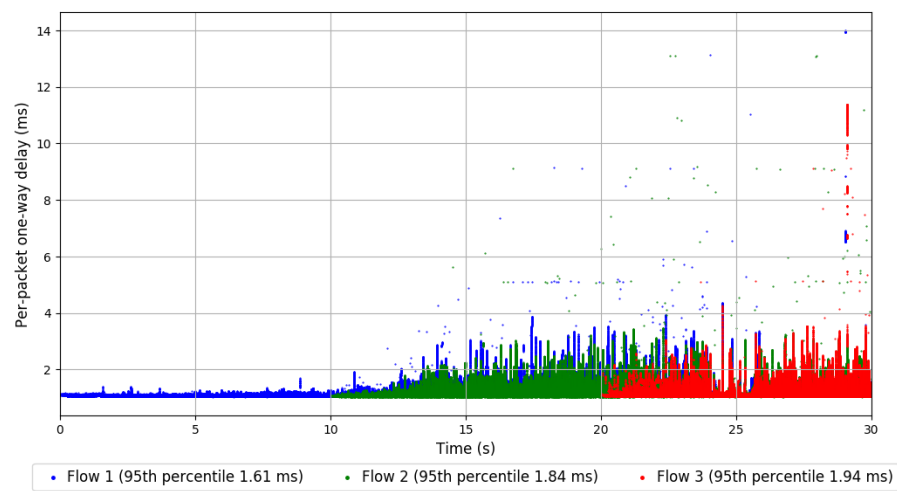
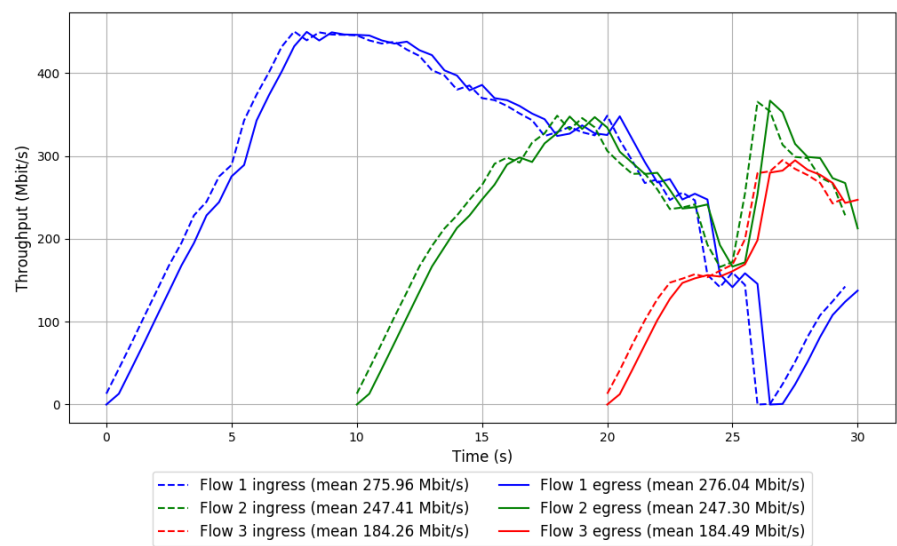


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-10 01:39:19
End at: 2018-08-10 01:39:49
Local clock offset: 0.203 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2018-08-10 07:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.78 Mbit/s
95th percentile per-packet one-way delay: 1.742 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 276.04 Mbit/s
95th percentile per-packet one-way delay: 1.608 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 247.30 Mbit/s
95th percentile per-packet one-way delay: 1.845 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 184.49 Mbit/s
95th percentile per-packet one-way delay: 1.942 ms
Loss rate: 0.08%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-10 02:06:16

End at: 2018-08-10 02:06:46

Local clock offset: -0.305 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-08-10 07:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.55 Mbit/s

95th percentile per-packet one-way delay: 1.766 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 261.65 Mbit/s

95th percentile per-packet one-way delay: 1.669 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 209.27 Mbit/s

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

Loss rate: 0.11%

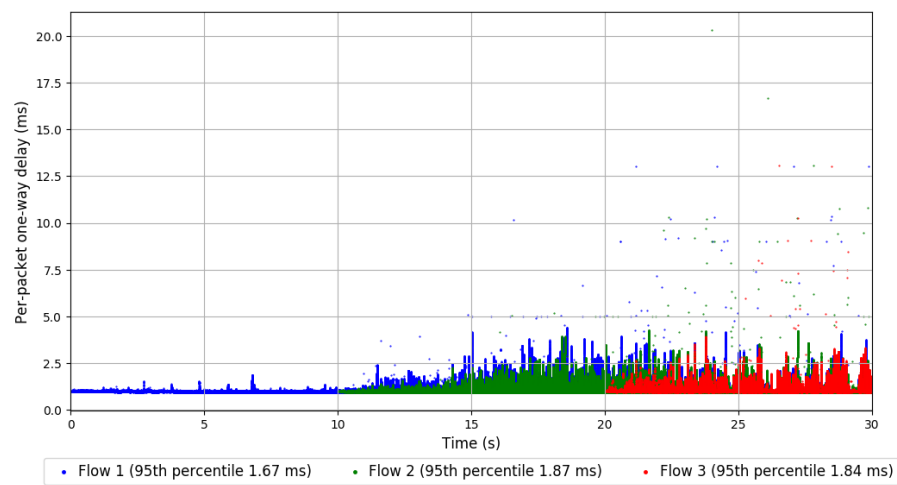
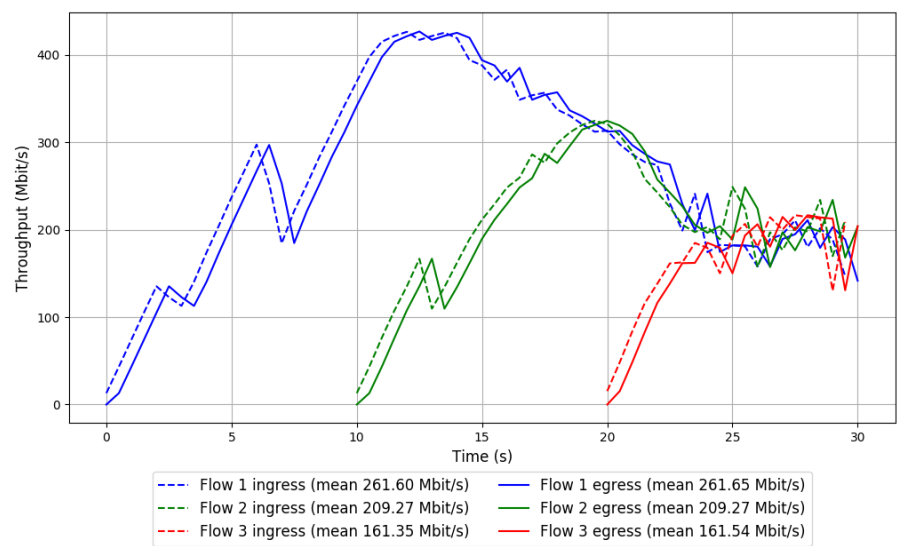
-- Flow 3:

Average throughput: 161.54 Mbit/s

95th percentile per-packet one-way delay: 1.842 ms

Loss rate: 0.16%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-10 02:33:19

End at: 2018-08-10 02:33:49

Local clock offset: -0.317 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-10 07:23:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.04 Mbit/s

95th percentile per-packet one-way delay: 1.859 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 269.62 Mbit/s

95th percentile per-packet one-way delay: 1.733 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 216.30 Mbit/s

95th percentile per-packet one-way delay: 2.051 ms

Loss rate: 0.00%

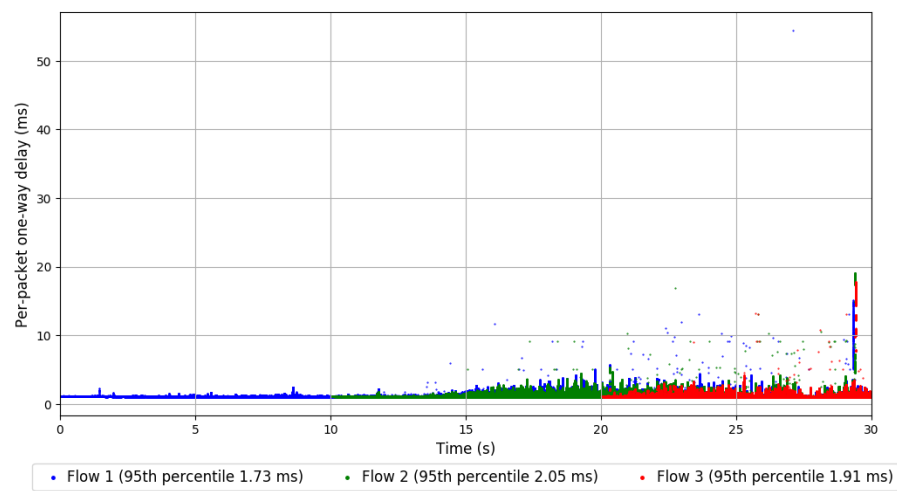
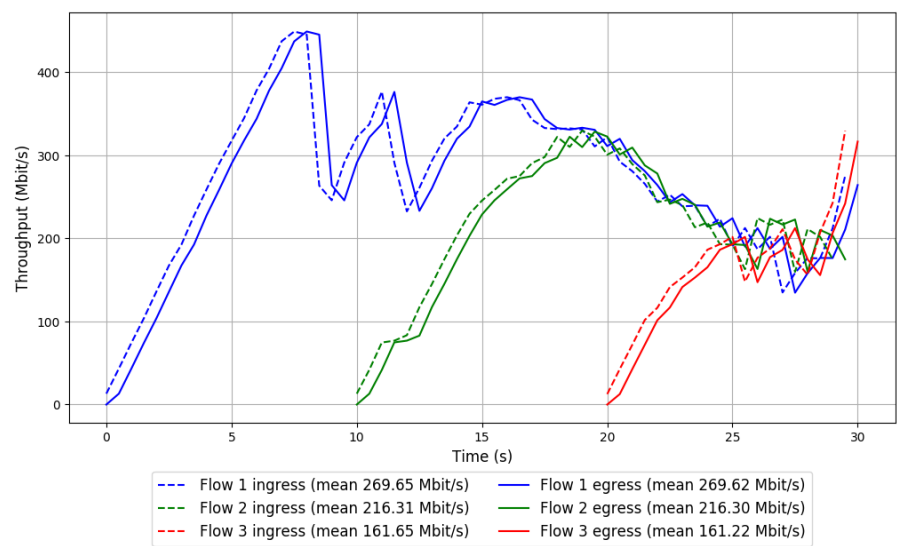
-- Flow 3:

Average throughput: 161.22 Mbit/s

95th percentile per-packet one-way delay: 1.913 ms

Loss rate: 0.45%

Run 3: Report of LEDBAT — Data Link

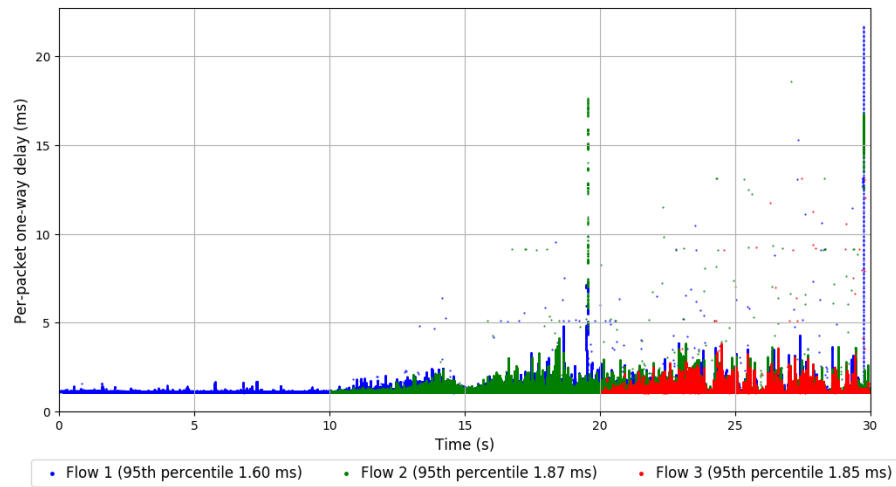
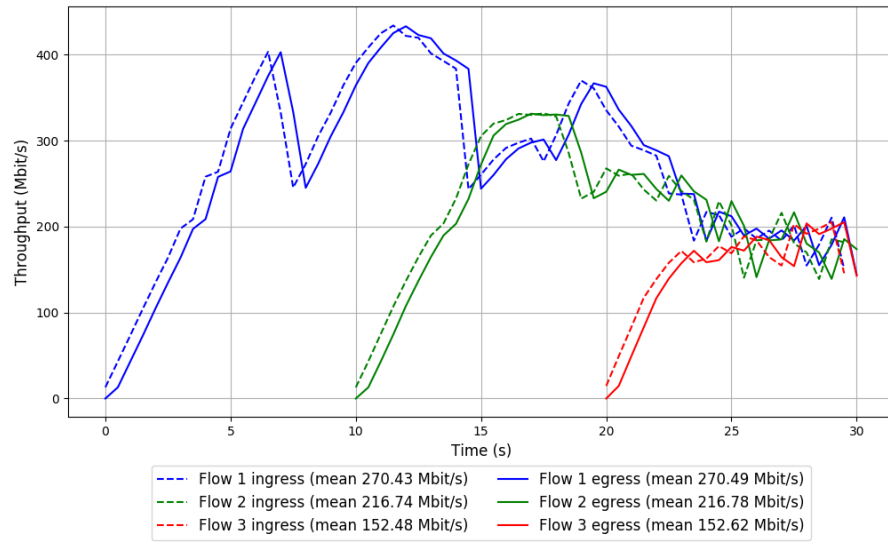


Run 4: Statistics of LEDBAT

Start at: 2018-08-10 03:00:16
End at: 2018-08-10 03:00:46
Local clock offset: -0.341 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-10 07:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.43 Mbit/s
95th percentile per-packet one-way delay: 1.712 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 270.49 Mbit/s
95th percentile per-packet one-way delay: 1.599 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 216.78 Mbit/s
95th percentile per-packet one-way delay: 1.874 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 152.62 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-10 03:27:23

End at: 2018-08-10 03:27:53

Local clock offset: -0.247 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-08-10 07:25:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.95 Mbit/s

95th percentile per-packet one-way delay: 1.747 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 302.31 Mbit/s

95th percentile per-packet one-way delay: 1.661 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 233.52 Mbit/s

95th percentile per-packet one-way delay: 1.857 ms

Loss rate: 0.04%

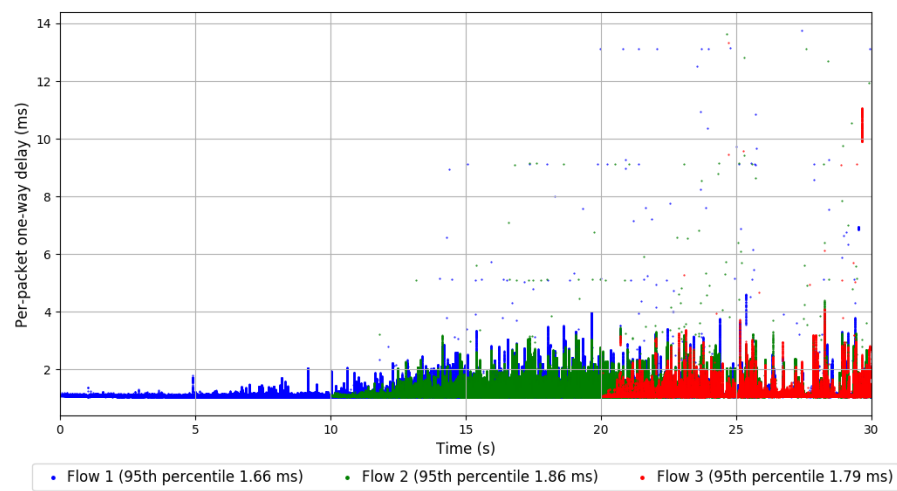
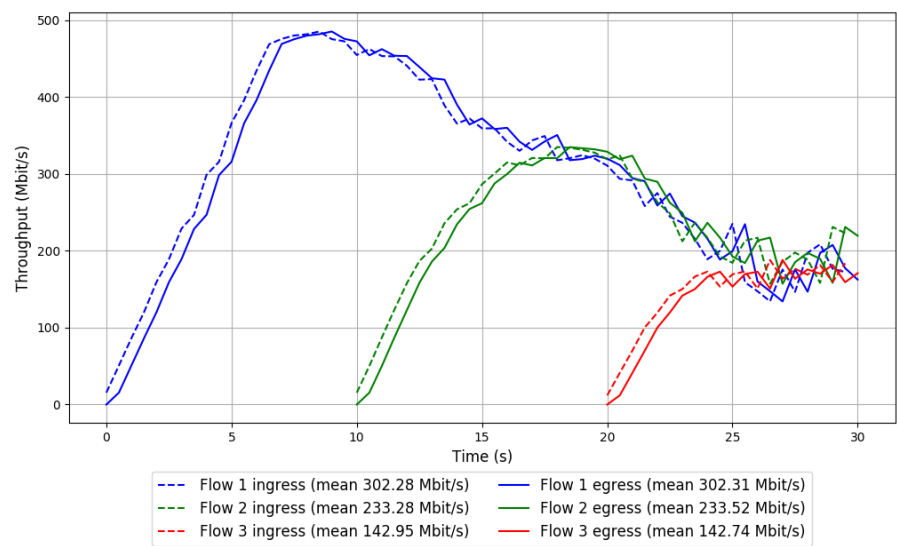
-- Flow 3:

Average throughput: 142.74 Mbit/s

95th percentile per-packet one-way delay: 1.795 ms

Loss rate: 0.47%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-10 03:54:24

End at: 2018-08-10 03:54:54

Local clock offset: -0.206 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-10 07:25:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.40 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 287.52 Mbit/s

95th percentile per-packet one-way delay: 1.756 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 230.73 Mbit/s

95th percentile per-packet one-way delay: 2.123 ms

Loss rate: 0.09%

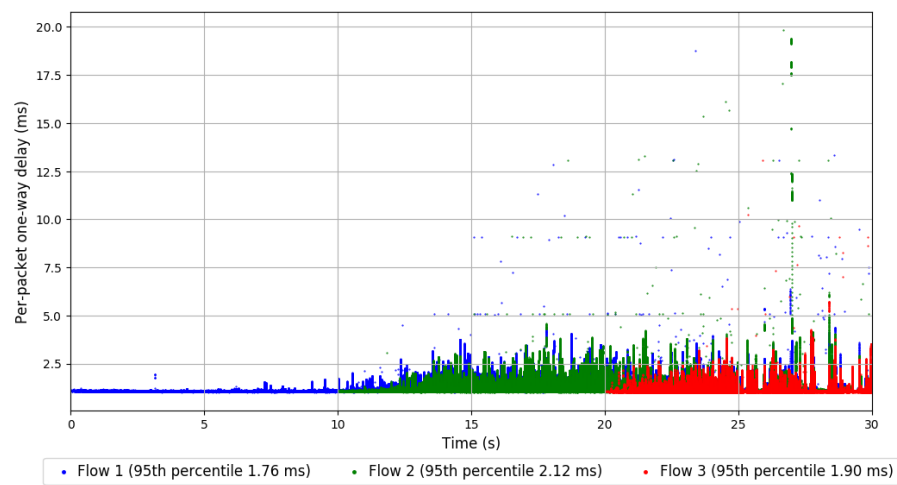
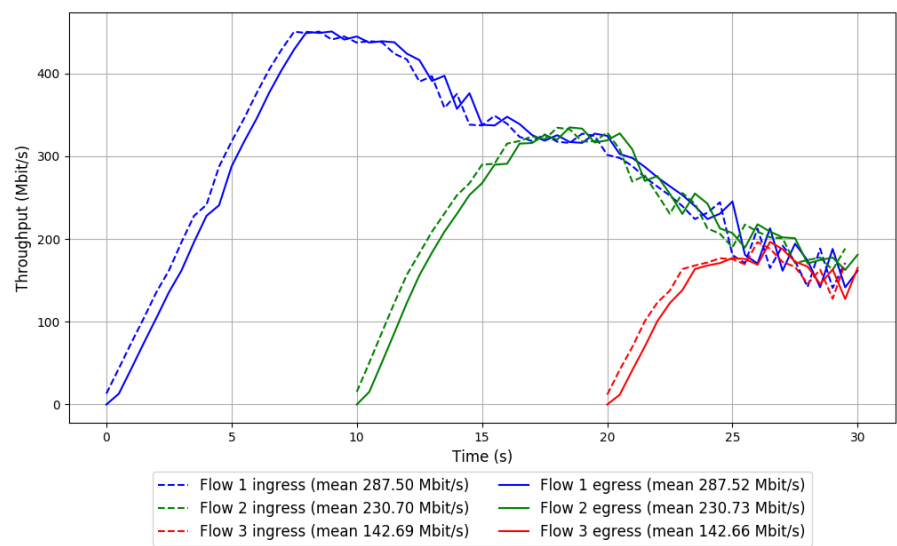
-- Flow 3:

Average throughput: 142.66 Mbit/s

95th percentile per-packet one-way delay: 1.902 ms

Loss rate: 0.21%

Run 6: Report of LEDBAT — Data Link

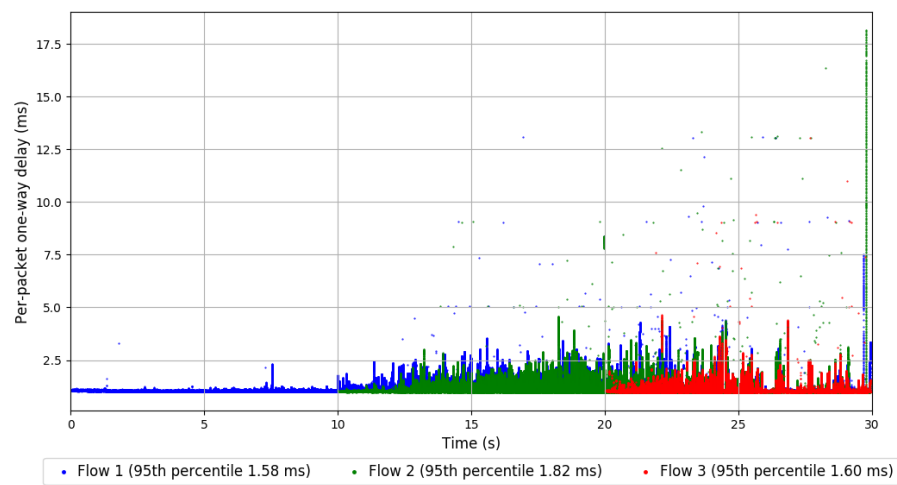
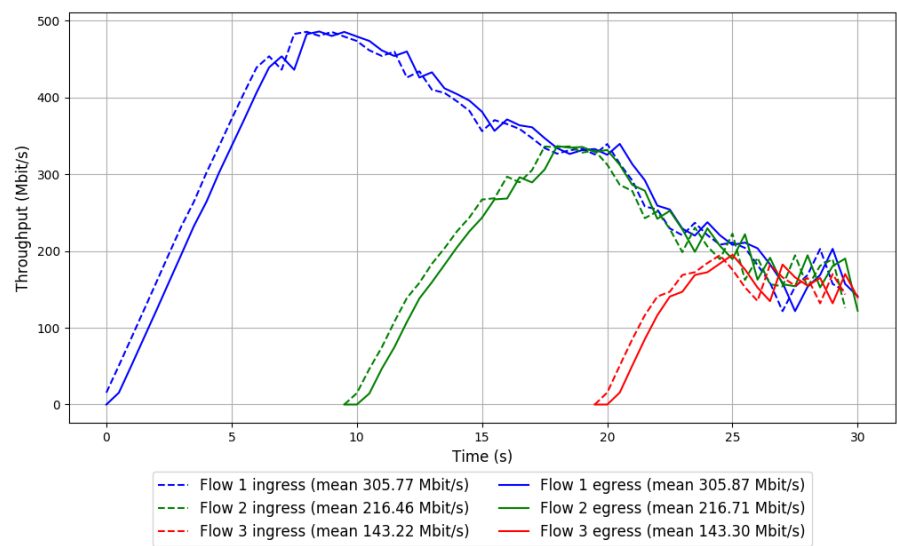


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 04:21:26
End at: 2018-08-10 04:21:56
Local clock offset: -0.215 ms
Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-10 07:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.77 Mbit/s
95th percentile per-packet one-way delay: 1.665 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 305.87 Mbit/s
95th percentile per-packet one-way delay: 1.582 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 216.71 Mbit/s
95th percentile per-packet one-way delay: 1.823 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 143.30 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.14%

Run 7: Report of LEDBAT — Data Link

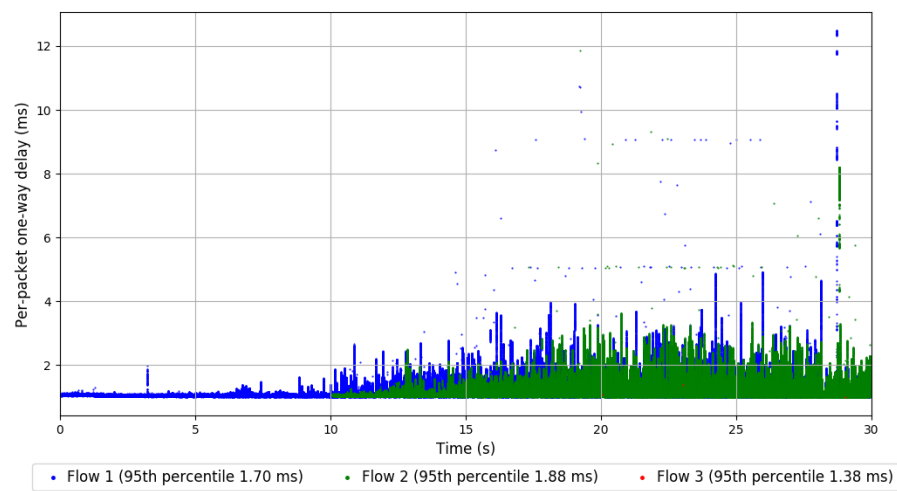
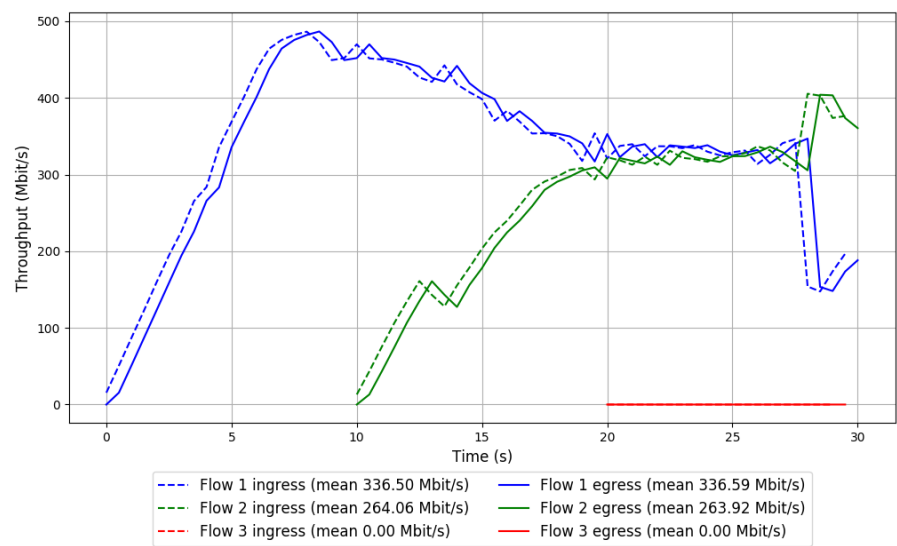


Run 8: Statistics of LEDBAT

Start at: 2018-08-10 04:48:24
End at: 2018-08-10 04:48:54
Local clock offset: -0.402 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-10 07:28:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.29 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 336.59 Mbit/s
95th percentile per-packet one-way delay: 1.701 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 263.92 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

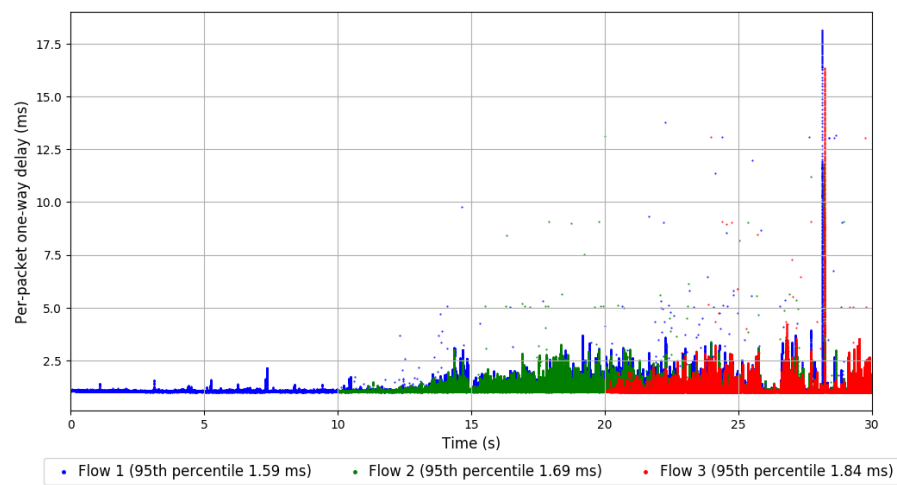
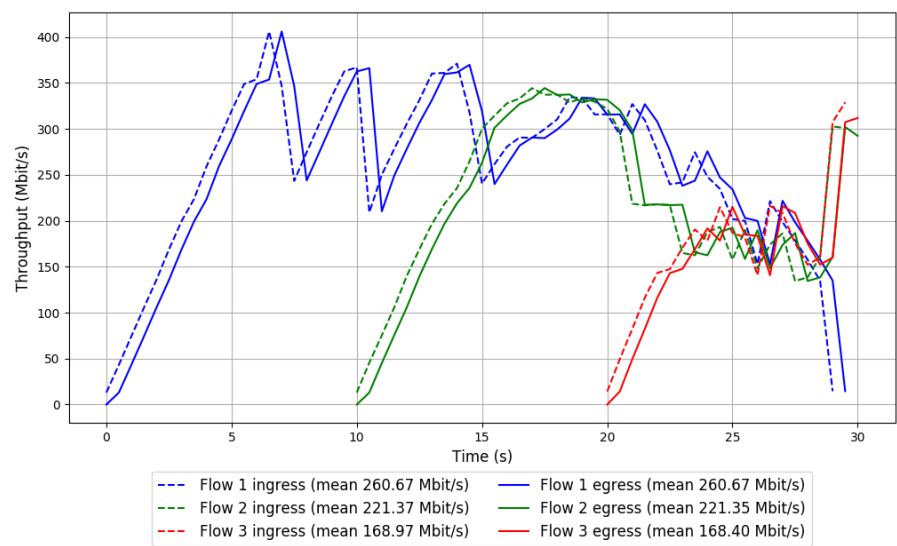


Run 9: Statistics of LEDBAT

Start at: 2018-08-10 05:15:31
End at: 2018-08-10 05:16:01
Local clock offset: -0.911 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-10 07:28:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 455.92 Mbit/s
95th percentile per-packet one-way delay: 1.651 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 260.67 Mbit/s
95th percentile per-packet one-way delay: 1.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.35 Mbit/s
95th percentile per-packet one-way delay: 1.685 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 168.40 Mbit/s
95th percentile per-packet one-way delay: 1.839 ms
Loss rate: 0.52%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-10 05:42:23

End at: 2018-08-10 05:42:53

Local clock offset: -1.211 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-08-10 07:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.84 Mbit/s

95th percentile per-packet one-way delay: 1.788 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 271.70 Mbit/s

95th percentile per-packet one-way delay: 1.684 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 237.39 Mbit/s

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

Loss rate: 0.13%

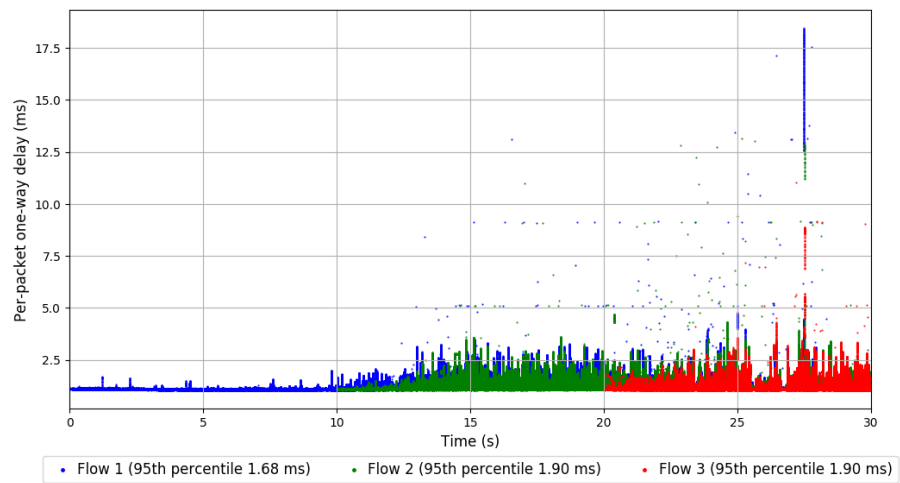
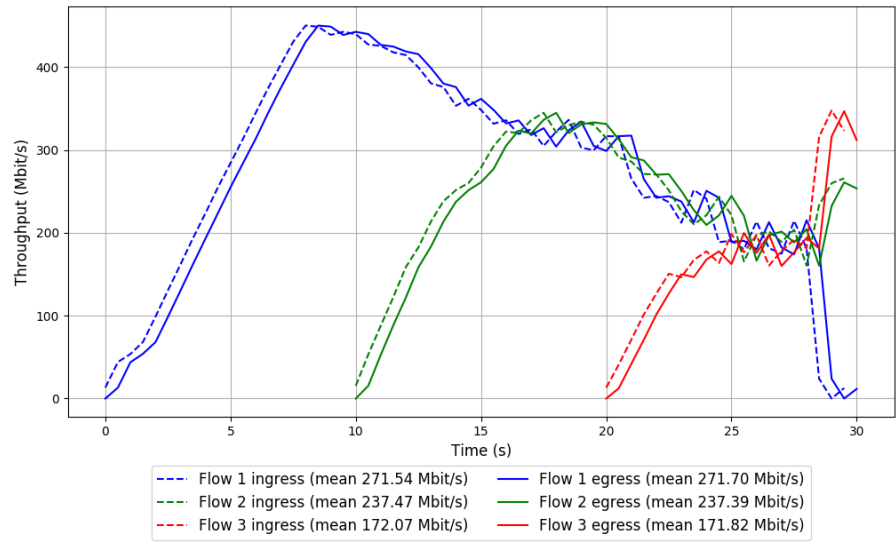
-- Flow 3:

Average throughput: 171.82 Mbit/s

95th percentile per-packet one-way delay: 1.900 ms

Loss rate: 0.35%

Run 10: Report of LEDBAT — Data Link

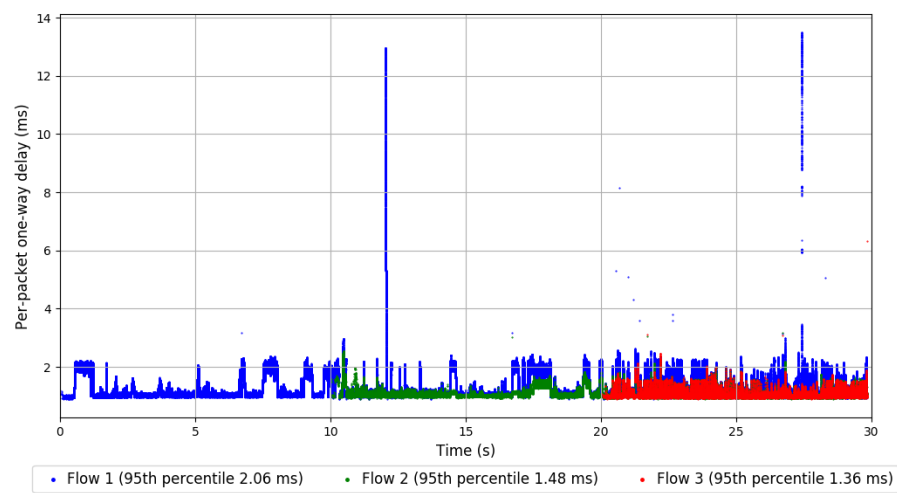
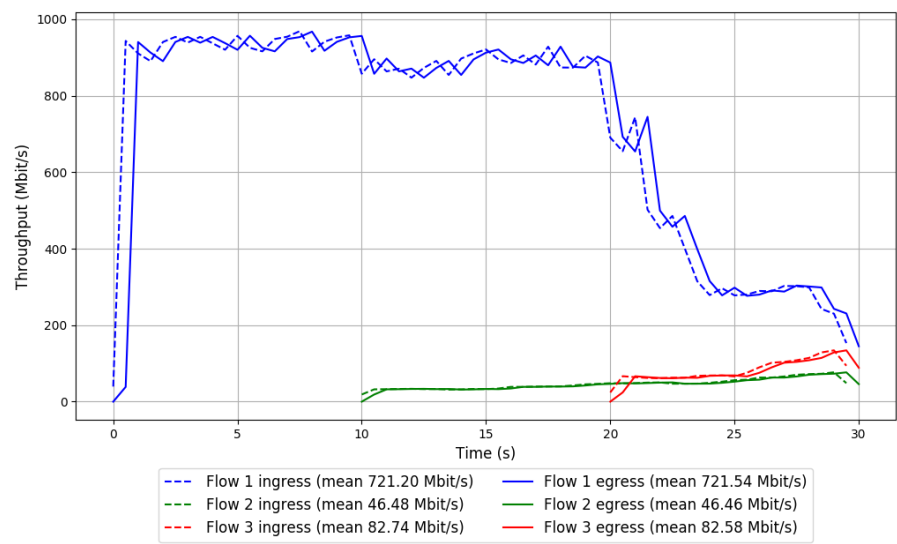


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 01:35:01
End at: 2018-08-10 01:35:31
Local clock offset: 0.111 ms
Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-08-10 07:32:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 779.38 Mbit/s
95th percentile per-packet one-way delay: 2.059 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 721.54 Mbit/s
95th percentile per-packet one-way delay: 2.065 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 1.478 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 1.363 ms
Loss rate: 0.34%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 02:01:56

End at: 2018-08-10 02:02:26

Local clock offset: -0.172 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-08-10 07:33:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 830.63 Mbit/s

95th percentile per-packet one-way delay: 2.861 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 597.62 Mbit/s

95th percentile per-packet one-way delay: 2.770 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 286.48 Mbit/s

95th percentile per-packet one-way delay: 3.017 ms

Loss rate: 0.06%

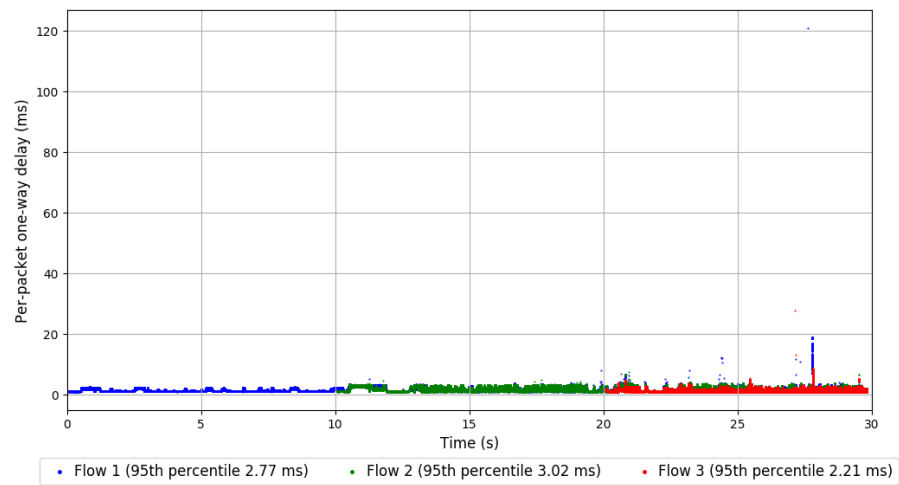
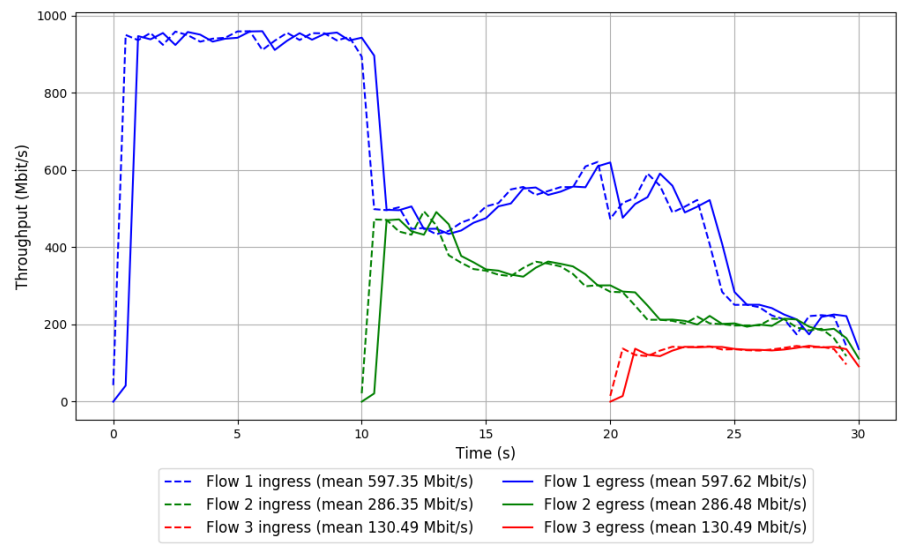
-- Flow 3:

Average throughput: 130.49 Mbit/s

95th percentile per-packet one-way delay: 2.206 ms

Loss rate: 0.21%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 02:28:59

End at: 2018-08-10 02:29:29

Local clock offset: -0.38 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-08-10 07:34:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 842.50 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 606.30 Mbit/s

95th percentile per-packet one-way delay: 2.888 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 265.87 Mbit/s

95th percentile per-packet one-way delay: 3.093 ms

Loss rate: 0.08%

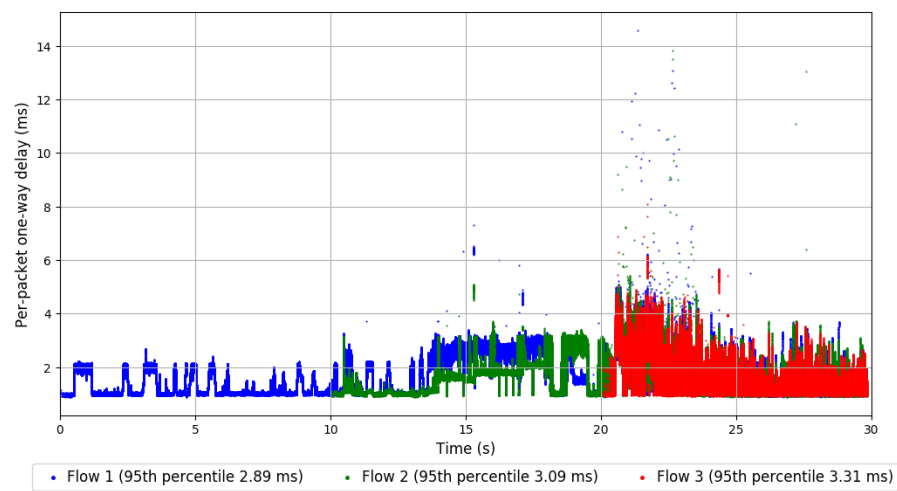
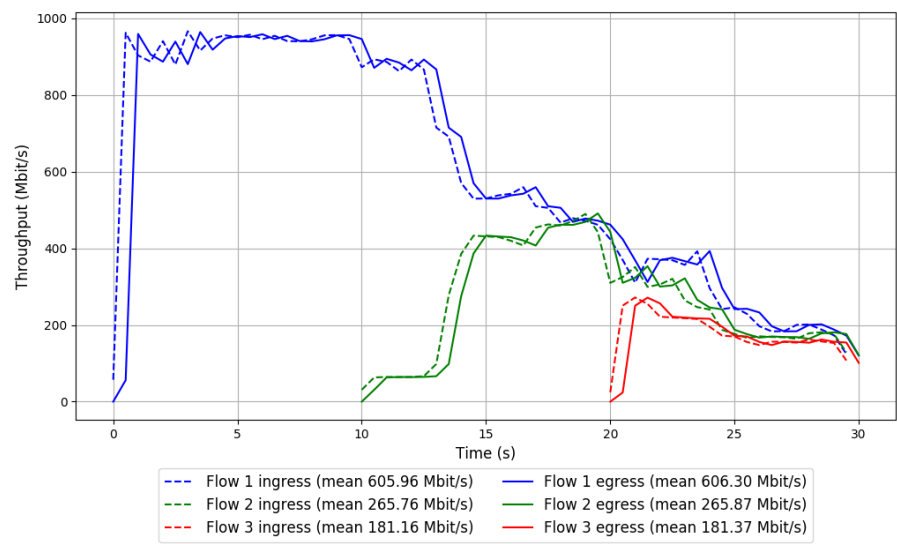
-- Flow 3:

Average throughput: 181.37 Mbit/s

95th percentile per-packet one-way delay: 3.315 ms

Loss rate: 0.18%

Run 3: Report of PCC-Allegro — Data Link

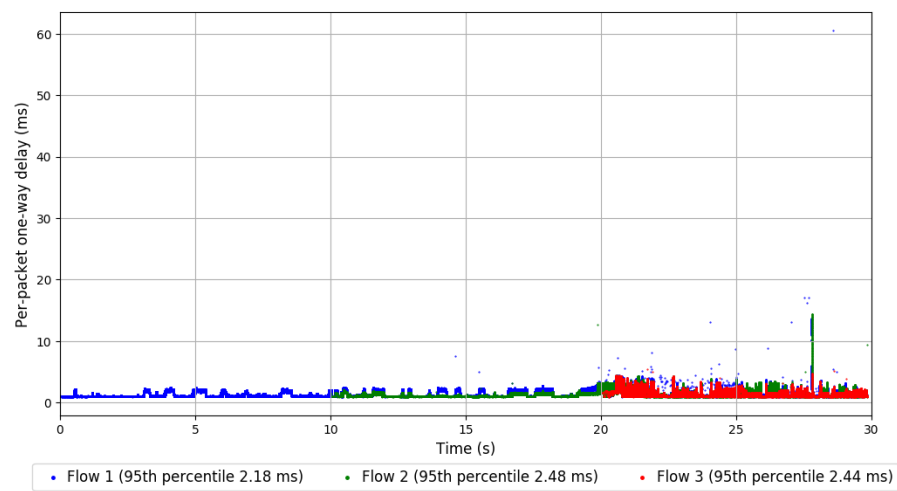
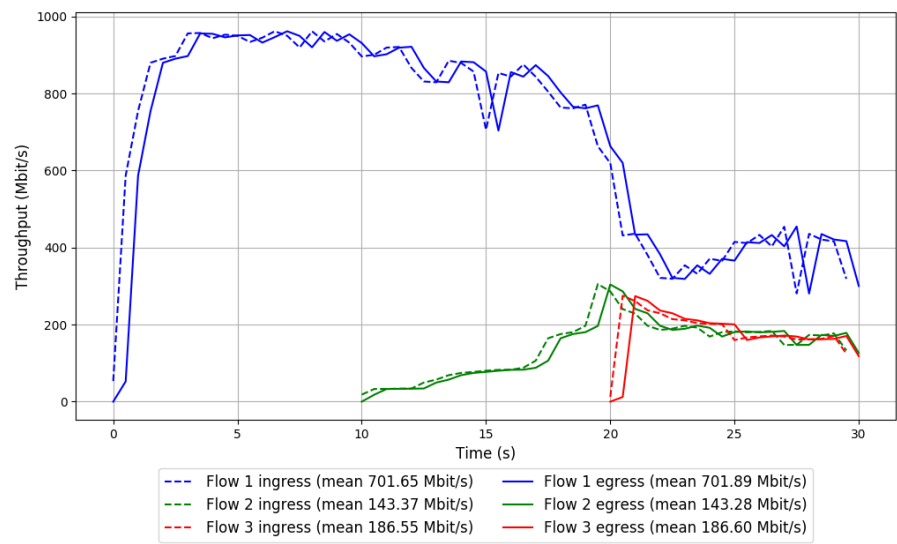


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 02:55:56
End at: 2018-08-10 02:56:26
Local clock offset: -0.433 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-10 07:35:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 858.13 Mbit/s
95th percentile per-packet one-way delay: 2.198 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 701.89 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 143.28 Mbit/s
95th percentile per-packet one-way delay: 2.481 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 186.60 Mbit/s
95th percentile per-packet one-way delay: 2.444 ms
Loss rate: 0.18%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 03:23:04

End at: 2018-08-10 03:23:34

Local clock offset: -0.286 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-08-10 07:37:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 804.80 Mbit/s

95th percentile per-packet one-way delay: 2.272 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 679.43 Mbit/s

95th percentile per-packet one-way delay: 2.299 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 177.14 Mbit/s

95th percentile per-packet one-way delay: 1.969 ms

Loss rate: 0.11%

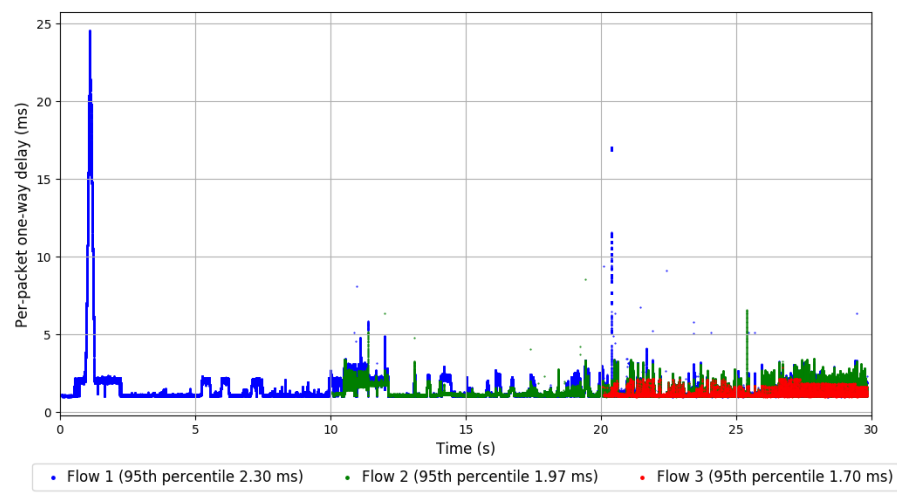
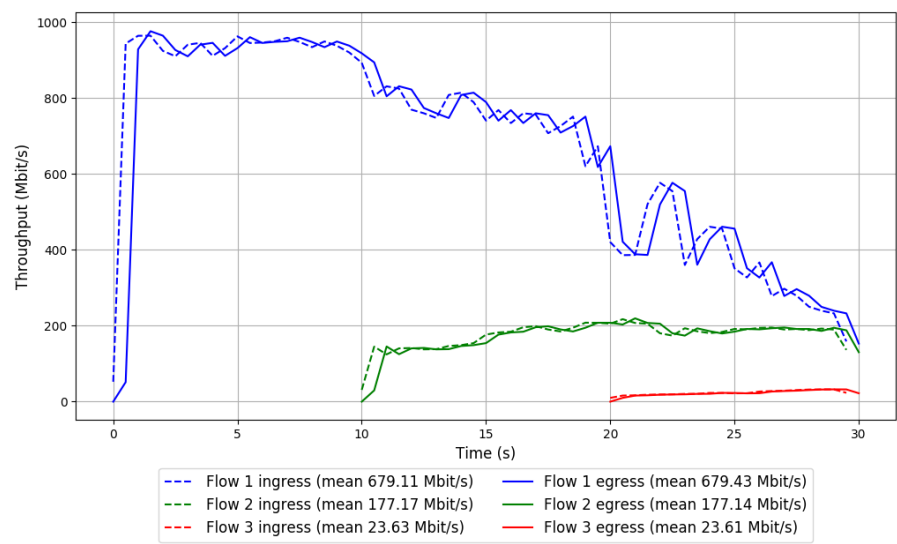
-- Flow 3:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 1.698 ms

Loss rate: 0.27%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 03:50:07

End at: 2018-08-10 03:50:37

Local clock offset: -0.216 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-08-10 07:37:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 793.78 Mbit/s

95th percentile per-packet one-way delay: 2.232 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 661.10 Mbit/s

95th percentile per-packet one-way delay: 2.261 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 162.84 Mbit/s

95th percentile per-packet one-way delay: 1.934 ms

Loss rate: 0.07%

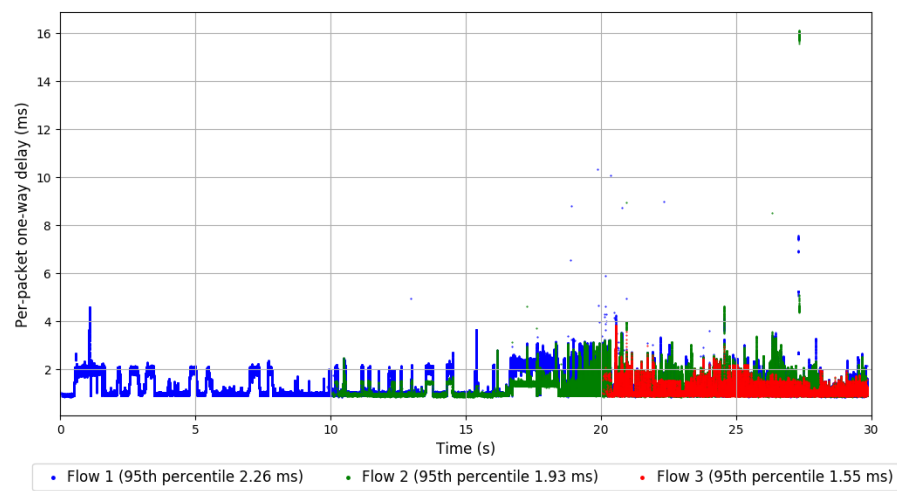
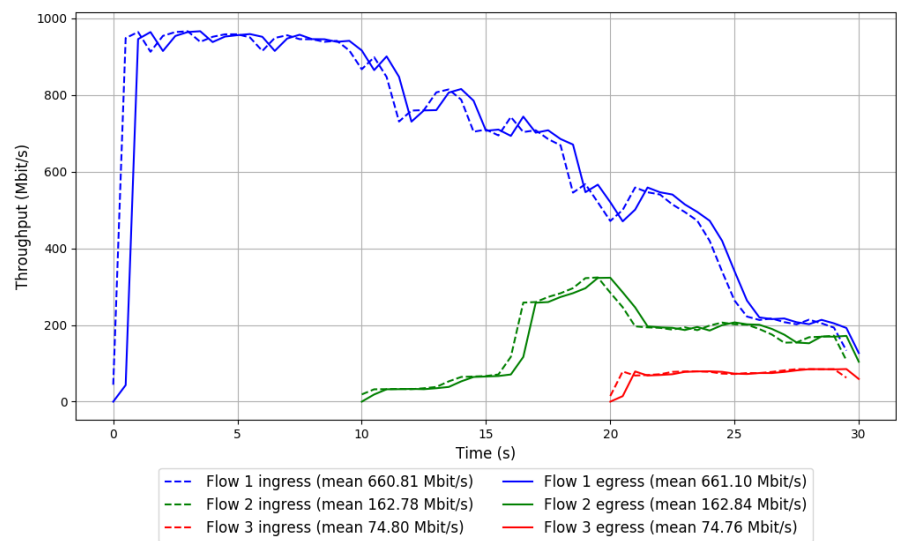
-- Flow 3:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 1.546 ms

Loss rate: 0.25%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 04:17:09

End at: 2018-08-10 04:17:39

Local clock offset: -0.237 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-10 07:37:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 773.15 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 648.87 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 184.58 Mbit/s

95th percentile per-packet one-way delay: 2.680 ms

Loss rate: 0.09%

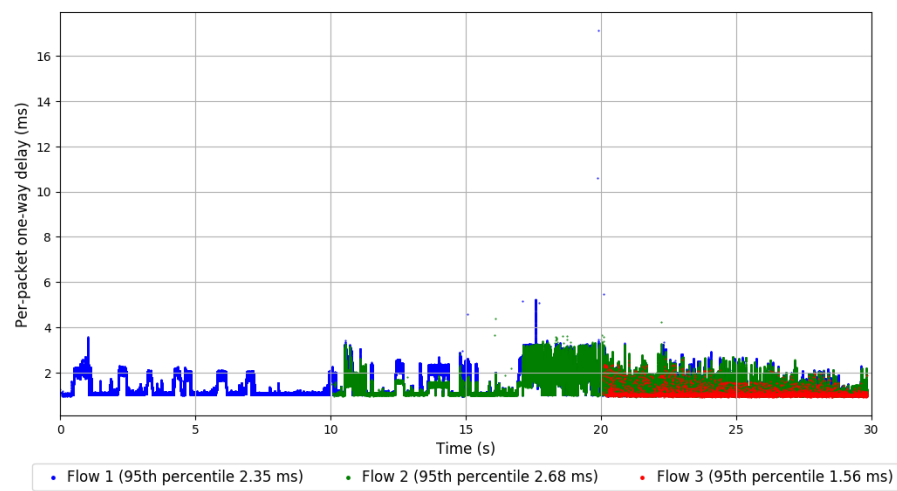
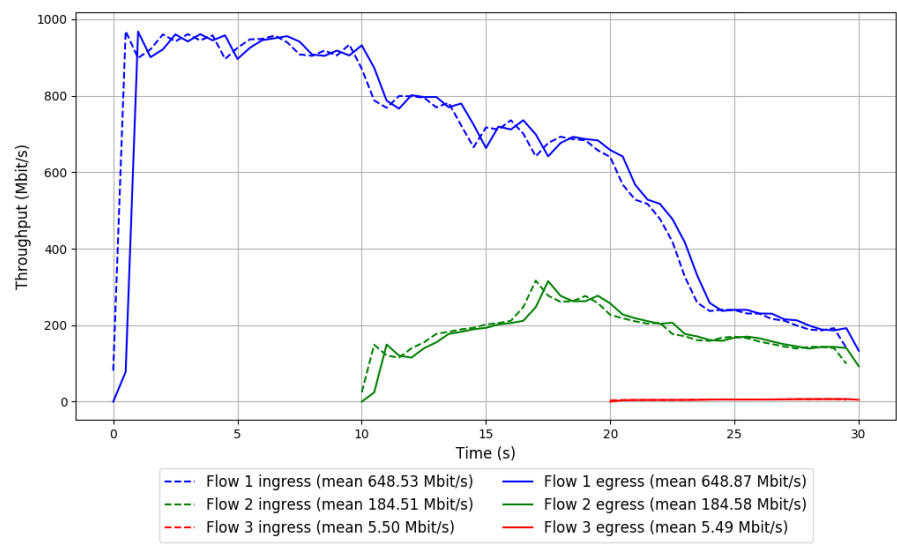
-- Flow 3:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 1.561 ms

Loss rate: 0.23%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 04:44:07

End at: 2018-08-10 04:44:37

Local clock offset: -0.276 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-10 07:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 777.13 Mbit/s

95th percentile per-packet one-way delay: 2.093 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 695.24 Mbit/s

95th percentile per-packet one-way delay: 2.104 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 1.633 ms

Loss rate: 0.13%

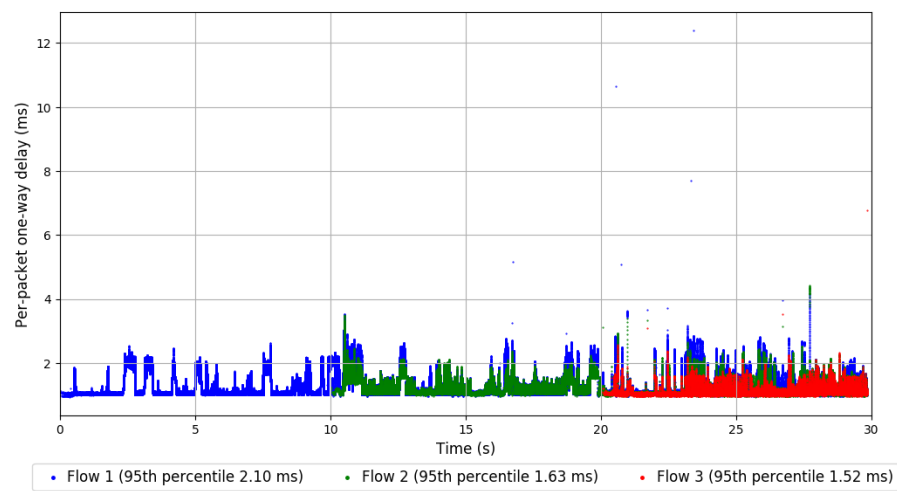
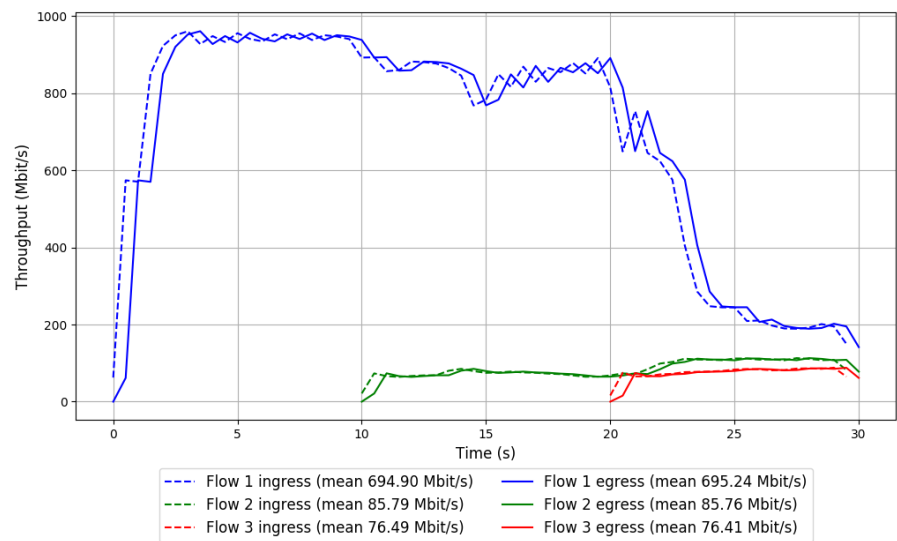
-- Flow 3:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 1.519 ms

Loss rate: 0.25%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 05:11:14

End at: 2018-08-10 05:11:44

Local clock offset: -0.959 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-08-10 07:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 742.69 Mbit/s

95th percentile per-packet one-way delay: 2.941 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 527.79 Mbit/s

95th percentile per-packet one-way delay: 2.930 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 286.74 Mbit/s

95th percentile per-packet one-way delay: 2.975 ms

Loss rate: 0.07%

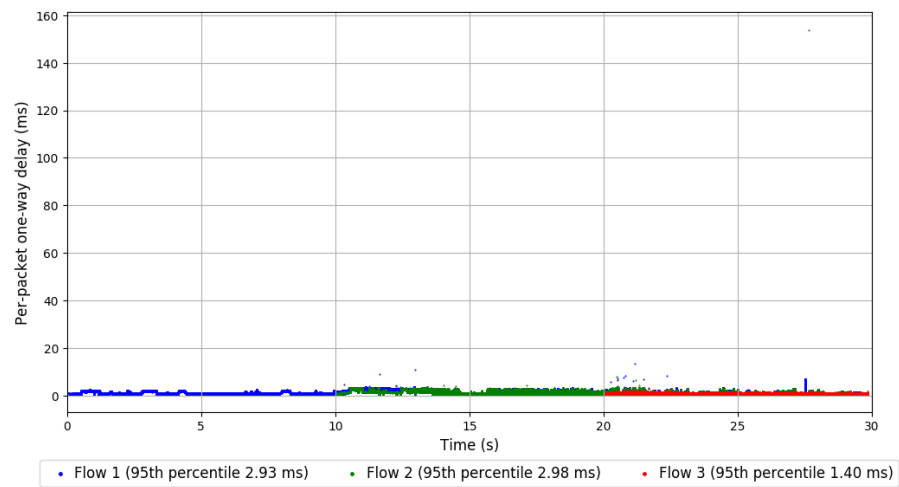
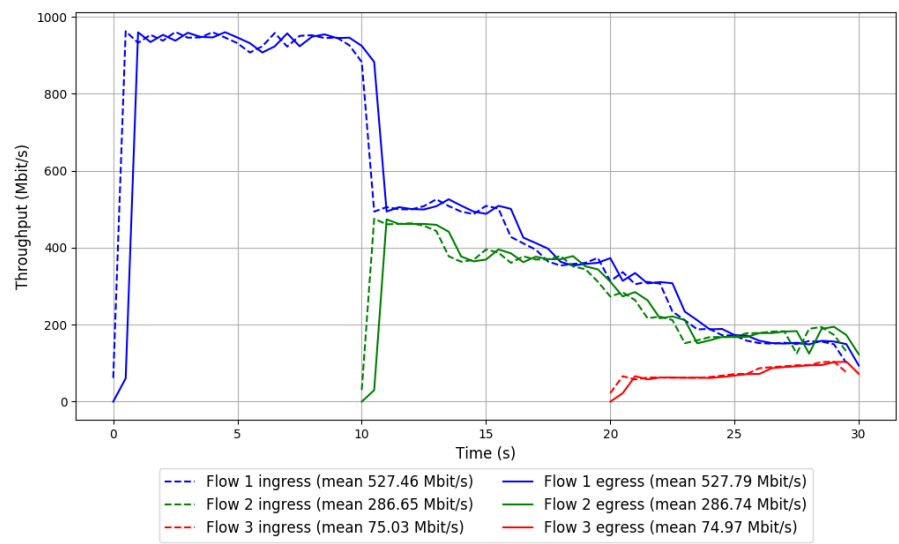
-- Flow 3:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 1.395 ms

Loss rate: 0.29%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 05:38:05

End at: 2018-08-10 05:38:35

Local clock offset: -1.157 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-10 07:43:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 812.10 Mbit/s

95th percentile per-packet one-way delay: 2.190 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 723.88 Mbit/s

95th percentile per-packet one-way delay: 2.190 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 1.788 ms

Loss rate: 0.23%

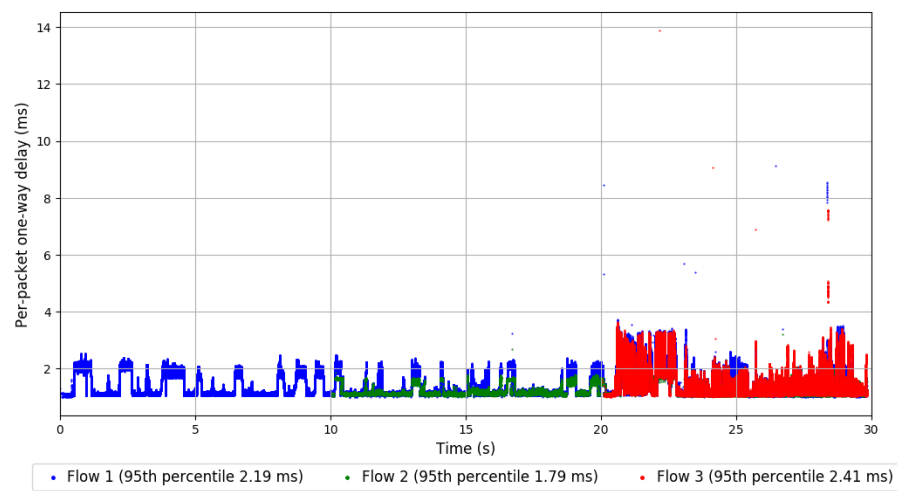
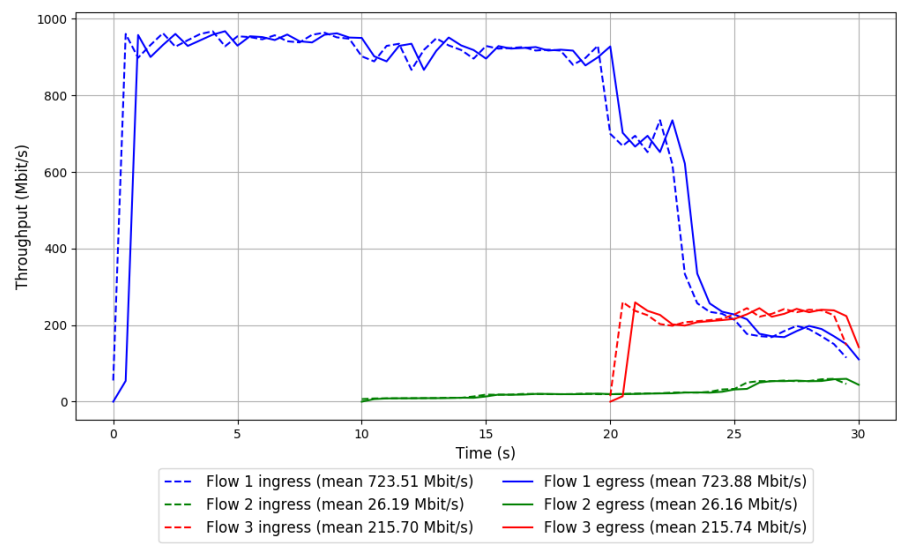
-- Flow 3:

Average throughput: 215.74 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 0.17%

Run 10: Report of PCC-Allegro — Data Link

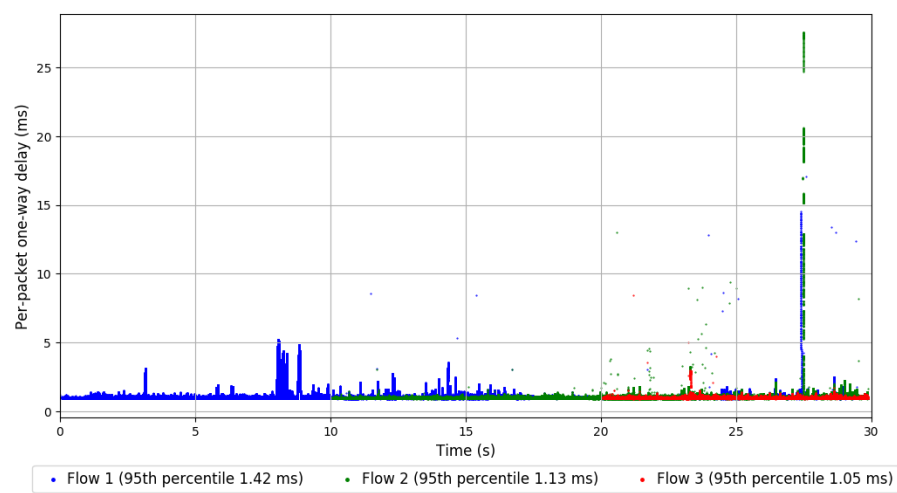
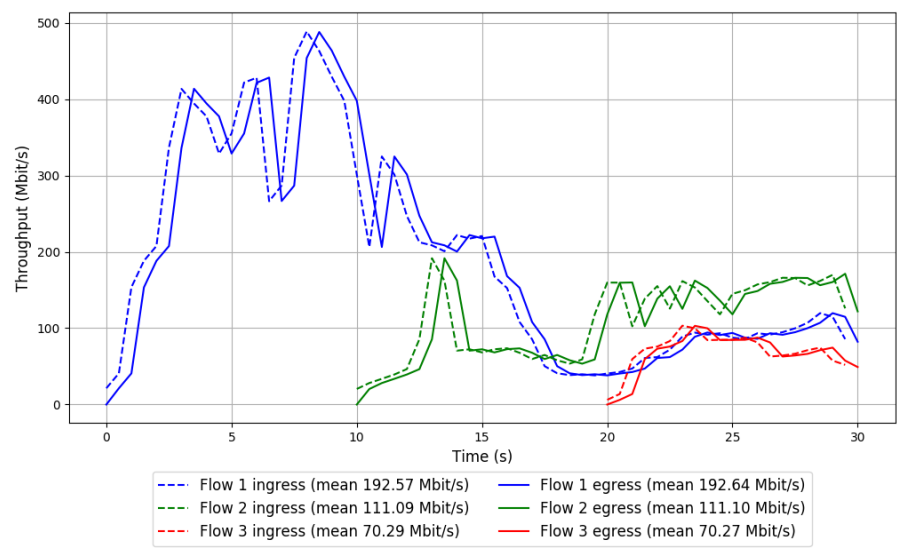


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 01:30:06
End at: 2018-08-10 01:30:36
Local clock offset: 0.172 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2018-08-10 07:43:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.62 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 192.64 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 111.10 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.22%
```


Run 1: Report of PCC-Expr — Data Link

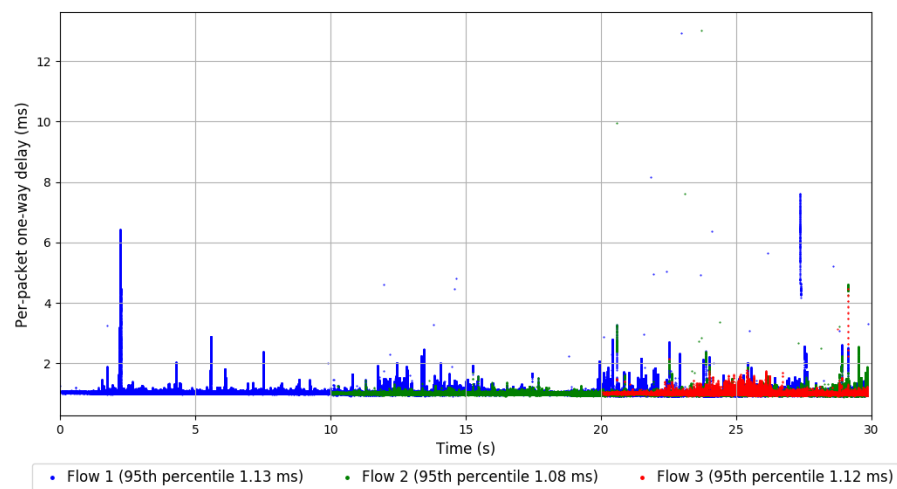
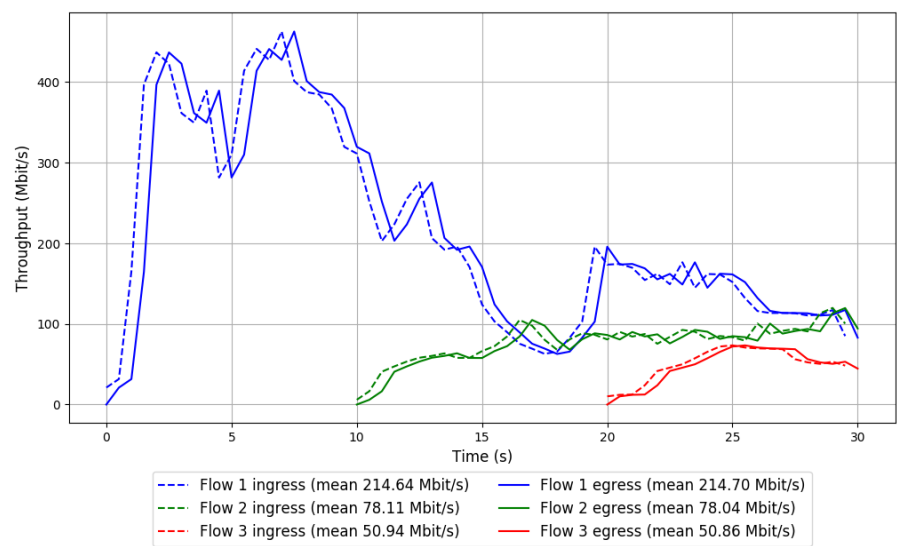


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 01:57:02
End at: 2018-08-10 01:57:32
Local clock offset: -0.096 ms
Remote clock offset: 0.782 ms

# Below is generated by plot.py at 2018-08-10 07:43:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.28 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 214.70 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.38%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 02:24:04

End at: 2018-08-10 02:24:34

Local clock offset: -0.284 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-08-10 07:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.63 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 255.56 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 107.25 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.14%

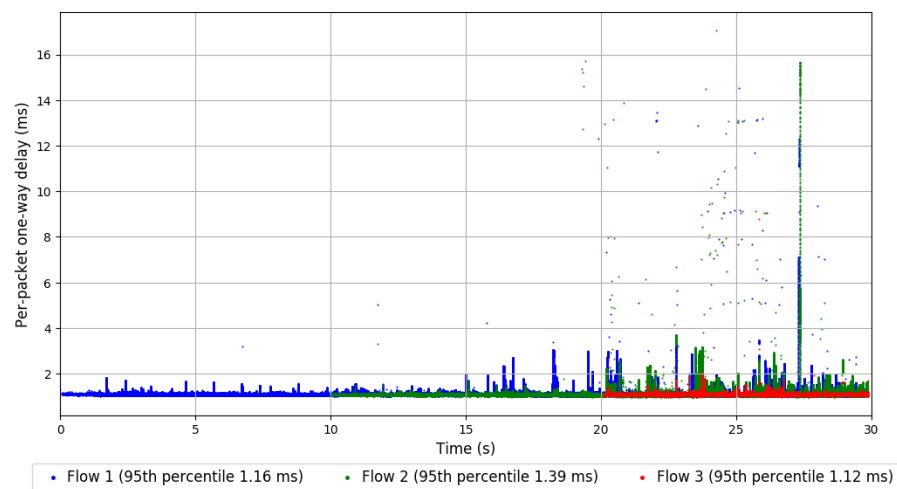
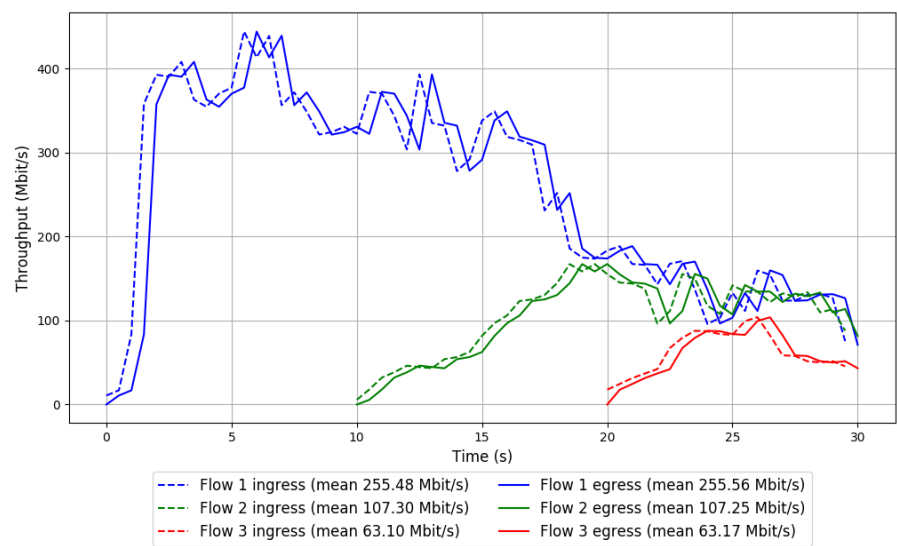
-- Flow 3:

Average throughput: 63.17 Mbit/s

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

Loss rate: 0.20%

Run 3: Report of PCC-Expr — Data Link

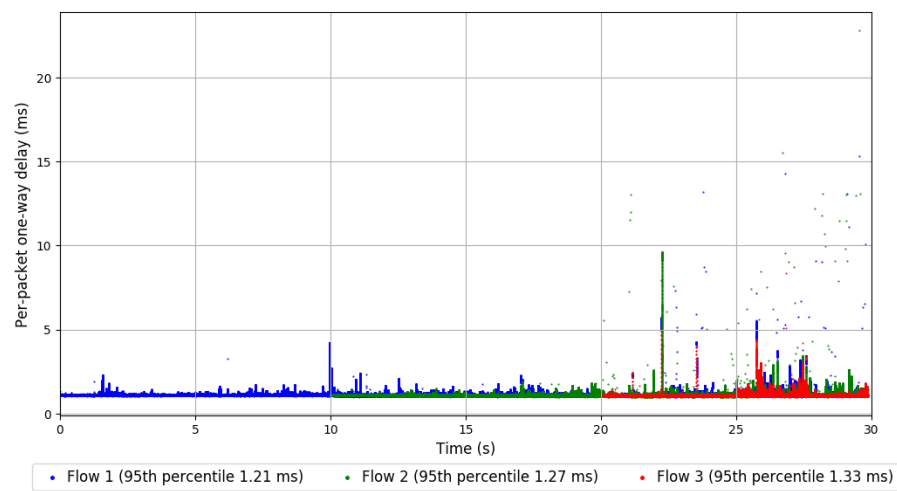
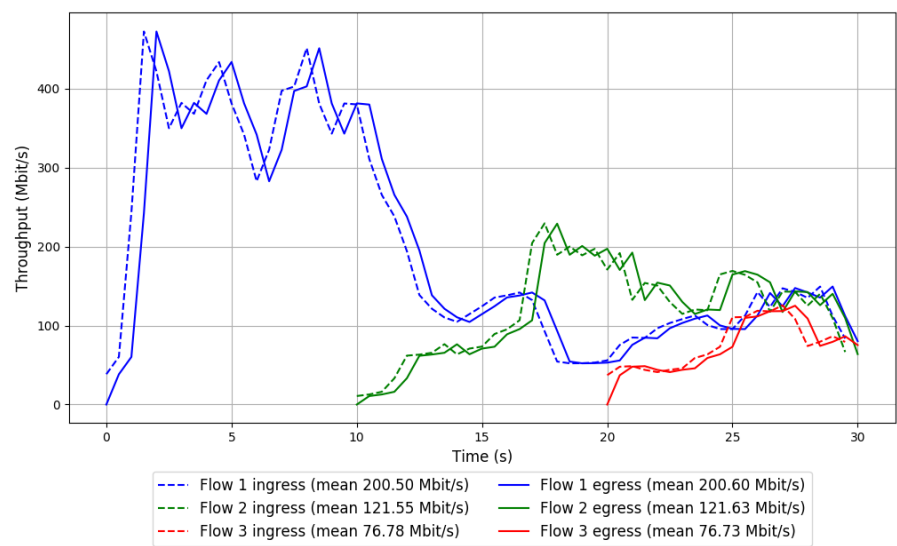


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 02:51:02
End at: 2018-08-10 02:51:32
Local clock offset: -0.346 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-10 07:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.76 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 200.60 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 121.63 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.28%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 03:18:10

End at: 2018-08-10 03:18:40

Local clock offset: -0.438 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-10 07:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.56 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 227.45 Mbit/s

95th percentile per-packet one-way delay: 1.037 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 55.11 Mbit/s

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

Loss rate: 0.08%

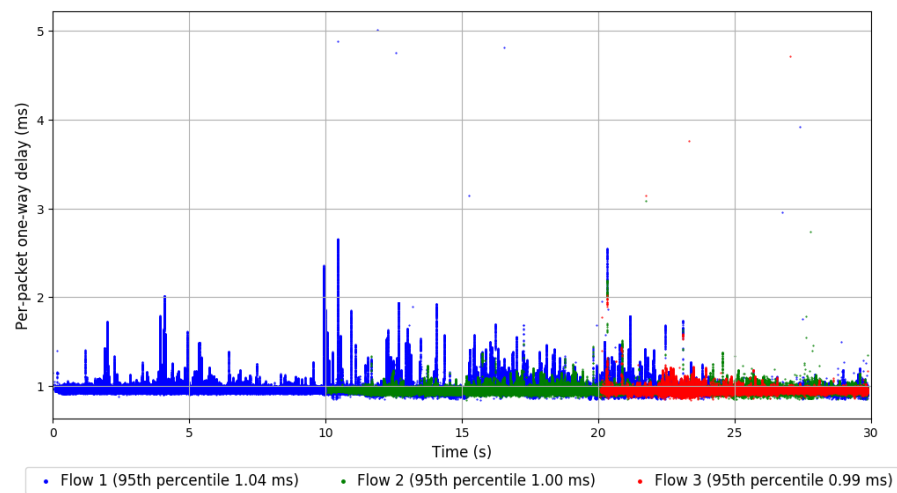
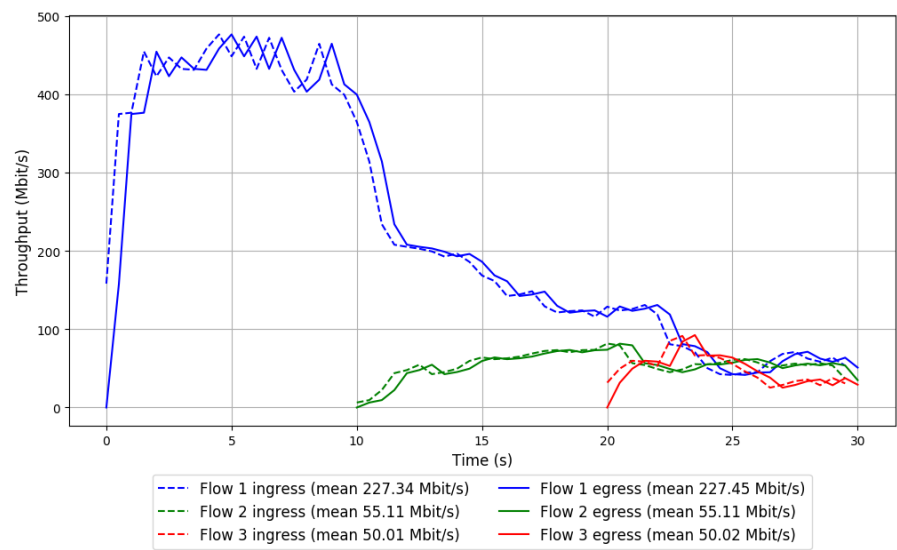
-- Flow 3:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.18%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 03:45:09

End at: 2018-08-10 03:45:39

Local clock offset: -0.299 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-10 07:45:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.39 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 245.82 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 149.01 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.05%

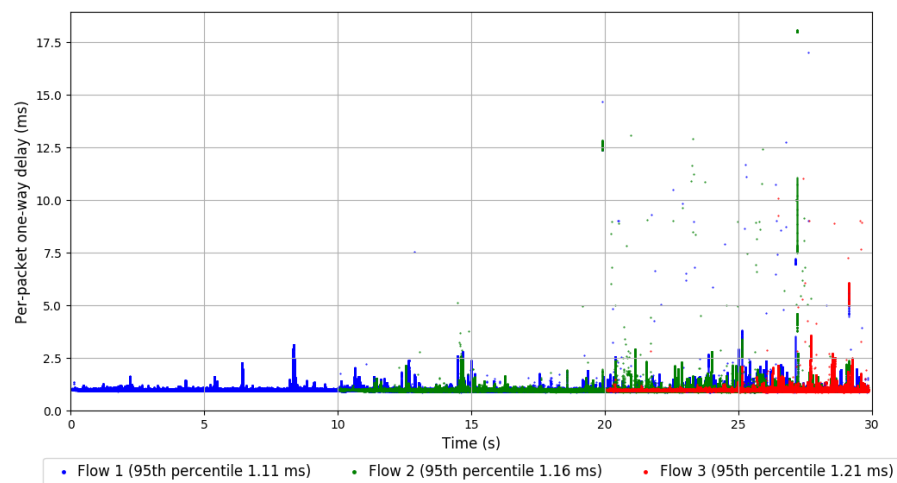
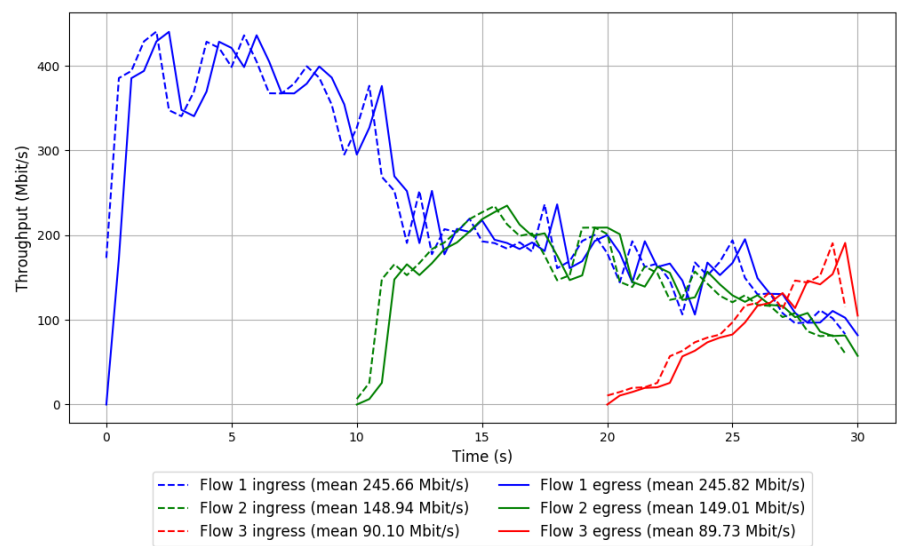
-- Flow 3:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 1.211 ms

Loss rate: 0.62%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 04:12:11

End at: 2018-08-10 04:12:41

Local clock offset: -0.25 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-08-10 07:48:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.25 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 225.48 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 126.86 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.12%

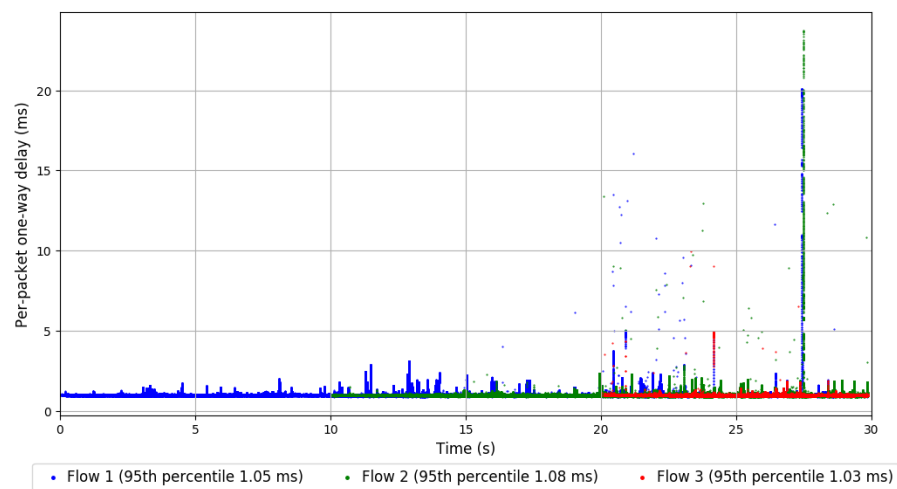
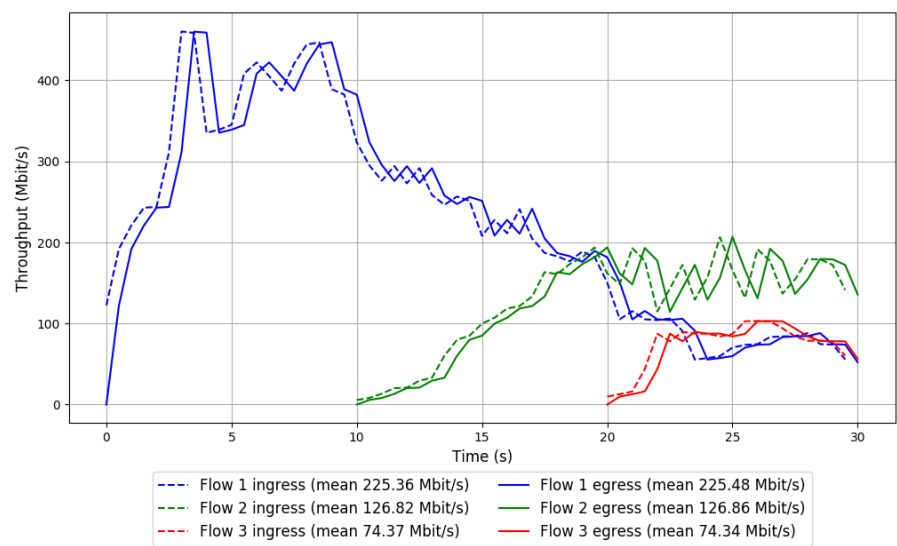
-- Flow 3:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 1.027 ms

Loss rate: 0.28%

Run 7: Report of PCC-Expr — Data Link

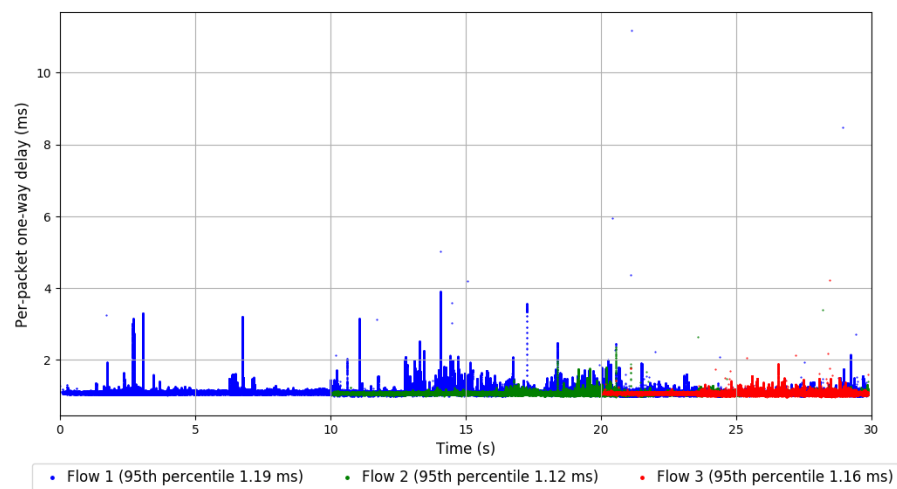
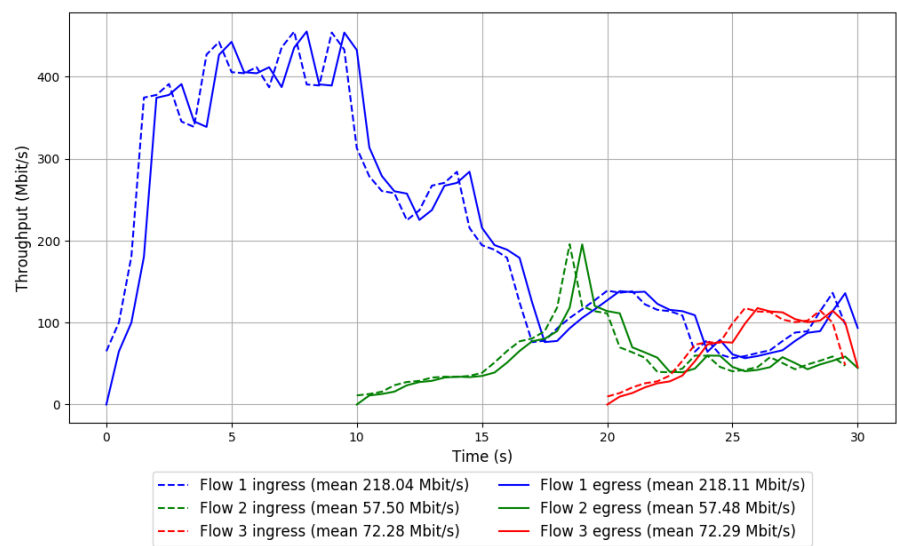


Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 04:39:17
End at: 2018-08-10 04:39:47
Local clock offset: -0.263 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-10 07:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.13 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.18%

Run 8: Report of PCC-Expr — Data Link

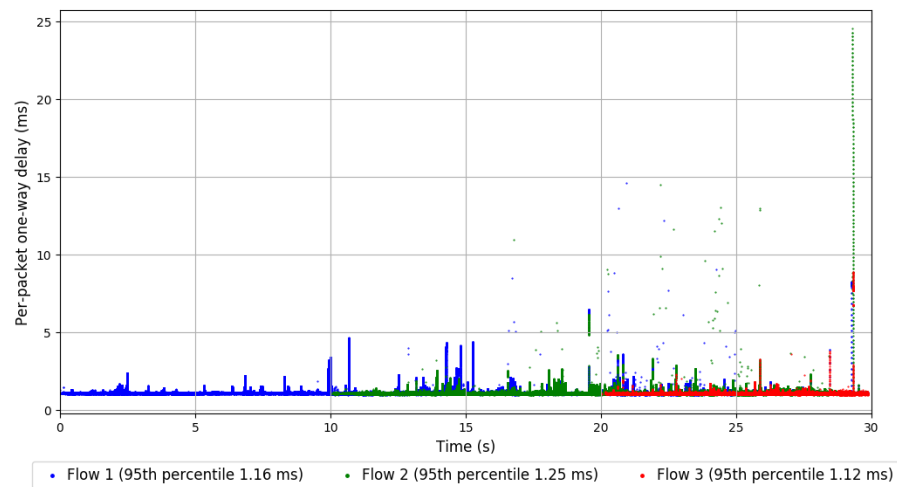
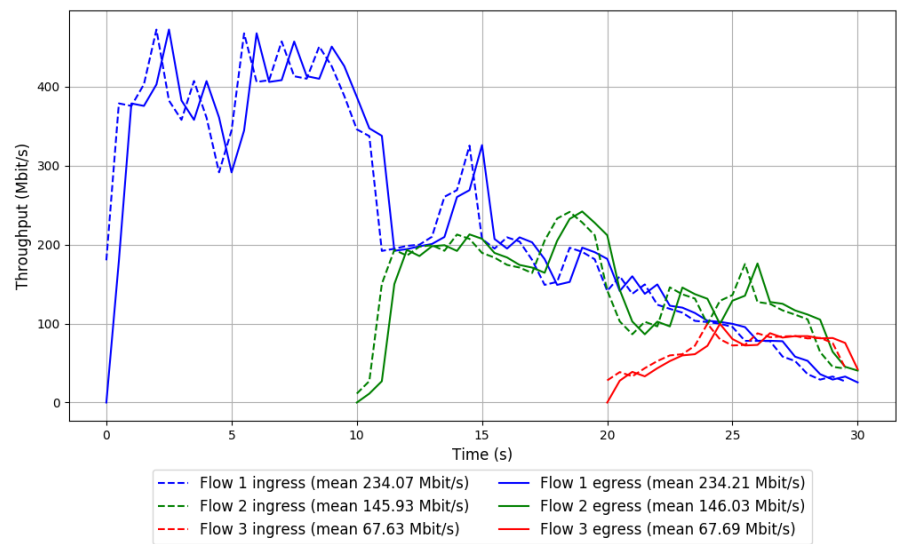


Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 05:06:14
End at: 2018-08-10 05:06:44
Local clock offset: -0.792 ms
Remote clock offset: -0.487 ms

Below is generated by plot.py at 2018-08-10 07:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.54 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 234.21 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 146.03 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.15%

Run 9: Report of PCC-Expr — Data Link

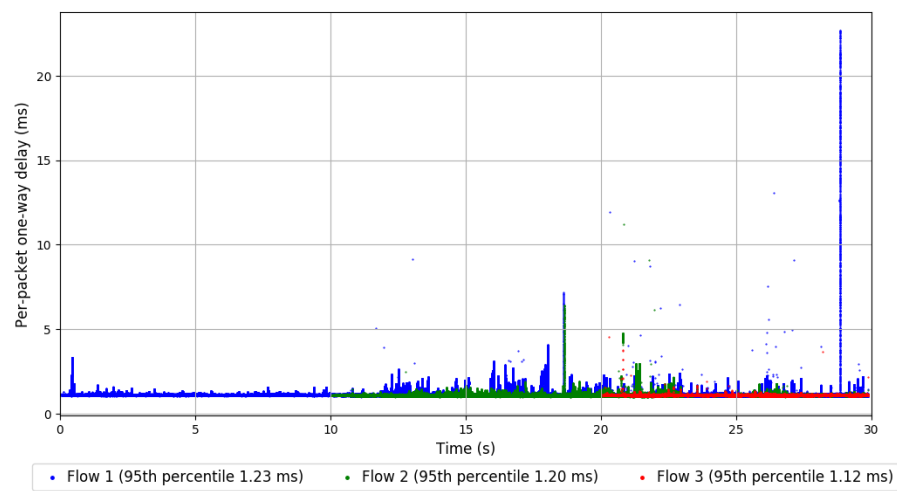
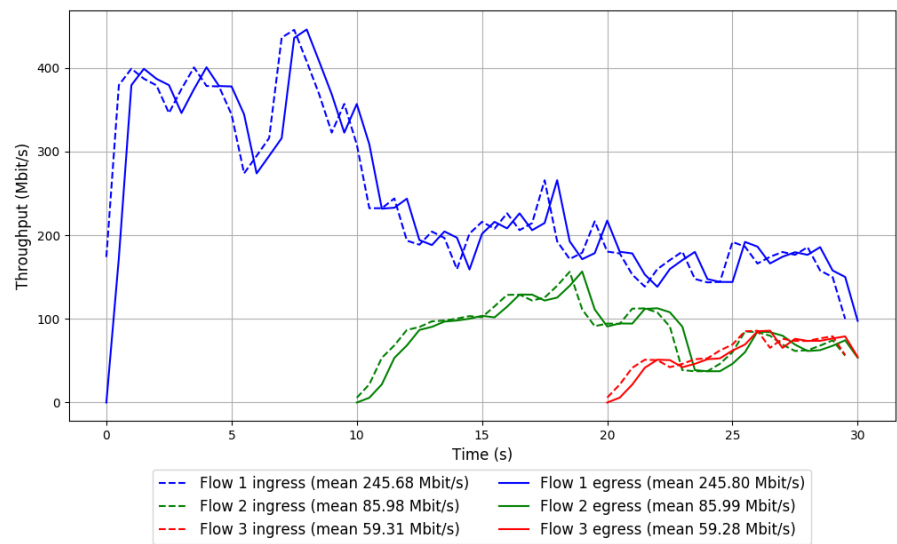


Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 05:33:10
End at: 2018-08-10 05:33:40
Local clock offset: -1.096 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.48 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 245.80 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.22%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 01:37:56

End at: 2018-08-10 01:38:26

Local clock offset: 0.207 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.48 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 1.120 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.08%

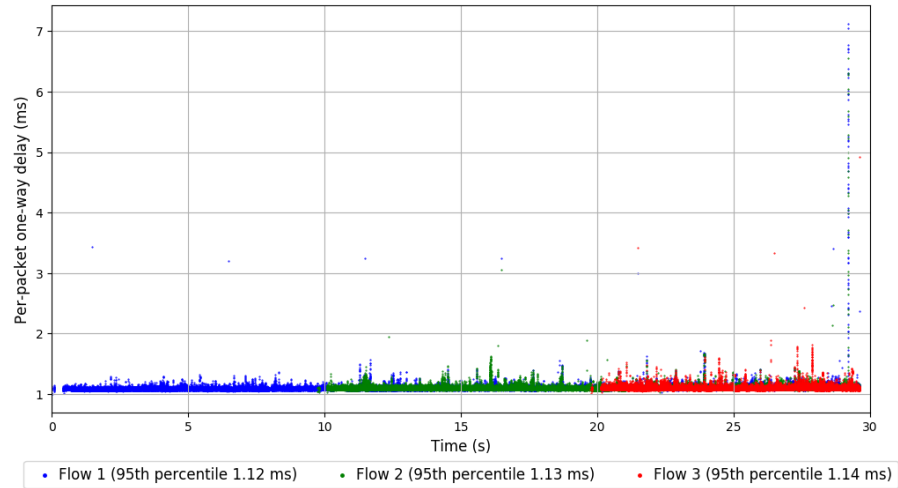
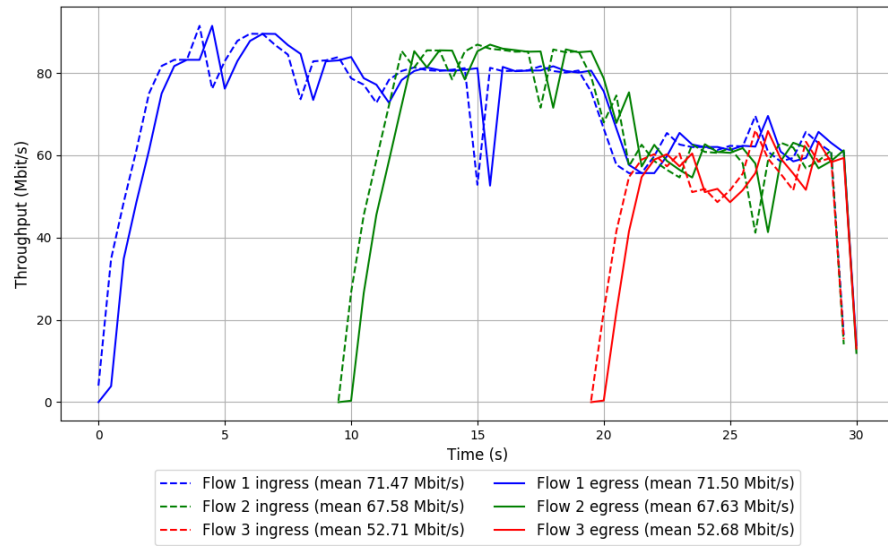
-- Flow 3:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.22%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 02:04:53

End at: 2018-08-10 02:05:23

Local clock offset: -0.224 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.34 Mbit/s

95th percentile per-packet one-way delay: 1.072 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 77.43 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 64.31 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.10%

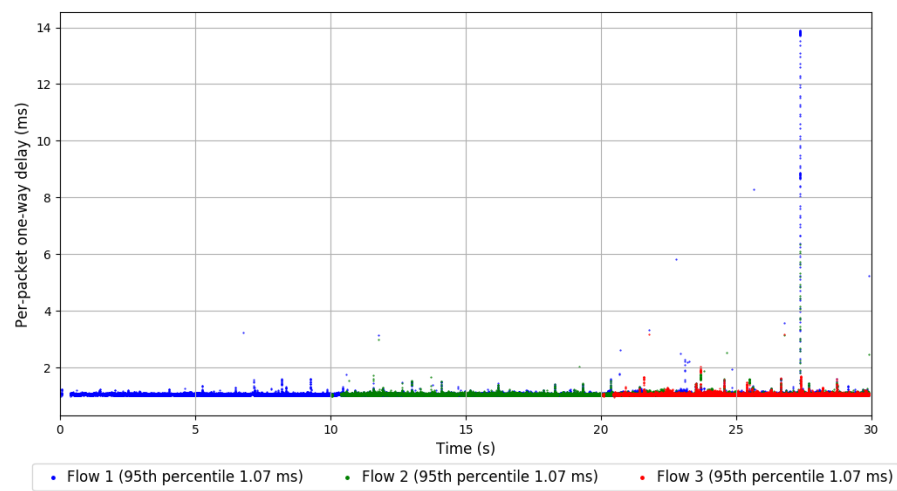
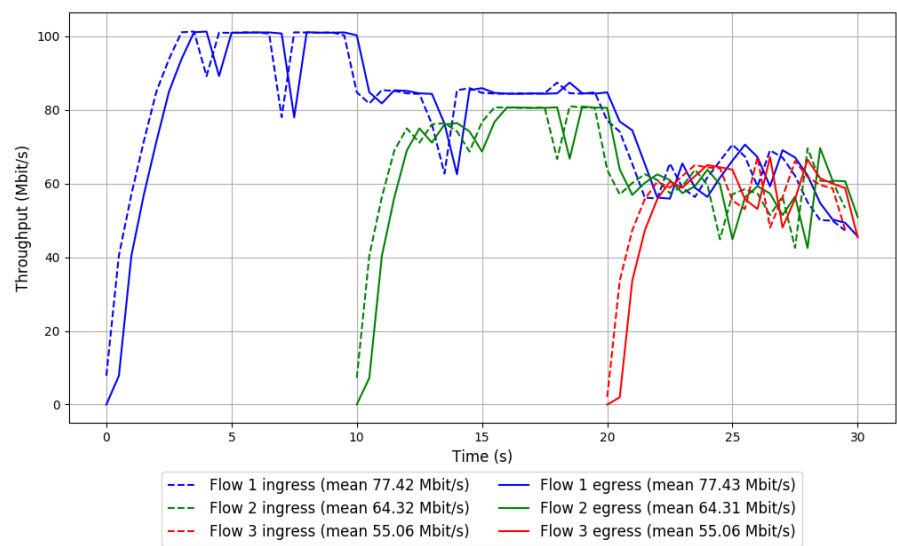
-- Flow 3:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.20%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 02:31:56

End at: 2018-08-10 02:32:26

Local clock offset: -0.408 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.00 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.89 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 0.973 ms

Loss rate: 0.09%

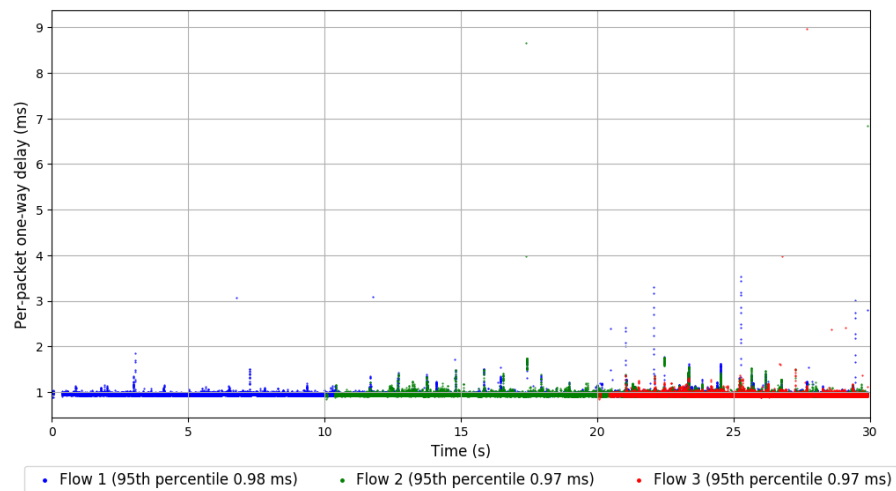
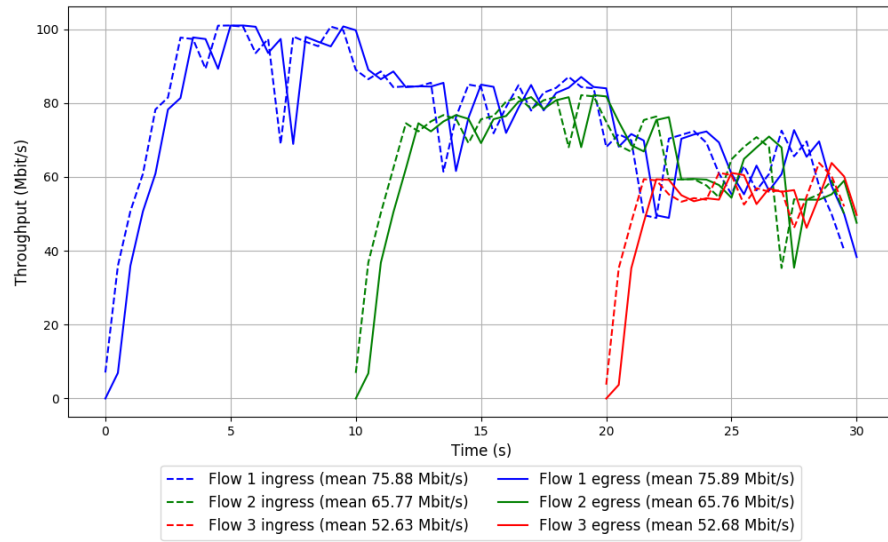
-- Flow 3:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 0.968 ms

Loss rate: 0.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 02:58:53

End at: 2018-08-10 02:59:23

Local clock offset: -0.36 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.21 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 76.19 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 68.19 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.10%

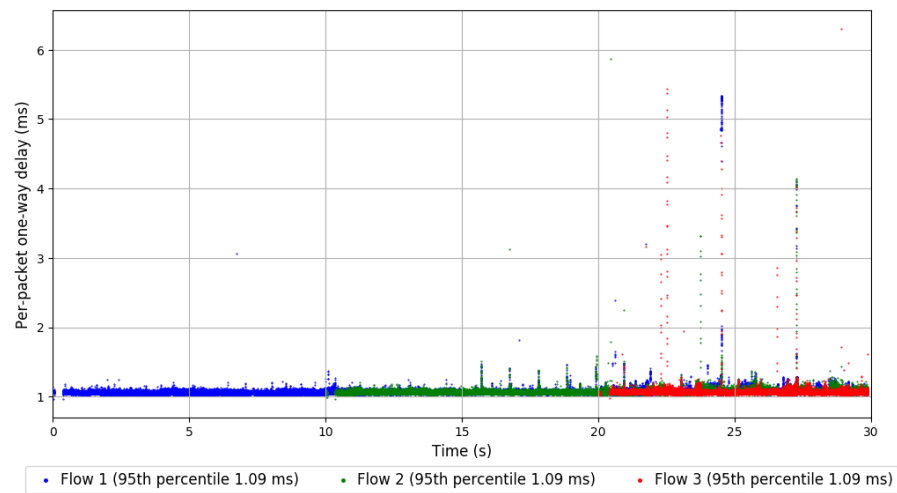
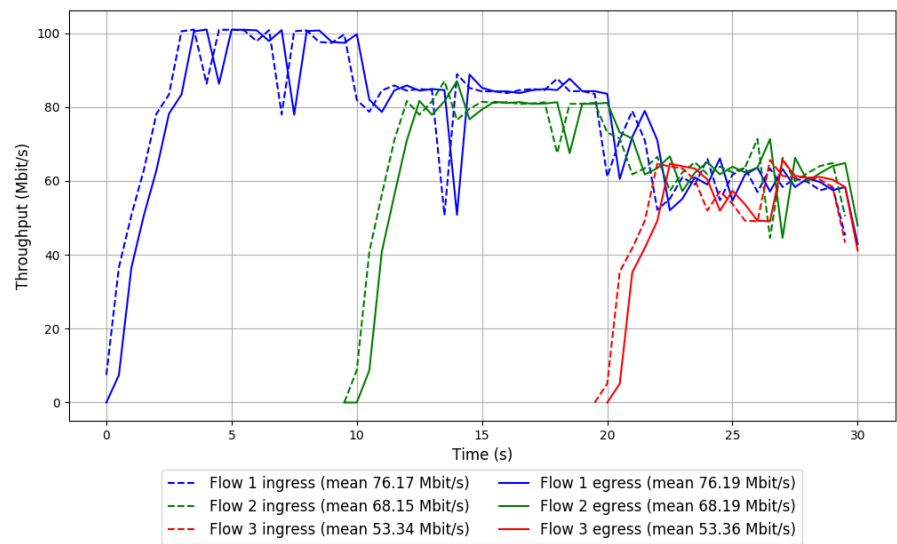
-- Flow 3:

Average throughput: 53.36 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 03:26:00

End at: 2018-08-10 03:26:30

Local clock offset: -0.264 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.15 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 73.43 Mbit/s

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

Loss rate: 0.04%

-- Flow 2:

Average throughput: 68.73 Mbit/s

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

Loss rate: 0.10%

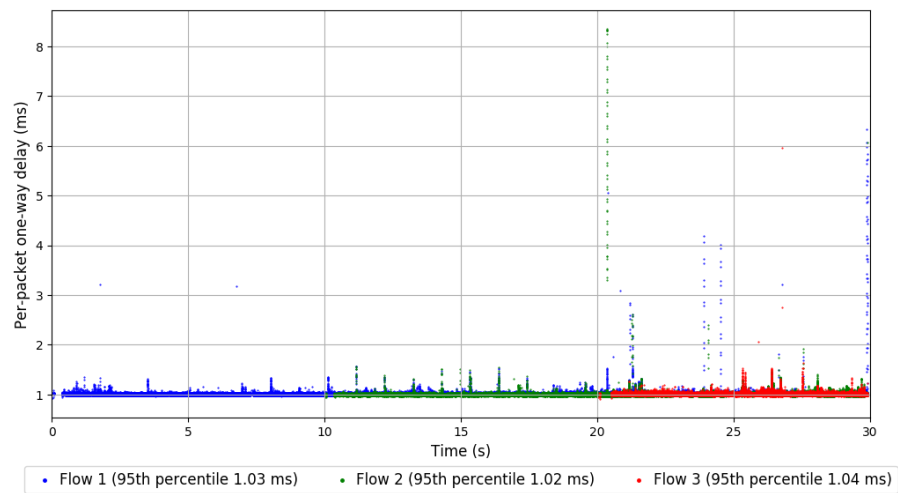
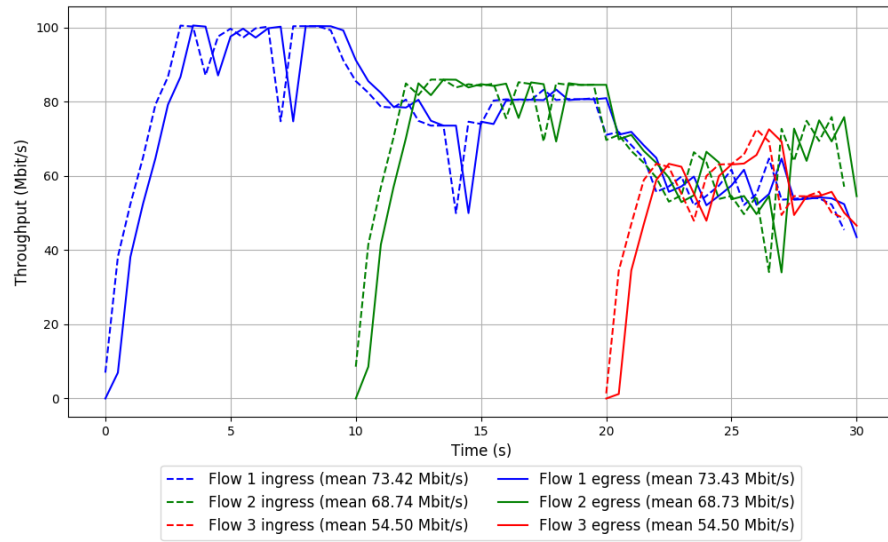
-- Flow 3:

Average throughput: 54.50 Mbit/s

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

Loss rate: 0.19%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 03:53:02

End at: 2018-08-10 03:53:32

Local clock offset: -0.288 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.93 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 71.04 Mbit/s

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

Loss rate: 0.06%

-- Flow 2:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.08%

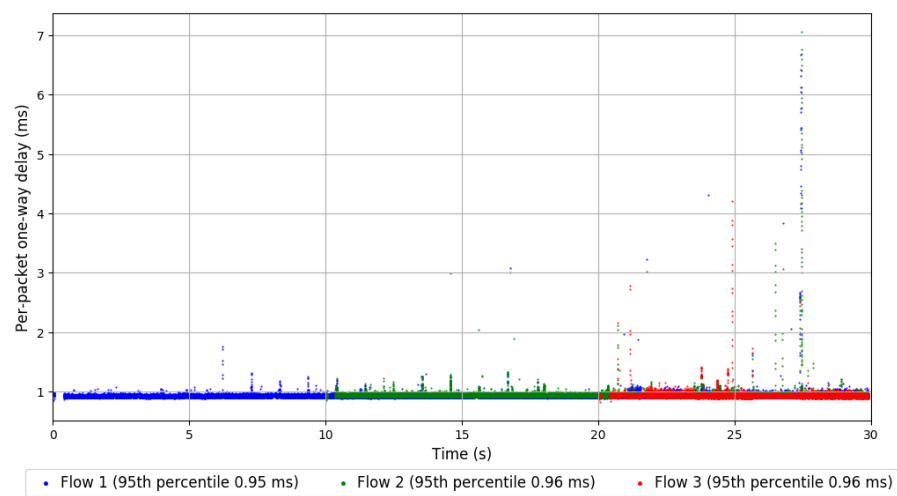
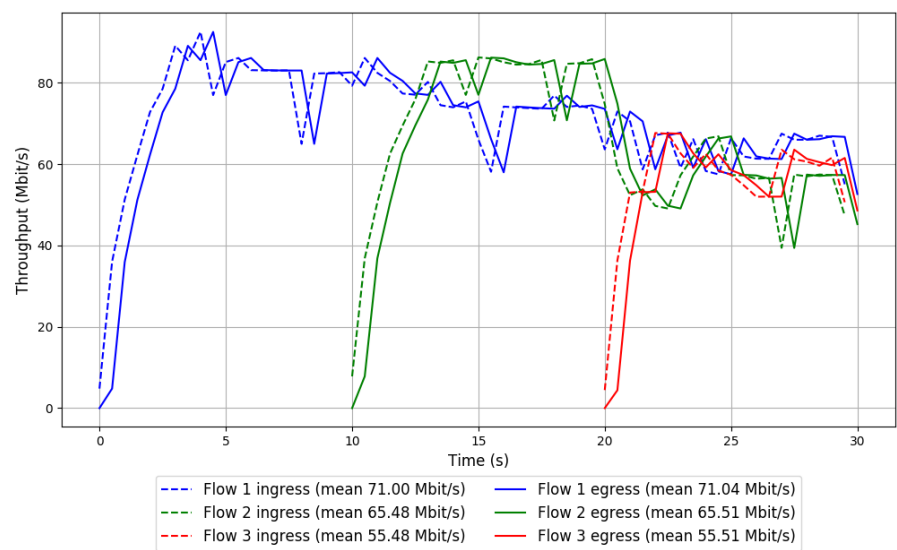
-- Flow 3:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 0.957 ms

Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 04:20:03

End at: 2018-08-10 04:20:33

Local clock offset: -0.22 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.03 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 66.58 Mbit/s

95th percentile per-packet one-way delay: 0.988 ms

Loss rate: 0.09%

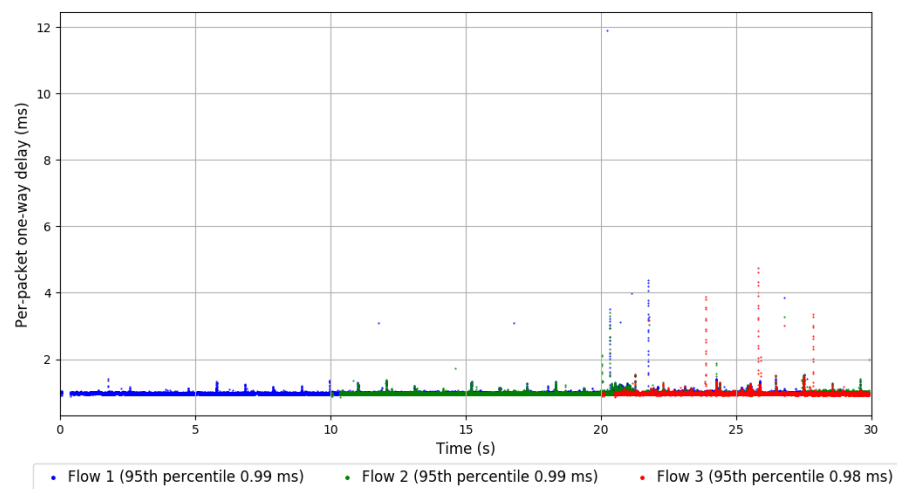
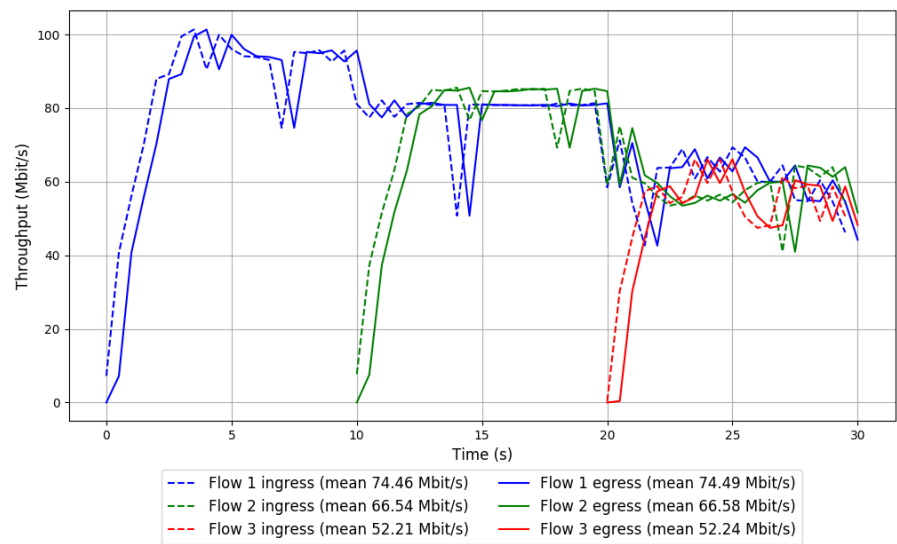
-- Flow 3:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link

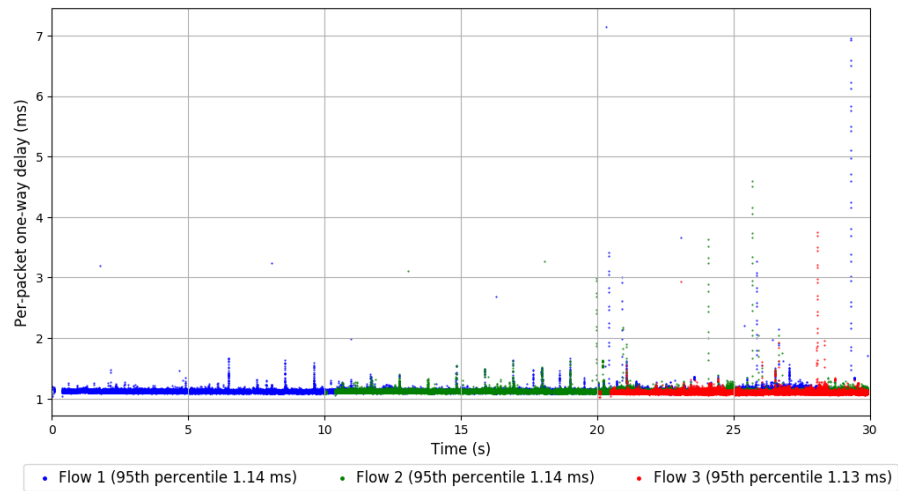
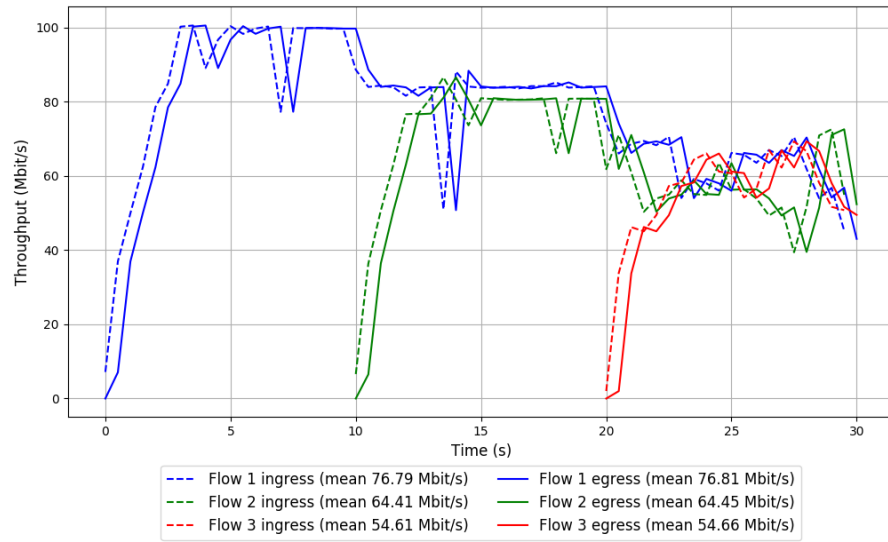


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 04:47:01
End at: 2018-08-10 04:47:31
Local clock offset: -0.353 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.73 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 54.66 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.13%

Run 8: Report of QUIC Cubic — Data Link

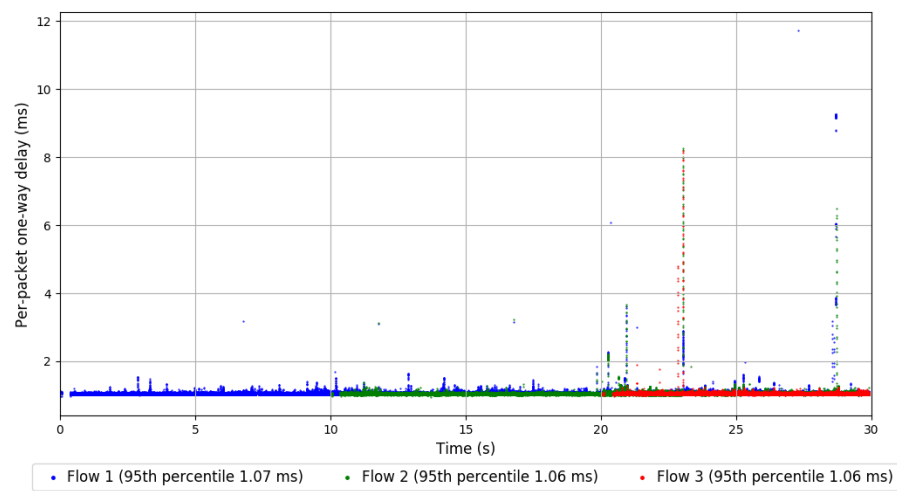
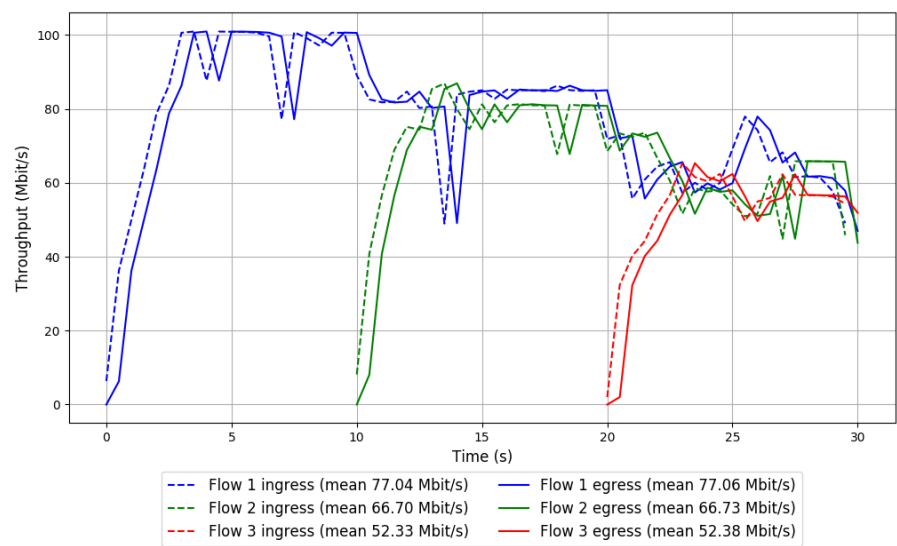


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 05:14:08
End at: 2018-08-10 05:14:38
Local clock offset: -0.891 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.73 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 66.73 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 52.38 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.25%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 05:41:00

End at: 2018-08-10 05:41:30

Local clock offset: -1.204 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.96 Mbit/s

95th percentile per-packet one-way delay: 1.120 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 1.118 ms

Loss rate: 0.10%

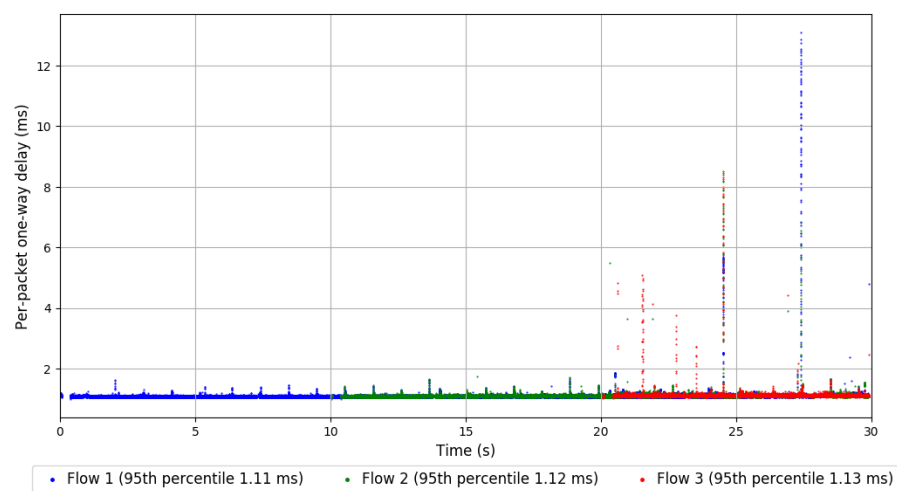
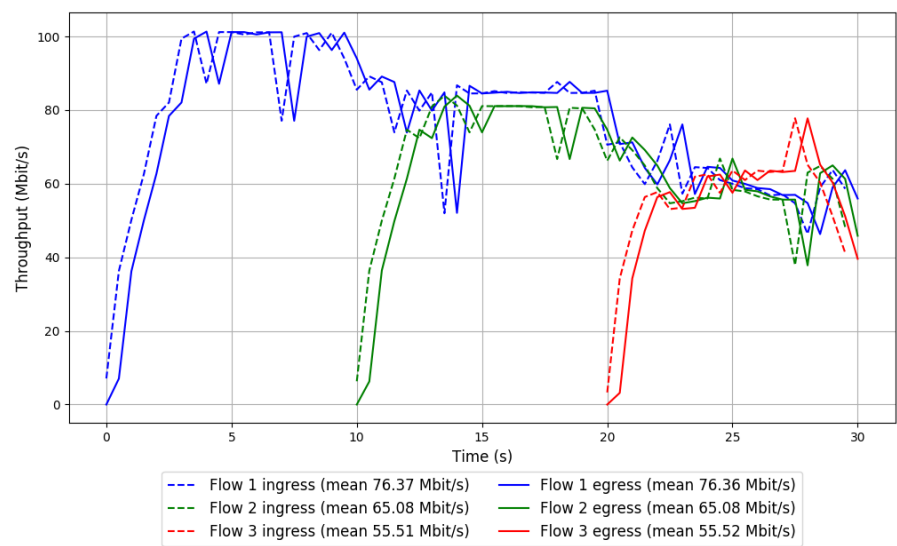
-- Flow 3:

Average throughput: 55.52 Mbit/s

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

Loss rate: 0.16%

Run 10: Report of QUIC Cubic — Data Link

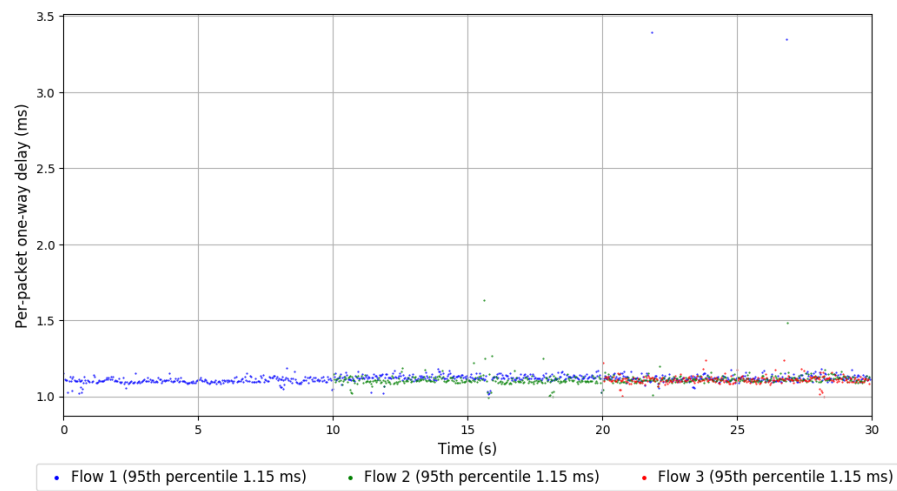
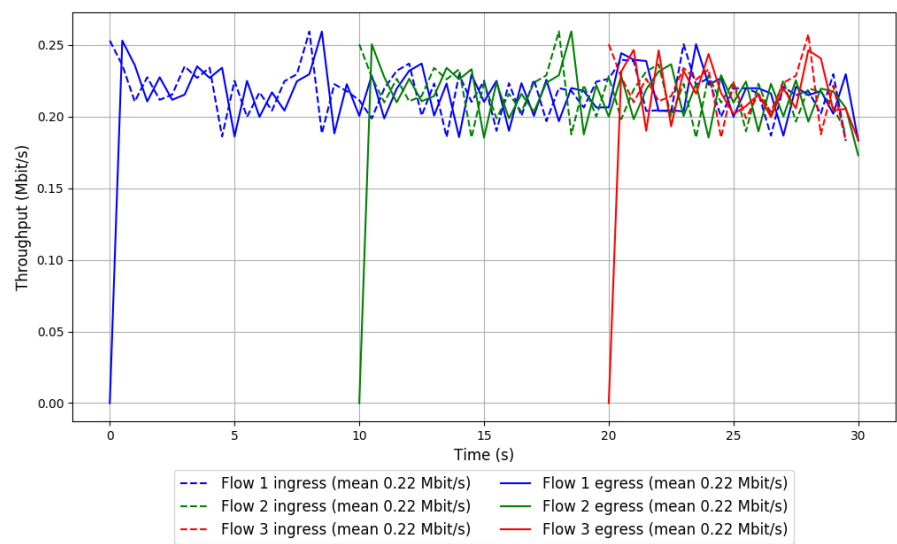


```
Run 1: Statistics of SReAM

Start at: 2018-08-10 01:36:38
End at: 2018-08-10 01:37:08
Local clock offset: 0.188 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2018-08-10 07:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.36%
```


Run 1: Report of SReAM — Data Link

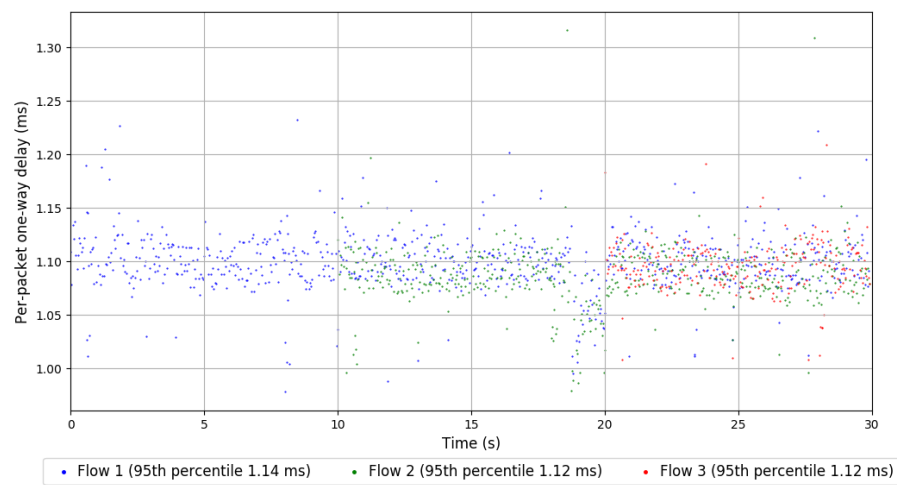
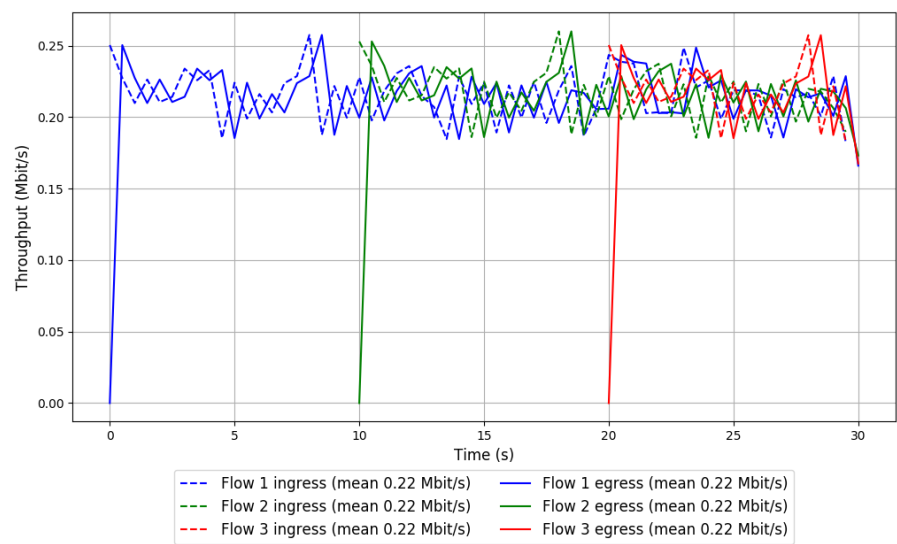


```
Run 2: Statistics of SReAM

Start at: 2018-08-10 02:03:35
End at: 2018-08-10 02:04:05
Local clock offset: -0.192 ms
Remote clock offset: 0.344 ms

# Below is generated by plot.py at 2018-08-10 07:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.36%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-10 02:30:38

End at: 2018-08-10 02:31:08

Local clock offset: -0.31 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.19%

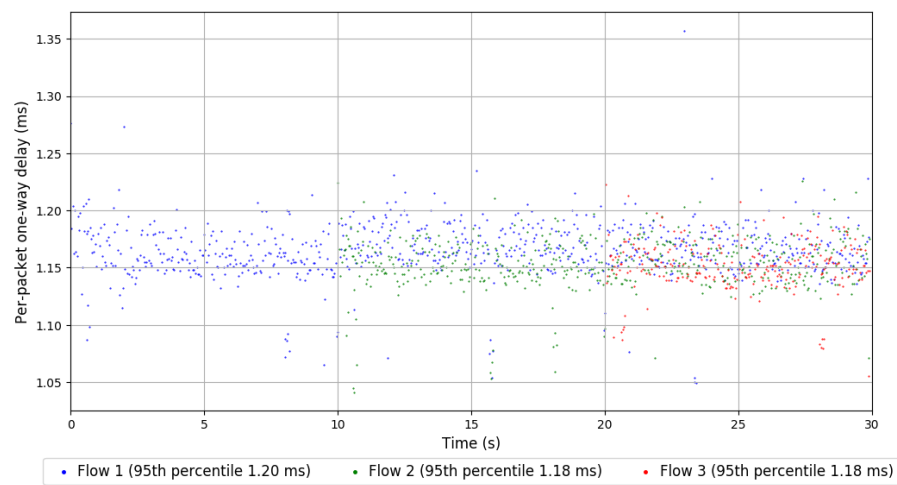
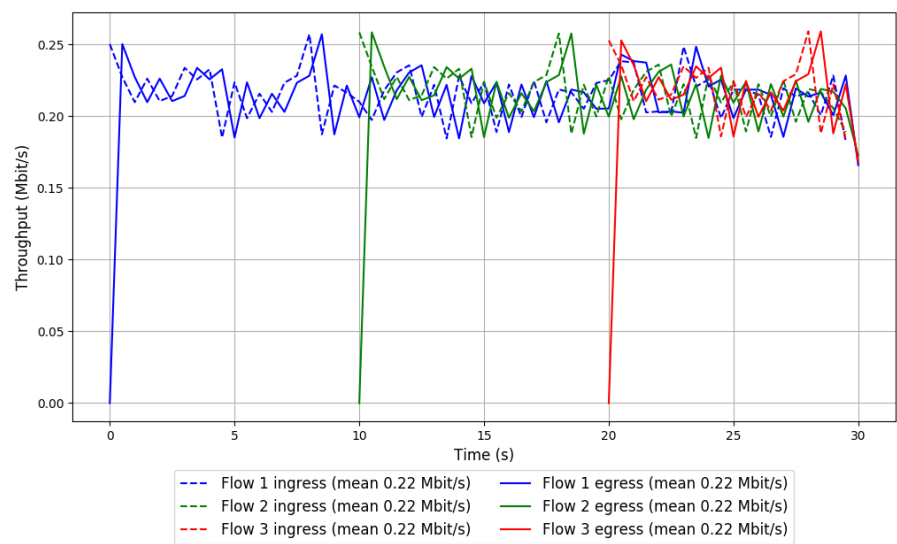
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

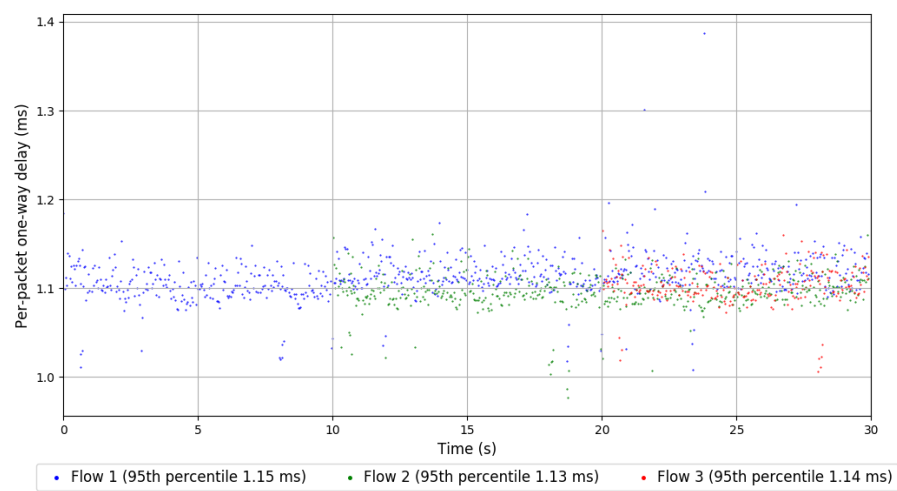
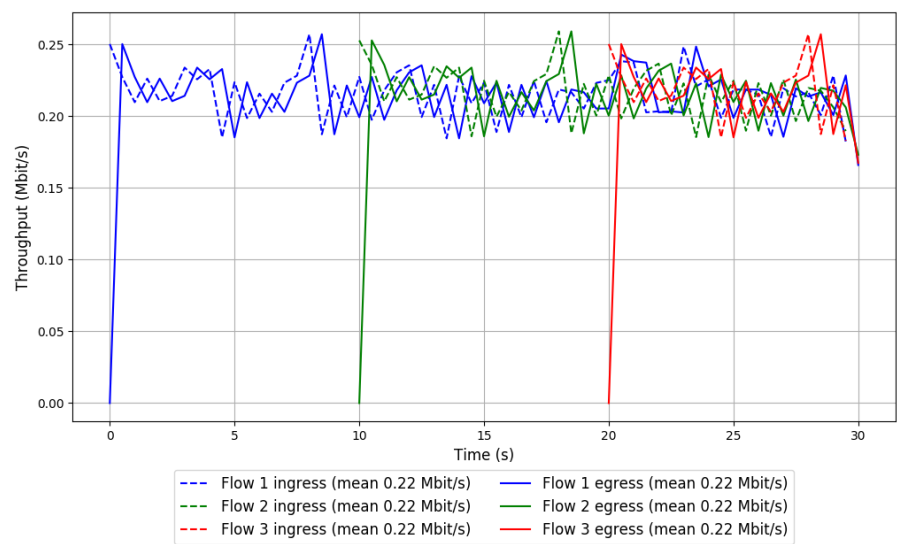


Run 4: Statistics of SReAM

Start at: 2018-08-10 02:57:35
End at: 2018-08-10 02:58:05
Local clock offset: -0.342 ms
Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.36%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-10 03:24:42

End at: 2018-08-10 03:25:12

Local clock offset: -0.355 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.125 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.19%

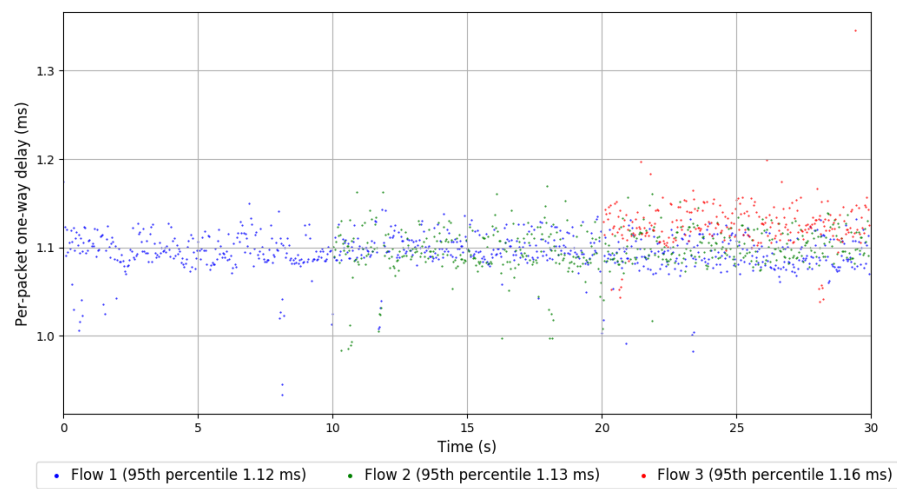
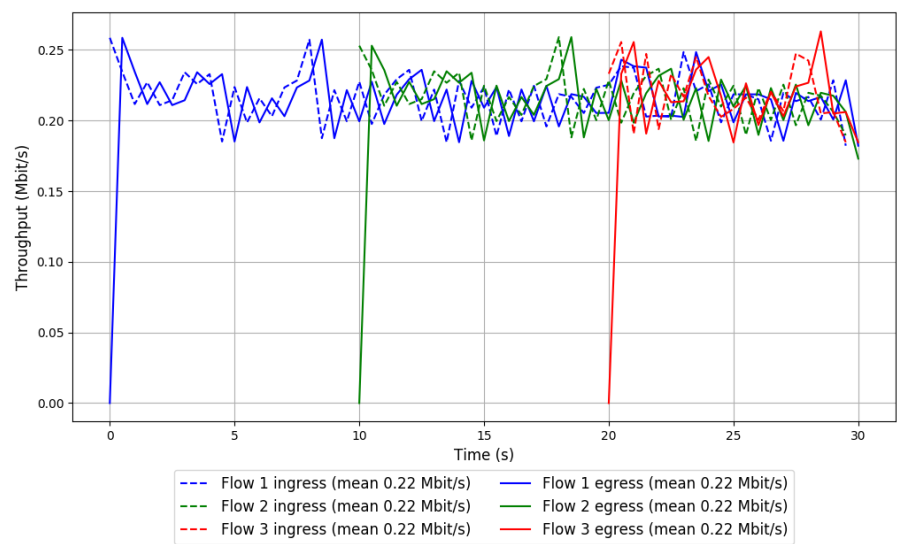
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.155 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-10 03:51:44

End at: 2018-08-10 03:52:14

Local clock offset: -0.209 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.216 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.19%

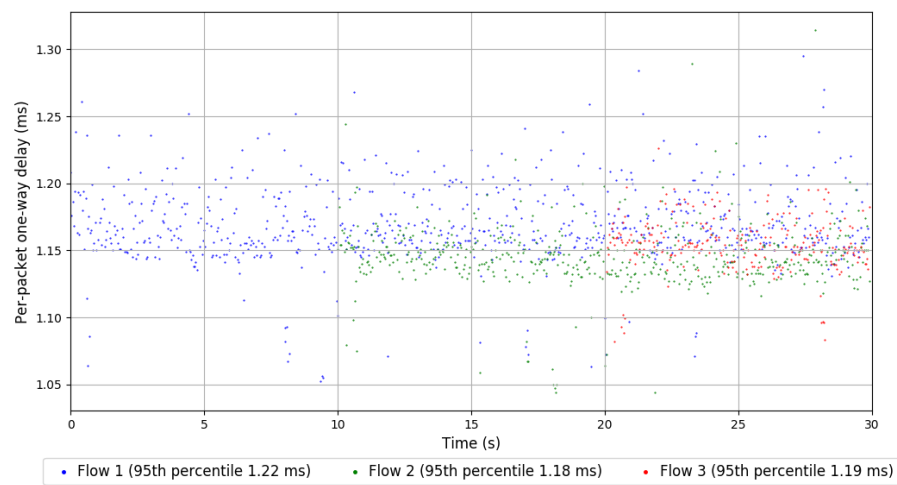
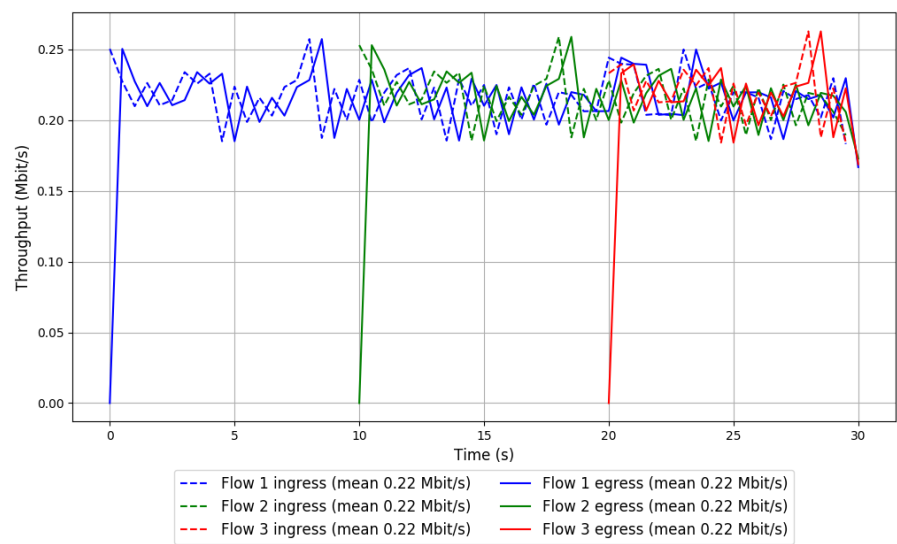
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

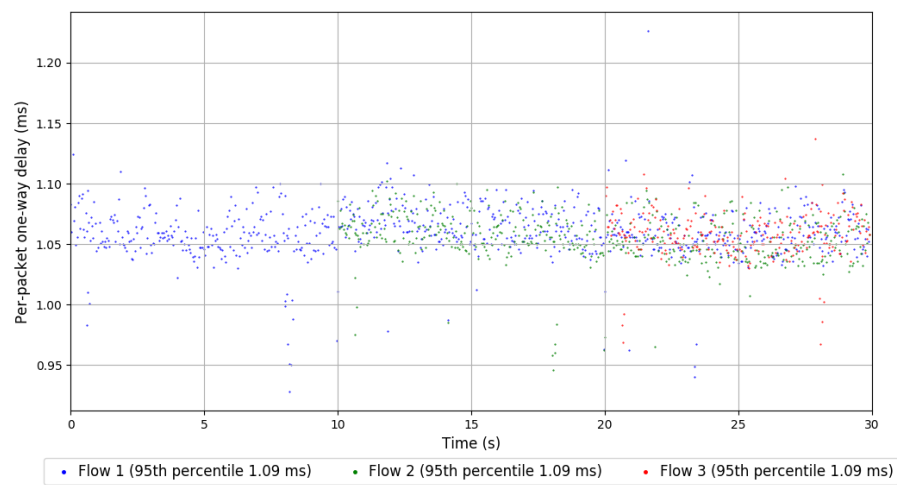
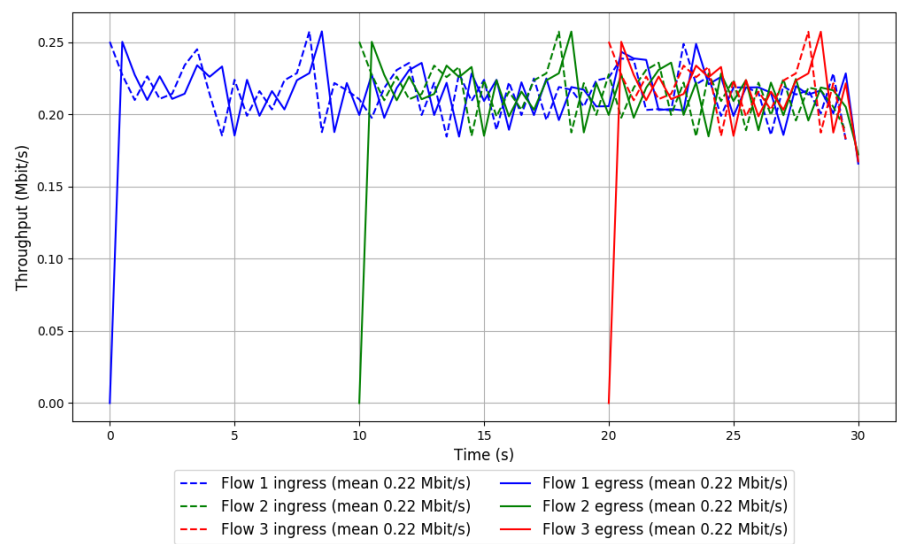


Run 7: Statistics of SReAM

Start at: 2018-08-10 04:18:45
End at: 2018-08-10 04:19:15
Local clock offset: -0.306 ms
Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.36%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-10 04:45:44

End at: 2018-08-10 04:46:14

Local clock offset: -0.308 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-10 07:50:45

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: 1.219 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.19%

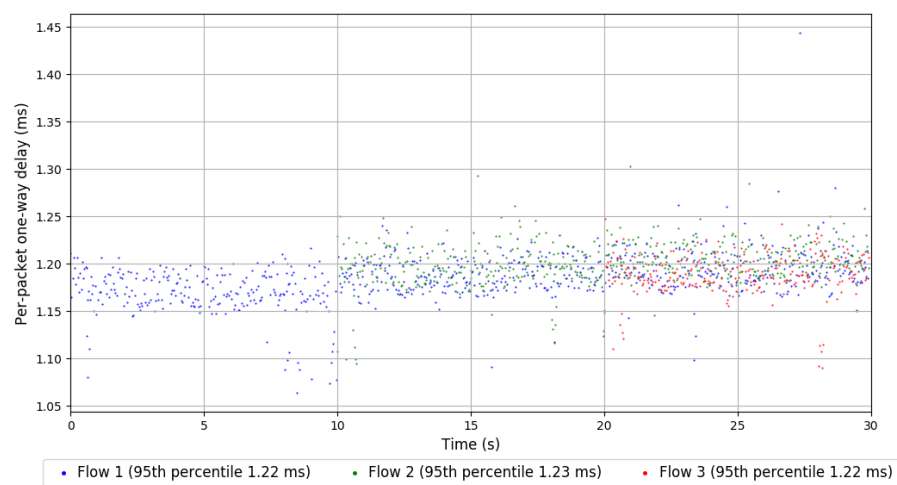
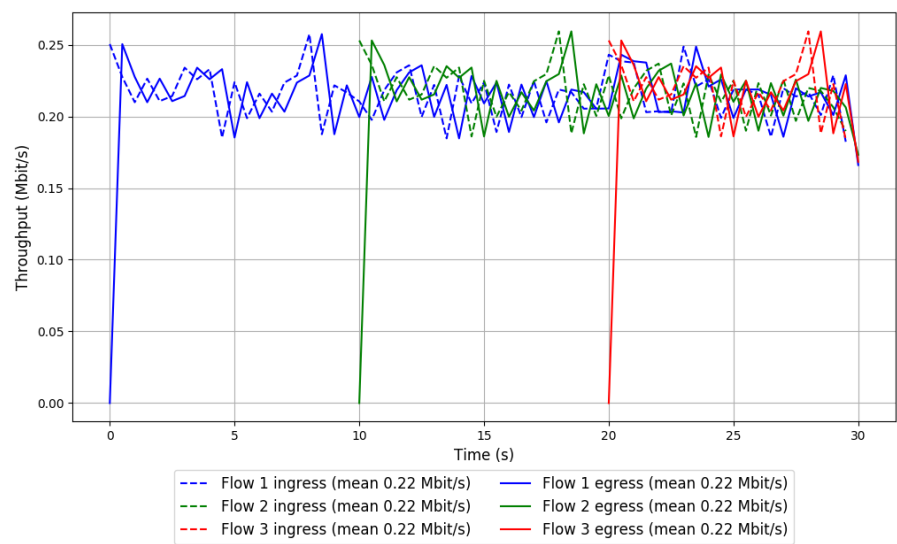
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

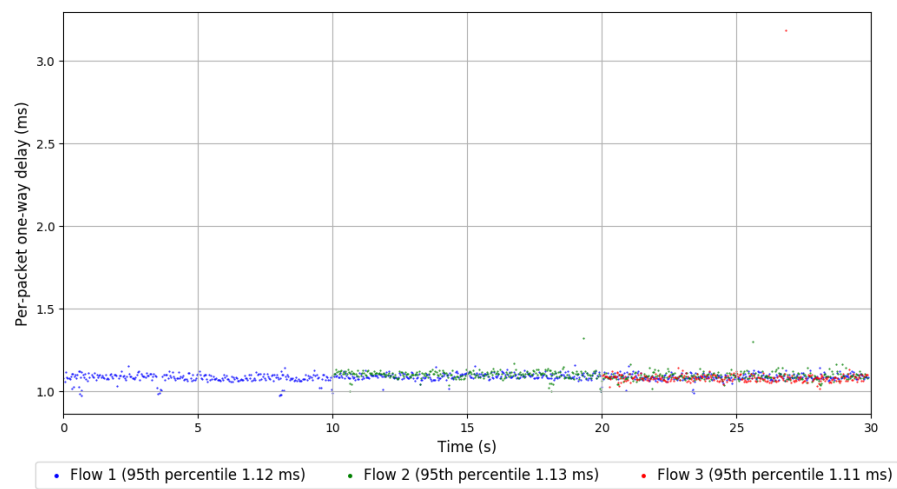
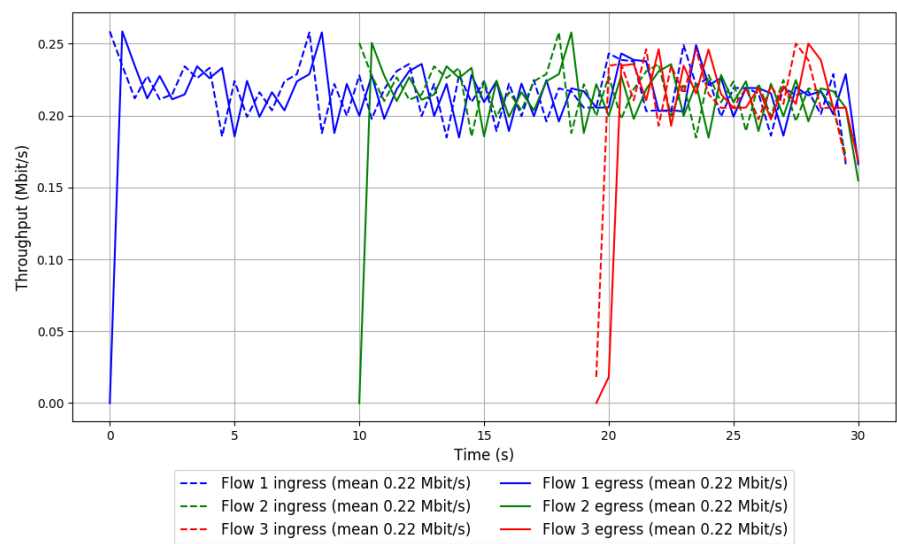


Run 9: Statistics of SReAM

Start at: 2018-08-10 05:12:50
End at: 2018-08-10 05:13:20
Local clock offset: -0.968 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-10 05:39:42

End at: 2018-08-10 05:40:12

Local clock offset: -1.266 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.19%

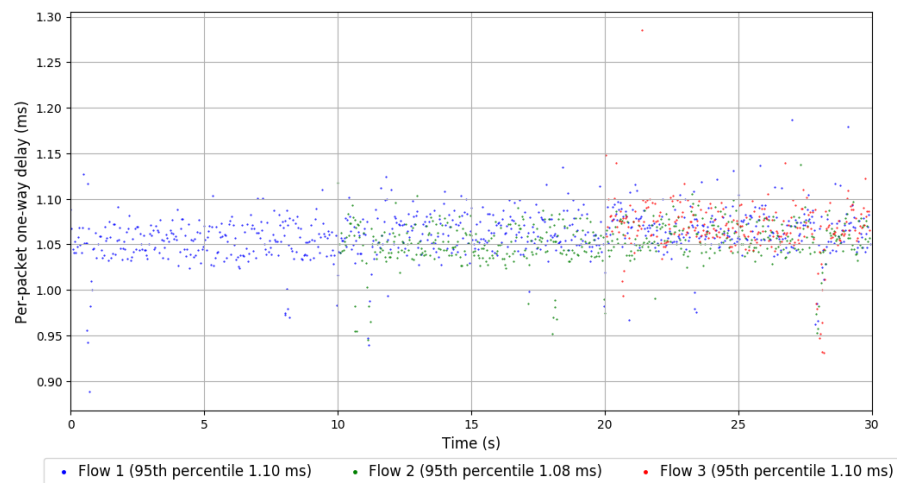
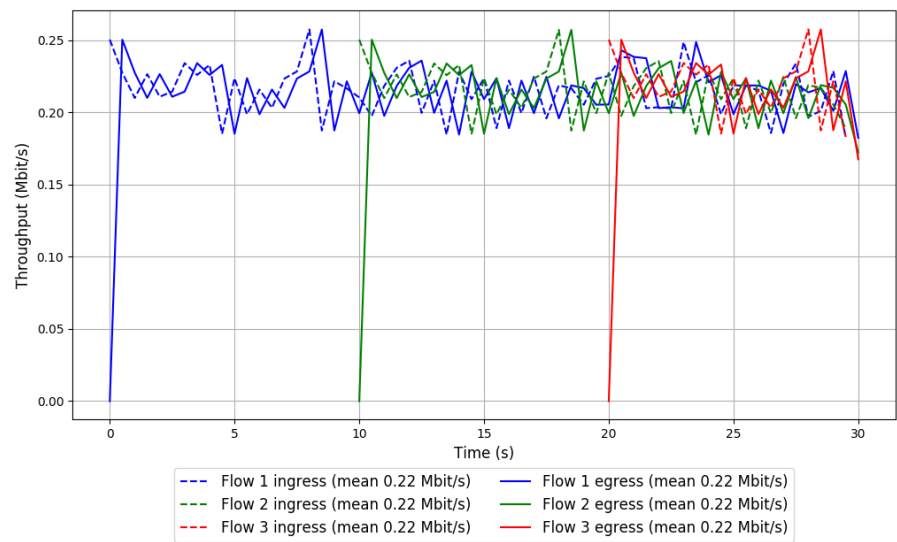
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.36%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-10 01:40:58

End at: 2018-08-10 01:41:28

Local clock offset: 0.204 ms

Remote clock offset: 0.433 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.28 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 20.71 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.68 Mbit/s

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

Loss rate: 0.22%

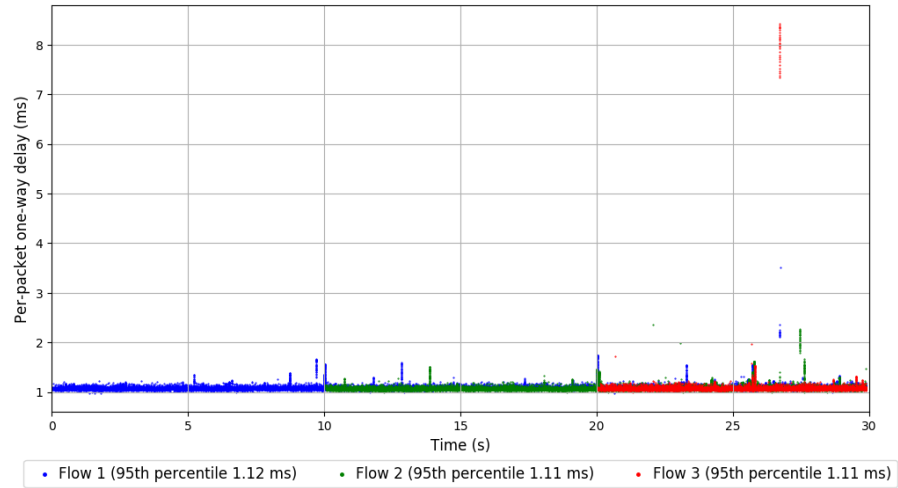
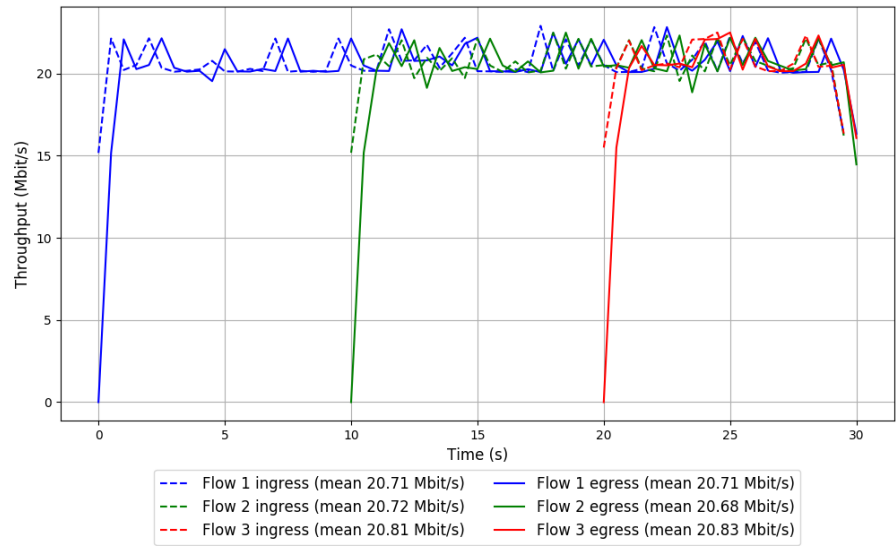
-- Flow 3:

Average throughput: 20.83 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

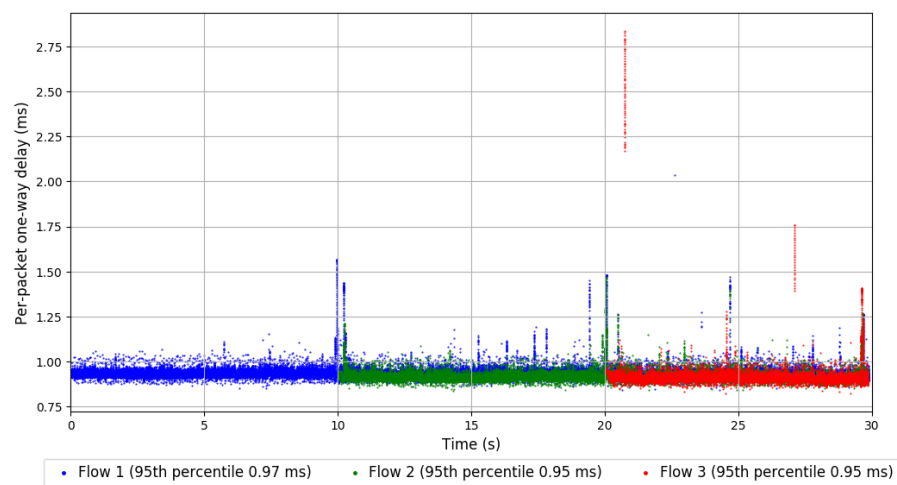
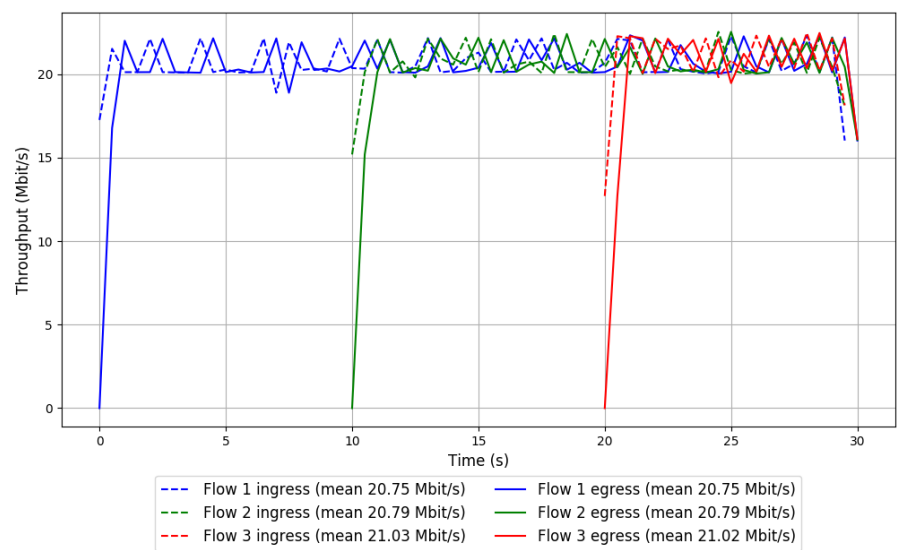


Run 2: Statistics of Sprout

Start at: 2018-08-10 02:07:54
End at: 2018-08-10 02:08:24
Local clock offset: -0.324 ms
Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.49%

Run 2: Report of Sprout — Data Link

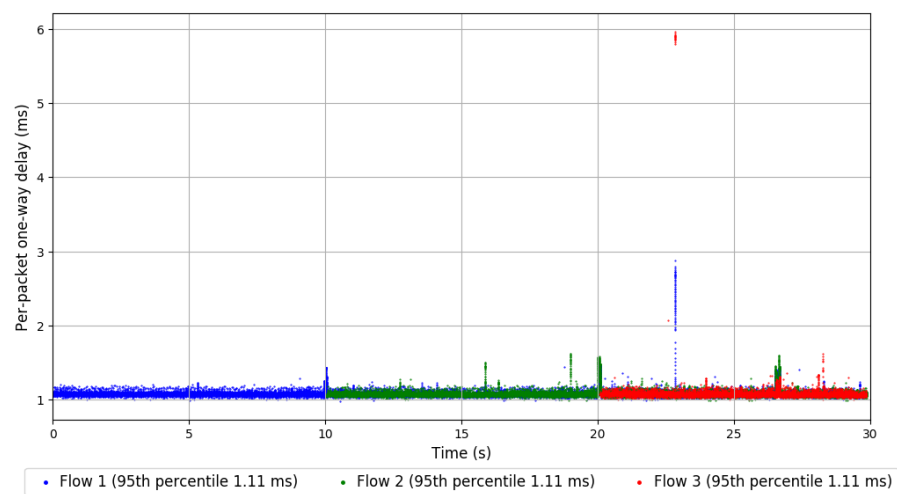
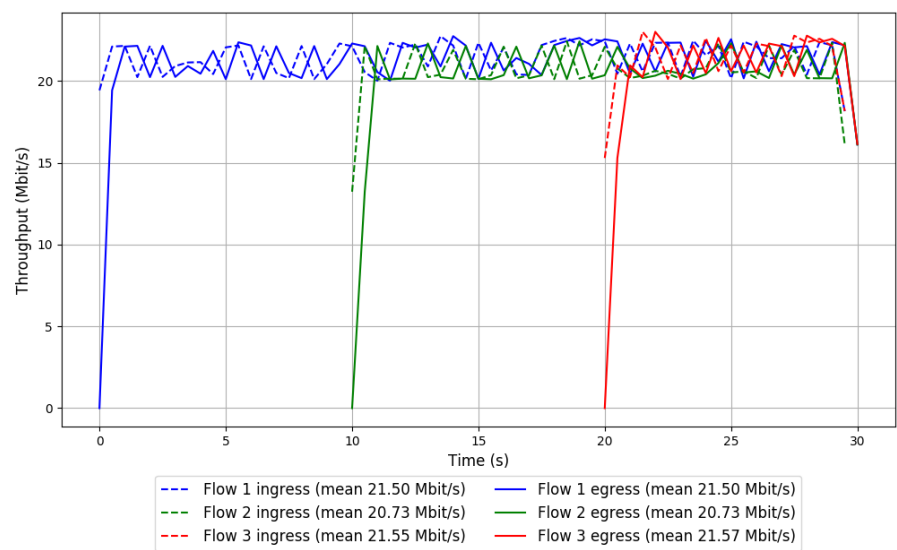


Run 3: Statistics of Sprout

Start at: 2018-08-10 02:34:57
End at: 2018-08-10 02:35:27
Local clock offset: -0.328 ms
Remote clock offset: 0.015 ms

```
# Below is generated by plot.py at 2018-08-10 07:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.48%
```


Run 3: Report of Sprout — Data Link

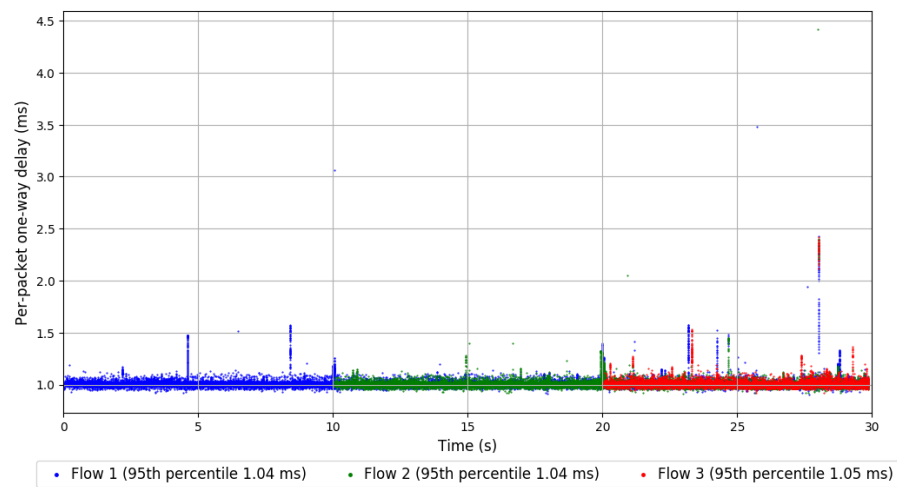
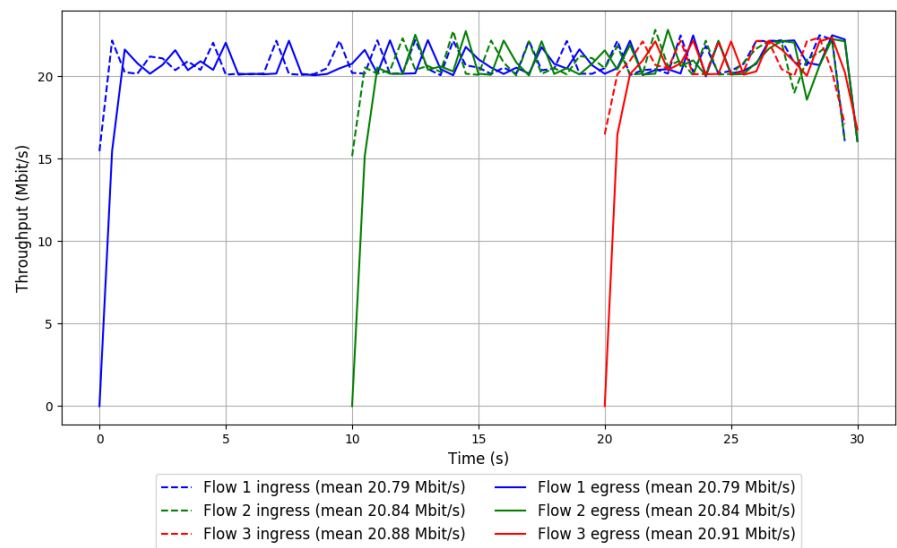


Run 4: Statistics of Sprout

Start at: 2018-08-10 03:01:55
End at: 2018-08-10 03:02:25
Local clock offset: -0.445 ms
Remote clock offset: -0.02 ms

```
# Below is generated by plot.py at 2018-08-10 07:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.08%
```

Run 4: Report of Sprout — Data Link

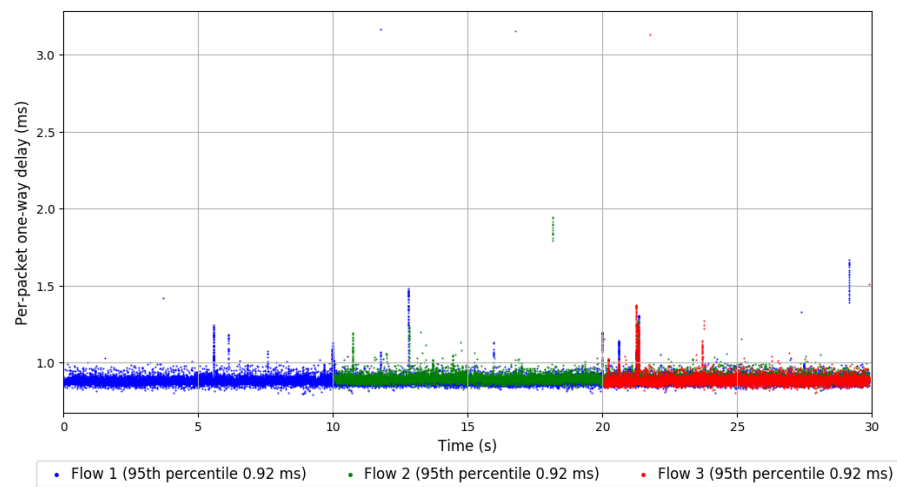
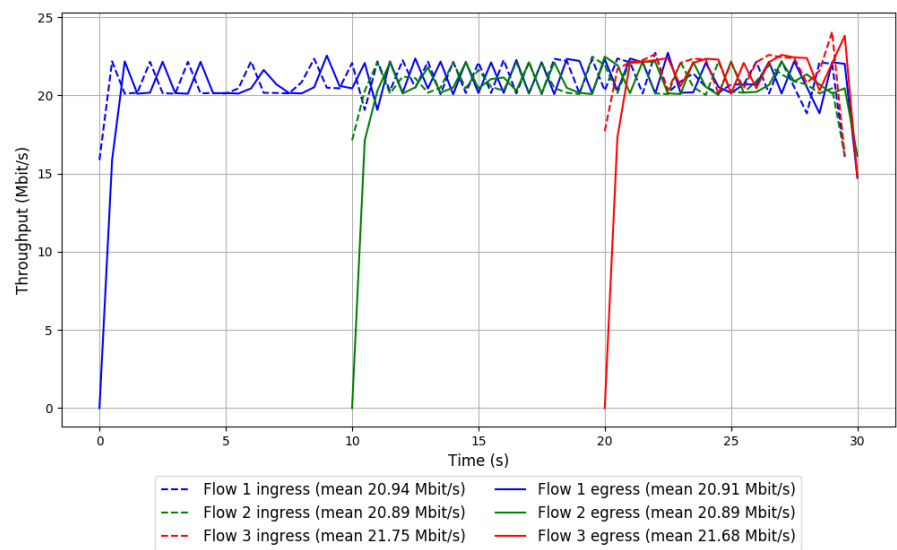


Run 5: Statistics of Sprout

Start at: 2018-08-10 03:29:02
End at: 2018-08-10 03:29:32
Local clock offset: -0.349 ms
Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 0.916 ms
Loss rate: 0.36%

Run 5: Report of Sprout — Data Link

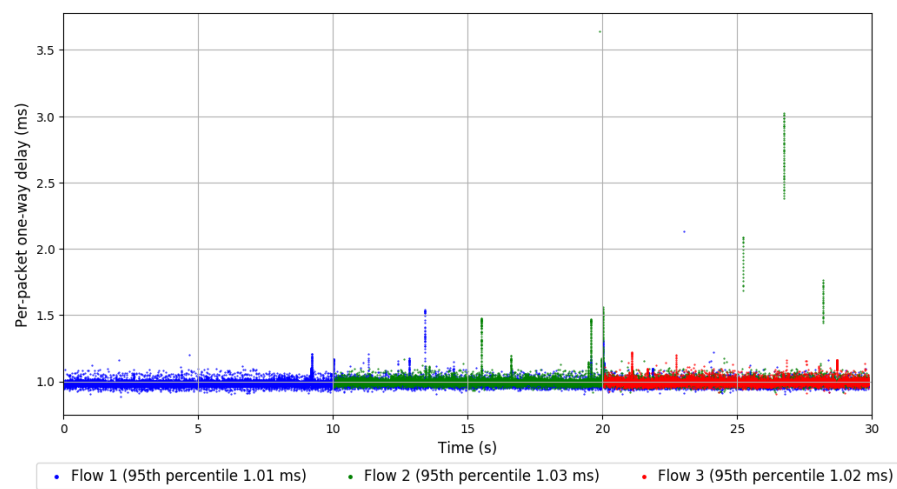
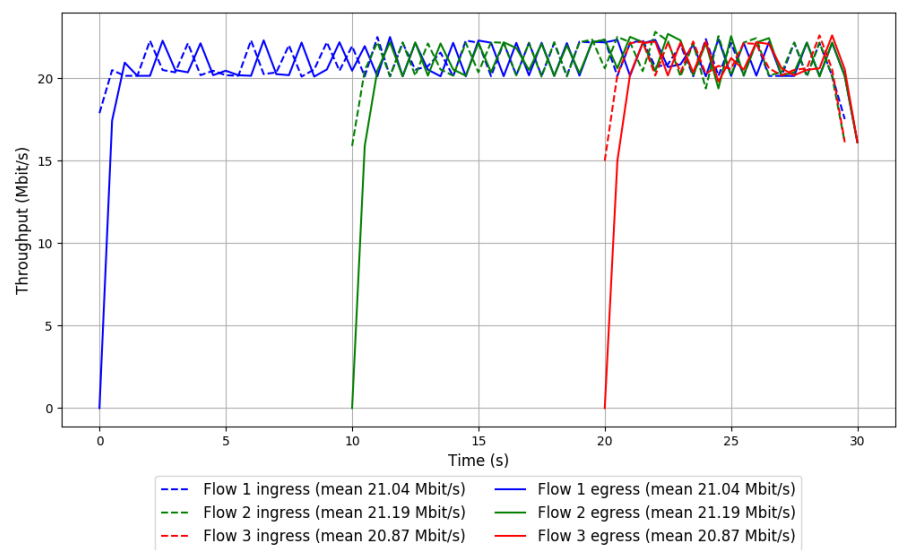


Run 6: Statistics of Sprout

Start at: 2018-08-10 03:56:04
End at: 2018-08-10 03:56:34
Local clock offset: -0.281 ms
Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-10 04:23:06

End at: 2018-08-10 04:23:36

Local clock offset: -0.217 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-10 07:50:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.11 Mbit/s

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

Loss rate: 0.16%

-- Flow 1:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.24 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.24%

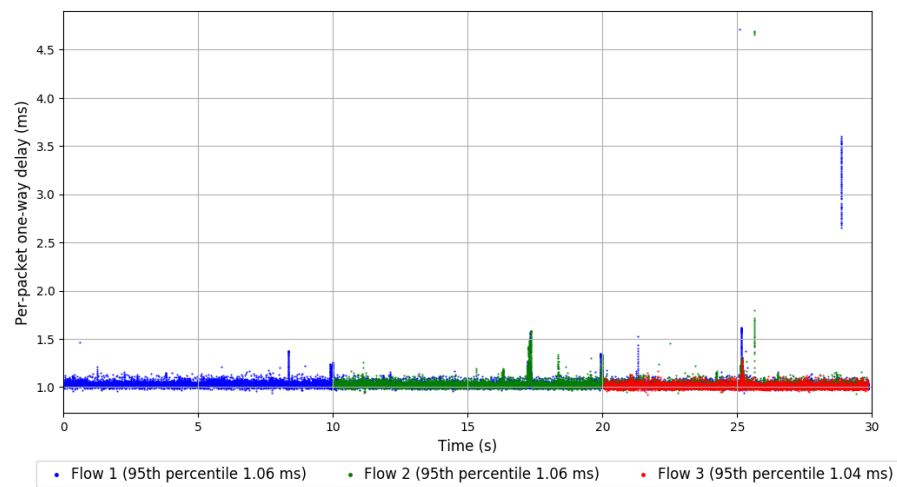
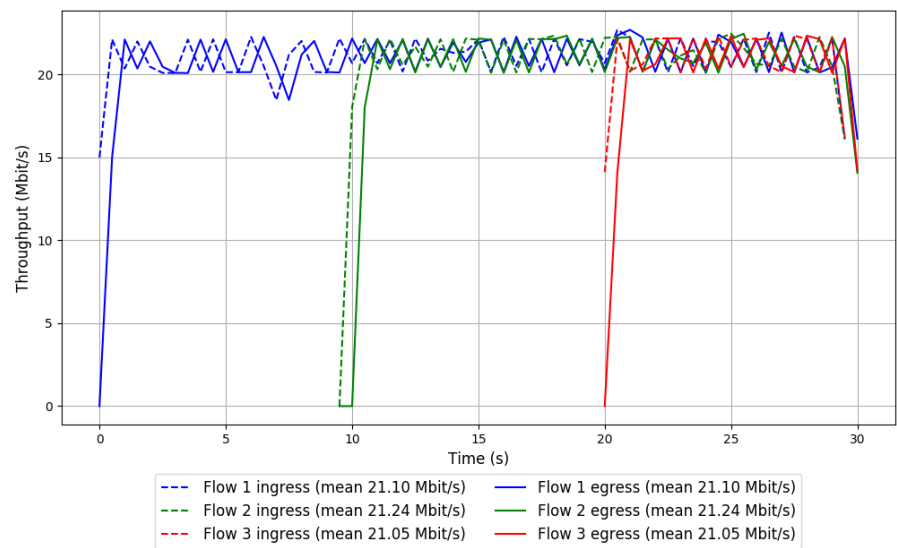
-- Flow 3:

Average throughput: 21.05 Mbit/s

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

Loss rate: 0.49%

Run 7: Report of Sprout — Data Link

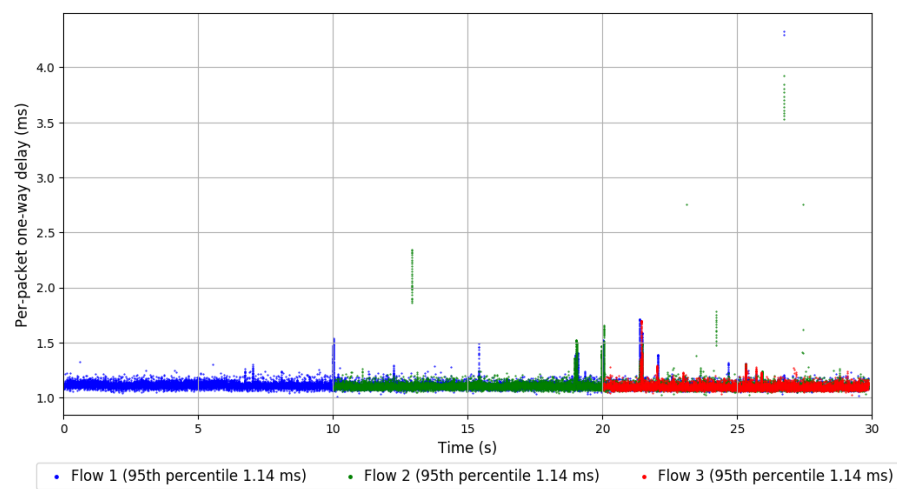
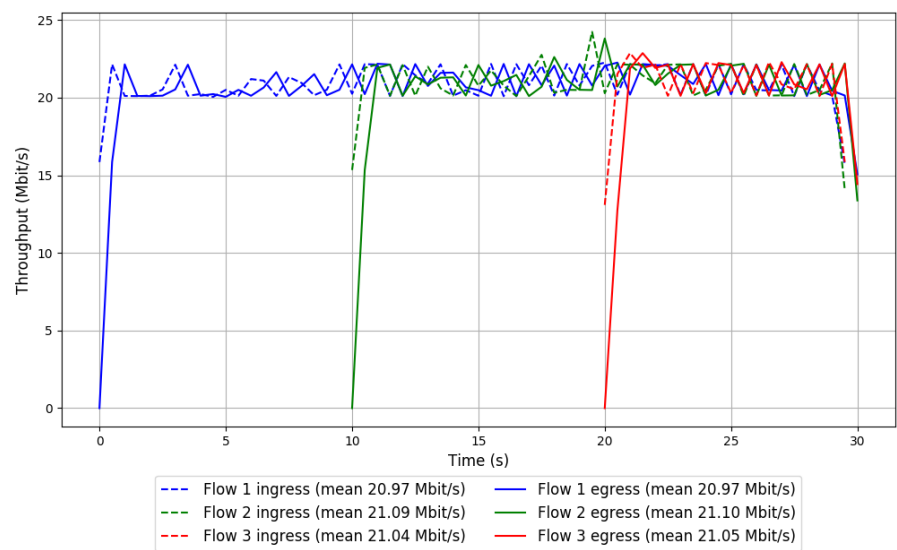


Run 8: Statistics of Sprout

Start at: 2018-08-10 04:50:04
End at: 2018-08-10 04:50:34
Local clock offset: -0.454 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.34%

Run 8: Report of Sprout — Data Link

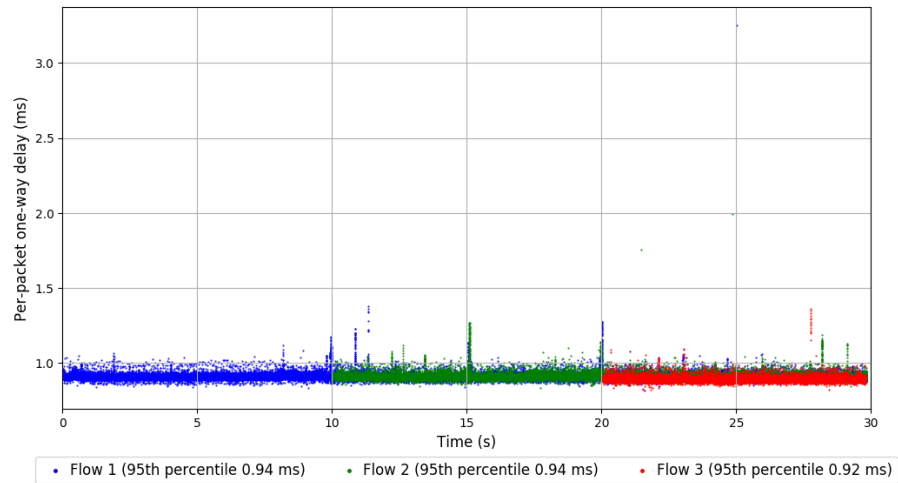
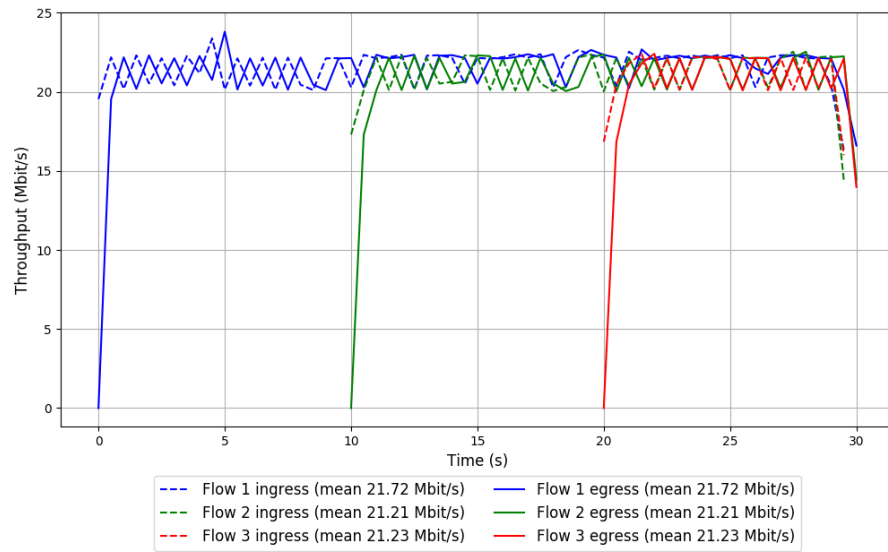


Run 9: Statistics of Sprout

Start at: 2018-08-10 05:17:08
End at: 2018-08-10 05:17:38
Local clock offset: -1.022 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 0.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.48%

Run 9: Report of Sprout — Data Link

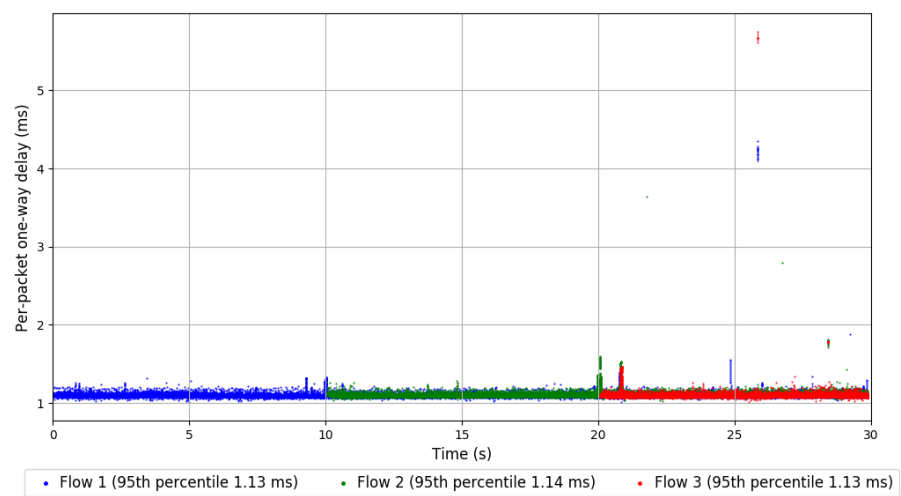
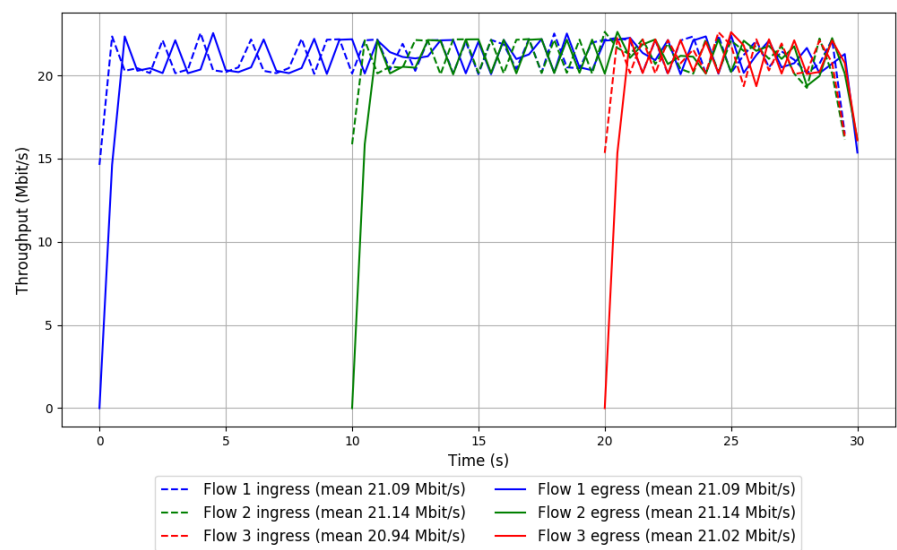


Run 10: Statistics of Sprout

Start at: 2018-08-10 05:44:03
End at: 2018-08-10 05:44:33
Local clock offset: -1.241 ms
Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-10 07:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.07%

Run 10: Report of Sprout — Data Link

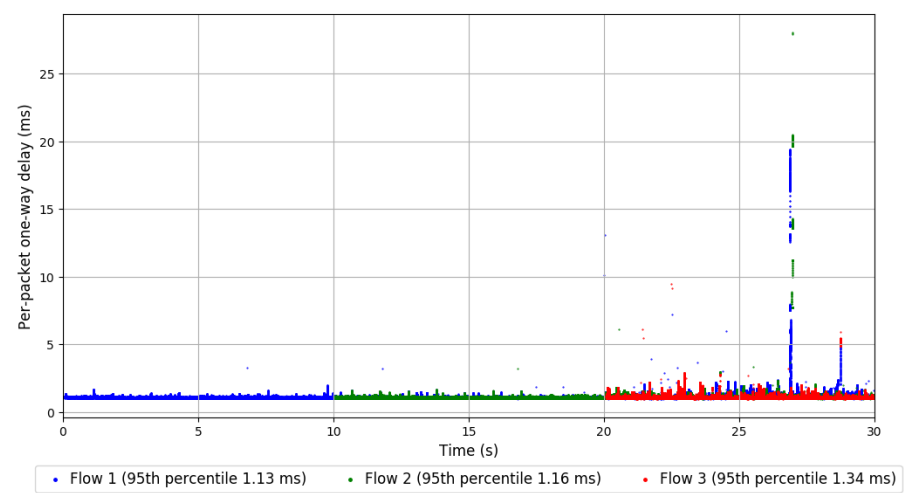
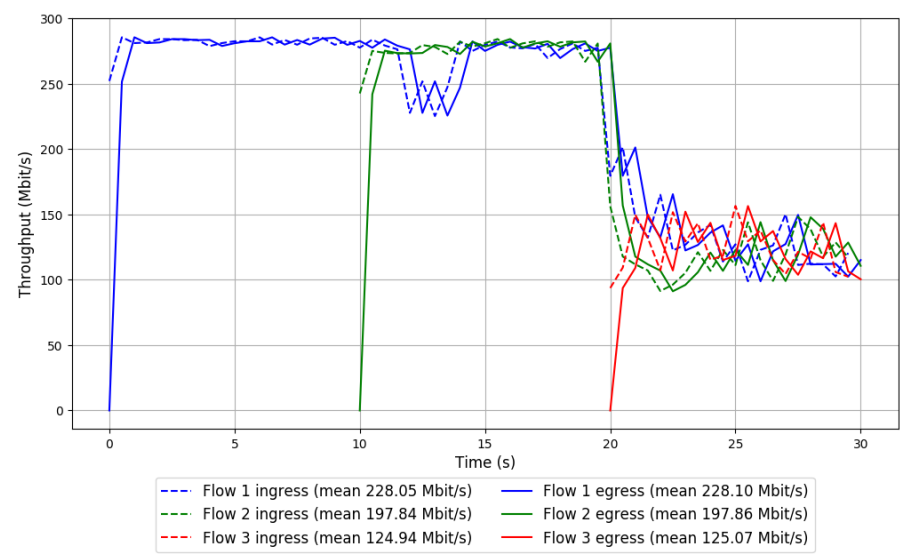


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 01:20:18
End at: 2018-08-10 01:20:48
Local clock offset: 0.101 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-08-10 07:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.20 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 228.10 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 197.86 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 125.07 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.08%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 01:47:17

End at: 2018-08-10 01:47:47

Local clock offset: 0.043 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2018-08-10 07:57:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.29 Mbit/s

95th percentile per-packet one-way delay: 0.971 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 214.29 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 190.80 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.05%

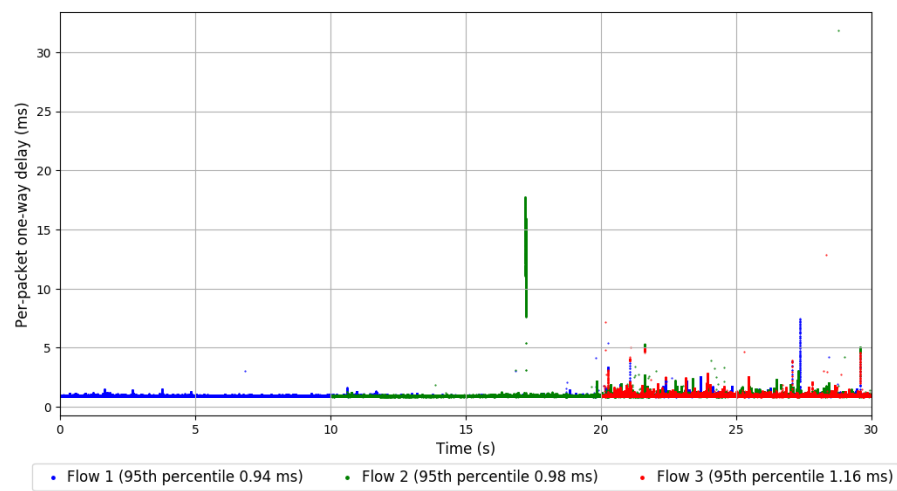
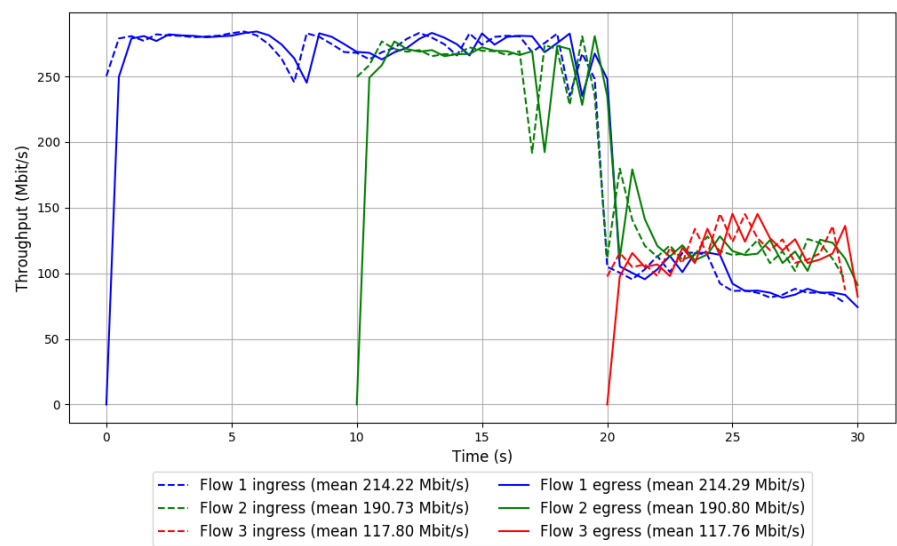
-- Flow 3:

Average throughput: 117.76 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.22%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 02:14:17

End at: 2018-08-10 02:14:47

Local clock offset: -0.295 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-08-10 07:57:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.28 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 216.42 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 196.58 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.01%

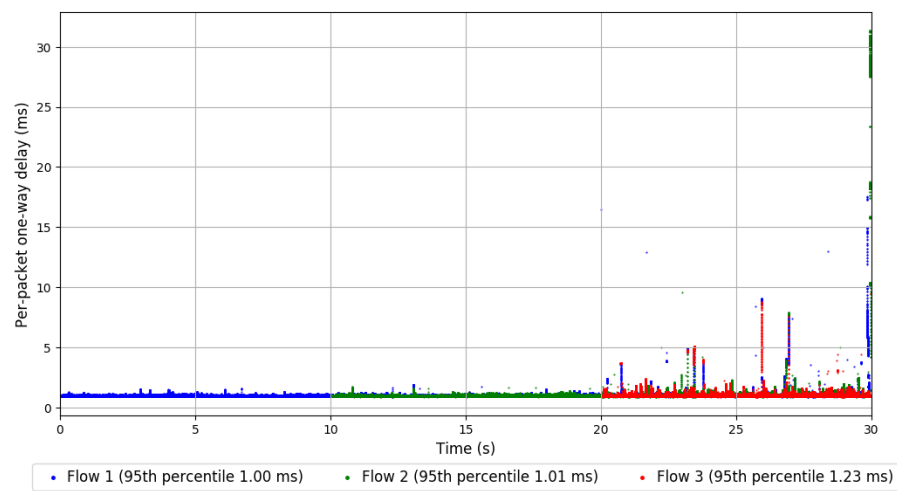
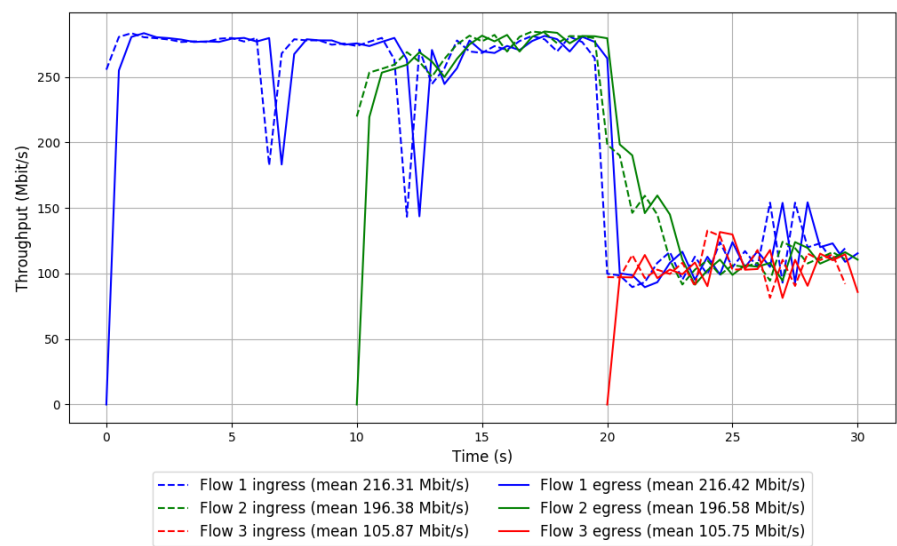
-- Flow 3:

Average throughput: 105.75 Mbit/s

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

Loss rate: 0.30%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 02:41:17

End at: 2018-08-10 02:41:47

Local clock offset: -0.465 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-10 07:57:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.08 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 214.90 Mbit/s

95th percentile per-packet one-way delay: 0.900 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 194.93 Mbit/s

95th percentile per-packet one-way delay: 0.907 ms

Loss rate: 0.08%

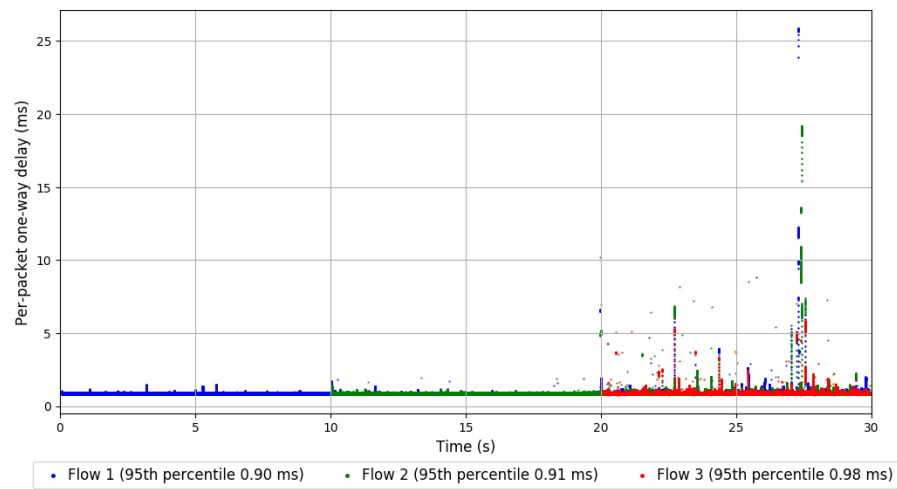
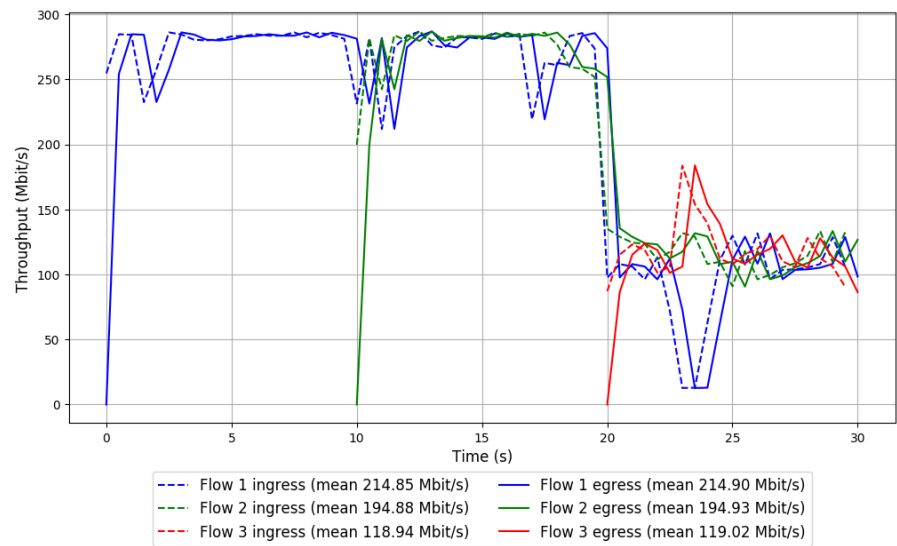
-- Flow 3:

Average throughput: 119.02 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.18%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 03:08:19

End at: 2018-08-10 03:08:49

Local clock offset: -0.394 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-10 07:57:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.97 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 225.39 Mbit/s

95th percentile per-packet one-way delay: 0.974 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 190.51 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.08%

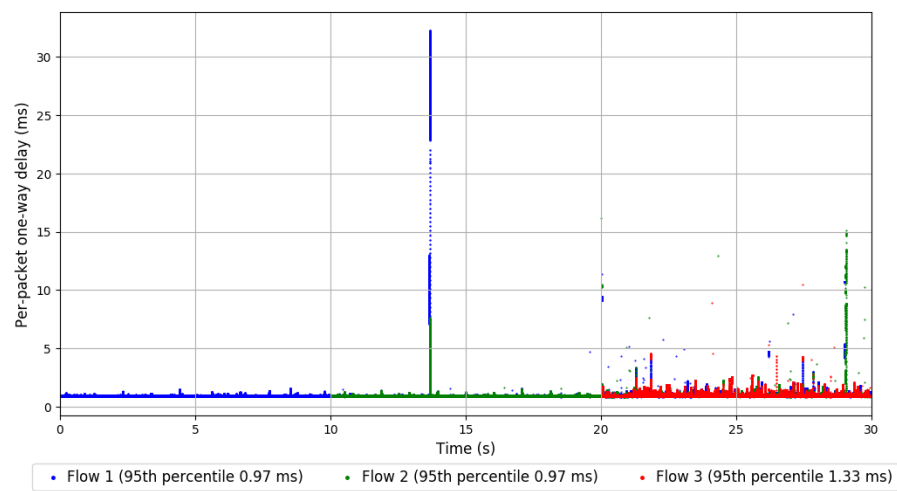
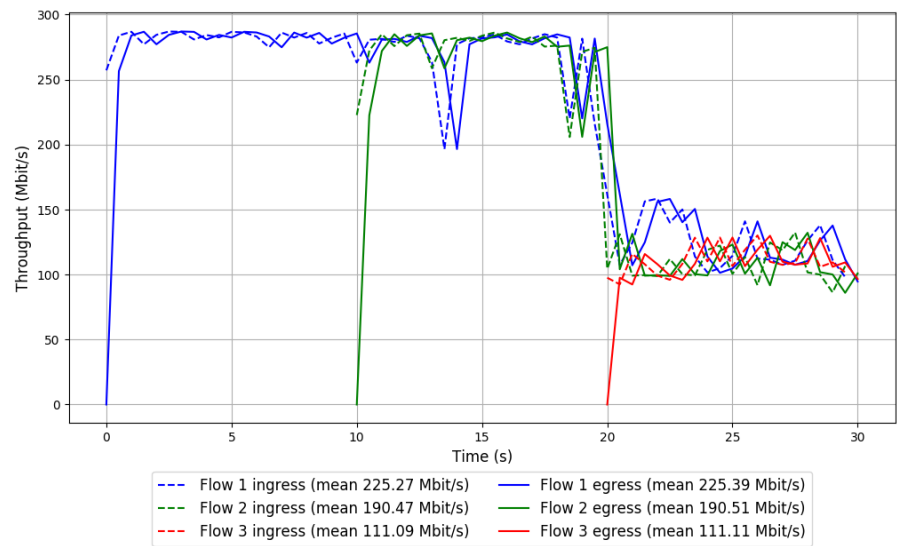
-- Flow 3:

Average throughput: 111.11 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.23%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 03:35:26

End at: 2018-08-10 03:35:56

Local clock offset: -0.249 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-08-10 07:57:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.35 Mbit/s

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

Loss rate: 0.10%

-- Flow 1:

Average throughput: 216.31 Mbit/s

95th percentile per-packet one-way delay: 0.988 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 182.51 Mbit/s

95th percentile per-packet one-way delay: 0.988 ms

Loss rate: 0.05%

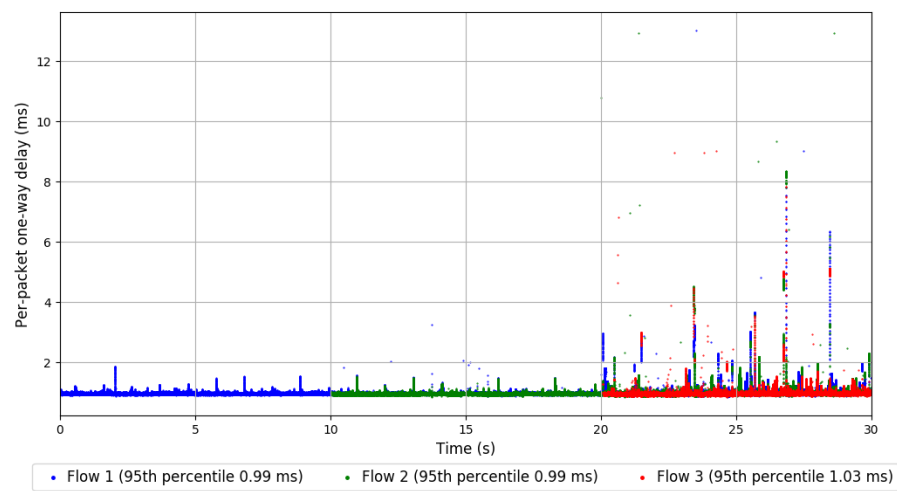
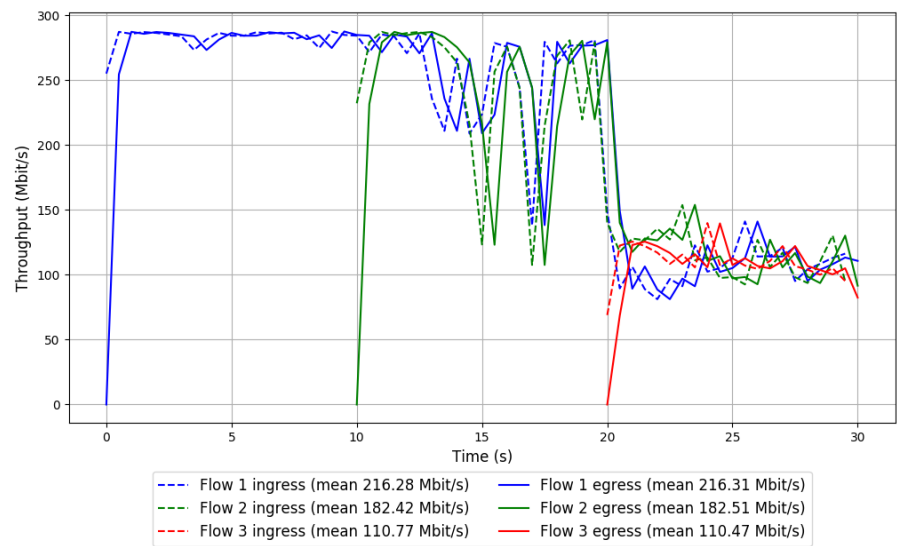
-- Flow 3:

Average throughput: 110.47 Mbit/s

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

Loss rate: 0.58%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 04:02:24

End at: 2018-08-10 04:02:54

Local clock offset: -0.279 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-08-10 07:57:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.66 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 219.06 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 202.57 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.05%

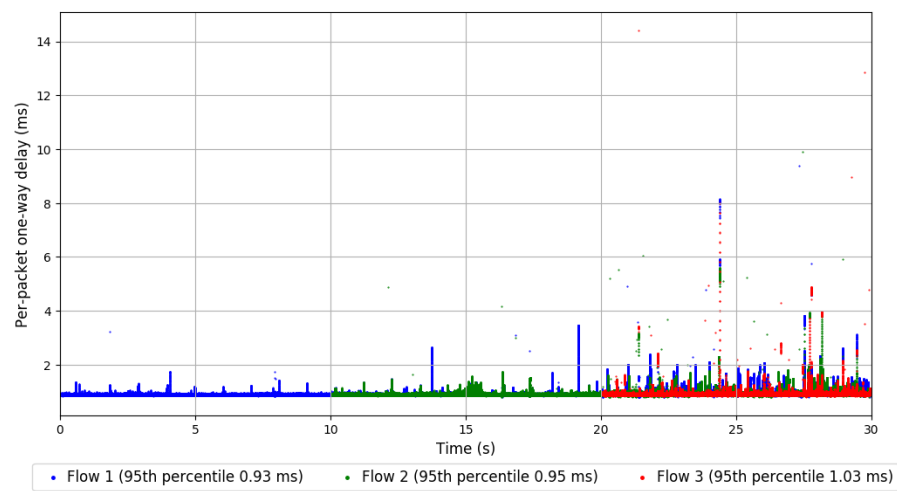
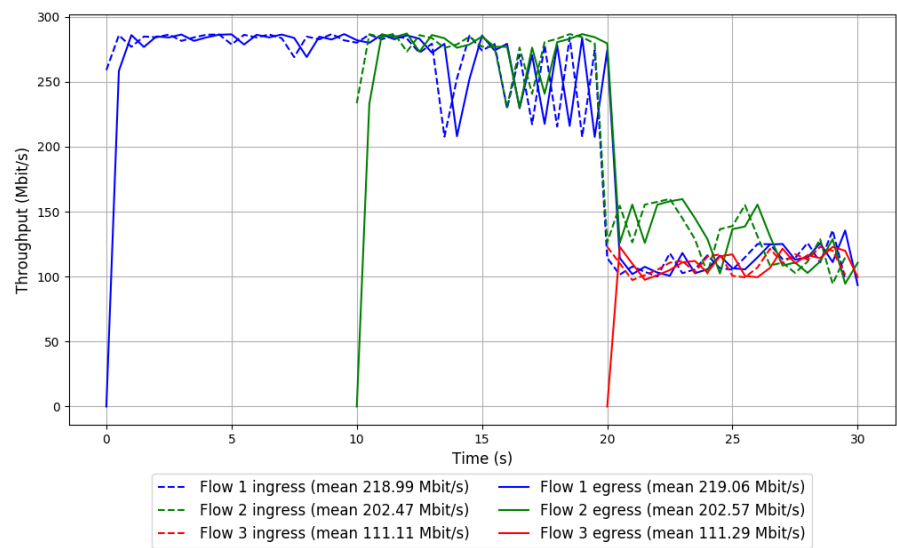
-- Flow 3:

Average throughput: 111.29 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 04:29:28

End at: 2018-08-10 04:29:58

Local clock offset: -0.286 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-08-10 07:59:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.80 Mbit/s

95th percentile per-packet one-way delay: 0.889 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 227.20 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 196.64 Mbit/s

95th percentile per-packet one-way delay: 0.887 ms

Loss rate: 0.04%

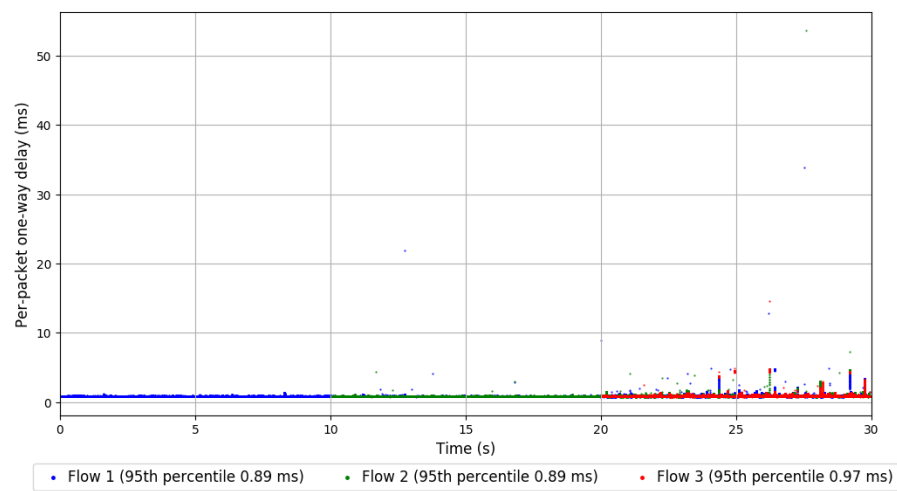
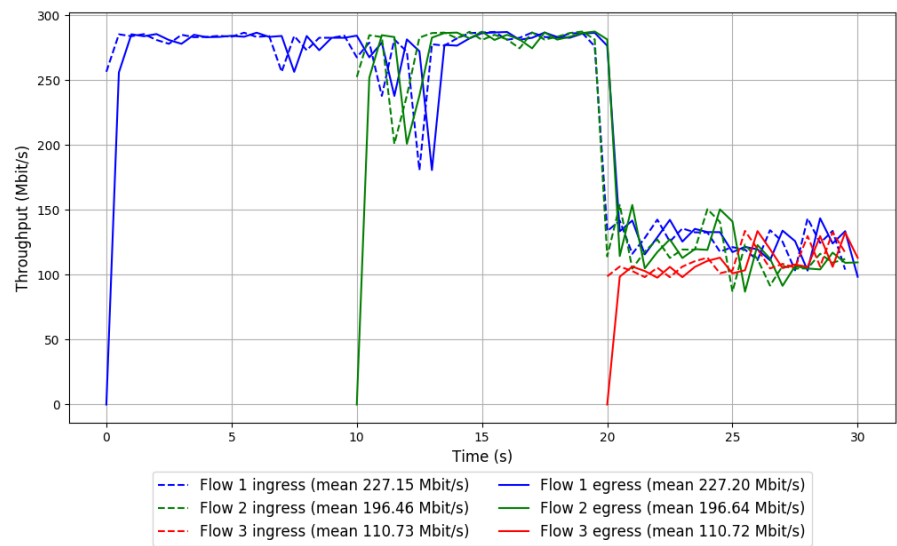
-- Flow 3:

Average throughput: 110.72 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.21%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 04:56:26

End at: 2018-08-10 04:56:56

Local clock offset: -0.722 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-10 08:04:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.99 Mbit/s

95th percentile per-packet one-way delay: 0.931 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 216.87 Mbit/s

95th percentile per-packet one-way delay: 0.908 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 190.72 Mbit/s

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

Loss rate: 0.14%

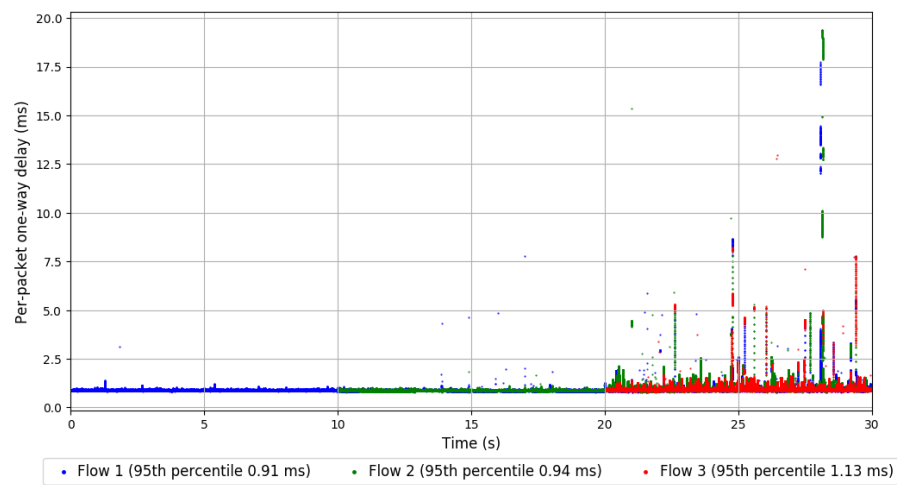
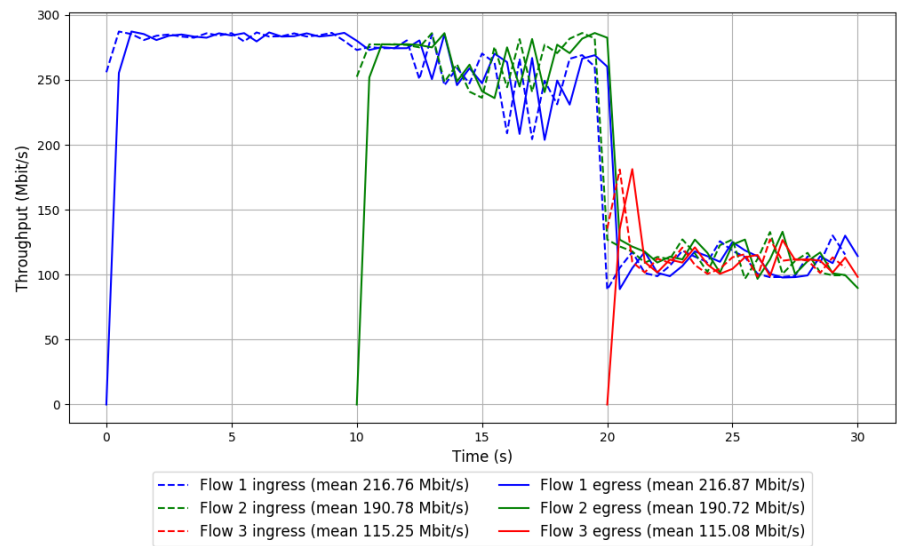
-- Flow 3:

Average throughput: 115.08 Mbit/s

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

Loss rate: 0.32%

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

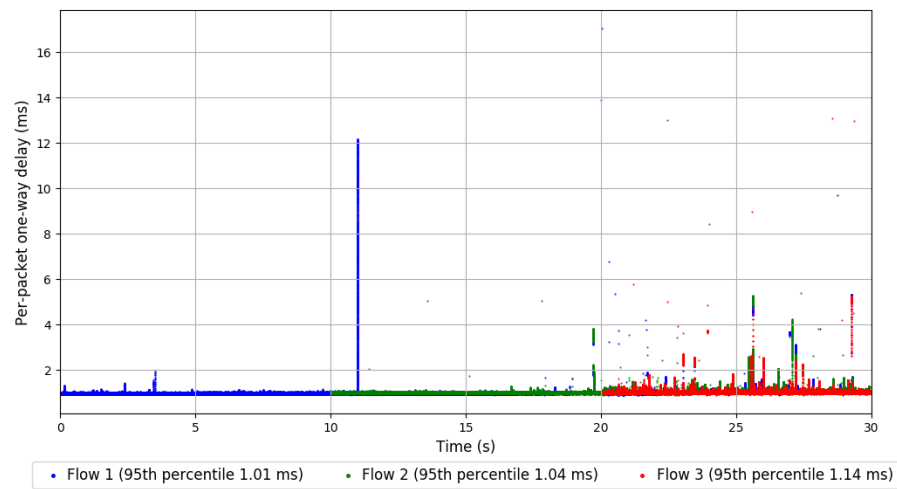
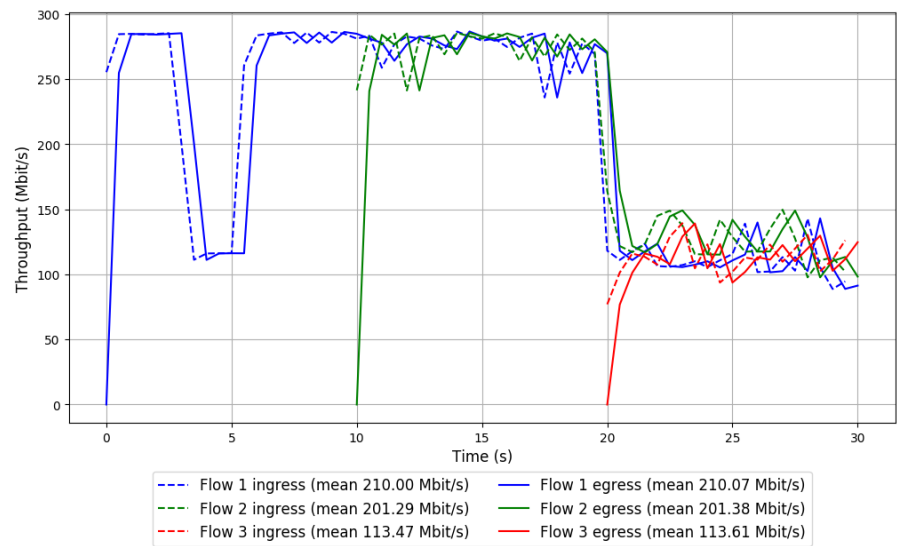


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 05:23:24
End at: 2018-08-10 05:23:54
Local clock offset: -1.004 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-10 08:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.67 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 210.07 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 201.38 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 113.61 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 01:42:18

End at: 2018-08-10 01:42:48

Local clock offset: 0.202 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-08-10 08:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 682.37 Mbit/s

95th percentile per-packet one-way delay: 2.114 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 278.67 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 514.53 Mbit/s

95th percentile per-packet one-way delay: 2.407 ms

Loss rate: 0.09%

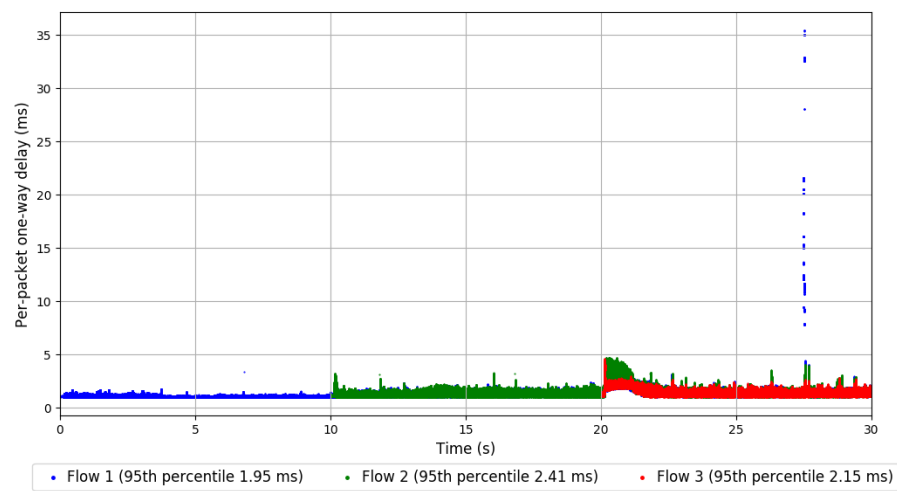
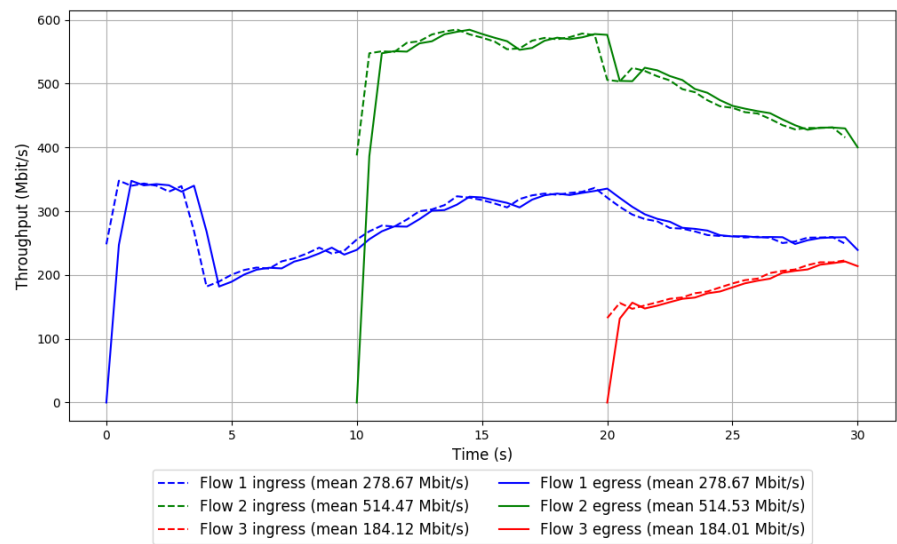
-- Flow 3:

Average throughput: 184.01 Mbit/s

95th percentile per-packet one-way delay: 2.152 ms

Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 02:09:14

End at: 2018-08-10 02:09:44

Local clock offset: -0.348 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-10 08:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 586.01 Mbit/s

95th percentile per-packet one-way delay: 1.463 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 291.42 Mbit/s

95th percentile per-packet one-way delay: 1.425 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 247.28 Mbit/s

95th percentile per-packet one-way delay: 1.413 ms

Loss rate: 0.03%

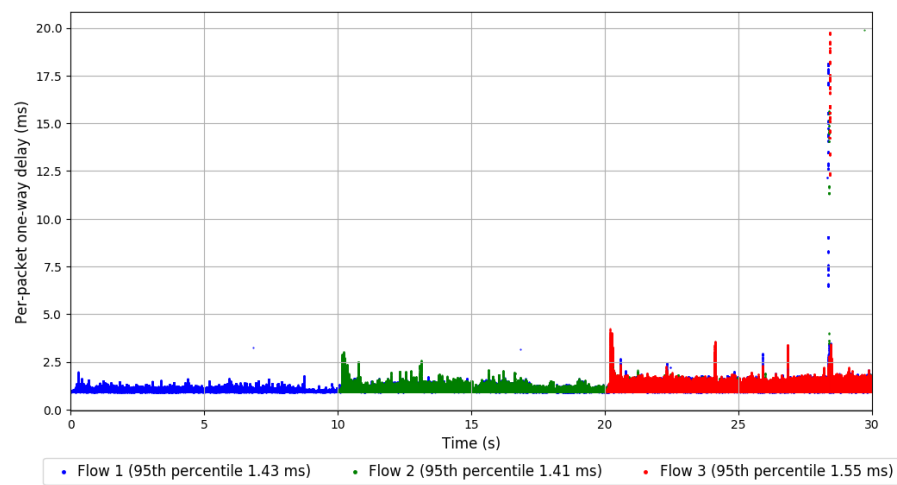
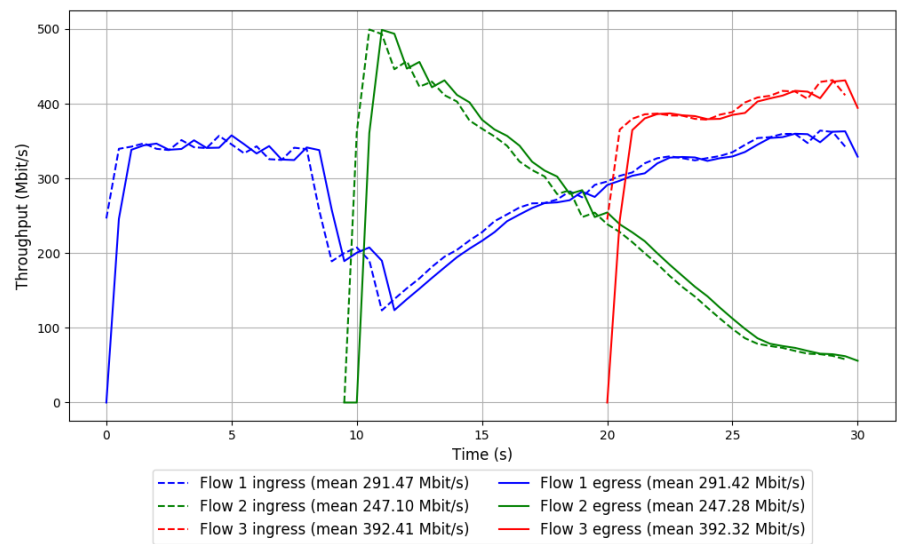
-- Flow 3:

Average throughput: 392.32 Mbit/s

95th percentile per-packet one-way delay: 1.546 ms

Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link

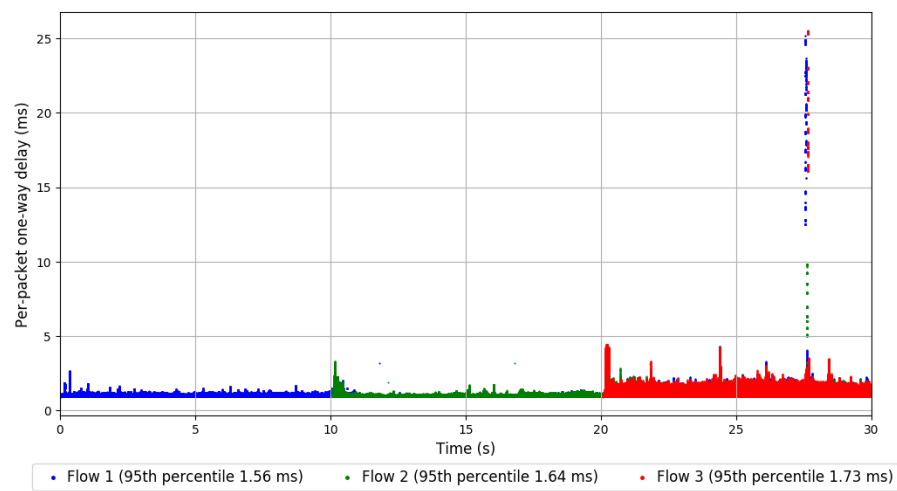
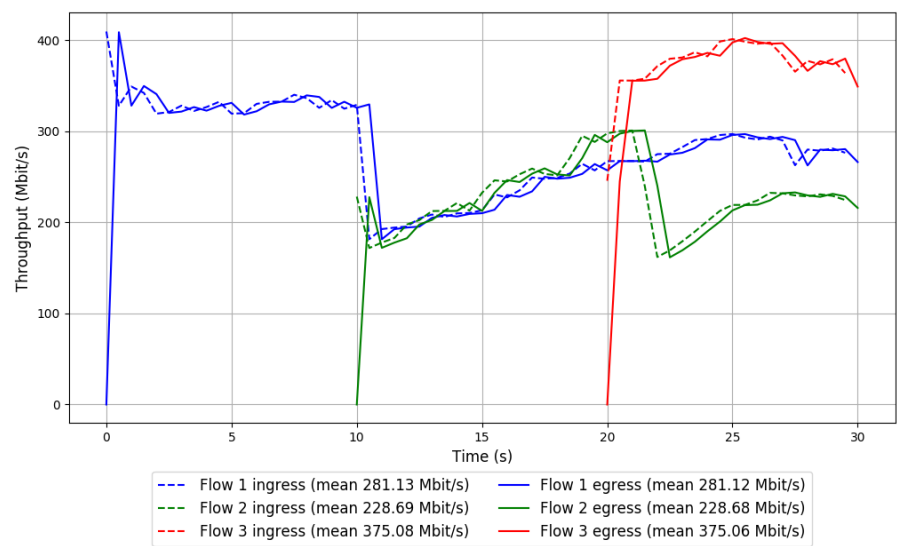


Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 02:36:17
End at: 2018-08-10 02:36:47
Local clock offset: -0.429 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-10 08:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 557.49 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 281.12 Mbit/s
95th percentile per-packet one-way delay: 1.559 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 228.68 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 375.06 Mbit/s
95th percentile per-packet one-way delay: 1.731 ms
Loss rate: 0.20%

Run 3: Report of TCP Vegas — Data Link

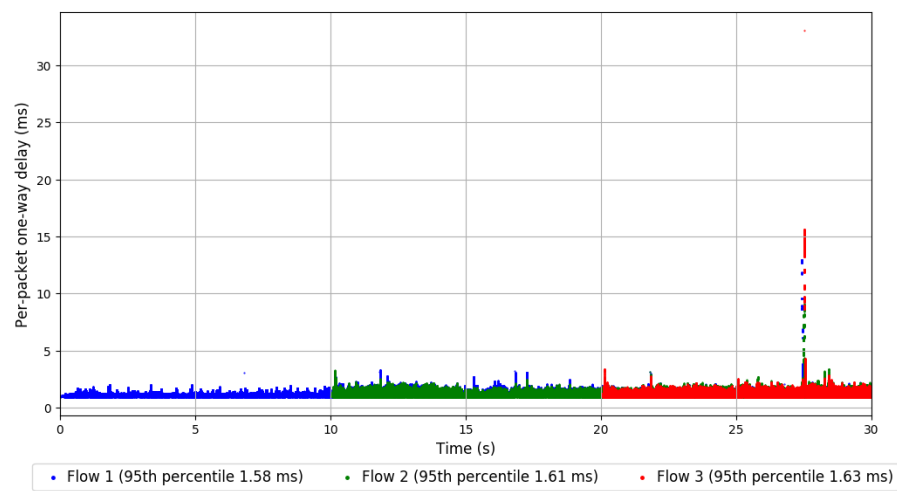
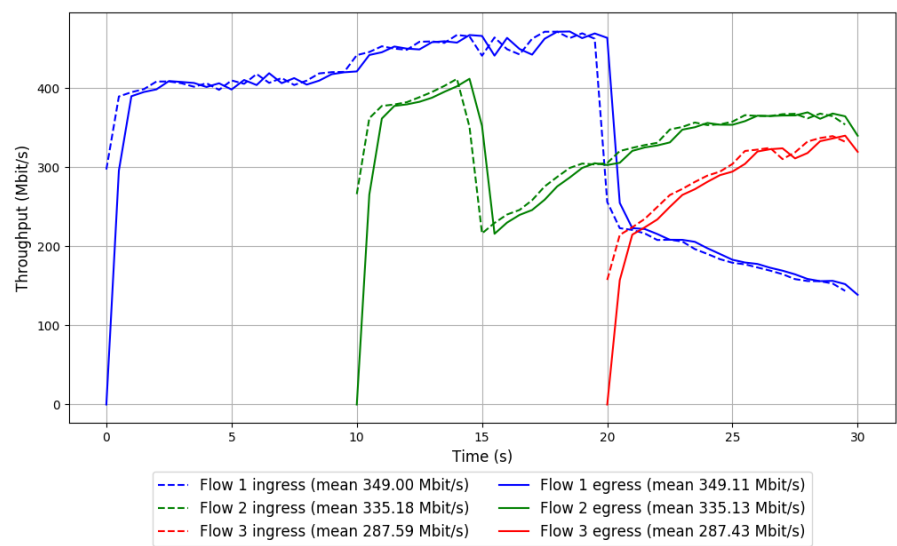


Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 03:03:15
End at: 2018-08-10 03:03:45
Local clock offset: -0.439 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-10 08:04:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 667.65 Mbit/s
95th percentile per-packet one-way delay: 1.602 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 349.11 Mbit/s
95th percentile per-packet one-way delay: 1.581 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 335.13 Mbit/s
95th percentile per-packet one-way delay: 1.615 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 287.43 Mbit/s
95th percentile per-packet one-way delay: 1.634 ms
Loss rate: 0.23%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 03:30:22

End at: 2018-08-10 03:30:52

Local clock offset: -0.262 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-10 08:04:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 672.50 Mbit/s

95th percentile per-packet one-way delay: 3.856 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 372.72 Mbit/s

95th percentile per-packet one-way delay: 4.063 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 303.31 Mbit/s

95th percentile per-packet one-way delay: 4.125 ms

Loss rate: 0.09%

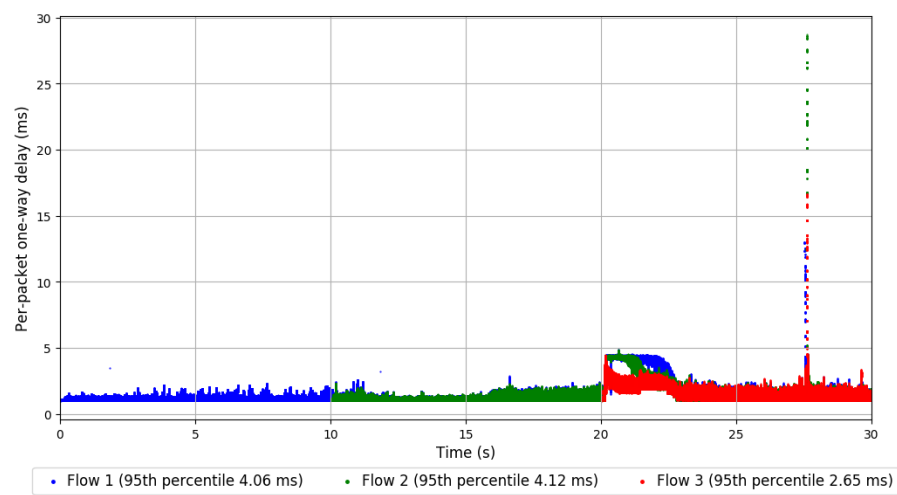
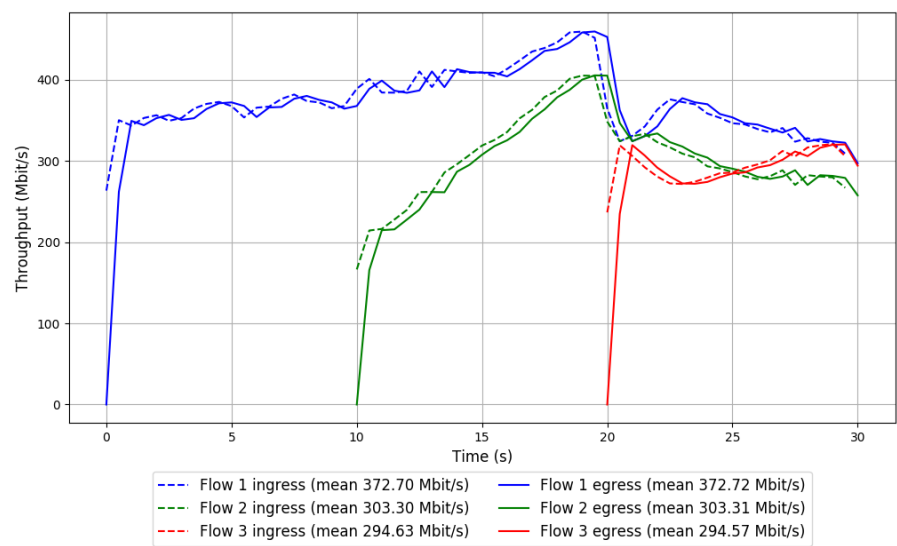
-- Flow 3:

Average throughput: 294.57 Mbit/s

95th percentile per-packet one-way delay: 2.652 ms

Loss rate: 0.22%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 03:57:24

End at: 2018-08-10 03:57:54

Local clock offset: -0.194 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-10 08:06:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 588.24 Mbit/s

95th percentile per-packet one-way delay: 1.949 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 293.23 Mbit/s

95th percentile per-packet one-way delay: 1.803 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 281.88 Mbit/s

95th percentile per-packet one-way delay: 1.942 ms

Loss rate: 0.10%

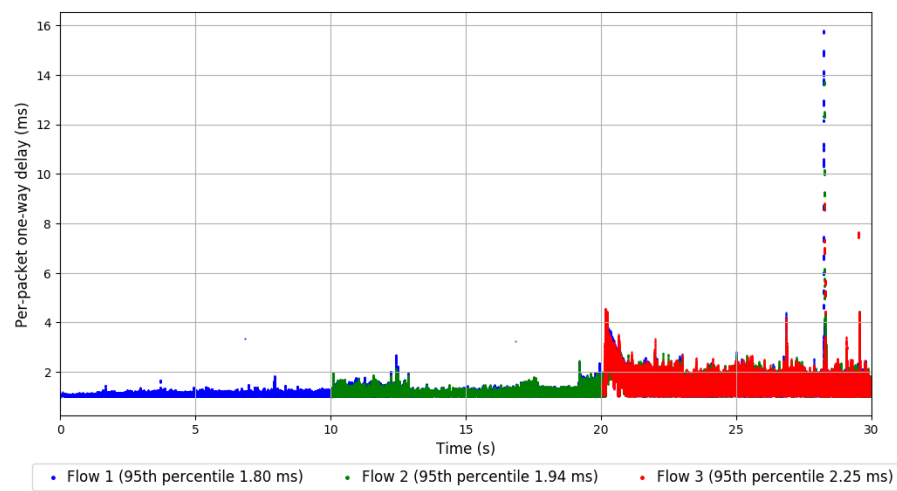
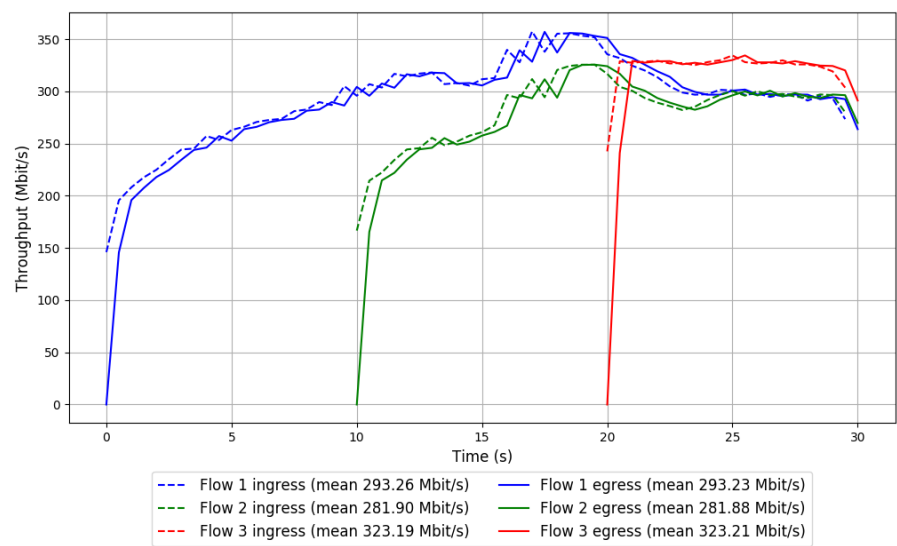
-- Flow 3:

Average throughput: 323.21 Mbit/s

95th percentile per-packet one-way delay: 2.251 ms

Loss rate: 0.19%

Run 6: Report of TCP Vegas — Data Link

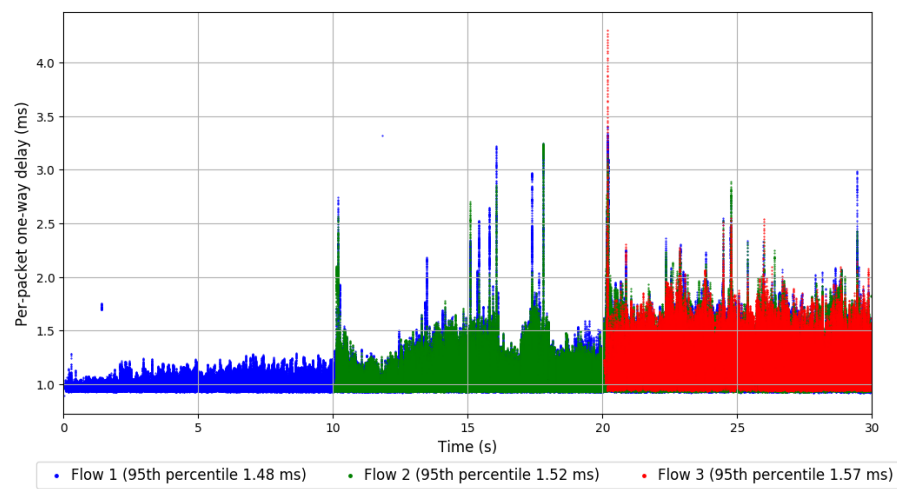
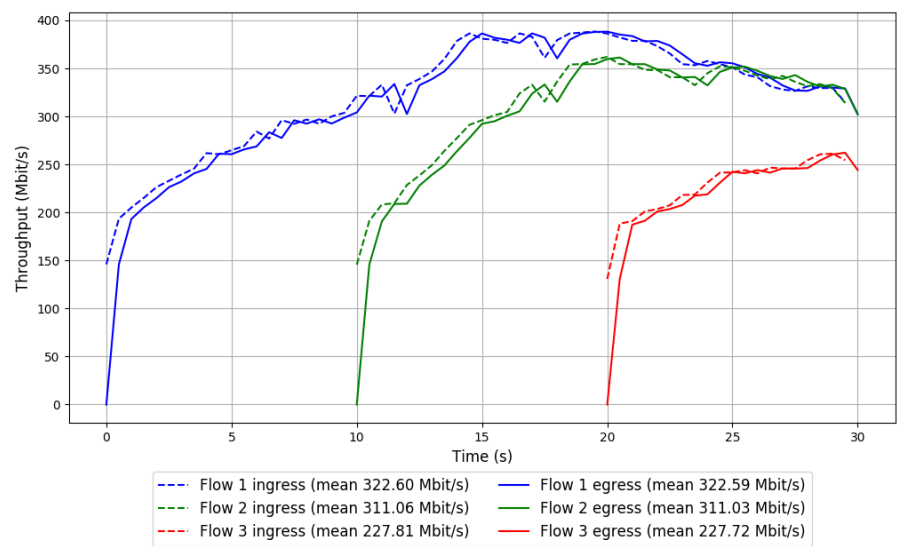


Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 04:24:26
End at: 2018-08-10 04:24:56
Local clock offset: -0.287 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-10 08:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.10 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 322.59 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 311.03 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 227.72 Mbit/s
95th percentile per-packet one-way delay: 1.572 ms
Loss rate: 0.23%

Run 7: Report of TCP Vegas — Data Link

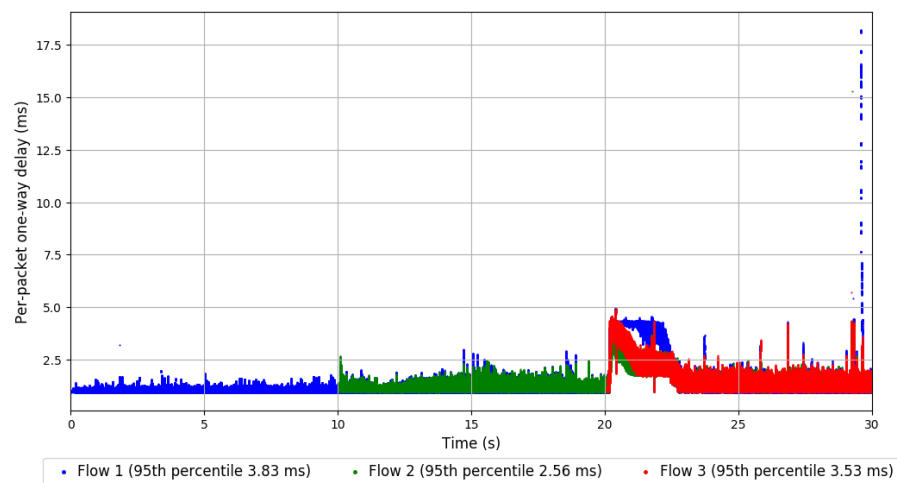
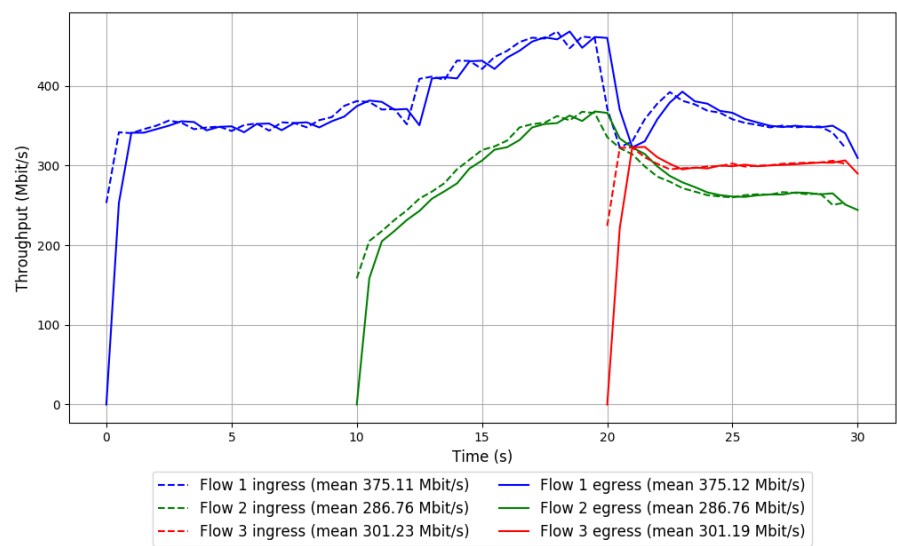


Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 04:51:24
End at: 2018-08-10 04:51:54
Local clock offset: -0.599 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-08-10 08:10:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 665.86 Mbit/s
95th percentile per-packet one-way delay: 3.220 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 375.12 Mbit/s
95th percentile per-packet one-way delay: 3.828 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 286.76 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 3.527 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

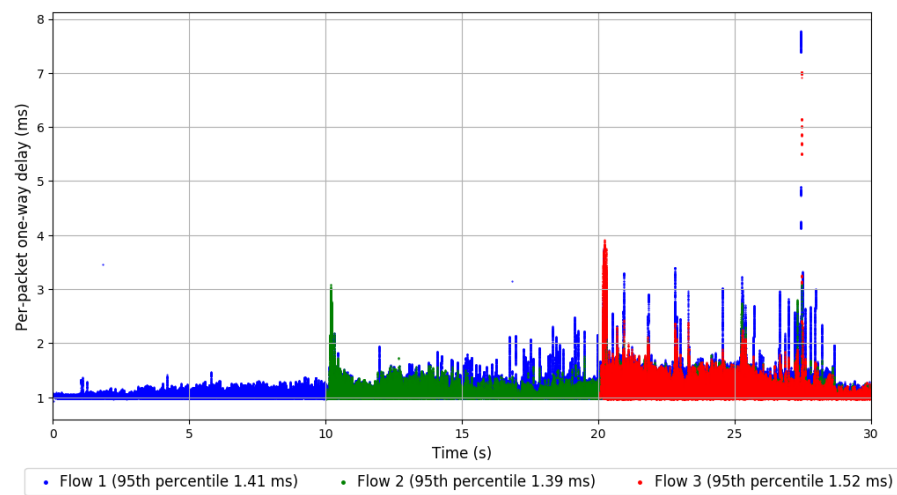
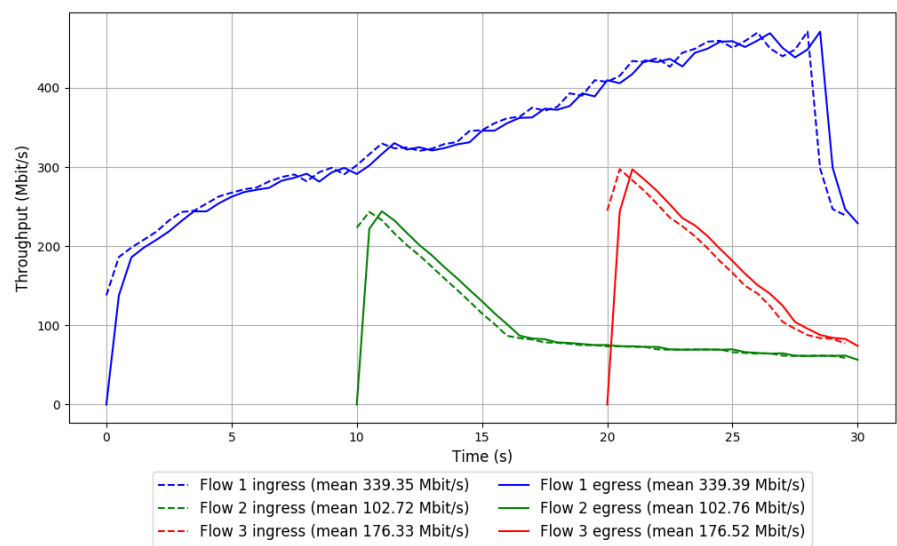


Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 05:18:28
End at: 2018-08-10 05:18:58
Local clock offset: -0.943 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-08-10 08:10:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.40 Mbit/s
95th percentile per-packet one-way delay: 1.425 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 339.39 Mbit/s
95th percentile per-packet one-way delay: 1.409 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 102.76 Mbit/s
95th percentile per-packet one-way delay: 1.390 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 176.52 Mbit/s
95th percentile per-packet one-way delay: 1.516 ms
Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 05:45:23

End at: 2018-08-10 05:45:53

Local clock offset: -1.348 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-10 08:11:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 628.48 Mbit/s

95th percentile per-packet one-way delay: 3.901 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 284.27 Mbit/s

95th percentile per-packet one-way delay: 3.026 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 372.43 Mbit/s

95th percentile per-packet one-way delay: 4.101 ms

Loss rate: 0.08%

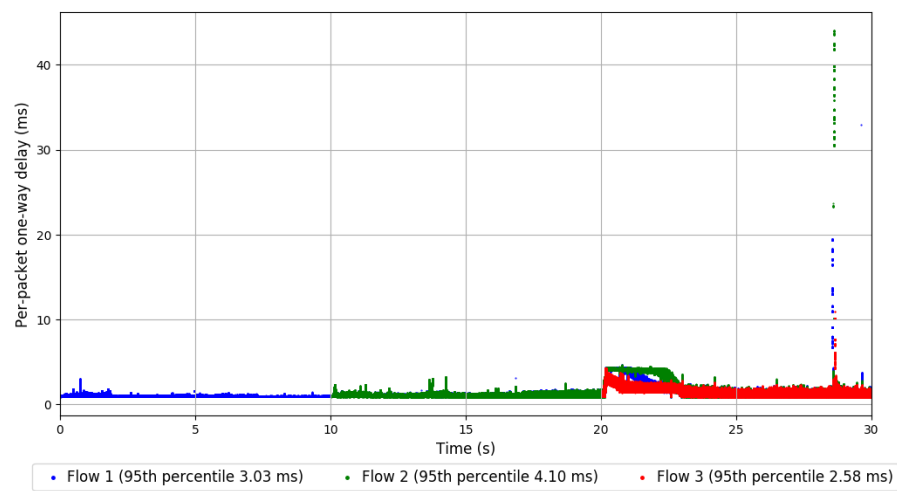
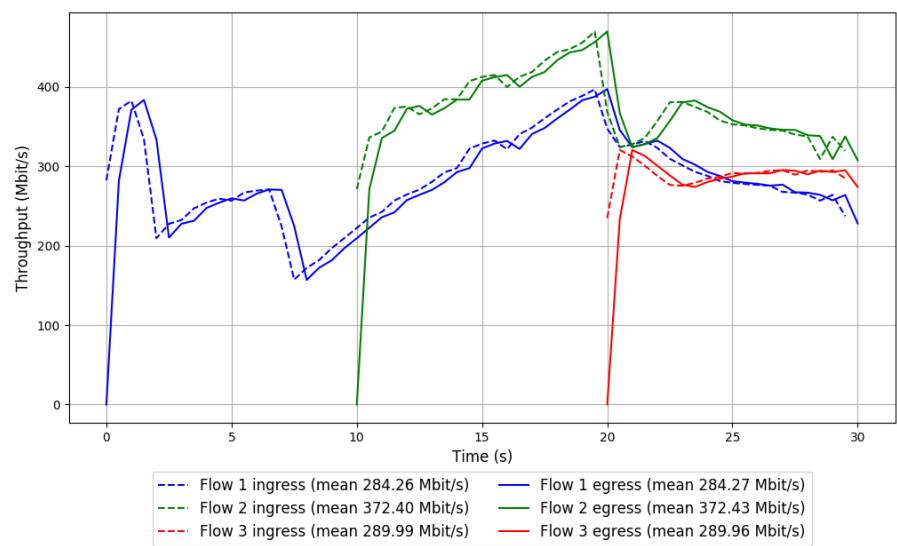
-- Flow 3:

Average throughput: 289.96 Mbit/s

95th percentile per-packet one-way delay: 2.575 ms

Loss rate: 0.21%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-10 01:33:28

End at: 2018-08-10 01:33:58

Local clock offset: 0.109 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-08-10 08:11:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.01 Mbit/s

95th percentile per-packet one-way delay: 4.107 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 221.76 Mbit/s

95th percentile per-packet one-way delay: 4.807 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 147.81 Mbit/s

95th percentile per-packet one-way delay: 2.567 ms

Loss rate: 0.09%

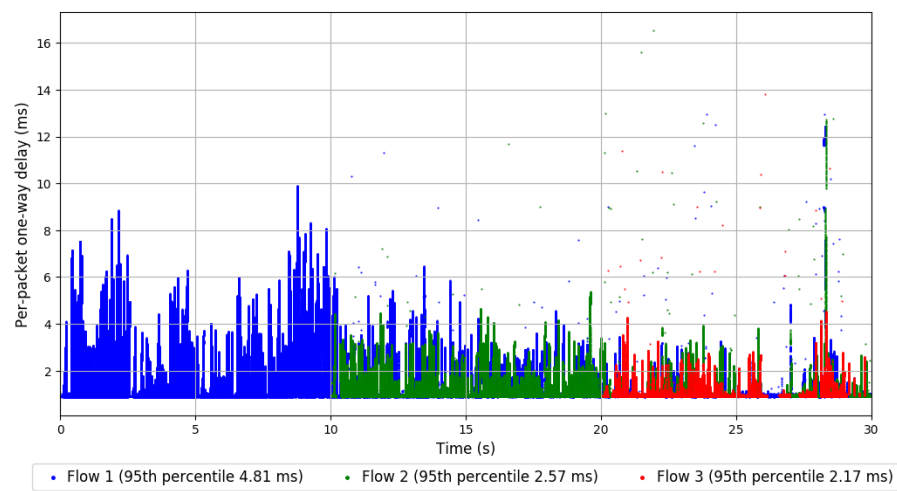
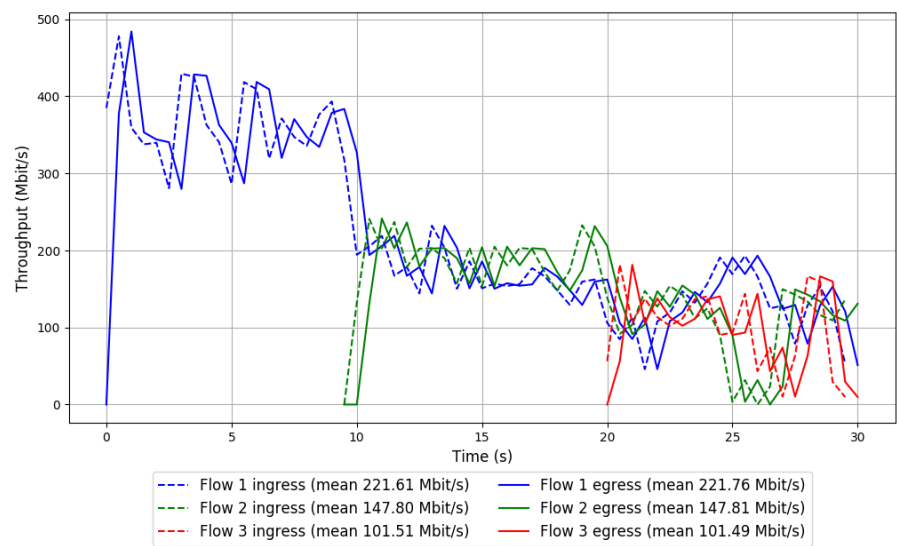
-- Flow 3:

Average throughput: 101.49 Mbit/s

95th percentile per-packet one-way delay: 2.166 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

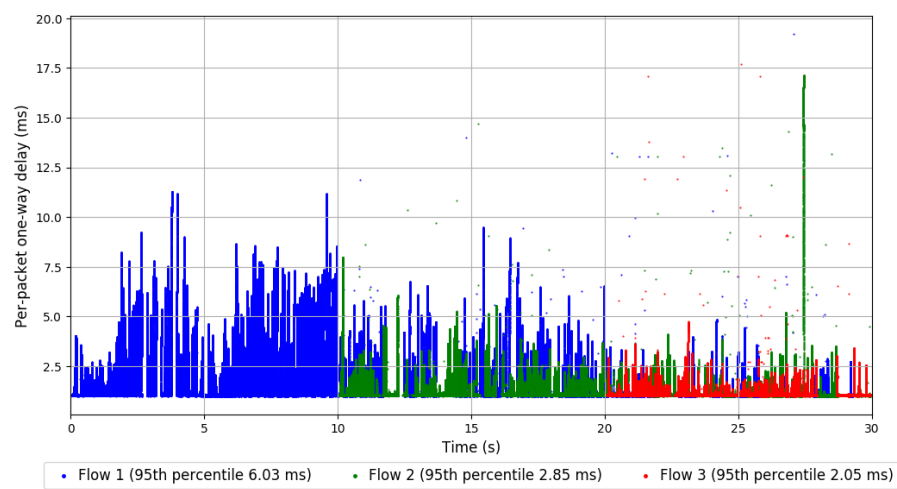
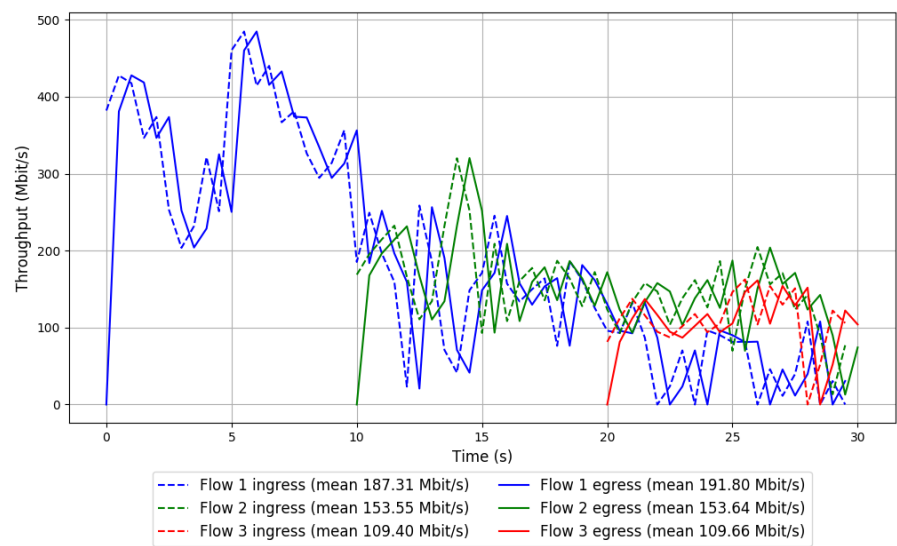


Run 2: Statistics of Verus

Start at: 2018-08-10 02:00:24
End at: 2018-08-10 02:00:54
Local clock offset: -0.176 ms
Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-08-10 08:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.98 Mbit/s
95th percentile per-packet one-way delay: 5.383 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.80 Mbit/s
95th percentile per-packet one-way delay: 6.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.64 Mbit/s
95th percentile per-packet one-way delay: 2.847 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 109.66 Mbit/s
95th percentile per-packet one-way delay: 2.053 ms
Loss rate: 0.08%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-10 02:27:28

End at: 2018-08-10 02:27:58

Local clock offset: -0.374 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-10 08:11:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.52 Mbit/s

95th percentile per-packet one-way delay: 2.762 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 165.36 Mbit/s

95th percentile per-packet one-way delay: 3.318 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 2.141 ms

Loss rate: 0.08%

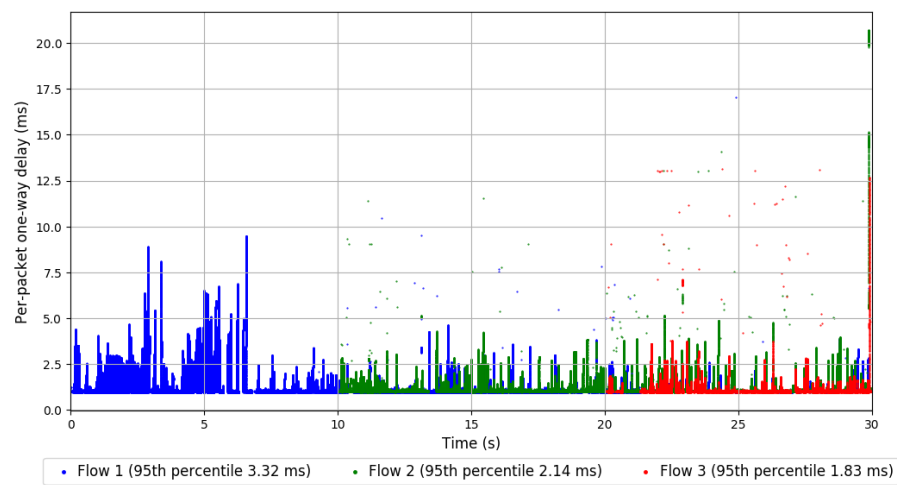
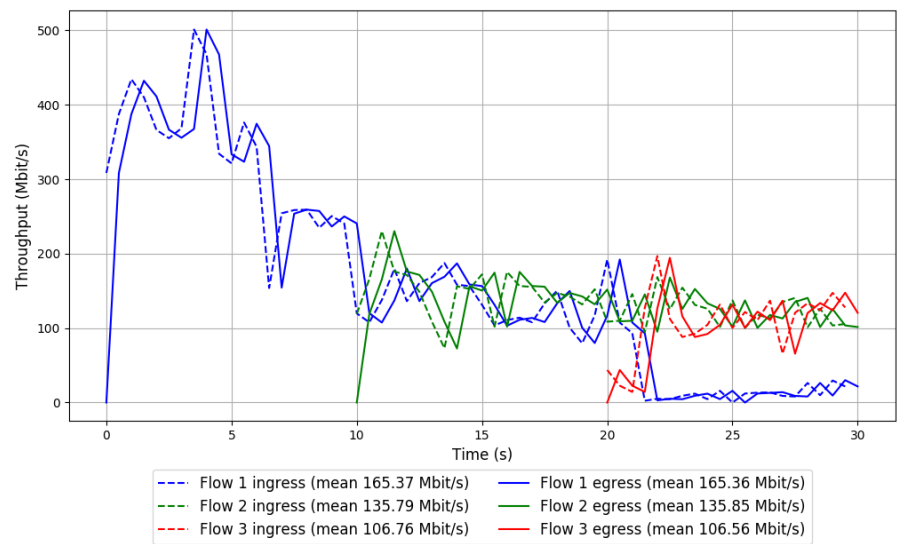
-- Flow 3:

Average throughput: 106.56 Mbit/s

95th percentile per-packet one-way delay: 1.832 ms

Loss rate: 0.35%

Run 3: Report of Verus — Data Link

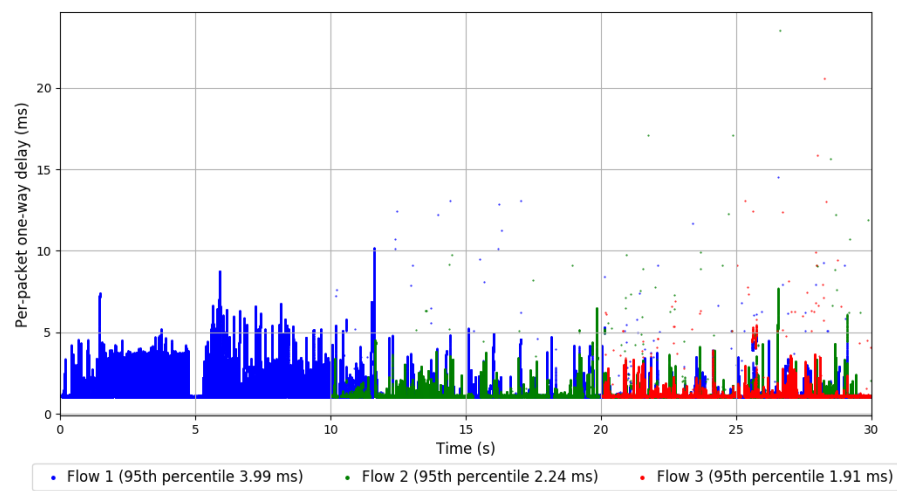
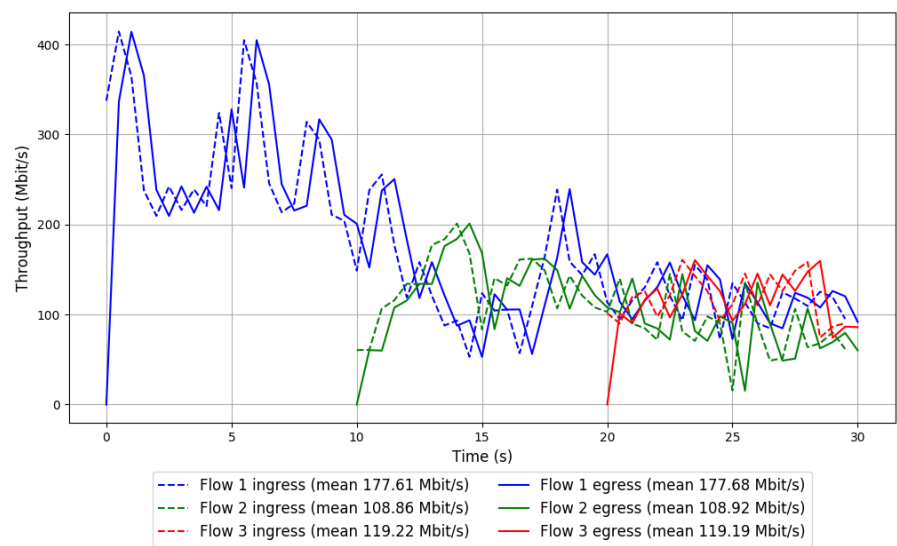


Run 4: Statistics of Verus

Start at: 2018-08-10 02:54:25
End at: 2018-08-10 02:54:55
Local clock offset: -0.343 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-10 08:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.70 Mbit/s
95th percentile per-packet one-way delay: 3.475 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 3.993 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 108.92 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 119.19 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.19%

Run 4: Report of Verus — Data Link

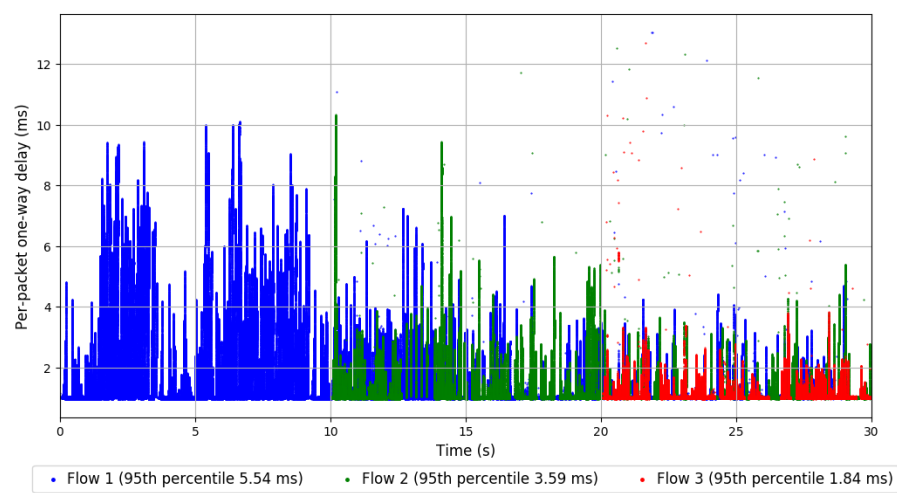
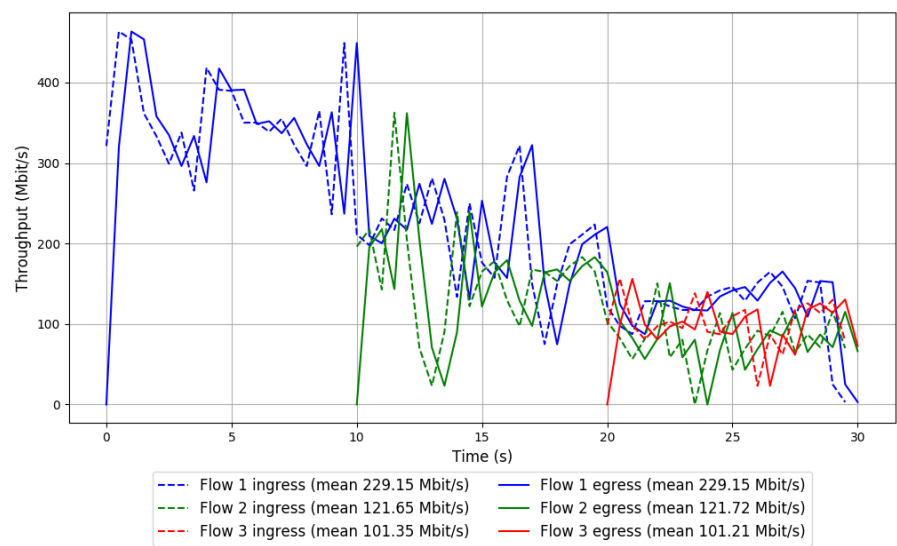


Run 5: Statistics of Verus

Start at: 2018-08-10 03:21:31
End at: 2018-08-10 03:22:01
Local clock offset: -0.309 ms
Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-10 08:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.77 Mbit/s
95th percentile per-packet one-way delay: 4.972 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 229.15 Mbit/s
95th percentile per-packet one-way delay: 5.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.72 Mbit/s
95th percentile per-packet one-way delay: 3.591 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 101.21 Mbit/s
95th percentile per-packet one-way delay: 1.841 ms
Loss rate: 0.31%

Run 5: Report of Verus — Data Link

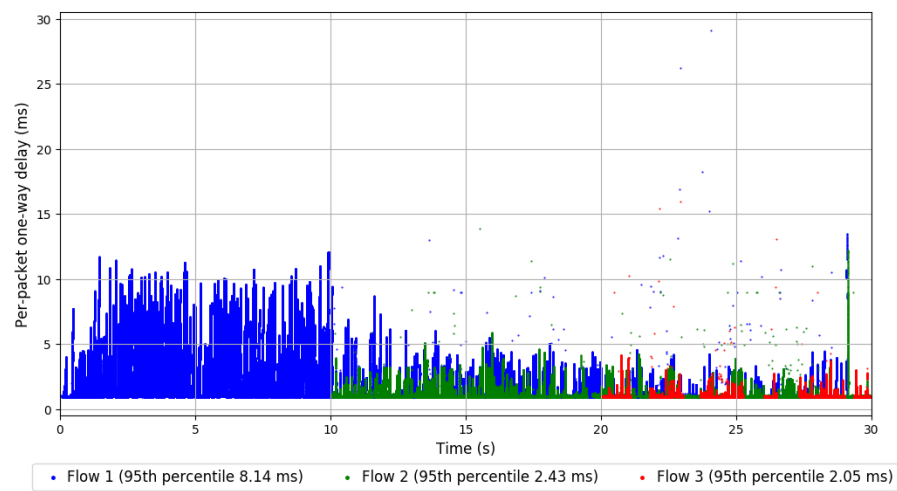
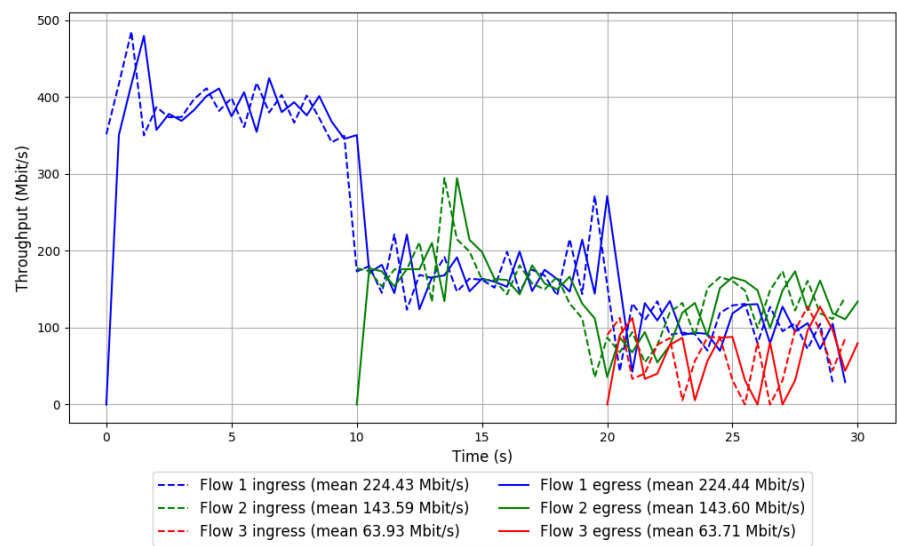


Run 6: Statistics of Verus

Start at: 2018-08-10 03:48:34
End at: 2018-08-10 03:49:04
Local clock offset: -0.249 ms
Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-08-10 08:12:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.26 Mbit/s
95th percentile per-packet one-way delay: 7.481 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 224.44 Mbit/s
95th percentile per-packet one-way delay: 8.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.60 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.50%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-10 04:15:35

End at: 2018-08-10 04:16:05

Local clock offset: -0.265 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-10 08:12:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.11 Mbit/s

95th percentile per-packet one-way delay: 5.224 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 202.73 Mbit/s

95th percentile per-packet one-way delay: 6.302 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.14 Mbit/s

95th percentile per-packet one-way delay: 2.212 ms

Loss rate: 0.09%

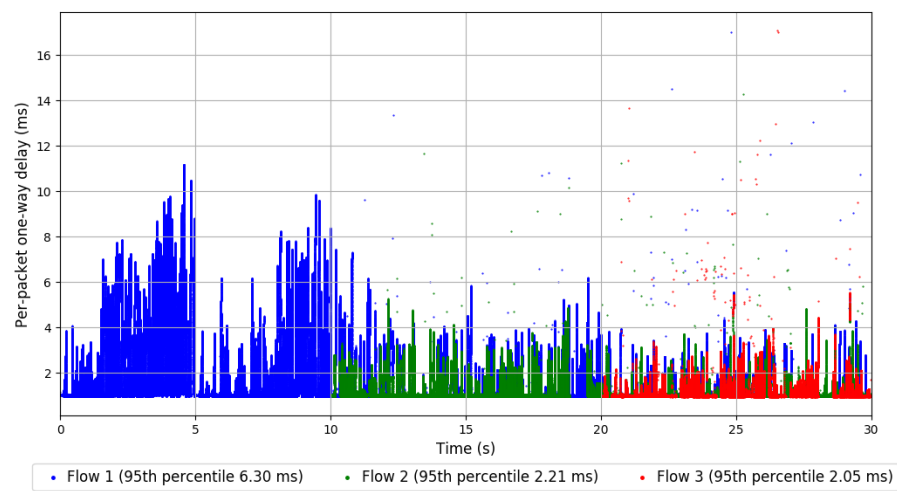
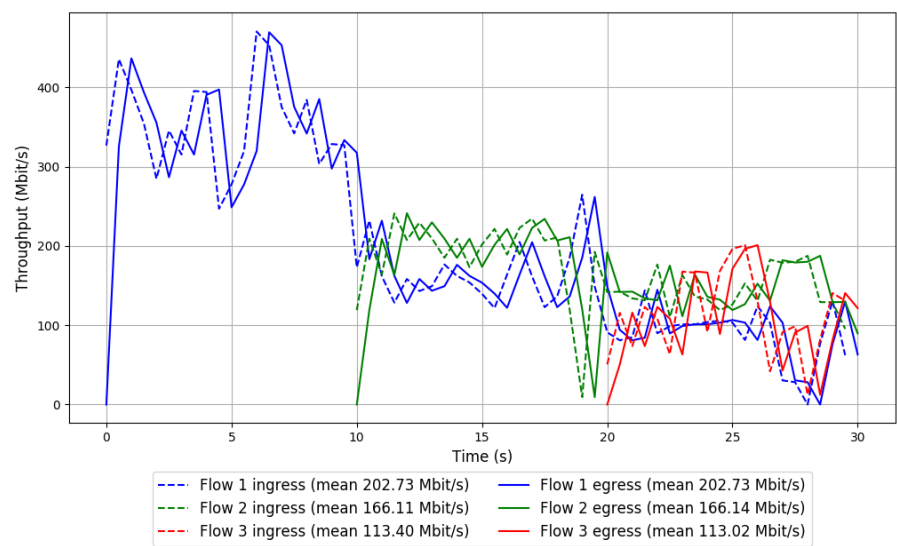
-- Flow 3:

Average throughput: 113.02 Mbit/s

95th percentile per-packet one-way delay: 2.053 ms

Loss rate: 0.42%

Run 7: Report of Verus — Data Link

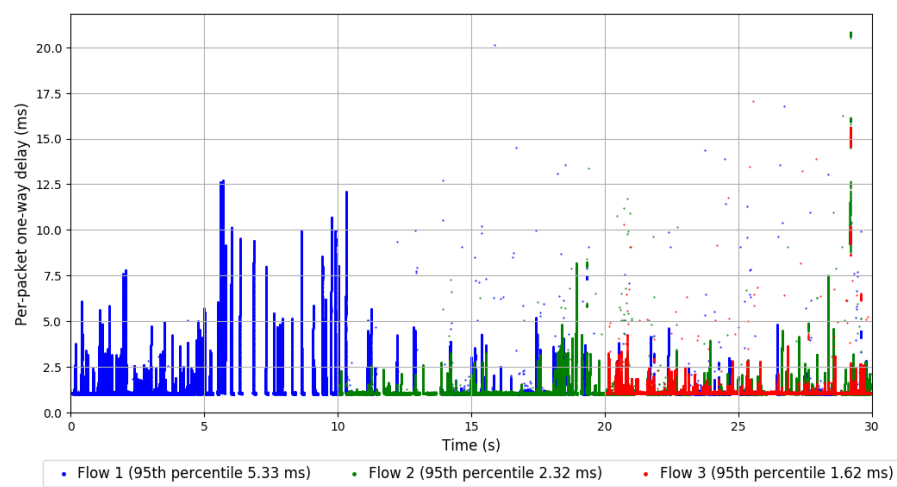
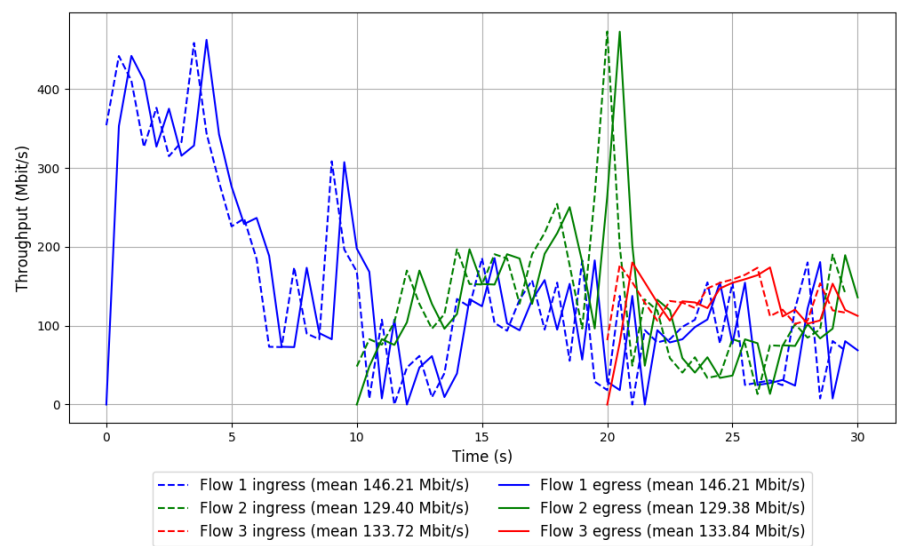


Run 8: Statistics of Verus

Start at: 2018-08-10 04:42:37
End at: 2018-08-10 04:43:07
Local clock offset: -0.267 ms
Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-08-10 08:12:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.50 Mbit/s
95th percentile per-packet one-way delay: 3.812 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 146.21 Mbit/s
95th percentile per-packet one-way delay: 5.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.38 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 1.618 ms
Loss rate: 0.16%

Run 8: Report of Verus — Data Link

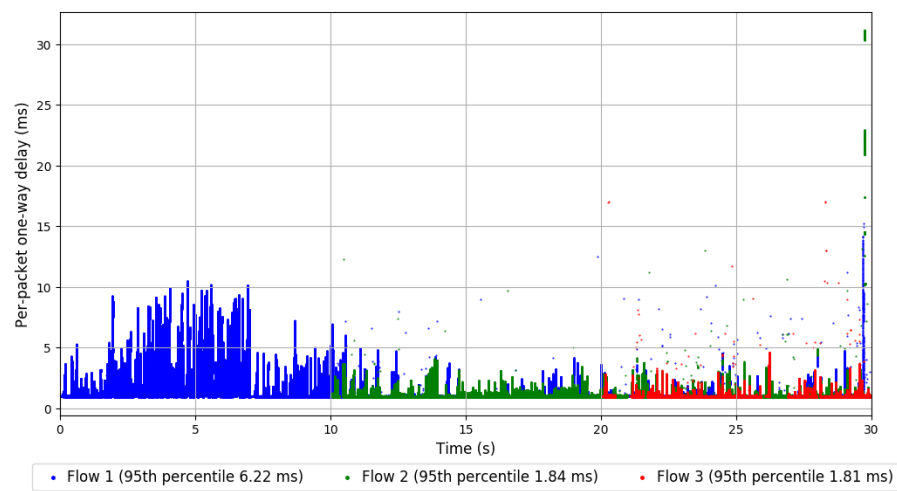
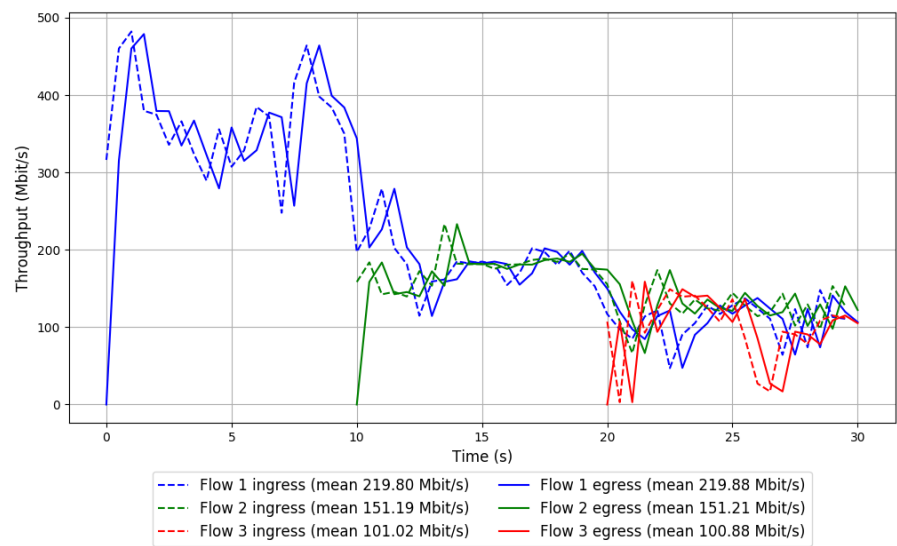


Run 9: Statistics of Verus

Start at: 2018-08-10 05:09:40
End at: 2018-08-10 05:10:10
Local clock offset: -0.94 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-08-10 08:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.00 Mbit/s
95th percentile per-packet one-way delay: 4.817 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 6.217 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 1.837 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 1.808 ms
Loss rate: 0.34%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-10 05:36:33

End at: 2018-08-10 05:37:03

Local clock offset: -1.149 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-10 08:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.11 Mbit/s

95th percentile per-packet one-way delay: 4.931 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 188.87 Mbit/s

95th percentile per-packet one-way delay: 6.080 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 151.81 Mbit/s

95th percentile per-packet one-way delay: 2.399 ms

Loss rate: 0.14%

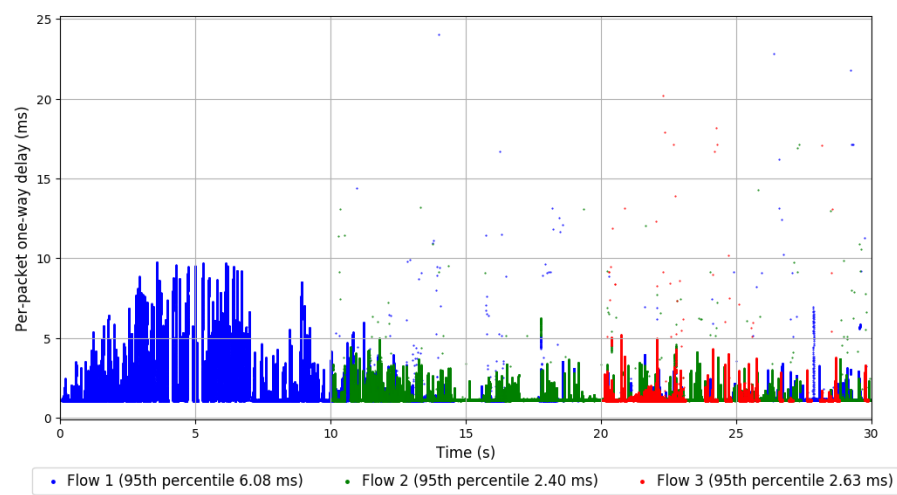
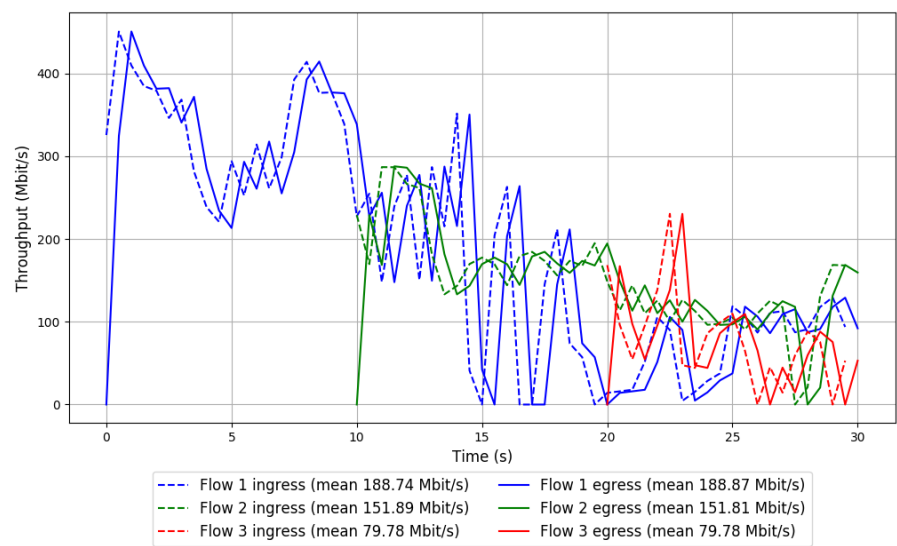
-- Flow 3:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 2.626 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 01:43:58

End at: 2018-08-10 01:44:28

Local clock offset: 0.197 ms

Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-08-10 08:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.61 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 185.71 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 54.64 Mbit/s

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

Loss rate: 0.16%

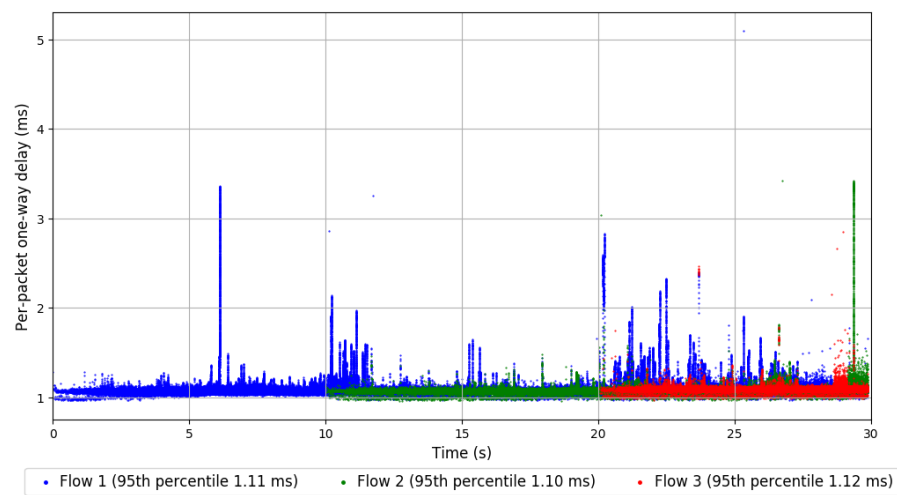
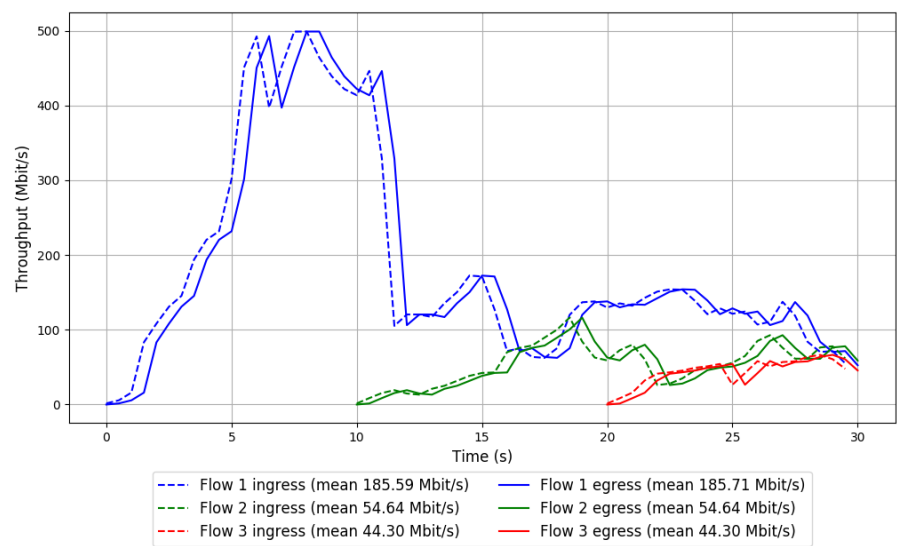
-- Flow 3:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 1.120 ms

Loss rate: 0.28%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 02:10:52

End at: 2018-08-10 02:11:22

Local clock offset: -0.25 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-08-10 08:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.48 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 249.09 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 172.07 Mbit/s

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

Loss rate: 0.12%

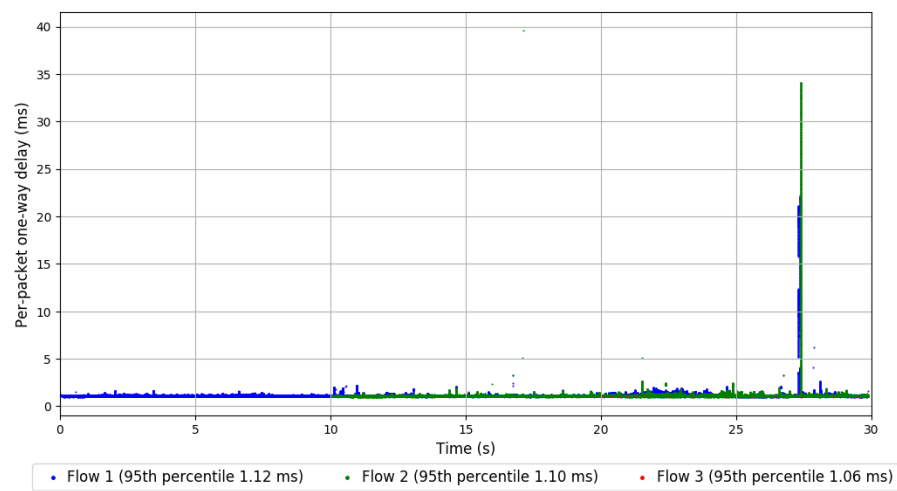
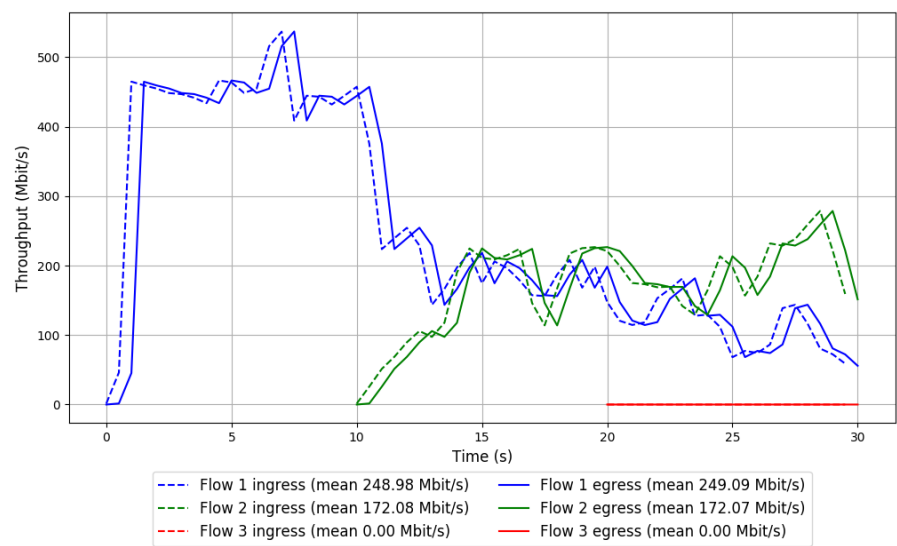
-- Flow 3:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 02:37:53

End at: 2018-08-10 02:38:23

Local clock offset: -0.329 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-10 08:16:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.74 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 235.49 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 129.11 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.08%

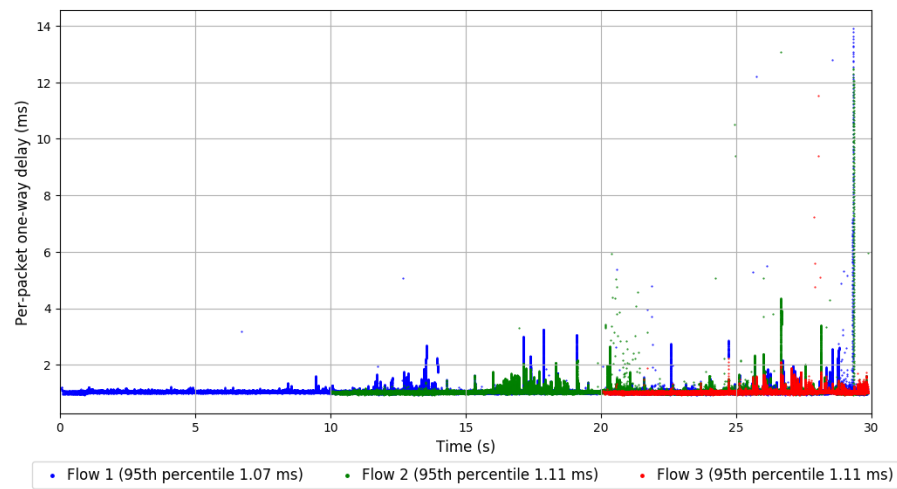
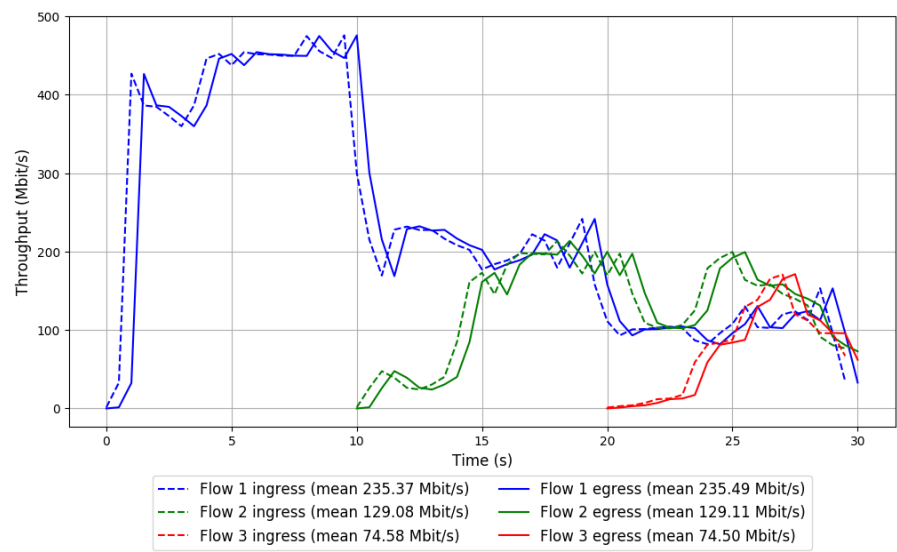
-- Flow 3:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.34%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 03:04:55

End at: 2018-08-10 03:05:25

Local clock offset: -0.442 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-08-10 08:16:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.75 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 238.53 Mbit/s

95th percentile per-packet one-way delay: 0.930 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.27%

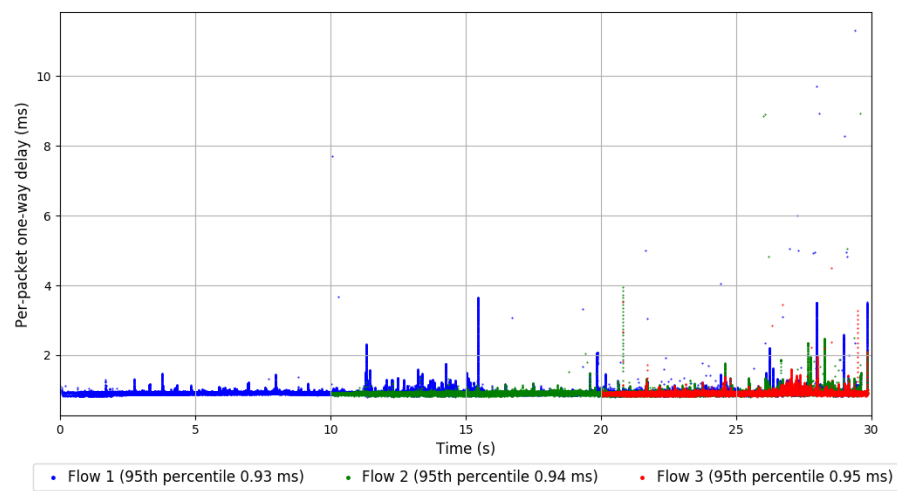
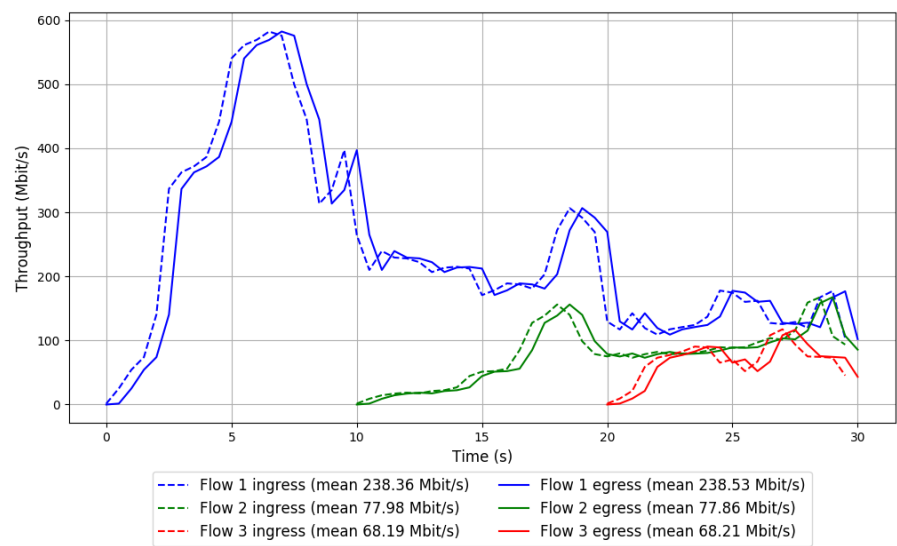
-- Flow 3:

Average throughput: 68.21 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.17%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 03:32:02

End at: 2018-08-10 03:32:32

Local clock offset: -0.336 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-10 08:16:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.01 Mbit/s

95th percentile per-packet one-way delay: 0.954 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 241.53 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 156.44 Mbit/s

95th percentile per-packet one-way delay: 0.954 ms

Loss rate: 0.06%

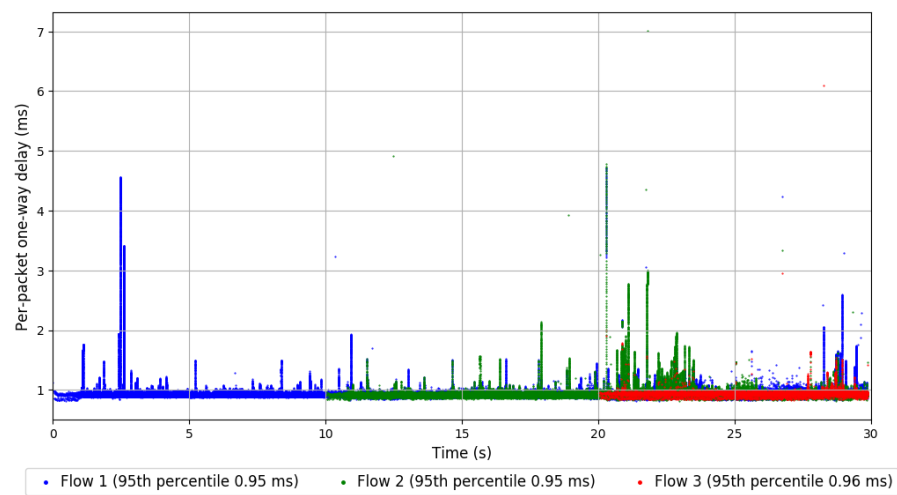
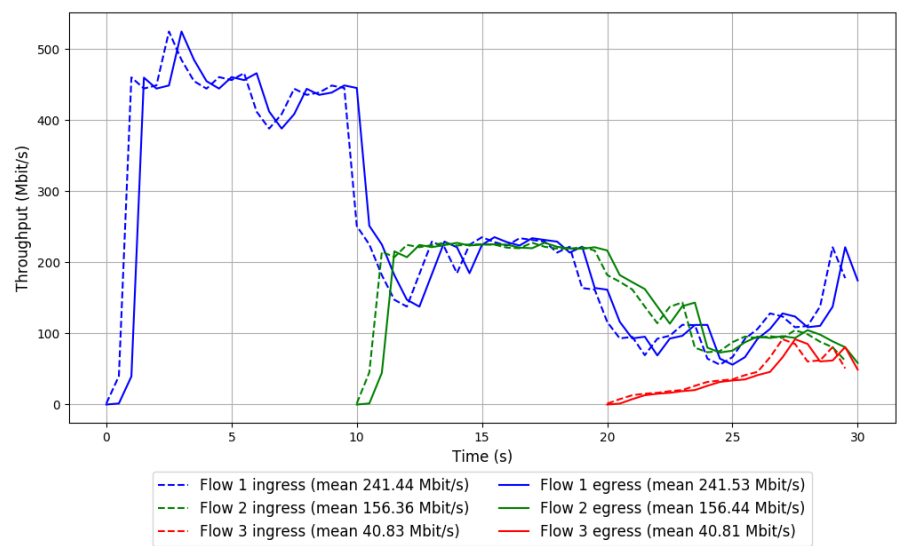
-- Flow 3:

Average throughput: 40.81 Mbit/s

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

Loss rate: 0.24%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 03:59:01

End at: 2018-08-10 03:59:31

Local clock offset: -0.292 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-10 08:16:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 300.53 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 180.64 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 156.51 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.03%

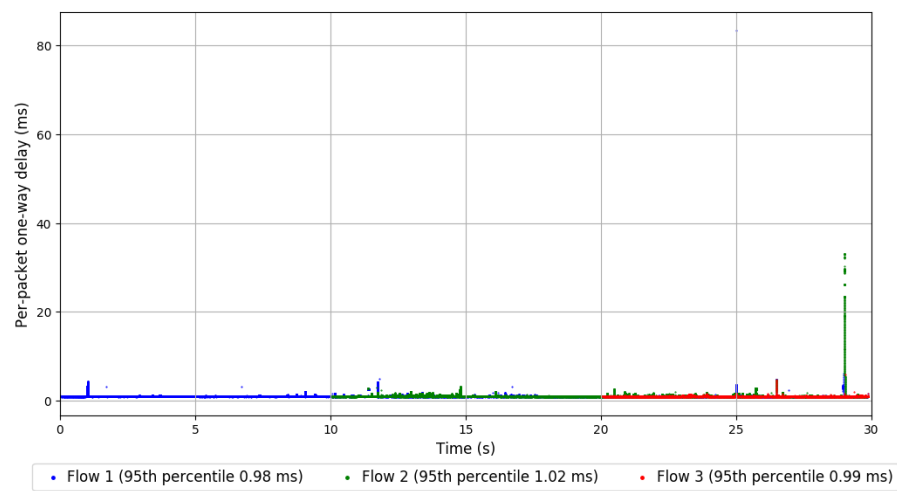
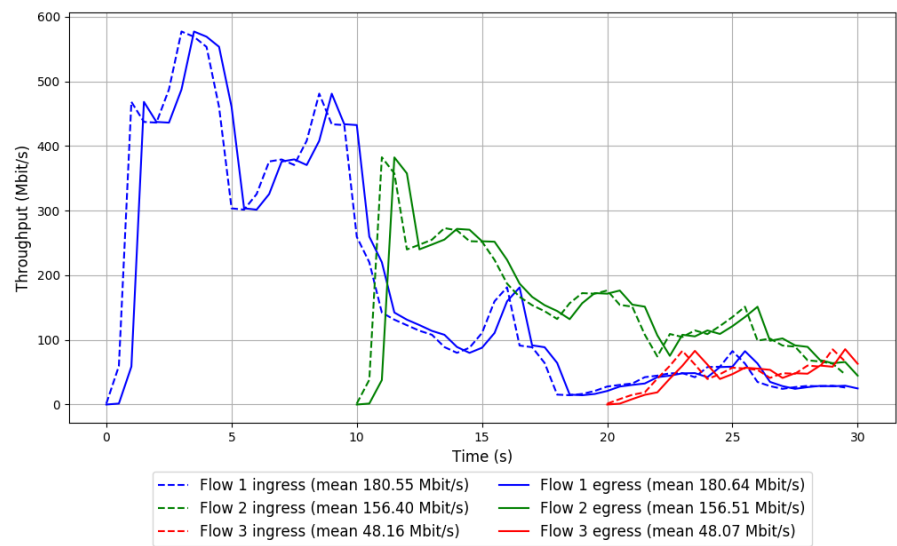
-- Flow 3:

Average throughput: 48.07 Mbit/s

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

Loss rate: 0.38%

Run 6: Report of PCC-Vivace — Data Link

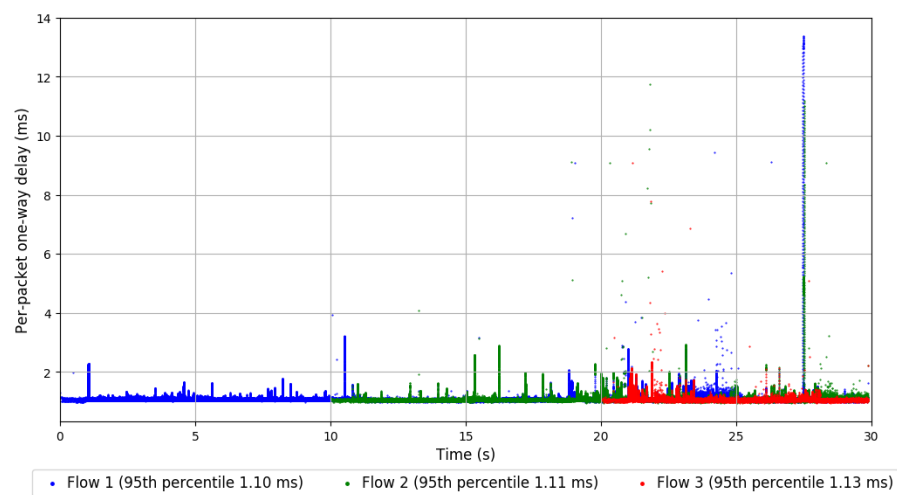
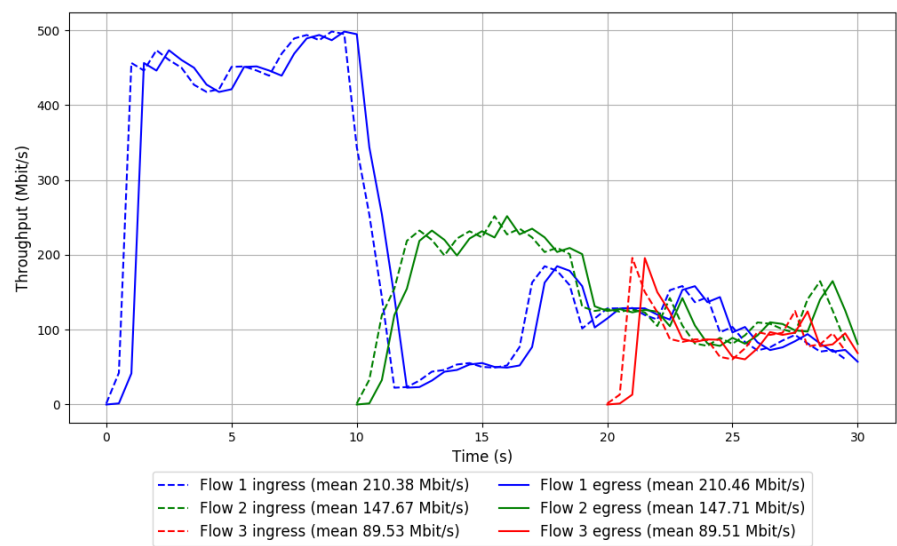


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 04:26:05
End at: 2018-08-10 04:26:35
Local clock offset: -0.186 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 08:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.13 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 210.46 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.71 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.19%

Run 7: Report of PCC-Vivace — Data Link

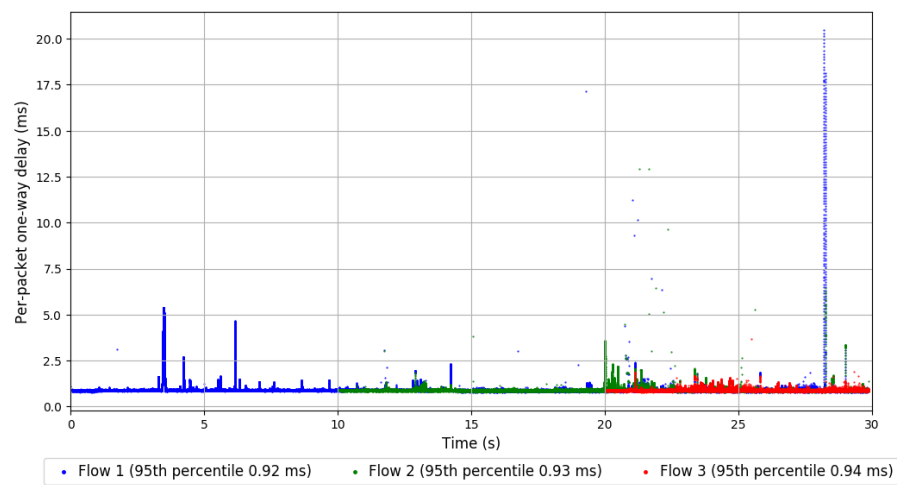
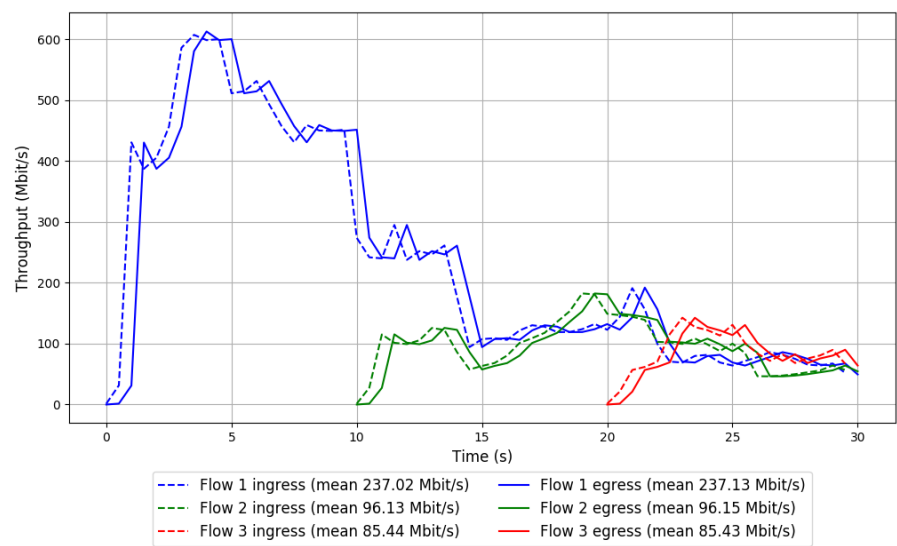


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 04:53:04
End at: 2018-08-10 04:53:34
Local clock offset: -0.648 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-10 08:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.20 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 237.13 Mbit/s
95th percentile per-packet one-way delay: 0.917 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.20%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 05:20:01

End at: 2018-08-10 05:20:31

Local clock offset: -1.052 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-10 08:17:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.55 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 227.72 Mbit/s

95th percentile per-packet one-way delay: 1.003 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 122.12 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.06%

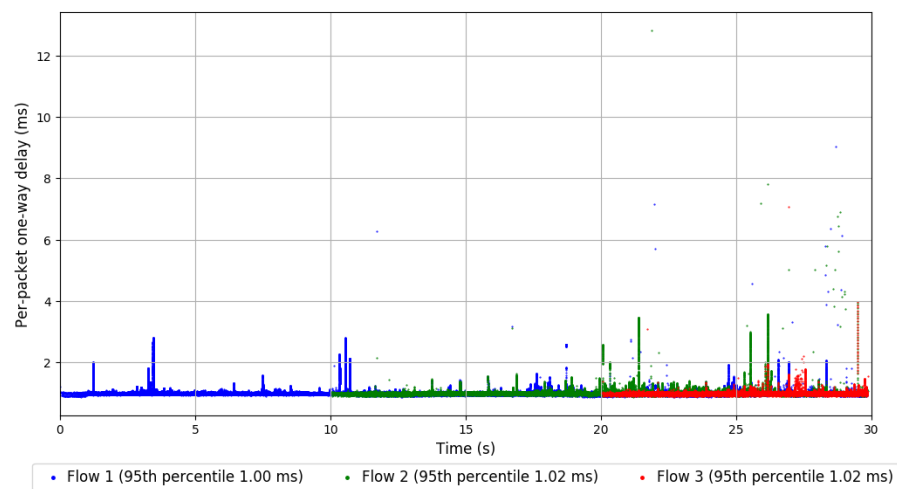
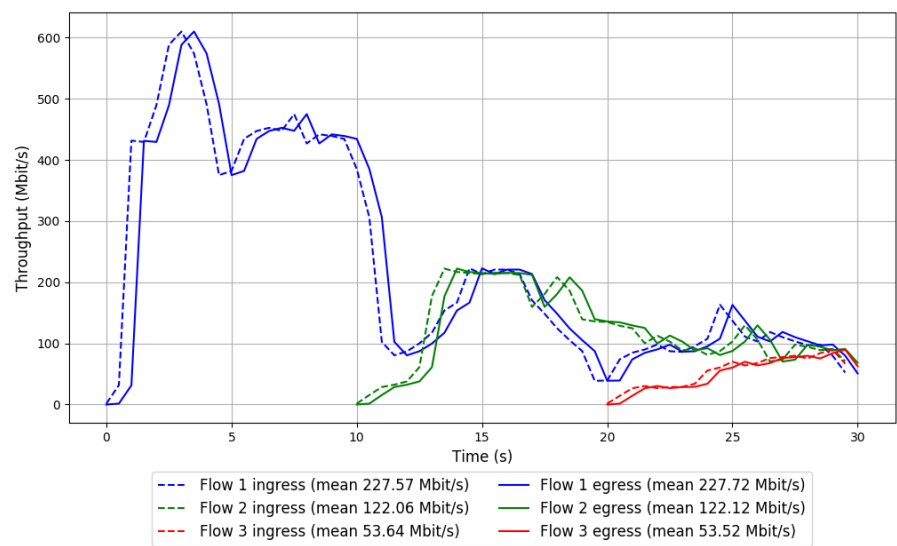
-- Flow 3:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.40%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 05:47:01

End at: 2018-08-10 05:47:31

Local clock offset: -1.102 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.81 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 1.036 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 105.07 Mbit/s

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

Loss rate: 0.11%

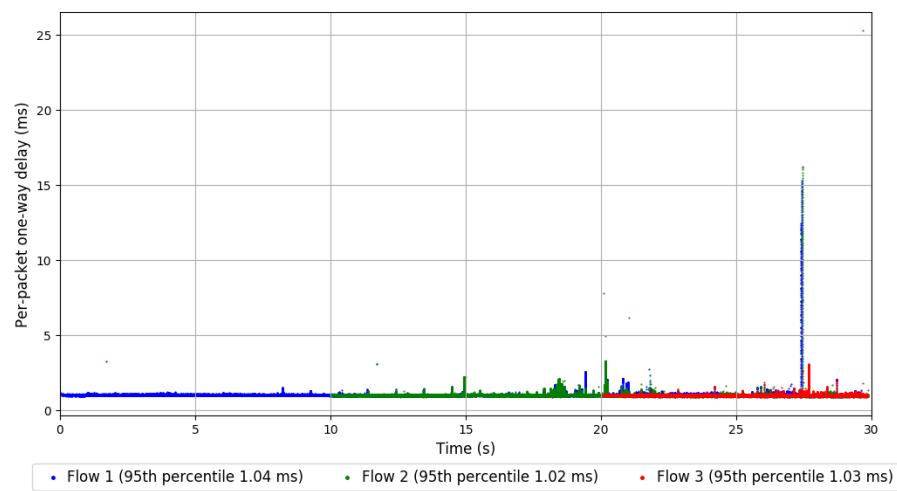
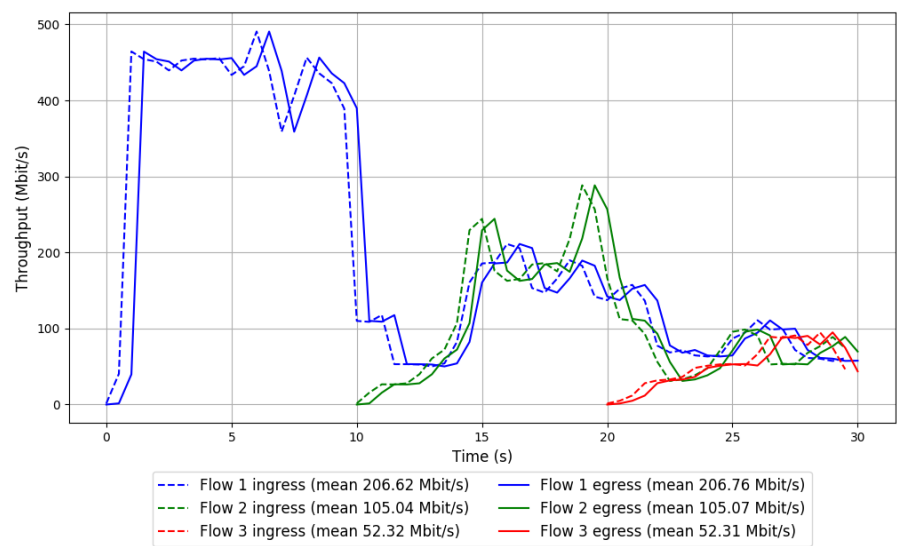
-- Flow 3:

Average throughput: 52.31 Mbit/s

95th percentile per-packet one-way delay: 1.034 ms

Loss rate: 0.26%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-10 01:27:17

End at: 2018-08-10 01:27:47

Local clock offset: 0.172 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 1.127 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

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

Loss rate: 0.08%

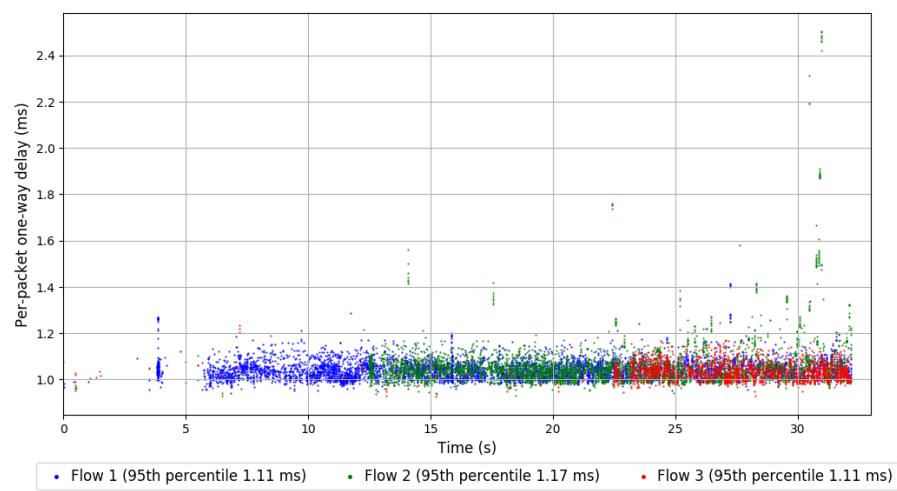
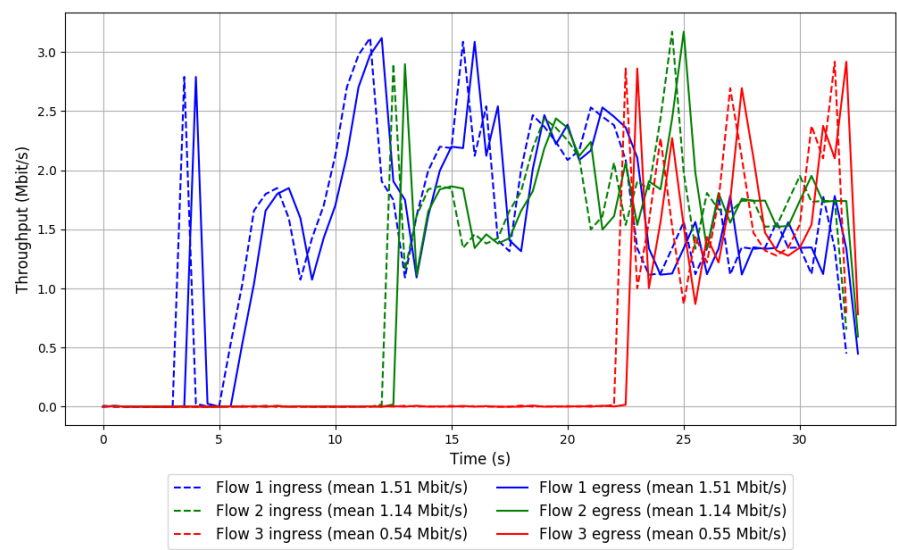
-- Flow 3:

Average throughput: 0.55 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-10 01:54:13

End at: 2018-08-10 01:54:43

Local clock offset: -0.143 ms

Remote clock offset: 0.819 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 1.073 ms

Loss rate: 0.11%

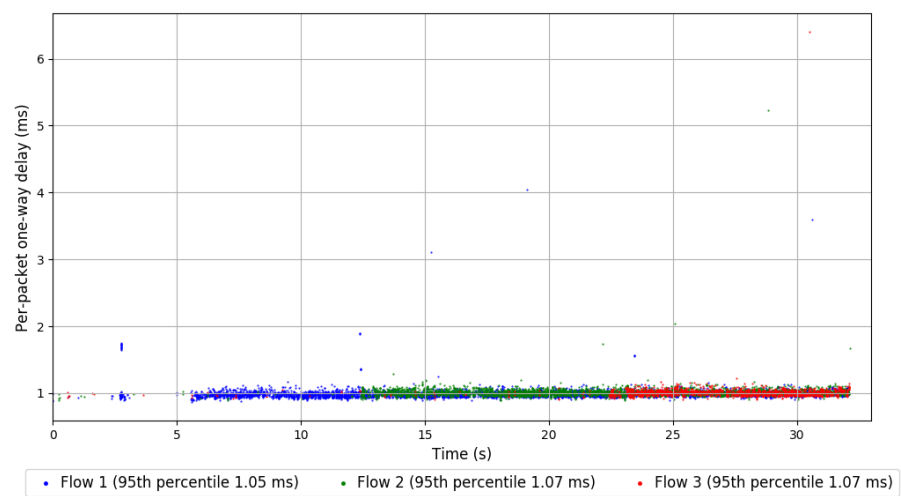
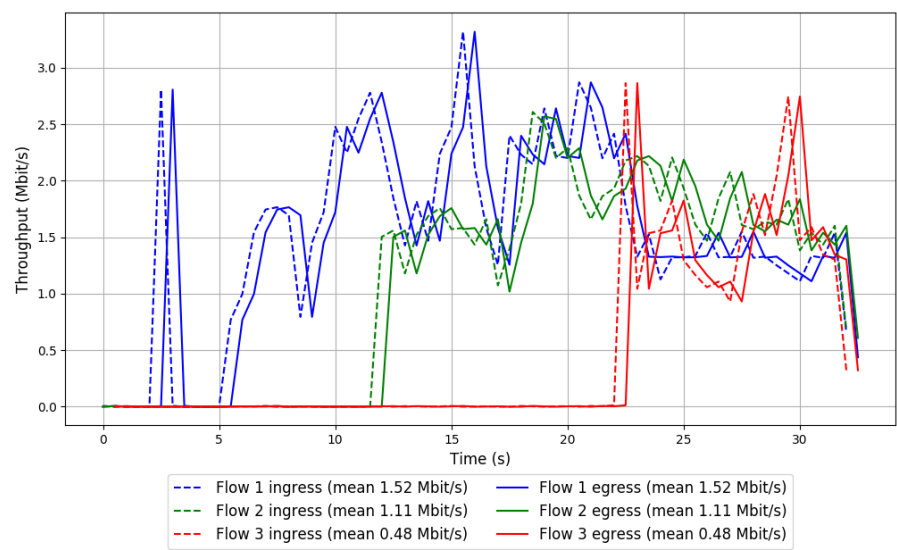
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-10 02:21:15

End at: 2018-08-10 02:21:45

Local clock offset: -0.269 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.00%

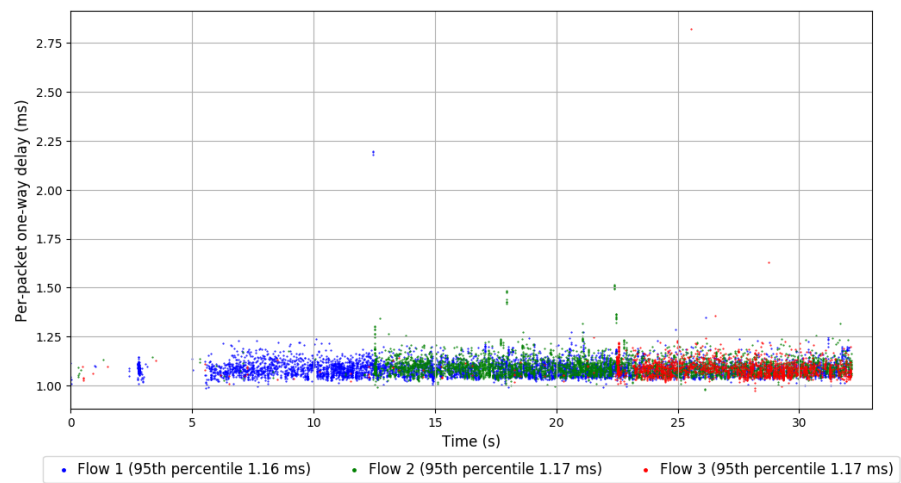
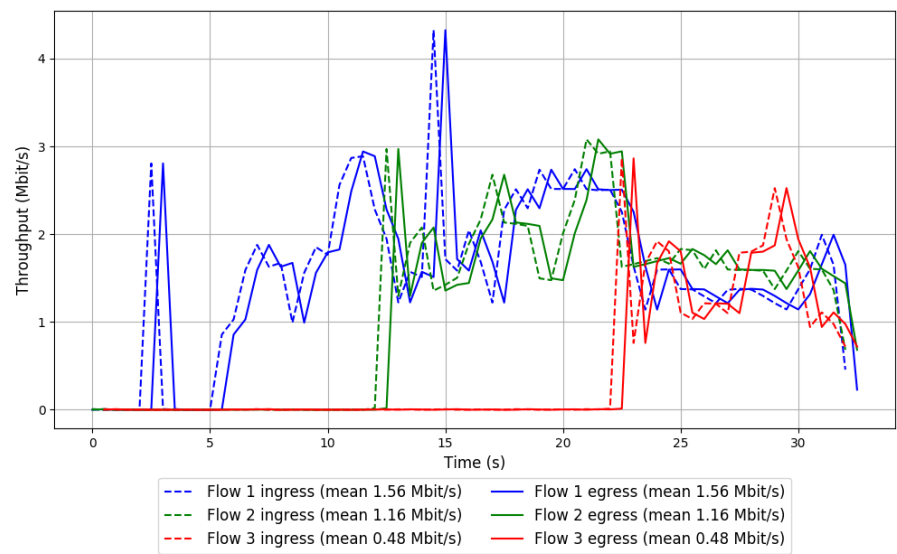
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

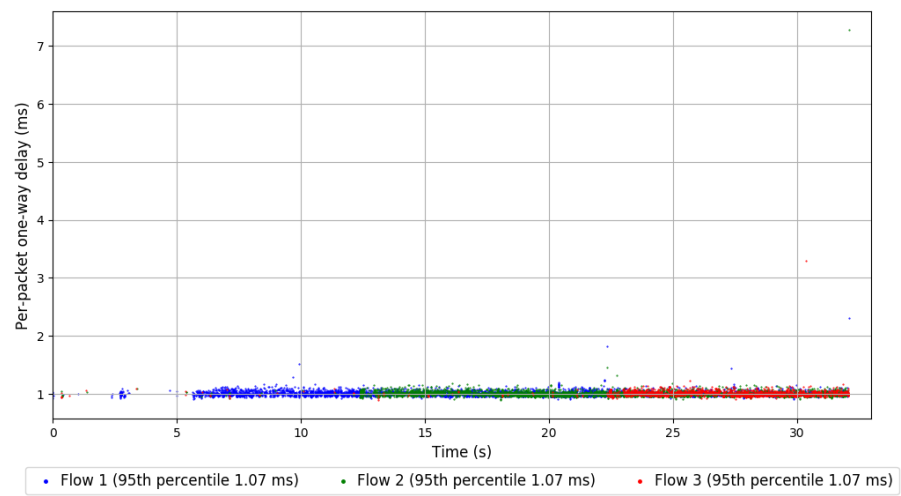
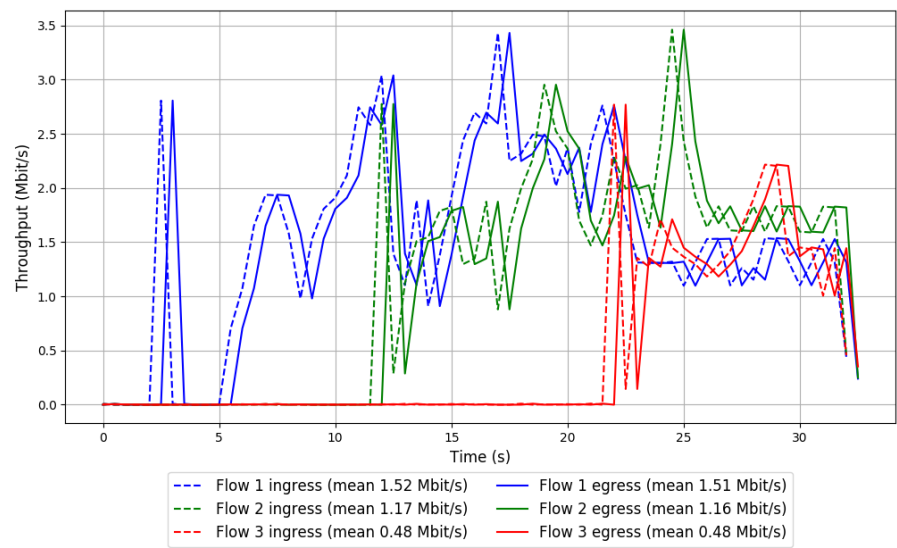


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 02:48:13
End at: 2018-08-10 02:48:43
Local clock offset: -0.454 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-10 08:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.34%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-10 03:15:20

End at: 2018-08-10 03:15:50

Local clock offset: -0.419 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 1.15 Mbit/s

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

Loss rate: 0.00%

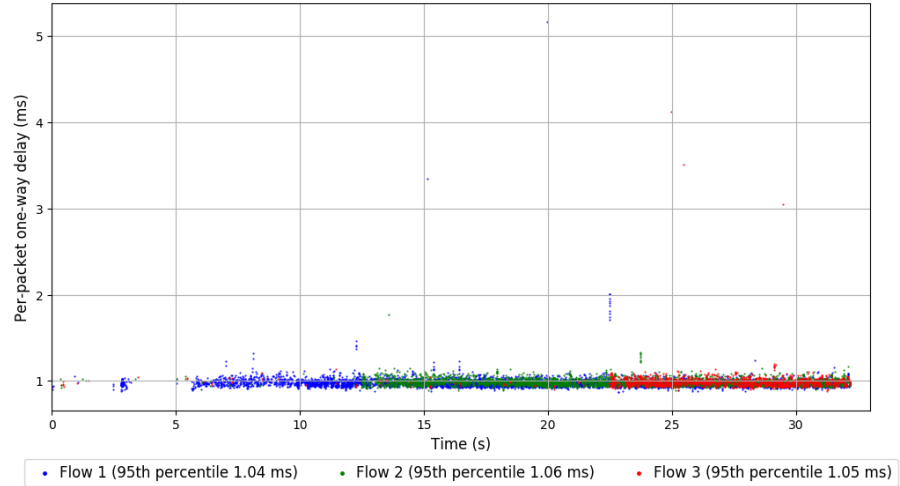
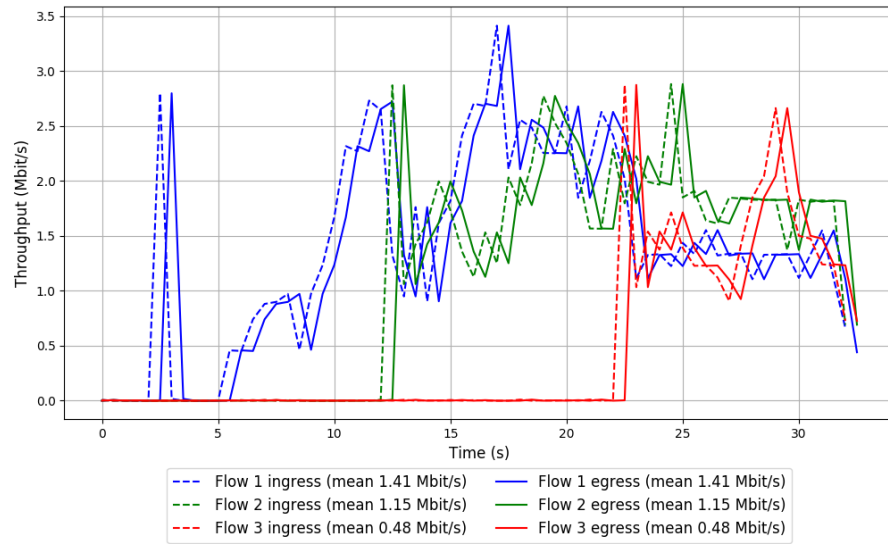
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-10 03:42:20

End at: 2018-08-10 03:42:50

Local clock offset: -0.289 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.16 Mbit/s

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

Loss rate: 0.12%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

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

Loss rate: 0.31%

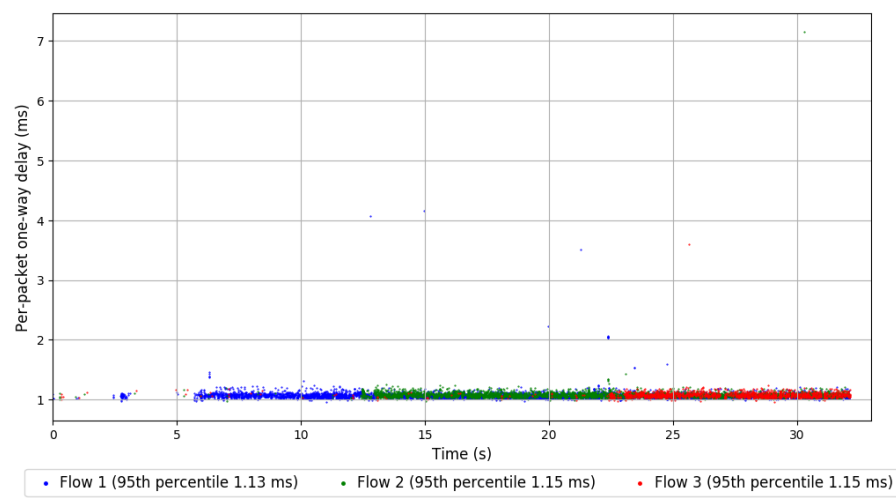
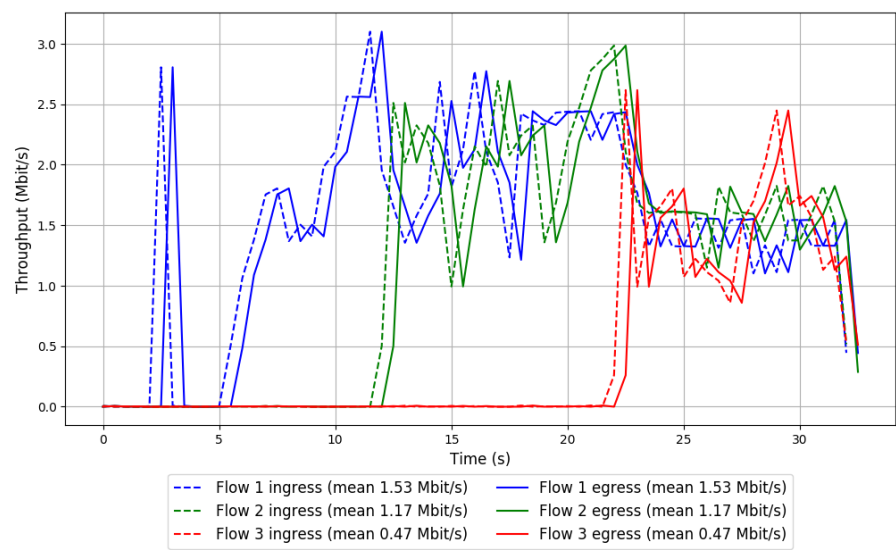
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-10 04:09:22

End at: 2018-08-10 04:09:52

Local clock offset: -0.234 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.11 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

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

Loss rate: 0.00%

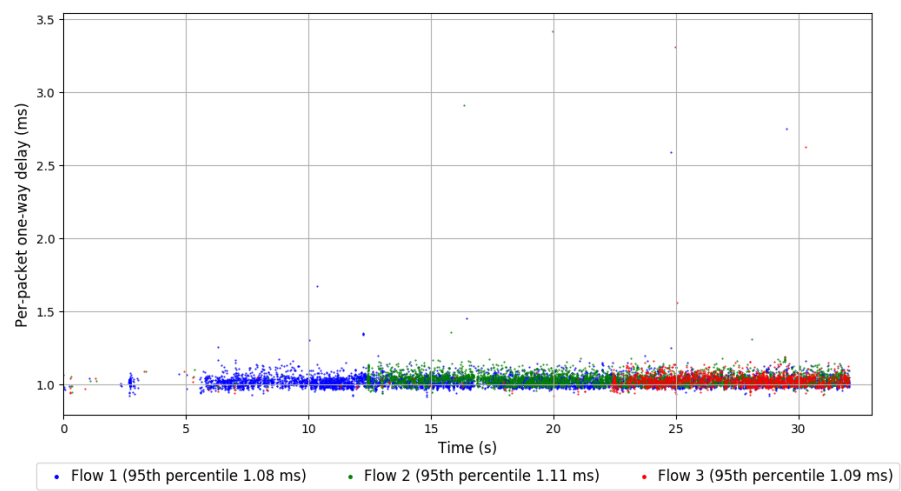
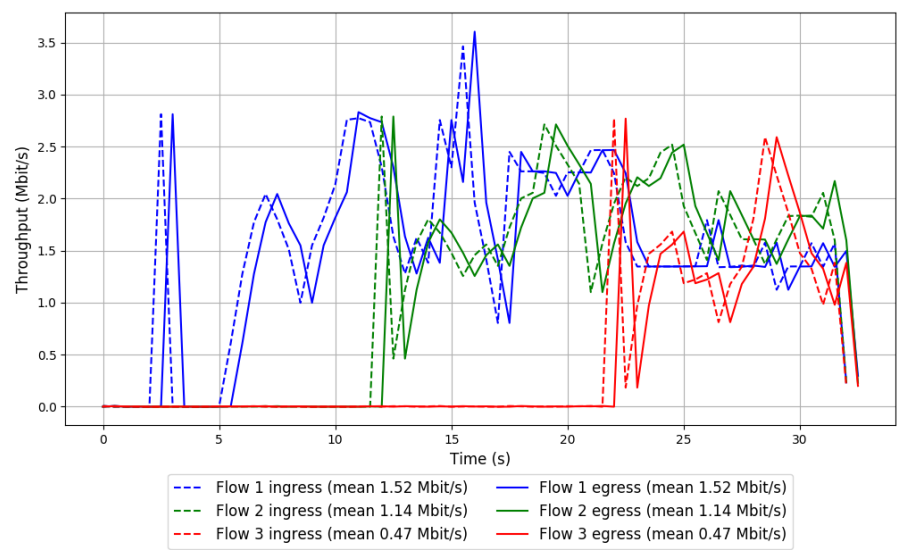
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-10 04:36:28

End at: 2018-08-10 04:36:58

Local clock offset: -0.34 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-10 08:17:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 0.963 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 1.15 Mbit/s

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

Loss rate: 0.00%

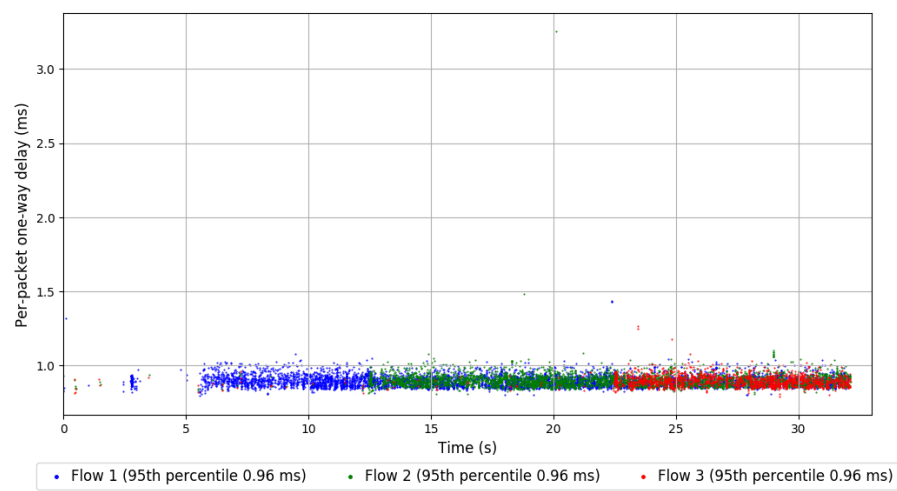
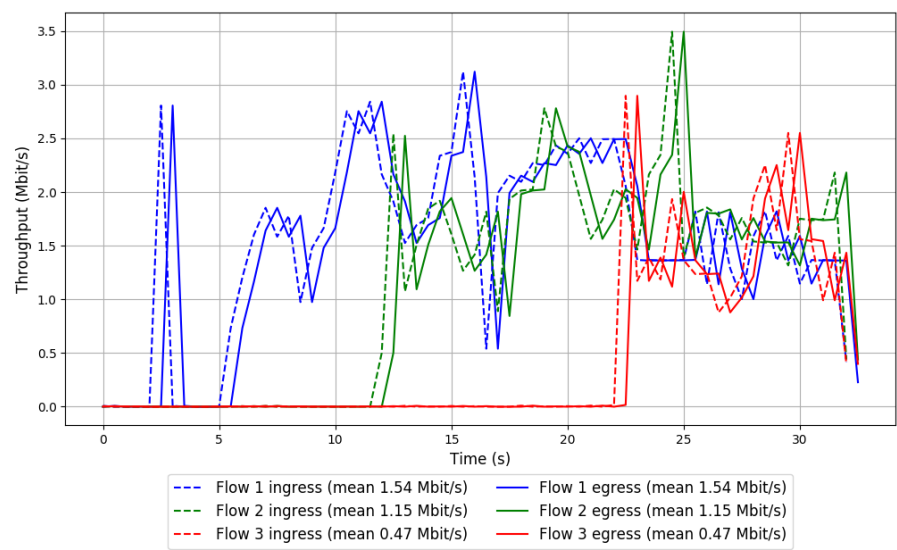
-- Flow 3:

Average throughput: 0.47 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

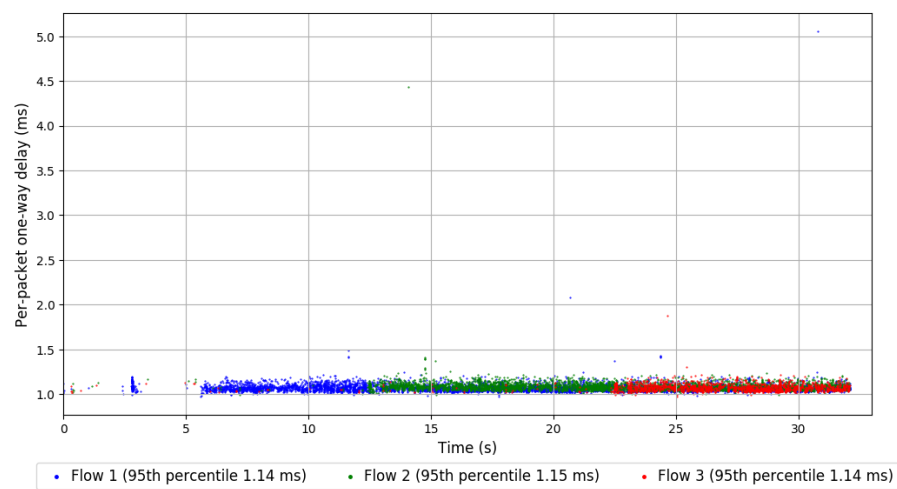
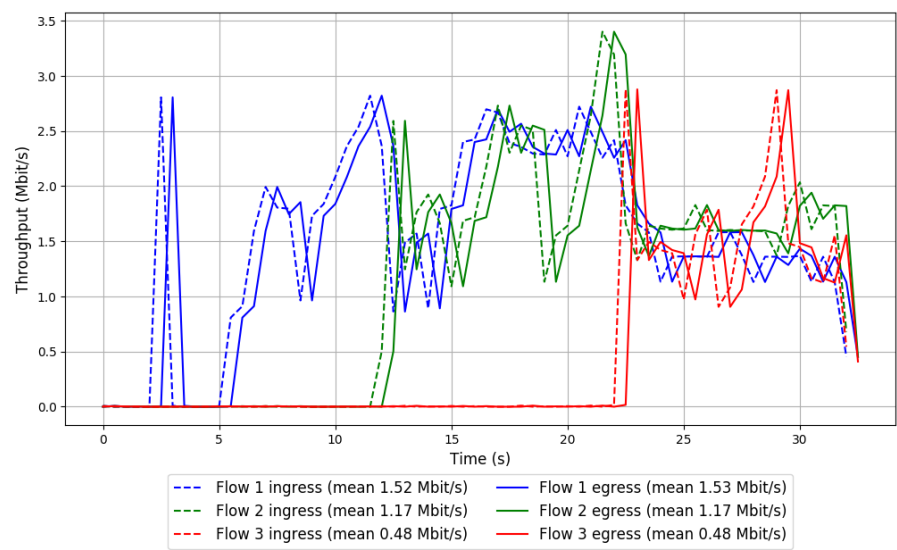


Run 9: Statistics of WebRTC media

Start at: 2018-08-10 05:03:25
End at: 2018-08-10 05:03:55
Local clock offset: -0.759 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2018-08-10 08:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.44%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 05:30:21
End at: 2018-08-10 05:30:51
Local clock offset: -1.172 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-10 08:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

