

Pantheon Report

Generated at 2018-08-22 22:33:57 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

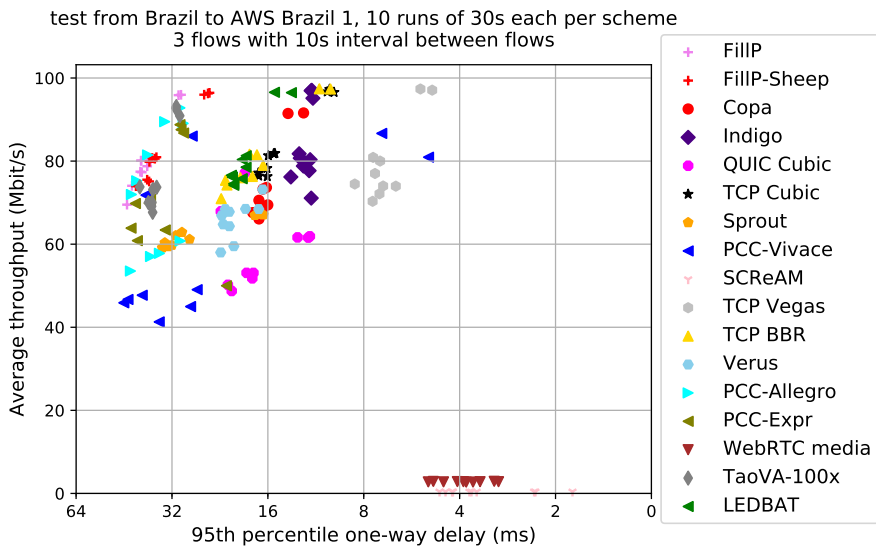
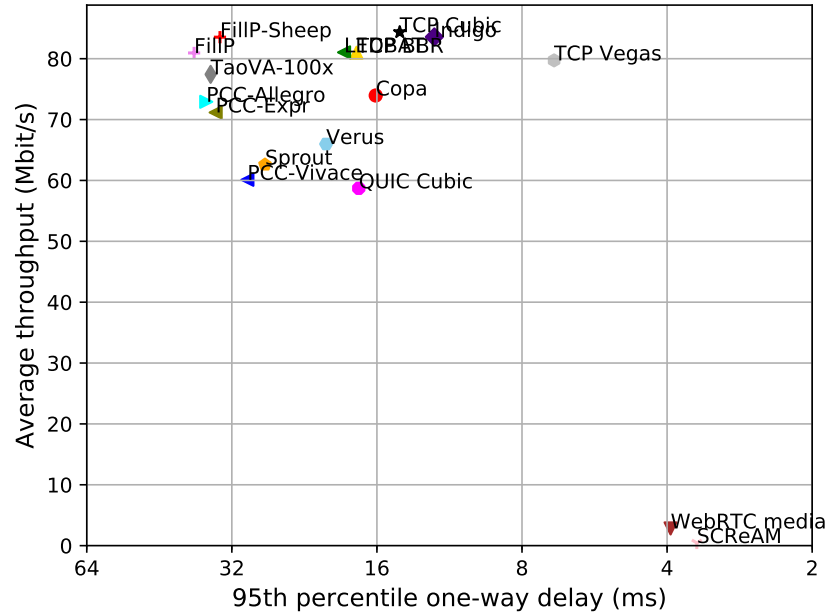
System info:

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

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	49.23	34.01	27.39	17.26	18.47	16.81	0.39	0.72	0.61
Copa	10	43.46	32.90	26.13	15.06	16.80	17.37	0.04	0.08	0.17
TCP Cubic	10	51.44	35.29	28.34	14.86	13.76	13.49	0.09	0.16	0.28
FillP	10	49.98	33.39	26.38	35.58	38.99	42.40	3.31	7.67	7.49
FillP-Sheep	10	51.12	34.94	27.70	31.94	35.52	37.22	3.37	5.73	4.88
Indigo	10	50.87	35.43	27.79	10.83	13.32	14.11	0.03	0.42	0.26
LEDBAT	10	49.29	33.87	27.69	18.47	19.12	18.62	0.14	0.26	0.41
PCC-Allegro	10	49.37	24.38	22.34	34.28	33.10	23.94	4.35	2.73	0.96
PCC-Expr	10	45.40	26.43	24.84	31.14	36.04	36.69	0.74	0.65	0.58
QUIC Cubic	10	9.75	55.83	38.79	6.31	17.46	16.95	0.04	0.18	0.40
SCReAM	10	0.22	0.22	0.22	3.46	3.45	3.46	0.00	0.00	0.17
Sprout	10	33.13	30.86	27.12	24.69	27.63	31.35	0.09	0.15	0.34
TaoVA-100x	10	42.80	36.00	32.07	32.55	35.97	38.50	0.28	0.73	1.27
TCP Vegas	10	46.89	35.10	28.48	6.97	5.85	6.78	0.01	0.02	0.05
Verus	10	37.31	29.69	26.90	18.34	20.65	27.87	0.04	0.05	0.15
PCC-Vivace	10	36.50	25.32	20.52	23.23	29.95	31.29	0.60	1.03	1.62
WebRTC media	10	1.53	0.88	0.42	3.86	3.97	4.20	0.00	0.04	0.09

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 19:12:20

End at: 2018-08-22 19:12:50

Local clock offset: -3.66 ms

Remote clock offset: -8.24 ms

Below is generated by plot.py at 2018-08-22 22:14:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 17.901 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 16.743 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 32.17 Mbit/s

95th percentile per-packet one-way delay: 20.210 ms

Loss rate: 0.48%

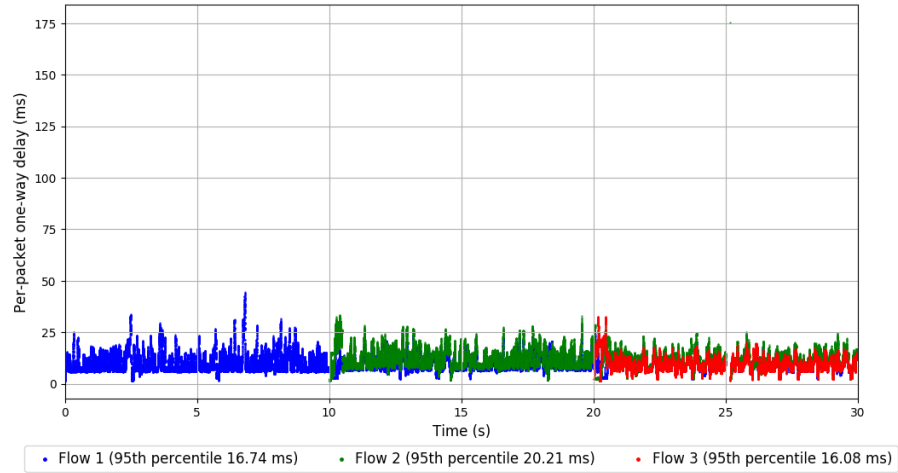
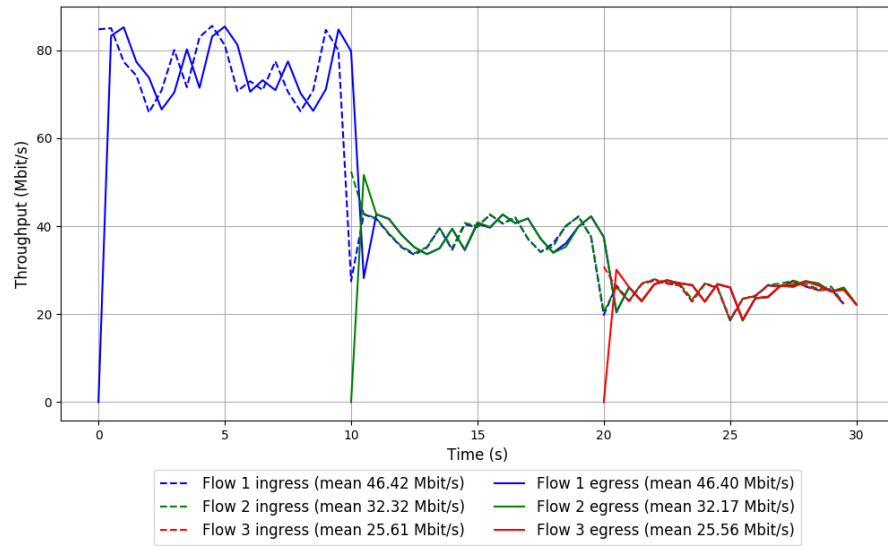
-- Flow 3:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 16.077 ms

Loss rate: 0.24%

Run 1: Report of TCP BBR — Data Link

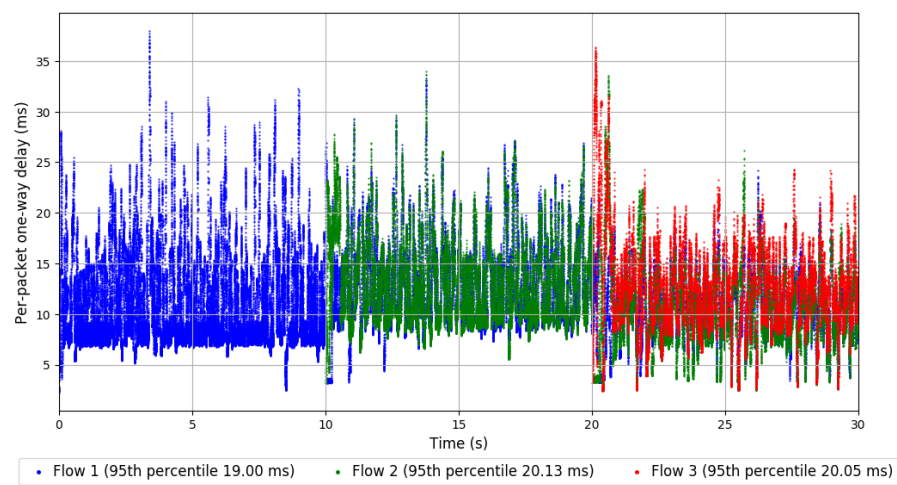
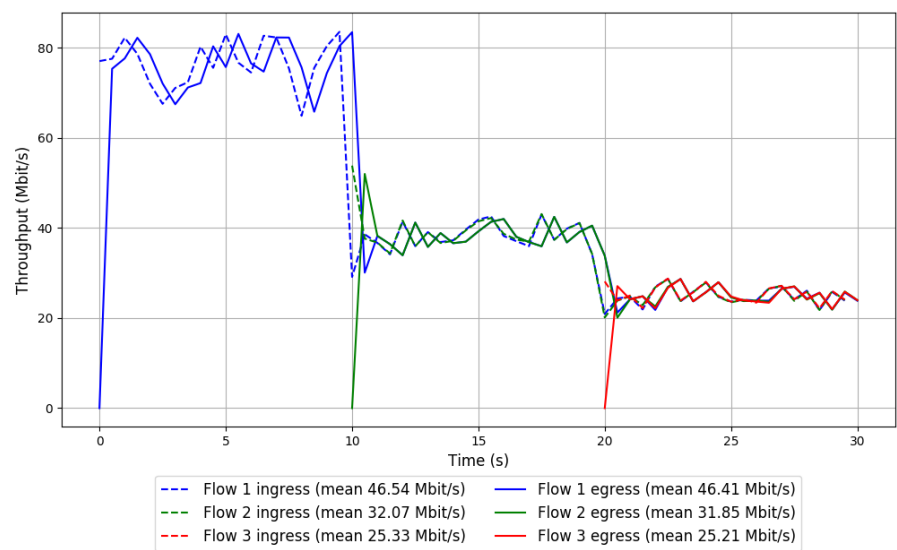


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 19:31:18
End at: 2018-08-22 19:31:48
Local clock offset: -3.27 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-08-22 22:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 20.131 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 20.054 ms
Loss rate: 0.54%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-22 19:50:15

End at: 2018-08-22 19:50:45

Local clock offset: -3.033 ms

Remote clock offset: 0.607 ms

Below is generated by plot.py at 2018-08-22 22:14:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 21.500 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 22.342 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 21.214 ms

Loss rate: 0.36%

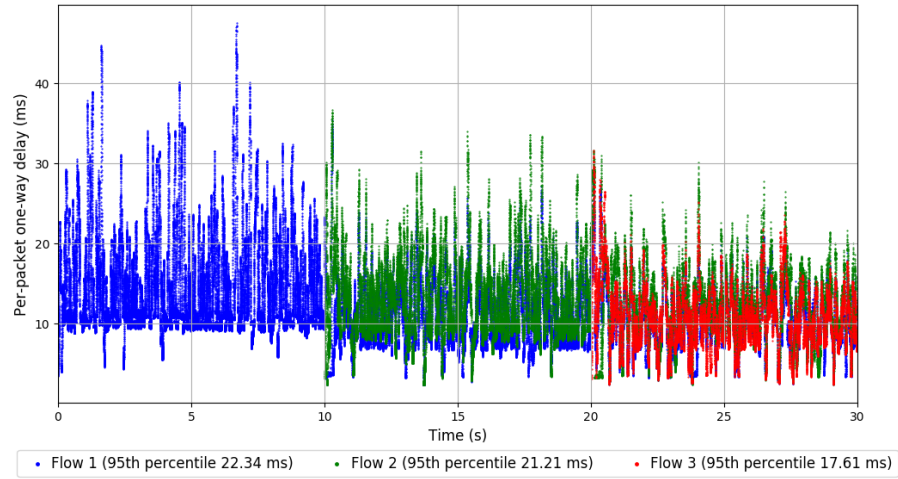
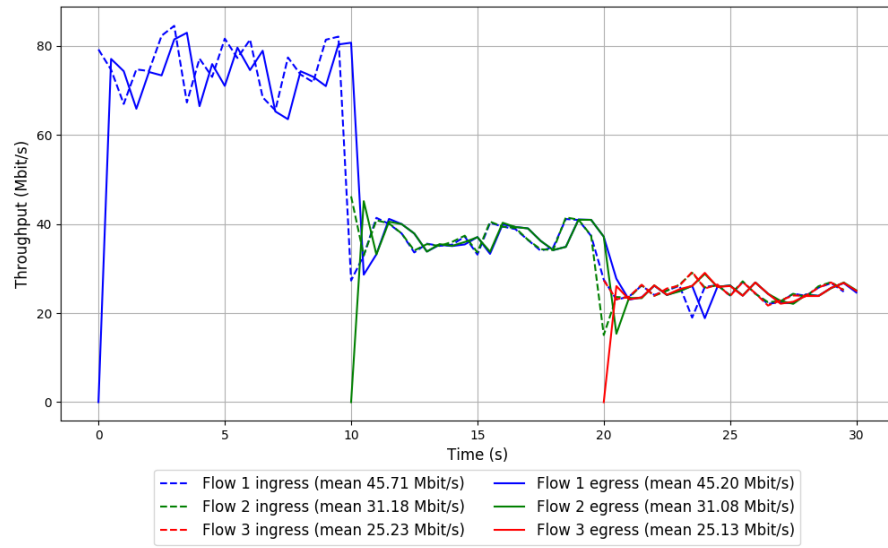
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 17.611 ms

Loss rate: 0.43%

Run 3: Report of TCP BBR — Data Link

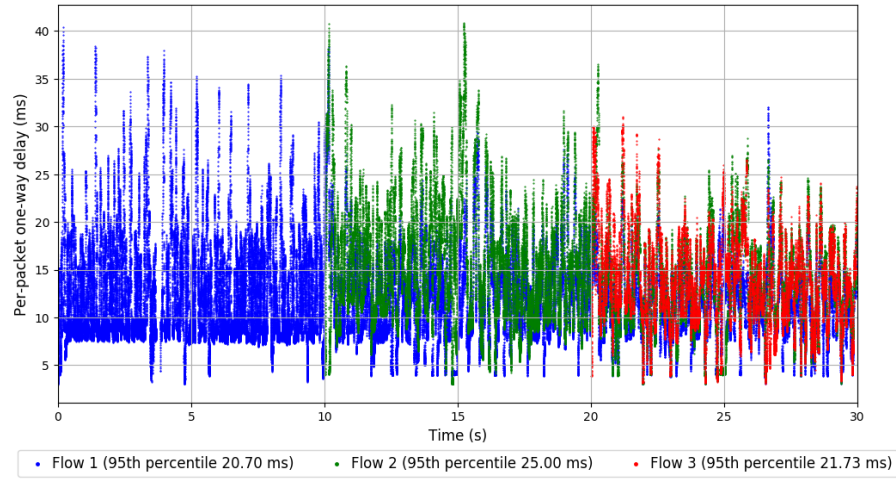
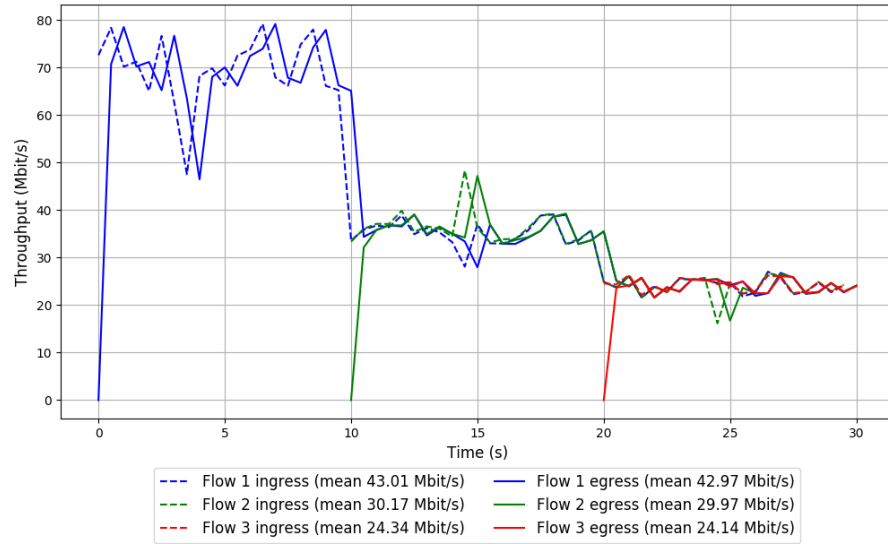


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 20:09:15
End at: 2018-08-22 20:09:45
Local clock offset: -2.349 ms
Remote clock offset: -11.77 ms

Below is generated by plot.py at 2018-08-22 22:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.96 Mbit/s
95th percentile per-packet one-way delay: 22.421 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 20.704 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 25.001 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 21.725 ms
Loss rate: 0.86%

Run 4: Report of TCP BBR — Data Link

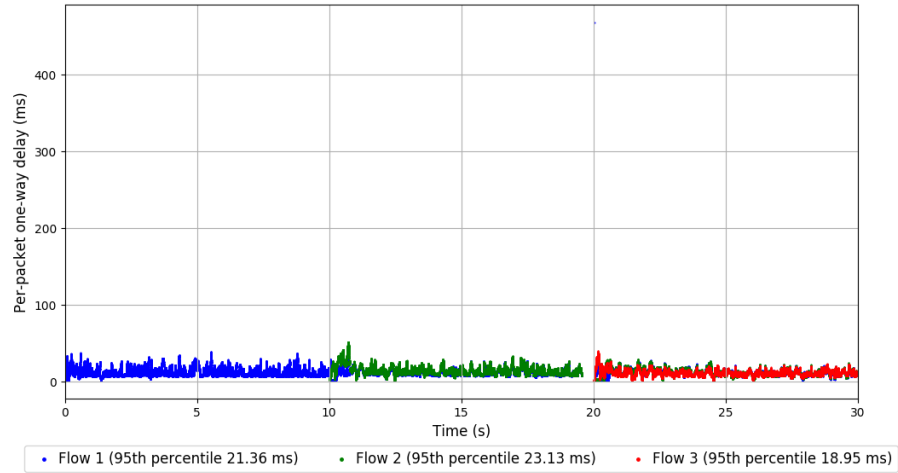
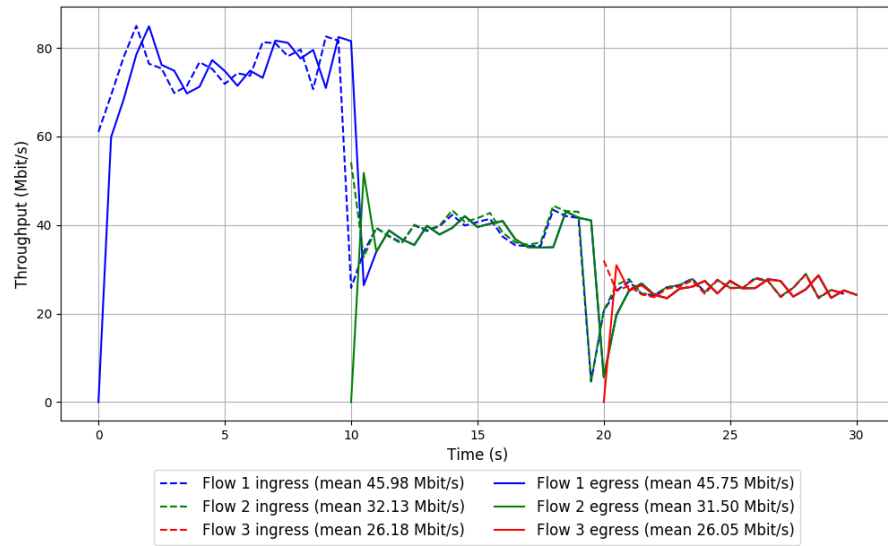


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 20:28:20
End at: 2018-08-22 20:28:50
Local clock offset: -4.92 ms
Remote clock offset: -15.058 ms

Below is generated by plot.py at 2018-08-22 22:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 21.730 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 21.359 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 18.948 ms
Loss rate: 0.53%

Run 5: Report of TCP BBR — Data Link

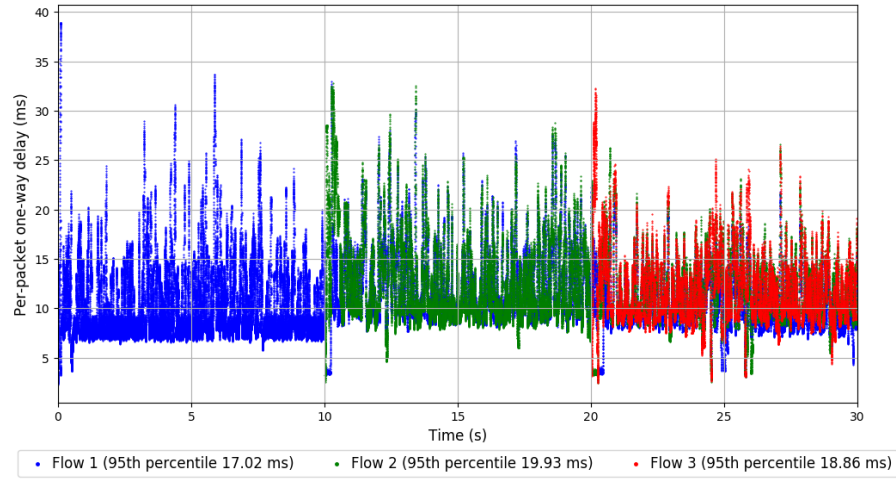
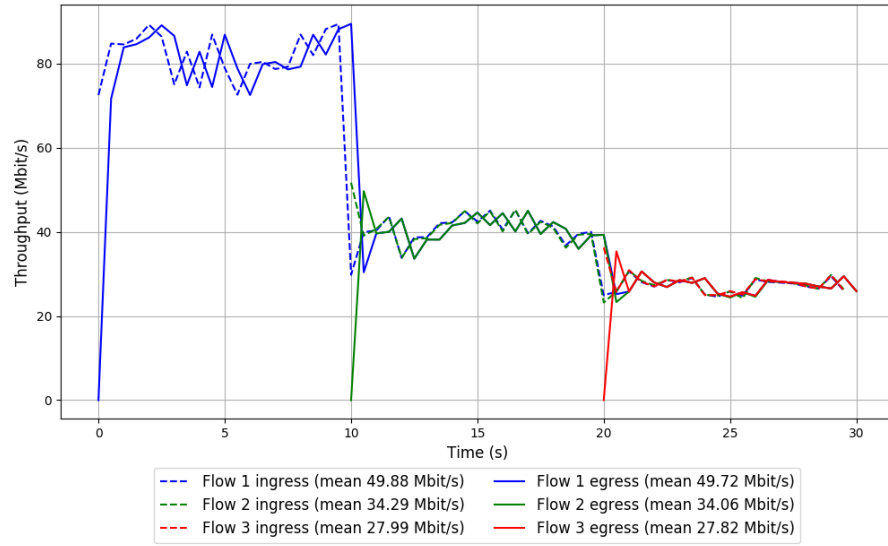


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 20:47:21
End at: 2018-08-22 20:47:51
Local clock offset: -7.134 ms
Remote clock offset: -16.999 ms

Below is generated by plot.py at 2018-08-22 22:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 18.269 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 17.023 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 18.859 ms
Loss rate: 0.66%

Run 6: Report of TCP BBR — Data Link

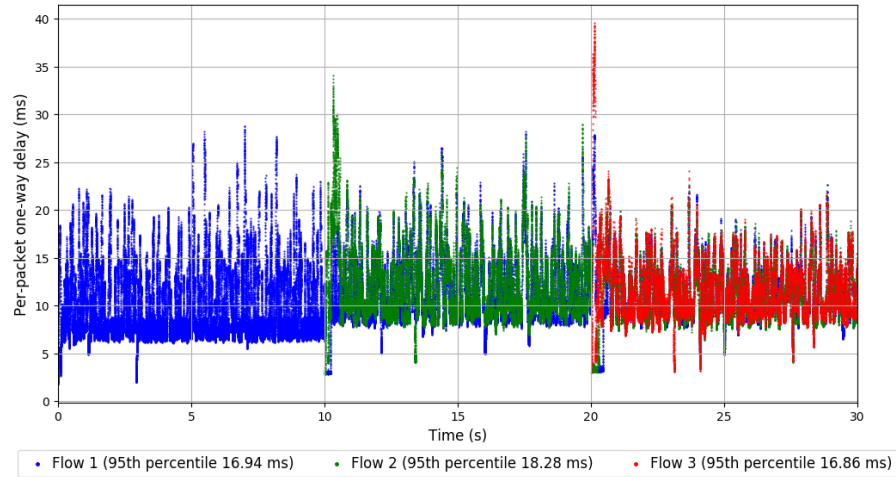
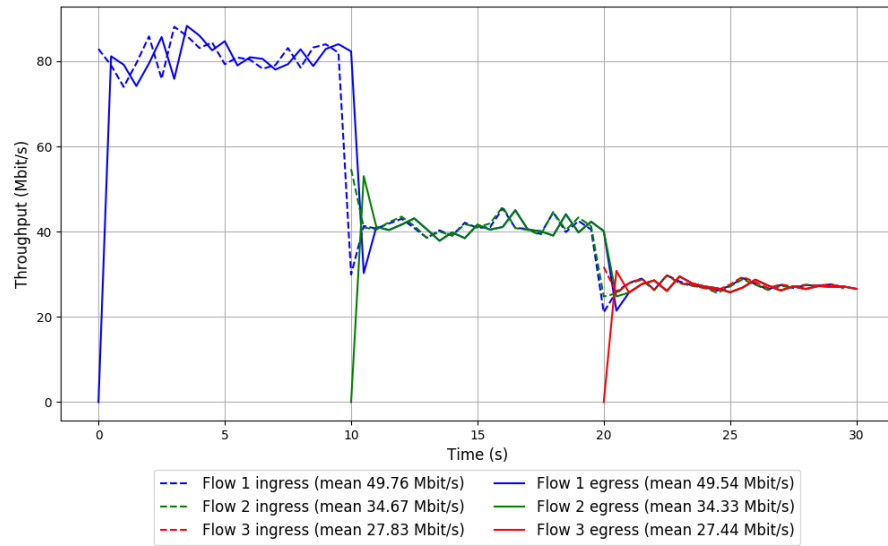


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 21:06:23
End at: 2018-08-22 21:06:53
Local clock offset: -9.676 ms
Remote clock offset: -9.106 ms

Below is generated by plot.py at 2018-08-22 22:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 17.315 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 16.937 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 18.284 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 16.863 ms
Loss rate: 1.43%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-22 21:25:23

End at: 2018-08-22 21:25:53

Local clock offset: -9.02 ms

Remote clock offset: 1.059 ms

Below is generated by plot.py at 2018-08-22 22:14:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 16.549 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 17.292 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 33.25 Mbit/s

95th percentile per-packet one-way delay: 15.665 ms

Loss rate: 0.10%

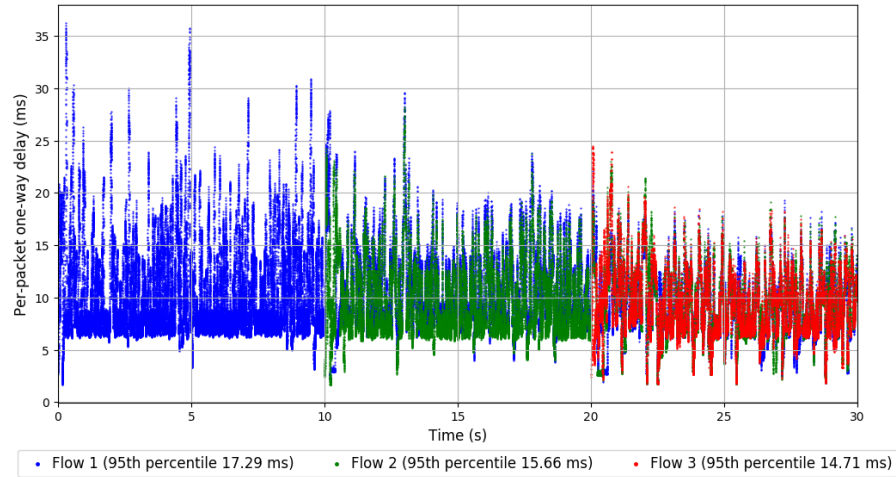
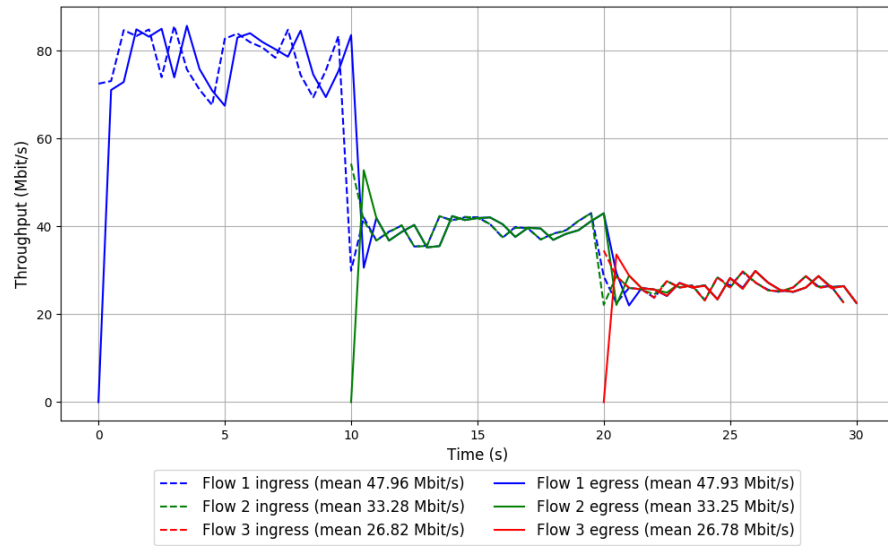
-- Flow 3:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 14.708 ms

Loss rate: 0.19%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

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

Local clock offset: -6.607 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-08-22 22:15:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 10.176 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 10.079 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 10.398 ms

Loss rate: 0.84%

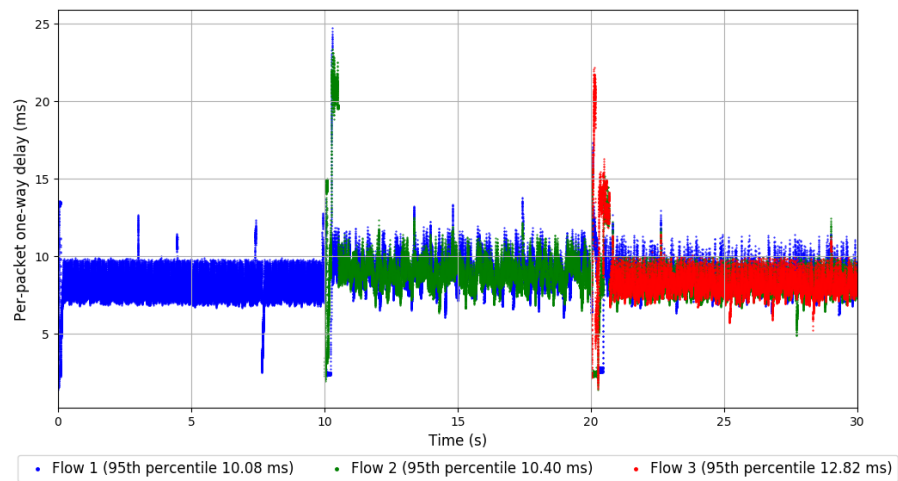
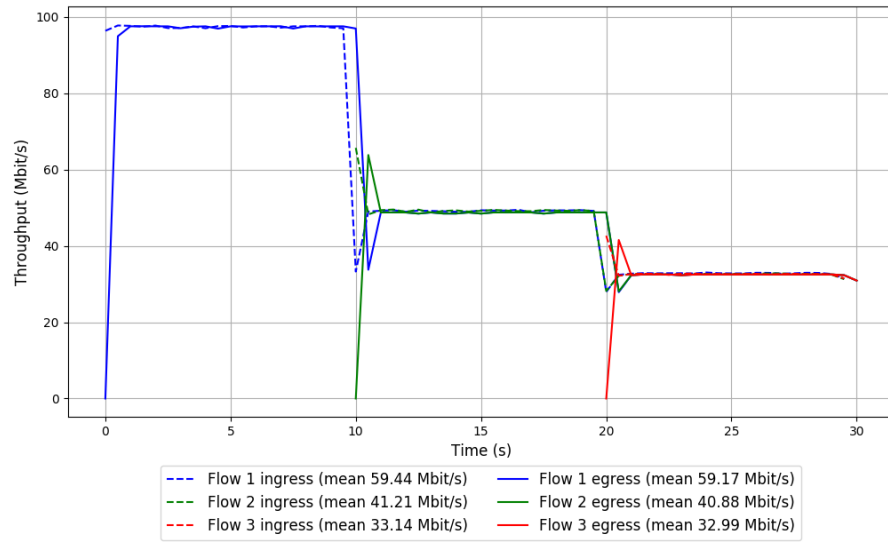
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 12.824 ms

Loss rate: 0.53%

Run 9: Report of TCP BBR — Data Link

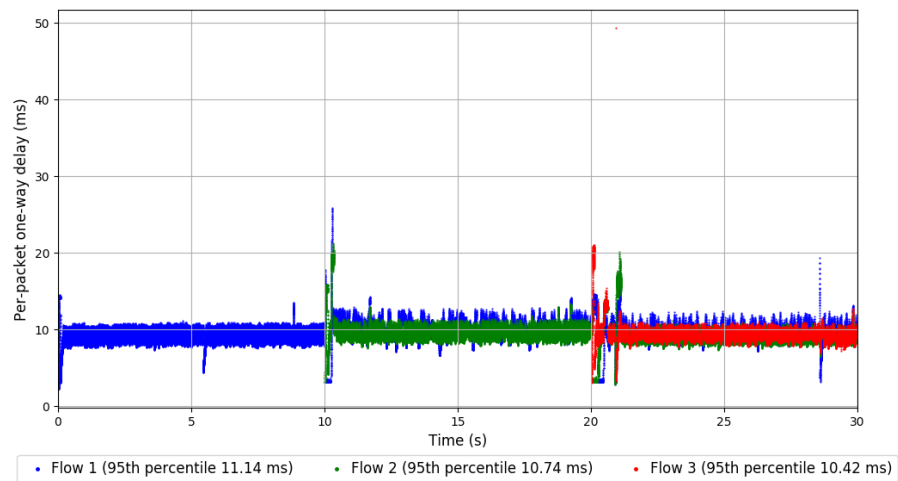
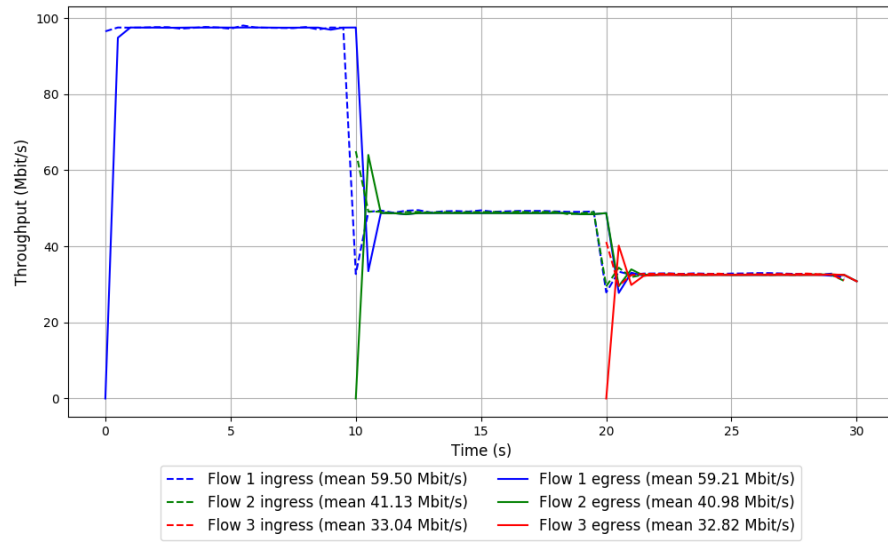


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 22:03:32
End at: 2018-08-22 22:04:02
Local clock offset: -3.752 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2018-08-22 22:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 11.026 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 11.138 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 10.743 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 10.423 ms
Loss rate: 0.70%

Run 10: Report of TCP BBR — Data Link

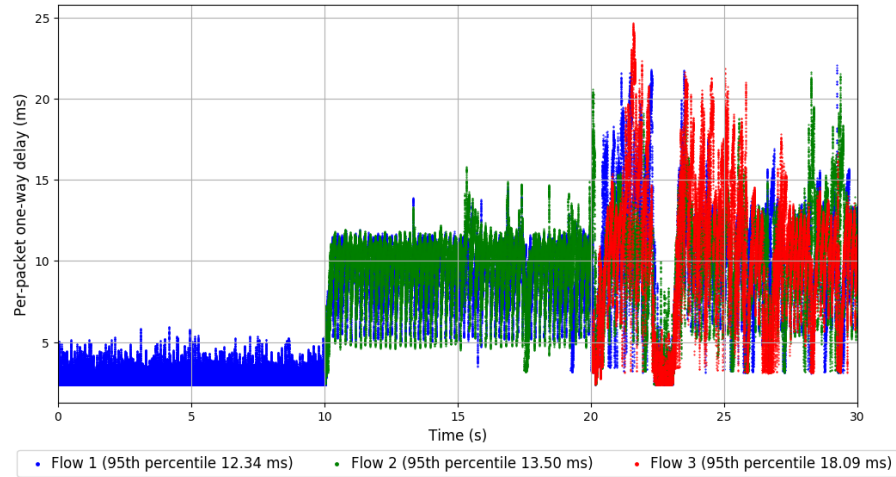
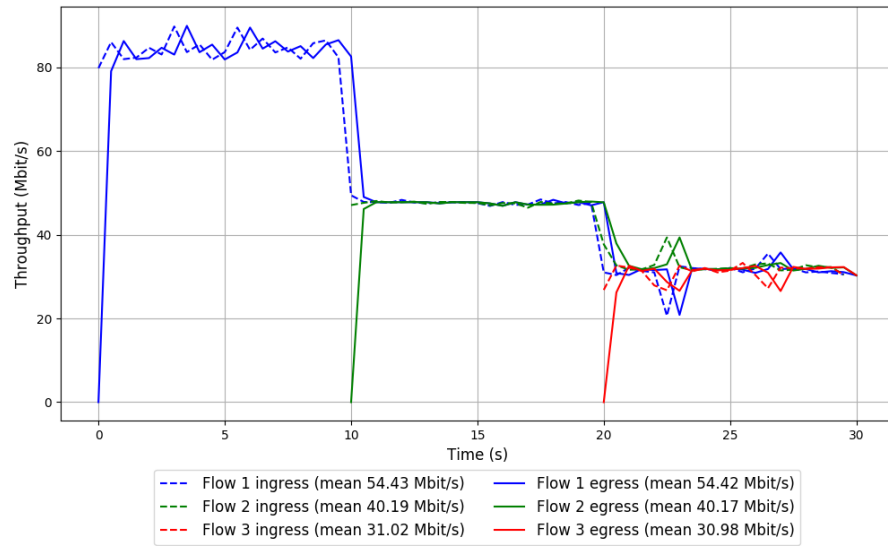


Run 1: Statistics of Copa

Start at: 2018-08-22 19:07:51
End at: 2018-08-22 19:08:21
Local clock offset: -2.586 ms
Remote clock offset: -7.988 ms

Below is generated by plot.py at 2018-08-22 22:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 13.831 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 12.339 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 13.498 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 18.091 ms
Loss rate: 0.16%

Run 1: Report of Copa — Data Link

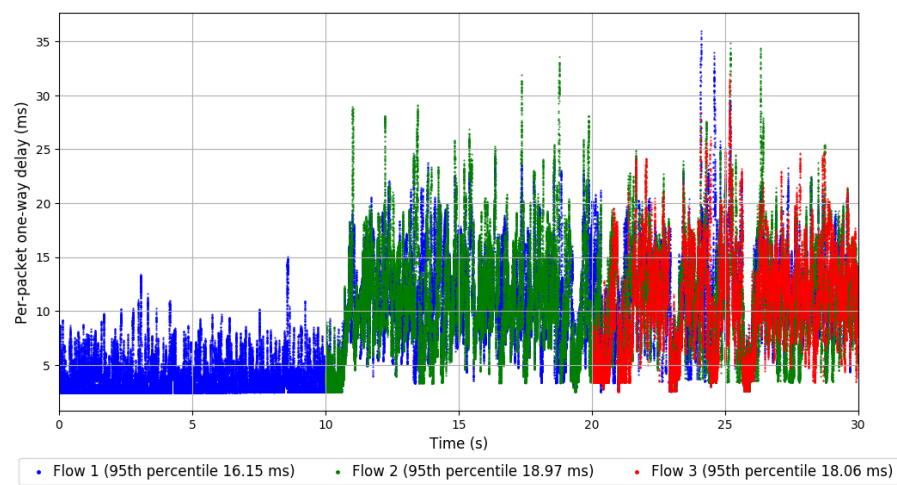
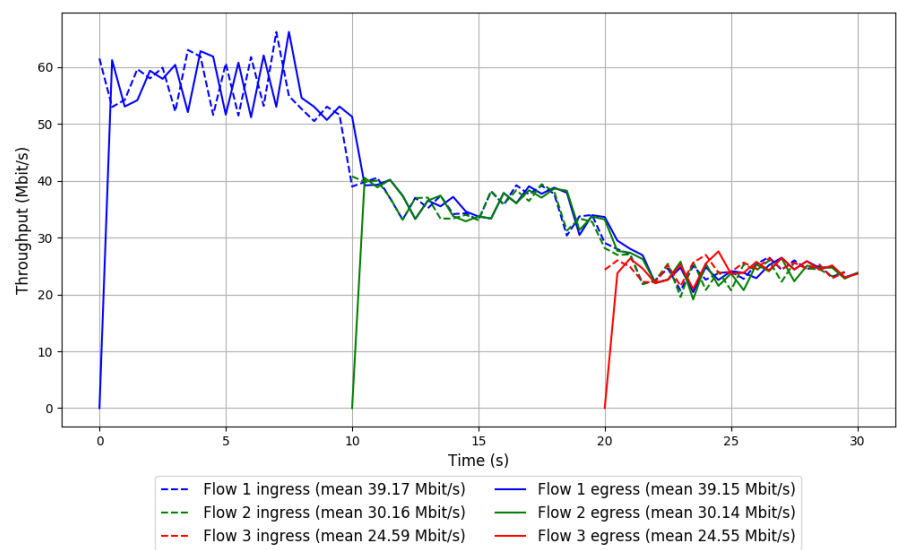


Run 2: Statistics of Copa

Start at: 2018-08-22 19:26:51
End at: 2018-08-22 19:27:21
Local clock offset: -3.26 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-08-22 22:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 17.412 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 16.150 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 18.969 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 18.056 ms
Loss rate: 0.18%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-22 19:45:48

End at: 2018-08-22 19:46:18

Local clock offset: -3.038 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-22 22:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.59 Mbit/s

95th percentile per-packet one-way delay: 17.844 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 16.665 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.32 Mbit/s

95th percentile per-packet one-way delay: 18.742 ms

Loss rate: 0.08%

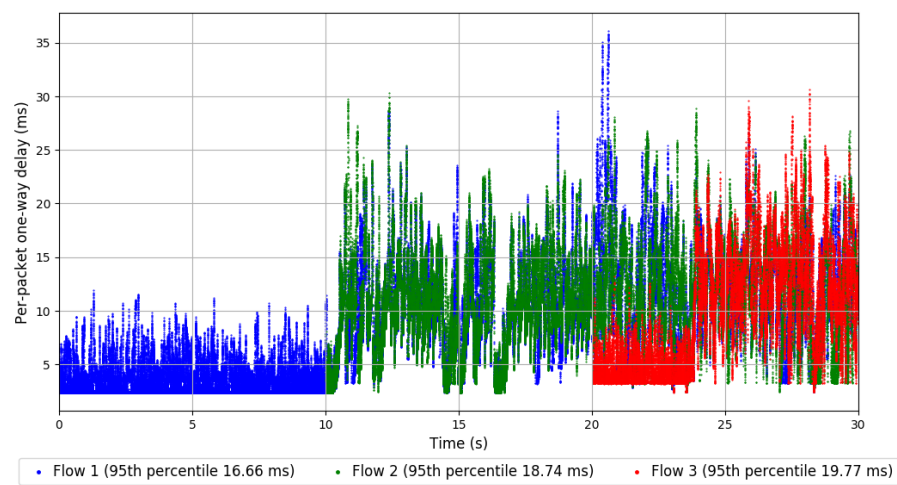
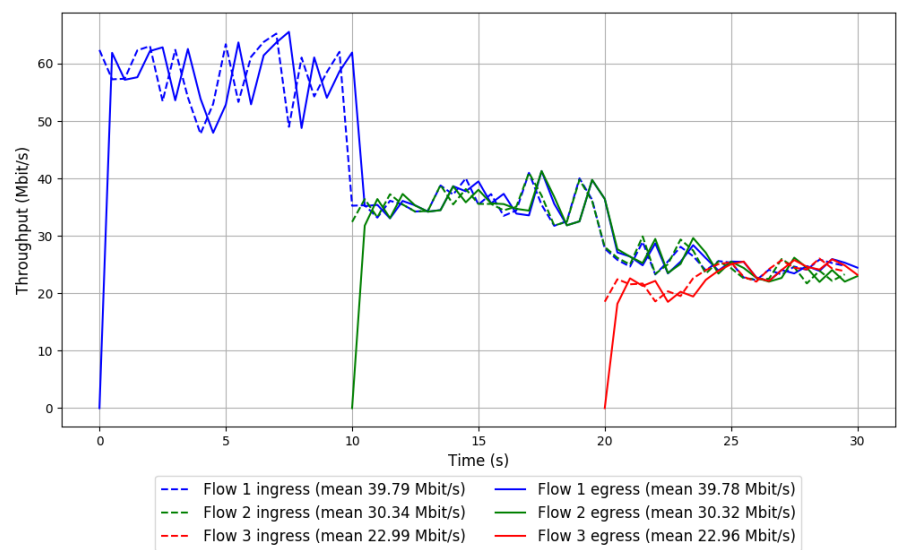
-- Flow 3:

Average throughput: 22.96 Mbit/s

95th percentile per-packet one-way delay: 19.770 ms

Loss rate: 0.17%

Run 3: Report of Copa — Data Link

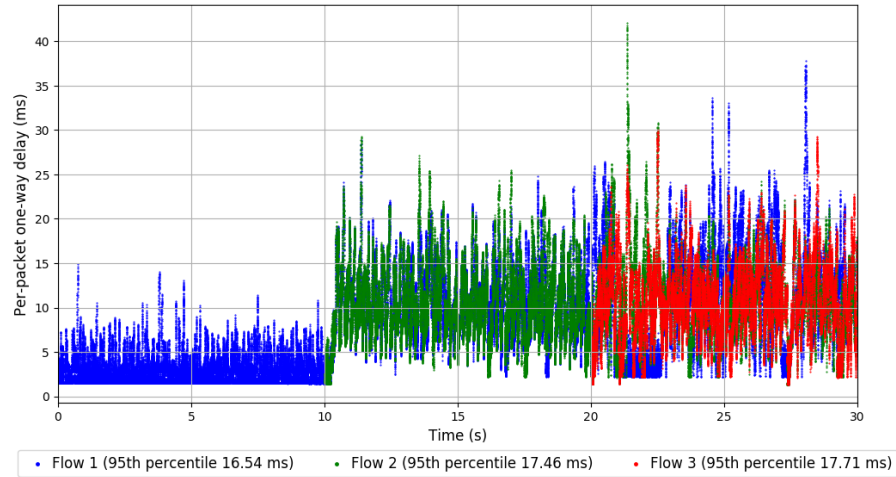
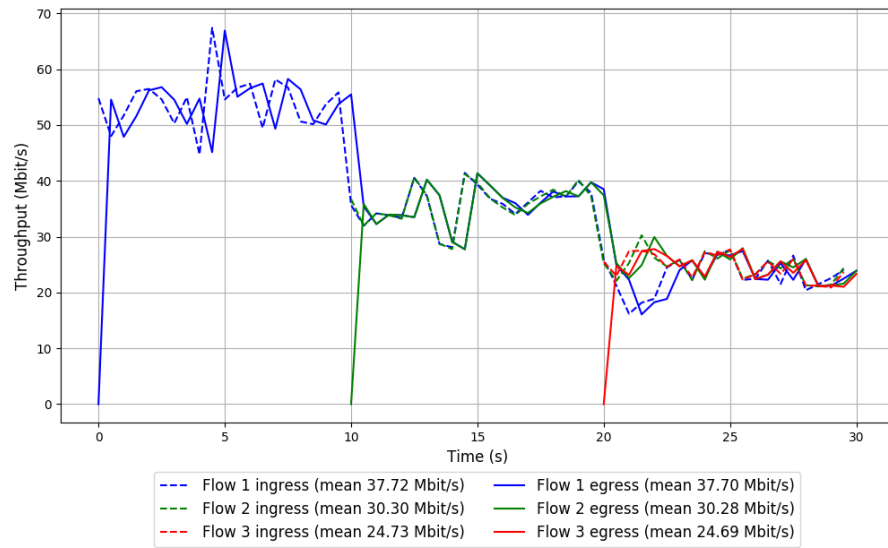


Run 4: Statistics of Copa

Start at: 2018-08-22 20:04:48
End at: 2018-08-22 20:05:18
Local clock offset: -3.576 ms
Remote clock offset: -10.303 ms

Below is generated by plot.py at 2018-08-22 22:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 17.062 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 16.539 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 17.459 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 17.712 ms
Loss rate: 0.18%

Run 4: Report of Copa — Data Link

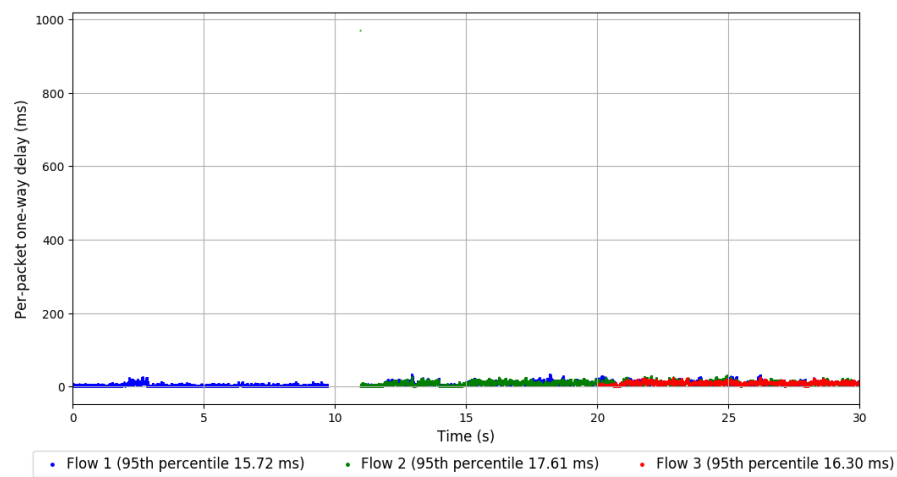
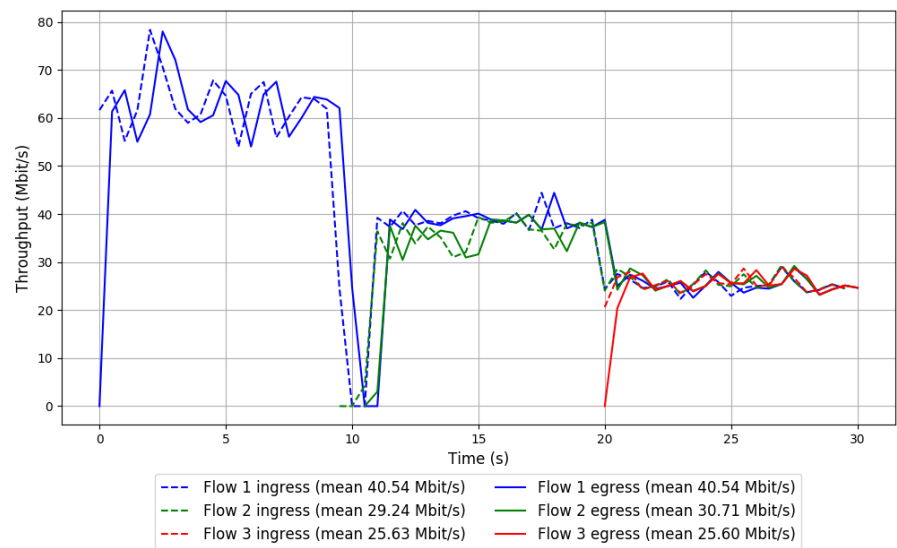


Run 5: Statistics of Copa

Start at: 2018-08-22 20:23:53
End at: 2018-08-22 20:24:23
Local clock offset: -4.778 ms
Remote clock offset: -14.526 ms

Below is generated by plot.py at 2018-08-22 22:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 16.598 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 15.718 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 17.613 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 16.297 ms
Loss rate: 0.18%

Run 5: Report of Copa — Data Link

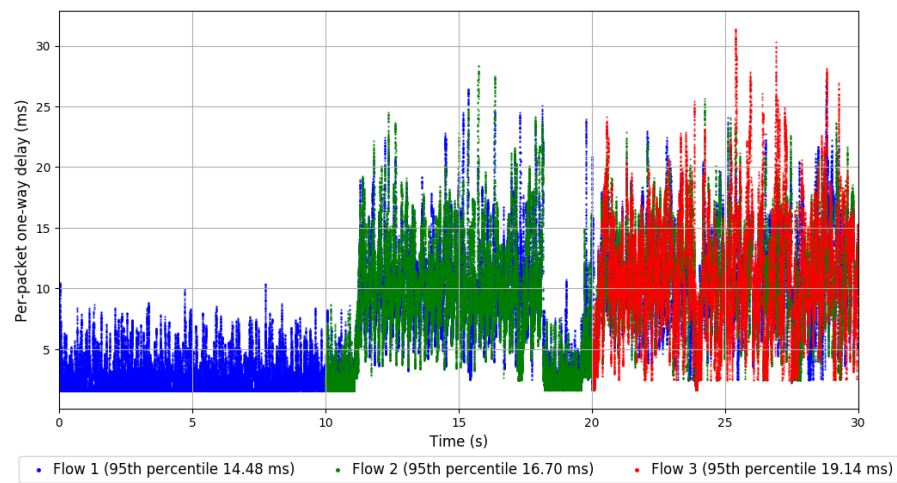
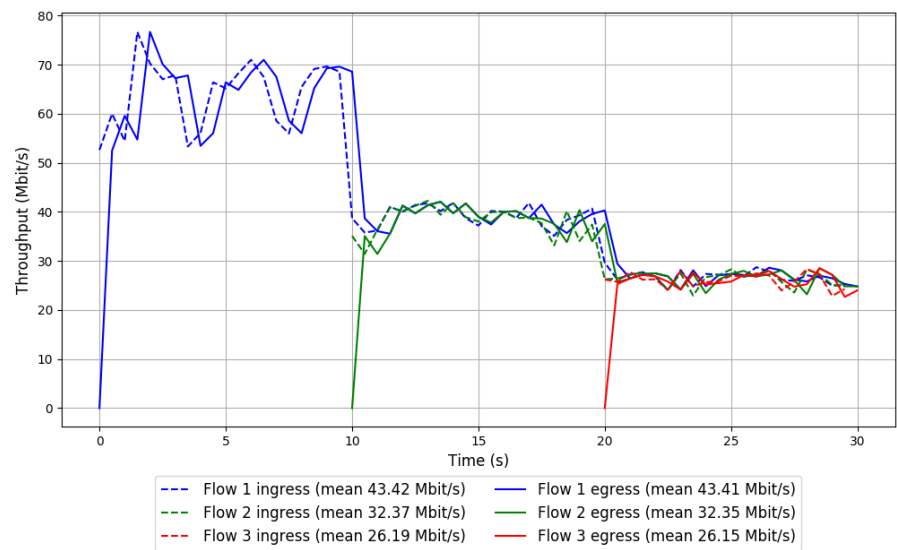


Run 6: Statistics of Copa

Start at: 2018-08-22 20:42:54
End at: 2018-08-22 20:43:24
Local clock offset: -7.03 ms
Remote clock offset: -16.515 ms

```
# Below is generated by plot.py at 2018-08-22 22:16:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 16.168 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 14.476 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 16.698 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.21%
```


Run 6: Report of Copa — Data Link

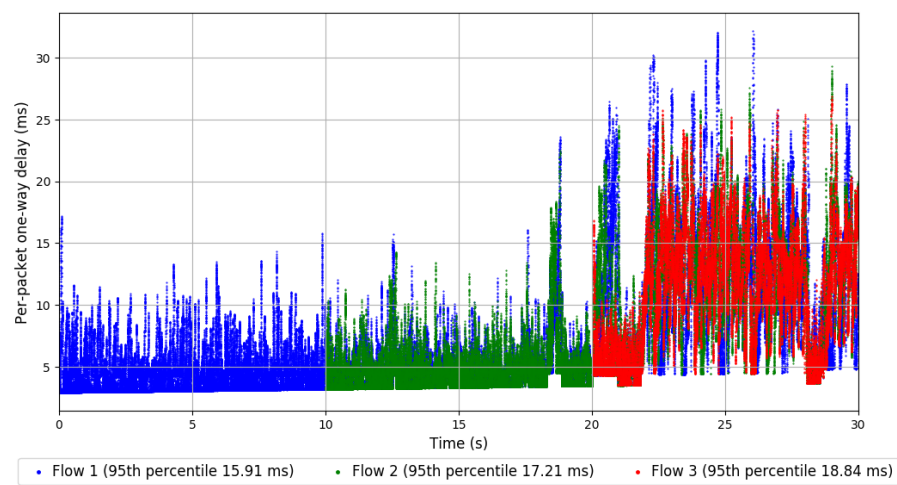
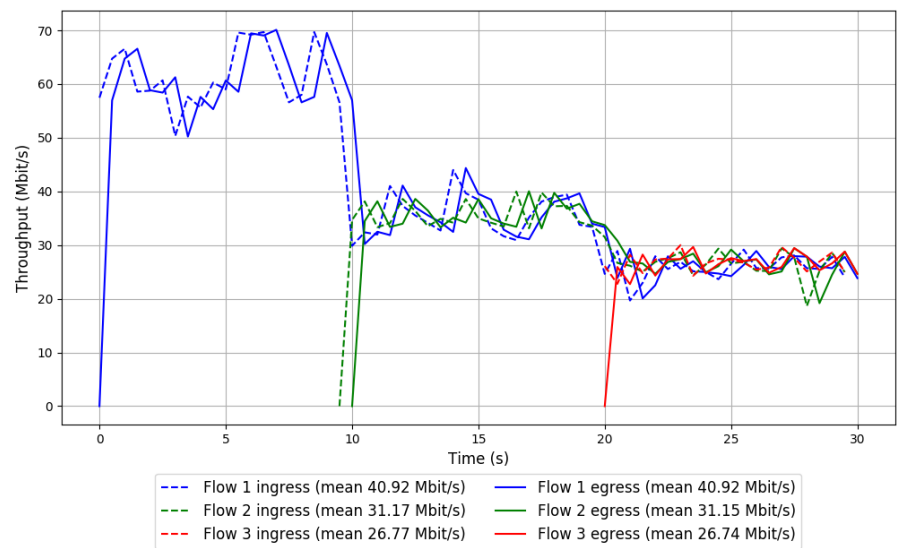


Run 7: Statistics of Copa

Start at: 2018-08-22 21:01:55
End at: 2018-08-22 21:02:25
Local clock offset: -8.576 ms
Remote clock offset: -15.162 ms

Below is generated by plot.py at 2018-08-22 22:16:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 17.070 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 17.209 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.19%

Run 7: Report of Copa — Data Link

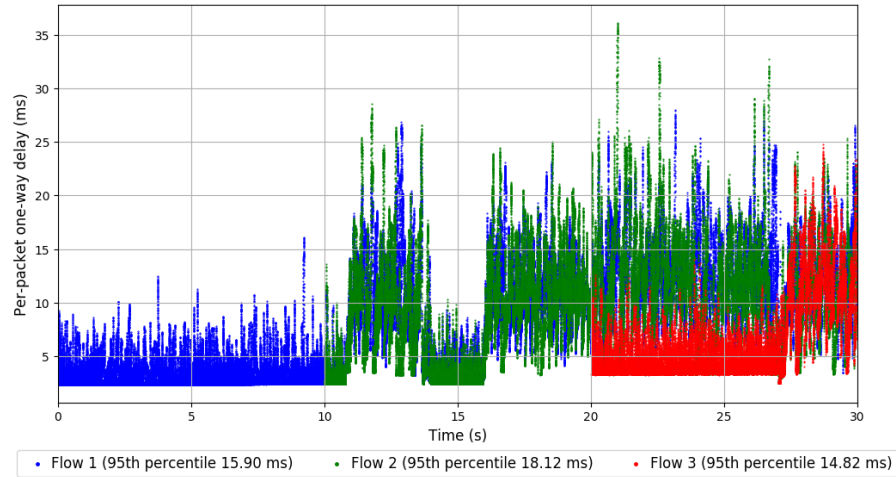
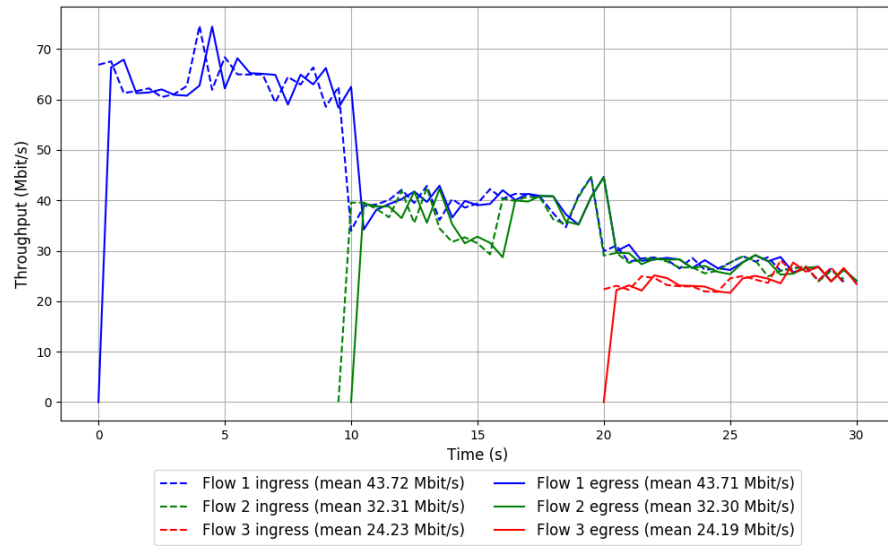


Run 8: Statistics of Copa

Start at: 2018-08-22 21:20:55
End at: 2018-08-22 21:21:25
Local clock offset: -8.228 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-22 22:16:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 16.573 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.71 Mbit/s
95th percentile per-packet one-way delay: 15.902 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 18.125 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 14.816 ms
Loss rate: 0.18%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-22 21:39:55

End at: 2018-08-22 21:40:25

Local clock offset: -7.971 ms

Remote clock offset: 0.782 ms

Below is generated by plot.py at 2018-08-22 22:17:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 16.008 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 15.188 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 16.975 ms

Loss rate: 0.07%

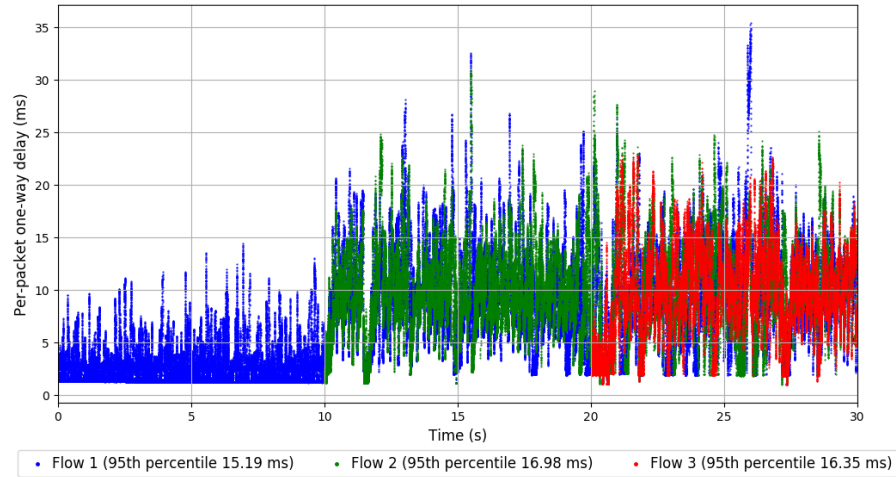
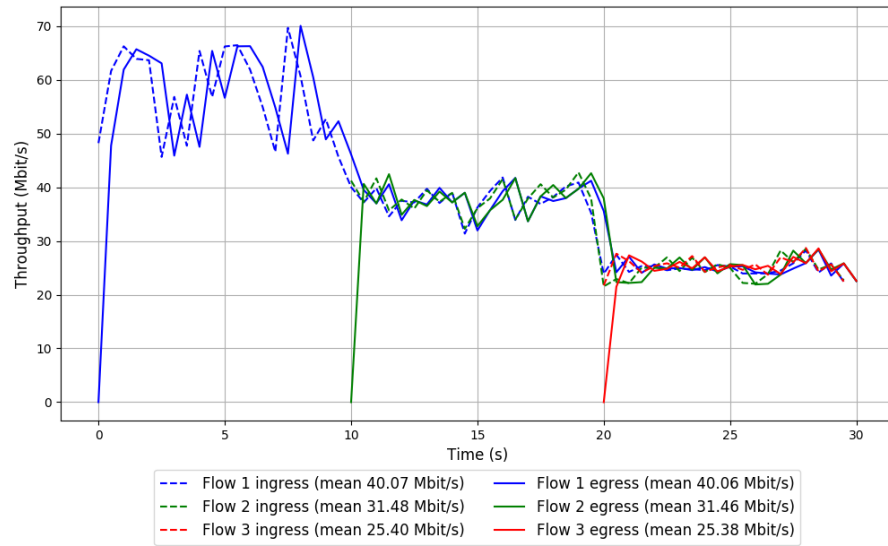
-- Flow 3:

Average throughput: 25.38 Mbit/s

95th percentile per-packet one-way delay: 16.347 ms

Loss rate: 0.11%

Run 9: Report of Copa — Data Link

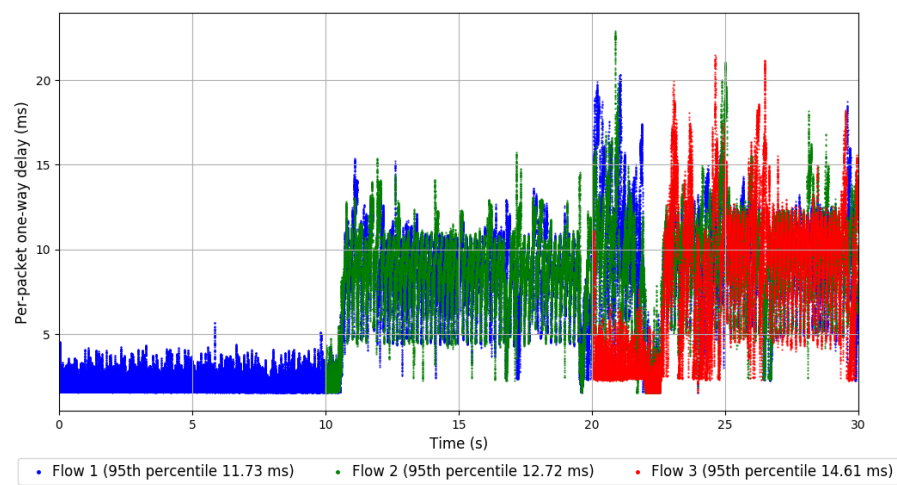
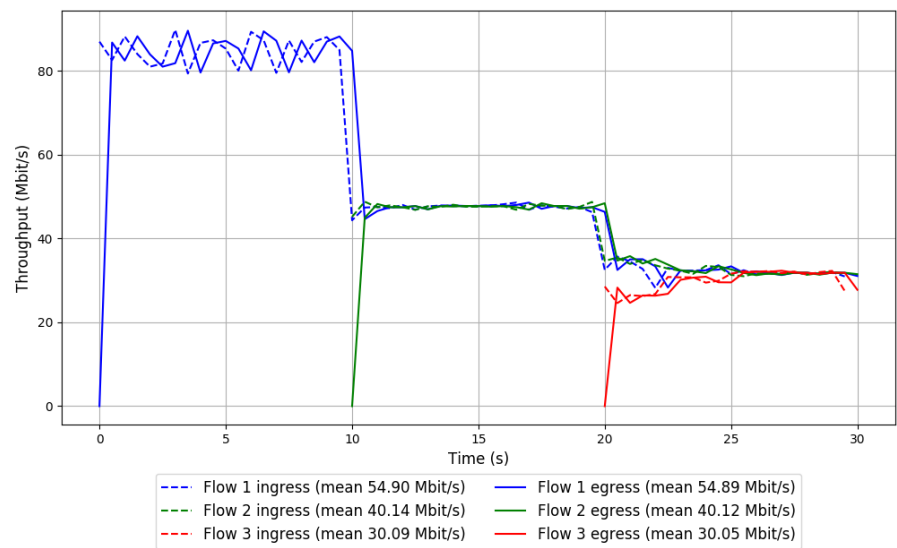


Run 10: Statistics of Copa

Start at: 2018-08-22 21:59:03
End at: 2018-08-22 21:59:33
Local clock offset: -4.768 ms
Remote clock offset: -0.931 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 12.361 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 11.728 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 12.718 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 14.612 ms
Loss rate: 0.19%

Run 10: Report of Copa — Data Link

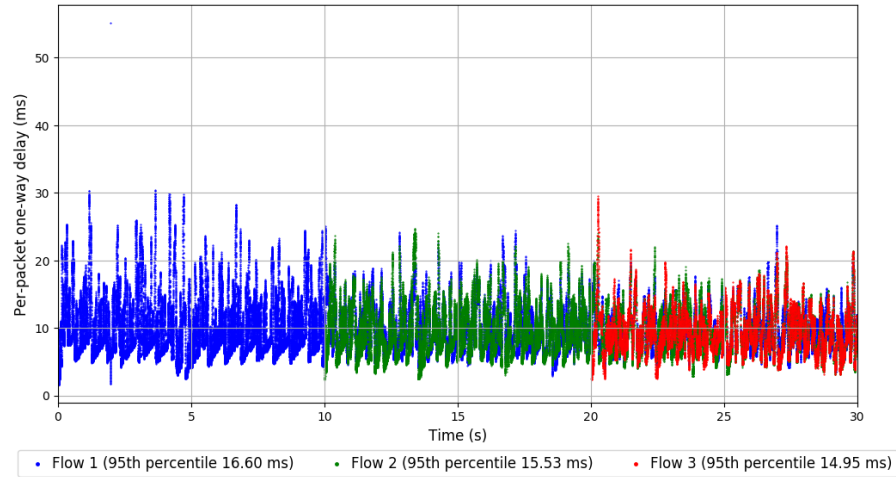
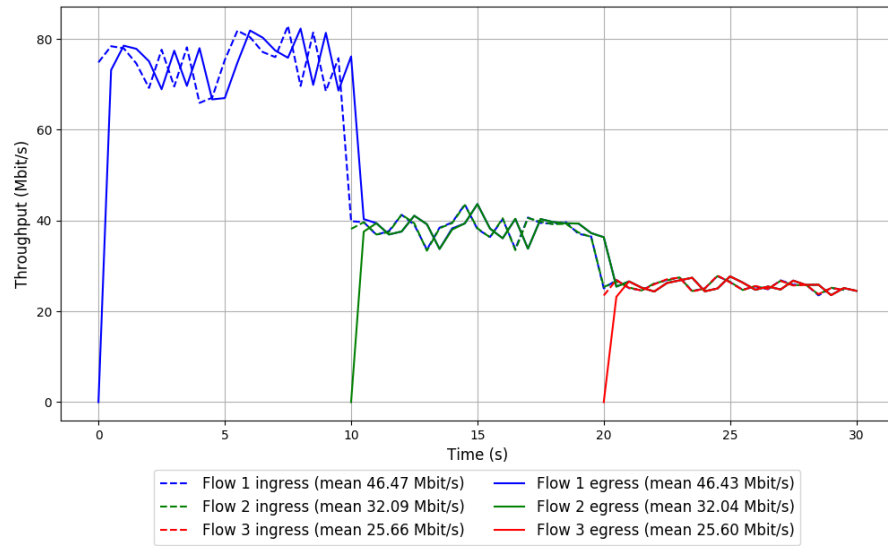


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 19:16:50
End at: 2018-08-22 19:17:20
Local clock offset: -3.856 ms
Remote clock offset: -8.548 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 16.071 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 16.604 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 15.529 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 14.949 ms
Loss rate: 0.28%

Run 1: Report of TCP Cubic — Data Link

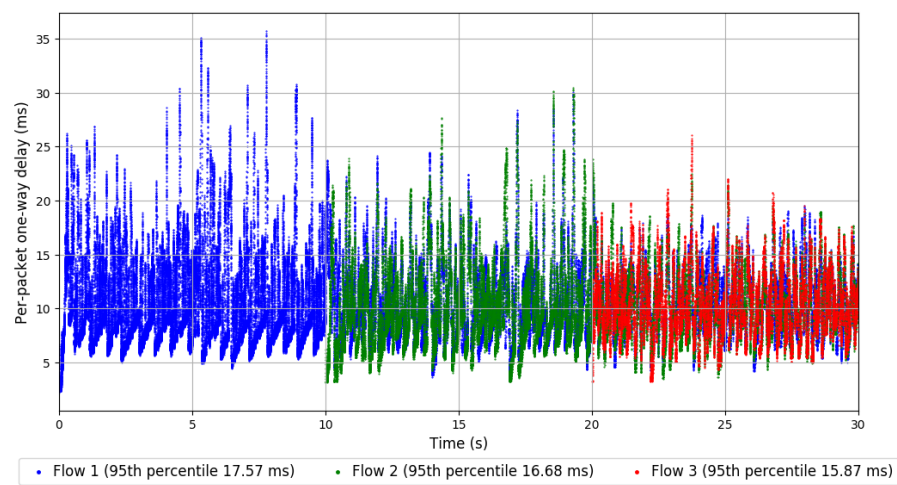
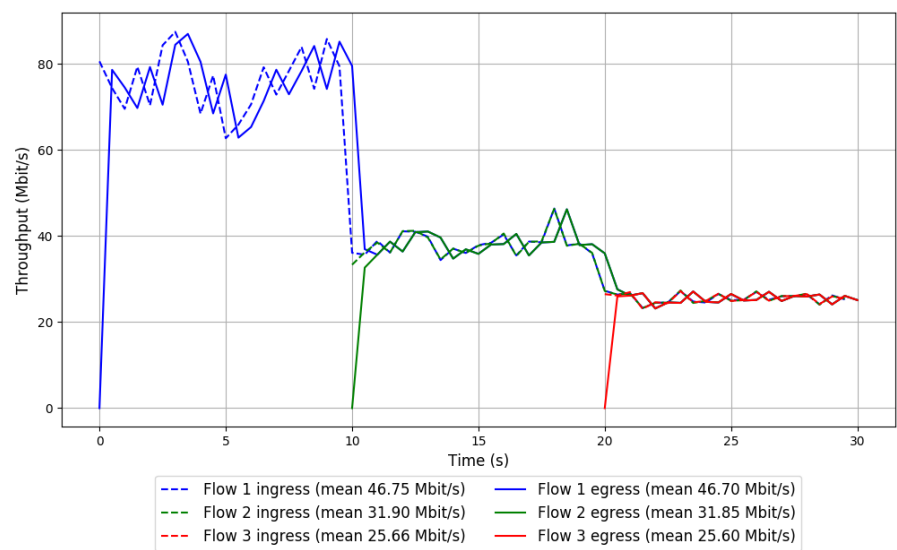


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 19:35:48
End at: 2018-08-22 19:36:18
Local clock offset: -3.257 ms
Remote clock offset: -1.289 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 17.566 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 16.682 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 15.865 ms
Loss rate: 0.30%

Run 2: Report of TCP Cubic — Data Link

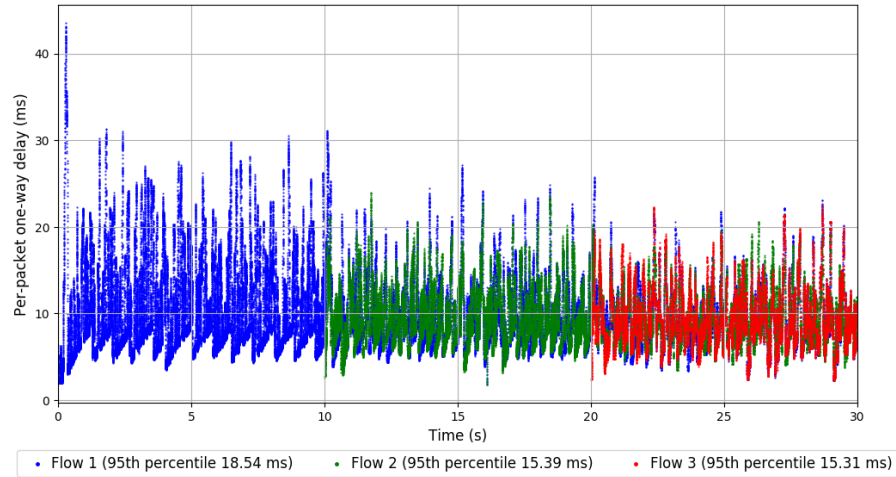
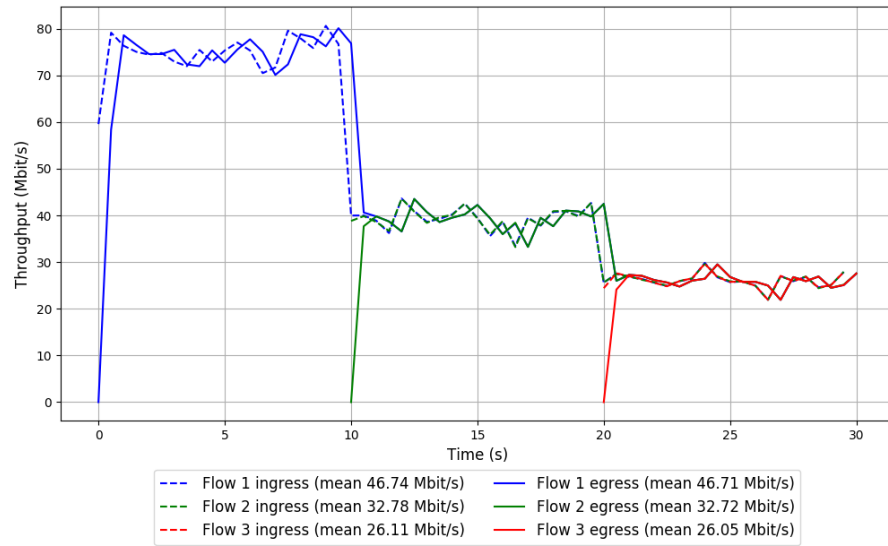


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 19:54:47
End at: 2018-08-22 19:55:17
Local clock offset: -2.907 ms
Remote clock offset: -2.899 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 17.128 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 18.544 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 15.392 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 15.306 ms
Loss rate: 0.29%

Run 3: Report of TCP Cubic — Data Link

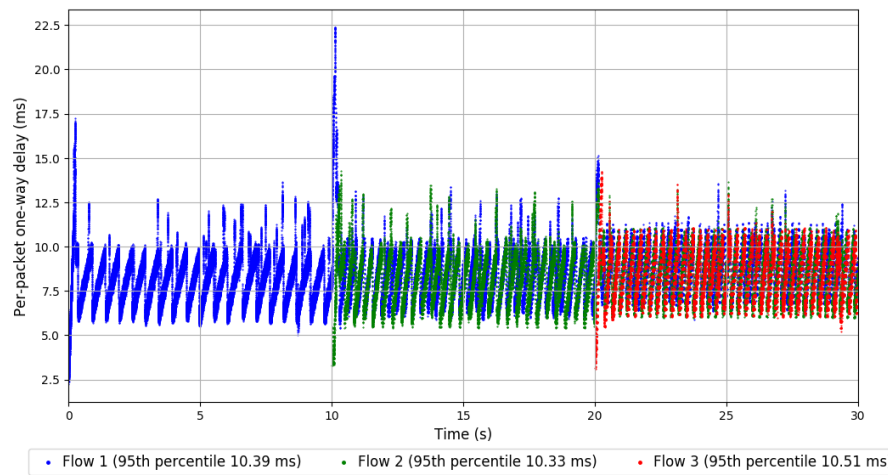
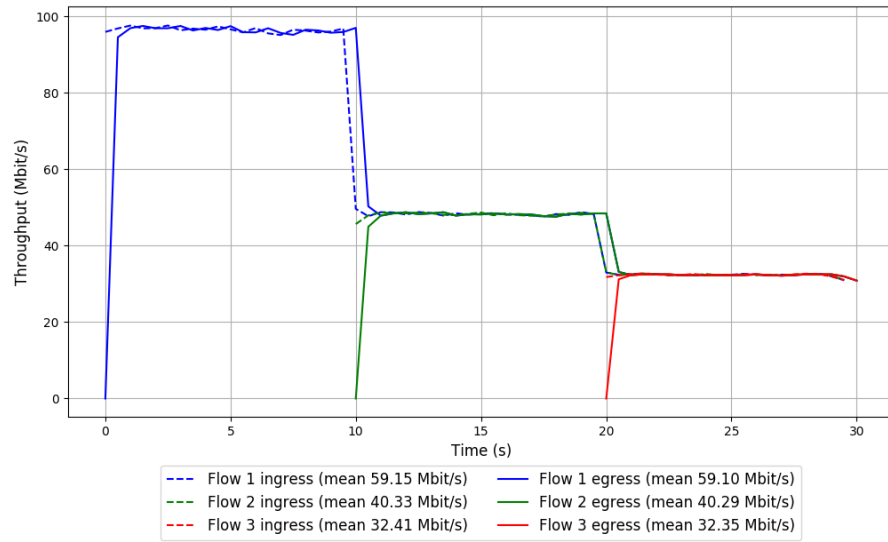


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 20:13:48
End at: 2018-08-22 20:14:18
Local clock offset: -3.558 ms
Remote clock offset: -12.931 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 10.415 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 10.394 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 10.509 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

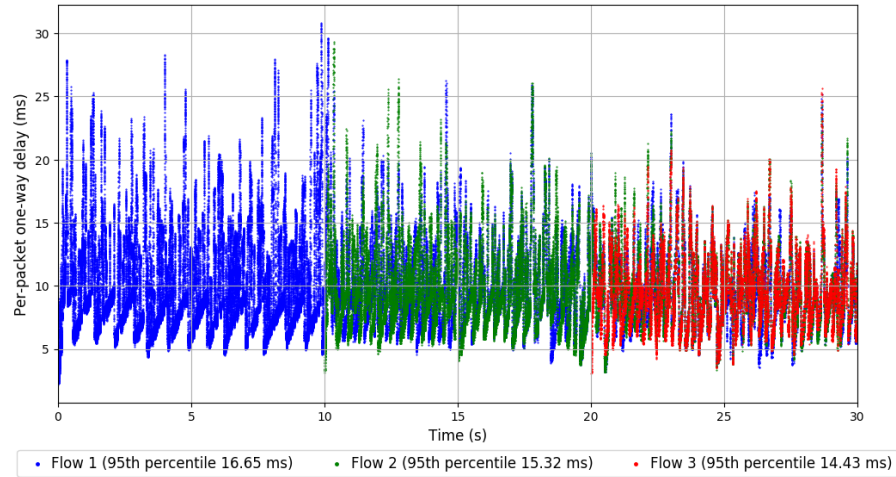
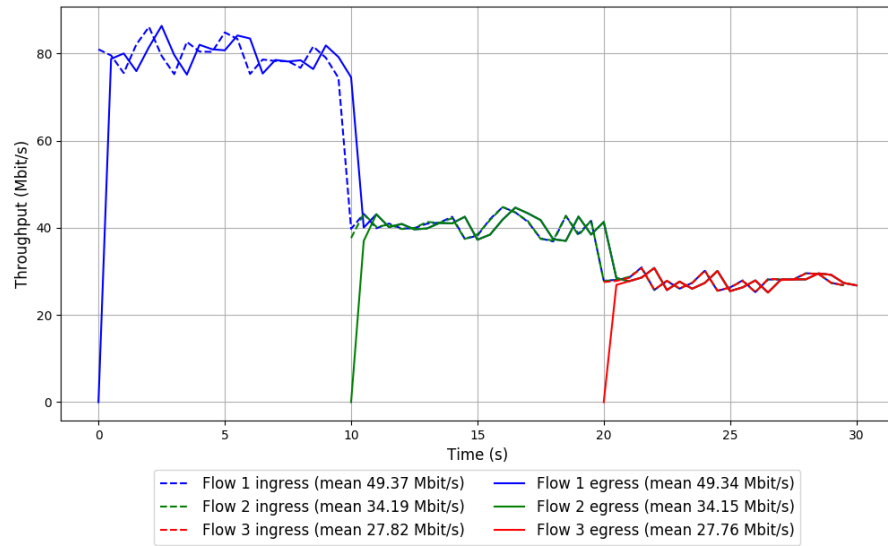


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 20:32:51
End at: 2018-08-22 20:33:21
Local clock offset: -4.244 ms
Remote clock offset: -15.543 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 15.945 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 16.647 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 15.317 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 14.426 ms
Loss rate: 0.27%

Run 5: Report of TCP Cubic — Data Link

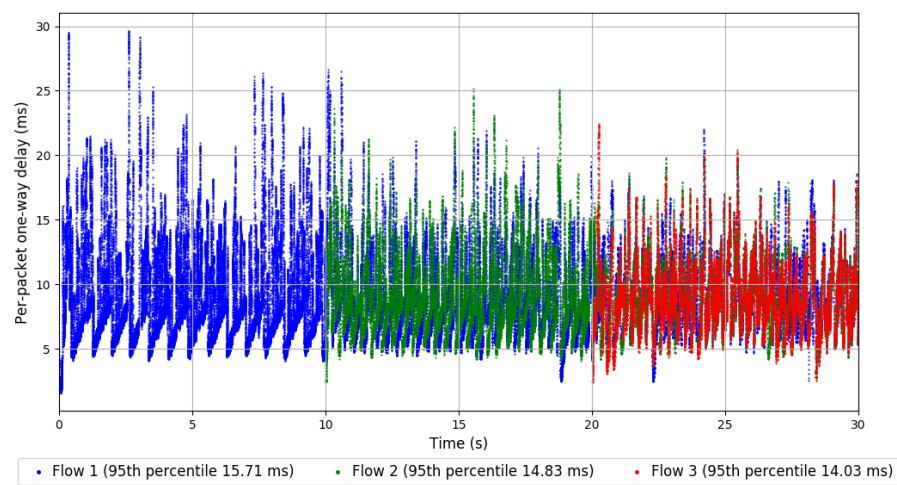
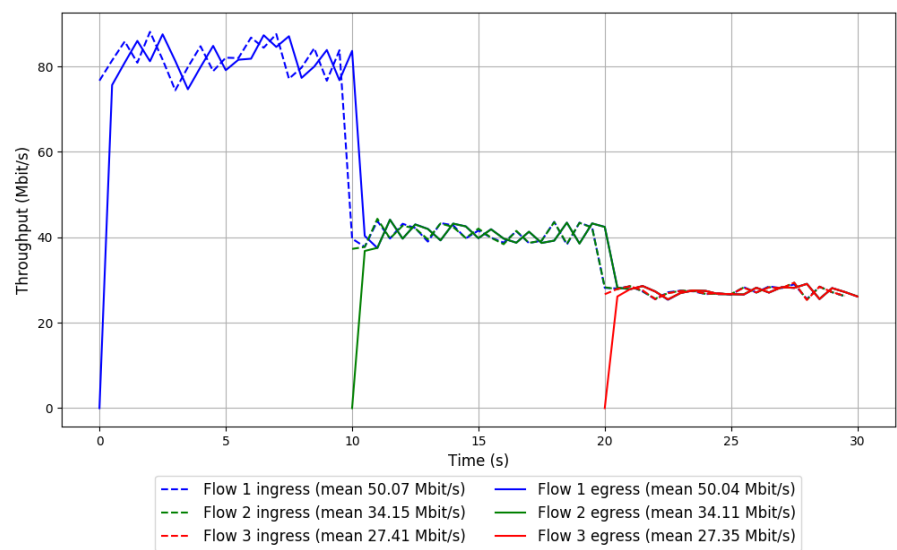


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 20:51:52
End at: 2018-08-22 20:52:22
Local clock offset: -8.446 ms
Remote clock offset: -17.338 ms

Below is generated by plot.py at 2018-08-22 22:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 15.211 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 15.715 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 14.827 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 14.028 ms
Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link

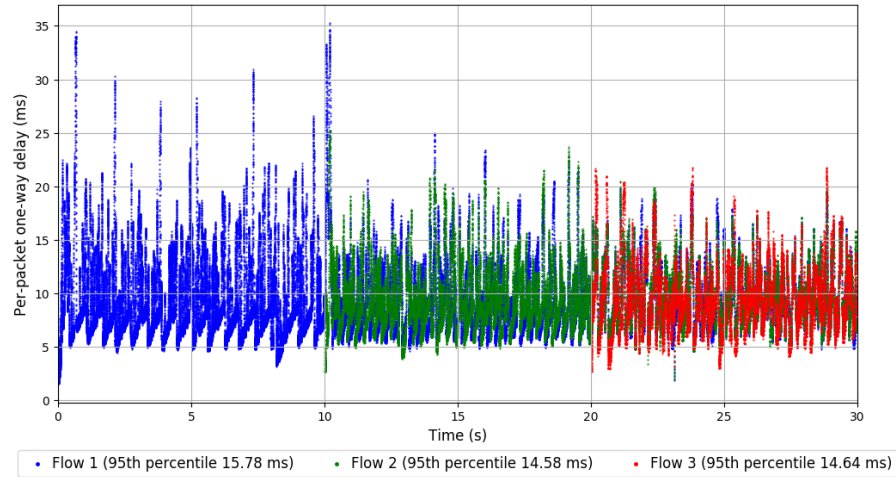
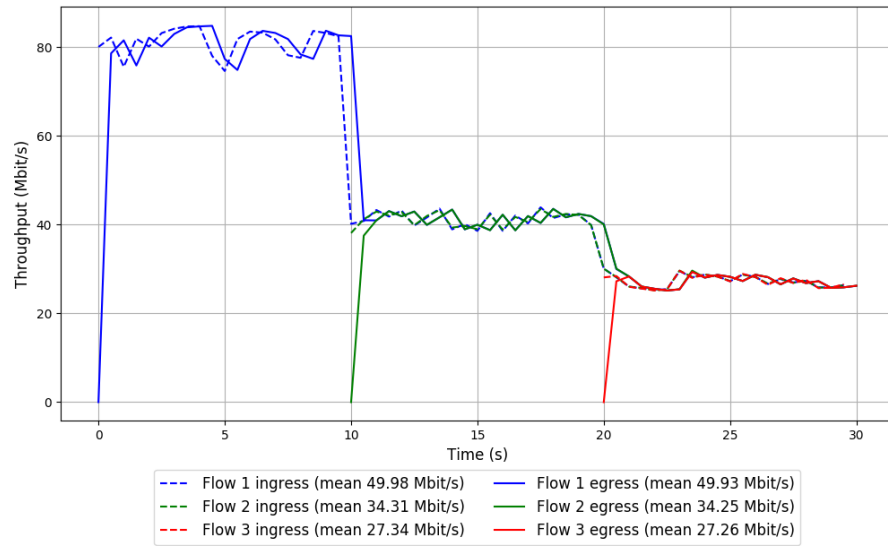


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 21:10:54
End at: 2018-08-22 21:11:24
Local clock offset: -9.279 ms
Remote clock offset: -5.119 ms

Below is generated by plot.py at 2018-08-22 22:17:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 15.339 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 14.581 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 14.644 ms
Loss rate: 0.34%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 21:29:53

End at: 2018-08-22 21:30:23

Local clock offset: -9.098 ms

Remote clock offset: 2.243 ms

Below is generated by plot.py at 2018-08-22 22:17:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 16.110 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 16.897 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 15.118 ms

Loss rate: 0.20%

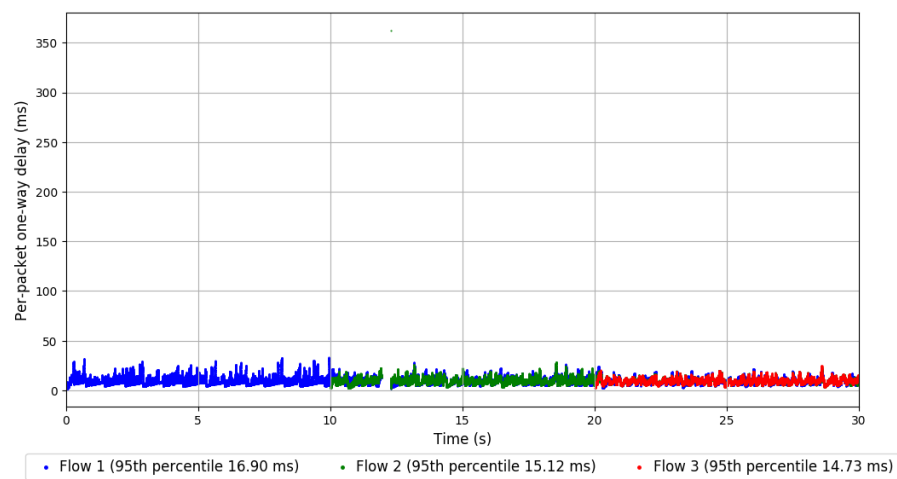
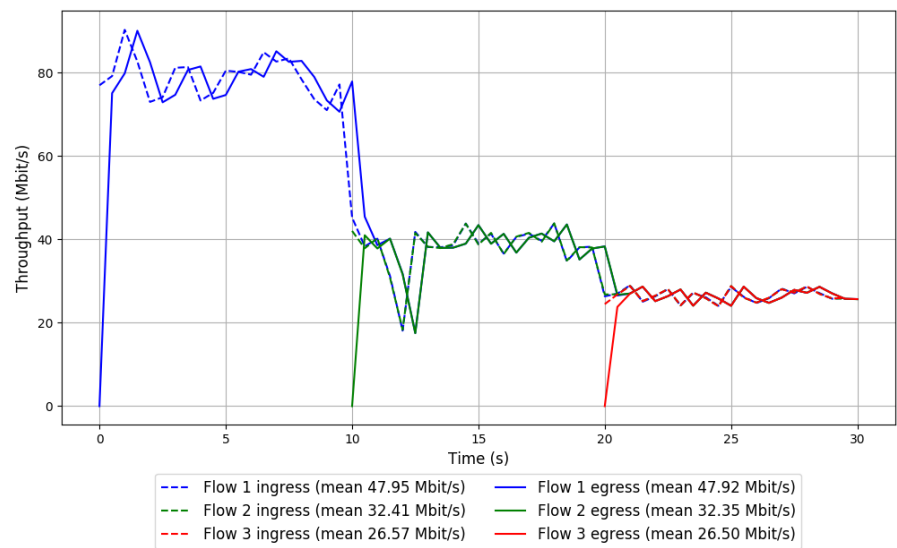
-- Flow 3:

Average throughput: 26.50 Mbit/s

95th percentile per-packet one-way delay: 14.728 ms

Loss rate: 0.33%

Run 8: Report of TCP Cubic — Data Link

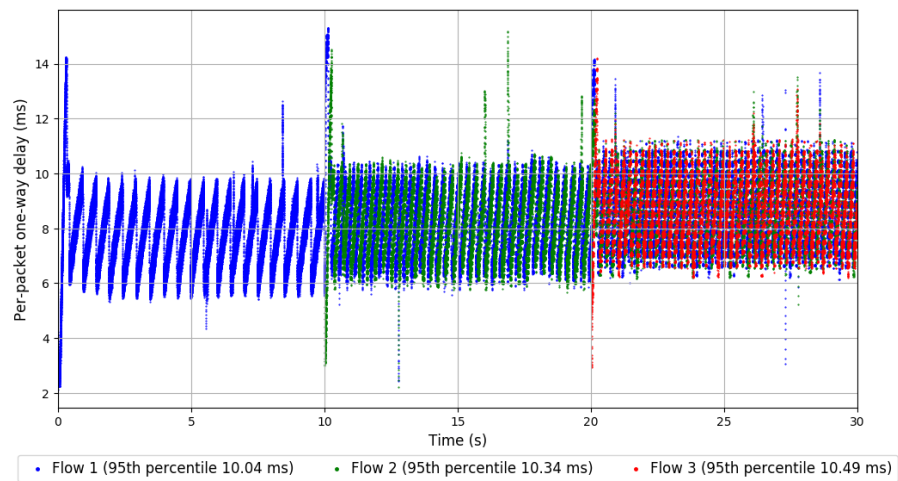
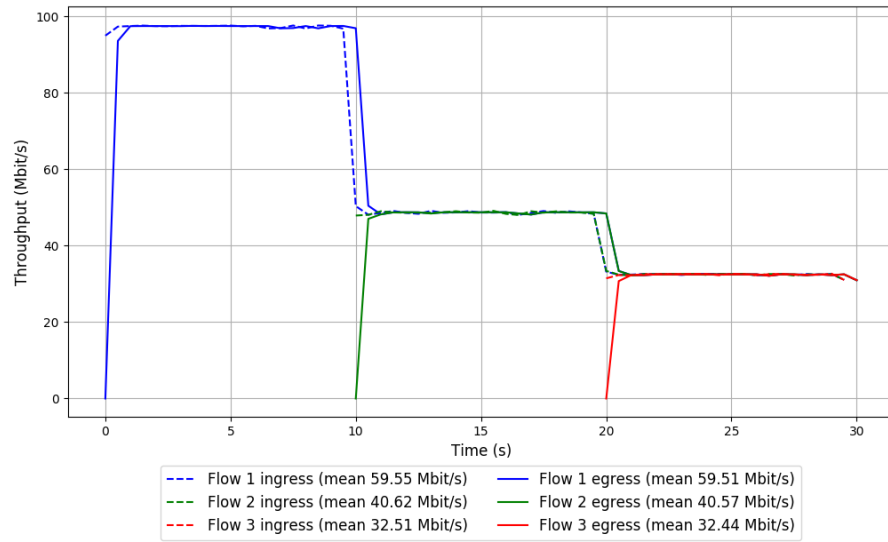


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 21:48:58
End at: 2018-08-22 21:49:28
Local clock offset: -5.037 ms
Remote clock offset: -0.759 ms

Below is generated by plot.py at 2018-08-22 22:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 10.242 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 10.037 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 10.342 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 10.489 ms
Loss rate: 0.25%

Run 9: Report of TCP Cubic — Data Link

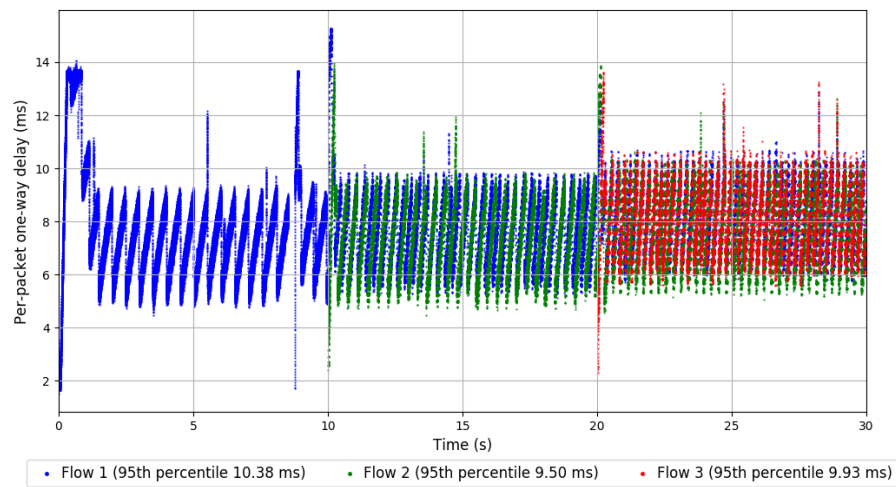
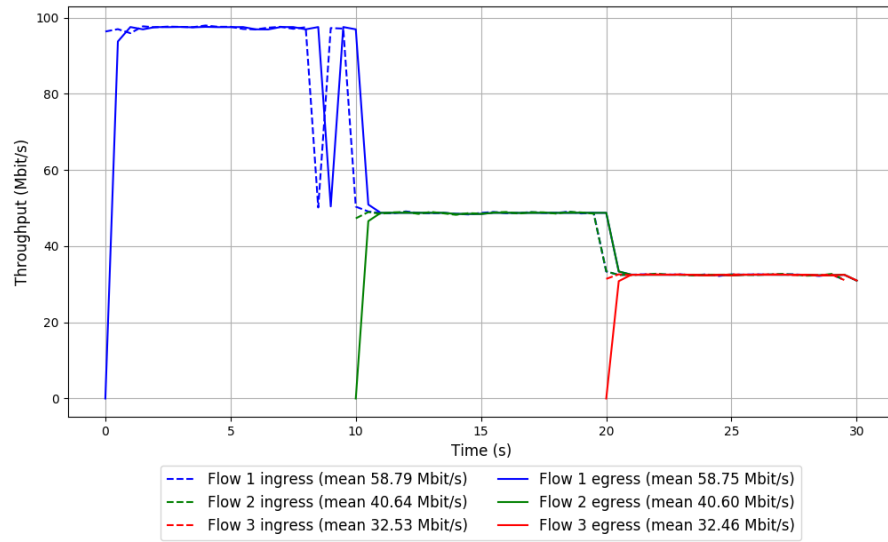


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 22:08:08
End at: 2018-08-22 22:08:38
Local clock offset: -4.308 ms
Remote clock offset: -0.709 ms

Below is generated by plot.py at 2018-08-22 22:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 9.917 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 10.378 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 9.497 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 9.925 ms
Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

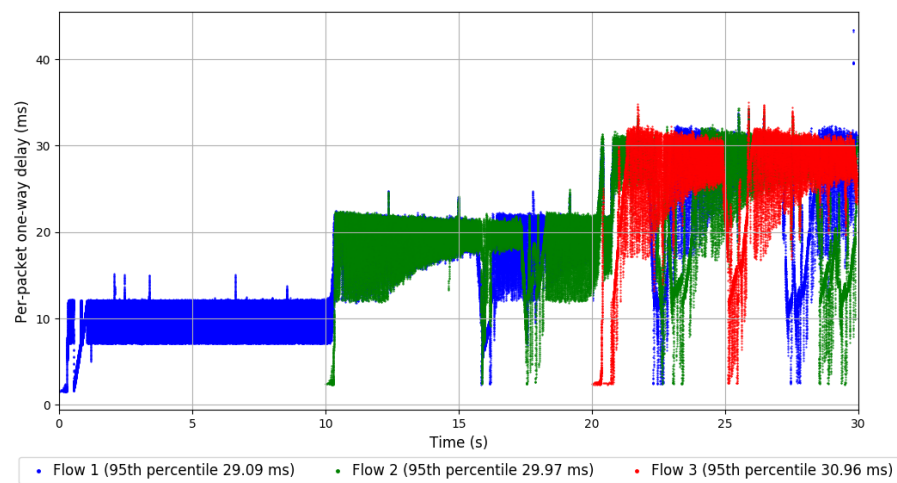
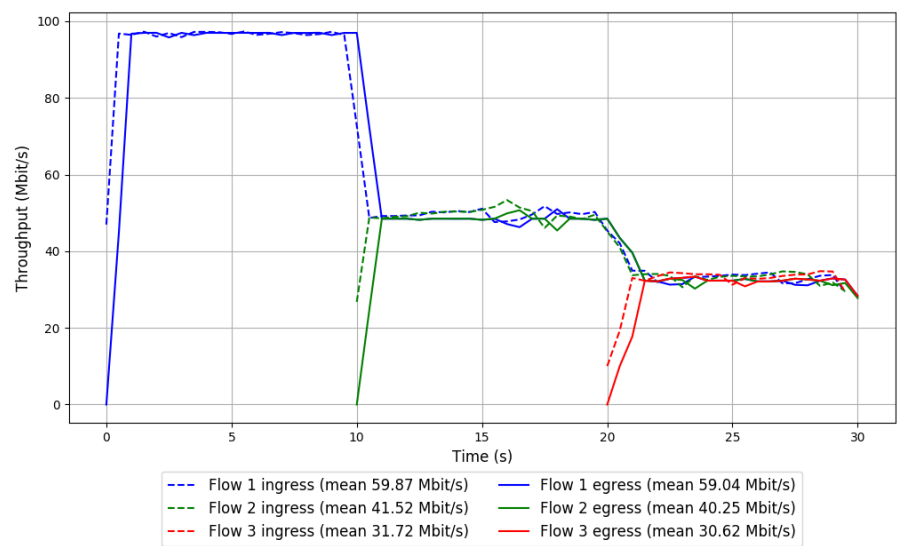


Run 1: Statistics of FillP

Start at: 2018-08-22 19:06:44
End at: 2018-08-22 19:07:14
Local clock offset: -3.173 ms
Remote clock offset: -7.824 ms

Below is generated by plot.py at 2018-08-22 22:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.971 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 29.095 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 30.961 ms
Loss rate: 3.44%

Run 1: Report of FillP — Data Link

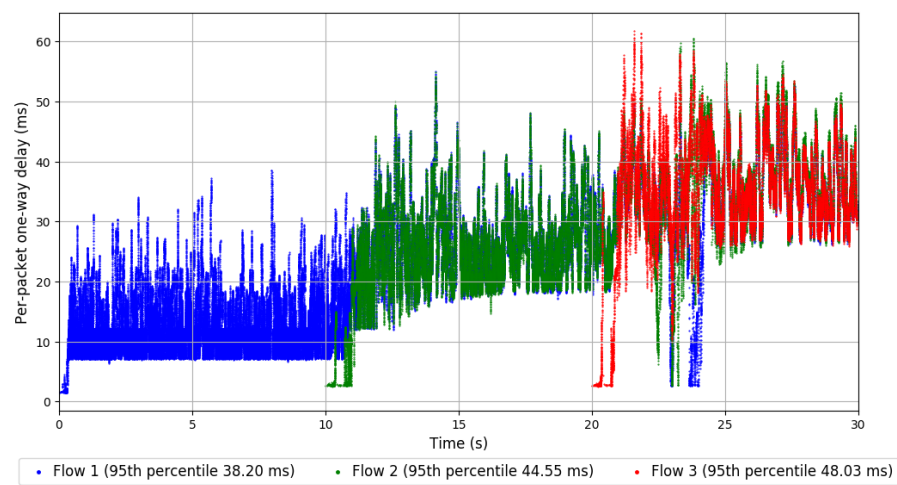
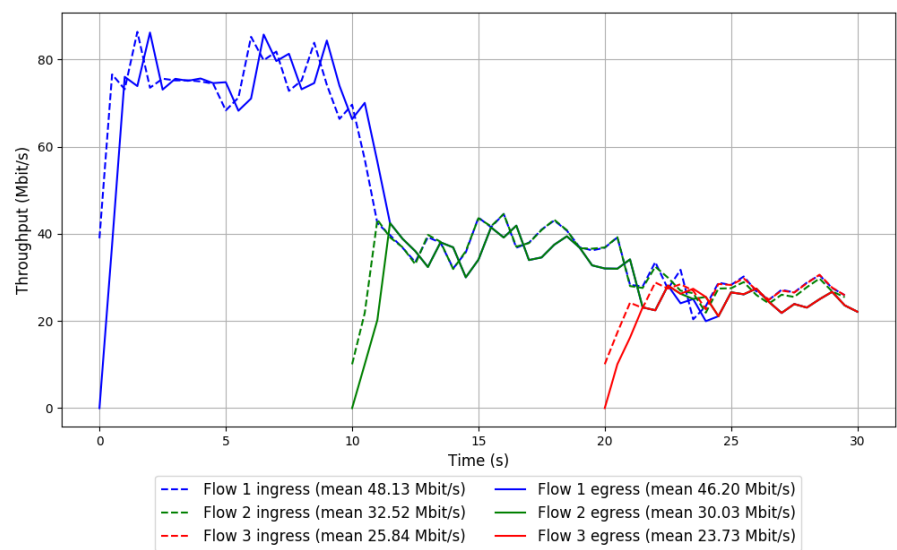


Run 2: Statistics of FillP

Start at: 2018-08-22 19:25:44
End at: 2018-08-22 19:26:14
Local clock offset: -4.093 ms
Remote clock offset: -4.032 ms

Below is generated by plot.py at 2018-08-22 22:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 42.736 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 38.195 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 44.546 ms
Loss rate: 7.74%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 48.028 ms
Loss rate: 8.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-22 19:44:41

End at: 2018-08-22 19:45:11

Local clock offset: -3.063 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-08-22 22:18:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 39.821 ms

Loss rate: 6.07%

-- Flow 1:

Average throughput: 47.38 Mbit/s

95th percentile per-packet one-way delay: 36.352 ms

Loss rate: 4.46%

-- Flow 2:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 40.175 ms

Loss rate: 8.56%

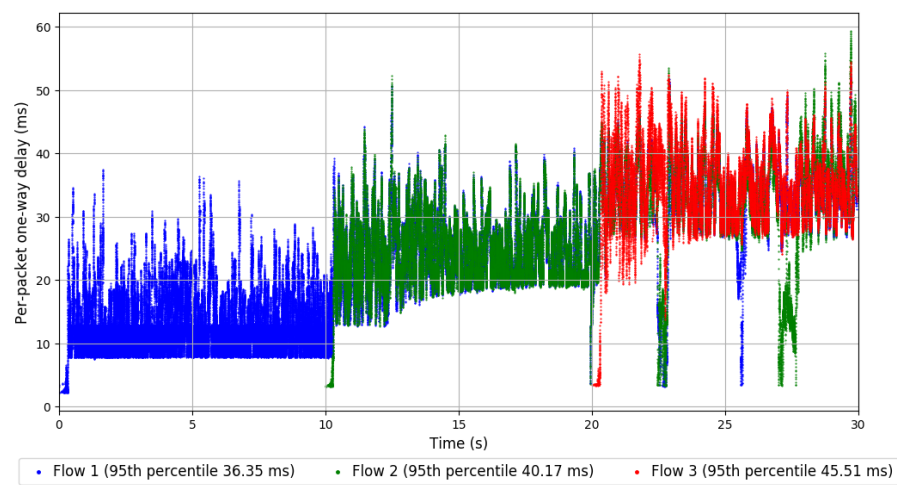
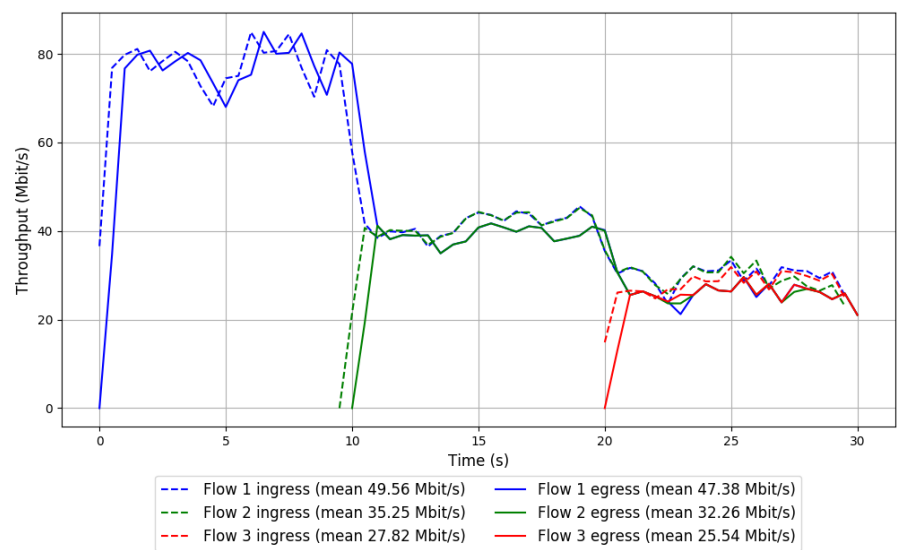
-- Flow 3:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 45.514 ms

Loss rate: 8.42%

Run 3: Report of FillP — Data Link

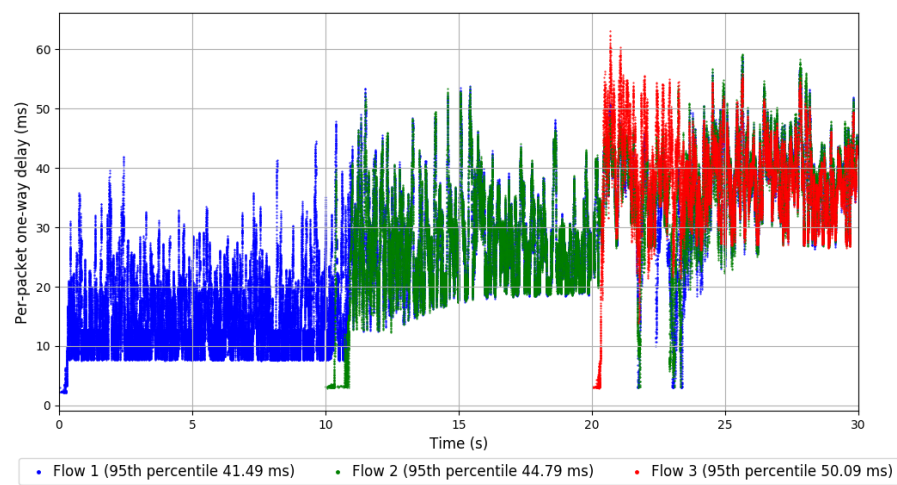
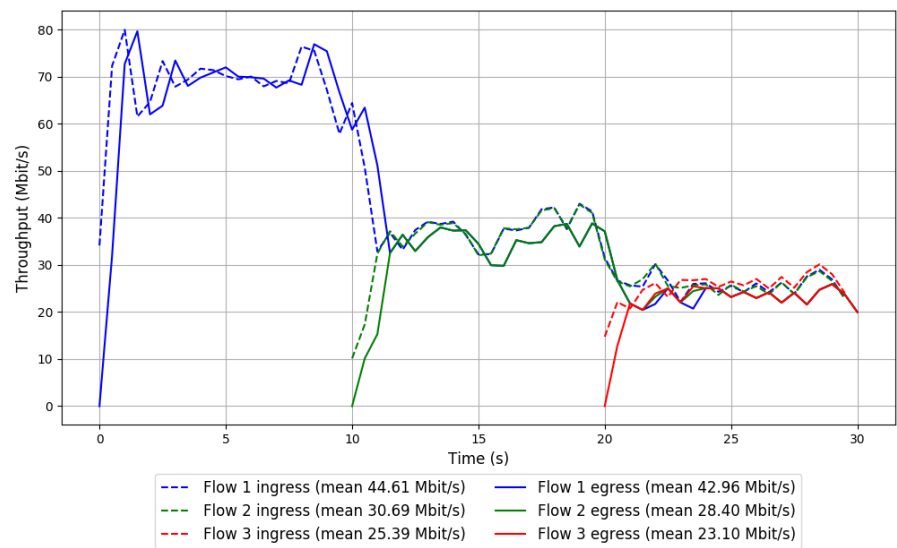


Run 4: Statistics of FillP

Start at: 2018-08-22 20:03:41
End at: 2018-08-22 20:04:11
Local clock offset: -2.881 ms
Remote clock offset: -9.802 ms

Below is generated by plot.py at 2018-08-22 22:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 44.291 ms
Loss rate: 5.43%
-- Flow 1:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 41.491 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 44.786 ms
Loss rate: 7.59%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 50.090 ms
Loss rate: 9.24%

Run 4: Report of FillP — Data Link

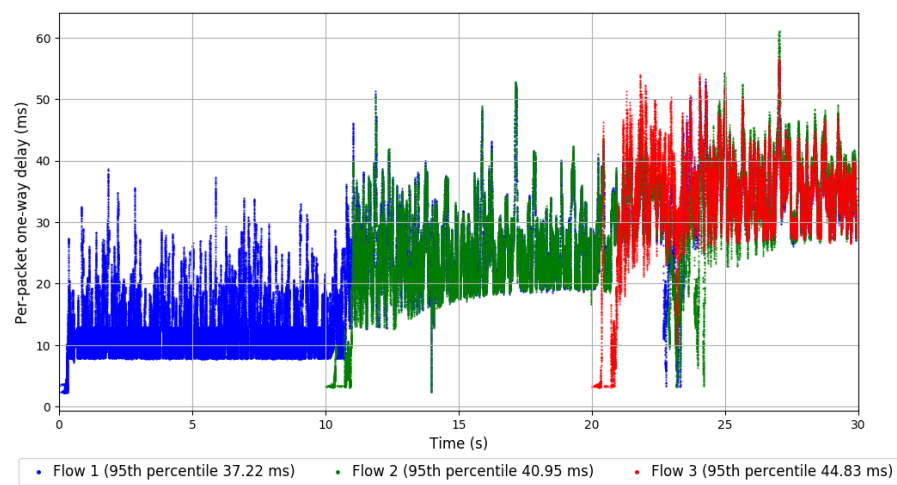
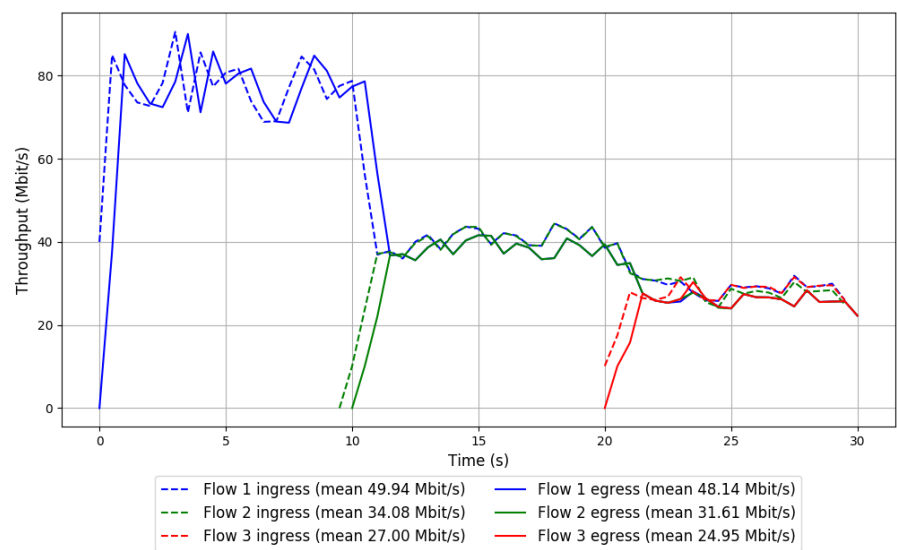


Run 5: Statistics of FillP

Start at: 2018-08-22 20:22:46
End at: 2018-08-22 20:23:16
Local clock offset: -3.996 ms
Remote clock offset: -14.373 ms

Below is generated by plot.py at 2018-08-22 22:18:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 40.235 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 37.220 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 40.951 ms
Loss rate: 7.33%
-- Flow 3:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 44.834 ms
Loss rate: 7.77%

Run 5: Report of FillP — Data Link

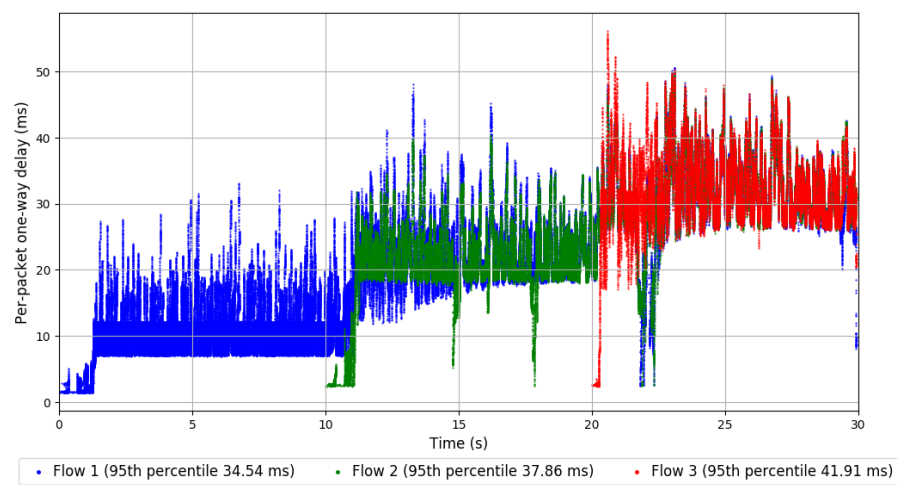
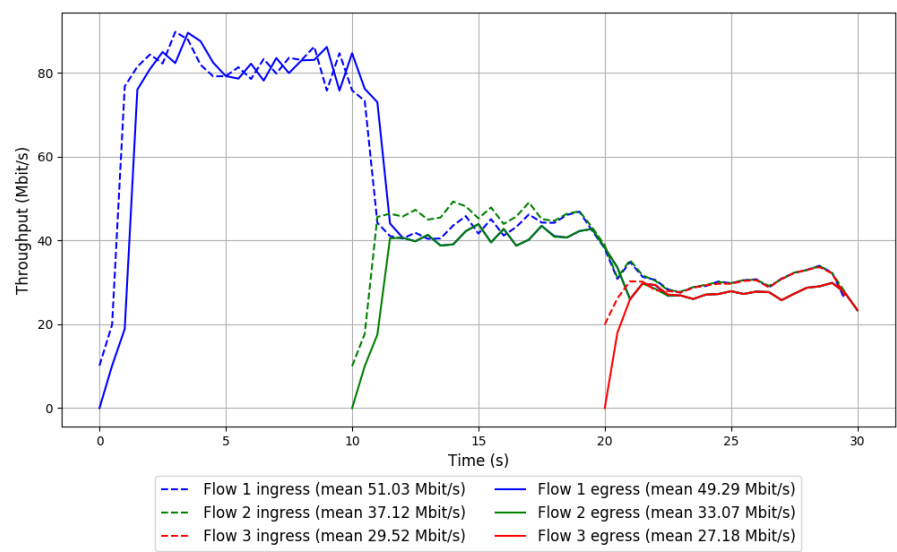


Run 6: Statistics of FillP

Start at: 2018-08-22 20:41:46
End at: 2018-08-22 20:42:16
Local clock offset: -6.763 ms
Remote clock offset: -16.373 ms

Below is generated by plot.py at 2018-08-22 22:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 37.364 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 34.540 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 37.862 ms
Loss rate: 11.00%
-- Flow 3:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 41.912 ms
Loss rate: 7.89%

Run 6: Report of FillP — Data Link

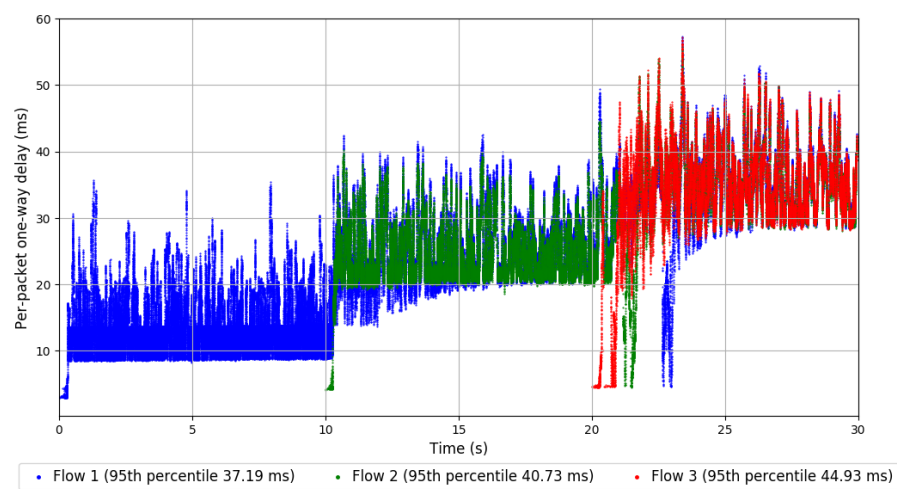
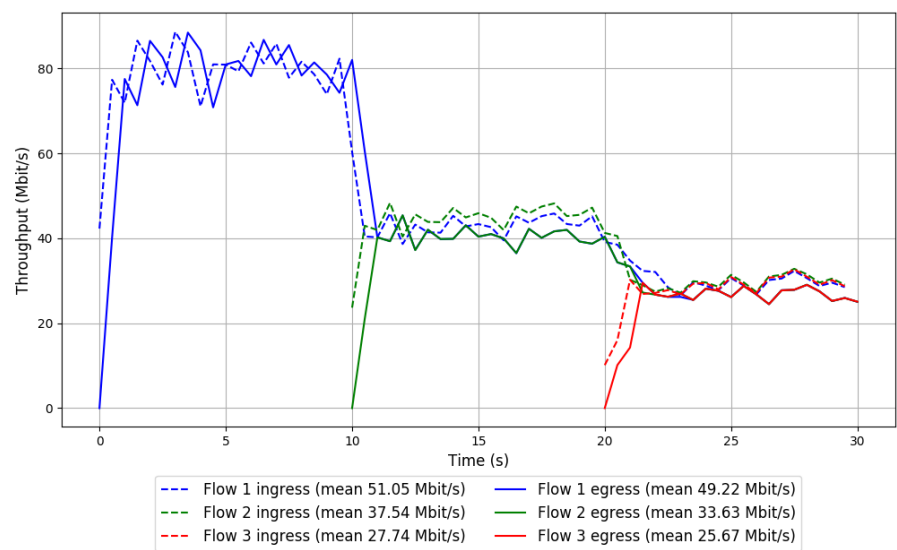


Run 7: Statistics of FillP

Start at: 2018-08-22 21:00:48
End at: 2018-08-22 21:01:18
Local clock offset: -8.488 ms
Remote clock offset: -17.206 ms

Below is generated by plot.py at 2018-08-22 22:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 39.996 ms
Loss rate: 6.10%
-- Flow 1:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 37.186 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 40.733 ms
Loss rate: 10.52%
-- Flow 3:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 44.933 ms
Loss rate: 7.67%

Run 7: Report of FillP — Data Link

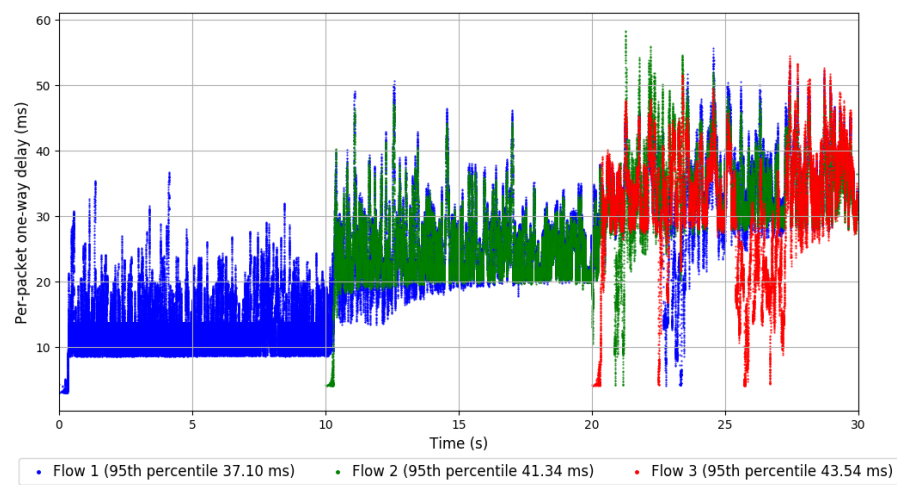
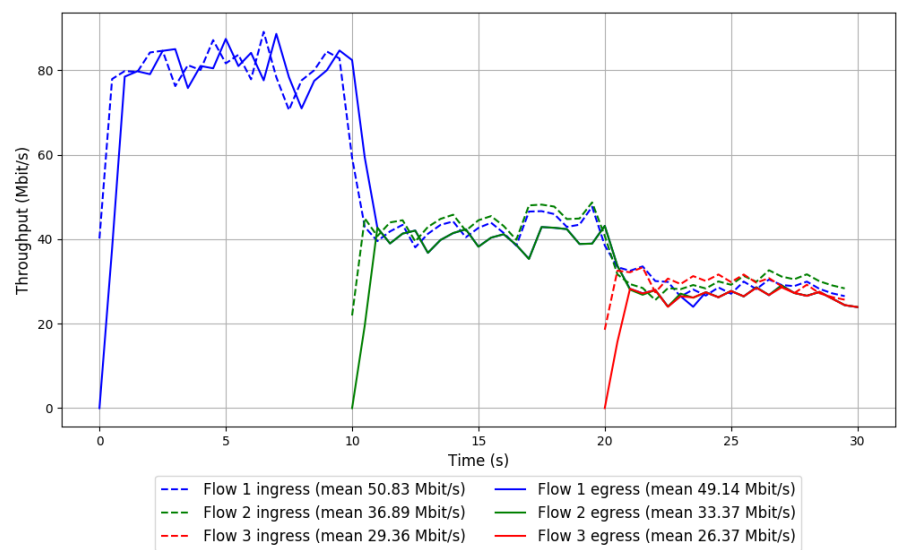


Run 8: Statistics of FillP

Start at: 2018-08-22 21:19:48
End at: 2018-08-22 21:20:18
Local clock offset: -7.451 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2018-08-22 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 40.018 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 37.097 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 41.341 ms
Loss rate: 9.56%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 43.542 ms
Loss rate: 10.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-22 21:38:47

End at: 2018-08-22 21:39:17

Local clock offset: -8.401 ms

Remote clock offset: 1.06 ms

Below is generated by plot.py at 2018-08-22 22:19:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 38.274 ms

Loss rate: 5.44%

-- Flow 1:

Average throughput: 48.83 Mbit/s

95th percentile per-packet one-way delay: 35.373 ms

Loss rate: 3.60%

-- Flow 2:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 38.710 ms

Loss rate: 8.25%

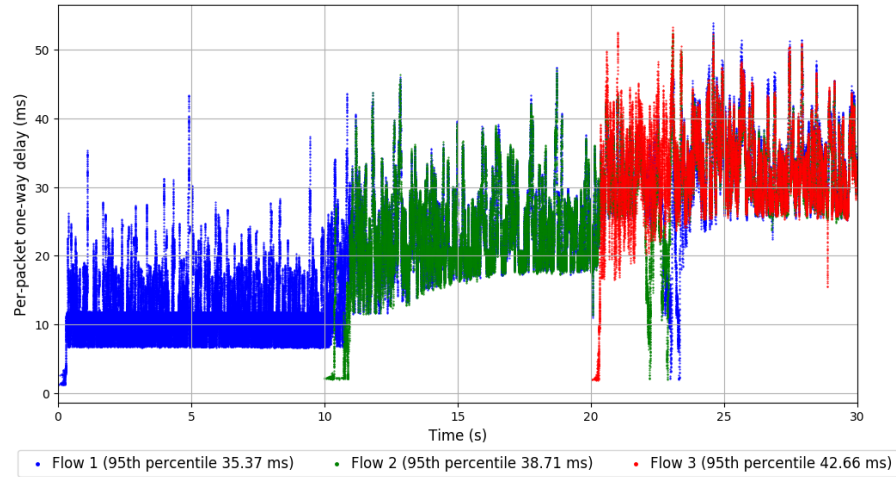
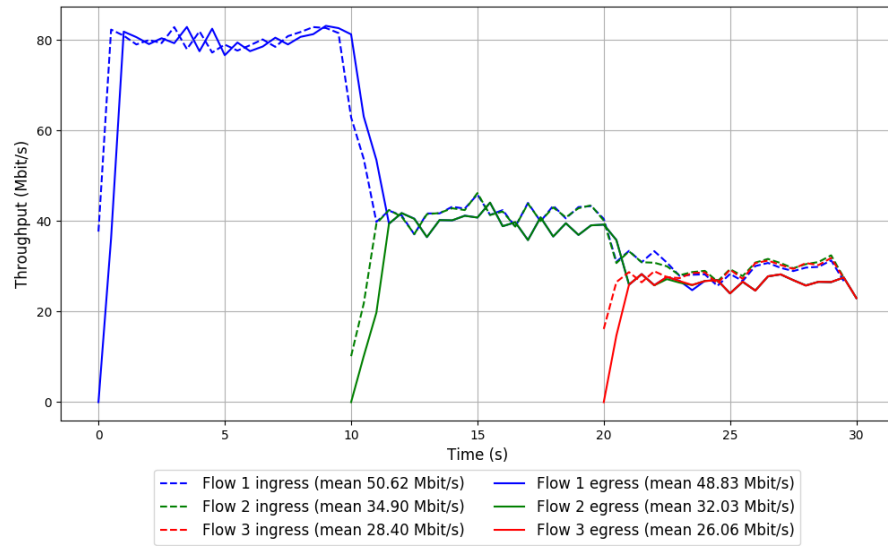
-- Flow 3:

Average throughput: 26.06 Mbit/s

95th percentile per-packet one-way delay: 42.661 ms

Loss rate: 8.39%

Run 9: Report of FillP — Data Link

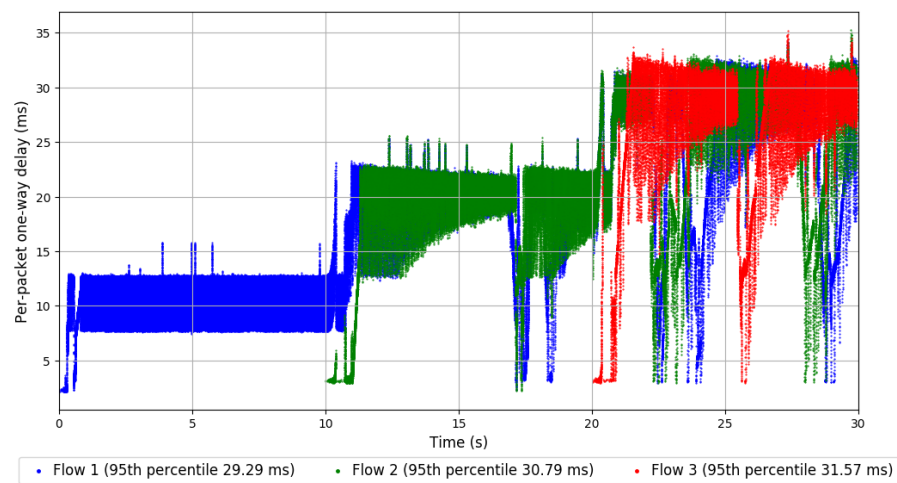
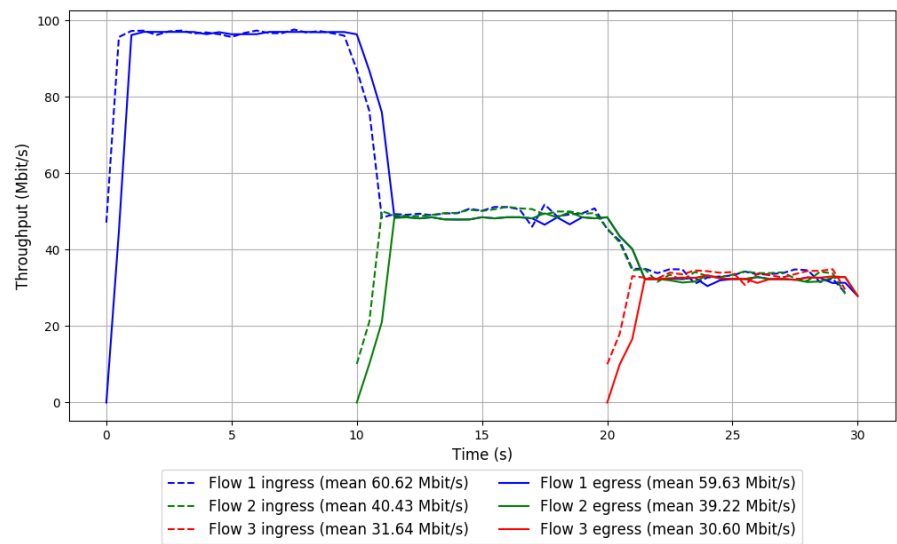


Run 10: Statistics of FillP

Start at: 2018-08-22 21:57:56
End at: 2018-08-22 21:58:26
Local clock offset: -4.149 ms
Remote clock offset: -0.952 ms

Below is generated by plot.py at 2018-08-22 22:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 30.521 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 29.289 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 30.793 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 3.44%

Run 10: Report of FillP — Data Link

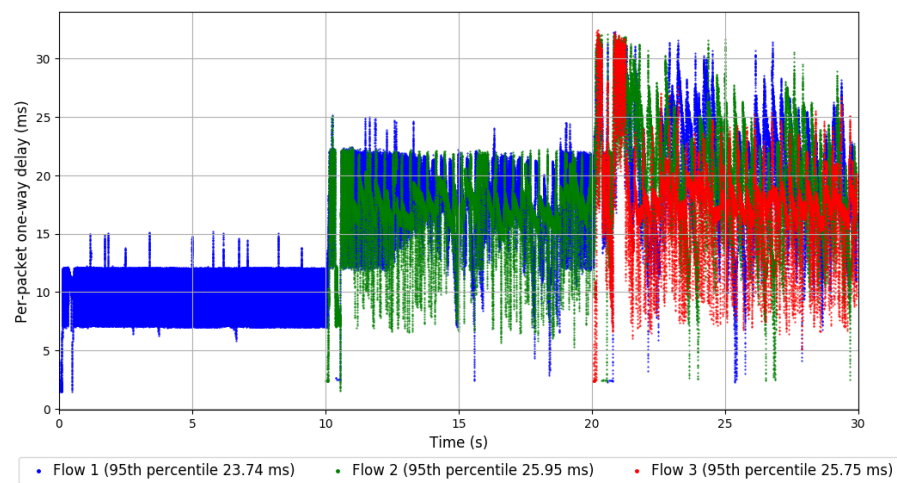
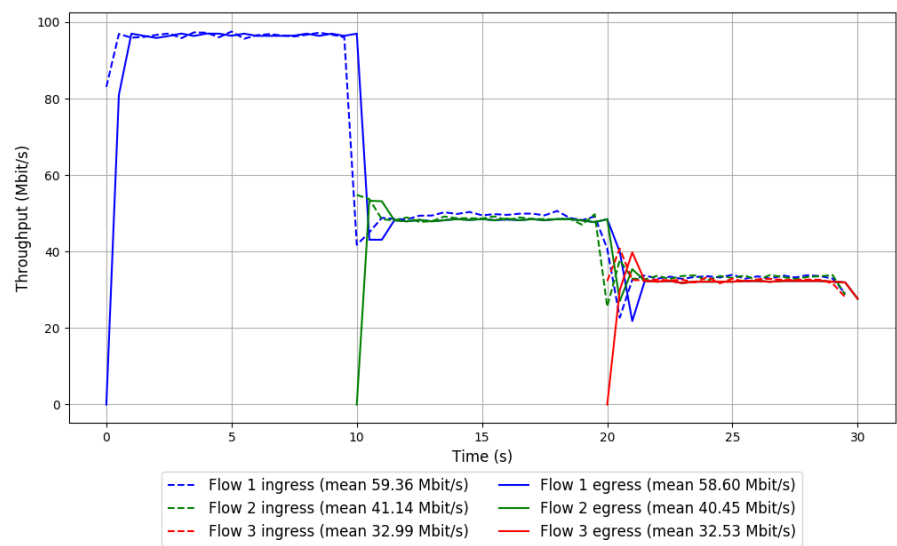


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 19:02:17
End at: 2018-08-22 19:02:47
Local clock offset: -3.348 ms
Remote clock offset: -7.456 ms

Below is generated by plot.py at 2018-08-22 22:19:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 24.670 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 23.741 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 25.950 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 25.752 ms
Loss rate: 1.38%

Run 1: Report of FillP-Sheep — Data Link

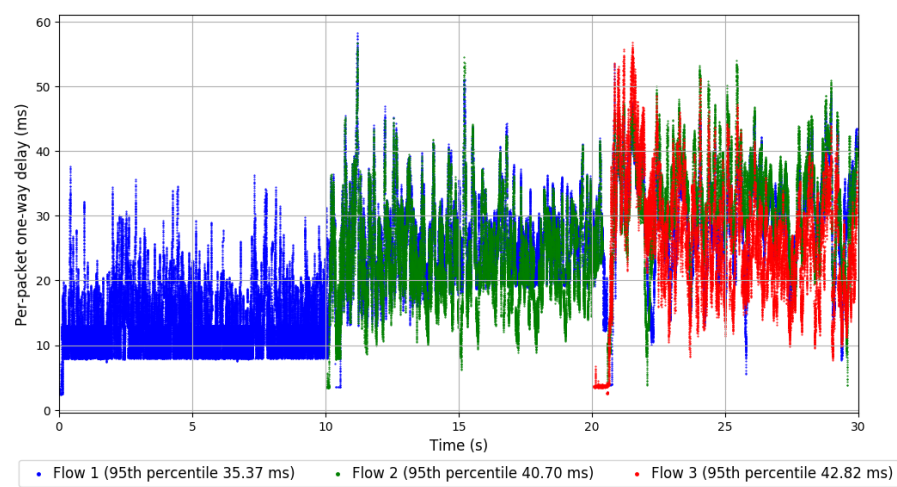
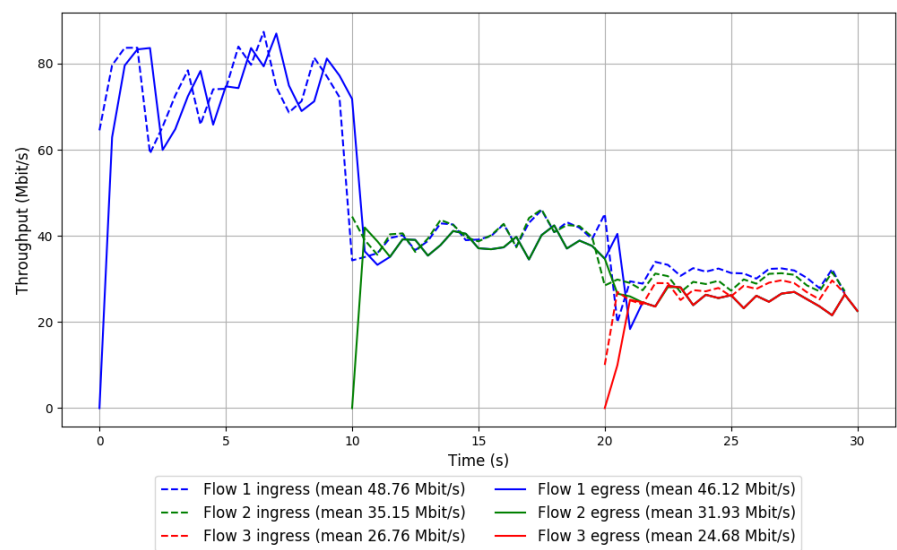


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 19:21:18
End at: 2018-08-22 19:21:48
Local clock offset: -3.201 ms
Remote clock offset: -6.108 ms

```
# Below is generated by plot.py at 2018-08-22 22:19:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 38.292 ms
Loss rate: 6.79%
-- Flow 1:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 35.369 ms
Loss rate: 5.41%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 40.701 ms
Loss rate: 9.28%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 42.822 ms
Loss rate: 7.81%
```

Run 2: Report of FillP-Sheep — Data Link

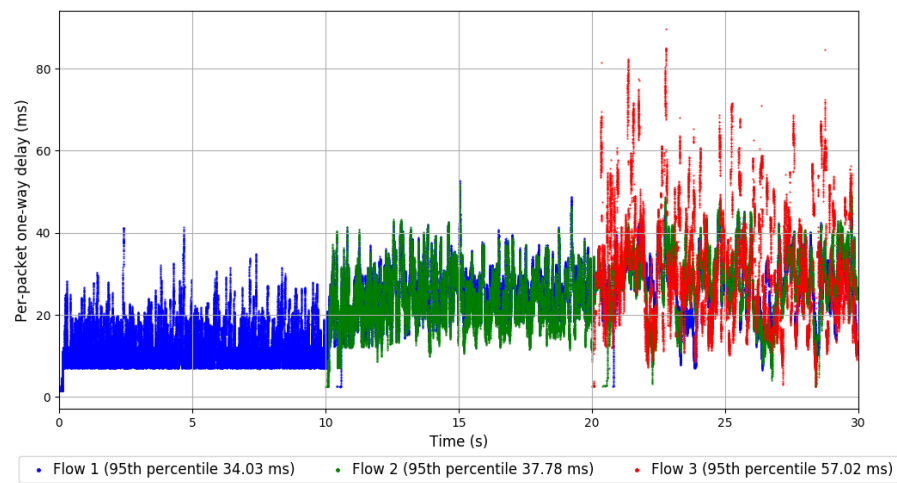
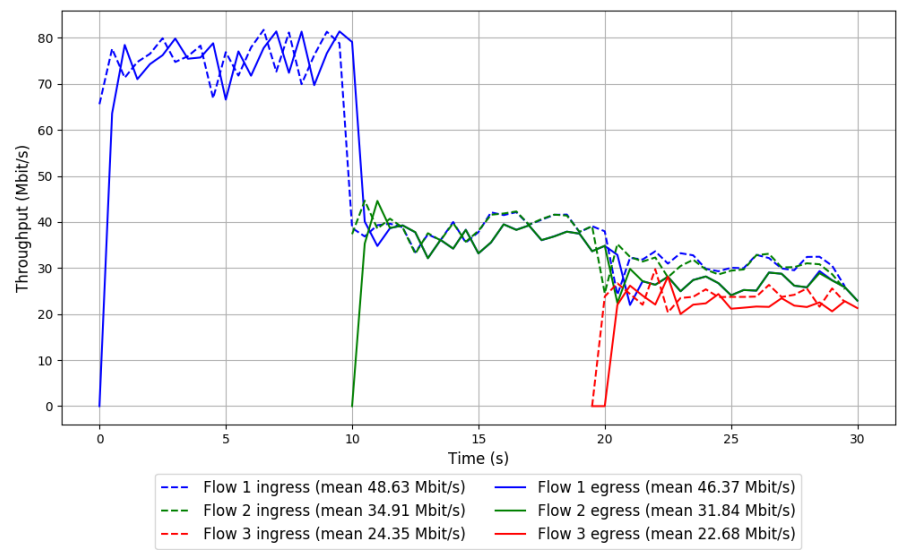


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 19:40:15
End at: 2018-08-22 19:40:45
Local clock offset: -3.996 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-22 22:19:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 37.747 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 34.031 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 37.783 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 22.68 Mbit/s
95th percentile per-packet one-way delay: 57.016 ms
Loss rate: 6.87%

Run 3: Report of FillP-Sheep — Data Link

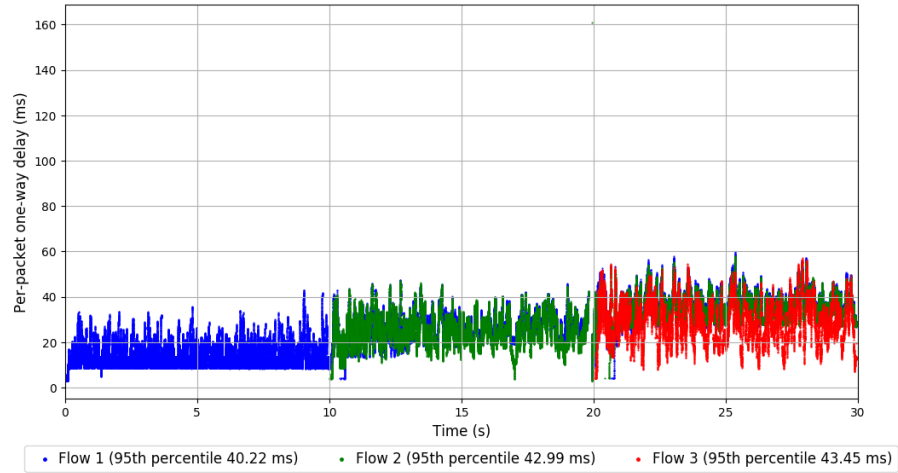
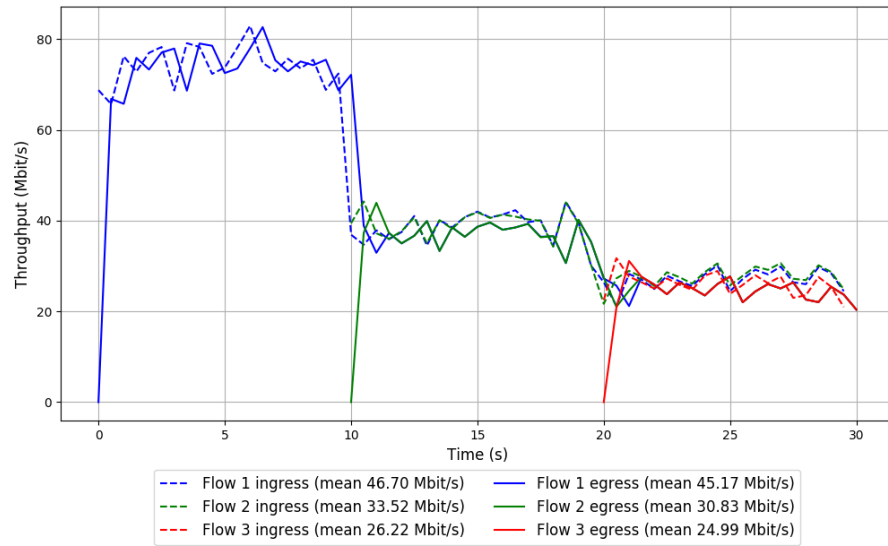


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 19:59:15
End at: 2018-08-22 19:59:45
Local clock offset: -2.091 ms
Remote clock offset: -7.275 ms

Below is generated by plot.py at 2018-08-22 22:19:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 41.529 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 40.215 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 42.987 ms
Loss rate: 8.03%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 43.449 ms
Loss rate: 4.62%

Run 4: Report of FillP-Sheep — Data Link

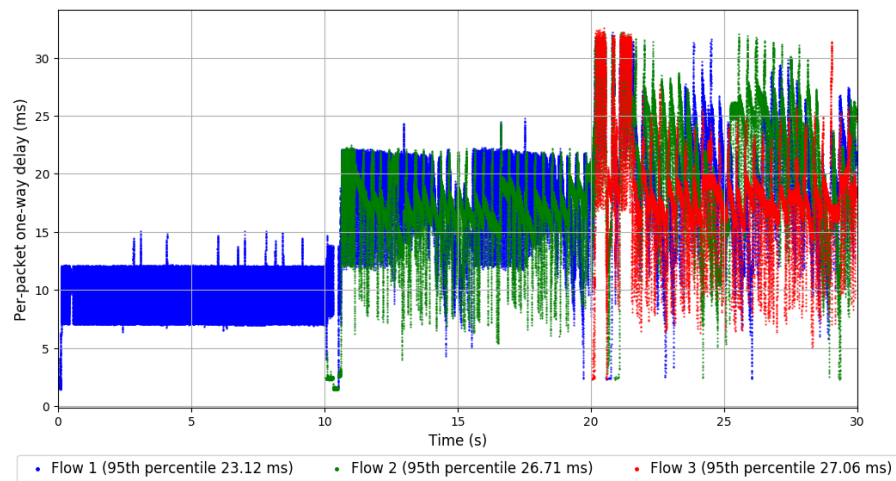
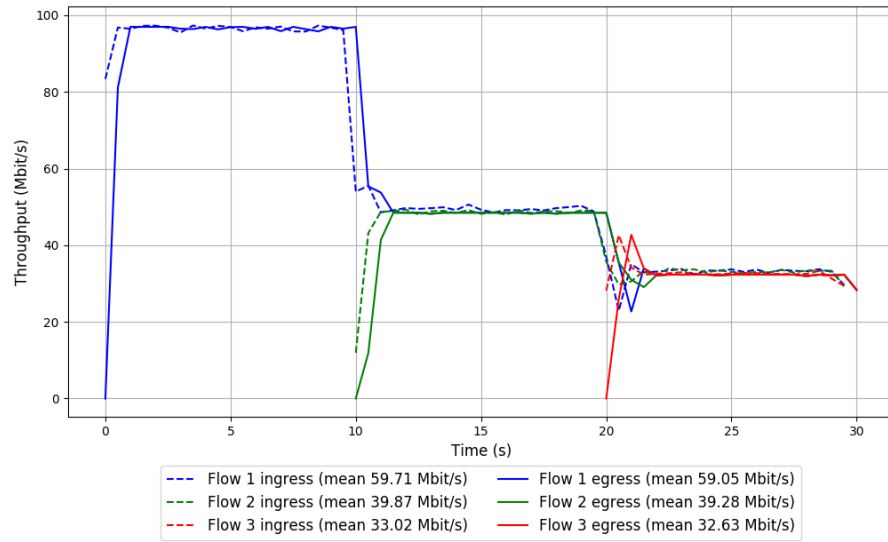


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 20:18:19
End at: 2018-08-22 20:18:49
Local clock offset: -4.608 ms
Remote clock offset: -13.727 ms

Below is generated by plot.py at 2018-08-22 22:20:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 25.360 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 23.121 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 26.713 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 27.064 ms
Loss rate: 1.17%

Run 5: Report of FillP-Sheep — Data Link

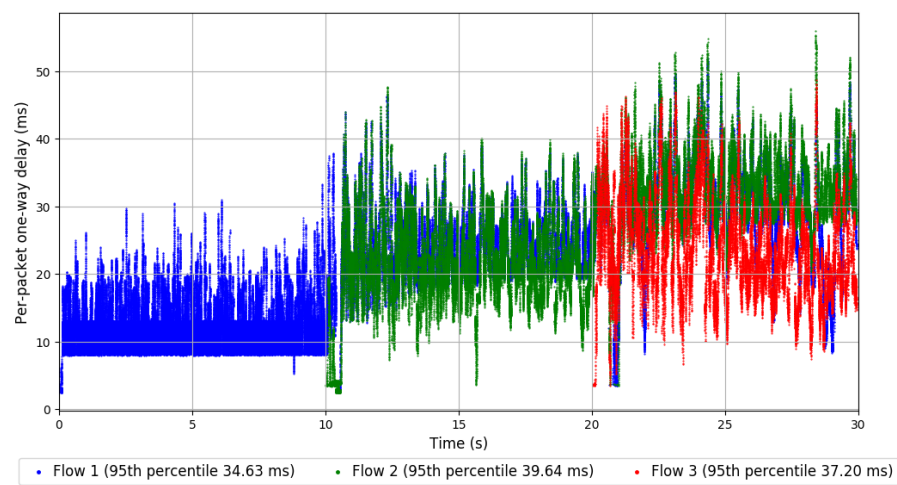
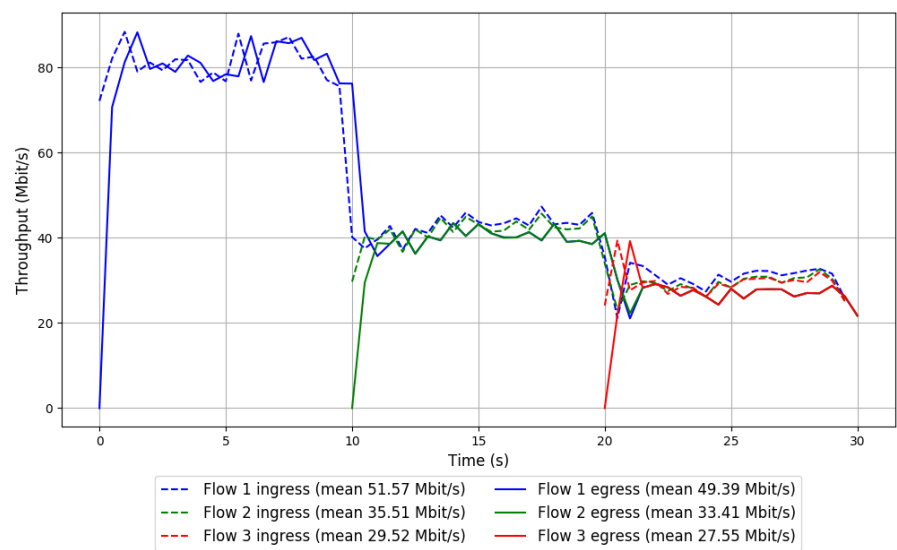


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 20:37:19
End at: 2018-08-22 20:37:49
Local clock offset: -4.472 ms
Remote clock offset: -16.006 ms

Below is generated by plot.py at 2018-08-22 22:20:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 36.943 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 34.633 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 39.639 ms
Loss rate: 5.92%
-- Flow 3:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 37.199 ms
Loss rate: 6.70%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

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

End at: 2018-08-22 20:56:50

Local clock offset: -7.366 ms

Remote clock offset: -17.8 ms

Below is generated by plot.py at 2018-08-22 22:20:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.93 Mbit/s

95th percentile per-packet one-way delay: 35.811 ms

Loss rate: 5.83%

-- Flow 1:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 34.704 ms

Loss rate: 4.39%

-- Flow 2:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 36.855 ms

Loss rate: 8.59%

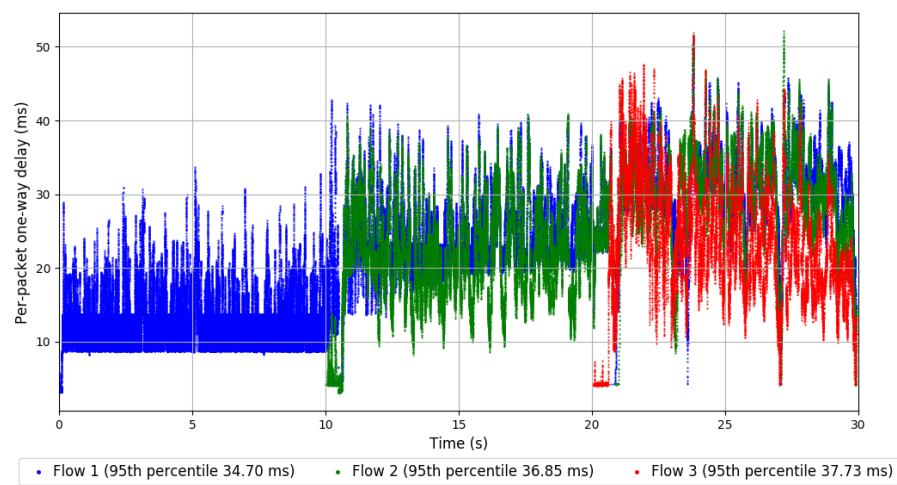
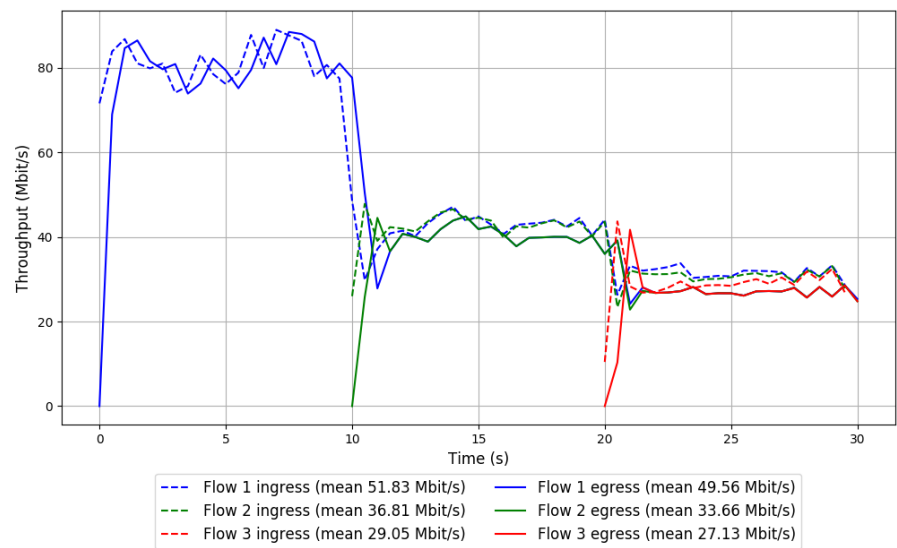
-- Flow 3:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 37.730 ms

Loss rate: 6.61%

Run 7: Report of FillP-Sheep — Data Link

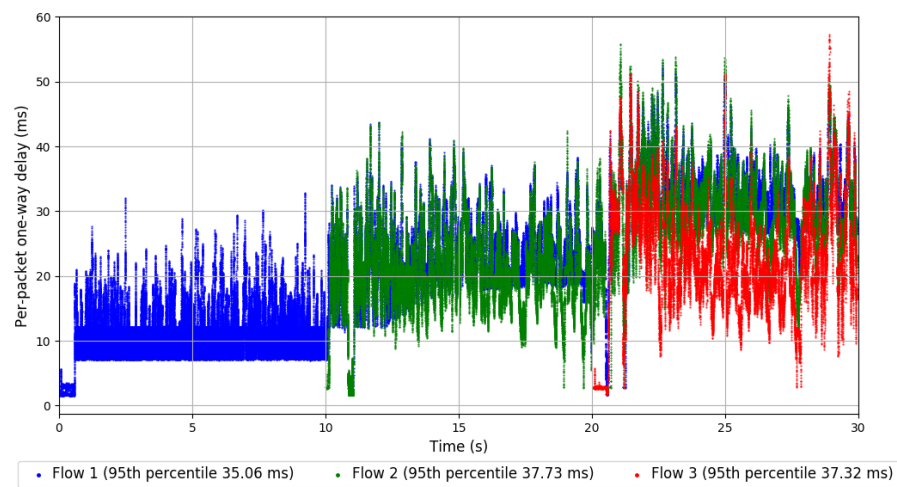
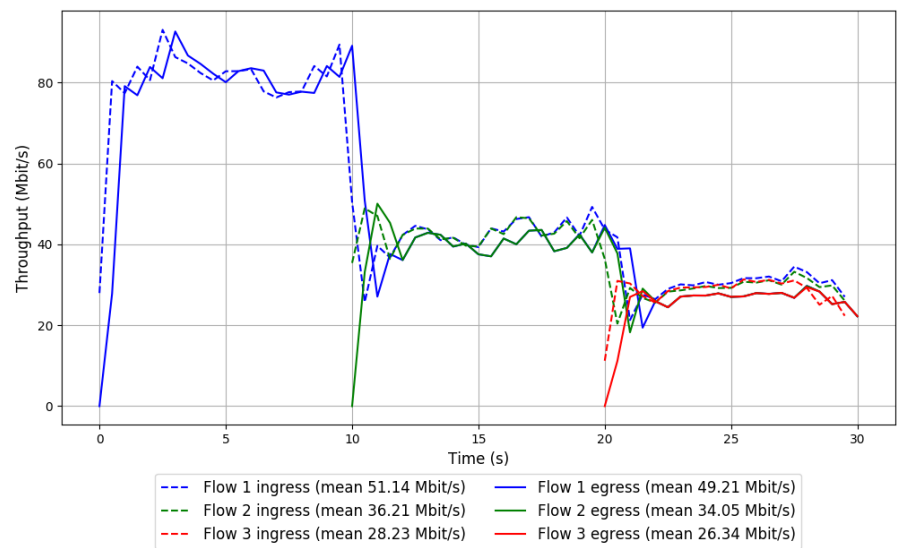


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 21:15:22
End at: 2018-08-22 21:15:52
Local clock offset: -9.07 ms
Remote clock offset: -2.532 ms

Below is generated by plot.py at 2018-08-22 22:21:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 36.222 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 35.063 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 37.731 ms
Loss rate: 5.94%
-- Flow 3:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 37.320 ms
Loss rate: 6.67%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

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

End at: 2018-08-22 21:34:51

Local clock offset: -7.677 ms

Remote clock offset: 3.162 ms

Below is generated by plot.py at 2018-08-22 22:21:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 37.674 ms

Loss rate: 4.97%

-- Flow 1:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 35.378 ms

Loss rate: 4.35%

-- Flow 2:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 40.424 ms

Loss rate: 6.01%

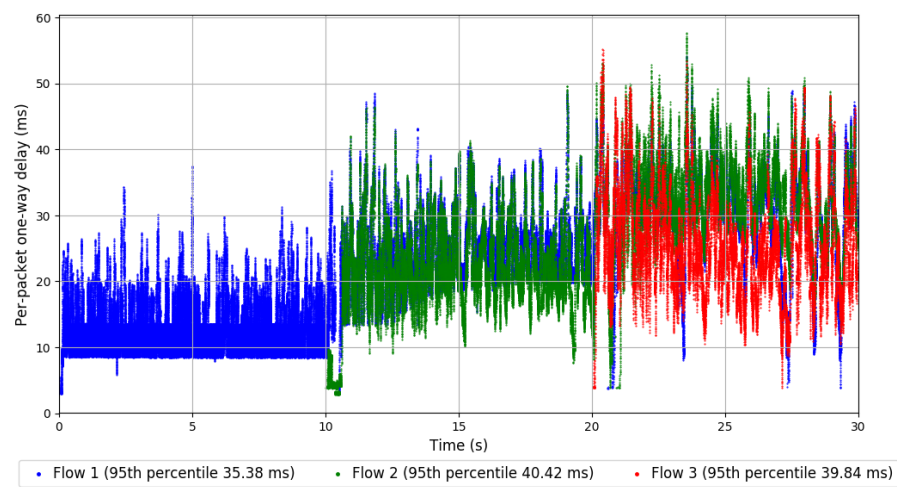
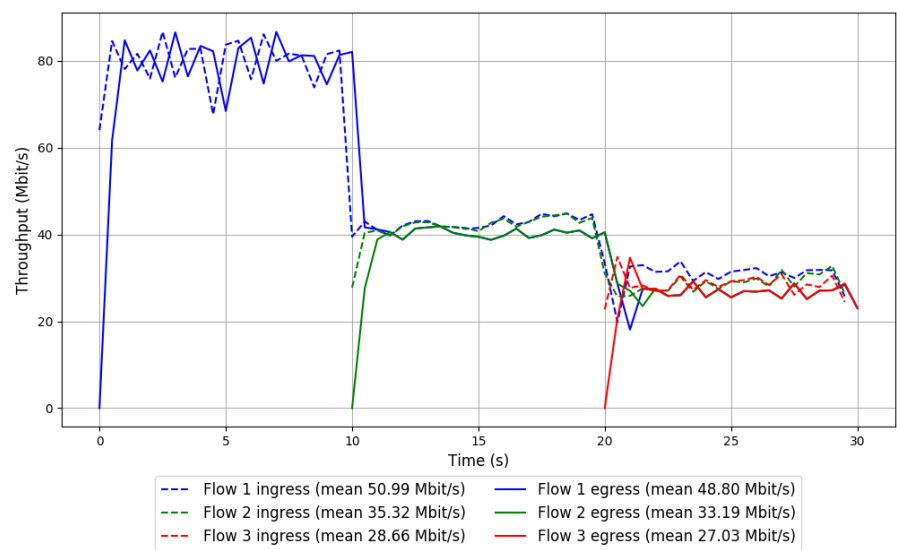
-- Flow 3:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 39.843 ms

Loss rate: 5.77%

Run 9: Report of FillP-Sheep — Data Link

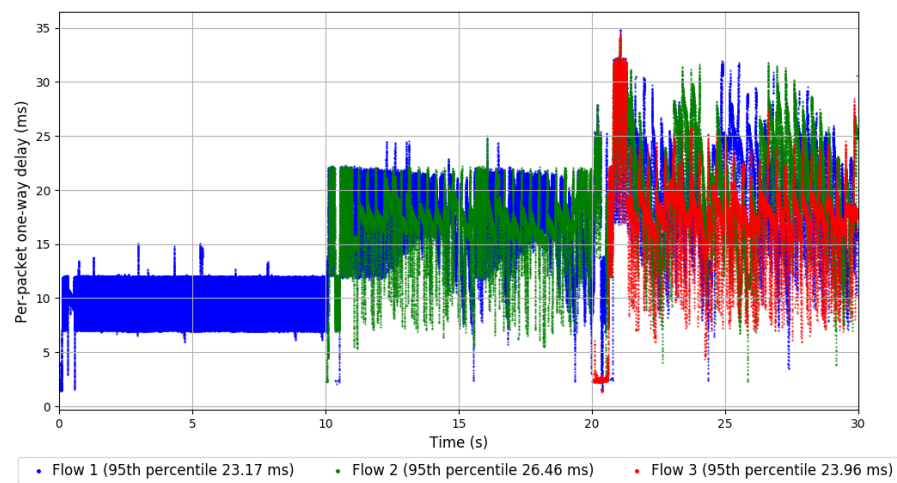
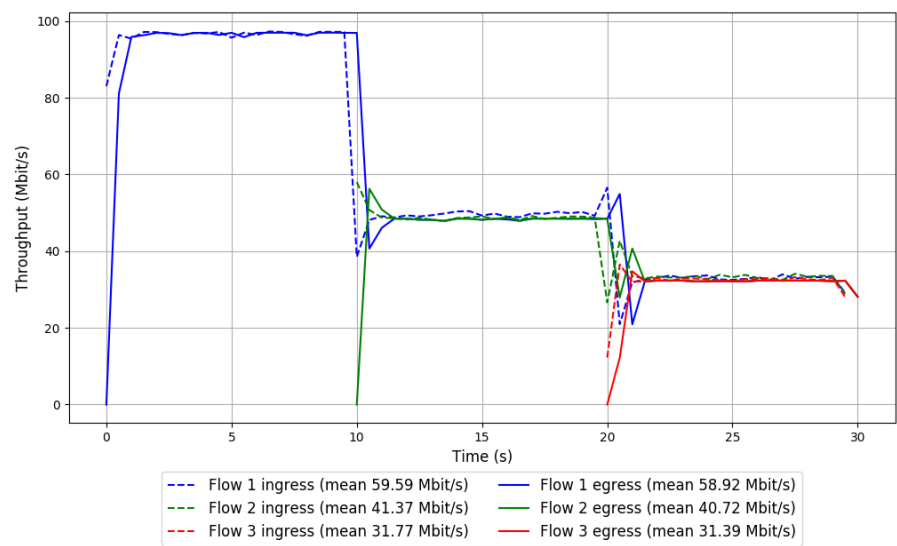


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 21:53:28
End at: 2018-08-22 21:53:59
Local clock offset: -5.207 ms
Remote clock offset: -0.902 ms

Below is generated by plot.py at 2018-08-22 22:21:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 24.402 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 23.169 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 26.456 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 23.962 ms
Loss rate: 1.23%

Run 10: Report of FillP-Sheep — Data Link

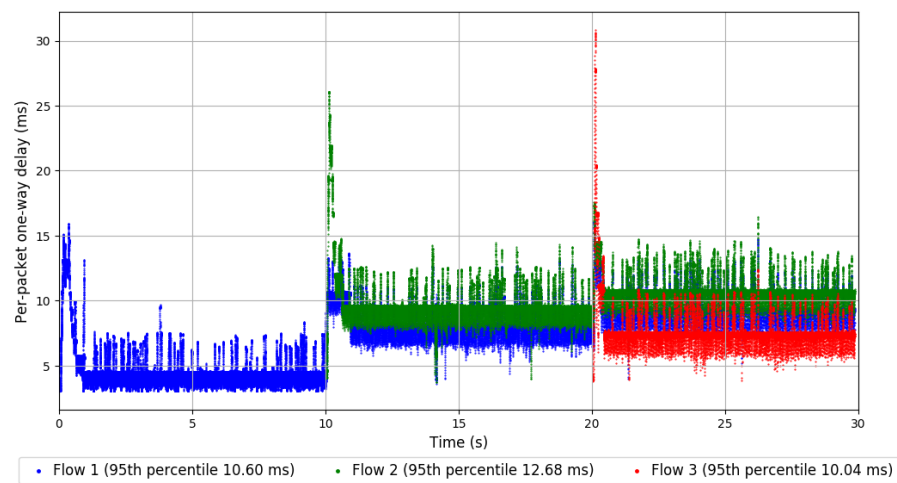
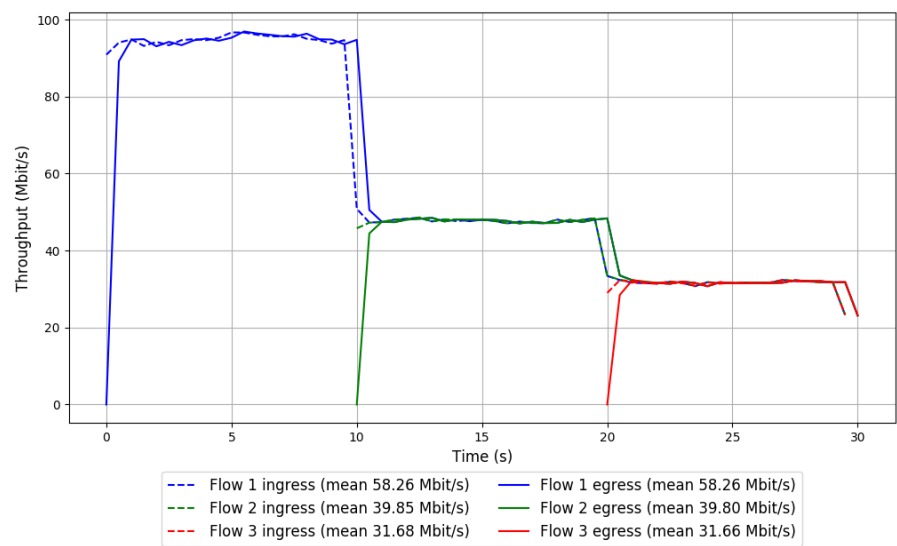


Run 1: Statistics of Indigo

Start at: 2018-08-22 19:00:04
End at: 2018-08-22 19:00:34
Local clock offset: -1.786 ms
Remote clock offset: -7.036 ms

Below is generated by plot.py at 2018-08-22 22:21:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 11.554 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 10.595 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 12.676 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 10.035 ms
Loss rate: 0.10%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

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

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

Local clock offset: -3.15 ms

Remote clock offset: -7.45 ms

Below is generated by plot.py at 2018-08-22 22:21:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 13.552 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 12.627 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 13.992 ms

Loss rate: 0.06%

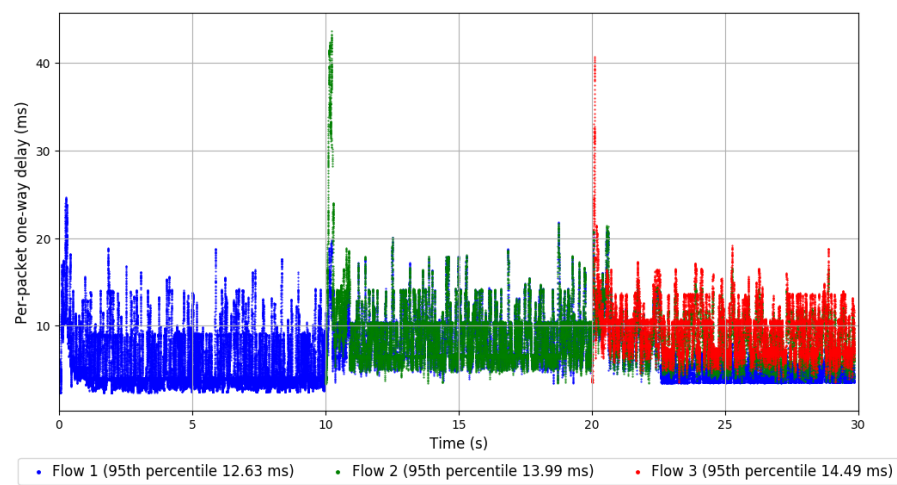
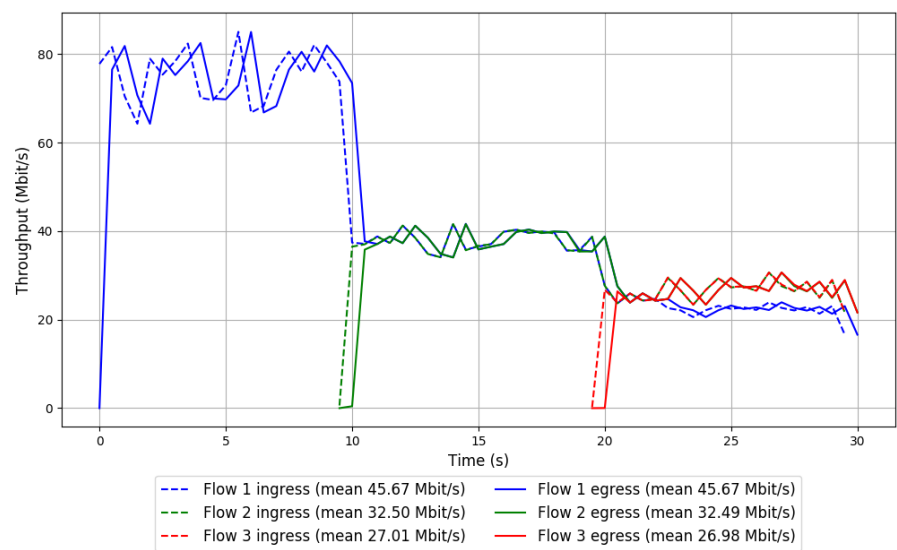
-- Flow 3:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 14.494 ms

Loss rate: 0.14%

Run 2: Report of Indigo — Data Link

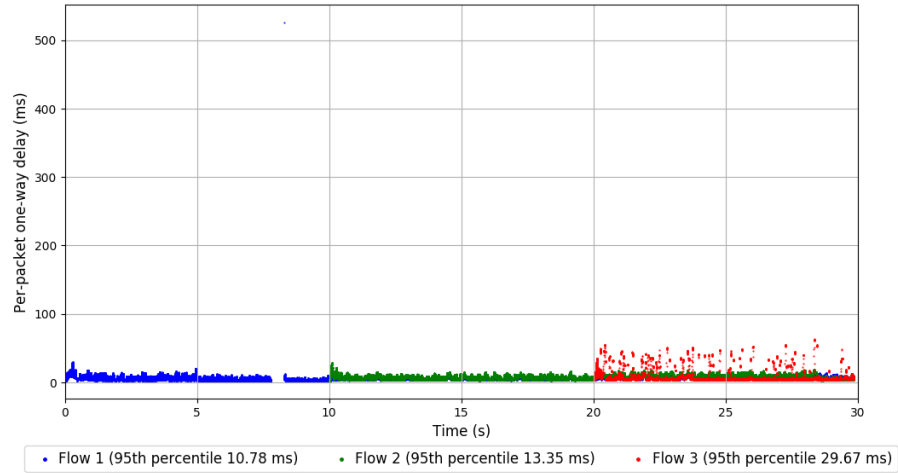
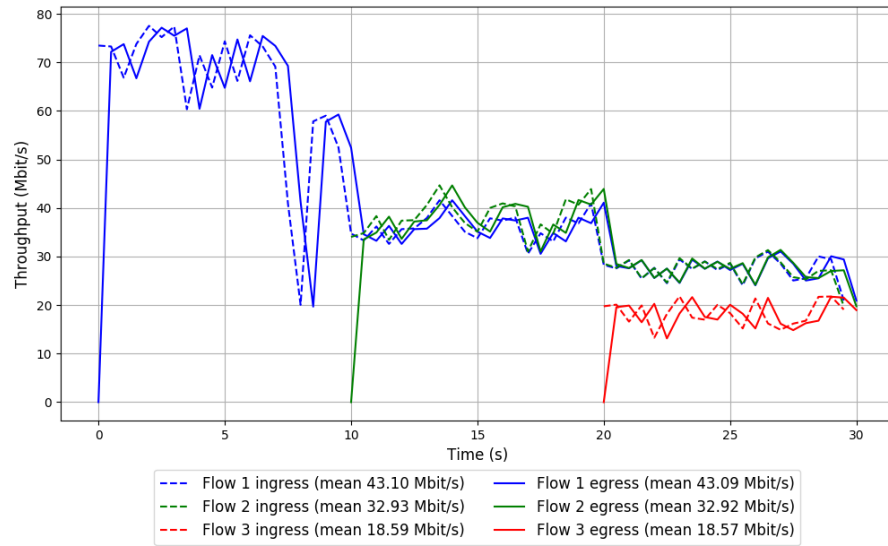


Run 3: Statistics of Indigo

Start at: 2018-08-22 19:38:04
End at: 2018-08-22 19:38:34
Local clock offset: -3.214 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2018-08-22 22:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 11.695 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 43.09 Mbit/s
95th percentile per-packet one-way delay: 10.777 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 13.354 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 29.672 ms
Loss rate: 0.15%

Run 3: Report of Indigo — Data Link

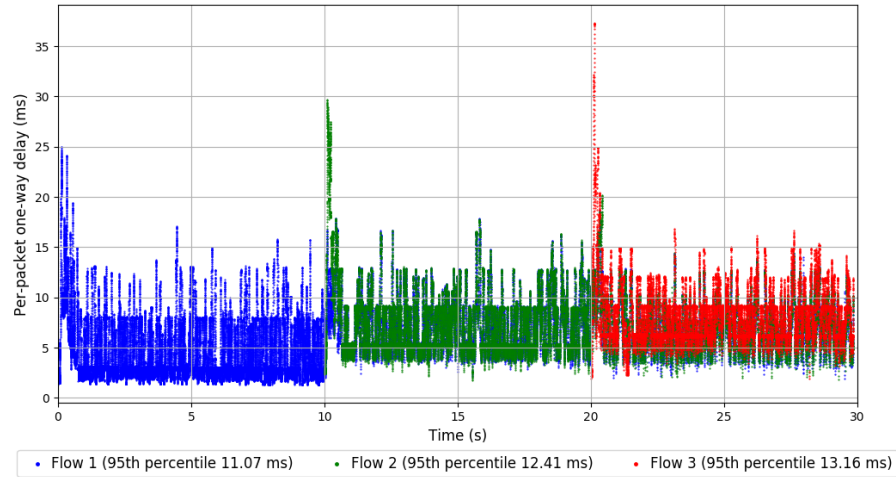
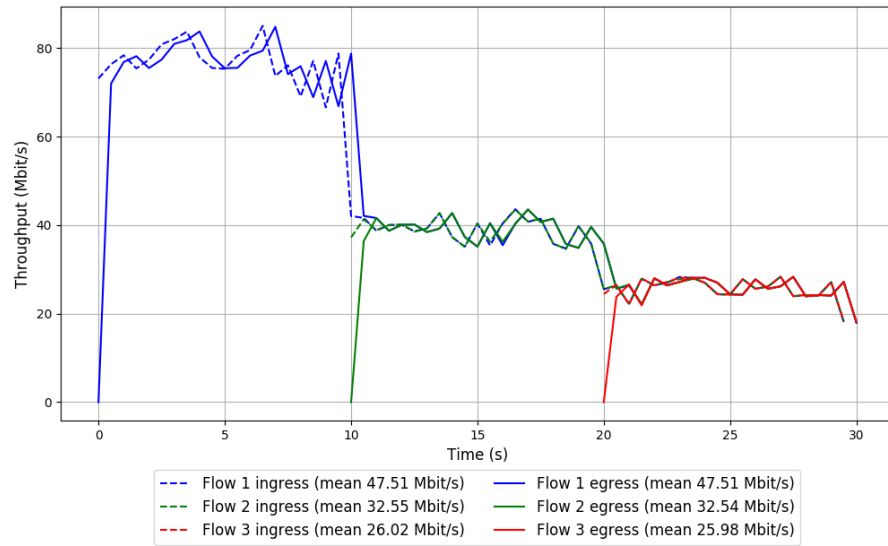


Run 4: Statistics of Indigo

Start at: 2018-08-22 19:57:03
End at: 2018-08-22 19:57:33
Local clock offset: -3.714 ms
Remote clock offset: -5.486 ms

Below is generated by plot.py at 2018-08-22 22:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 11.876 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 11.070 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 12.411 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 13.165 ms
Loss rate: 0.21%

Run 4: Report of Indigo — Data Link

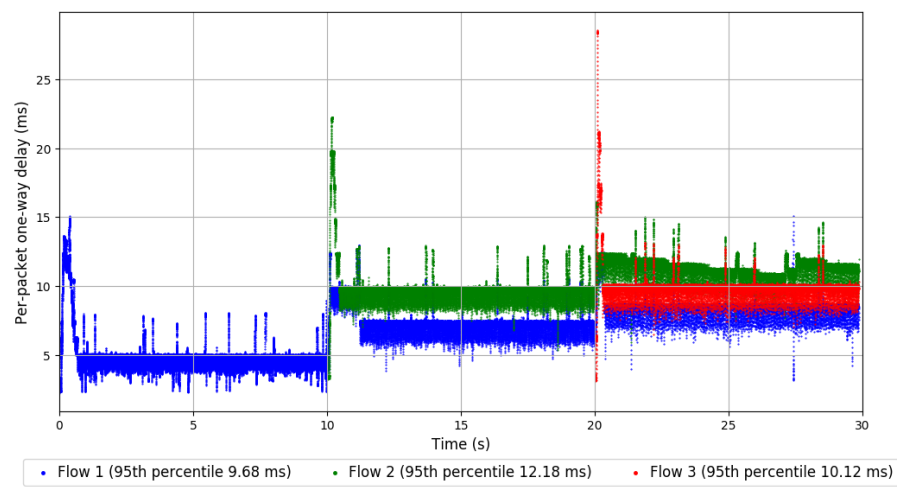
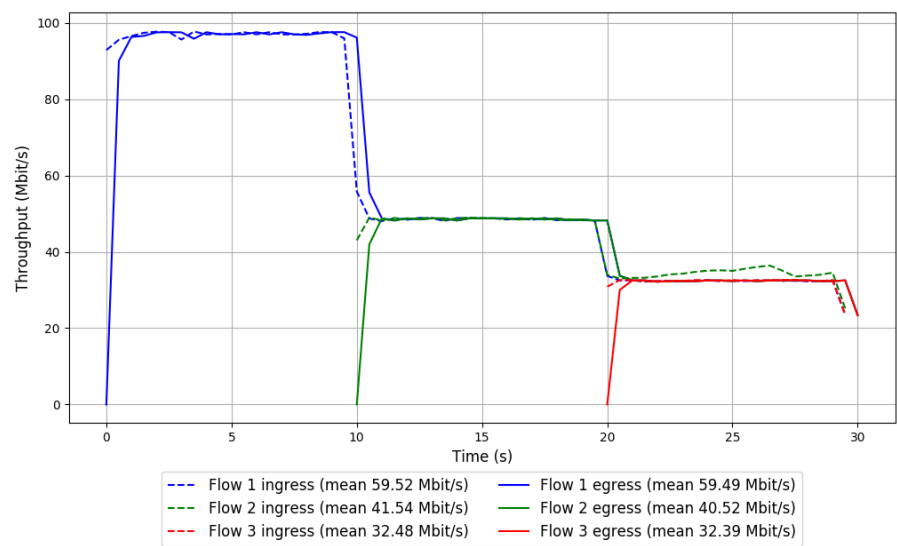


Run 5: Statistics of Indigo

Start at: 2018-08-22 20:16:06
End at: 2018-08-22 20:16:36
Local clock offset: -3.731 ms
Remote clock offset: -13.367 ms

Below is generated by plot.py at 2018-08-22 22:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 11.647 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 9.679 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 12.176 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link

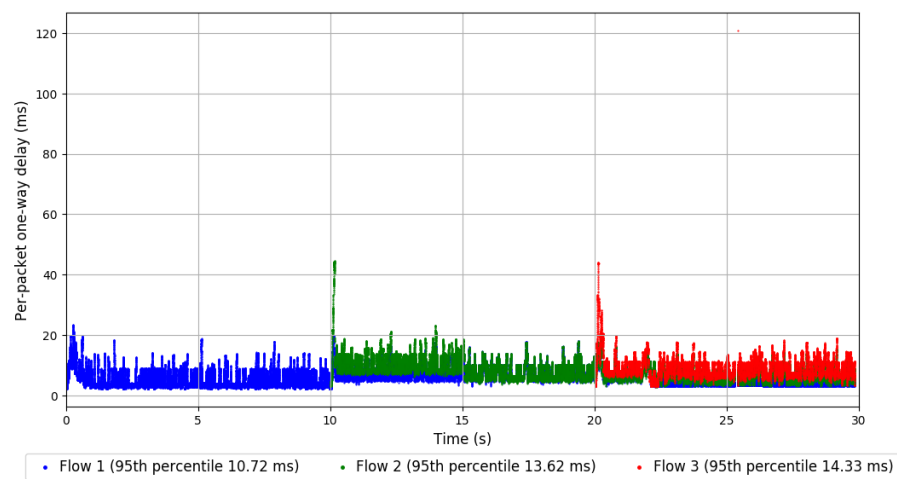
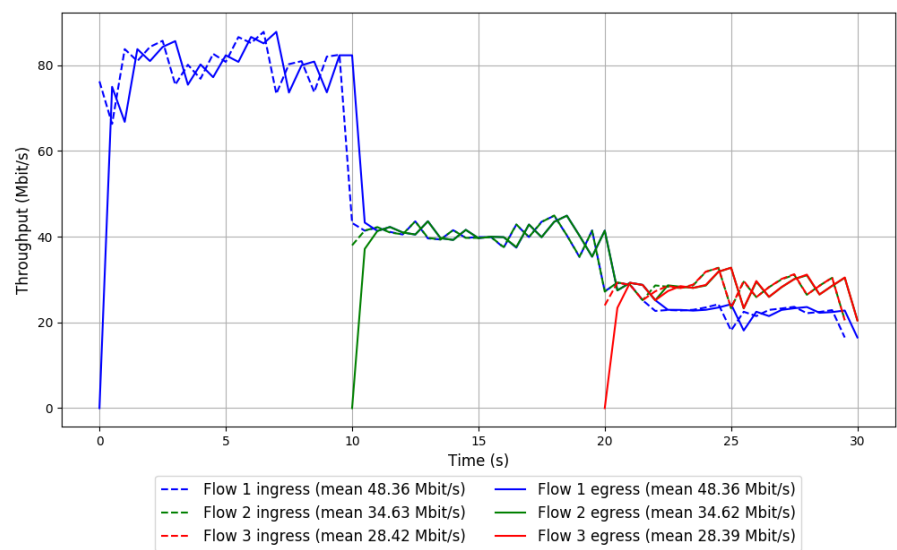


Run 6: Statistics of Indigo

Start at: 2018-08-22 20:35:07
End at: 2018-08-22 20:35:37
Local clock offset: -4.311 ms
Remote clock offset: -15.753 ms

Below is generated by plot.py at 2018-08-22 22:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 12.661 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 10.718 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 13.625 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 14.326 ms
Loss rate: 0.14%

Run 6: Report of Indigo — Data Link

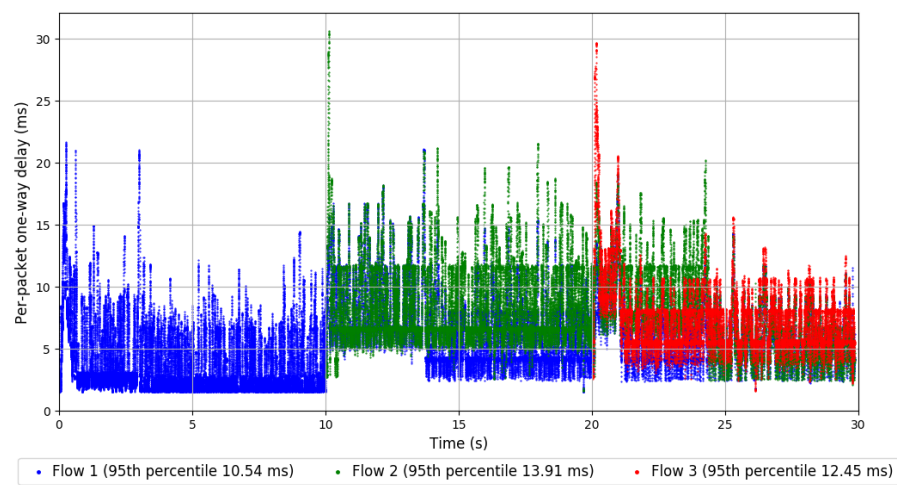
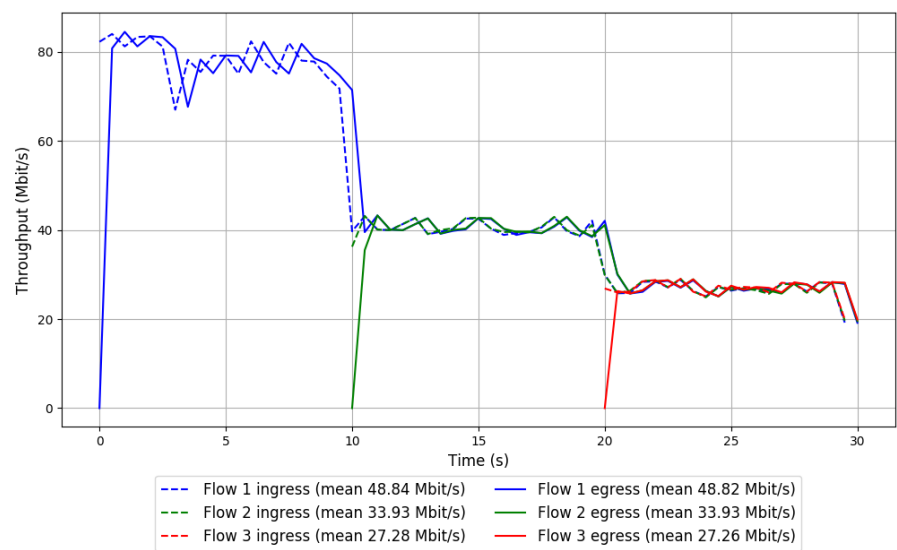


Run 7: Statistics of Indigo

Start at: 2018-08-22 20:54:08
End at: 2018-08-22 20:54:38
Local clock offset: -8.77 ms
Remote clock offset: -17.59 ms

Below is generated by plot.py at 2018-08-22 22:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 11.787 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 10.537 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.93 Mbit/s
95th percentile per-packet one-way delay: 13.915 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 12.454 ms
Loss rate: 0.13%

Run 7: Report of Indigo — Data Link

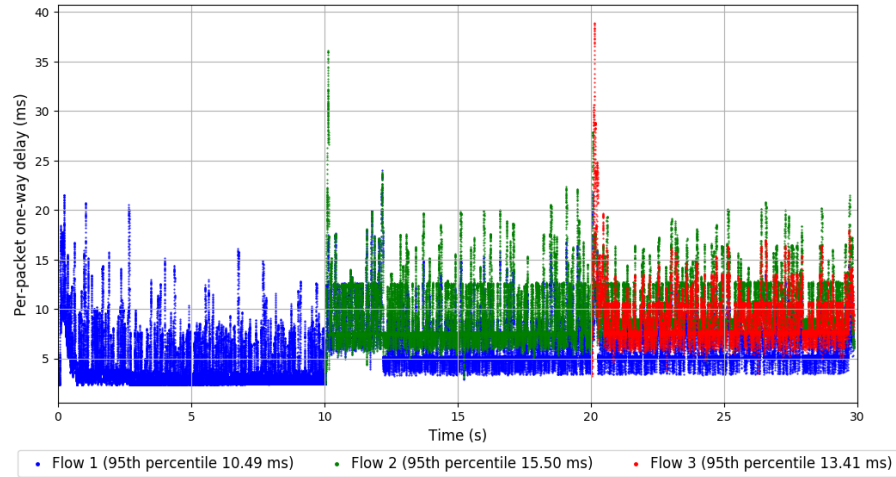
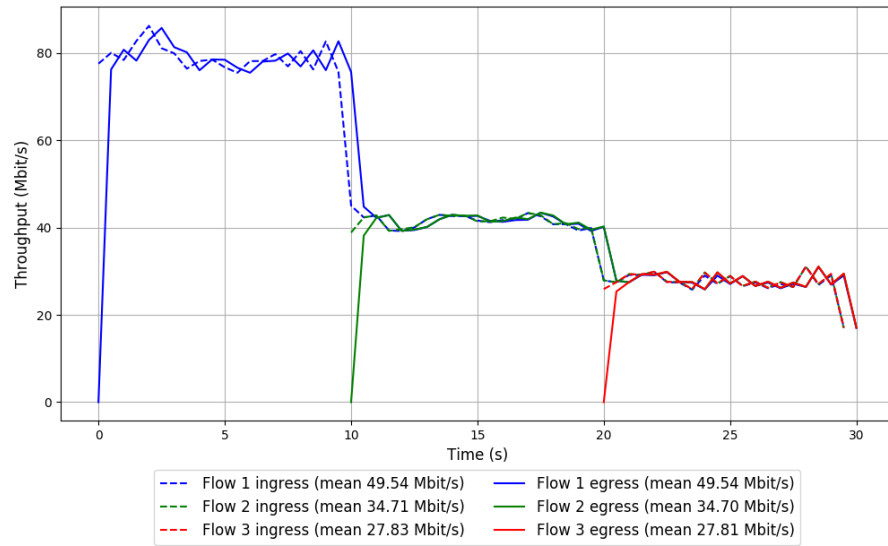


Run 8: Statistics of Indigo

Start at: 2018-08-22 21:13:10
End at: 2018-08-22 21:13:40
Local clock offset: -8.445 ms
Remote clock offset: -3.7 ms

```
# Below is generated by plot.py at 2018-08-22 22:22:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 12.760 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 10.489 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 15.498 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 13.406 ms
Loss rate: 0.12%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-22 21:32:09

End at: 2018-08-22 21:32:39

Local clock offset: -8.394 ms

Remote clock offset: 2.715 ms

Below is generated by plot.py at 2018-08-22 22:22:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 12.380 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 11.821 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 13.438 ms

Loss rate: 0.03%

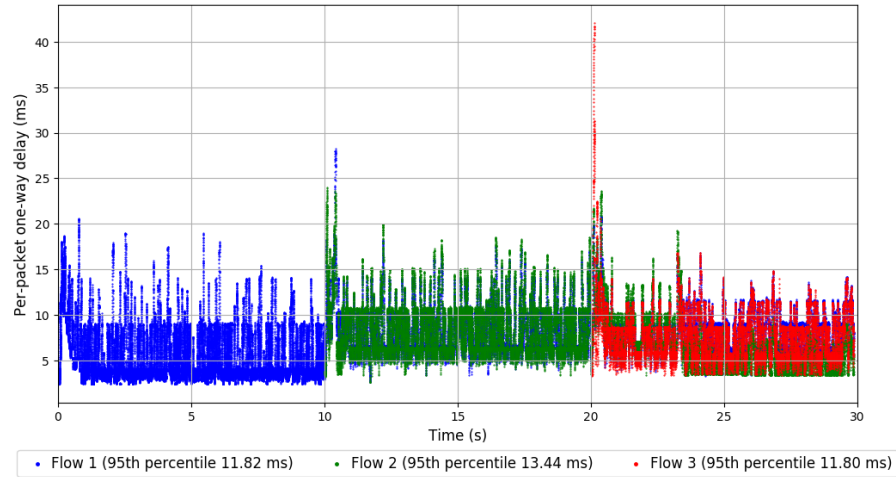
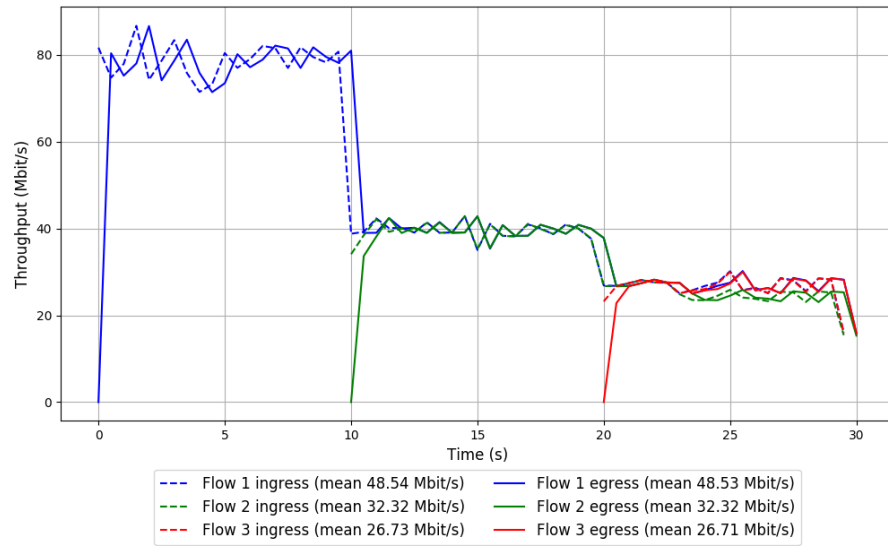
-- Flow 3:

Average throughput: 26.71 Mbit/s

95th percentile per-packet one-way delay: 11.803 ms

Loss rate: 0.10%

Run 9: Report of Indigo — Data Link

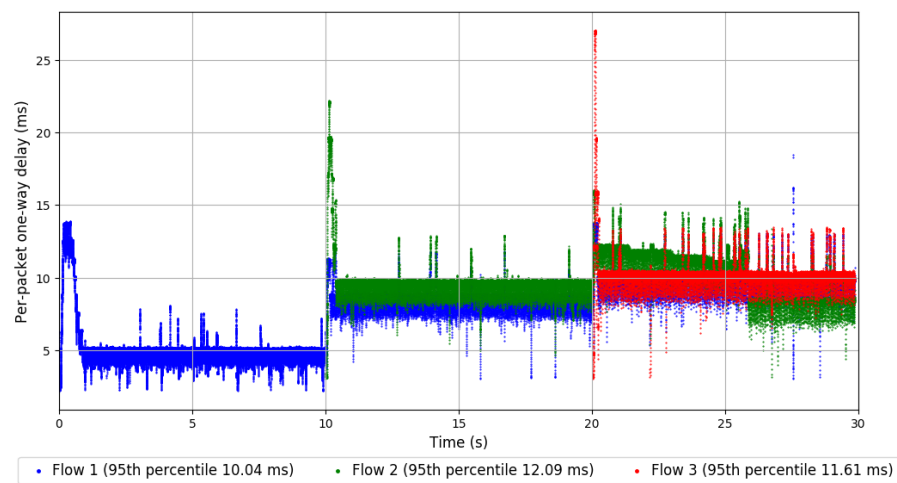
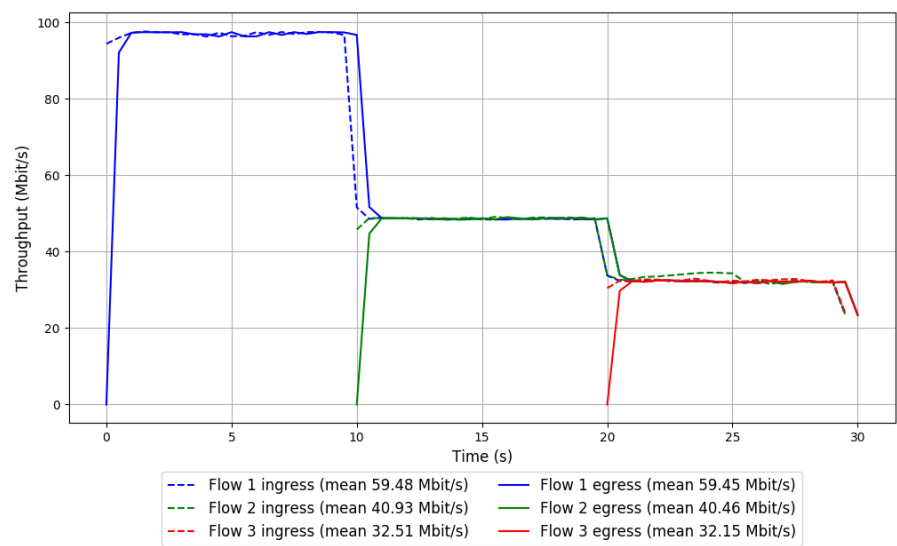


Run 10: Statistics of Indigo

Start at: 2018-08-22 21:51:16
End at: 2018-08-22 21:51:46
Local clock offset: -4.724 ms
Remote clock offset: -0.873 ms

Below is generated by plot.py at 2018-08-22 22:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 11.705 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 10.035 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 12.089 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 11.611 ms
Loss rate: 1.16%

Run 10: Report of Indigo — Data Link

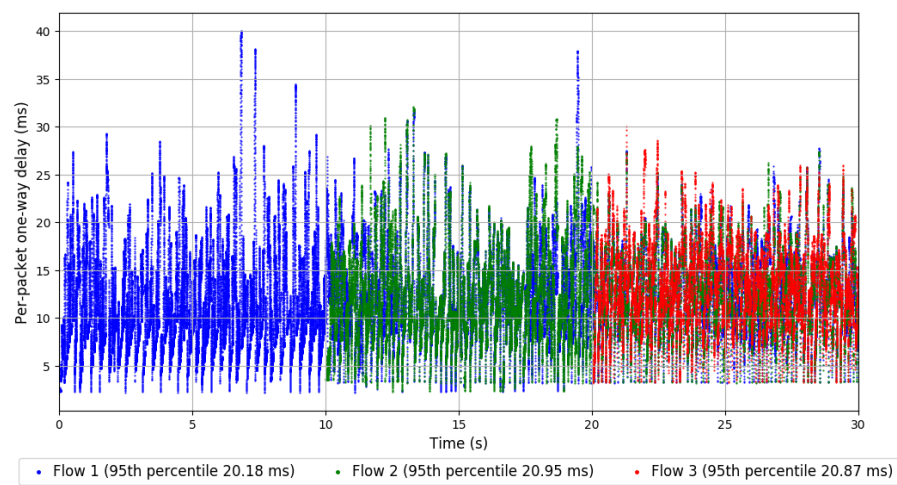
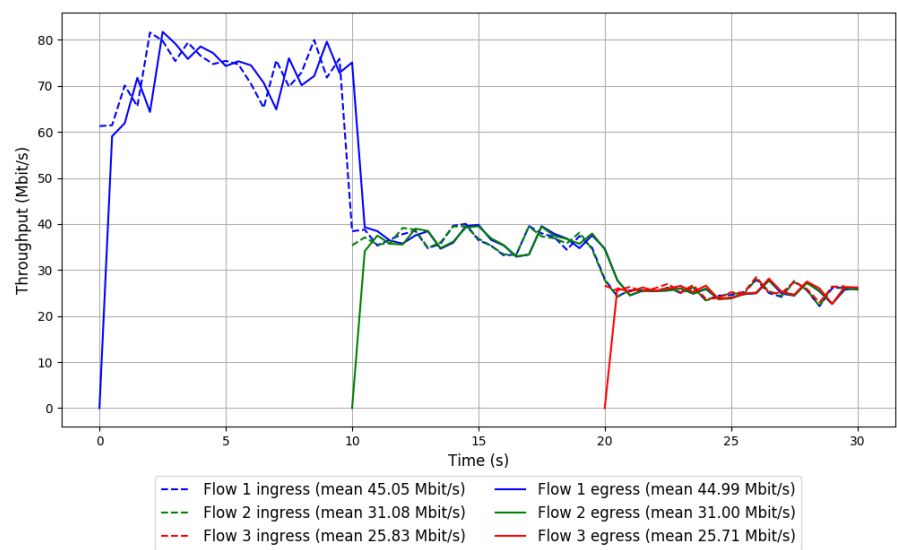


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 19:13:27
End at: 2018-08-22 19:13:57
Local clock offset: -2.958 ms
Remote clock offset: -8.311 ms

Below is generated by plot.py at 2018-08-22 22:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.18 Mbit/s
95th percentile per-packet one-way delay: 20.462 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 20.950 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 20.866 ms
Loss rate: 0.48%

Run 1: Report of LEDBAT — Data Link

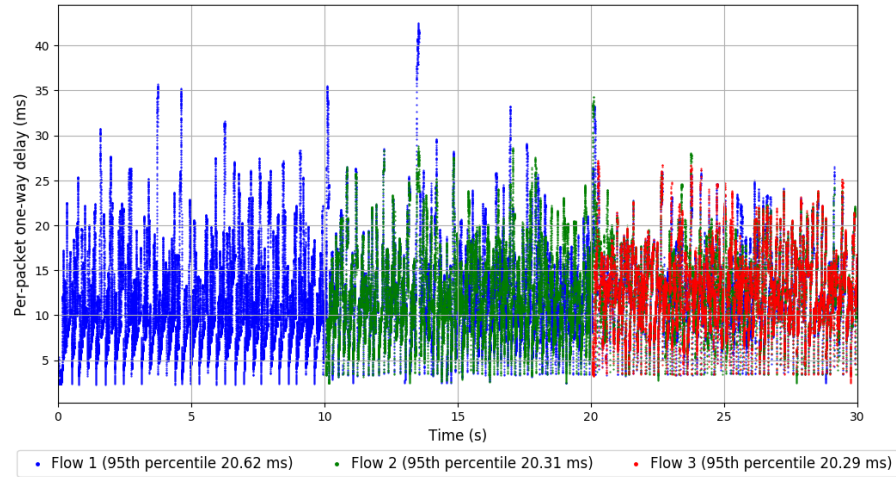
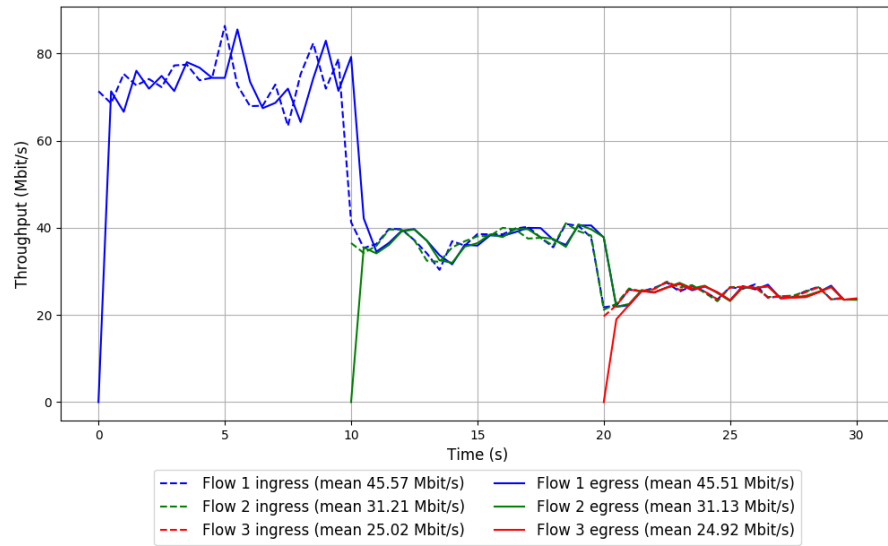


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 19:32:25
End at: 2018-08-22 19:32:55
Local clock offset: -3.266 ms
Remote clock offset: -1.993 ms

Below is generated by plot.py at 2018-08-22 22:22:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.53 Mbit/s
95th percentile per-packet one-way delay: 20.498 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 20.625 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 20.312 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 20.292 ms
Loss rate: 0.45%

Run 2: Report of LEDBAT — Data Link

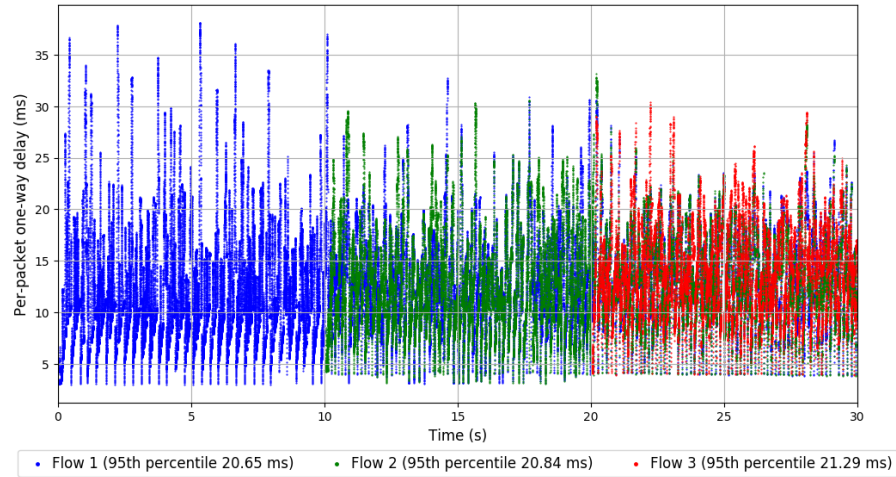
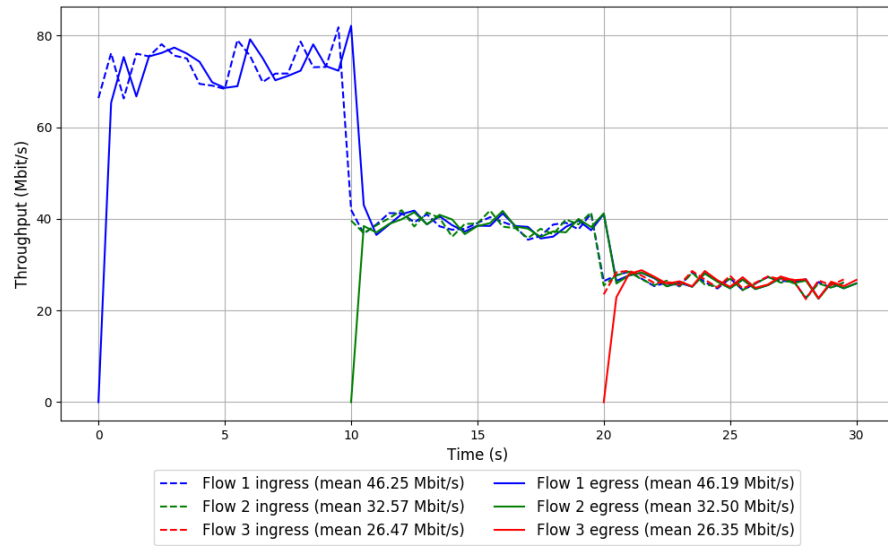


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 19:51:24
End at: 2018-08-22 19:51:54
Local clock offset: -2.183 ms
Remote clock offset: 0.814 ms

Below is generated by plot.py at 2018-08-22 22:22:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 20.830 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 46.19 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 20.842 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 21.289 ms
Loss rate: 0.49%

Run 3: Report of LEDBAT — Data Link

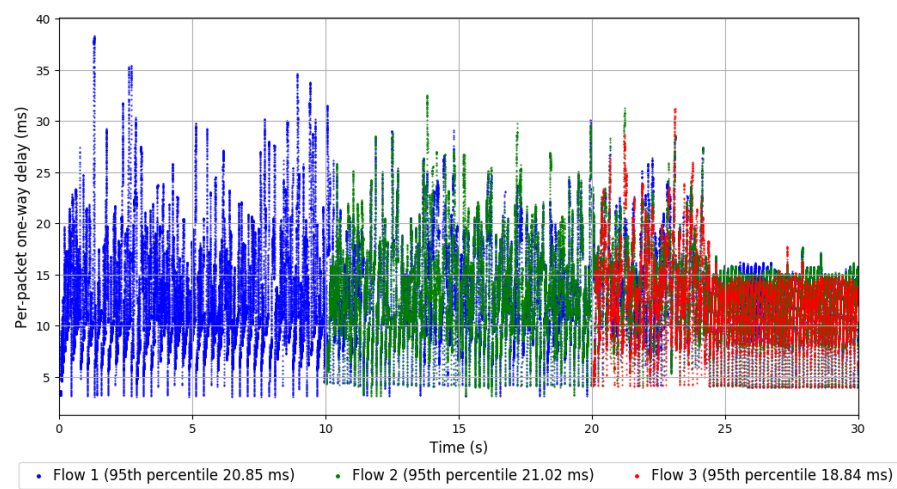
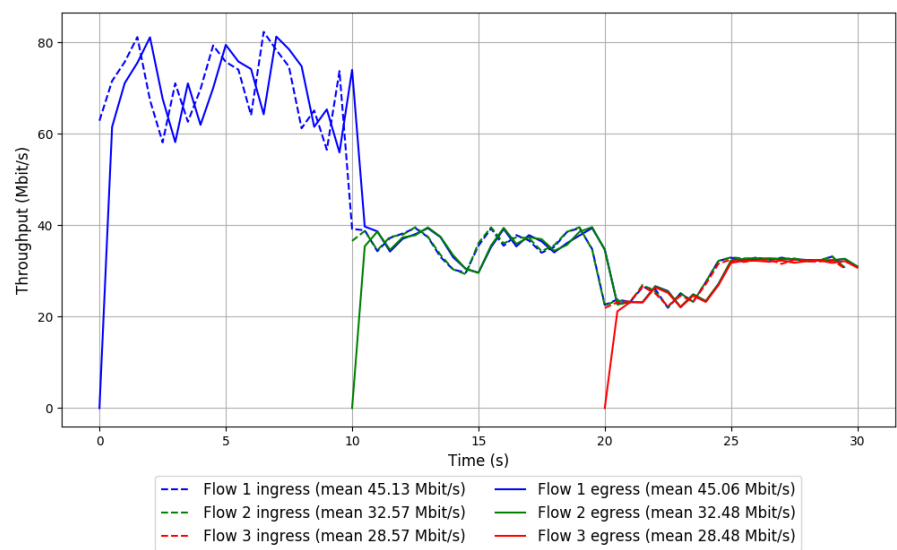


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 20:10:22
End at: 2018-08-22 20:10:52
Local clock offset: -2.479 ms
Remote clock offset: -12.153 ms

Below is generated by plot.py at 2018-08-22 22:22:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 20.687 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 20.848 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 18.840 ms
Loss rate: 0.38%

Run 4: Report of LEDBAT — Data Link

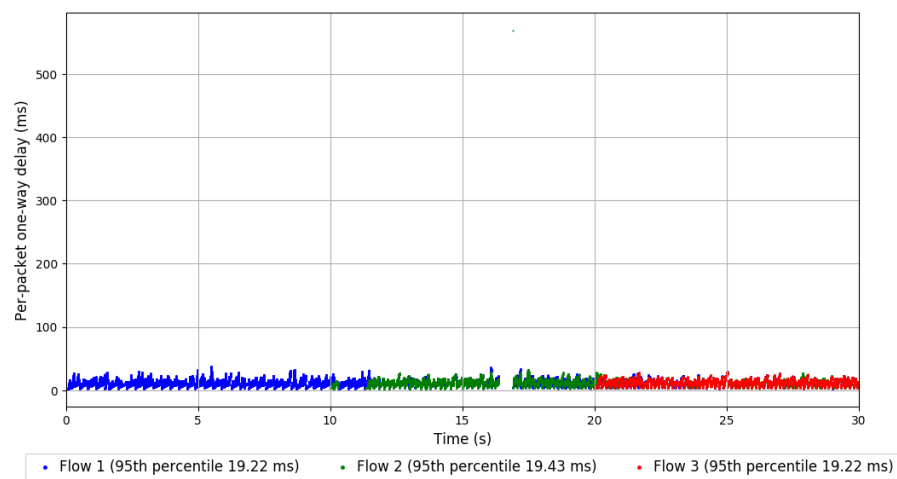
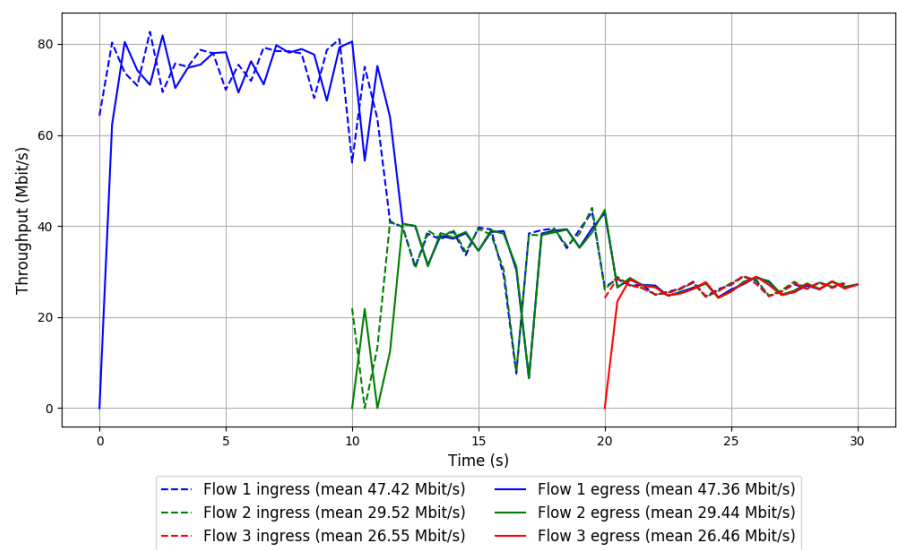


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 20:29:27
End at: 2018-08-22 20:29:57
Local clock offset: -4.173 ms
Remote clock offset: -15.125 ms

Below is generated by plot.py at 2018-08-22 22:22:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.76 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.41%

Run 5: Report of LEDBAT — Data Link

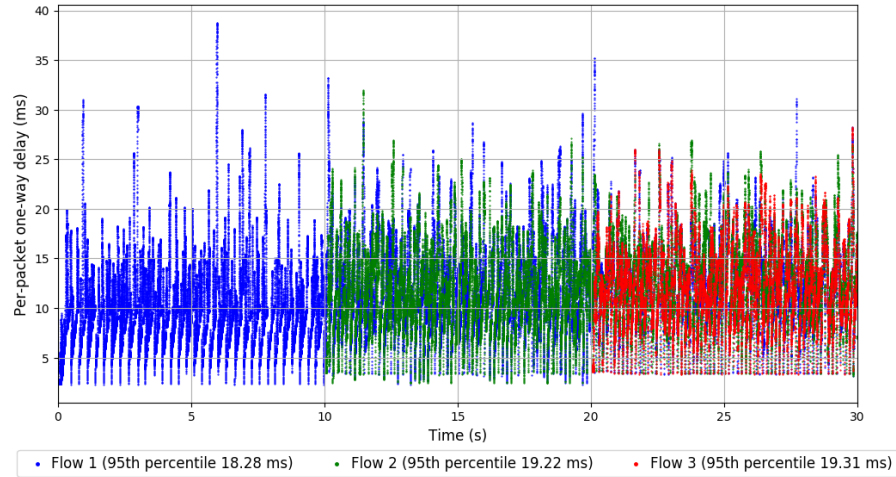
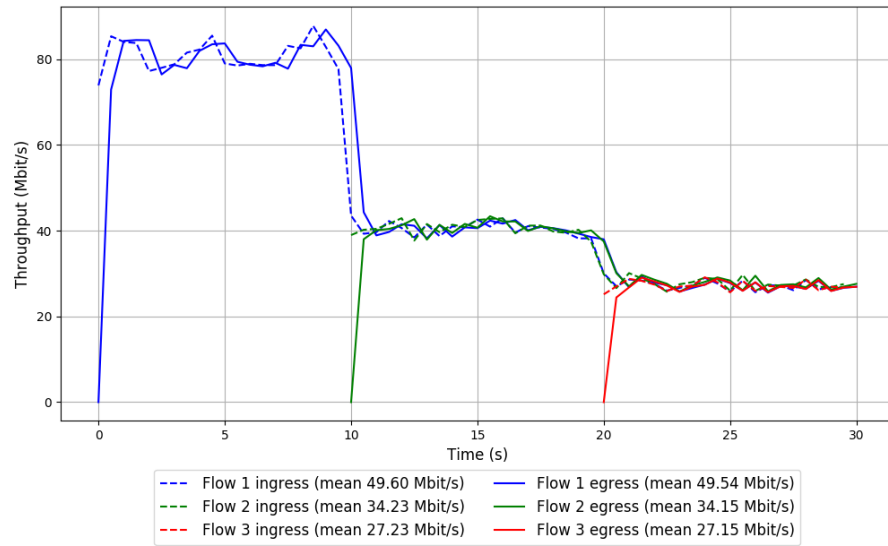


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 20:48:28
End at: 2018-08-22 20:48:58
Local clock offset: -7.257 ms
Remote clock offset: -17.054 ms

Below is generated by plot.py at 2018-08-22 22:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 18.718 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 18.280 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.38%

Run 6: Report of LEDBAT — Data Link

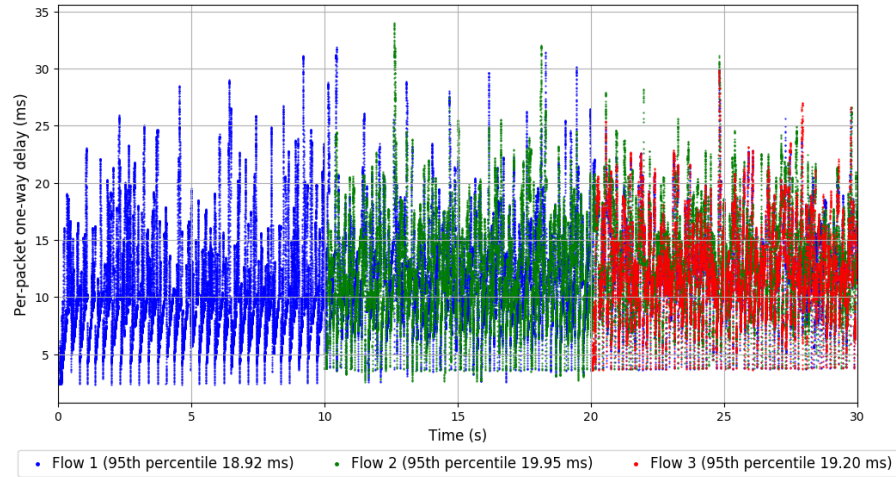
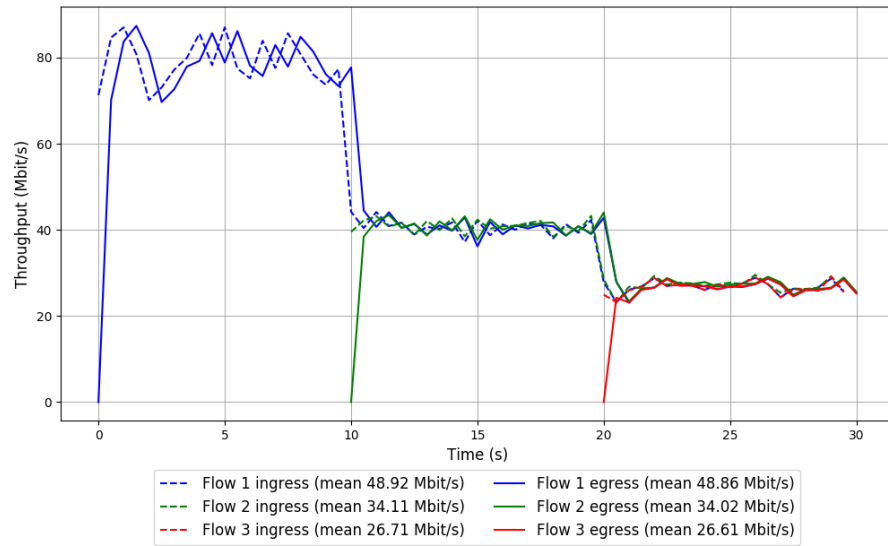


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 21:07:30
End at: 2018-08-22 21:08:00
Local clock offset: -8.851 ms
Remote clock offset: -7.901 ms

Below is generated by plot.py at 2018-08-22 22:23:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 18.917 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 19.950 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.45%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-22 21:26:30

End at: 2018-08-22 21:27:00

Local clock offset: -9.039 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-08-22 22:23:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.52 Mbit/s

95th percentile per-packet one-way delay: 18.735 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 18.141 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 19.579 ms

Loss rate: 0.27%

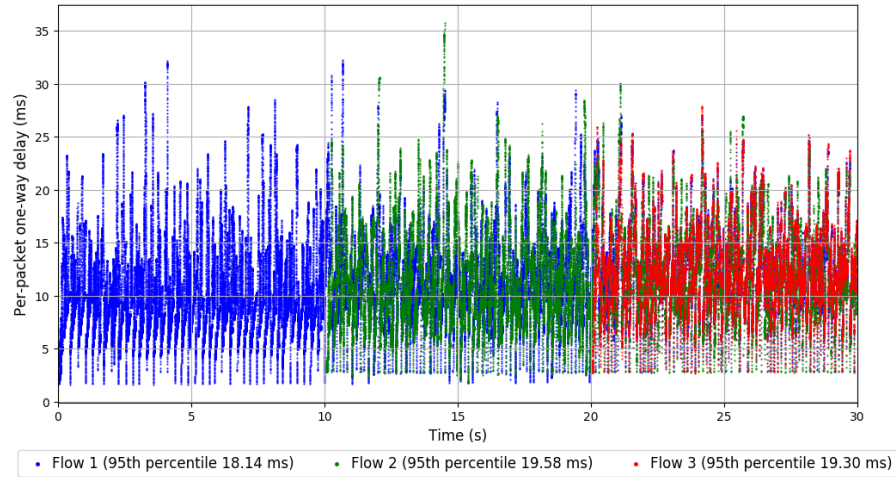
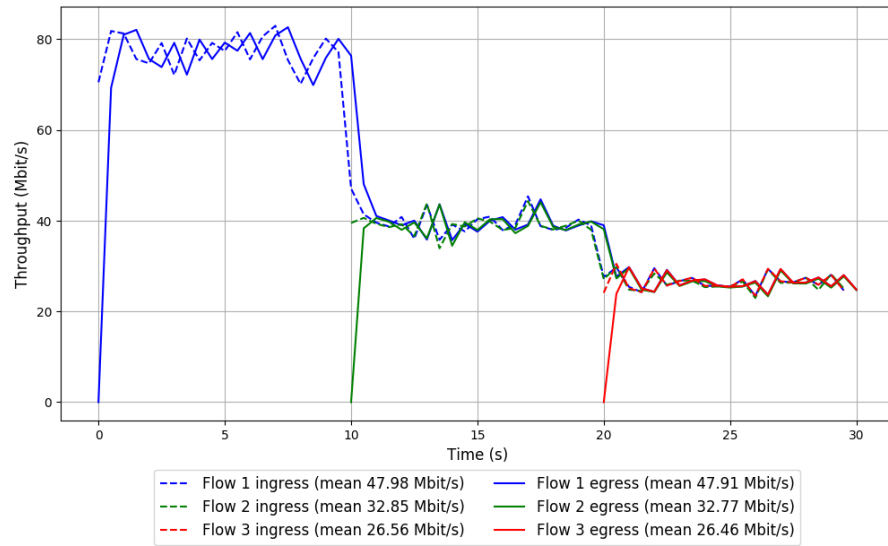
-- Flow 3:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 19.305 ms

Loss rate: 0.41%

Run 8: Report of LEDBAT — Data Link

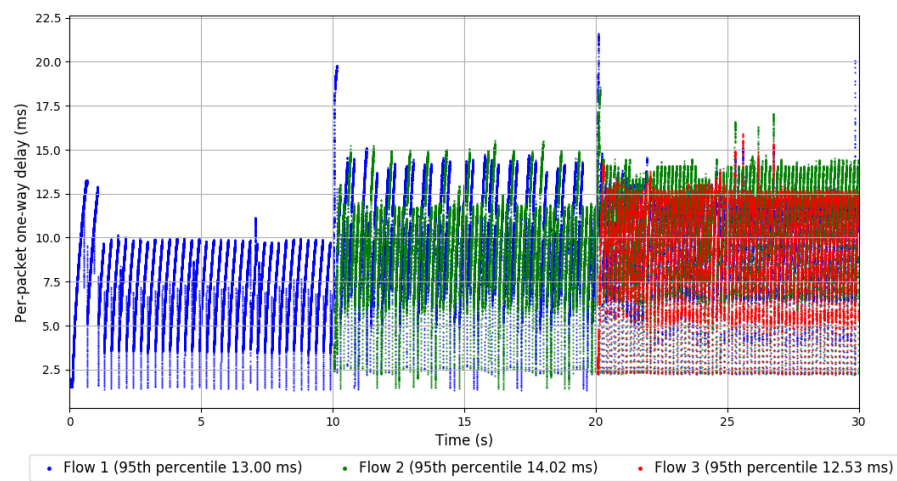
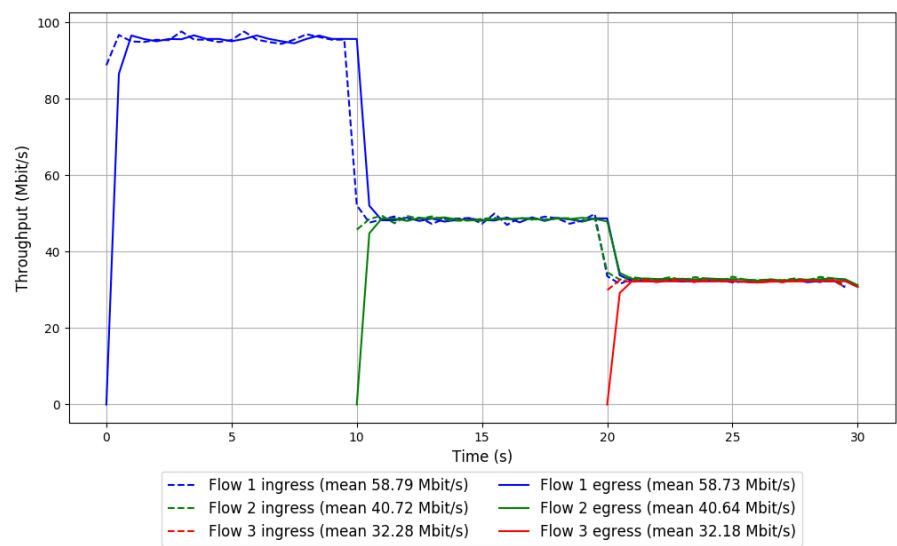


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 21:45:30
End at: 2018-08-22 21:46:00
Local clock offset: -6.372 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-08-22 22:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 13.500 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 12.999 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 14.016 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 12.529 ms
Loss rate: 0.34%

Run 9: Report of LEDBAT — Data Link

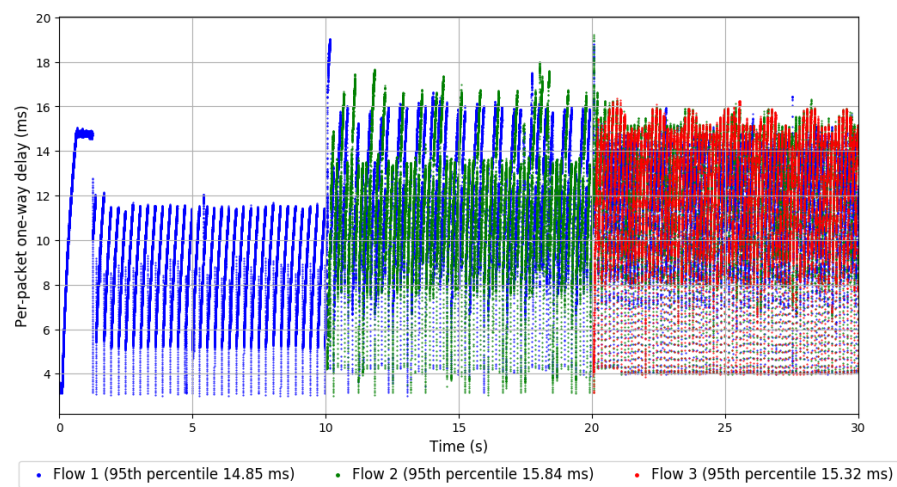
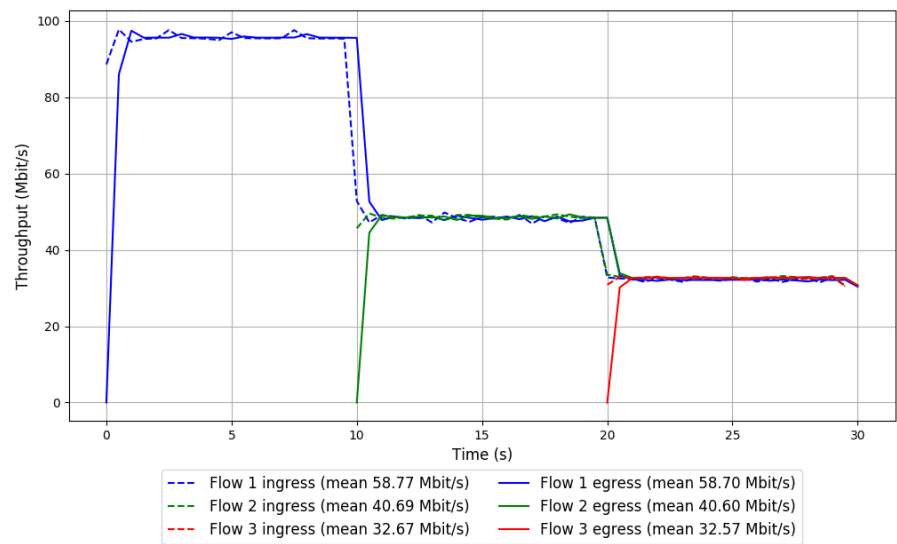


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 22:04:40
End at: 2018-08-22 22:05:10
Local clock offset: -2.933 ms
Remote clock offset: -0.819 ms

Below is generated by plot.py at 2018-08-22 22:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 15.258 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 14.845 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 15.844 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 15.322 ms
Loss rate: 0.36%

Run 10: Report of LEDBAT — Data Link

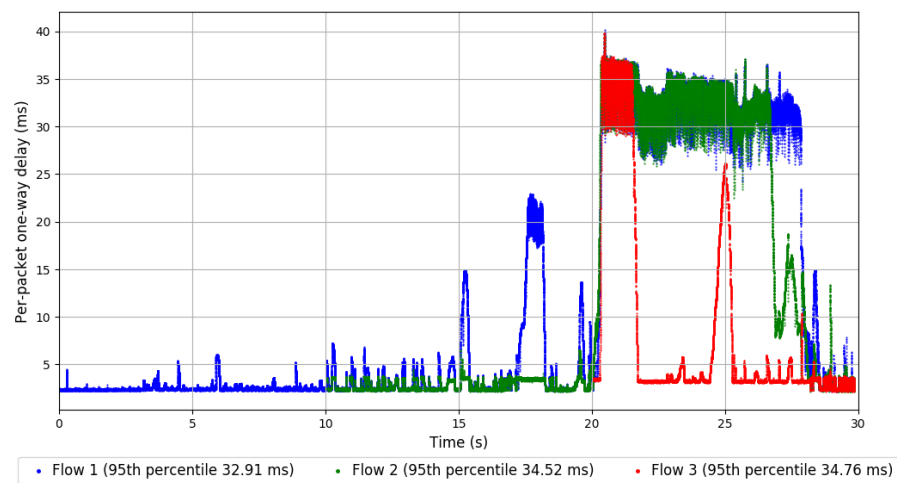
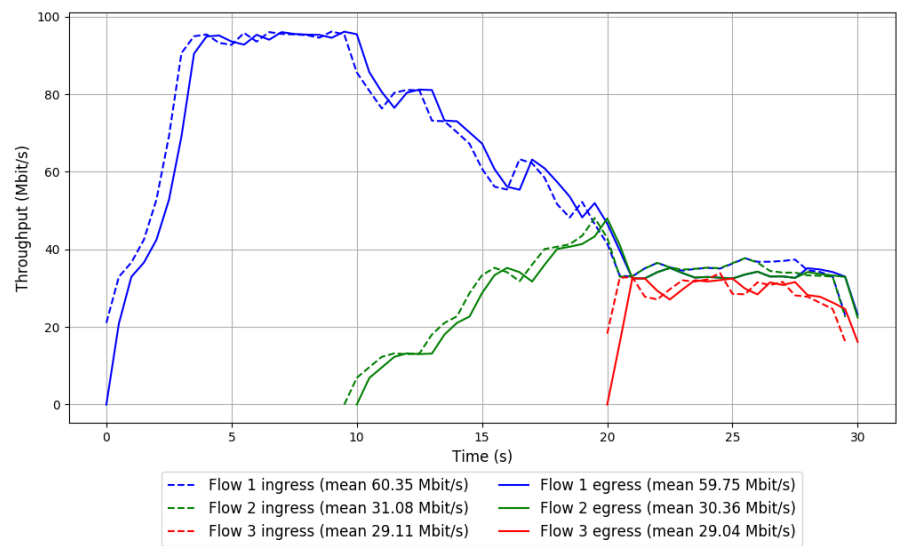


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 19:05:38
End at: 2018-08-22 19:06:08
Local clock offset: -2.428 ms
Remote clock offset: -7.764 ms

Below is generated by plot.py at 2018-08-22 22:23:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 33.734 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 32.910 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 34.523 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 34.763 ms
Loss rate: 0.31%

Run 1: Report of PCC-Allegro — Data Link

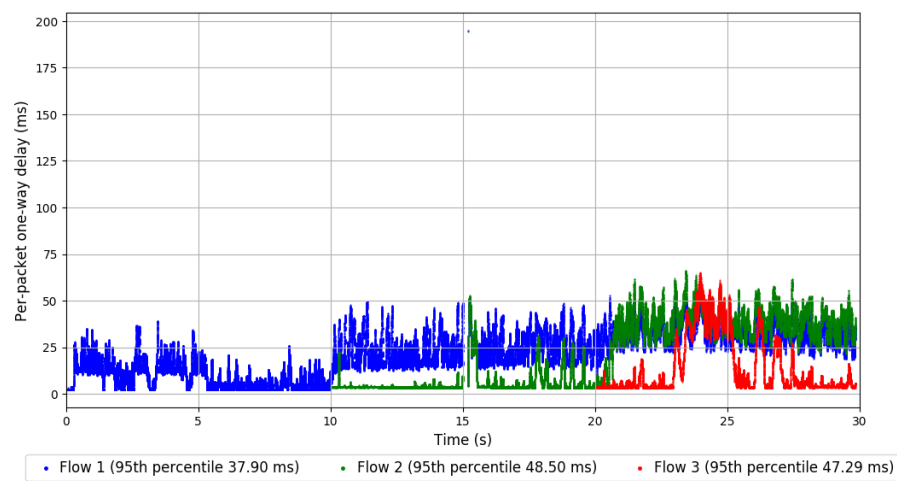
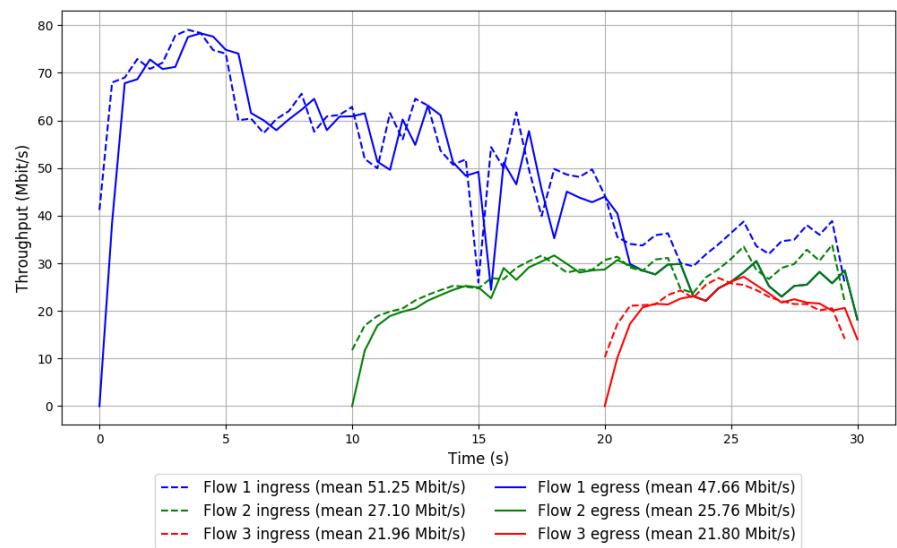


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 19:24:38
End at: 2018-08-22 19:25:08
Local clock offset: -3.307 ms
Remote clock offset: -4.534 ms

Below is generated by plot.py at 2018-08-22 22:23:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 42.907 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 37.901 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 48.502 ms
Loss rate: 4.99%
-- Flow 3:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 47.292 ms
Loss rate: 0.95%

Run 2: Report of PCC-Allegro — Data Link

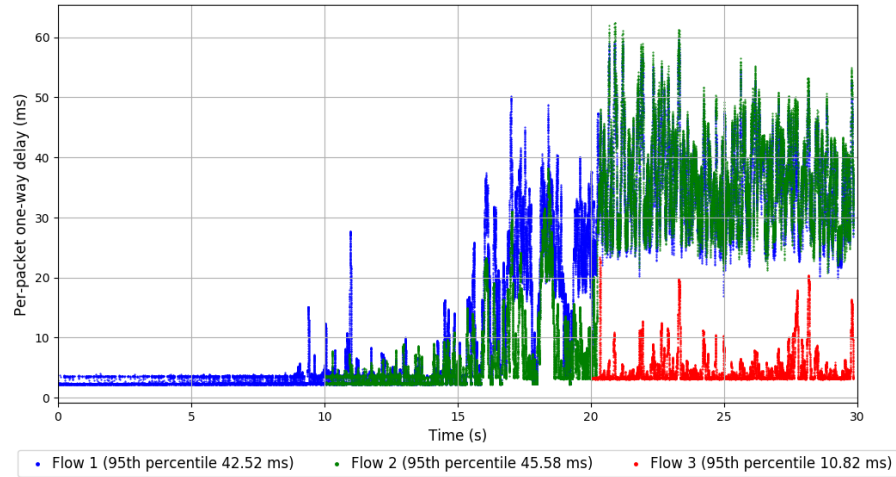
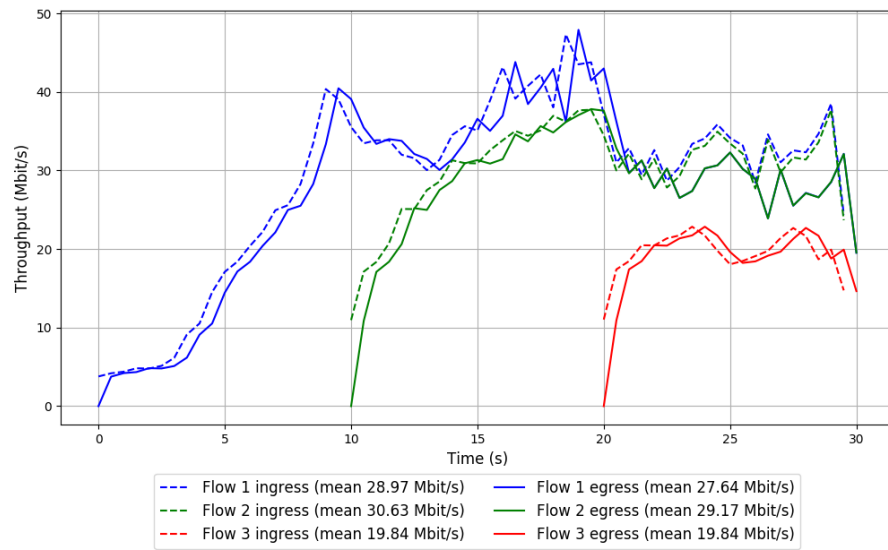


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 19:43:36
End at: 2018-08-22 19:44:06
Local clock offset: -3.09 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-22 22:23:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 43.211 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 27.64 Mbit/s
95th percentile per-packet one-way delay: 42.519 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 45.581 ms
Loss rate: 4.87%
-- Flow 3:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 10.824 ms
Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link

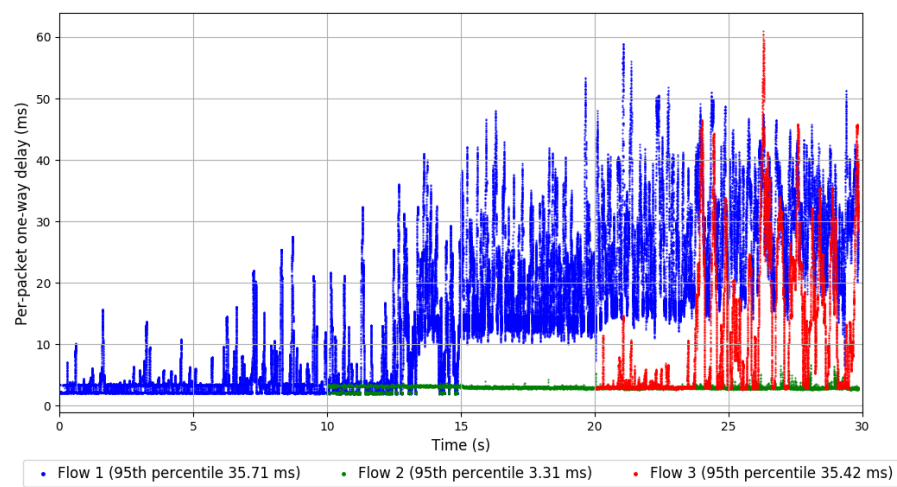
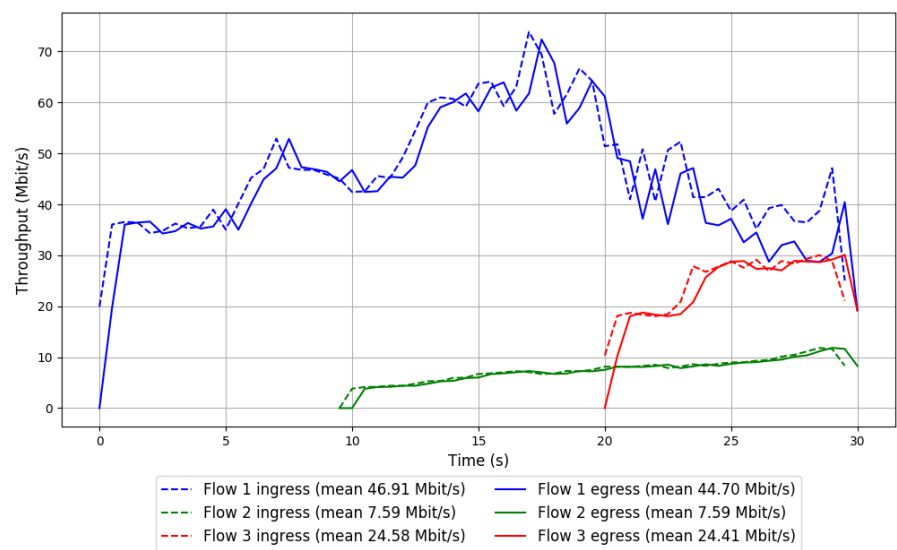


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 20:02:36
End at: 2018-08-22 20:03:06
Local clock offset: -2.884 ms
Remote clock offset: -9.239 ms

```
# Below is generated by plot.py at 2018-08-22 22:23:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.80 Mbit/s
95th percentile per-packet one-way delay: 35.044 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 35.714 ms
Loss rate: 4.76%
-- Flow 2:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 3.312 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 35.424 ms
Loss rate: 0.81%
```

Run 4: Report of PCC-Allegro — Data Link

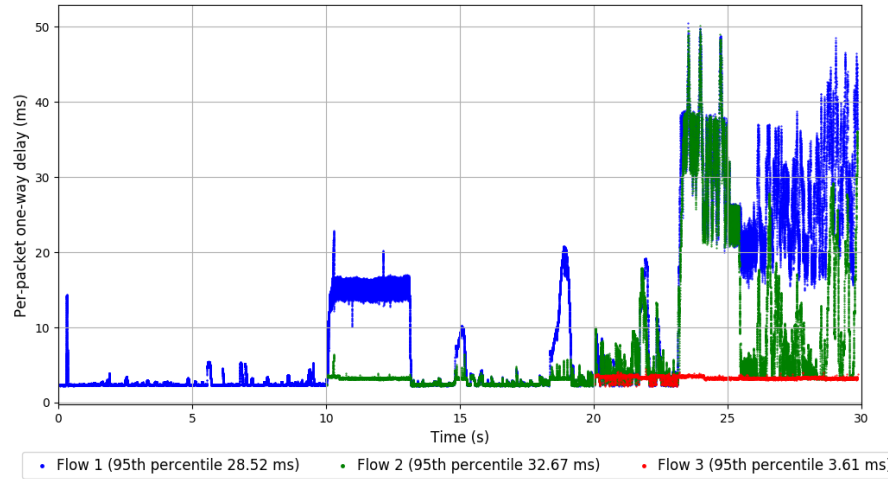
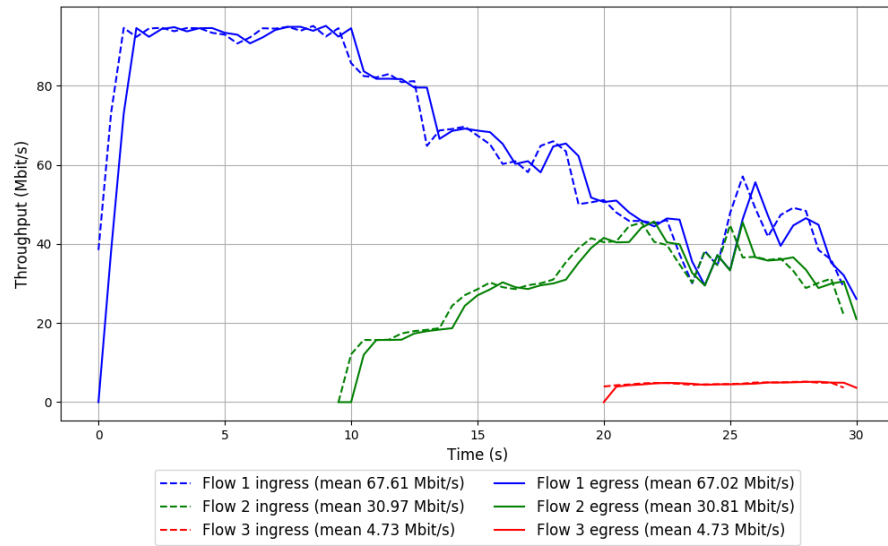


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 20:21:40
End at: 2018-08-22 20:22:10
Local clock offset: -3.96 ms
Remote clock offset: -14.22 ms

Below is generated by plot.py at 2018-08-22 22:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 29.498 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 67.02 Mbit/s
95th percentile per-packet one-way delay: 28.517 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 3.611 ms
Loss rate: 0.05%

Run 5: Report of PCC-Allegro — Data Link

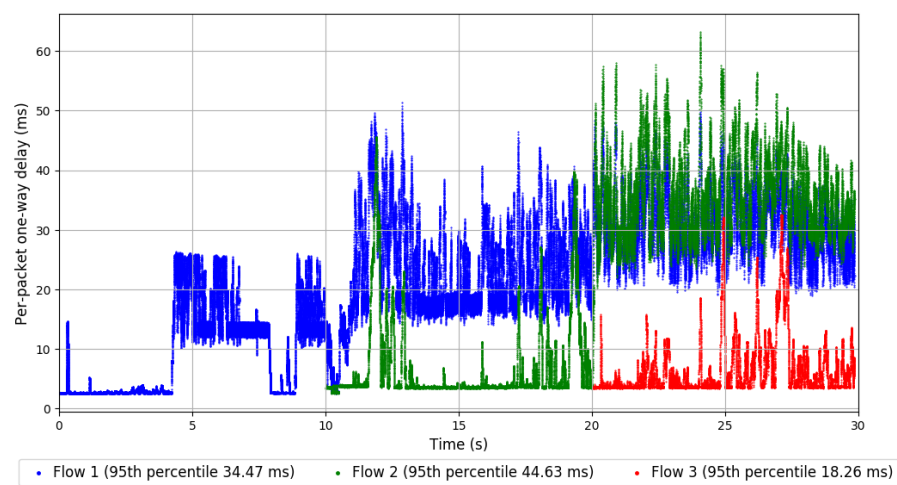
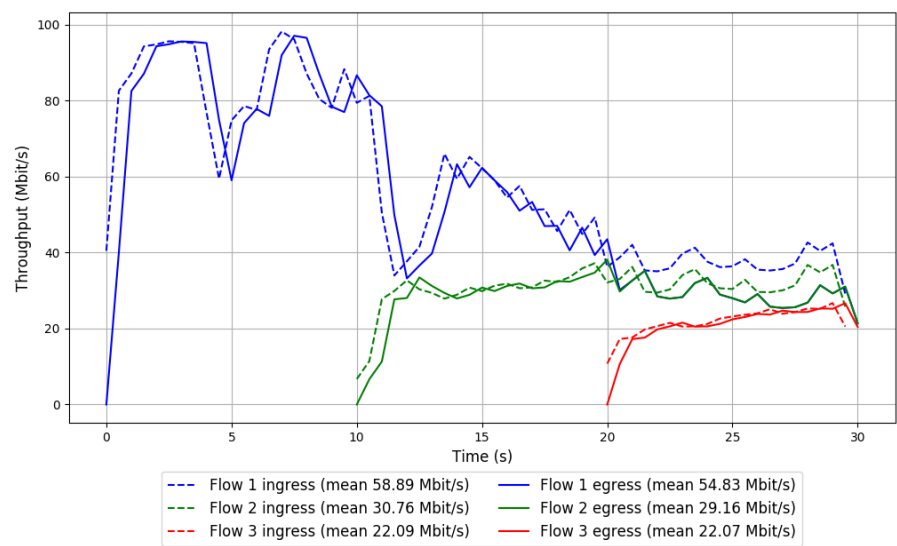


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 20:40:40
End at: 2018-08-22 20:41:10
Local clock offset: -5.596 ms
Remote clock offset: -16.439 ms

Below is generated by plot.py at 2018-08-22 22:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 38.174 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 44.631 ms
Loss rate: 5.28%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 18.260 ms
Loss rate: 0.15%

Run 6: Report of PCC-Allegro — Data Link

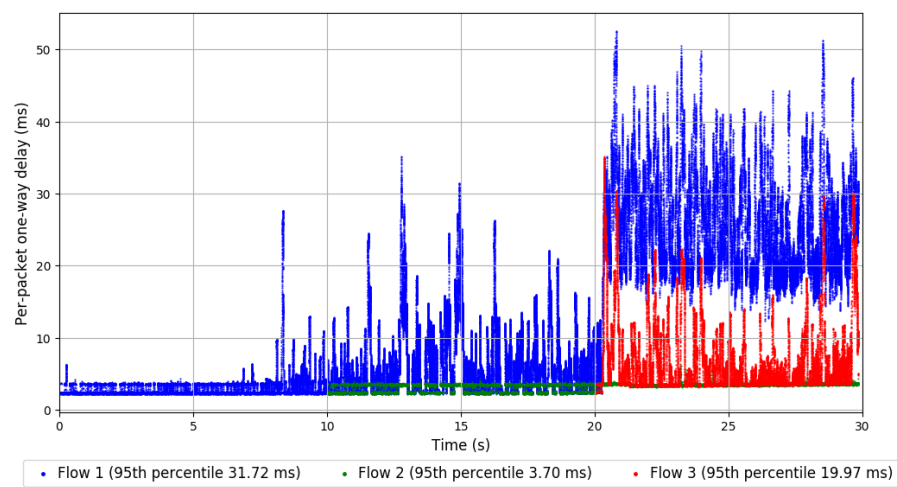
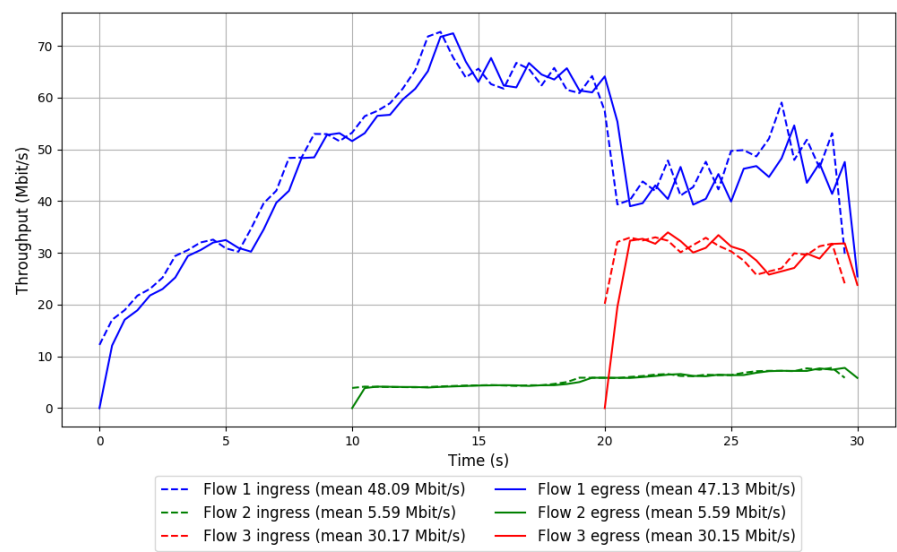


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 20:59:42
End at: 2018-08-22 21:00:12
Local clock offset: -8.41 ms
Remote clock offset: -18.037 ms

Below is generated by plot.py at 2018-08-22 22:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 30.166 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 31.716 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 3.702 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 19.970 ms
Loss rate: 0.13%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 21:18:43

End at: 2018-08-22 21:19:13

Local clock offset: -9.069 ms

Remote clock offset: -1.13 ms

Below is generated by plot.py at 2018-08-22 22:24:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 37.368 ms

Loss rate: 4.61%

-- Flow 1:

Average throughput: 33.38 Mbit/s

95th percentile per-packet one-way delay: 35.689 ms

Loss rate: 6.17%

-- Flow 2:

Average throughput: 25.93 Mbit/s

95th percentile per-packet one-way delay: 41.787 ms

Loss rate: 3.03%

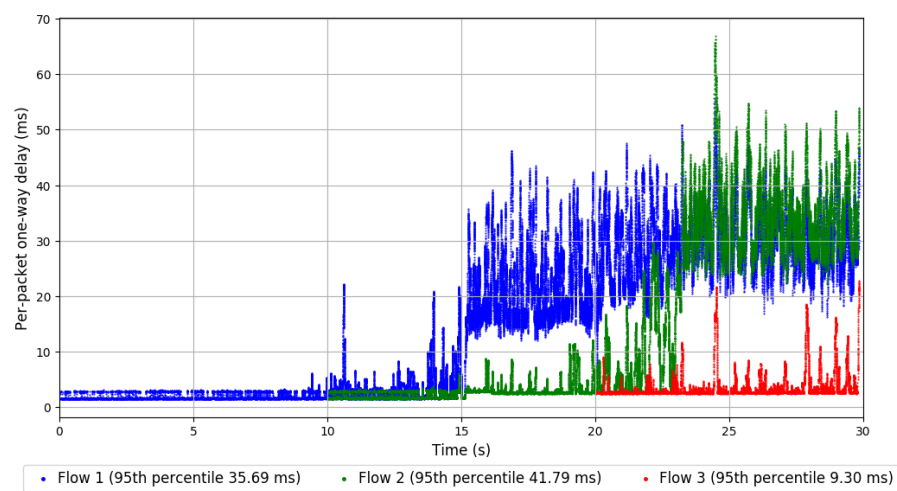
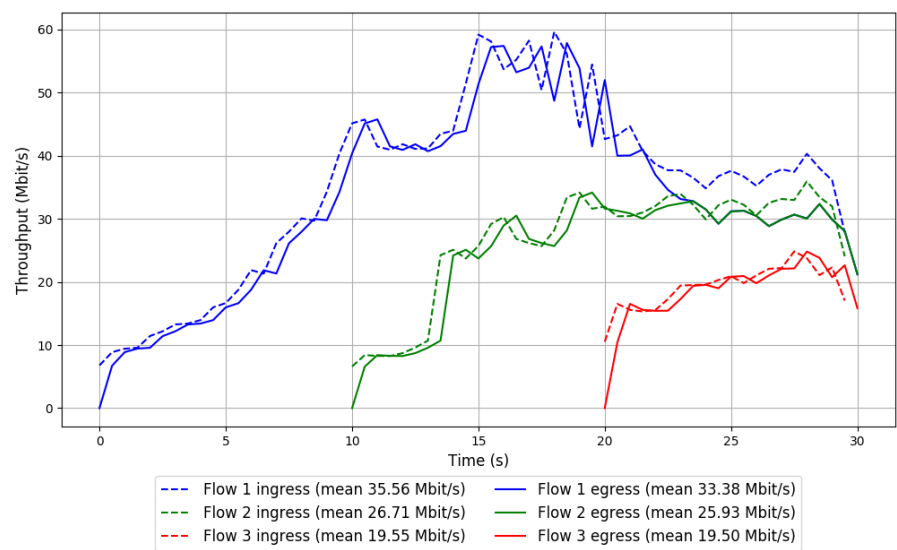
-- Flow 3:

Average throughput: 19.50 Mbit/s

95th percentile per-packet one-way delay: 9.299 ms

Loss rate: 0.35%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 21:37:41

End at: 2018-08-22 21:38:11

Local clock offset: -7.323 ms

Remote clock offset: 1.479 ms

Below is generated by plot.py at 2018-08-22 22:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 41.294 ms

Loss rate: 6.64%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 34.485 ms

Loss rate: 8.20%

-- Flow 2:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 44.761 ms

Loss rate: 1.94%

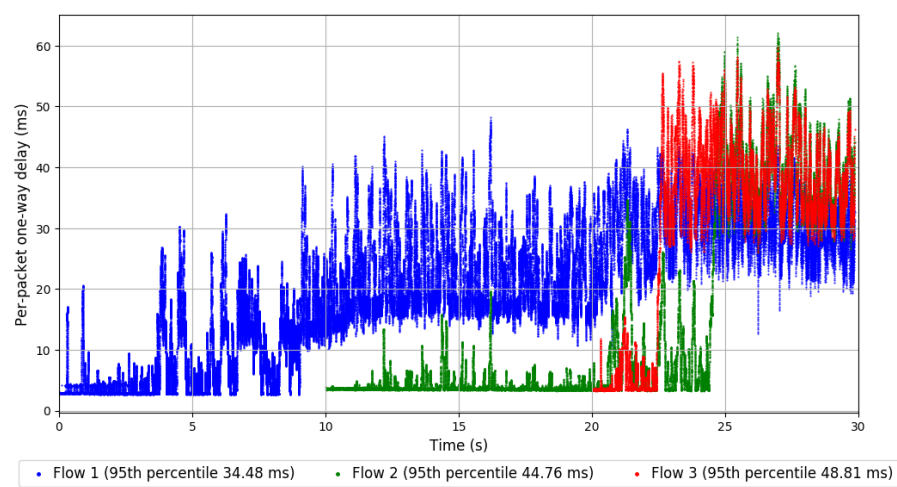
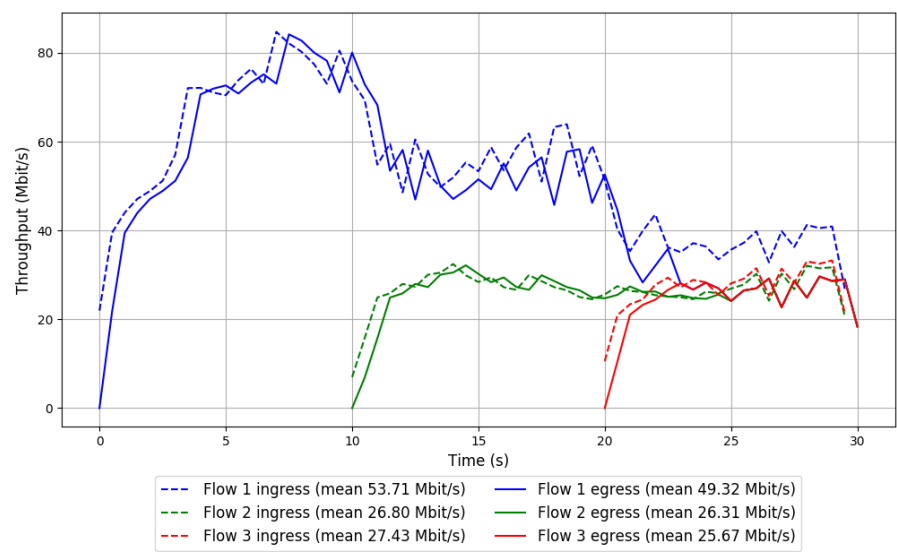
-- Flow 3:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 48.814 ms

Loss rate: 6.63%

Run 9: Report of PCC-Allegro — Data Link

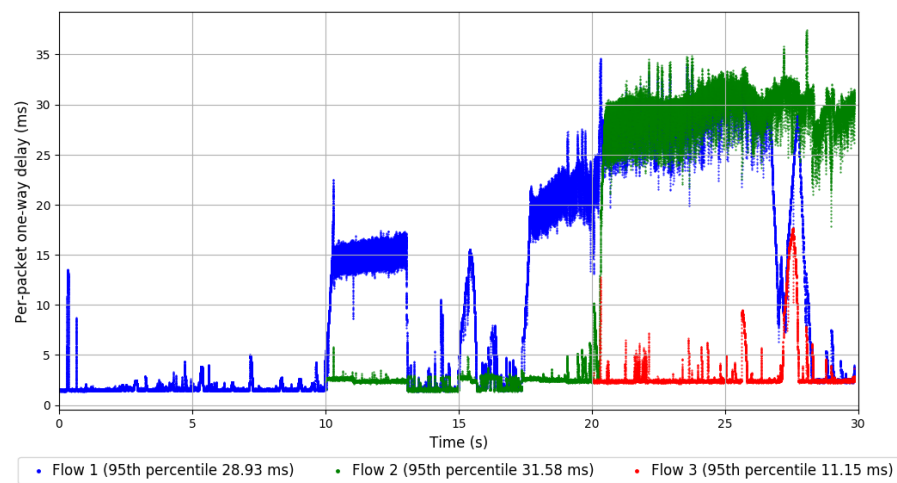
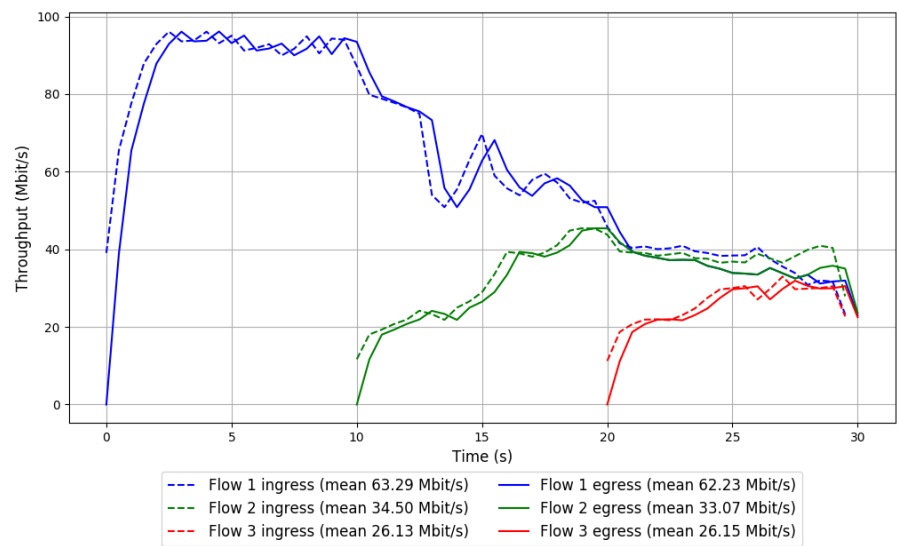


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 21:56:50
End at: 2018-08-22 21:57:20
Local clock offset: -4.944 ms
Remote clock offset: -0.948 ms

Below is generated by plot.py at 2018-08-22 22:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 30.207 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 28.931 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.12%

Run 10: Report of PCC-Allegro — Data Link

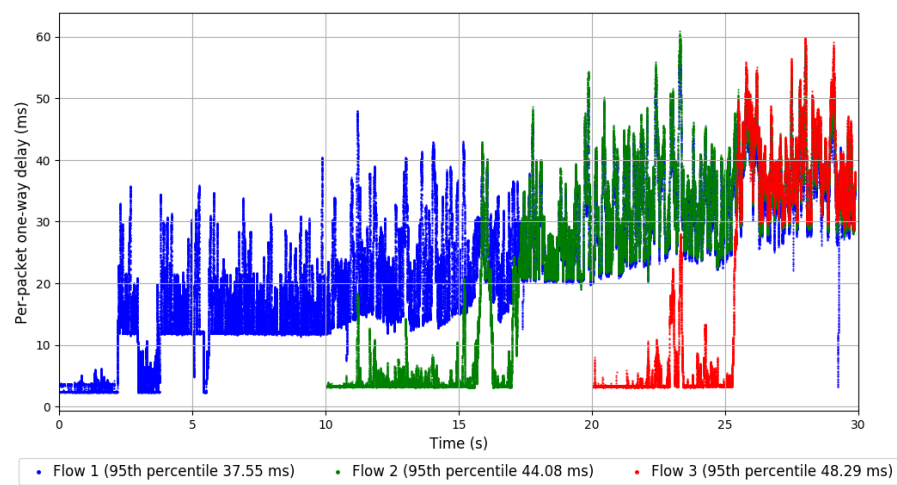
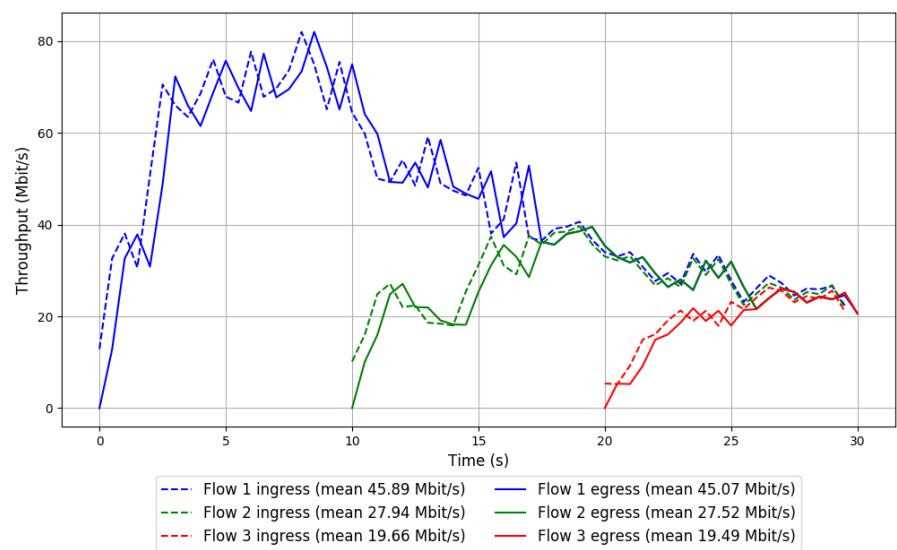


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 19:15:41
End at: 2018-08-22 19:16:11
Local clock offset: -3.055 ms
Remote clock offset: -8.476 ms

# Below is generated by plot.py at 2018-08-22 22:25:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 41.686 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 37.548 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 44.077 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 48.287 ms
Loss rate: 1.00%
```

Run 1: Report of PCC-Expr — Data Link

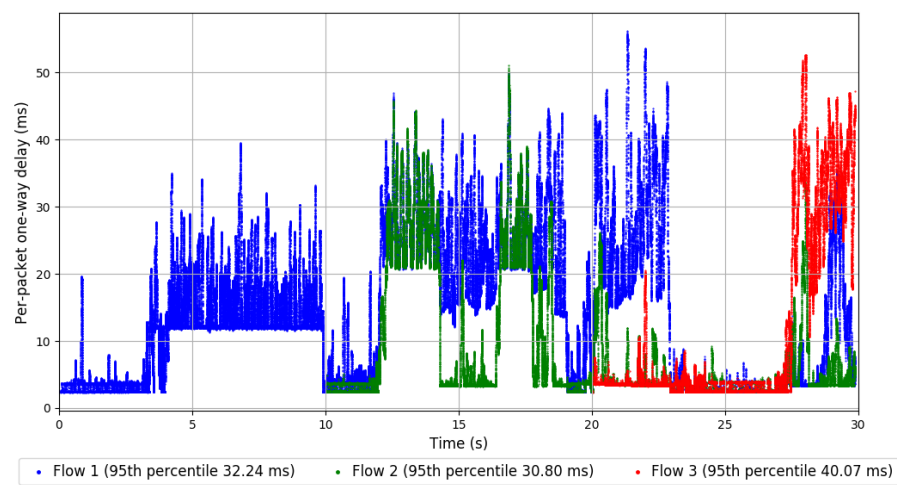
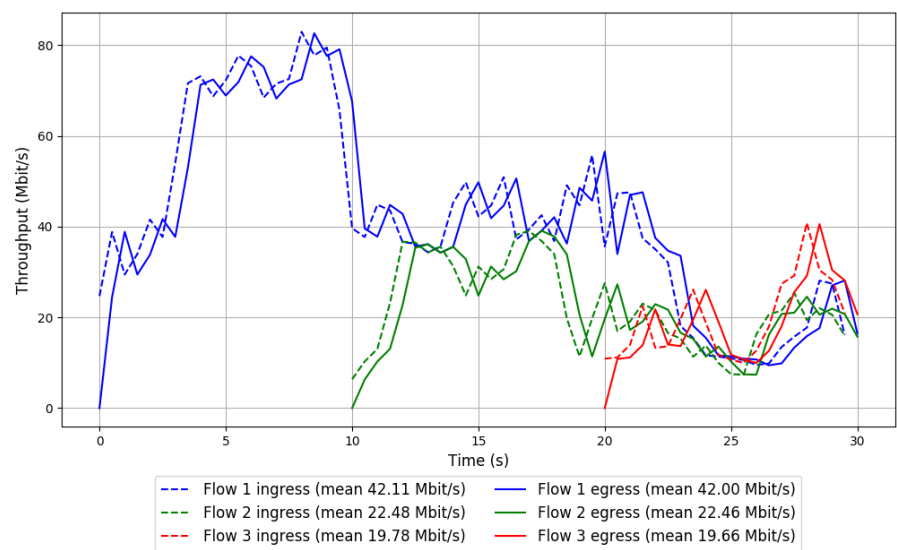


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 19:34:39
End at: 2018-08-22 19:35:09
Local clock offset: -3.268 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-08-22 22:25:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 33.603 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 32.241 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: 30.797 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 40.073 ms
Loss rate: 0.65%

Run 2: Report of PCC-Expr — Data Link

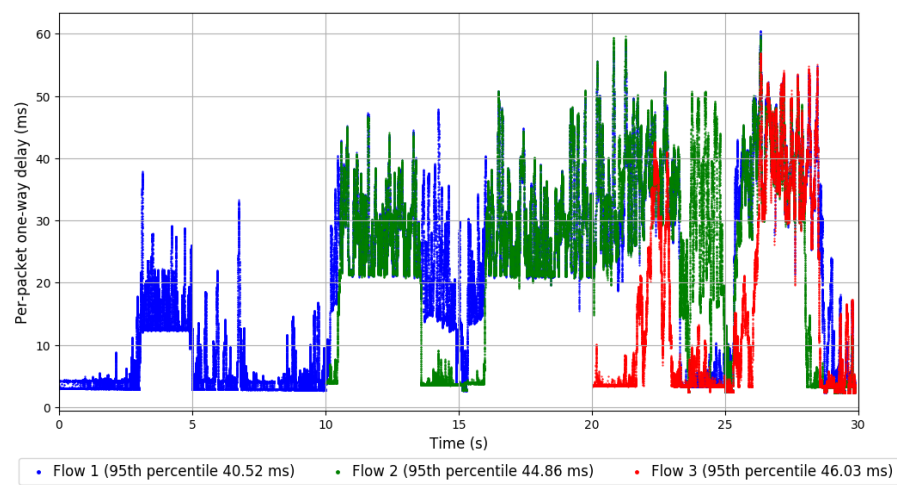
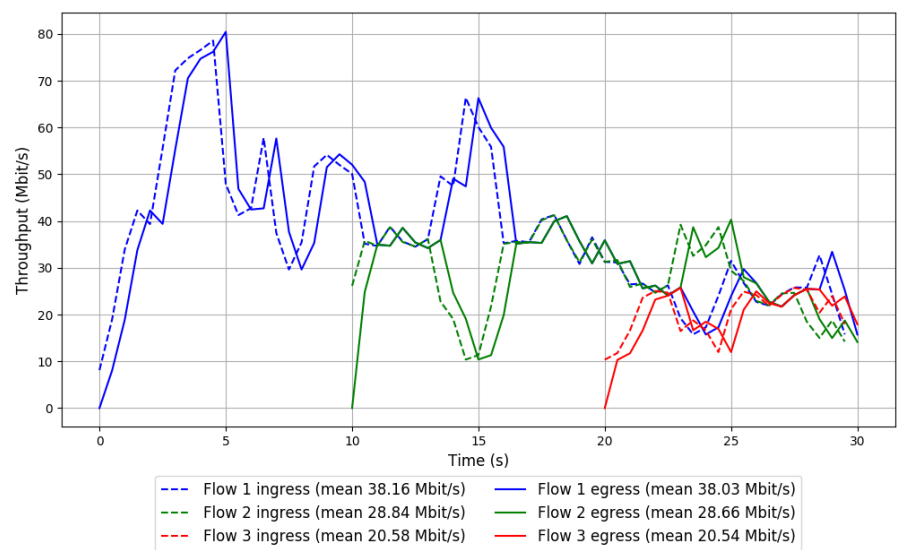


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 19:53:38
End at: 2018-08-22 19:54:08
Local clock offset: -2.145 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2018-08-22 22:25:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.86 Mbit/s
95th percentile per-packet one-way delay: 43.029 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 40.516 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 44.856 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 46.035 ms
Loss rate: 0.25%

Run 3: Report of PCC-Expr — Data Link

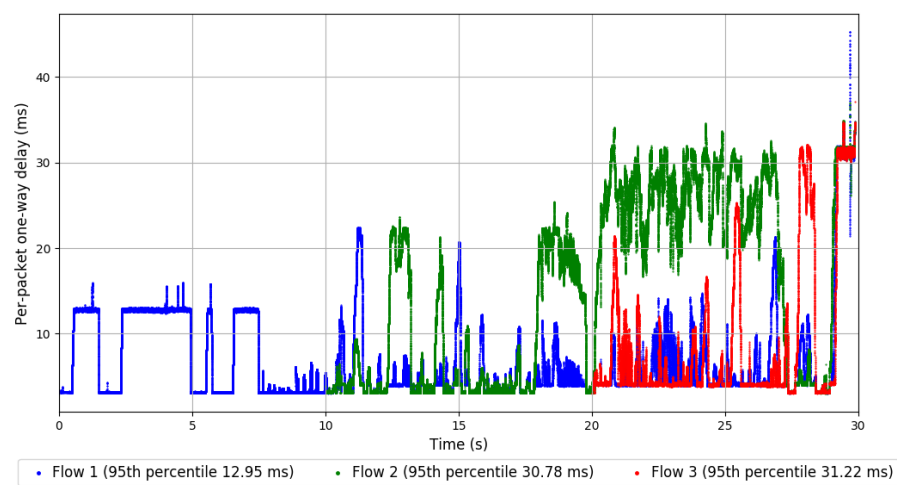
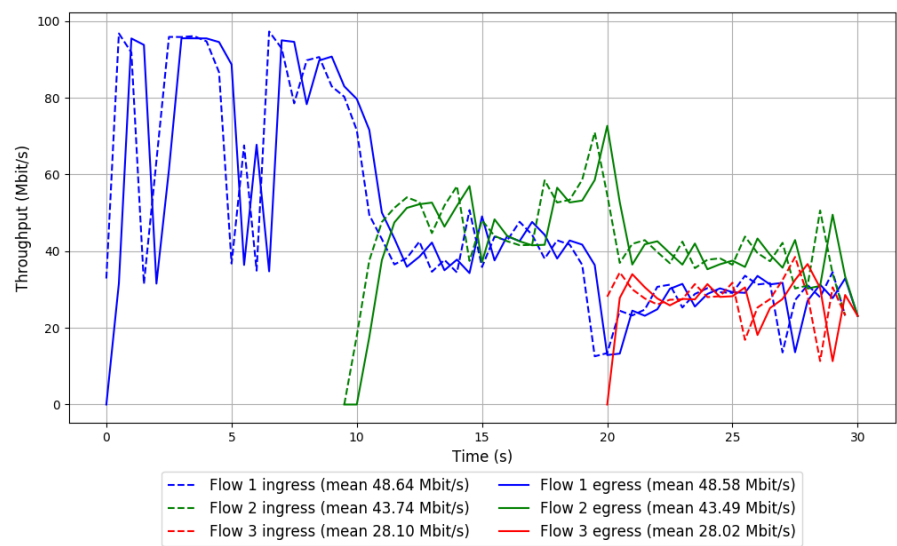


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 20:12:38
End at: 2018-08-22 20:13:08
Local clock offset: -2.72 ms
Remote clock offset: -12.717 ms

Below is generated by plot.py at 2018-08-22 22:26:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 29.424 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 12.953 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 30.778 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.43%

Run 4: Report of PCC-Expr — Data Link

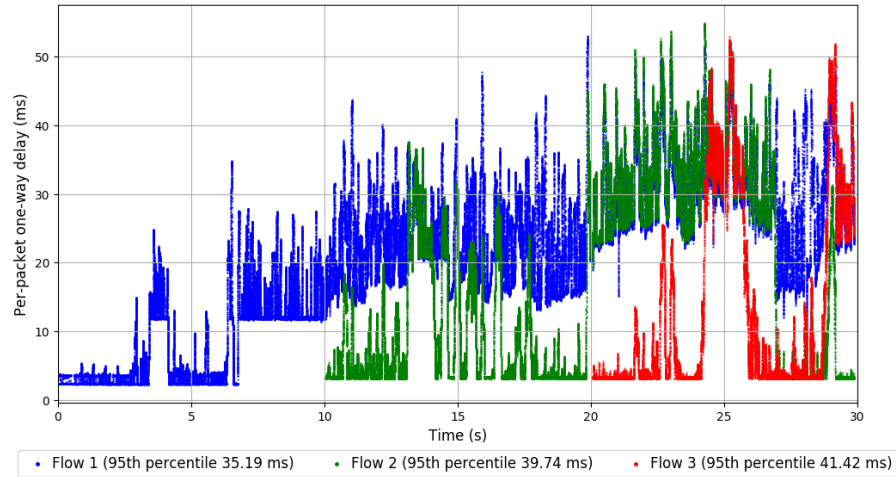
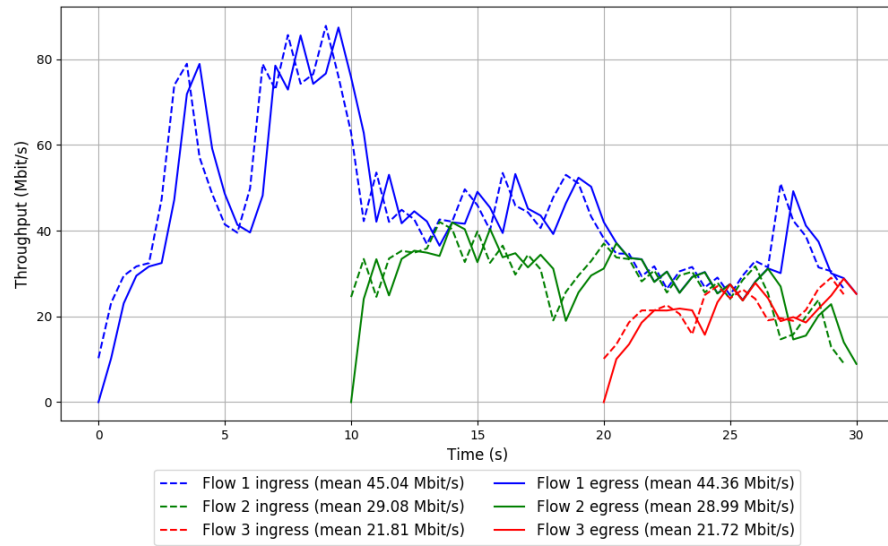


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 20:31:42
End at: 2018-08-22 20:32:12
Local clock offset: -4.213 ms
Remote clock offset: -15.411 ms

Below is generated by plot.py at 2018-08-22 22:26:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 37.385 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 35.186 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 39.740 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 41.420 ms
Loss rate: 0.48%

Run 5: Report of PCC-Expr — Data Link

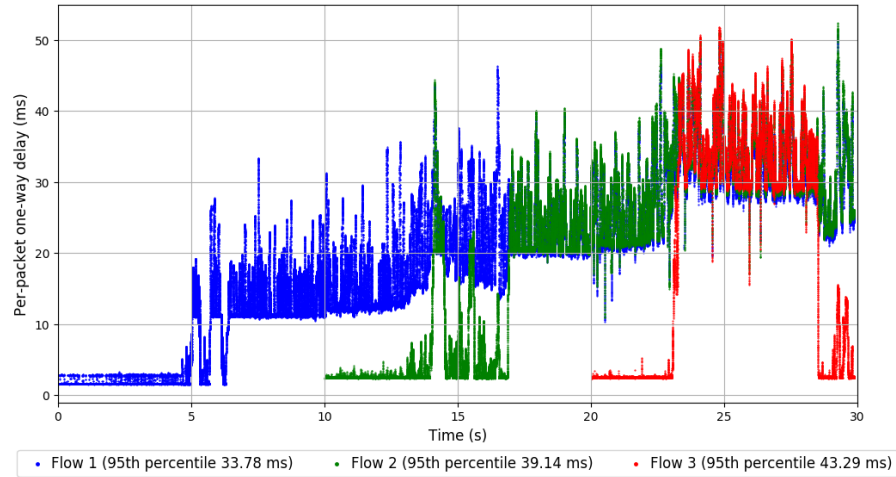
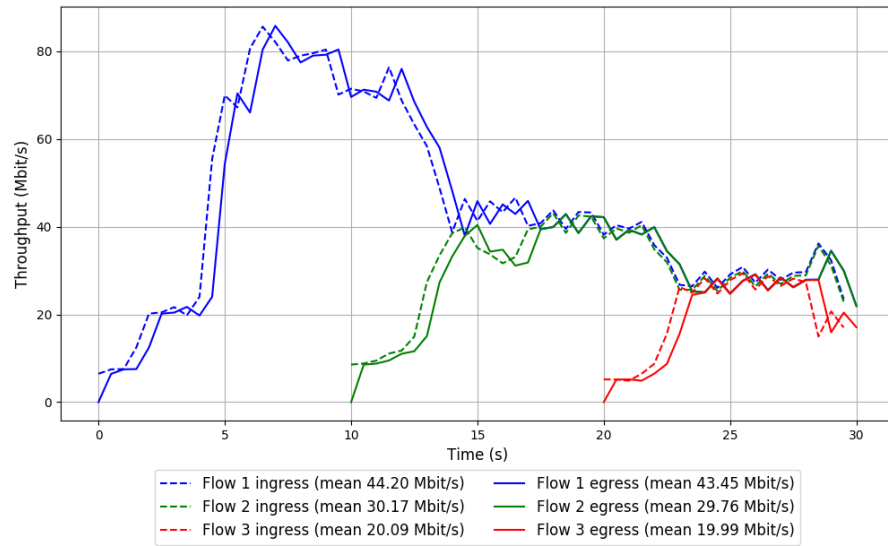


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 20:50:43
End at: 2018-08-22 20:51:13
Local clock offset: -8.303 ms
Remote clock offset: -17.224 ms

Below is generated by plot.py at 2018-08-22 22:26:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 33.784 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 39.143 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 43.289 ms
Loss rate: 0.63%

Run 6: Report of PCC-Expr — Data Link

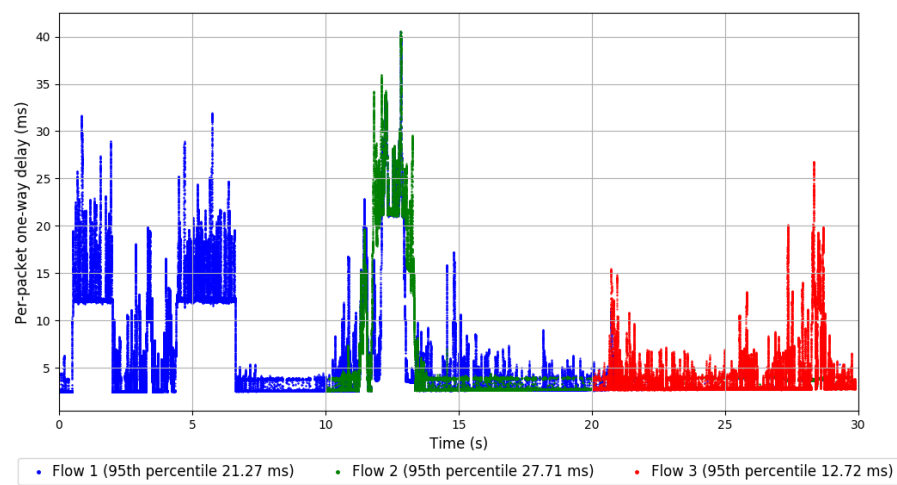
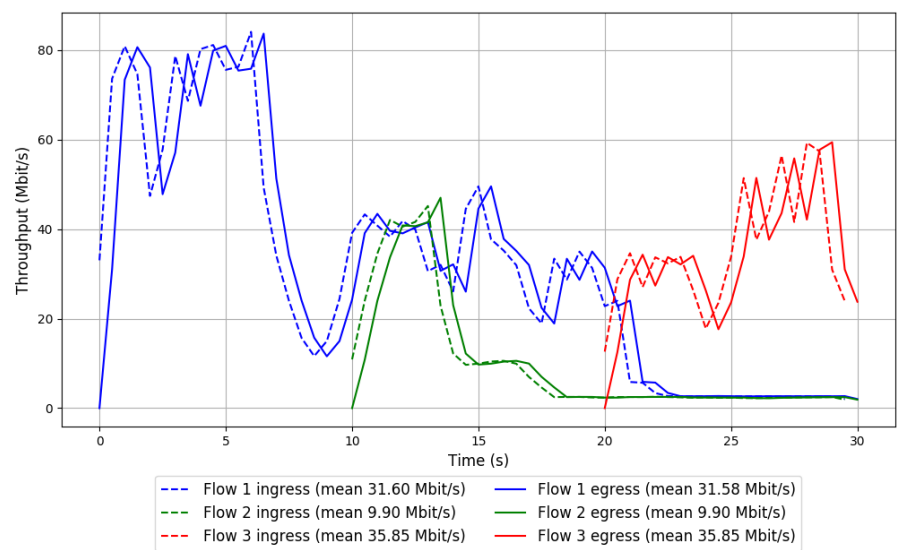


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 21:09:46
End at: 2018-08-22 21:10:16
Local clock offset: -8.603 ms
Remote clock offset: -6.017 ms

Below is generated by plot.py at 2018-08-22 22:26:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 21.589 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 21.266 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 12.725 ms
Loss rate: 0.05%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 21:28:45

End at: 2018-08-22 21:29:15

Local clock offset: -8.37 ms

Remote clock offset: 1.949 ms

Below is generated by plot.py at 2018-08-22 22:26:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 41.107 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 39.401 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 25.84 Mbit/s

95th percentile per-packet one-way delay: 42.585 ms

Loss rate: 1.21%

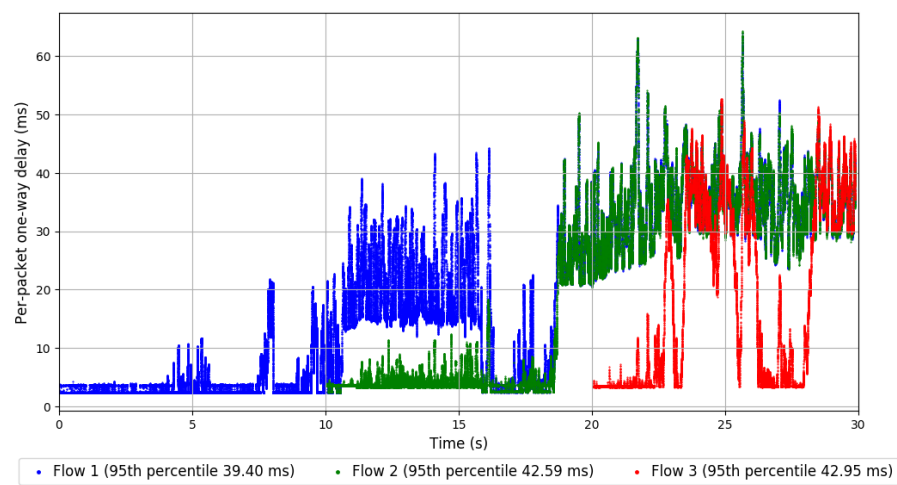
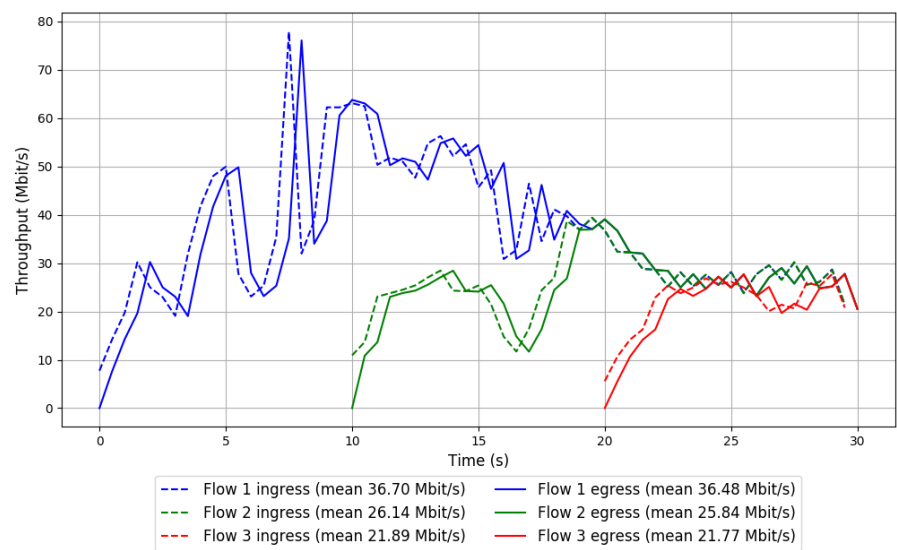
-- Flow 3:

Average throughput: 21.77 Mbit/s

95th percentile per-packet one-way delay: 42.950 ms

Loss rate: 0.70%

Run 8: Report of PCC-Expr — Data Link

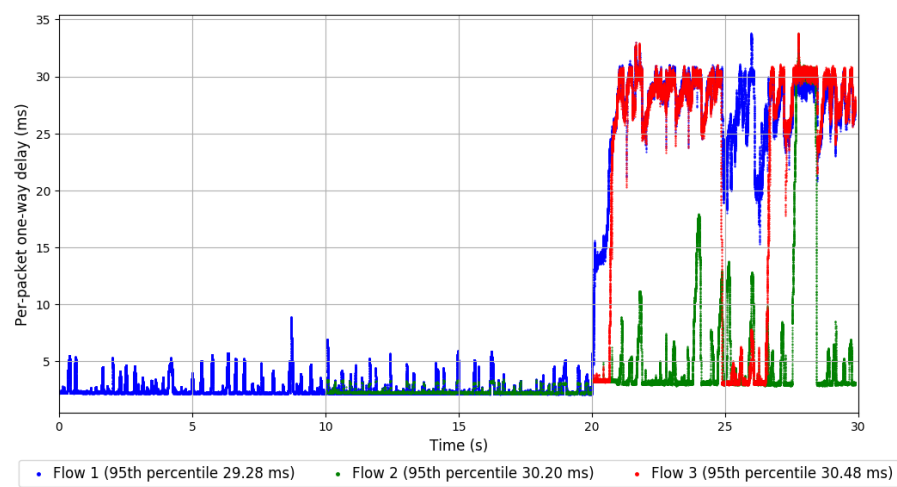
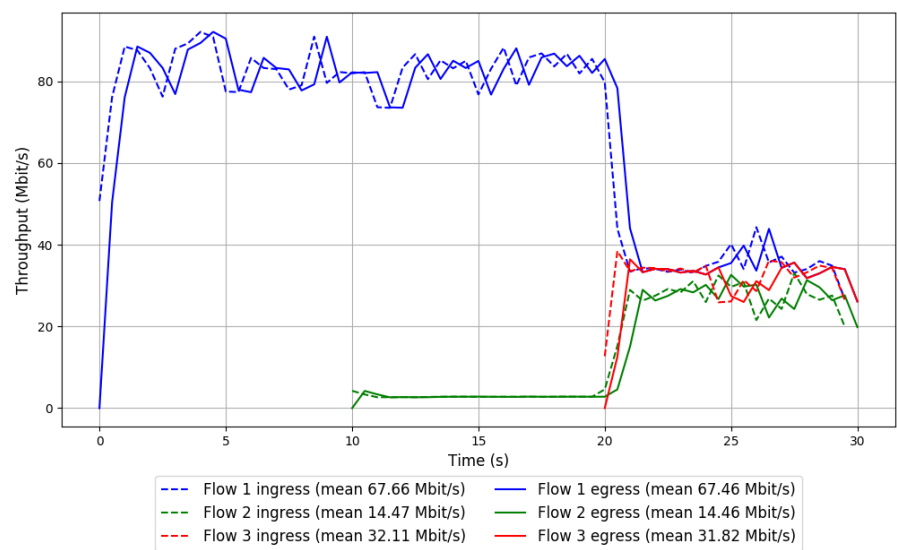


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 21:47:48
End at: 2018-08-22 21:48:18
Local clock offset: -5.202 ms
Remote clock offset: -0.659 ms

Below is generated by plot.py at 2018-08-22 22:27:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 29.981 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 29.278 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 30.196 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 30.484 ms
Loss rate: 1.03%

Run 9: Report of PCC-Expr — Data Link

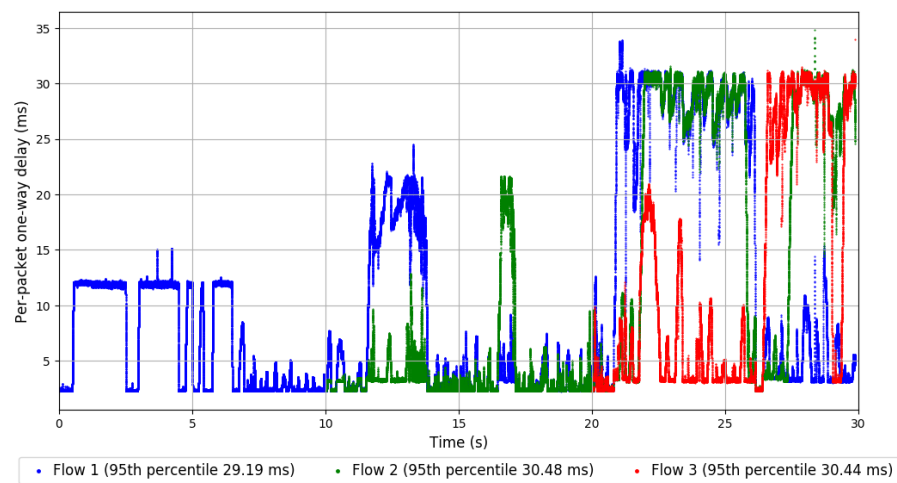
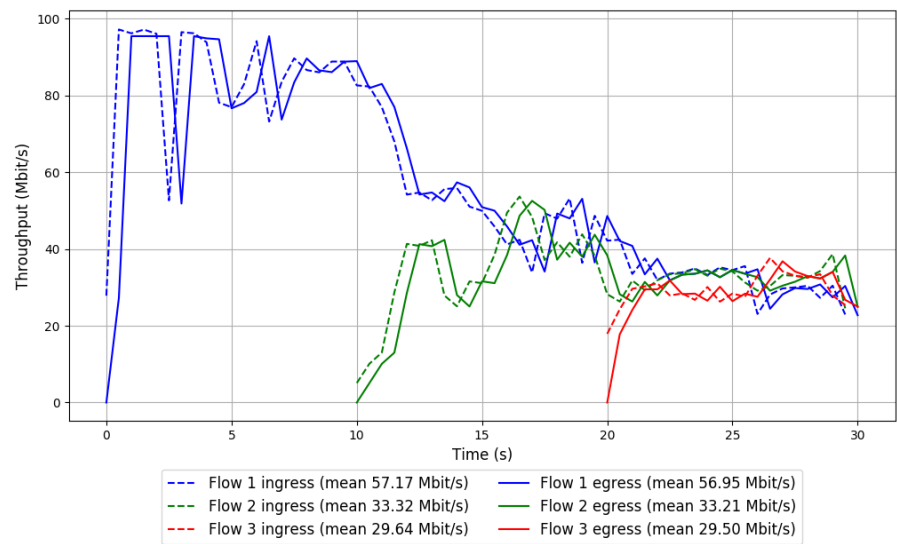


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 22:06:58
End at: 2018-08-22 22:07:28
Local clock offset: -3.592 ms
Remote clock offset: -0.672 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 30.213 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 29.187 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 30.482 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 30.440 ms
Loss rate: 0.60%

Run 10: Report of PCC-Expr — Data Link

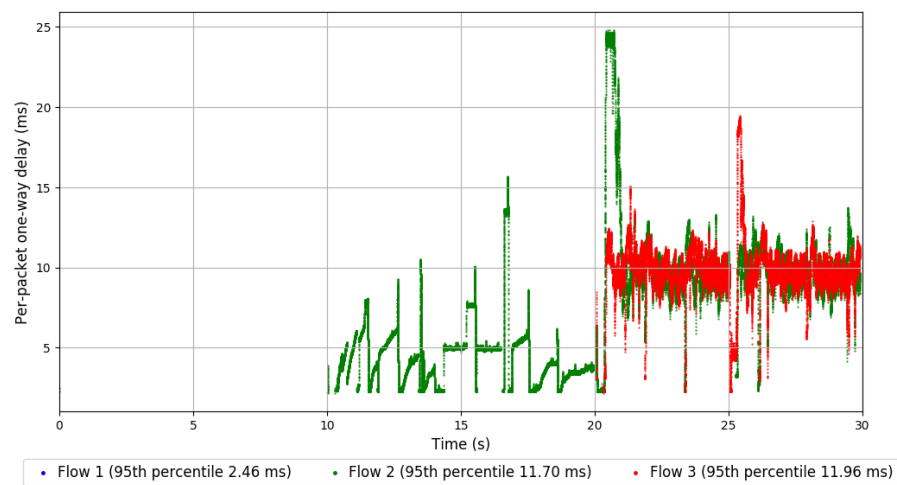
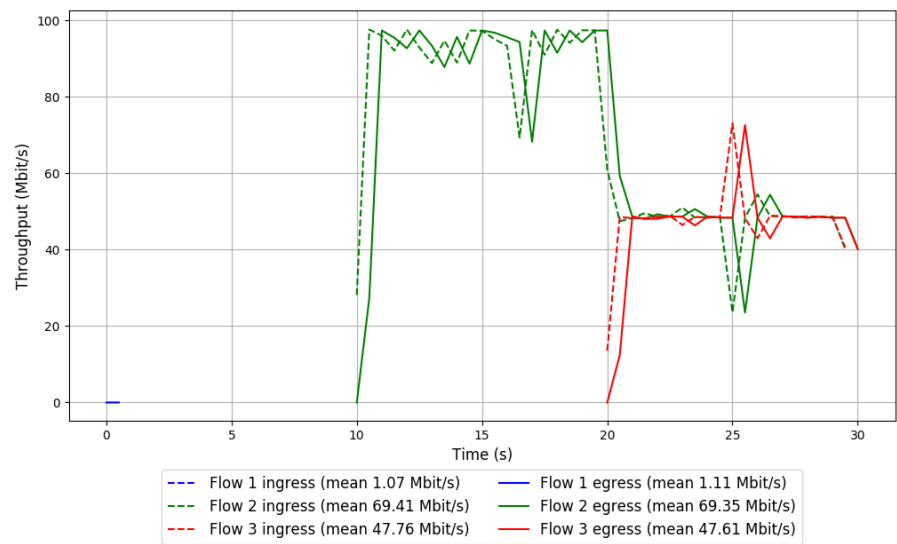


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 19:03:24
End at: 2018-08-22 19:03:54
Local clock offset: -2.535 ms
Remote clock offset: -7.537 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 11.811 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 11.703 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 11.956 ms
Loss rate: 0.35%

Run 1: Report of QUIC Cubic — Data Link

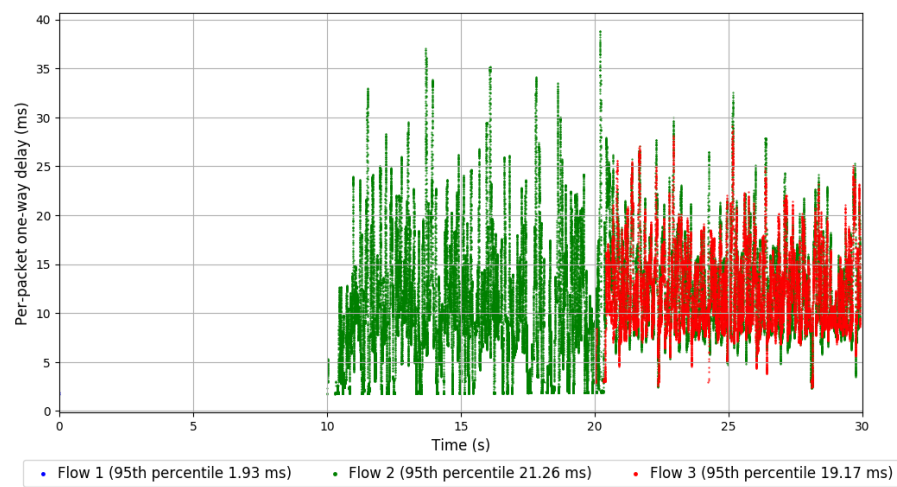
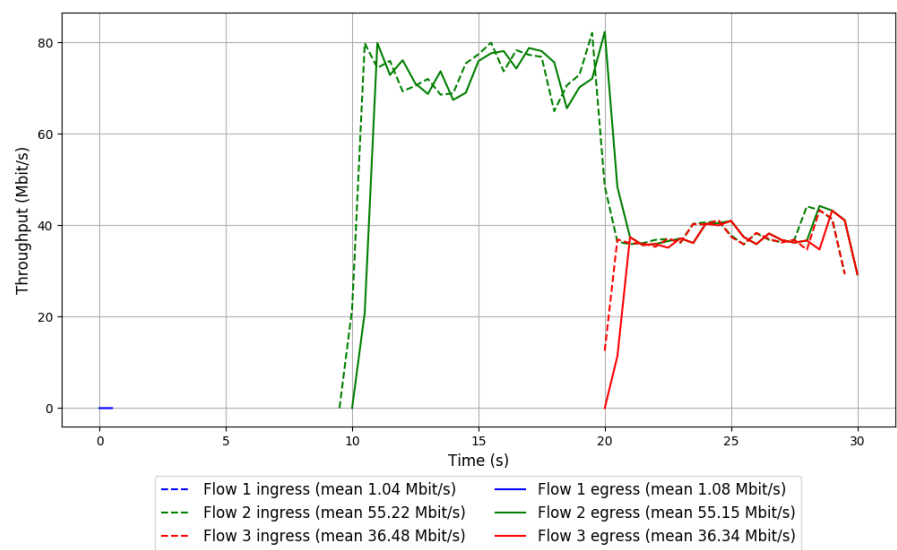


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 19:22:25
End at: 2018-08-22 19:22:55
Local clock offset: -3.982 ms
Remote clock offset: -5.513 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 20.777 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 1.929 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 21.262 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link

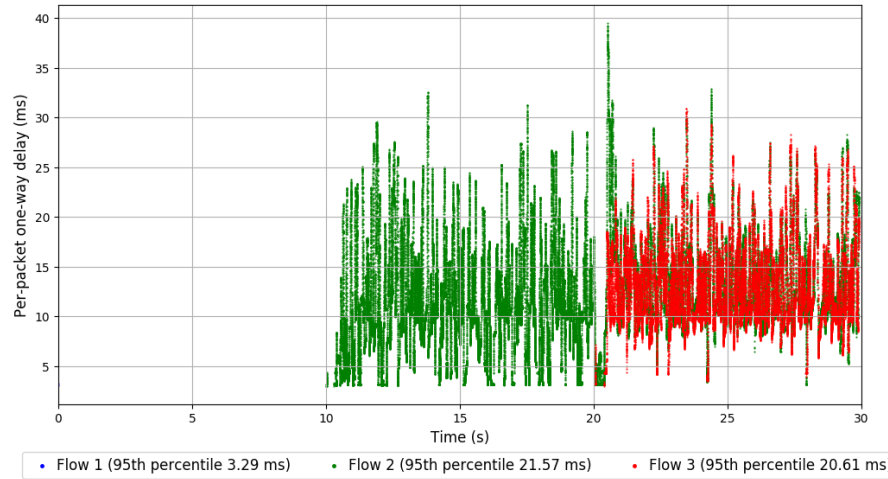
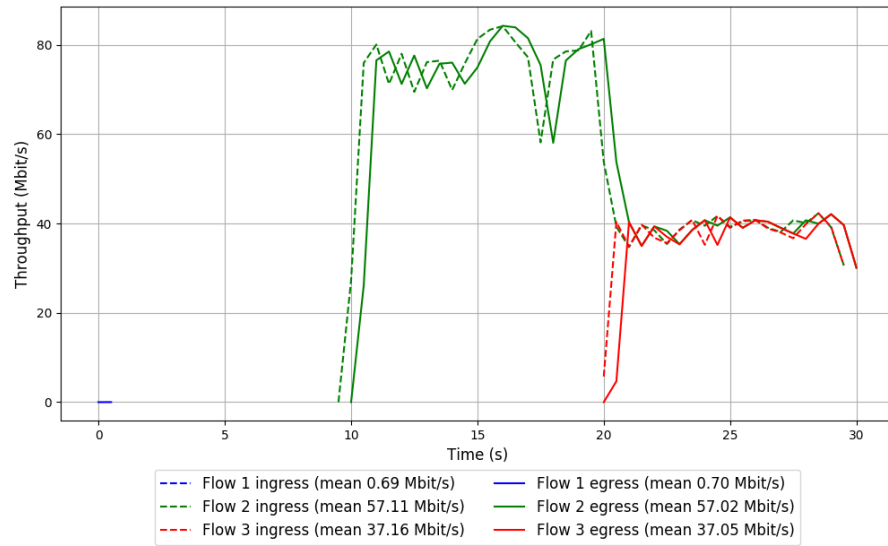


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 19:41:22
End at: 2018-08-22 19:41:52
Local clock offset: -2.378 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 21.365 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 21.572 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.35%

Run 3: Report of QUIC Cubic — Data Link

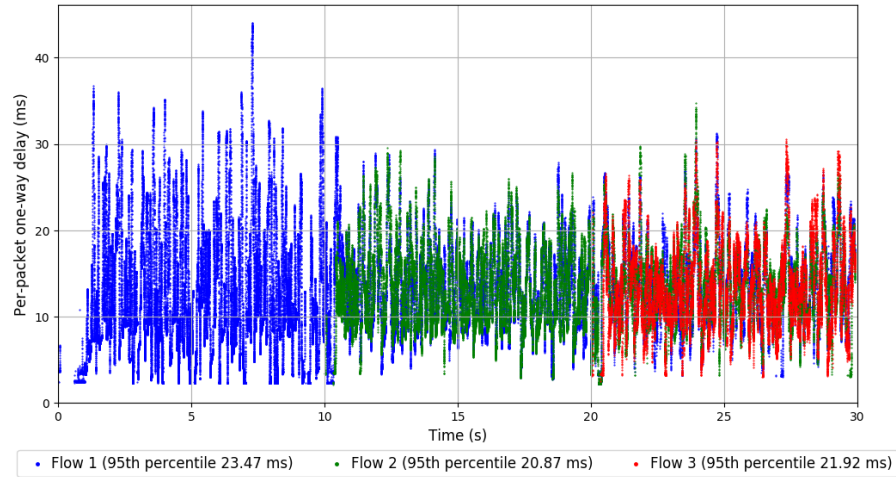
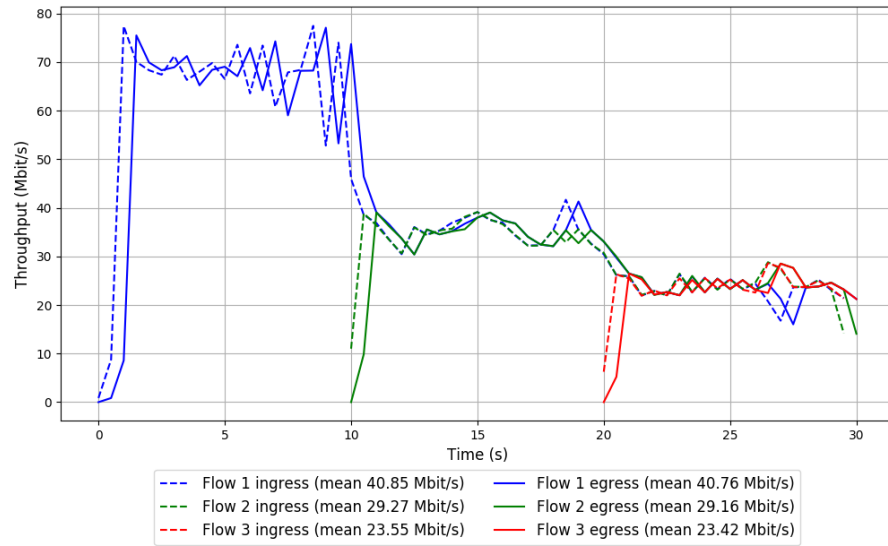


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 20:00:22
End at: 2018-08-22 20:00:52
Local clock offset: -2.845 ms
Remote clock offset: -8.101 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 22.480 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 23.468 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 20.867 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 21.919 ms
Loss rate: 0.61%

Run 4: Report of QUIC Cubic — Data Link

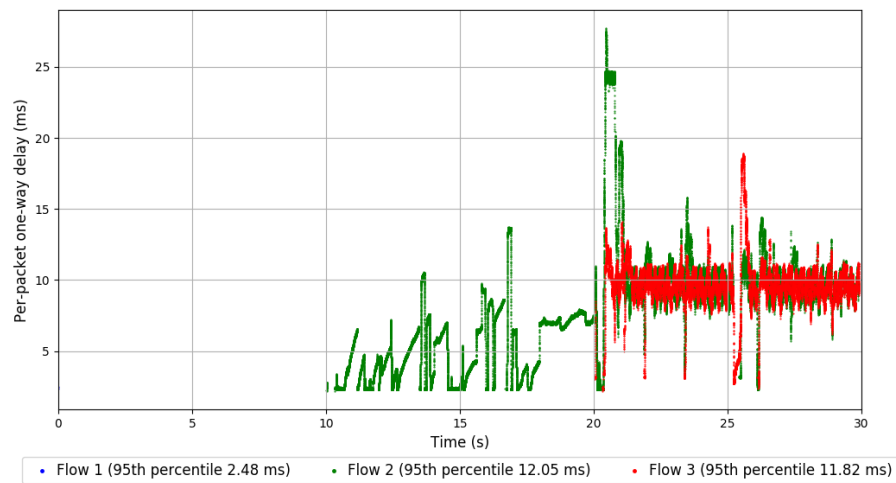
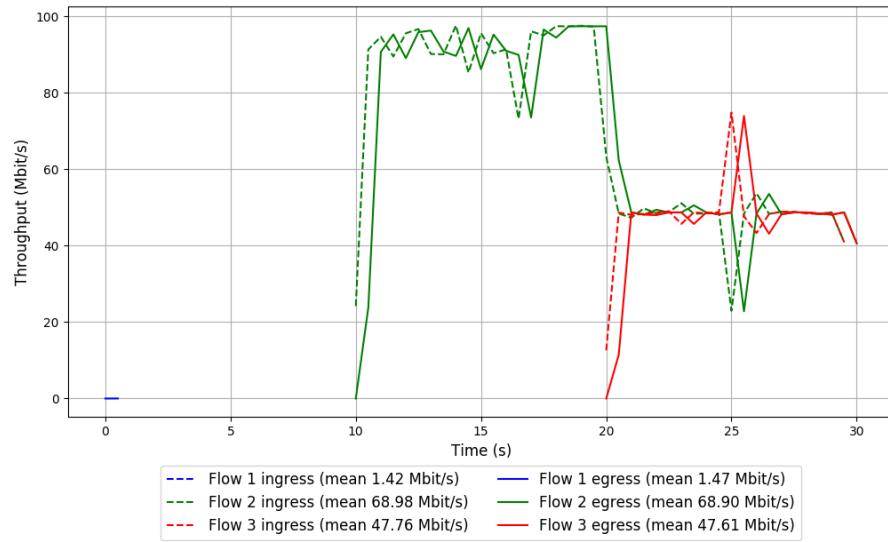


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 20:19:26
End at: 2018-08-22 20:19:56
Local clock offset: -3.877 ms
Remote clock offset: -13.897 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 11.948 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 2.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 12.055 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 11.823 ms
Loss rate: 0.34%

Run 5: Report of QUIC Cubic — Data Link

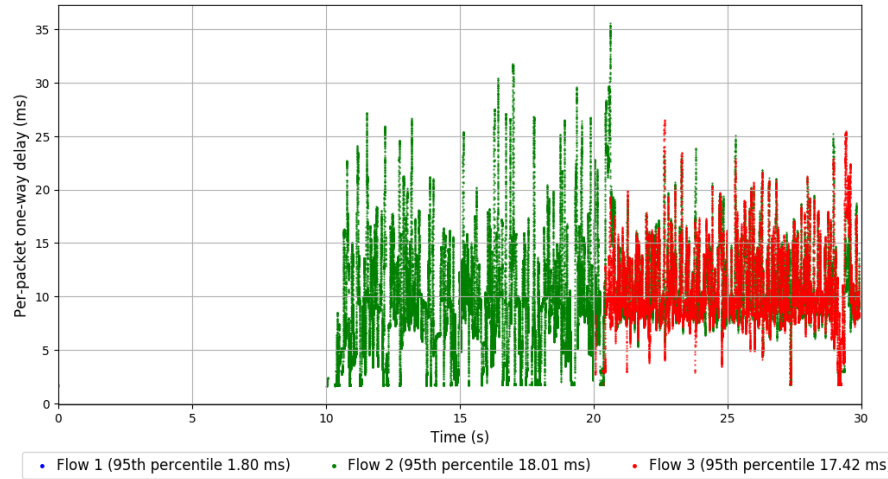
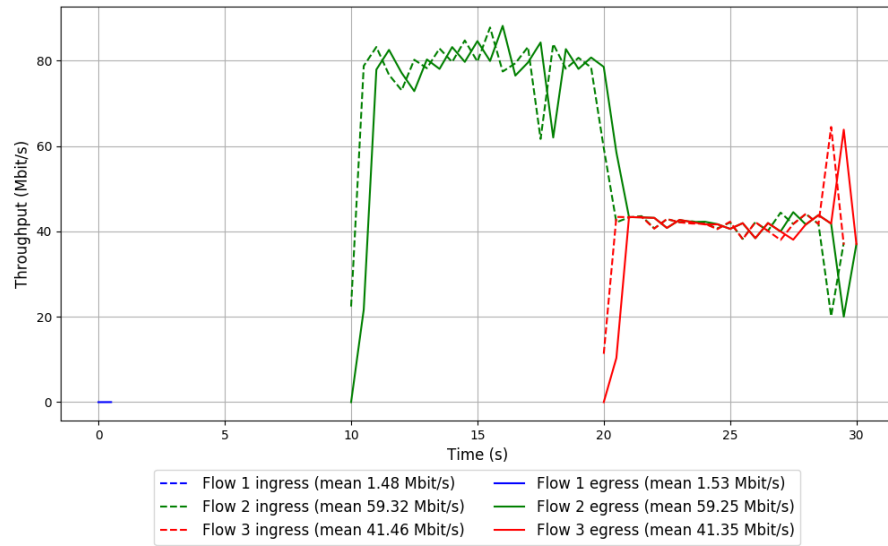


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 20:38:26
End at: 2018-08-22 20:38:56
Local clock offset: -5.674 ms
Remote clock offset: -16.078 ms

Below is generated by plot.py at 2018-08-22 22:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.798 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 18.013 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 17.424 ms
Loss rate: 0.33%

Run 6: Report of QUIC Cubic — Data Link

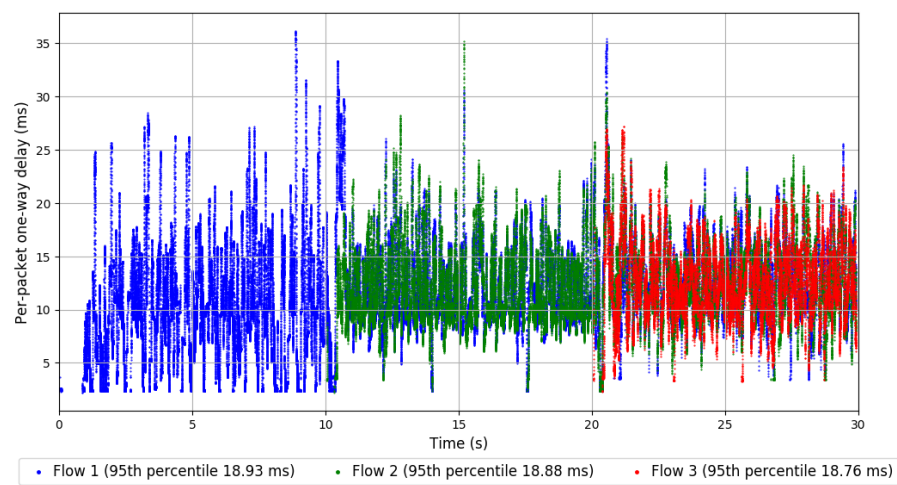
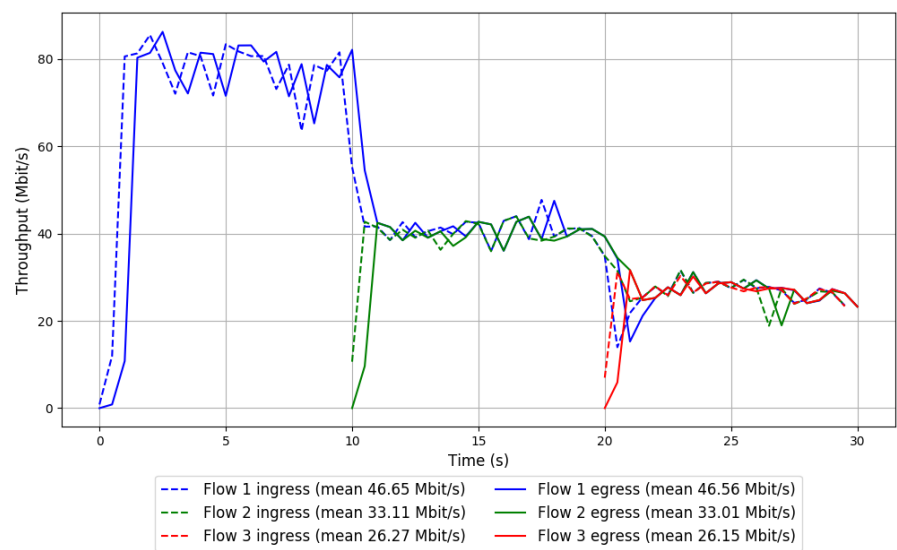


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 20:57:27
End at: 2018-08-22 20:57:57
Local clock offset: -8.233 ms
Remote clock offset: -17.832 ms

Below is generated by plot.py at 2018-08-22 22:27:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 18.890 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.51%

Run 7: Report of QUIC Cubic — Data Link

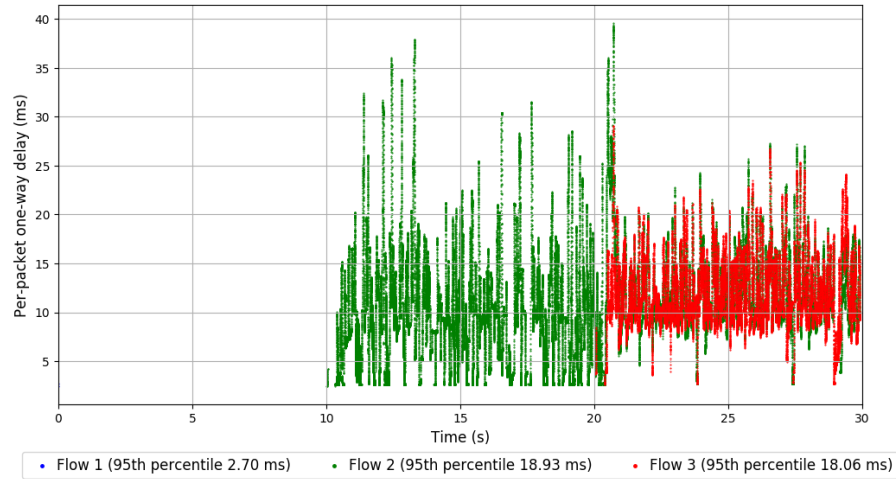
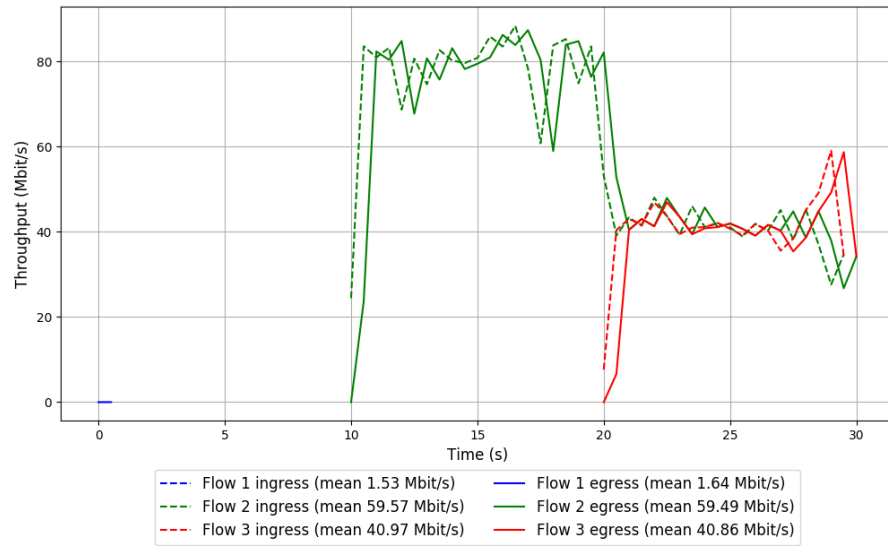


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 21:16:29
End at: 2018-08-22 21:16:59
Local clock offset: -8.261 ms
Remote clock offset: -2.136 ms

Below is generated by plot.py at 2018-08-22 22:27:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 18.663 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 2.700 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 18.063 ms
Loss rate: 0.32%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 21:35:28

End at: 2018-08-22 21:35:58

Local clock offset: -9.23 ms

Remote clock offset: 2.527 ms

Below is generated by plot.py at 2018-08-22 22:27:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 17.906 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 2.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 18.374 ms

Loss rate: 0.15%

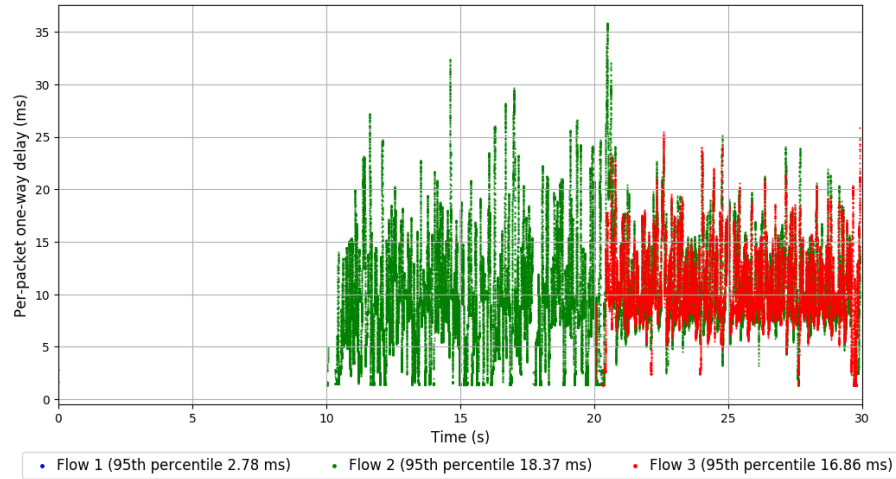
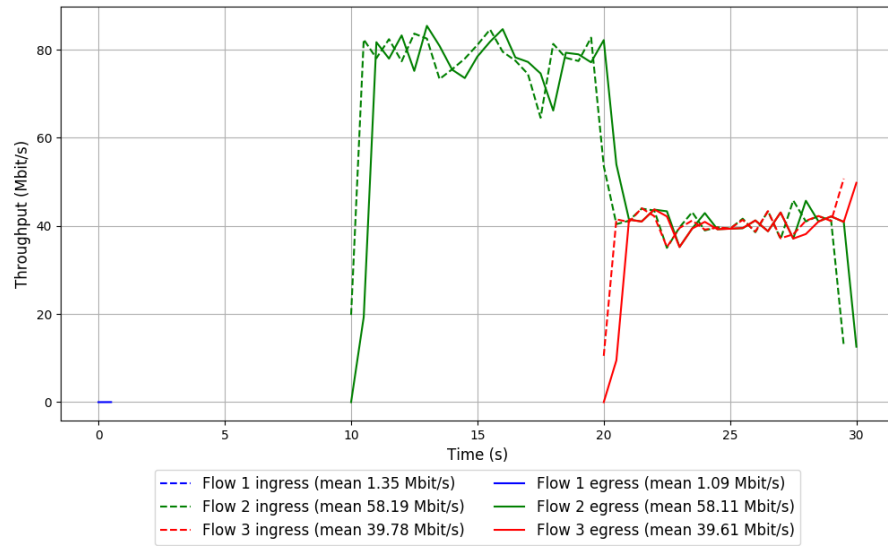
-- Flow 3:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 16.865 ms

Loss rate: 0.45%

Run 9: Report of QUIC Cubic — Data Link

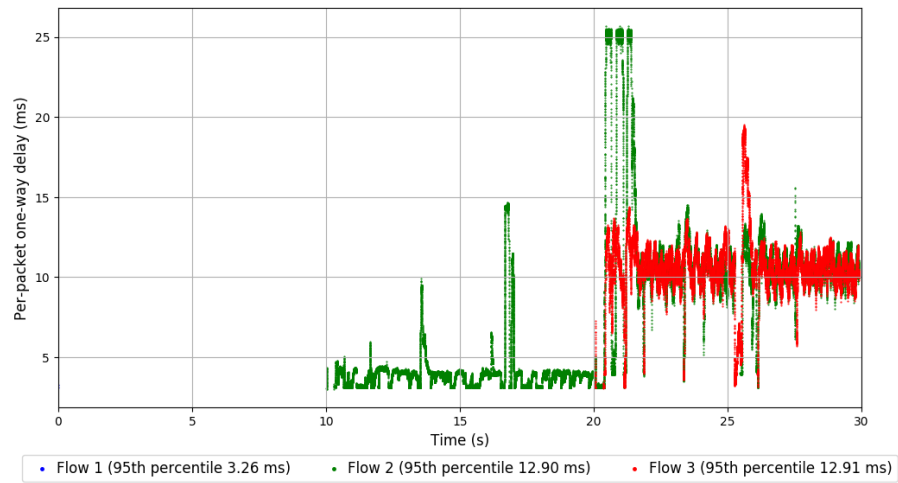
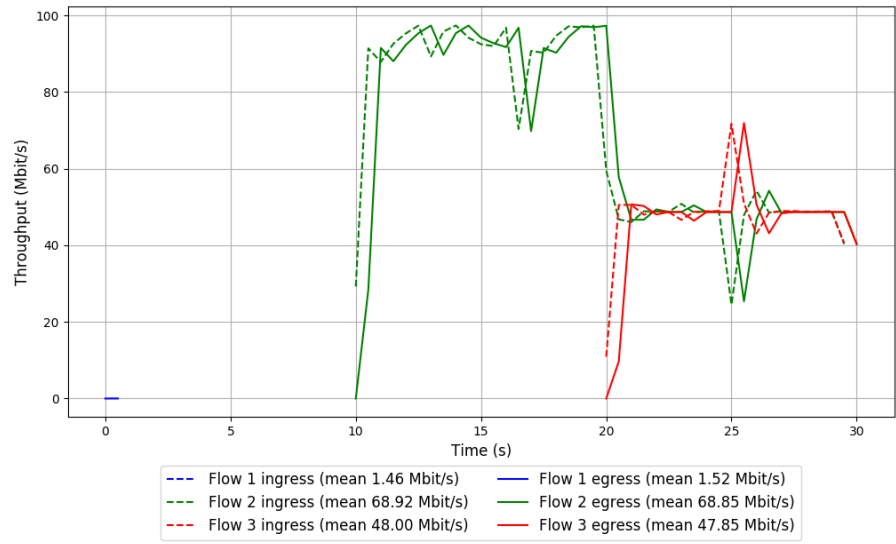


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 21:54:36
End at: 2018-08-22 21:55:06
Local clock offset: -3.575 ms
Remote clock offset: -1.016 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 12.909 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 3.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 12.905 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 12.912 ms
Loss rate: 0.35%

Run 10: Report of QUIC Cubic — Data Link

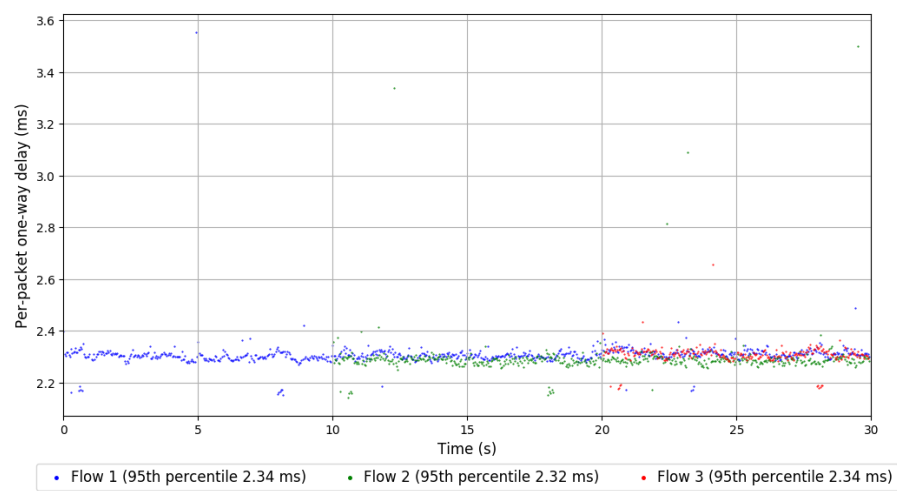
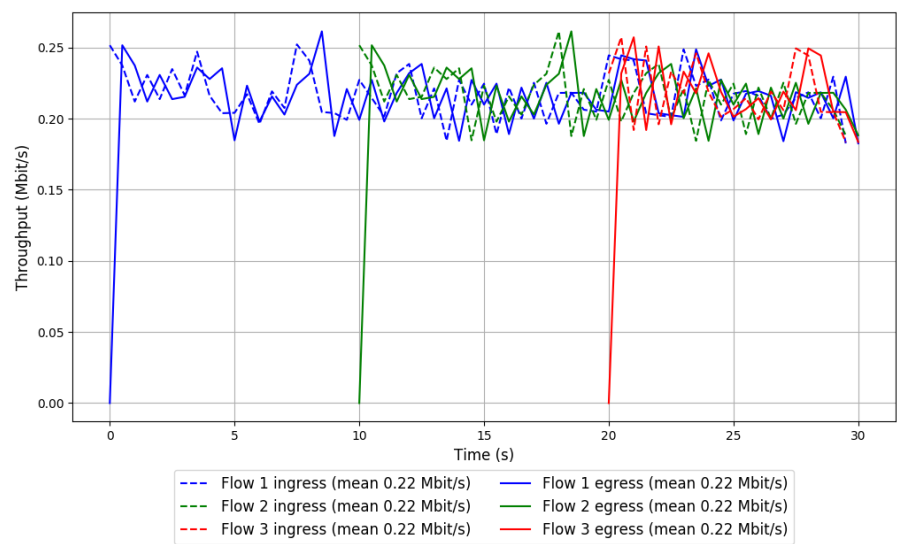


Run 1: Statistics of SReAM

Start at: 2018-08-22 19:09:02
End at: 2018-08-22 19:09:32
Local clock offset: -2.708 ms
Remote clock offset: -7.979 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

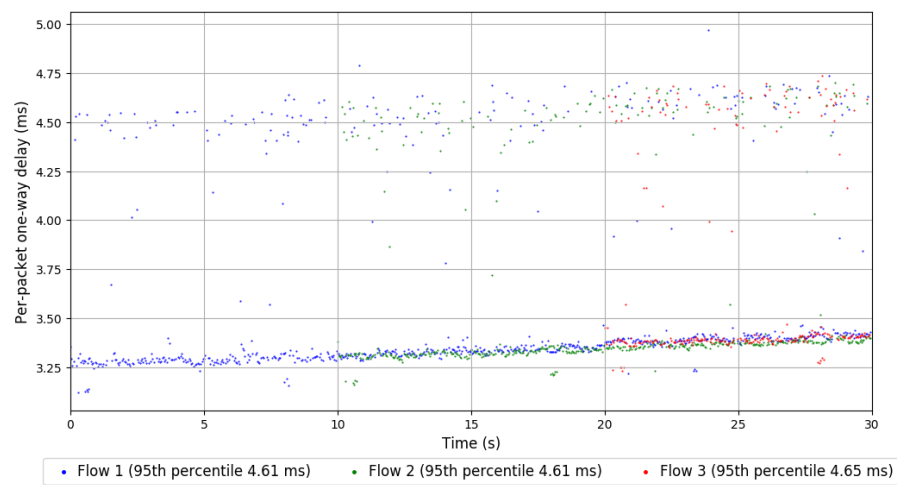
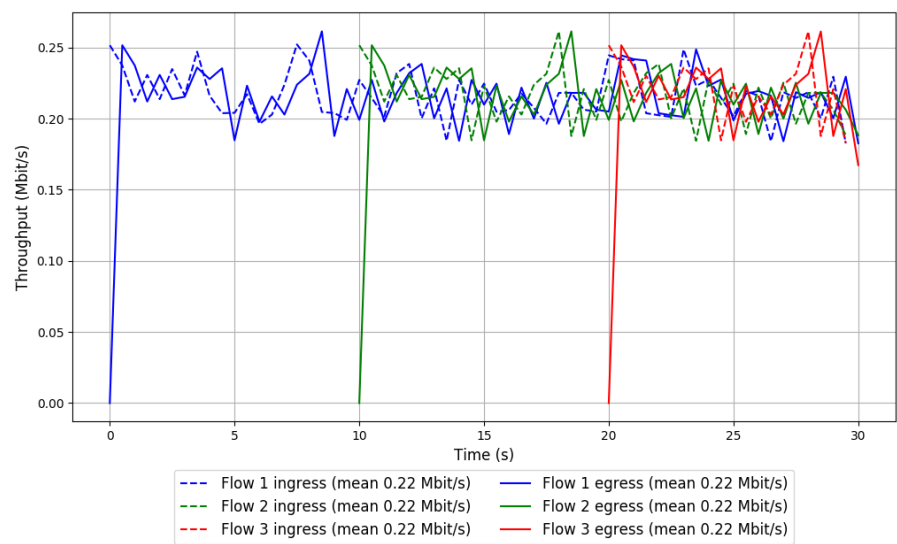


Run 2: Statistics of SReAM

Start at: 2018-08-22 19:28:00
End at: 2018-08-22 19:28:30
Local clock offset: -2.487 ms
Remote clock offset: -3.242 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 4.626 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.649 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

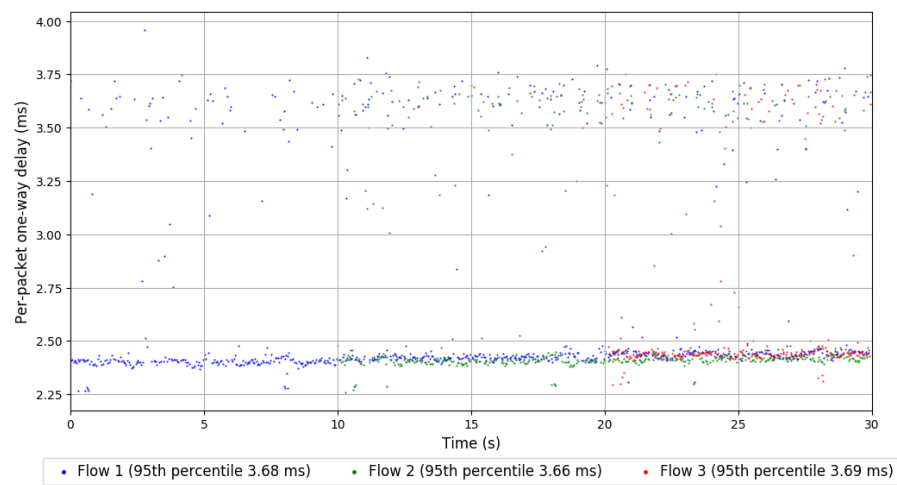
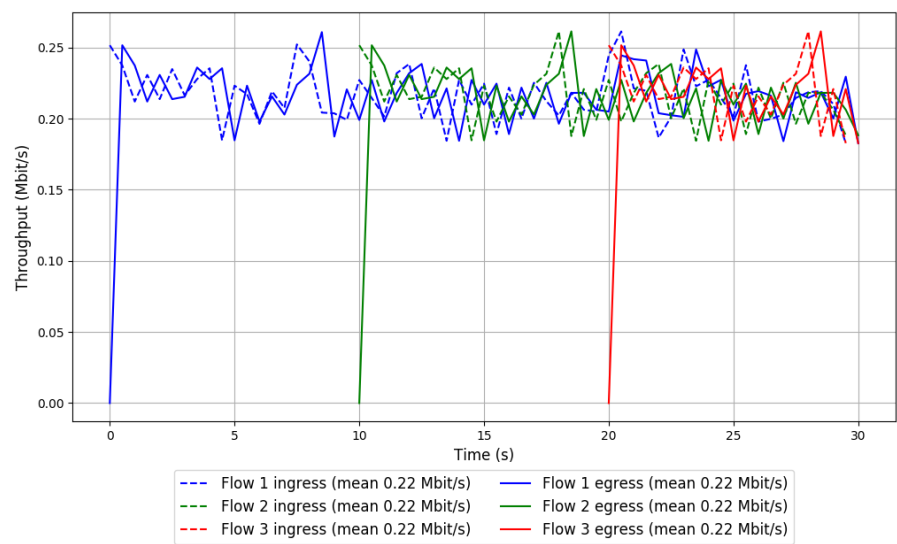


Run 3: Statistics of SReAM

Start at: 2018-08-22 19:46:57
End at: 2018-08-22 19:47:27
Local clock offset: -3.019 ms
Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.689 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

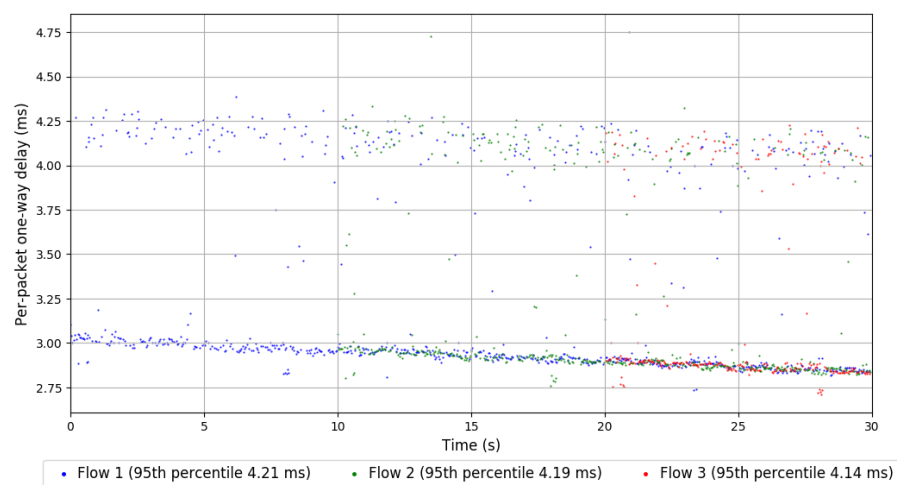
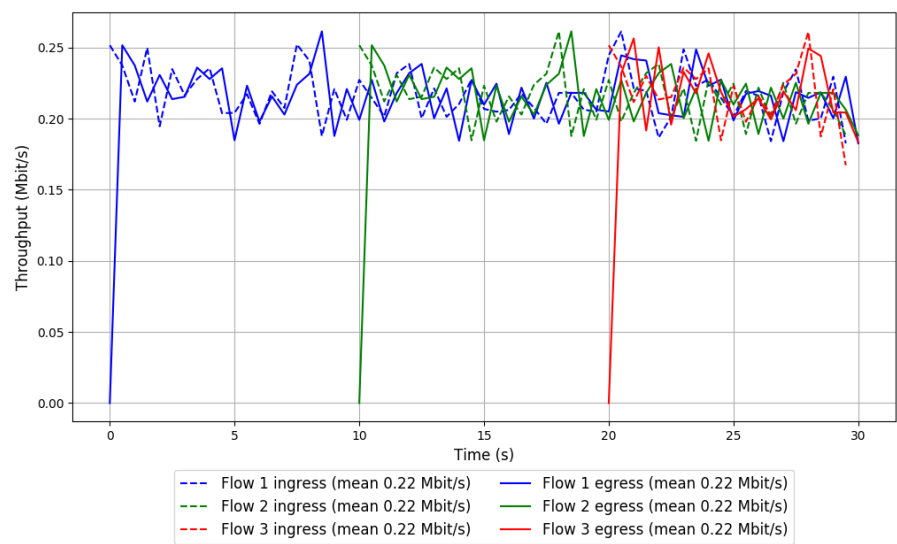


Run 4: Statistics of SReAM

Start at: 2018-08-22 20:05:57
End at: 2018-08-22 20:06:27
Local clock offset: -2.024 ms
Remote clock offset: -10.685 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 4.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.138 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

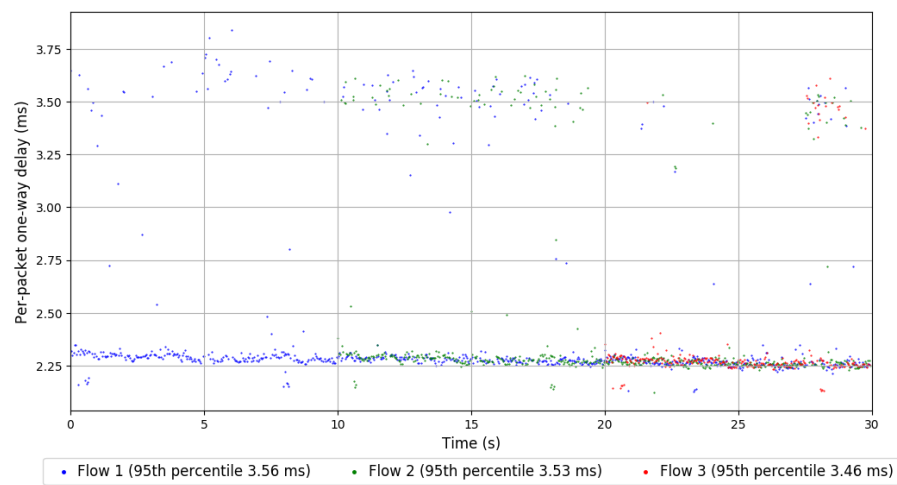
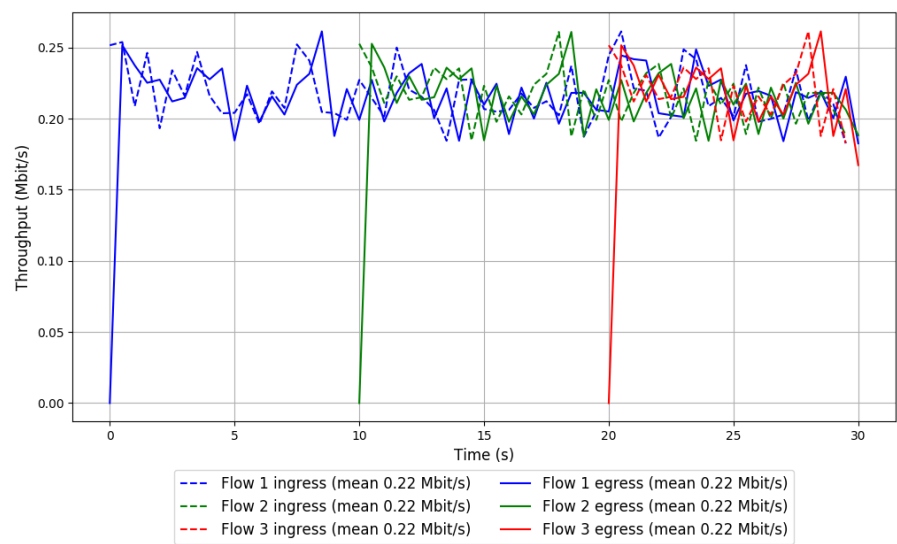


Run 5: Statistics of SReAM

Start at: 2018-08-22 20:25:02
End at: 2018-08-22 20:25:32
Local clock offset: -4.069 ms
Remote clock offset: -14.604 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.536 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.532 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.463 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

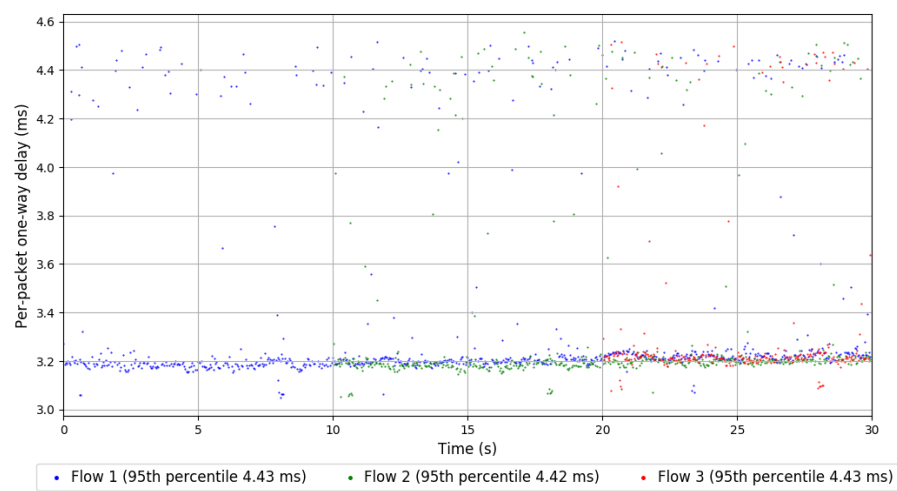
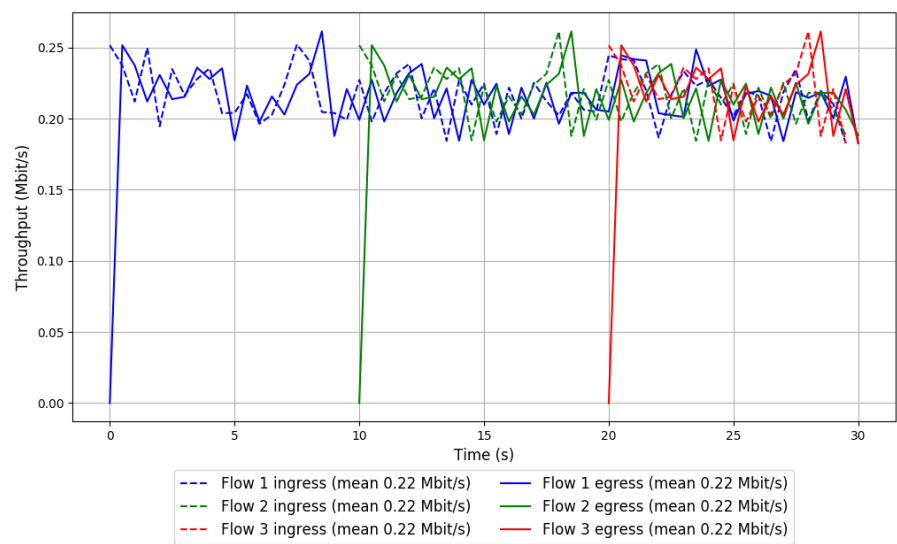


Run 6: Statistics of SReAM

Start at: 2018-08-22 20:44:03
End at: 2018-08-22 20:44:33
Local clock offset: -5.711 ms
Remote clock offset: -16.622 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

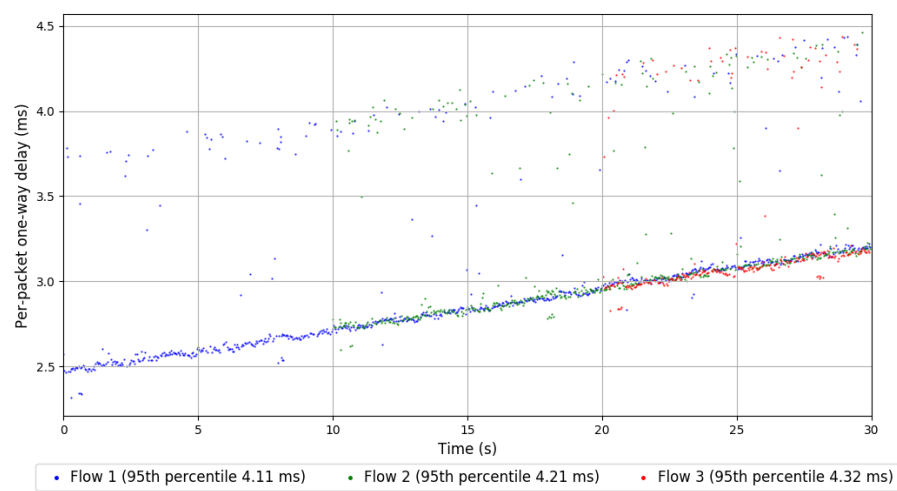
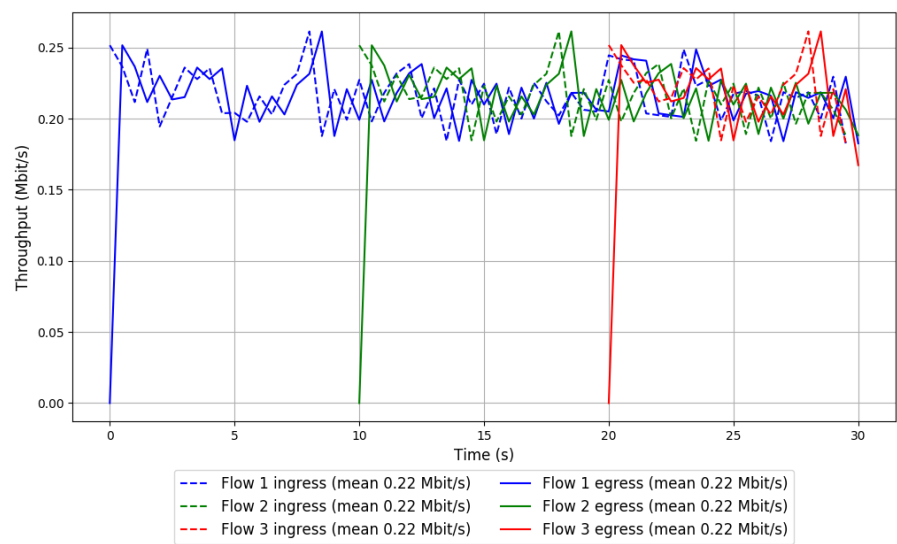


Run 7: Statistics of SReAM

Start at: 2018-08-22 21:03:04
End at: 2018-08-22 21:03:34
Local clock offset: -8.671 ms
Remote clock offset: -12.962 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.324 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

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

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

Local clock offset: -8.275 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-22 22:27:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.709 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.718 ms

Loss rate: 0.00%

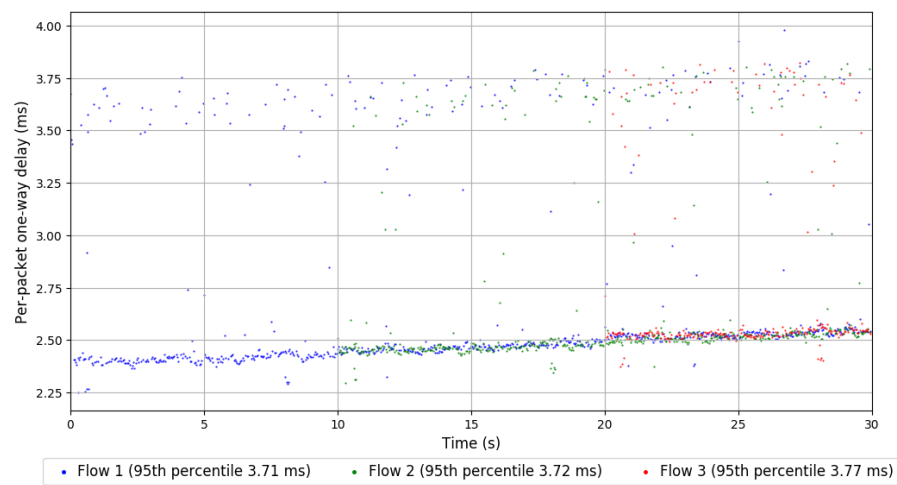
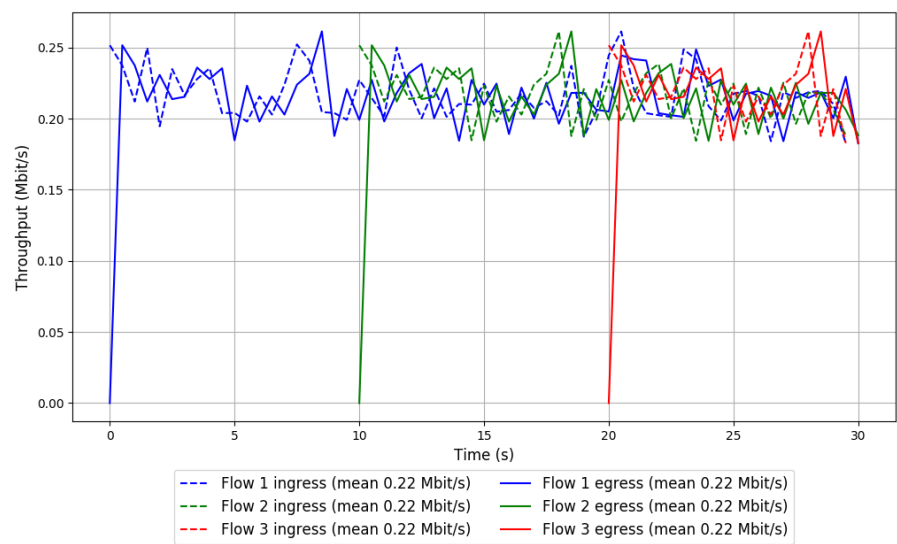
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

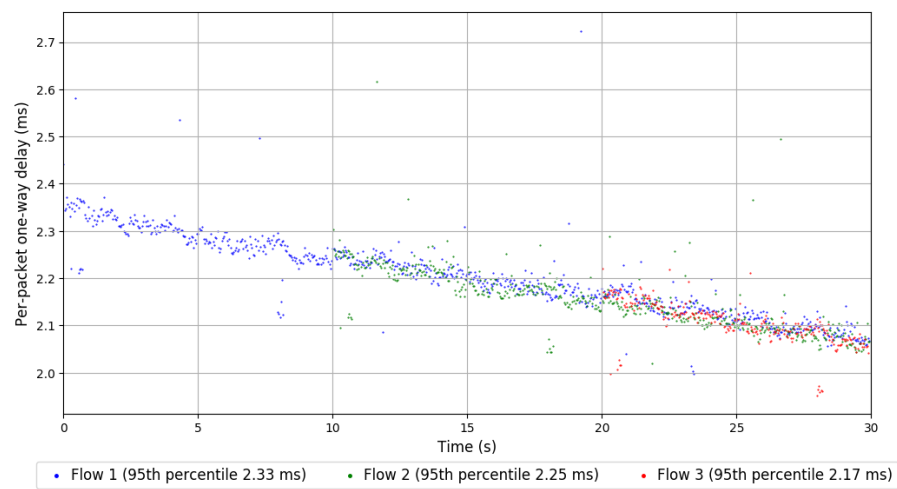
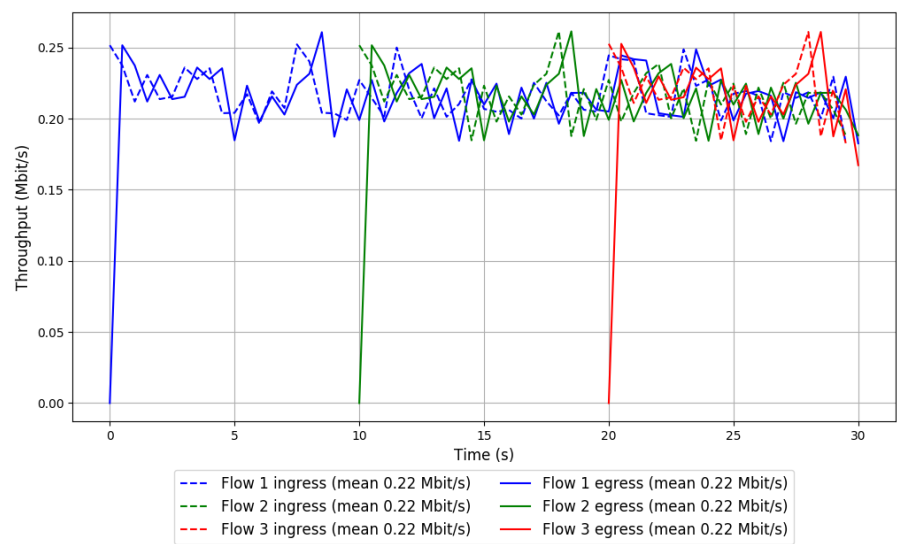


Run 9: Statistics of SReAM

Start at: 2018-08-22 21:41:04
End at: 2018-08-22 21:41:34
Local clock offset: -6.682 ms
Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

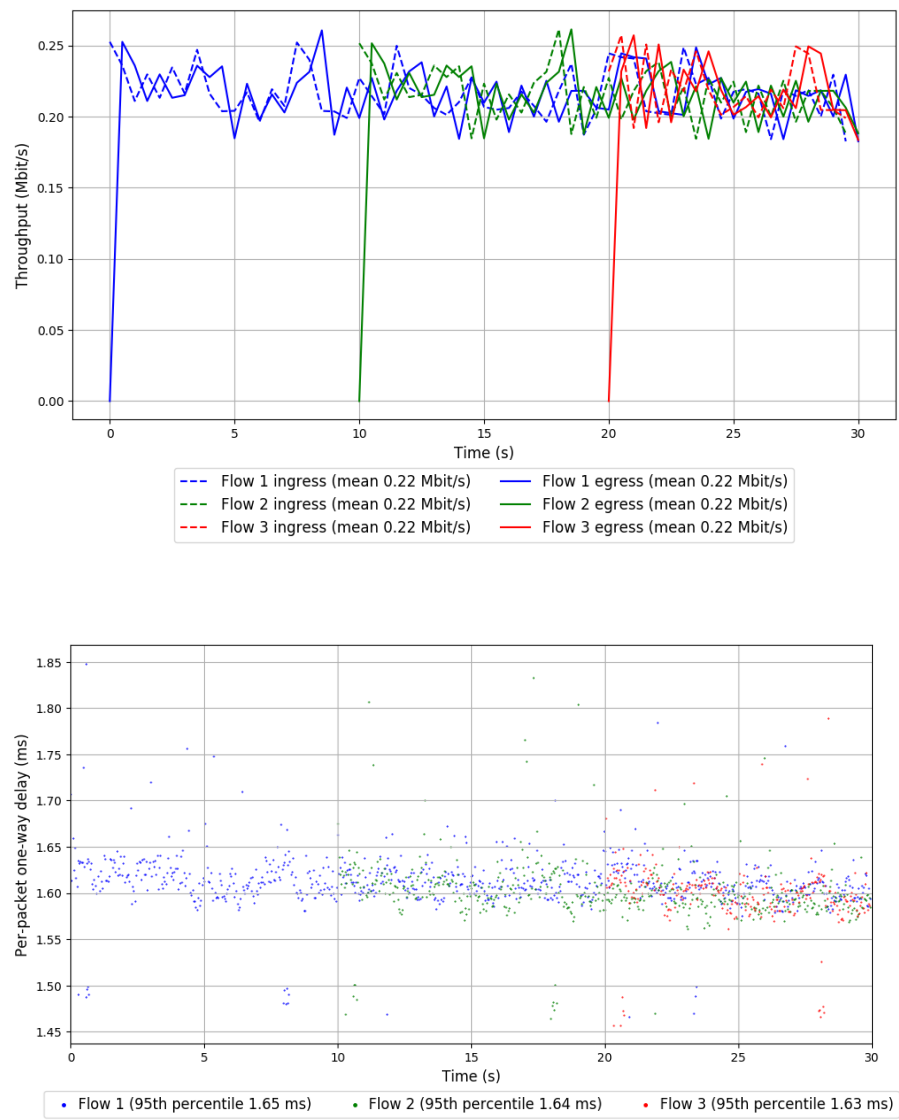


Run 10: Statistics of SReAM

Start at: 2018-08-22 22:00:14
End at: 2018-08-22 22:00:44
Local clock offset: -4.701 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-08-22 22:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link

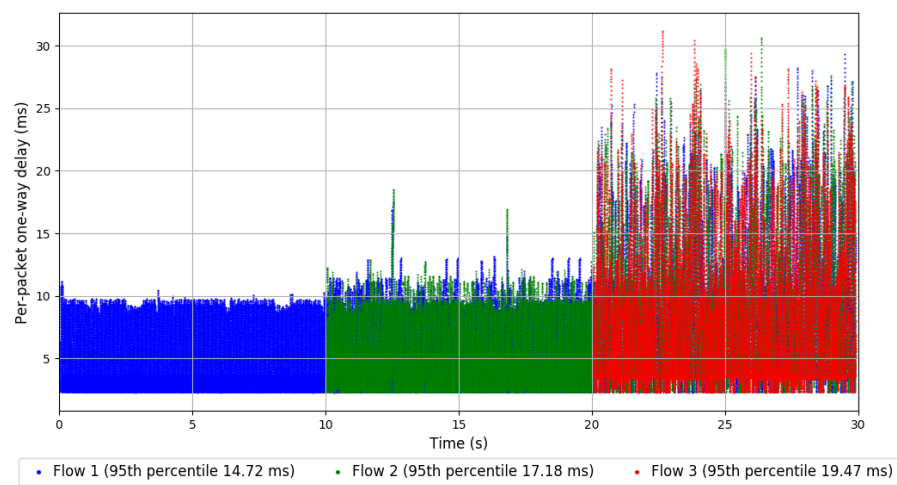
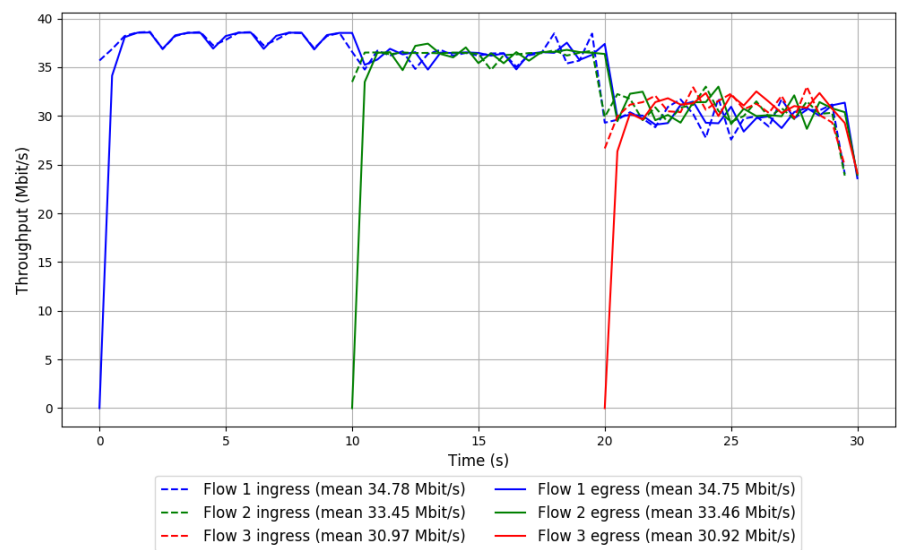


Run 1: Statistics of Sprout

Start at: 2018-08-22 19:10:05
End at: 2018-08-22 19:10:35
Local clock offset: -2.752 ms
Remote clock offset: -8.046 ms

Below is generated by plot.py at 2018-08-22 22:28:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 16.930 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 14.720 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 17.185 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.14%

Run 1: Report of Sprout — Data Link

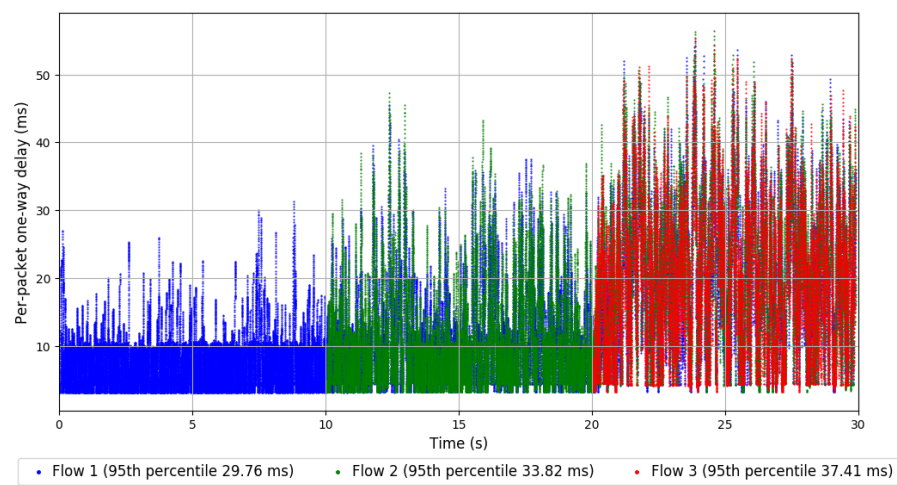
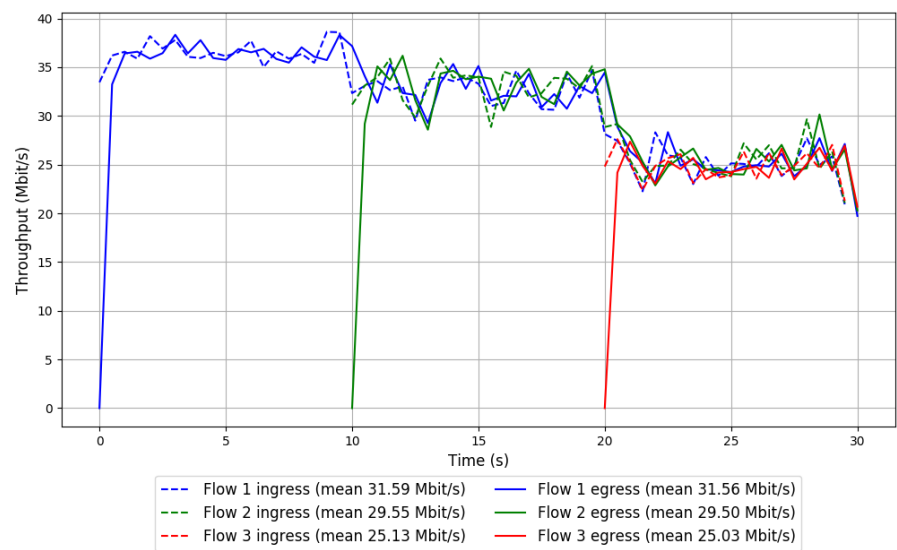


Run 2: Statistics of Sprout

Start at: 2018-08-22 19:29:04
End at: 2018-08-22 19:29:34
Local clock offset: -2.51 ms
Remote clock offset: -2.848 ms

Below is generated by plot.py at 2018-08-22 22:28:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 32.880 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 33.817 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 37.409 ms
Loss rate: 0.39%

Run 2: Report of Sprout — Data Link

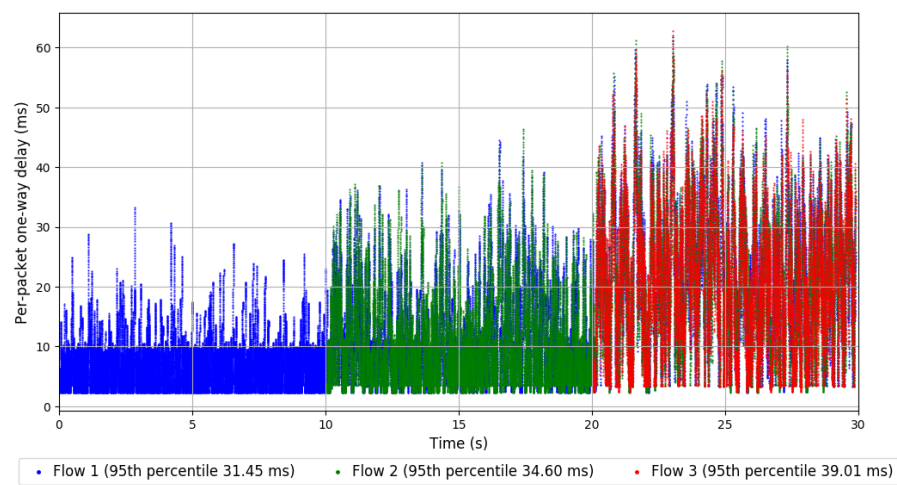
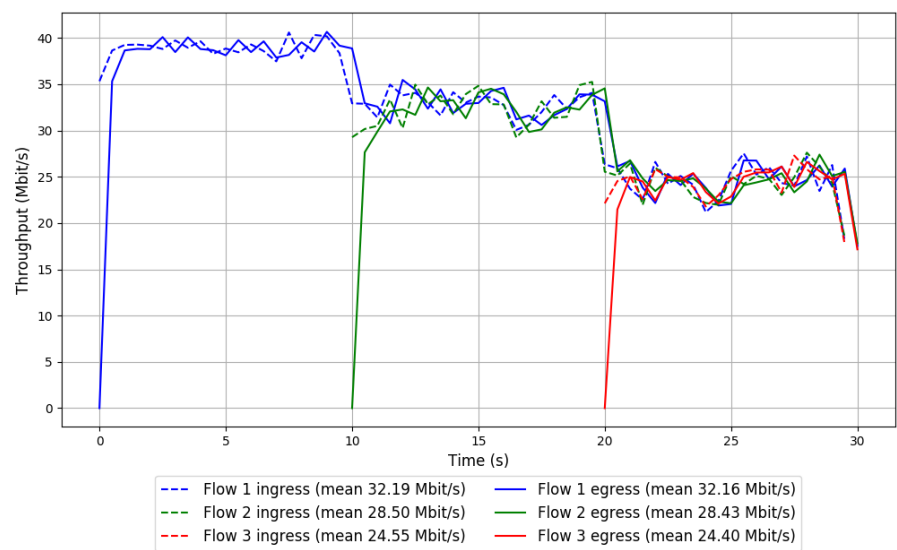


Run 3: Statistics of Sprout

Start at: 2018-08-22 19:48:01
End at: 2018-08-22 19:48:31
Local clock offset: -3.064 ms
Remote clock offset: 0.413 ms

```
# Below is generated by plot.py at 2018-08-22 22:28:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 34.334 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 31.455 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 34.596 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 39.012 ms
Loss rate: 0.49%
```

Run 3: Report of Sprout — Data Link

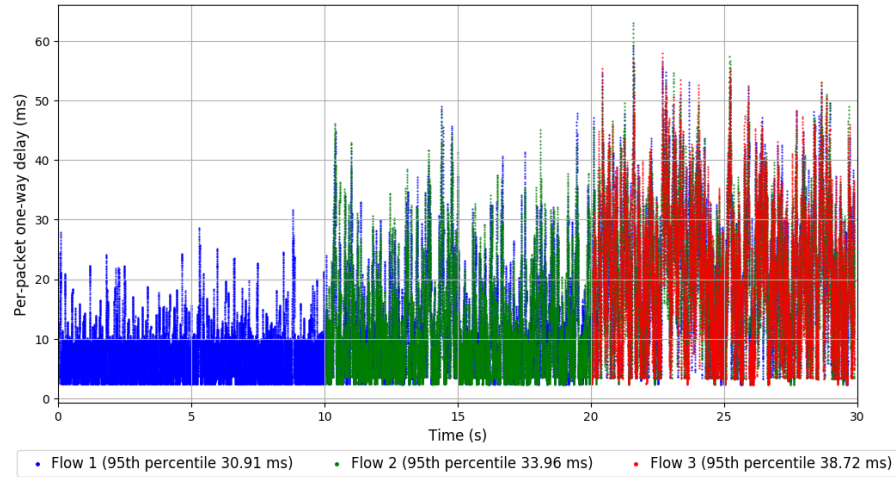
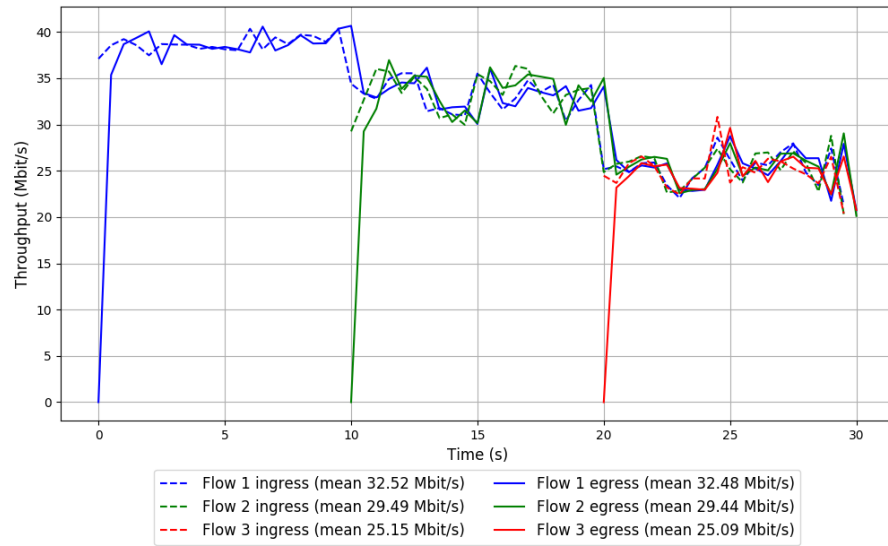


Run 4: Statistics of Sprout

Start at: 2018-08-22 20:07:01
End at: 2018-08-22 20:07:31
Local clock offset: -2.806 ms
Remote clock offset: -11.142 ms

```
# Below is generated by plot.py at 2018-08-22 22:28:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 33.695 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 30.913 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 33.964 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 38.720 ms
Loss rate: 0.44%
```

Run 4: Report of Sprout — Data Link

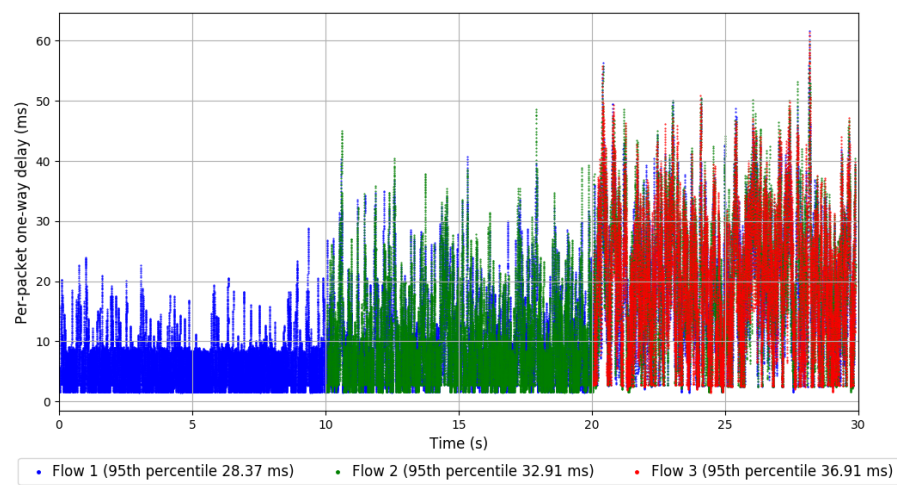
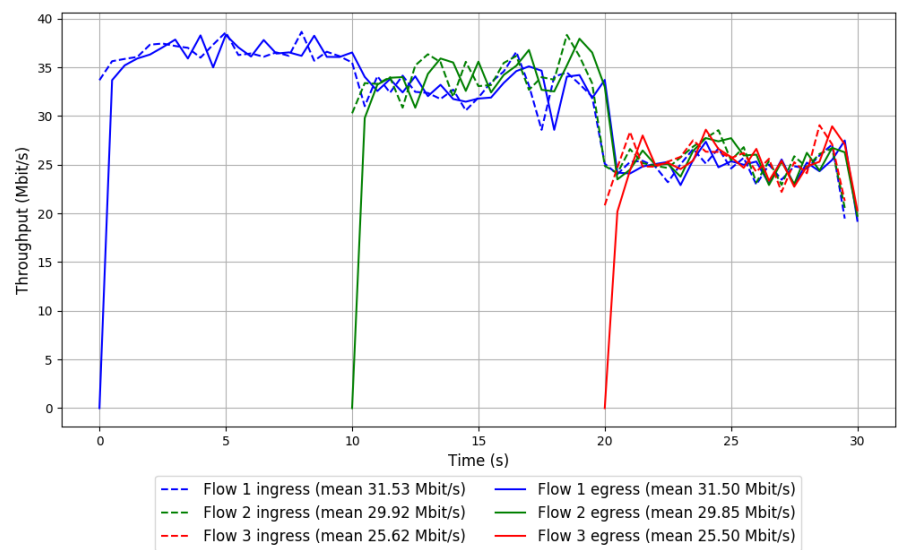


Run 5: Statistics of Sprout

Start at: 2018-08-22 20:26:06
End at: 2018-08-22 20:26:36
Local clock offset: -4.853 ms
Remote clock offset: -14.78 ms

```
# Below is generated by plot.py at 2018-08-22 22:28:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 32.024 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 28.372 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 32.907 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 36.906 ms
Loss rate: 0.51%
```

Run 5: Report of Sprout — Data Link

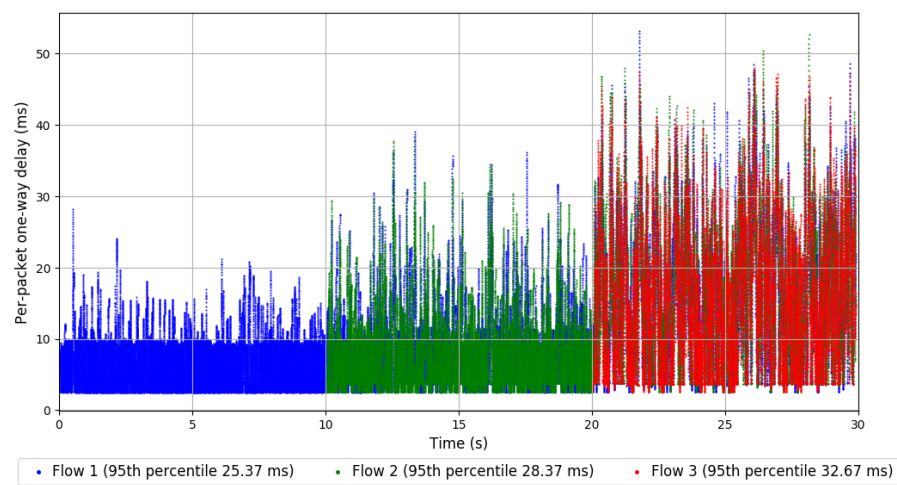
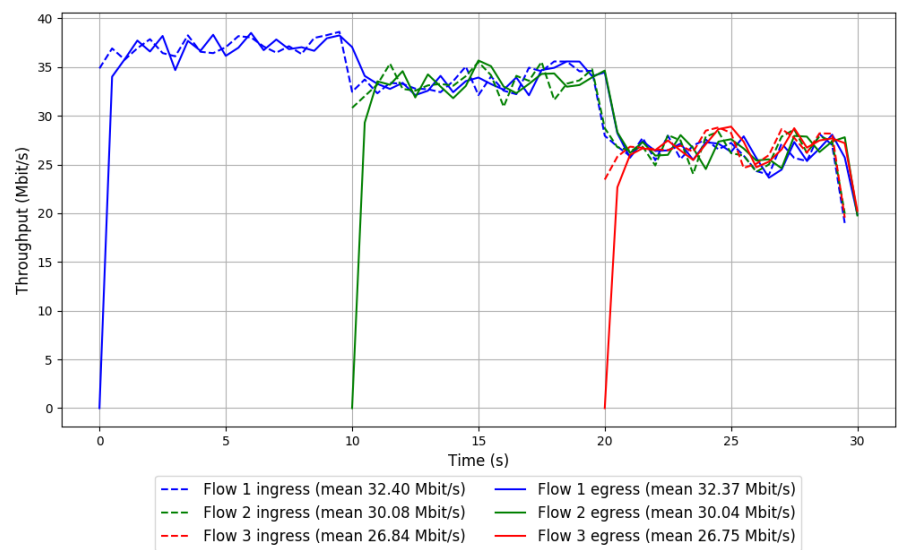


Run 6: Statistics of Sprout

Start at: 2018-08-22 20:45:07
End at: 2018-08-22 20:45:37
Local clock offset: -6.651 ms
Remote clock offset: -16.793 ms

```
# Below is generated by plot.py at 2018-08-22 22:28:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 28.187 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 25.373 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 28.366 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 0.21%
```


Run 6: Report of Sprout — Data Link

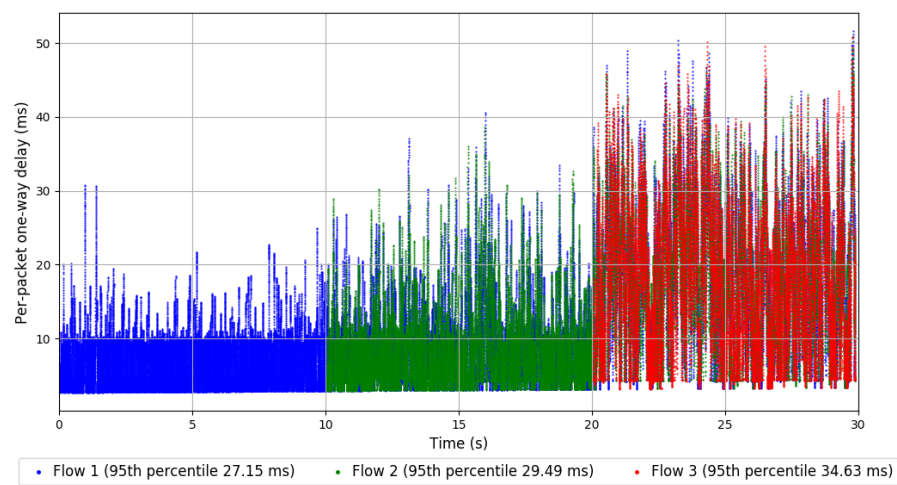
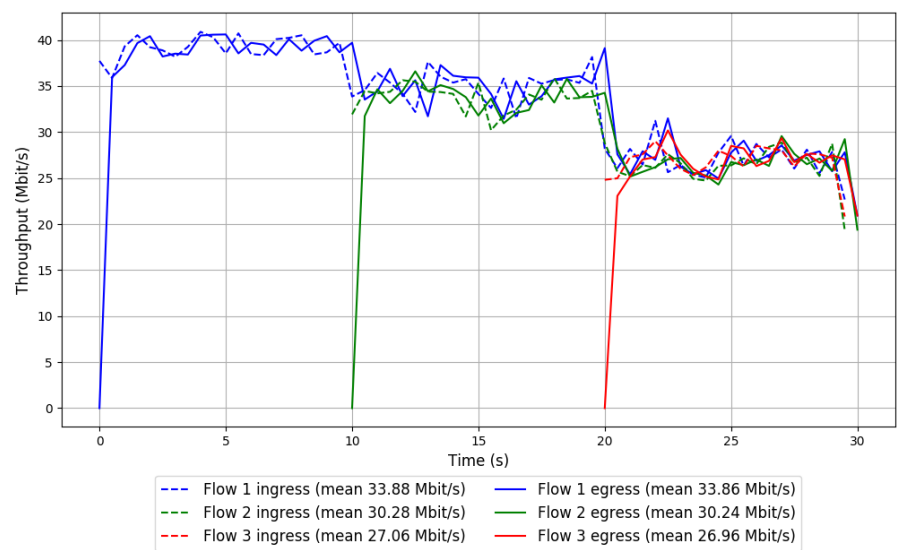


Run 7: Statistics of Sprout

Start at: 2018-08-22 21:04:08
End at: 2018-08-22 21:04:38
Local clock offset: -8.746 ms
Remote clock offset: -11.789 ms

Below is generated by plot.py at 2018-08-22 22:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 29.780 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 27.146 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 29.493 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 34.628 ms
Loss rate: 0.48%

Run 7: Report of Sprout — Data Link

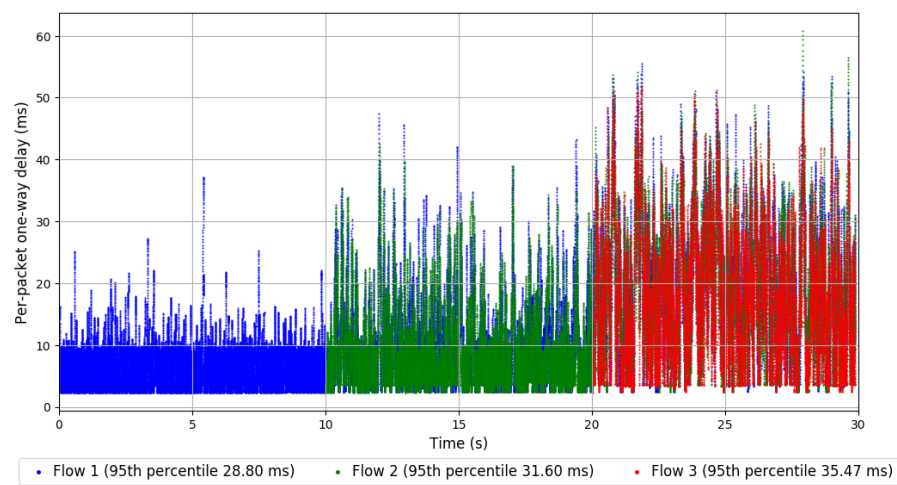
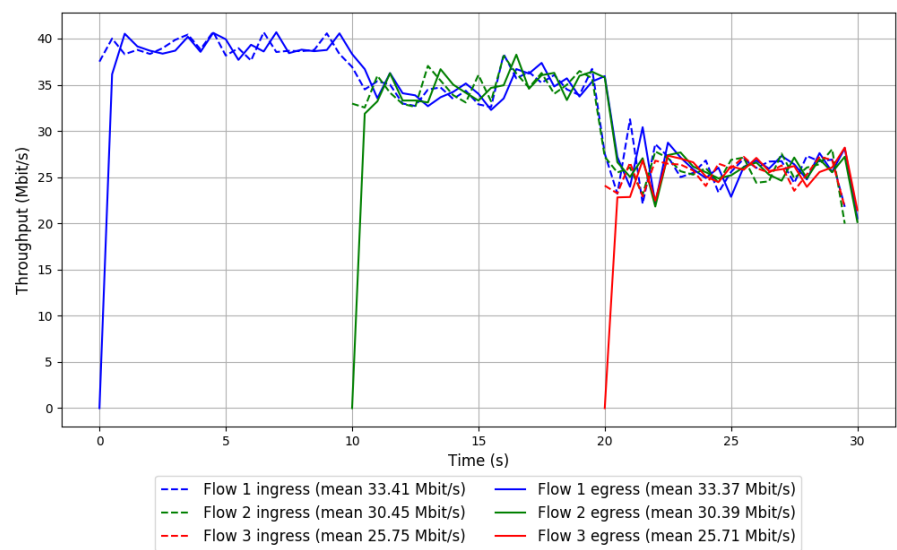


Run 8: Statistics of Sprout

Start at: 2018-08-22 21:23:09
End at: 2018-08-22 21:23:39
Local clock offset: -8.285 ms
Remote clock offset: 0.469 ms

```
# Below is generated by plot.py at 2018-08-22 22:28:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 28.800 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 31.598 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 35.471 ms
Loss rate: 0.15%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-22 21:42:07

End at: 2018-08-22 21:42:37

Local clock offset: -6.415 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-22 22:28:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.09 Mbit/s

95th percentile per-packet one-way delay: 16.543 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 14.373 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 16.940 ms

Loss rate: 0.07%

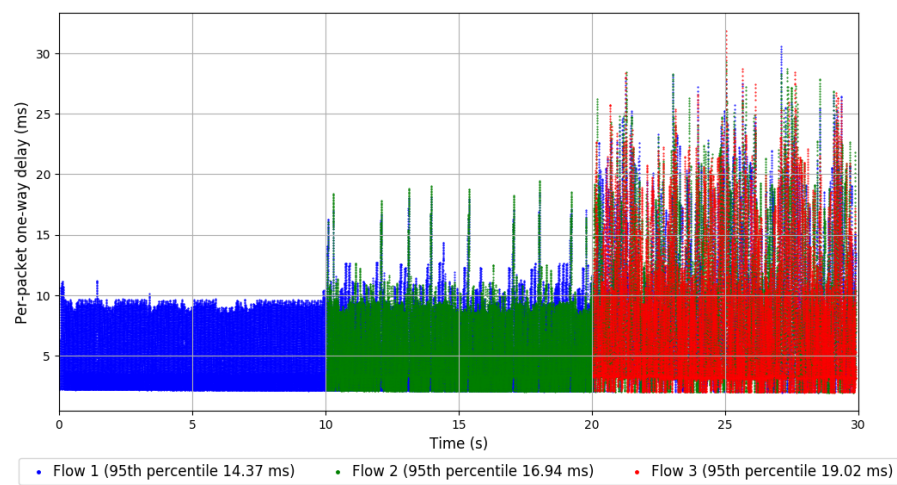
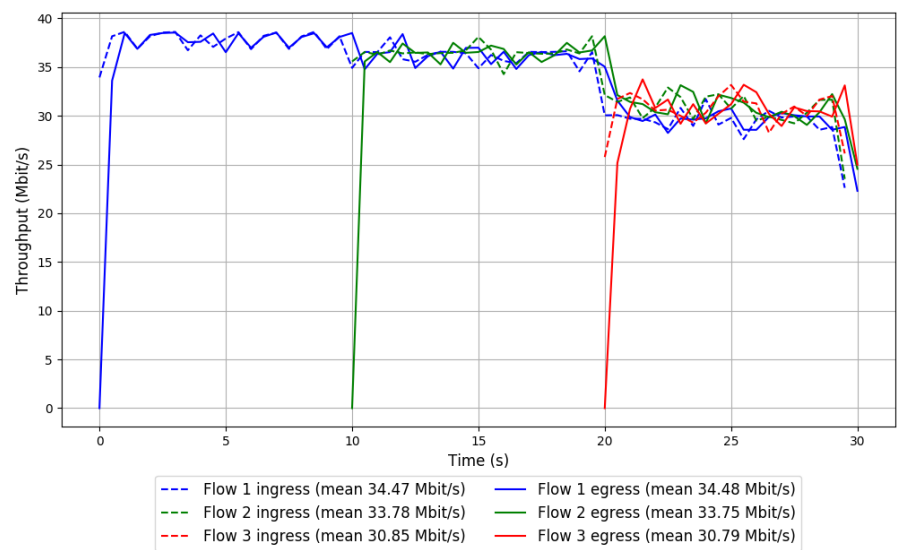
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 19.016 ms

Loss rate: 0.30%

Run 9: Report of Sprout — Data Link

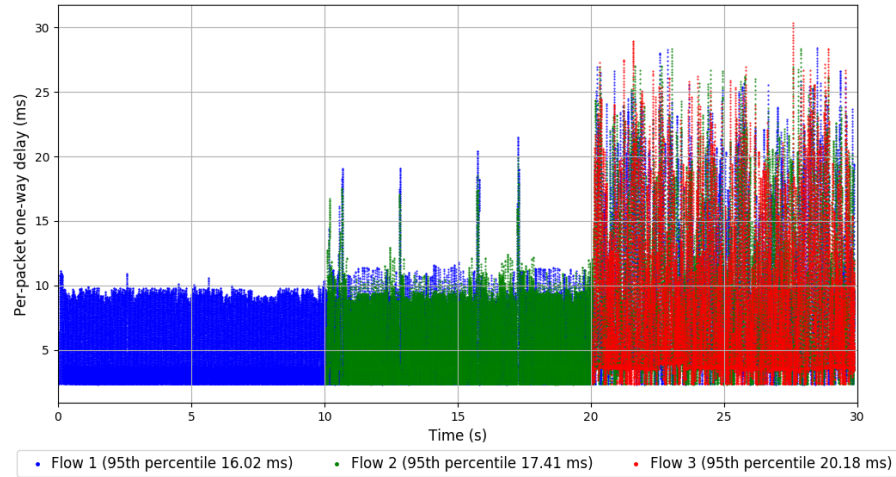
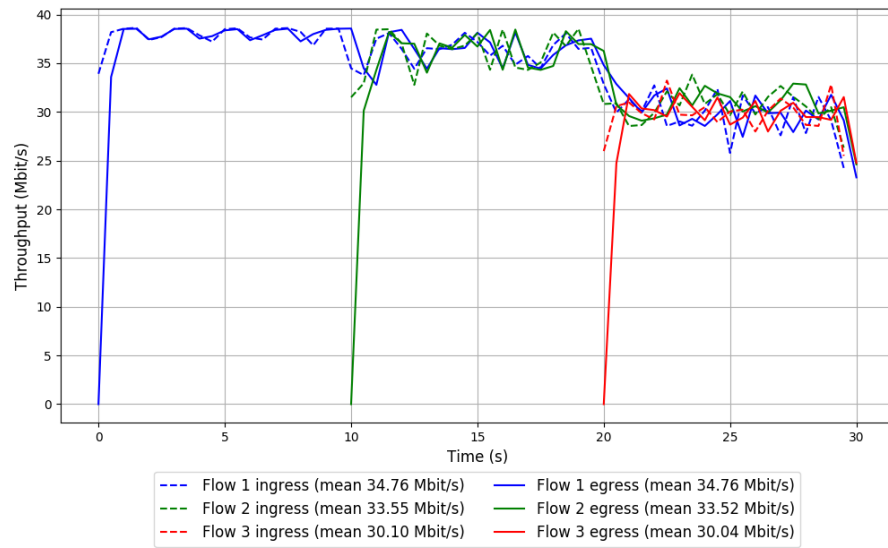


Run 10: Statistics of Sprout

Start at: 2018-08-22 22:01:17
End at: 2018-08-22 22:01:47
Local clock offset: -3.878 ms
Remote clock offset: -0.909 ms

Below is generated by plot.py at 2018-08-22 22:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 17.579 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 16.016 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 17.405 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 20.177 ms
Loss rate: 0.34%

Run 10: Report of Sprout — Data Link

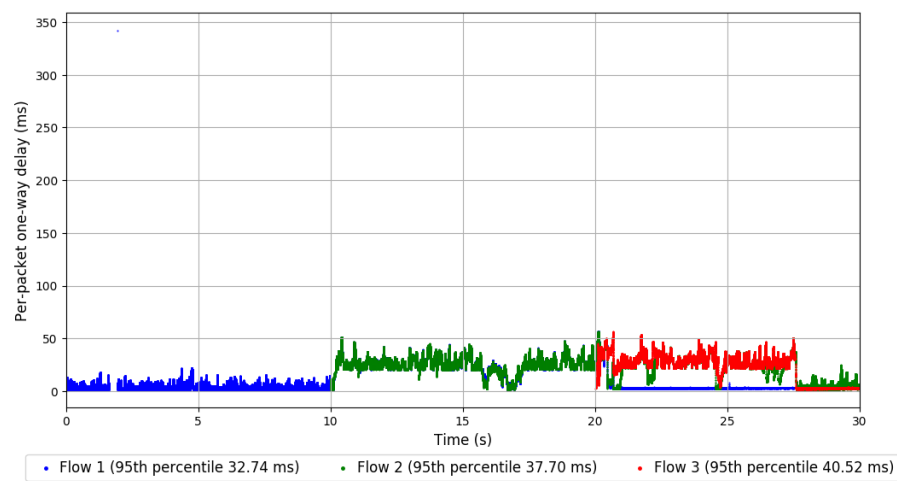
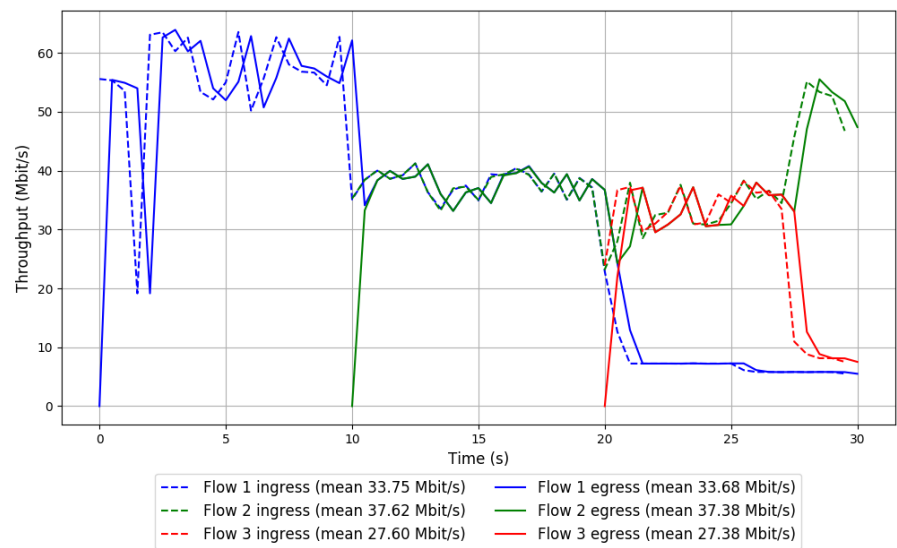


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 19:17:57
End at: 2018-08-22 19:18:27
Local clock offset: -3.932 ms
Remote clock offset: -8.472 ms

# Below is generated by plot.py at 2018-08-22 22:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 36.801 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 37.703 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 40.519 ms
Loss rate: 0.82%
```

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

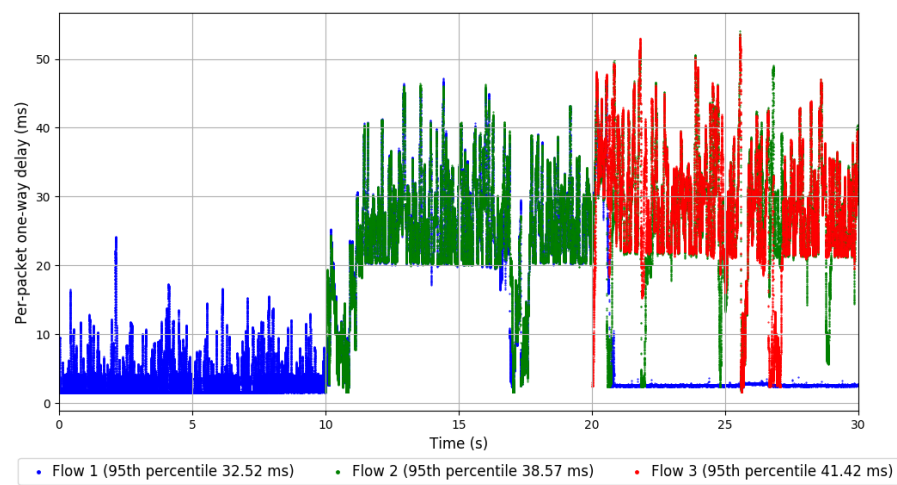
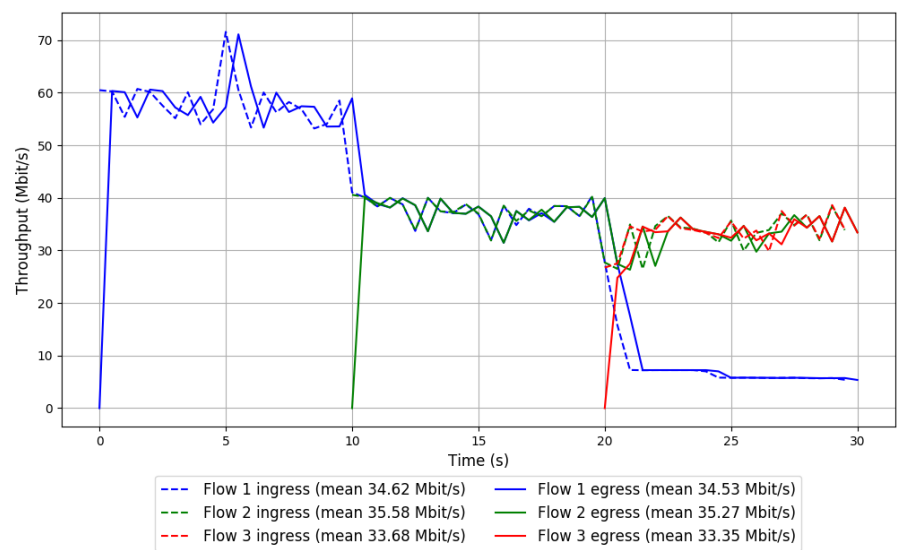


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 19:36:55
End at: 2018-08-22 19:37:25
Local clock offset: -4.054 ms
Remote clock offset: -1.115 ms

Below is generated by plot.py at 2018-08-22 22:29:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 32.520 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 38.567 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 41.416 ms
Loss rate: 1.15%

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

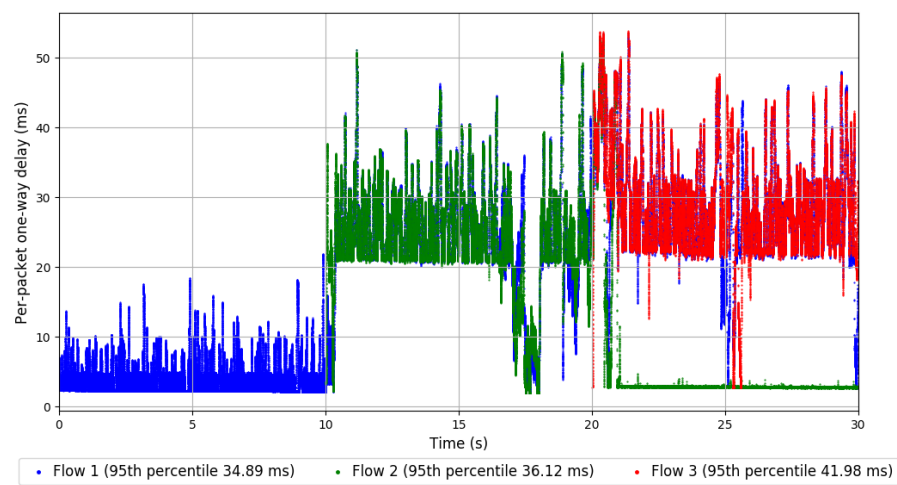
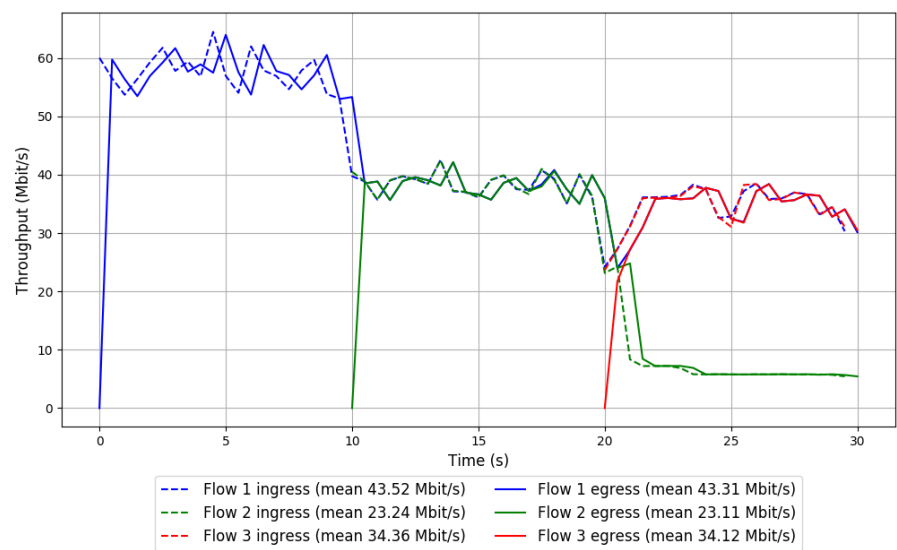


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 19:55:54
End at: 2018-08-22 19:56:24
Local clock offset: -2.899 ms
Remote clock offset: -4.389 ms

Below is generated by plot.py at 2018-08-22 22:29:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 36.999 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 34.886 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 36.120 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 41.983 ms
Loss rate: 0.92%

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

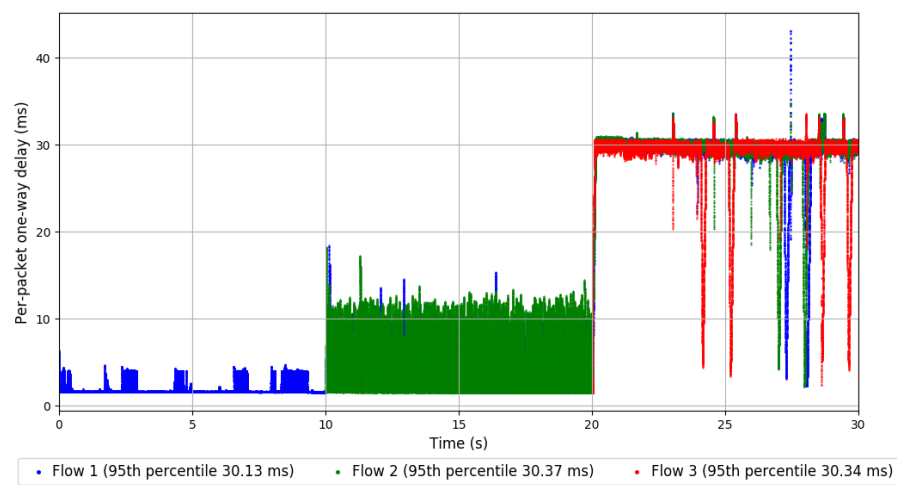
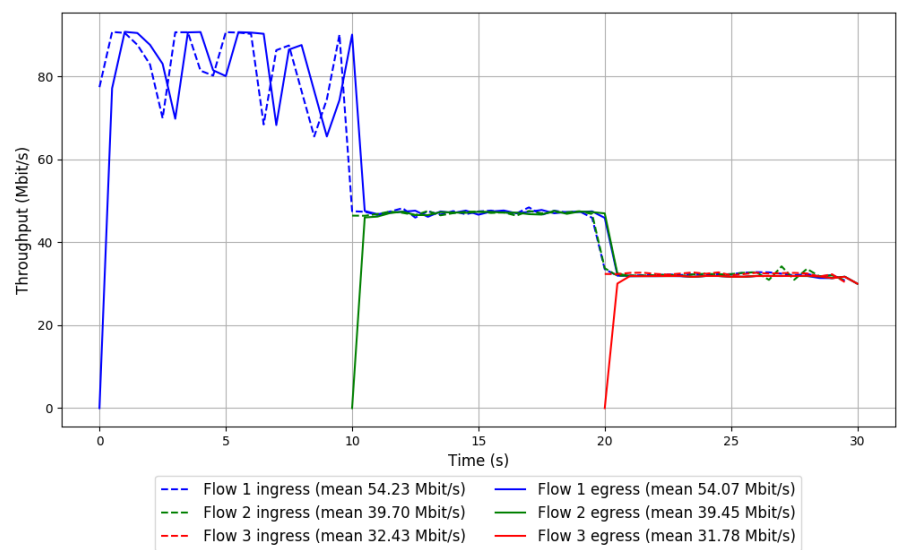


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 20:14:56
End at: 2018-08-22 20:15:26
Local clock offset: -4.471 ms
Remote clock offset: -13.188 ms

Below is generated by plot.py at 2018-08-22 22:30:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 30.257 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 30.132 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 30.368 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 30.344 ms
Loss rate: 2.18%

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

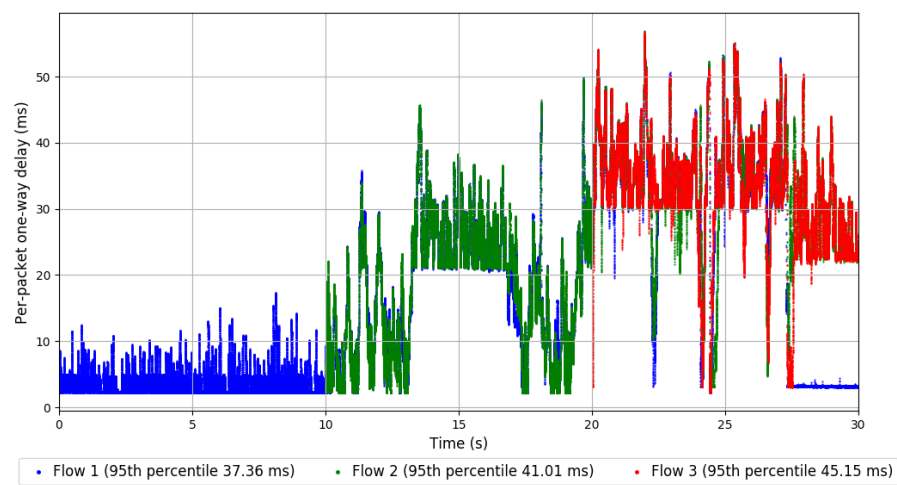
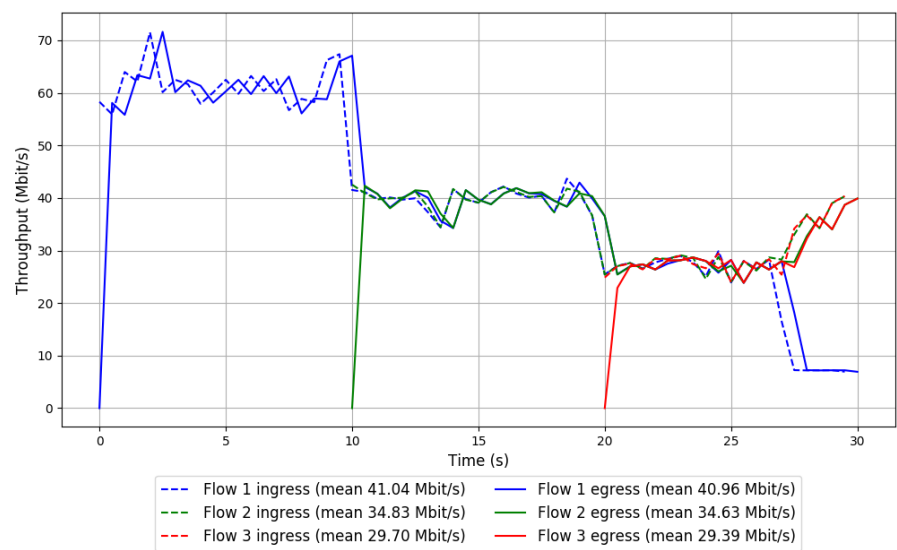


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 20:33:58
End at: 2018-08-22 20:34:28
Local clock offset: -4.255 ms
Remote clock offset: -15.646 ms

Below is generated by plot.py at 2018-08-22 22:30:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 40.383 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 37.356 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 41.007 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 45.150 ms
Loss rate: 1.08%

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

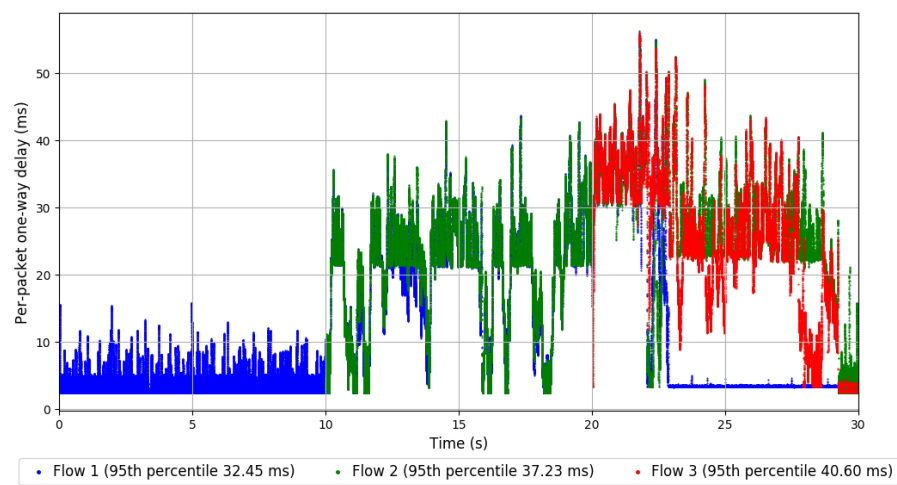
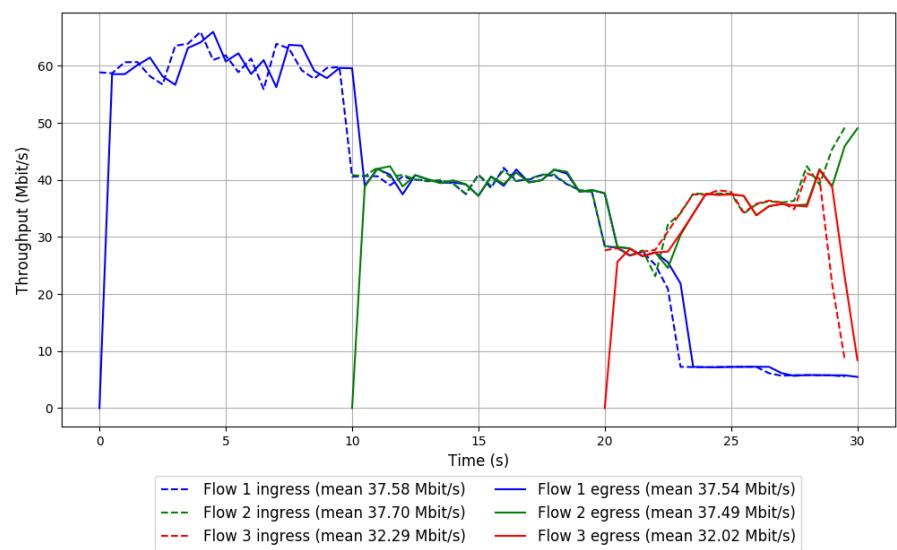


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 20:52:59
End at: 2018-08-22 20:53:29
Local clock offset: -7.765 ms
Remote clock offset: -17.514 ms

Below is generated by plot.py at 2018-08-22 22:30:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.14 Mbit/s
95th percentile per-packet one-way delay: 36.754 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 32.450 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 37.235 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 40.598 ms
Loss rate: 0.92%

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

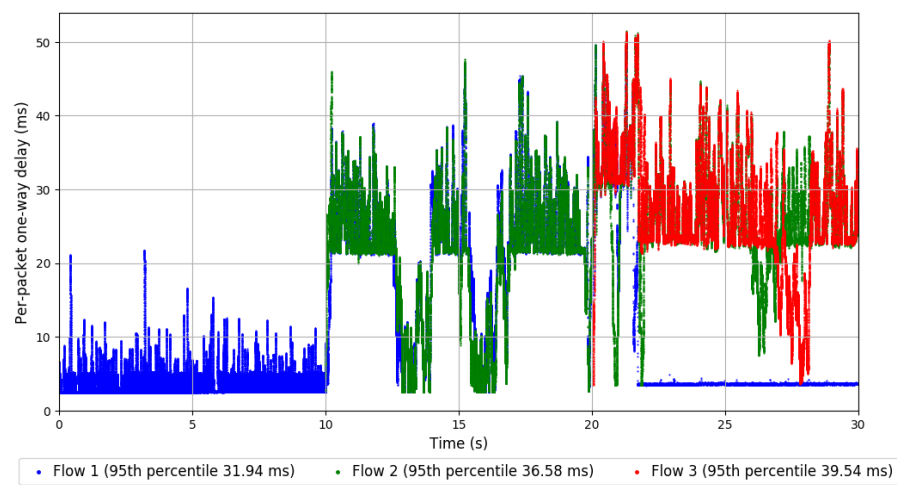
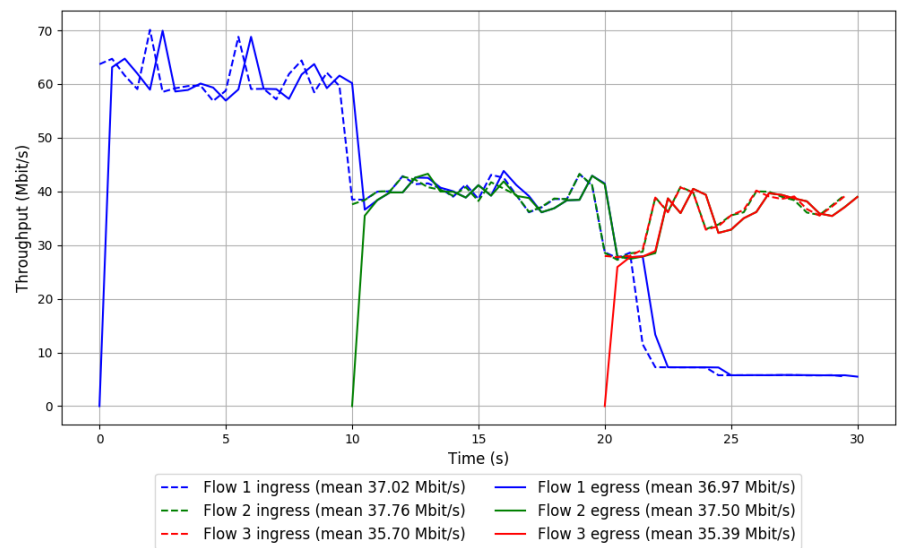


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 21:12:01
End at: 2018-08-22 21:12:31
Local clock offset: -8.499 ms
Remote clock offset: -4.487 ms

Below is generated by plot.py at 2018-08-22 22:30:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.70 Mbit/s
95th percentile per-packet one-way delay: 35.753 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 36.584 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 39.540 ms
Loss rate: 1.10%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 21:31:00

End at: 2018-08-22 21:31:30

Local clock offset: -8.364 ms

Remote clock offset: 2.506 ms

Below is generated by plot.py at 2018-08-22 22:30:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.02 Mbit/s

95th percentile per-packet one-way delay: 37.939 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 35.05 Mbit/s

95th percentile per-packet one-way delay: 31.606 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 39.965 ms

Loss rate: 0.81%

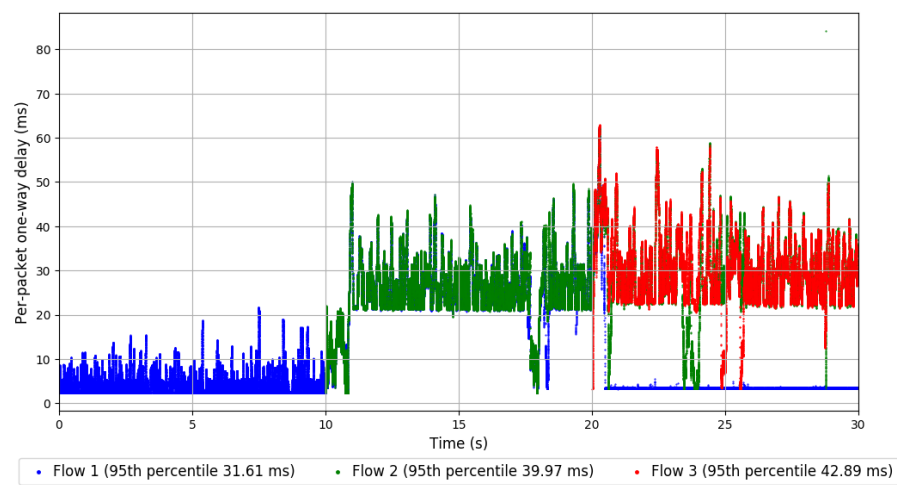
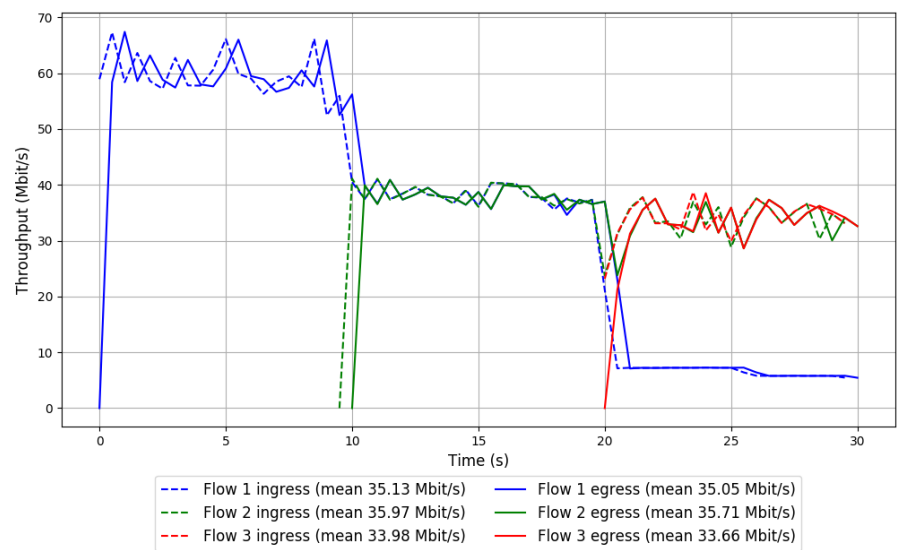
-- Flow 3:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 42.891 ms

Loss rate: 1.10%

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

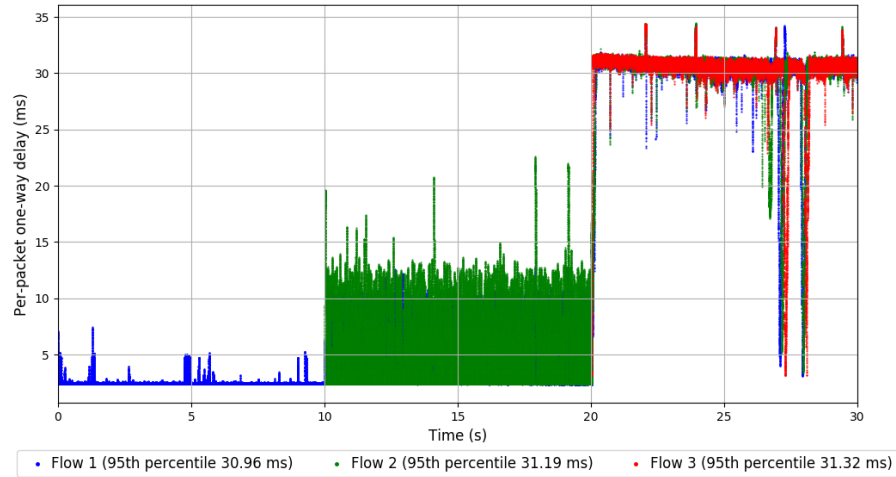
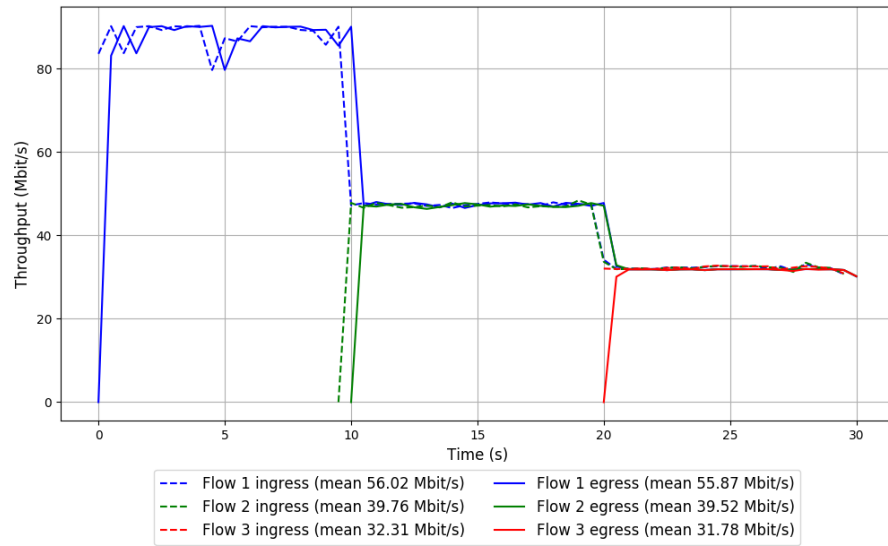


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 21:50:05
End at: 2018-08-22 21:50:35
Local clock offset: -4.8 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2018-08-22 22:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 31.138 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 30.959 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 31.194 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 1.74%

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

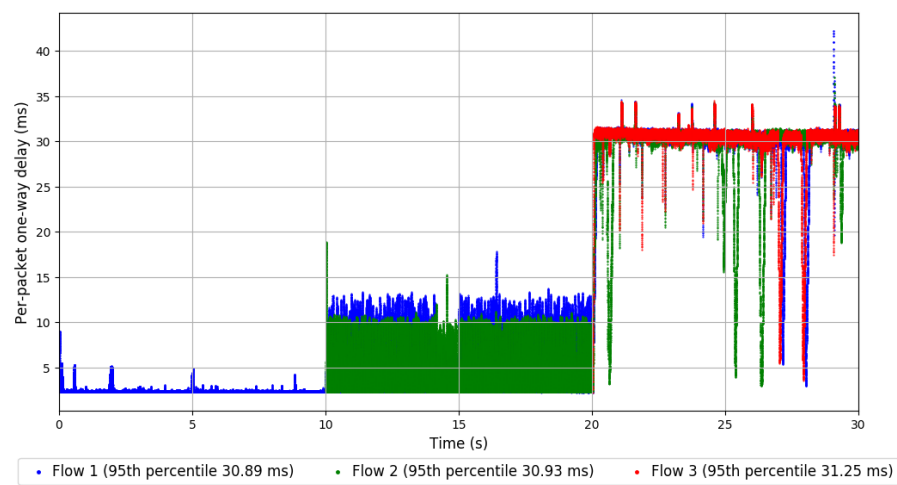
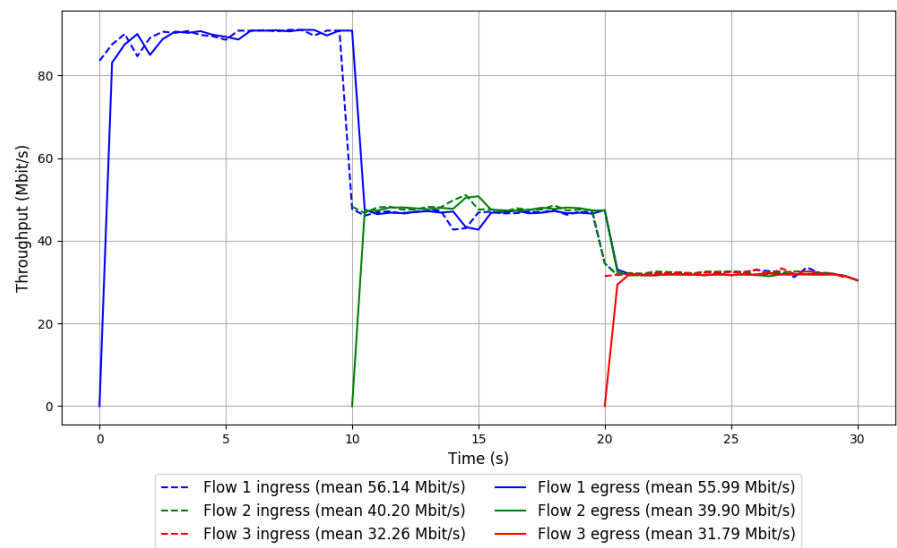


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 22:09:16
End at: 2018-08-22 22:09:46
Local clock offset: -3.512 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 30.931 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 31.254 ms
Loss rate: 1.64%

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

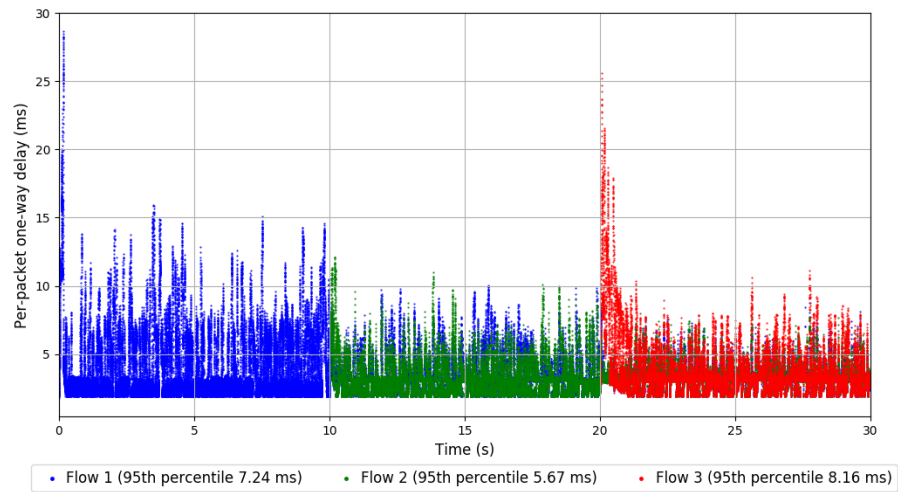
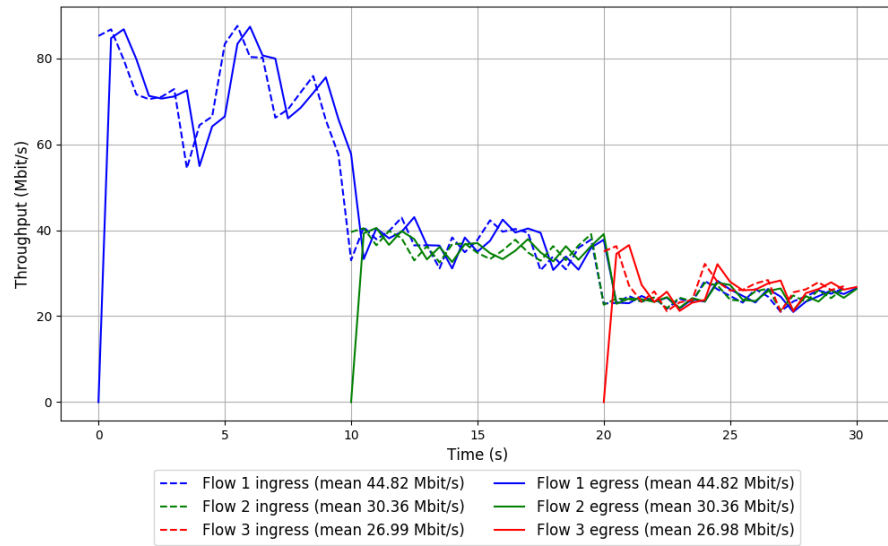


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 19:11:13
End at: 2018-08-22 19:11:43
Local clock offset: -2.895 ms
Remote clock offset: -7.791 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 6.954 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 7.244 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 5.675 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 8.164 ms
Loss rate: 0.06%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 19:30:11

End at: 2018-08-22 19:30:41

Local clock offset: -2.516 ms

Remote clock offset: -2.62 ms

Below is generated by plot.py at 2018-08-22 22:31:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.48 Mbit/s

95th percentile per-packet one-way delay: 8.537 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 45.16 Mbit/s

95th percentile per-packet one-way delay: 8.775 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.54 Mbit/s

95th percentile per-packet one-way delay: 7.071 ms

Loss rate: 0.02%

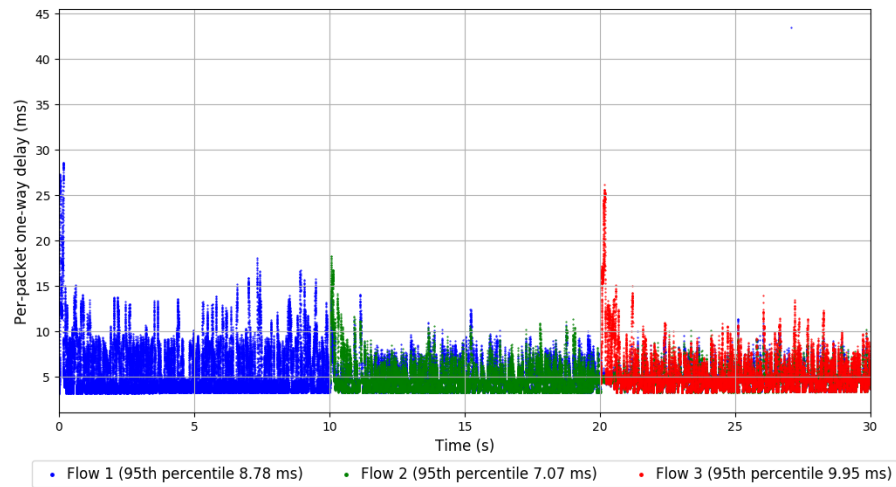
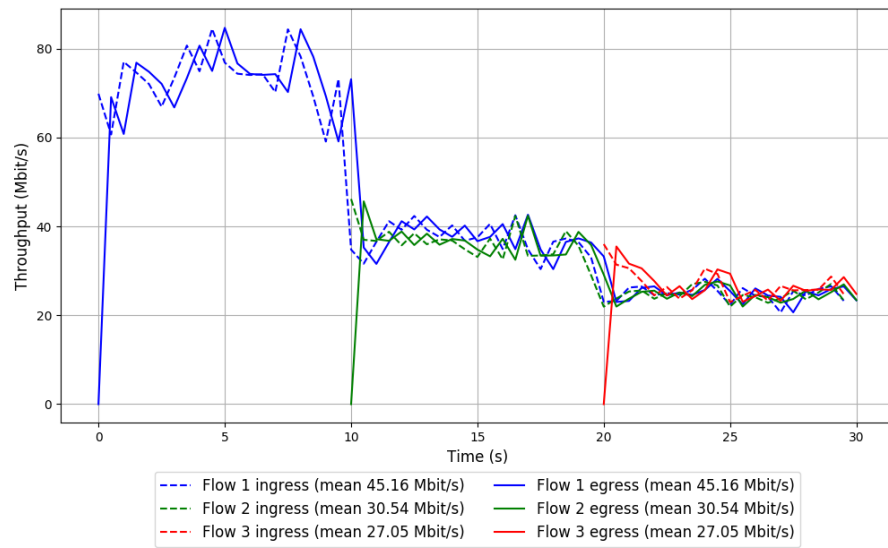
-- Flow 3:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 9.948 ms

Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2018-08-22 19:49:38

Local clock offset: -3.814 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-08-22 22:31:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 7.141 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 42.46 Mbit/s

95th percentile per-packet one-way delay: 7.021 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 7.508 ms

Loss rate: 0.03%

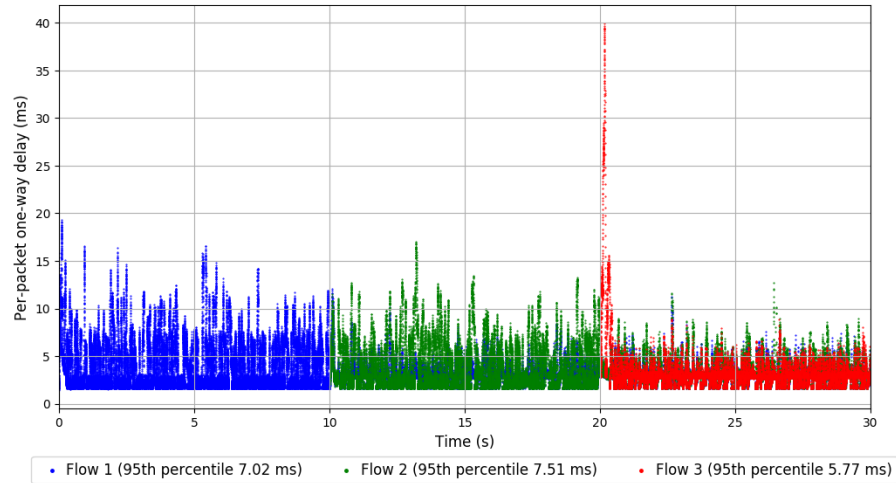
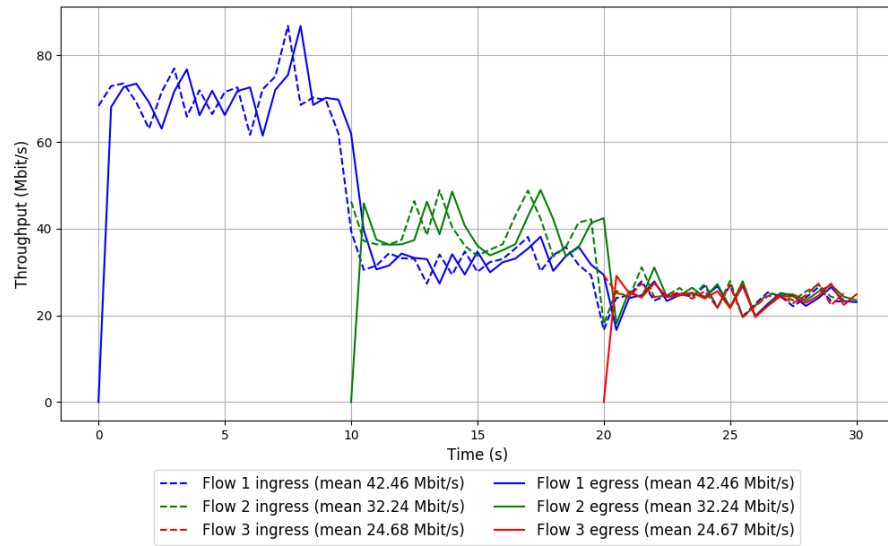
-- Flow 3:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 5.770 ms

Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

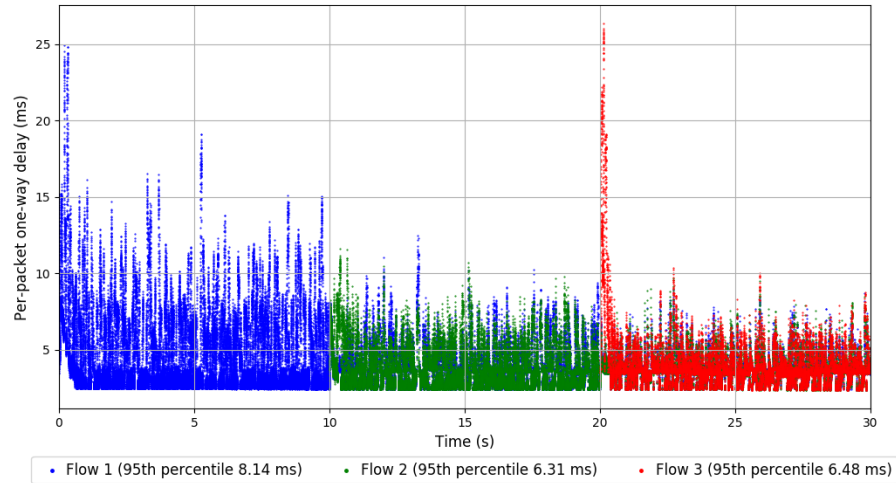
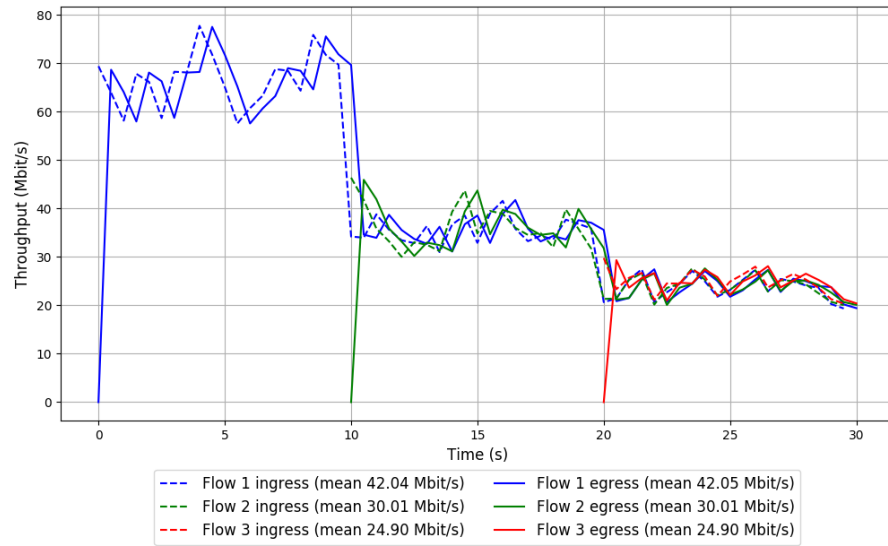


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 20:08:08
End at: 2018-08-22 20:08:38
Local clock offset: -2.971 ms
Remote clock offset: -11.553 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 7.504 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 8.138 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 6.307 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 6.479 ms
Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link

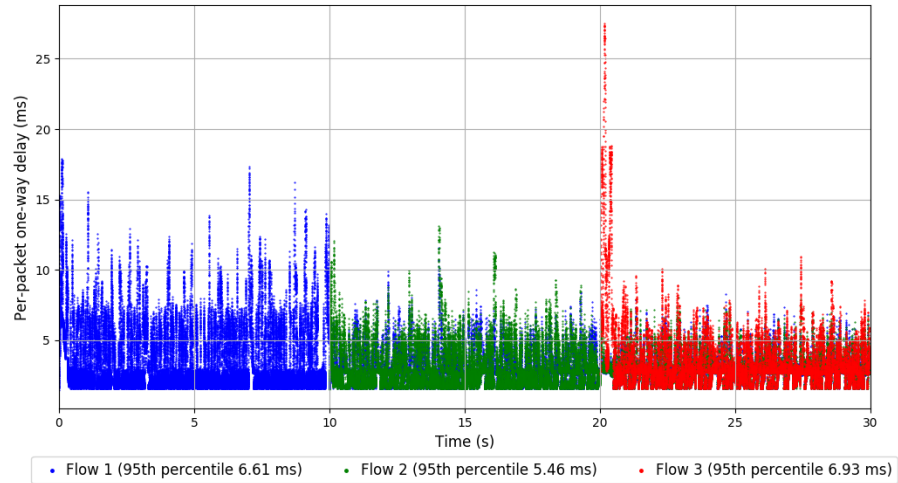
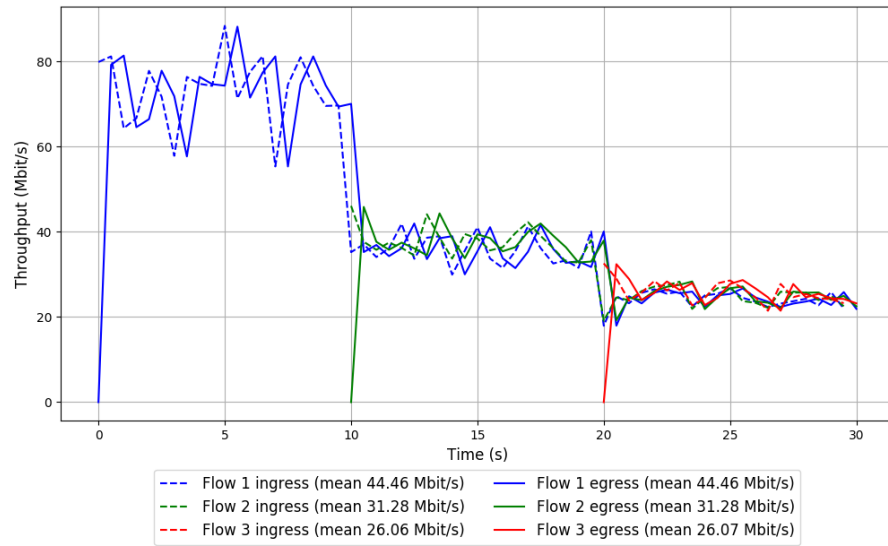


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 20:27:13
End at: 2018-08-22 20:27:43
Local clock offset: -4.885 ms
Remote clock offset: -14.916 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 6.345 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 6.605 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 5.458 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 6.932 ms
Loss rate: 0.03%

Run 5: Report of TCP Vegas — Data Link

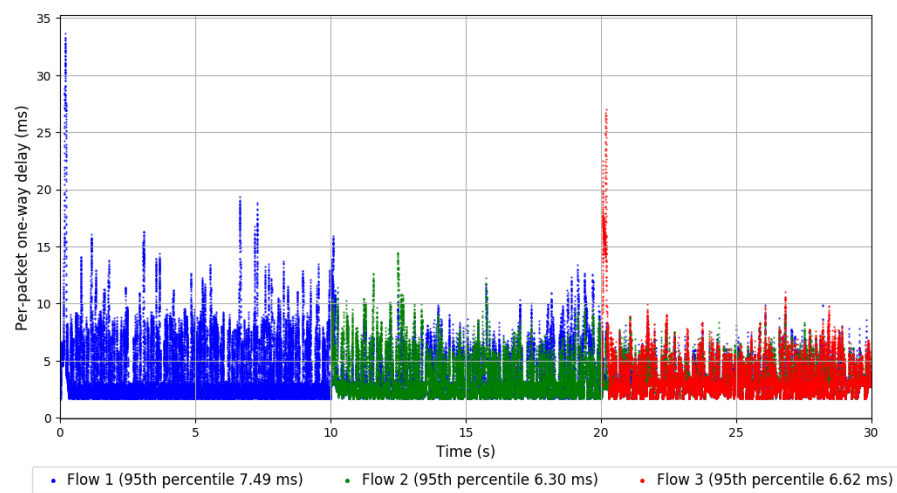
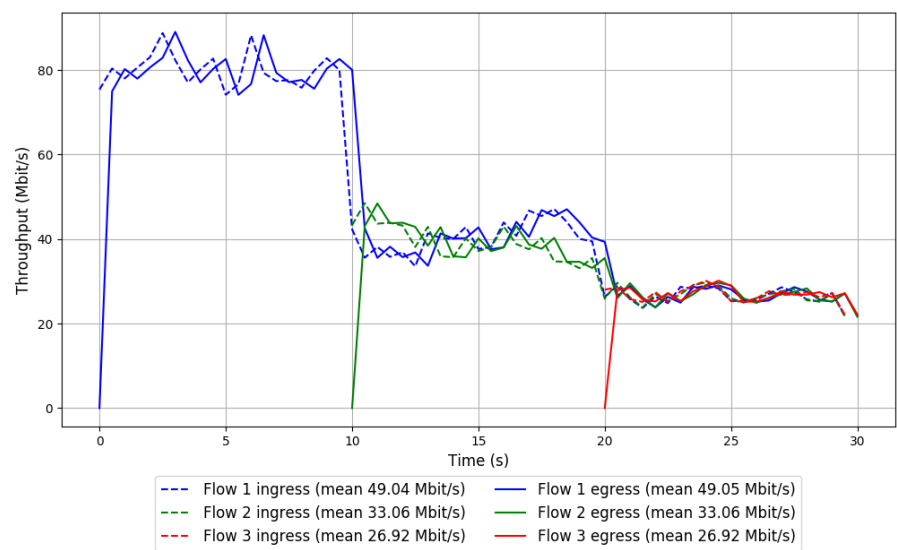


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 20:46:14
End at: 2018-08-22 20:46:44
Local clock offset: -7.638 ms
Remote clock offset: -16.878 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 7.108 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 7.492 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 6.301 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 6.624 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

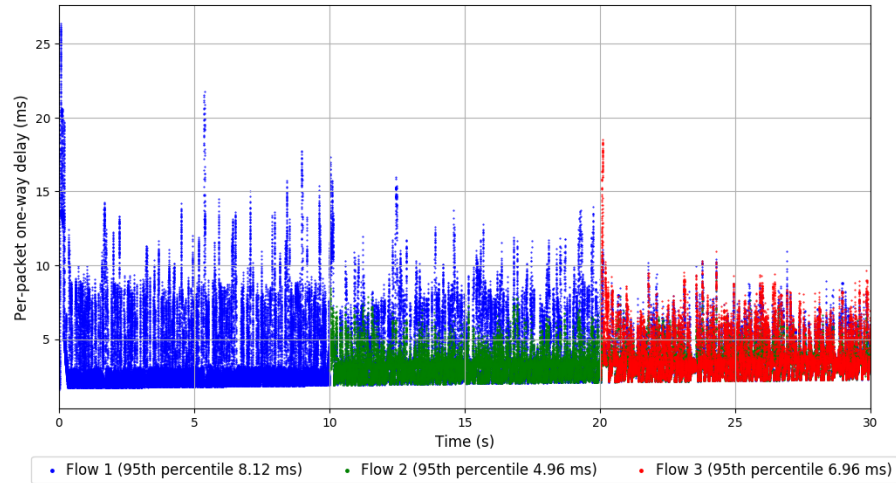
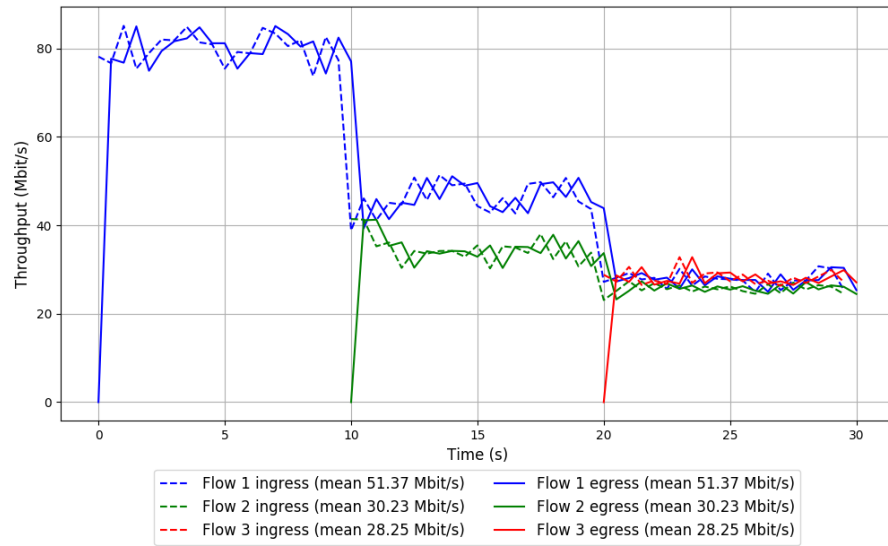


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 21:05:15
End at: 2018-08-22 21:05:45
Local clock offset: -9.671 ms
Remote clock offset: -10.228 ms

Below is generated by plot.py at 2018-08-22 22:31:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 7.476 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 8.118 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 4.956 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 28.25 Mbit/s
95th percentile per-packet one-way delay: 6.964 ms
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 21:24:16

End at: 2018-08-22 21:24:46

Local clock offset: -9.067 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2018-08-22 22:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.02 Mbit/s

95th percentile per-packet one-way delay: 7.376 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 47.73 Mbit/s

95th percentile per-packet one-way delay: 8.254 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 5.334 ms

Loss rate: 0.02%

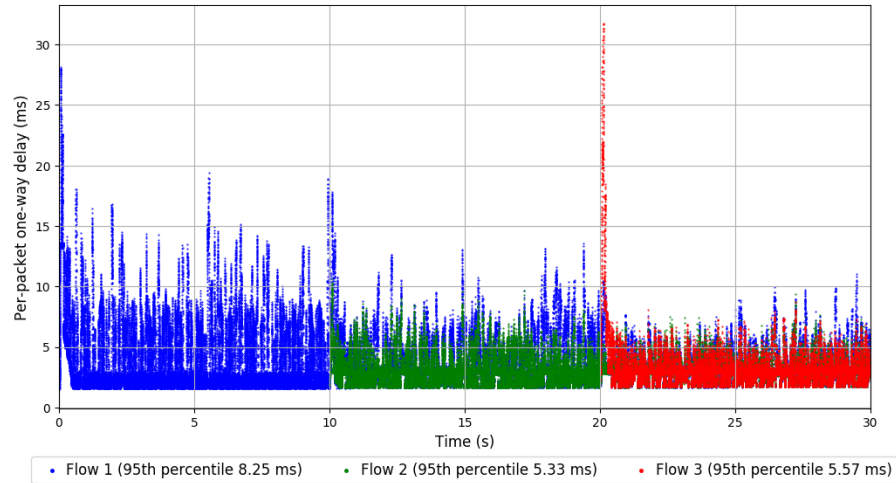
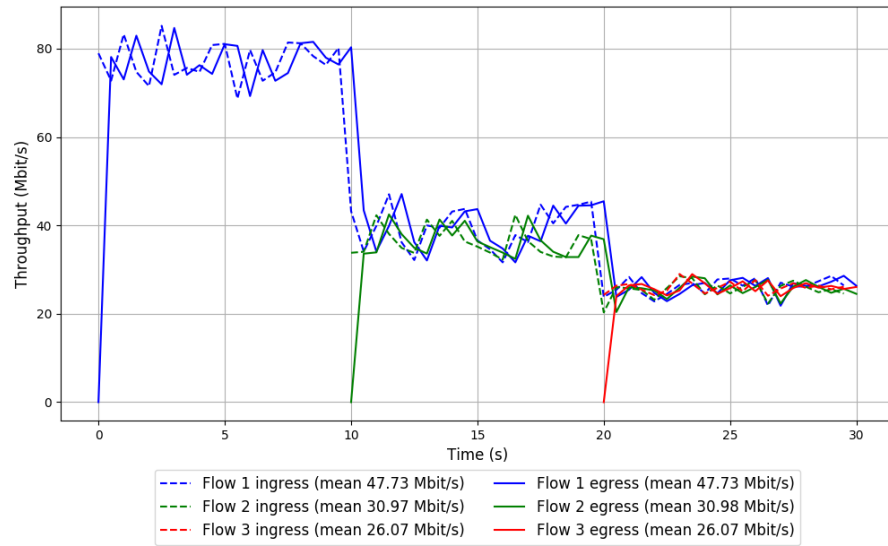
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 5.566 ms

Loss rate: 0.04%

Run 8: Report of TCP Vegas — Data Link

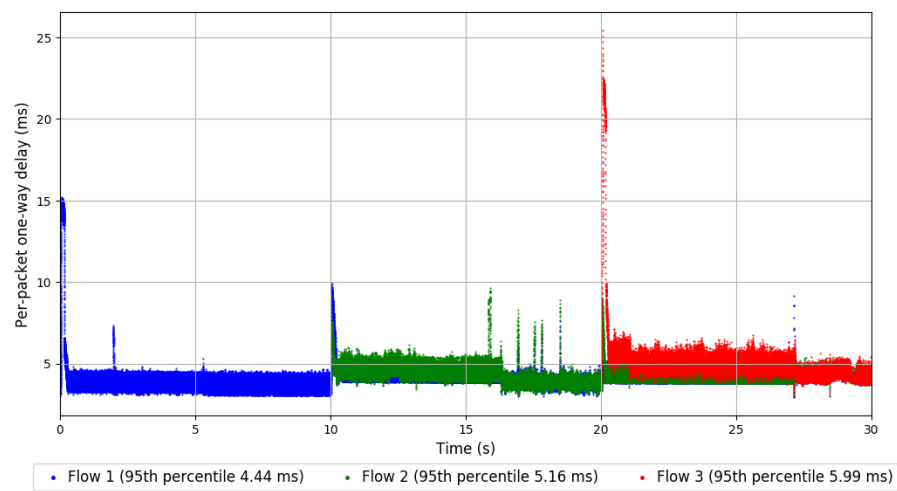
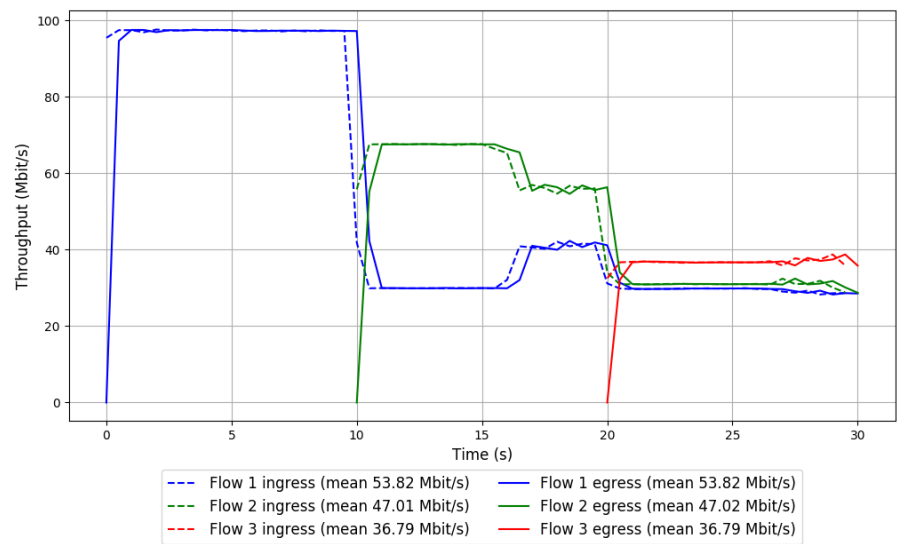


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 21:43:15
End at: 2018-08-22 21:43:45
Local clock offset: -5.355 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-22 22:32:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 5.311 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 4.444 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 5.157 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 5.986 ms
Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link

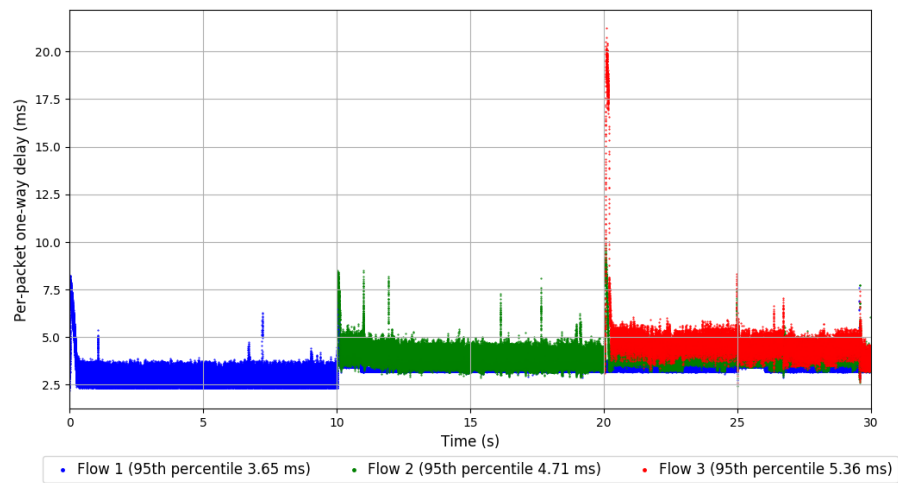
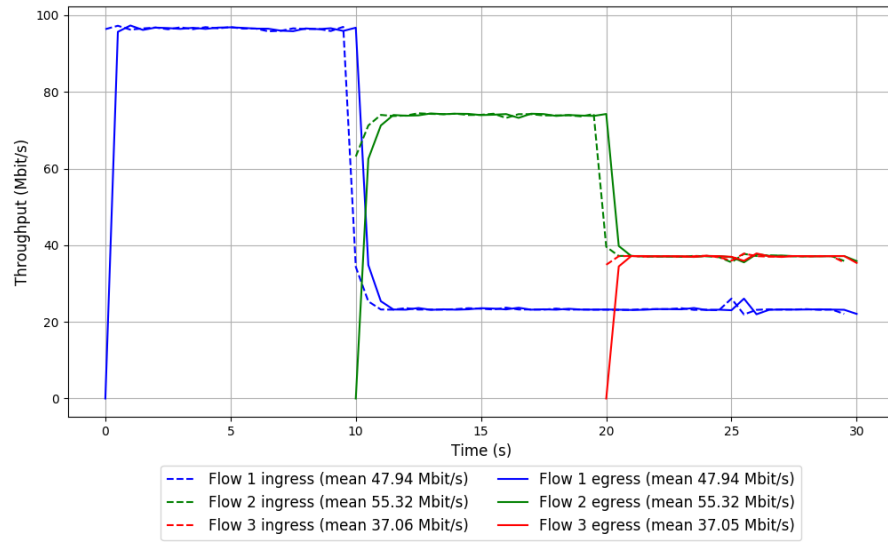


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 22:02:25
End at: 2018-08-22 22:02:55
Local clock offset: -3.873 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2018-08-22 22:32:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 4.878 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 3.647 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 4.705 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 5.363 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

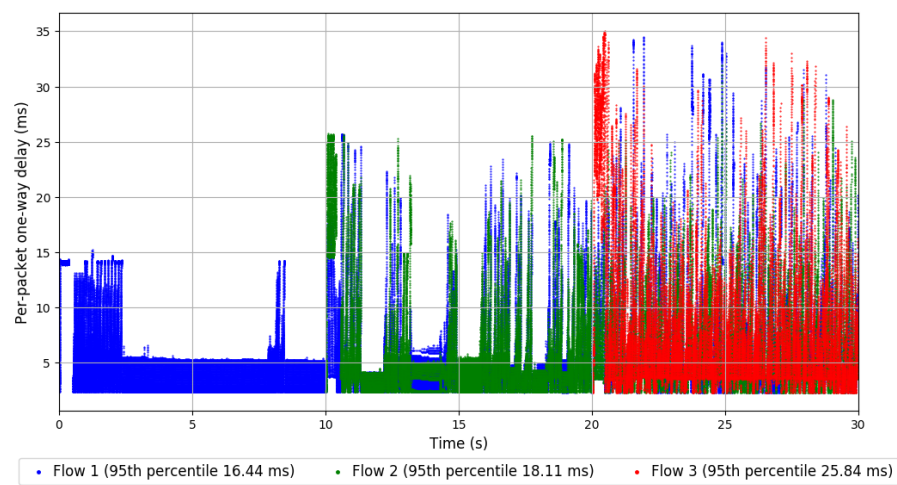
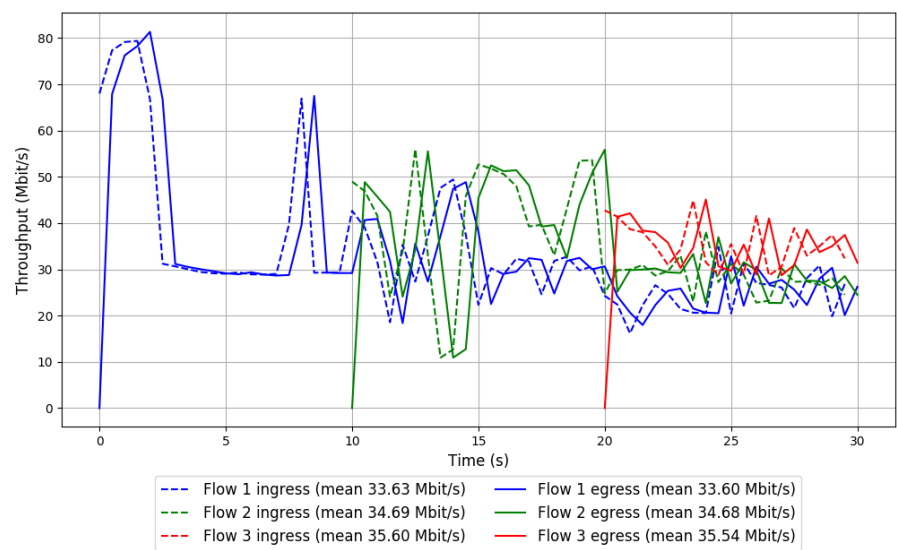


Run 1: Statistics of Verus

Start at: 2018-08-22 19:04:30
End at: 2018-08-22 19:05:00
Local clock offset: -2.446 ms
Remote clock offset: -7.638 ms

Below is generated by plot.py at 2018-08-22 22:32:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.49 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 16.437 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 18.105 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 25.835 ms
Loss rate: 0.15%

Run 1: Report of Verus — Data Link

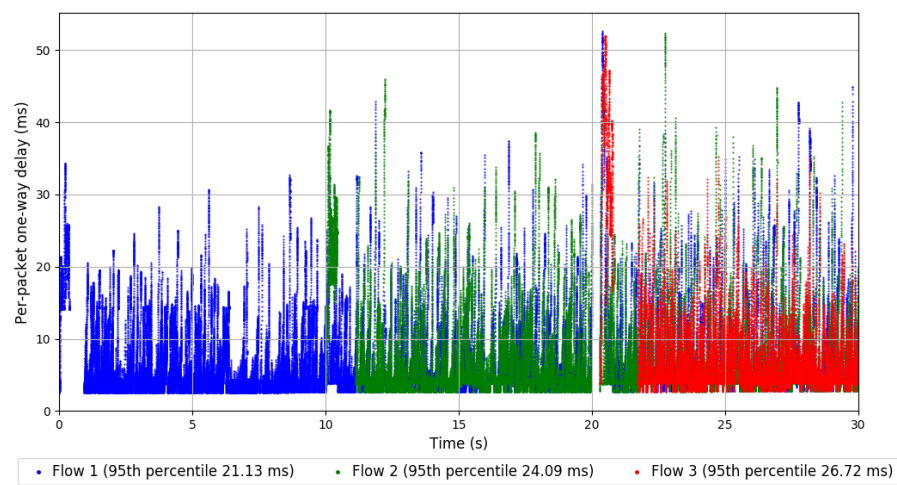
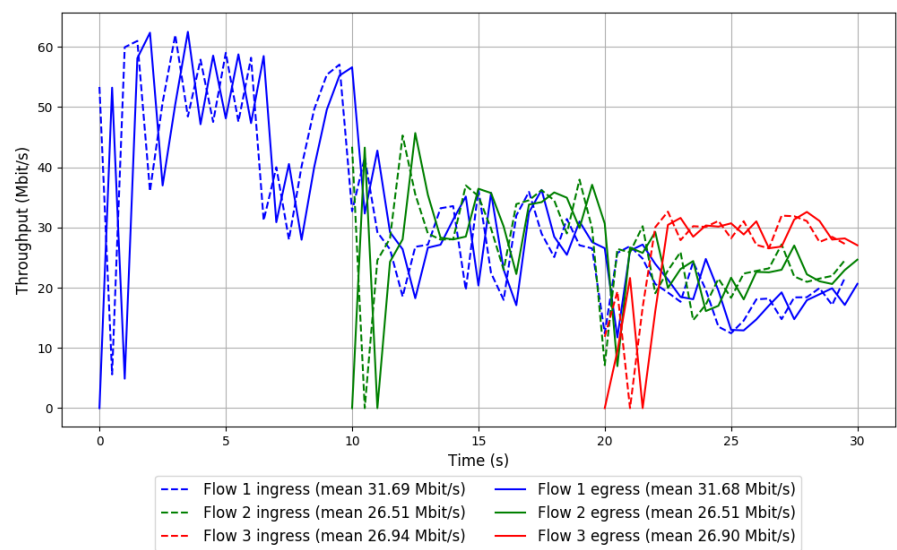


Run 2: Statistics of Verus

Start at: 2018-08-22 19:23:31
End at: 2018-08-22 19:24:01
Local clock offset: -3.239 ms
Remote clock offset: -5.058 ms

Below is generated by plot.py at 2018-08-22 22:32:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 22.498 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 21.133 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.51 Mbit/s
95th percentile per-packet one-way delay: 24.086 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 26.723 ms
Loss rate: 0.15%

Run 2: Report of Verus — Data Link

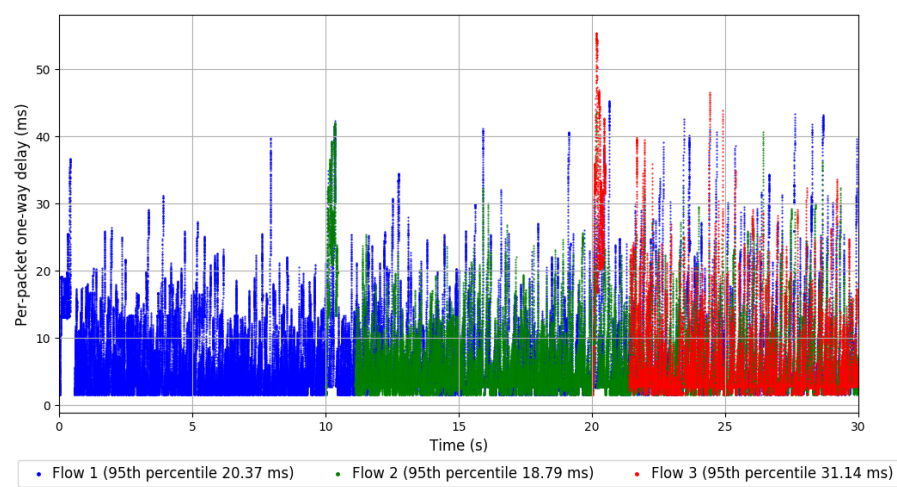
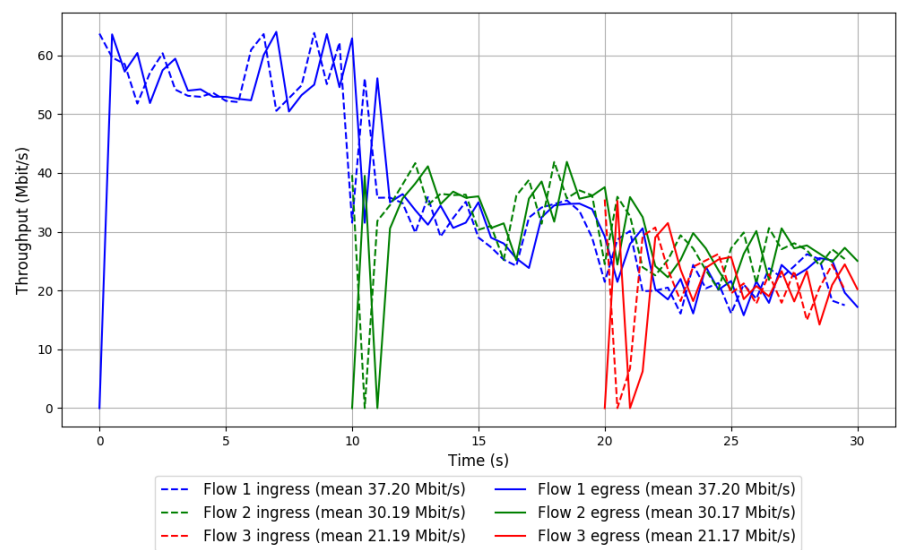


Run 3: Statistics of Verus

Start at: 2018-08-22 19:42:28
End at: 2018-08-22 19:42:58
Local clock offset: -3.931 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-08-22 22:32:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 21.137 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 20.370 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 18.790 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 31.145 ms
Loss rate: 0.08%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-22 20:01:28

End at: 2018-08-22 20:01:58

Local clock offset: -3.651 ms

Remote clock offset: -8.55 ms

Below is generated by plot.py at 2018-08-22 22:32:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 20.462 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 34.45 Mbit/s

95th percentile per-packet one-way delay: 19.222 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 19.568 ms

Loss rate: 0.03%

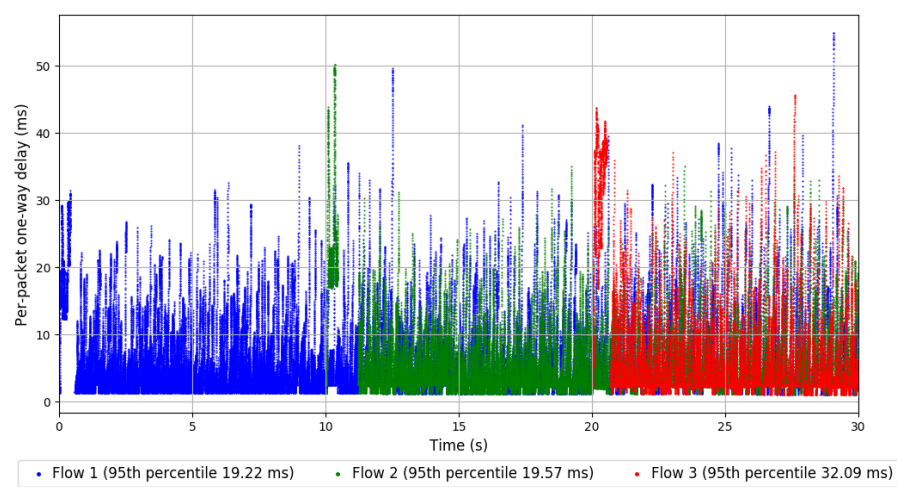
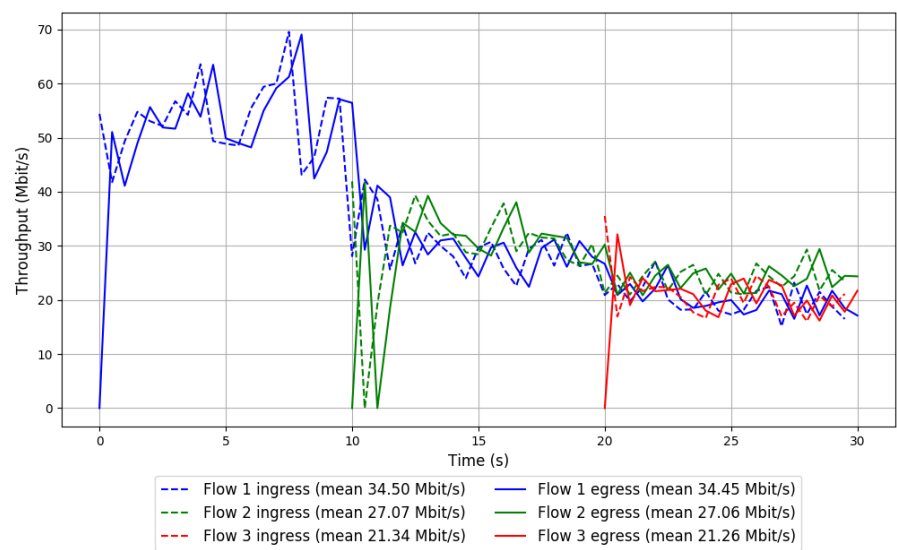
-- Flow 3:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 32.086 ms

Loss rate: 0.38%

Run 4: Report of Verus — Data Link

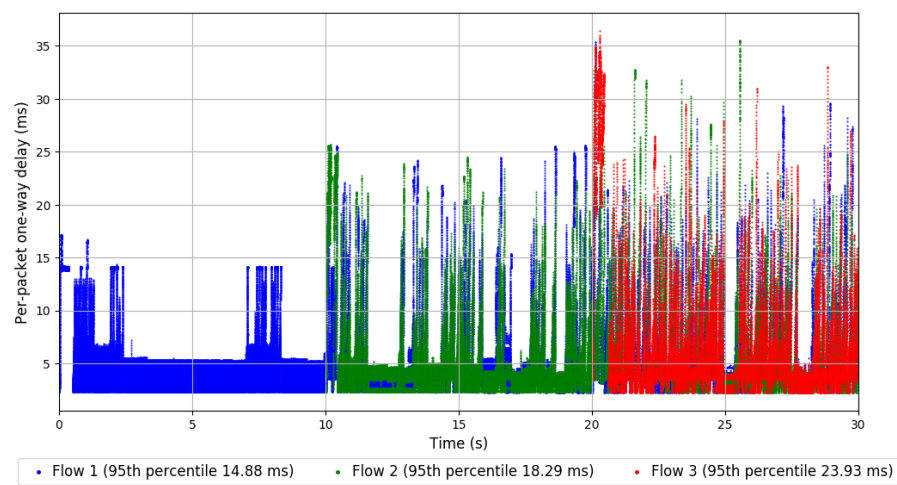
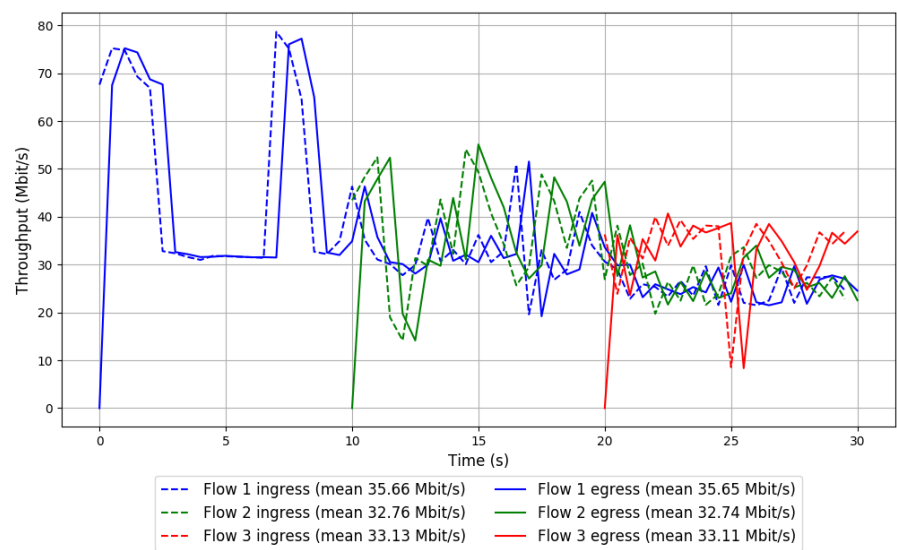


Run 5: Statistics of Verus

Start at: 2018-08-22 20:20:32
End at: 2018-08-22 20:21:02
Local clock offset: -3.926 ms
Remote clock offset: -14.012 ms

Below is generated by plot.py at 2018-08-22 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.45 Mbit/s
95th percentile per-packet one-way delay: 17.091 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 14.880 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 18.294 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 23.927 ms
Loss rate: 0.09%

Run 5: Report of Verus — Data Link

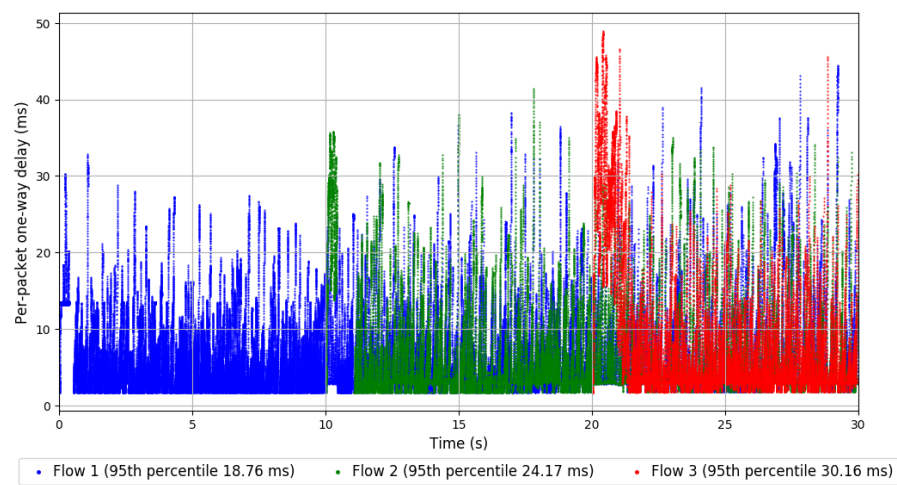
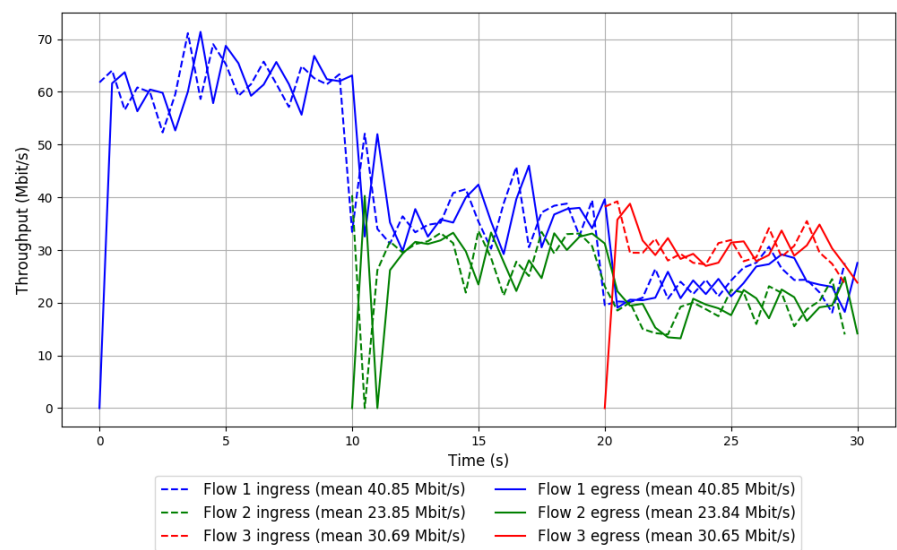


Run 6: Statistics of Verus

Start at: 2018-08-22 20:39:33
End at: 2018-08-22 20:40:03
Local clock offset: -6.053 ms
Remote clock offset: -16.182 ms

Below is generated by plot.py at 2018-08-22 22:32:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.89 Mbit/s
95th percentile per-packet one-way delay: 22.336 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 24.173 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 30.164 ms
Loss rate: 0.12%

Run 6: Report of Verus — Data Link

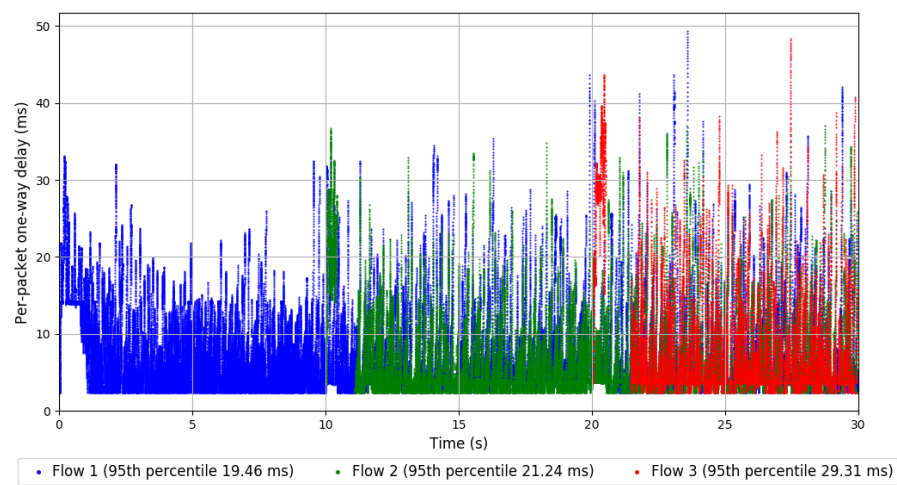
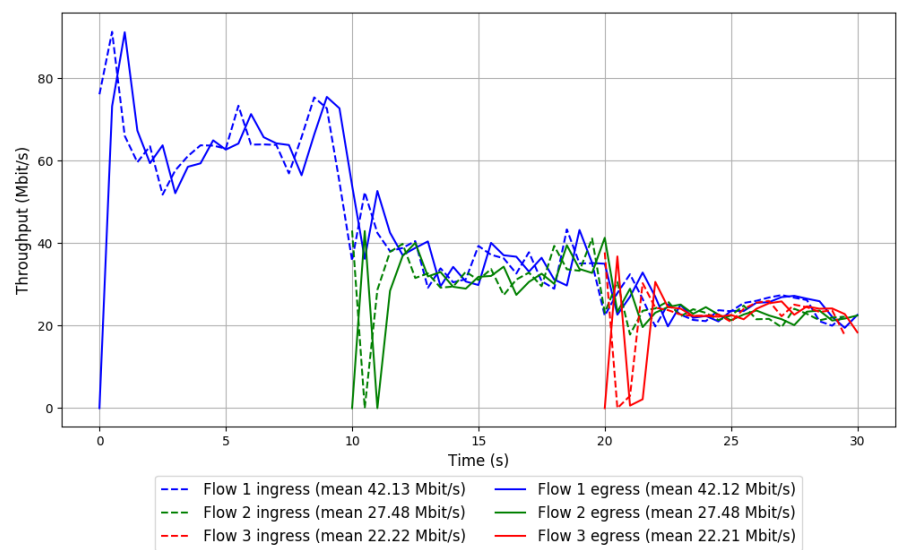


Run 7: Statistics of Verus

Start at: 2018-08-22 20:58:35
End at: 2018-08-22 20:59:05
Local clock offset: -8.331 ms
Remote clock offset: -17.941 ms

Below is generated by plot.py at 2018-08-22 22:32:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 21.150 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 19.462 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 29.307 ms
Loss rate: 0.13%

Run 7: Report of Verus — Data Link

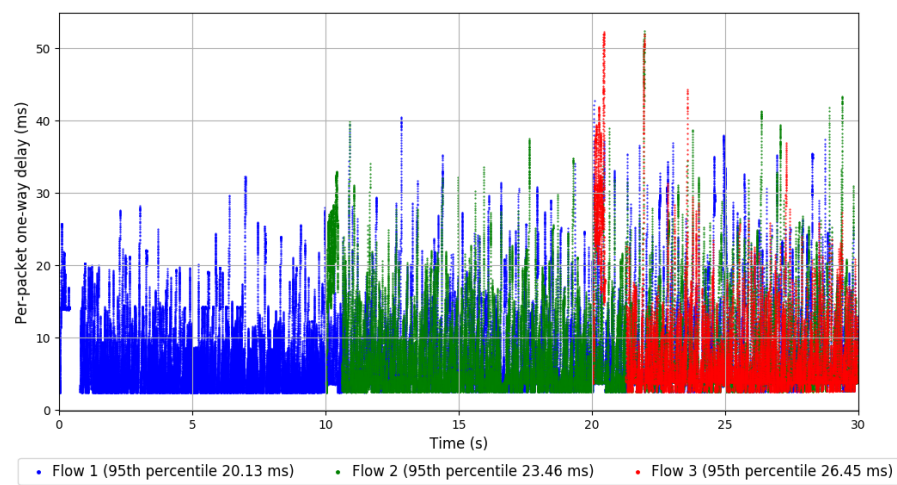
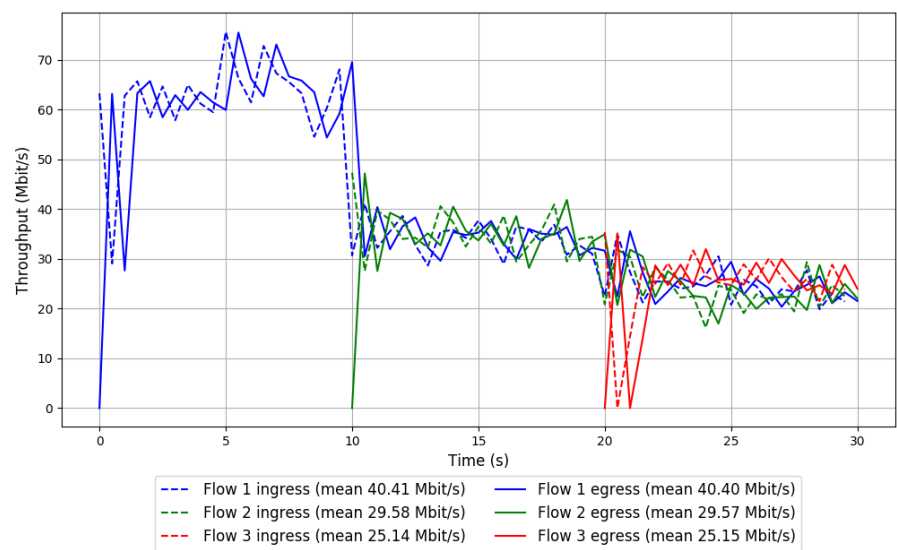


Run 8: Statistics of Verus

Start at: 2018-08-22 21:17:35
End at: 2018-08-22 21:18:05
Local clock offset: -8.248 ms
Remote clock offset: -1.548 ms

Below is generated by plot.py at 2018-08-22 22:32:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 21.773 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 20.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 23.457 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 26.447 ms
Loss rate: 0.06%

Run 8: Report of Verus — Data Link

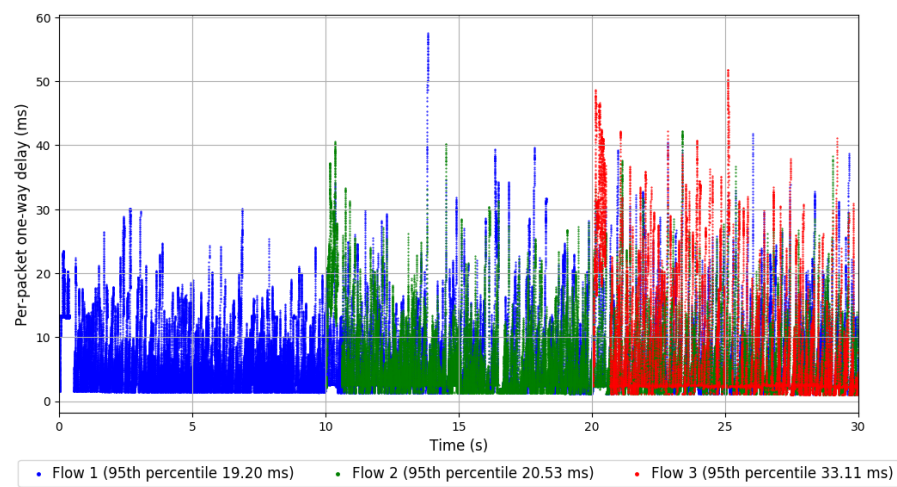
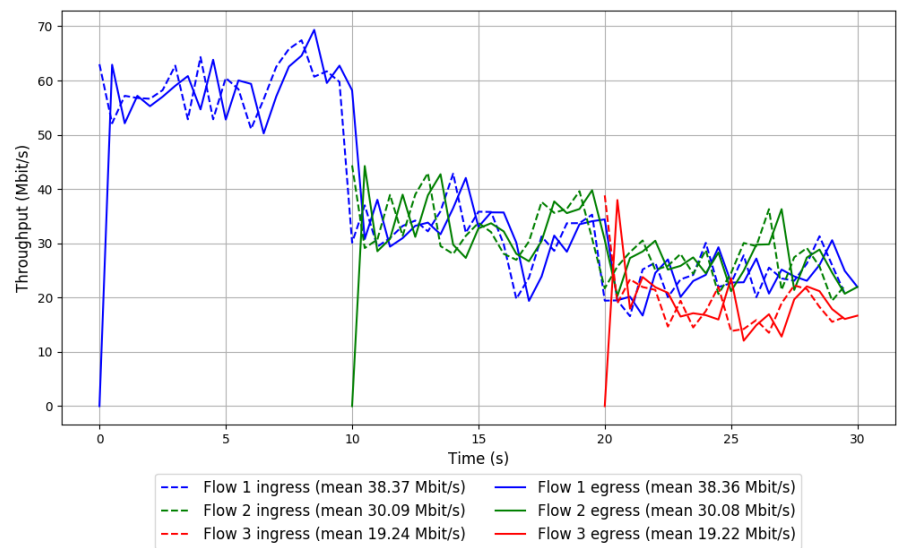


Run 9: Statistics of Verus

Start at: 2018-08-22 21:36:34
End at: 2018-08-22 21:37:04
Local clock offset: -9.277 ms
Remote clock offset: 1.913 ms

Below is generated by plot.py at 2018-08-22 22:33:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 22.090 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 20.526 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 33.107 ms
Loss rate: 0.10%

Run 9: Report of Verus — Data Link

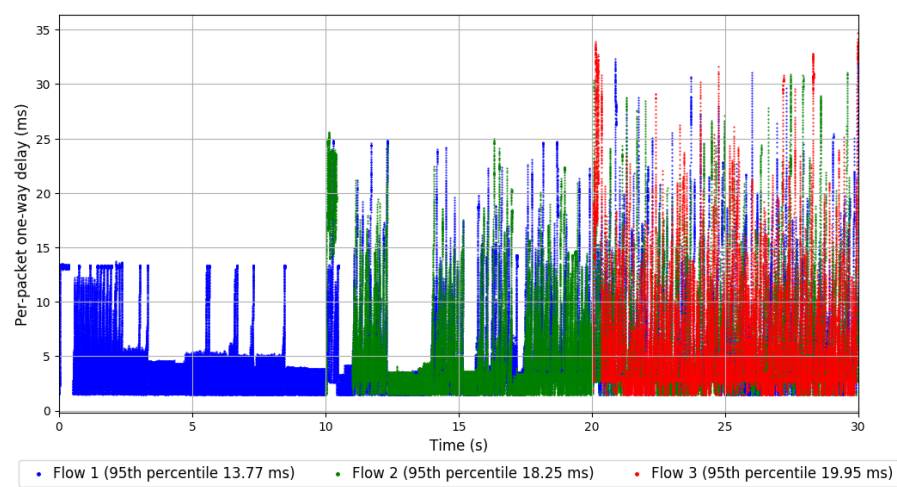
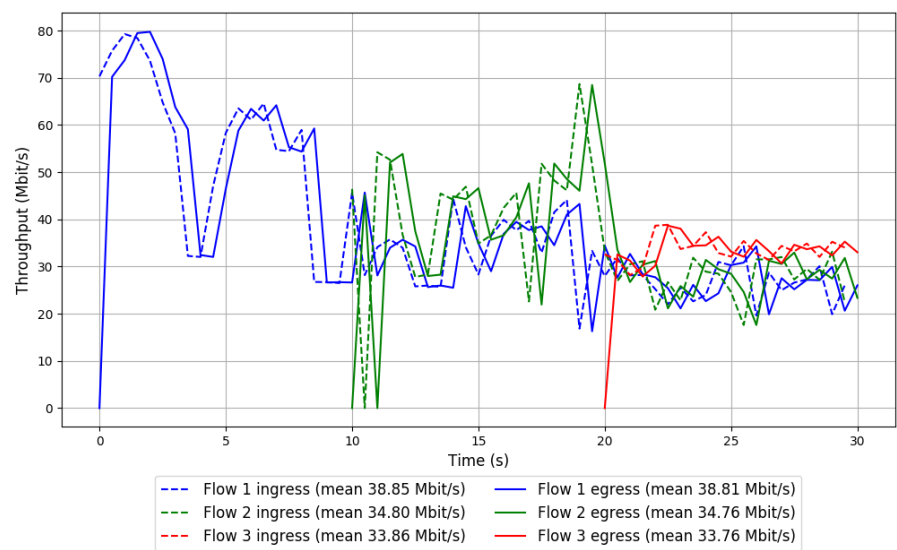


Run 10: Statistics of Verus

Start at: 2018-08-22 21:55:42
End at: 2018-08-22 21:56:12
Local clock offset: -5.091 ms
Remote clock offset: -1.003 ms

Below is generated by plot.py at 2018-08-22 22:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.17 Mbit/s
95th percentile per-packet one-way delay: 16.615 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 13.767 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 18.255 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 19.955 ms
Loss rate: 0.19%

Run 10: Report of Verus — Data Link

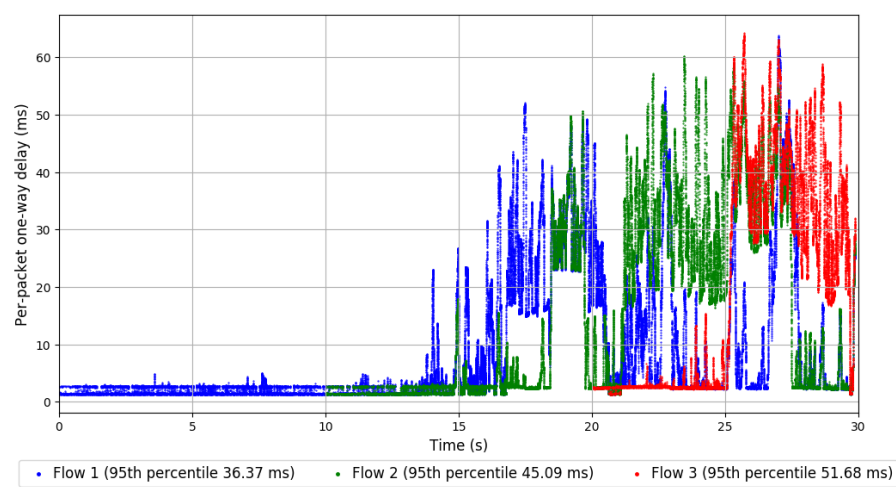
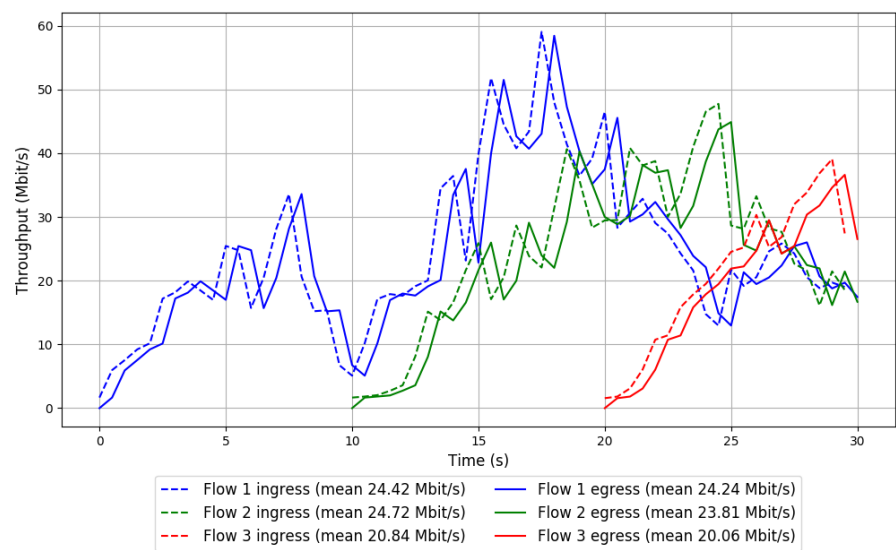


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 19:14:35
End at: 2018-08-22 19:15:05
Local clock offset: -3.841 ms
Remote clock offset: -8.359 ms

Below is generated by plot.py at 2018-08-22 22:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 43.988 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 36.372 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 45.086 ms
Loss rate: 3.71%
-- Flow 3:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 51.683 ms
Loss rate: 3.76%

Run 1: Report of PCC-Vivace — Data Link

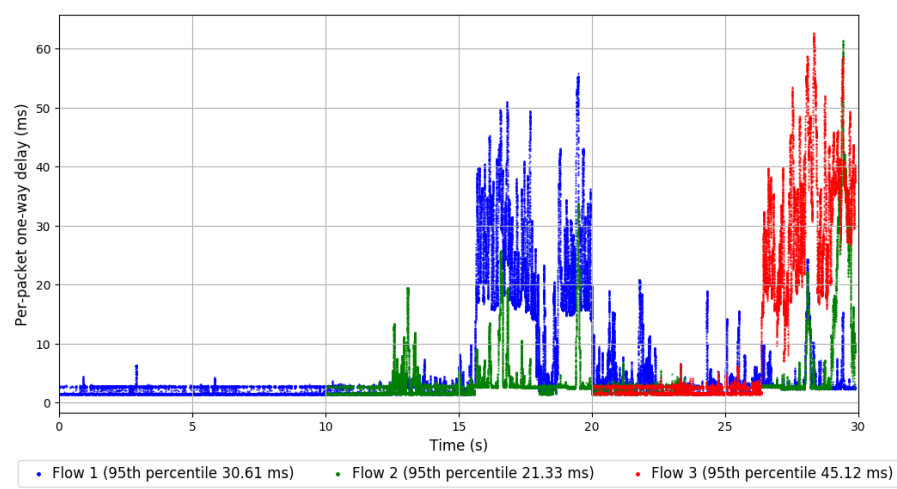
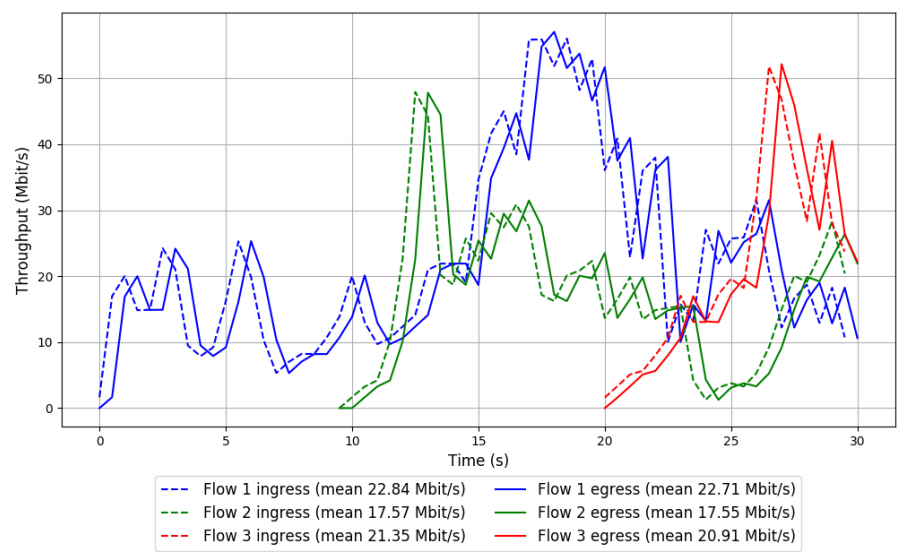


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 19:33:33
End at: 2018-08-22 19:34:03
Local clock offset: -4.105 ms
Remote clock offset: -1.688 ms

Below is generated by plot.py at 2018-08-22 22:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 35.105 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 45.123 ms
Loss rate: 2.19%

Run 2: Report of PCC-Vivace — Data Link

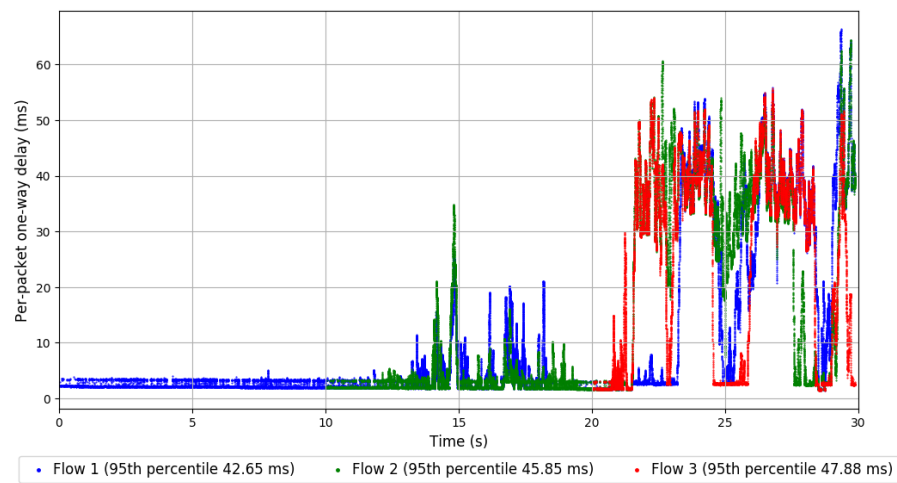
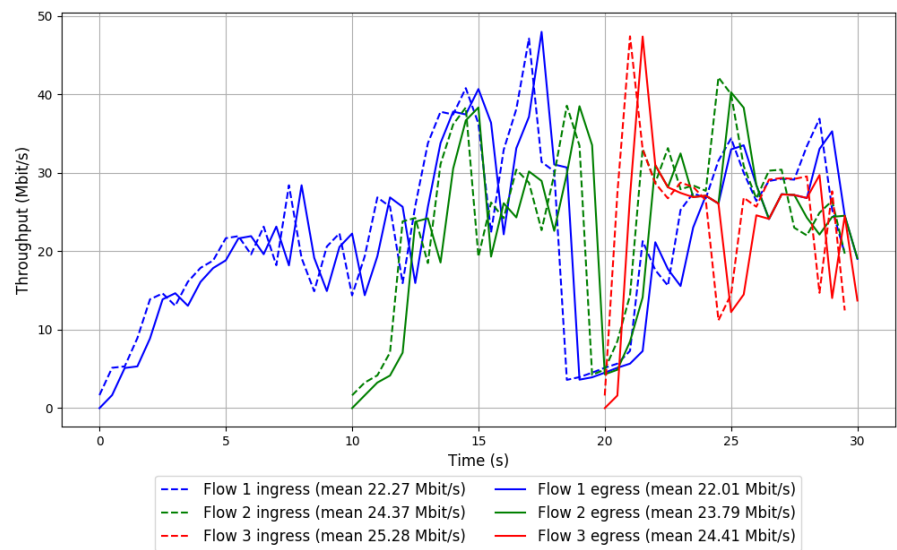


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 19:52:32
End at: 2018-08-22 19:53:02
Local clock offset: -2.933 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-22 22:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 45.338 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 42.645 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 45.853 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 47.880 ms
Loss rate: 3.45%

Run 3: Report of PCC-Vivace — Data Link

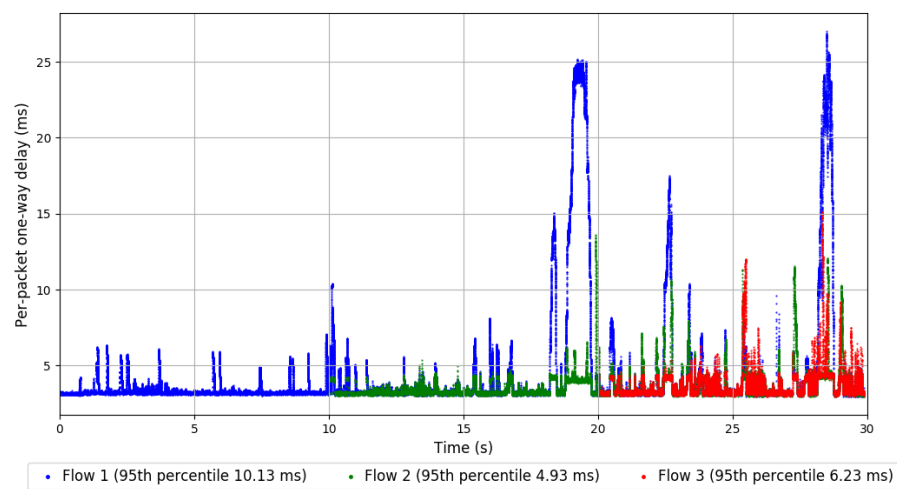
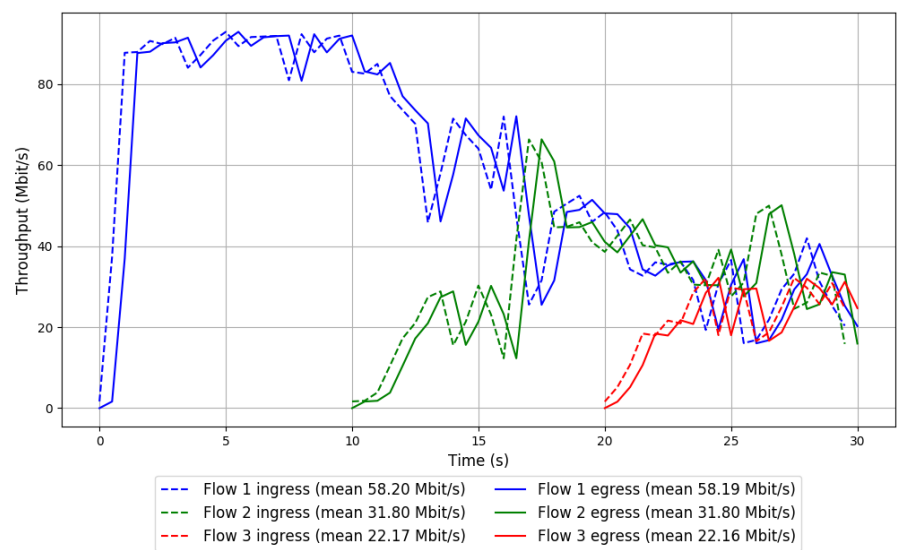


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 20:11:29
End at: 2018-08-22 20:11:59
Local clock offset: -2.603 ms
Remote clock offset: -12.473 ms

Below is generated by plot.py at 2018-08-22 22:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 7.025 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 10.129 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 4.931 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 6.228 ms
Loss rate: 0.05%

Run 4: Report of PCC-Vivace — Data Link

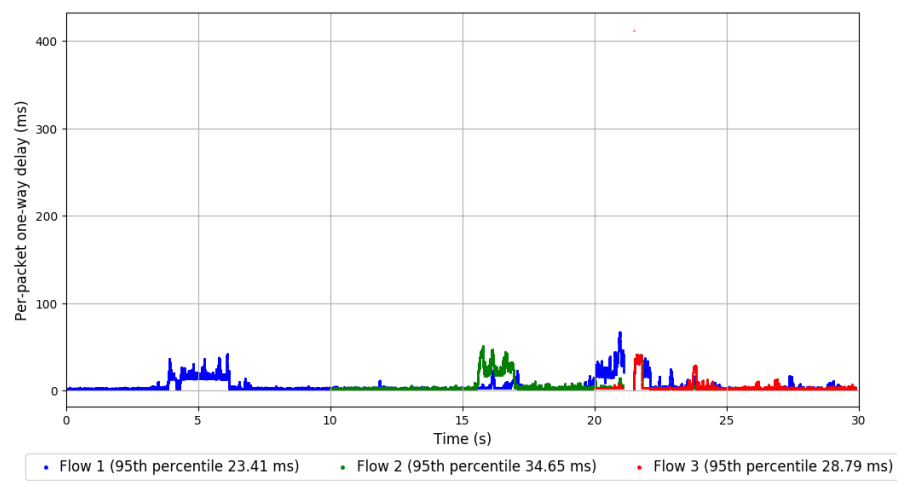
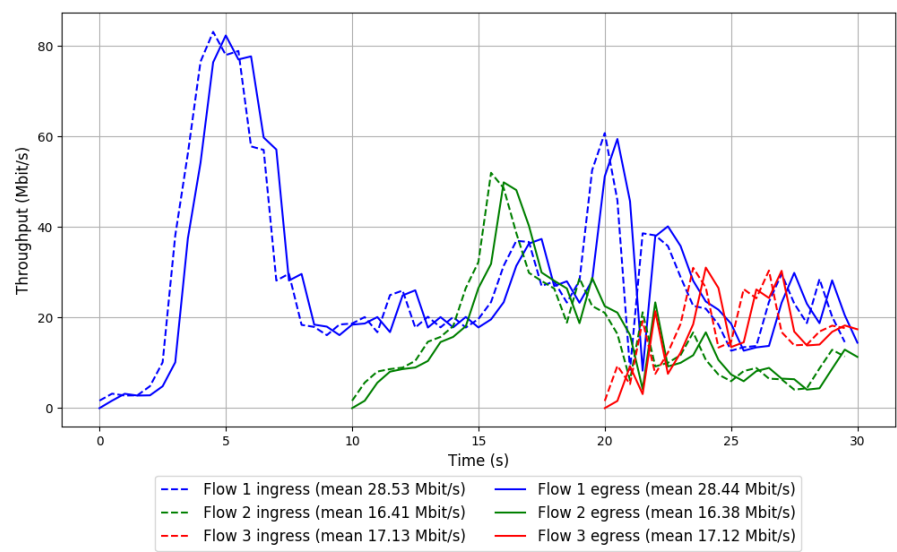


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 20:30:35
End at: 2018-08-22 20:31:05
Local clock offset: -4.189 ms
Remote clock offset: -15.274 ms

Below is generated by plot.py at 2018-08-22 22:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 27.980 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 23.406 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 34.645 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 28.790 ms
Loss rate: 0.14%

Run 5: Report of PCC-Vivace — Data Link

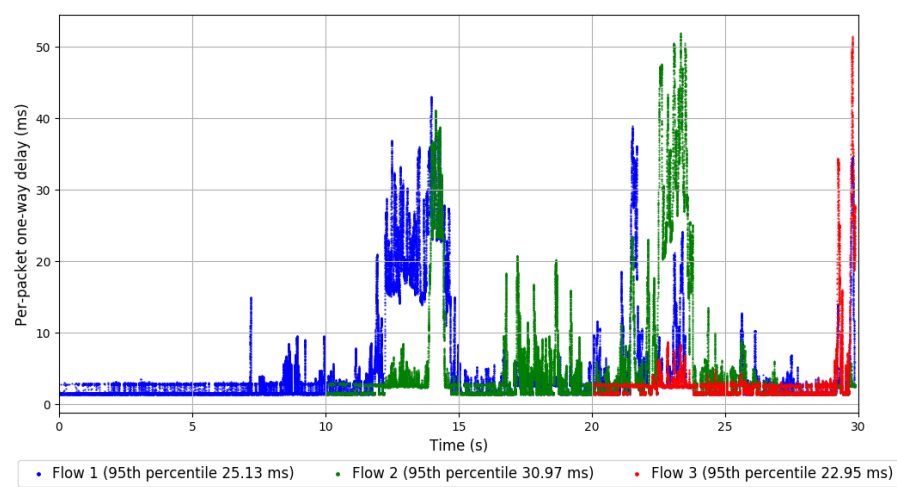
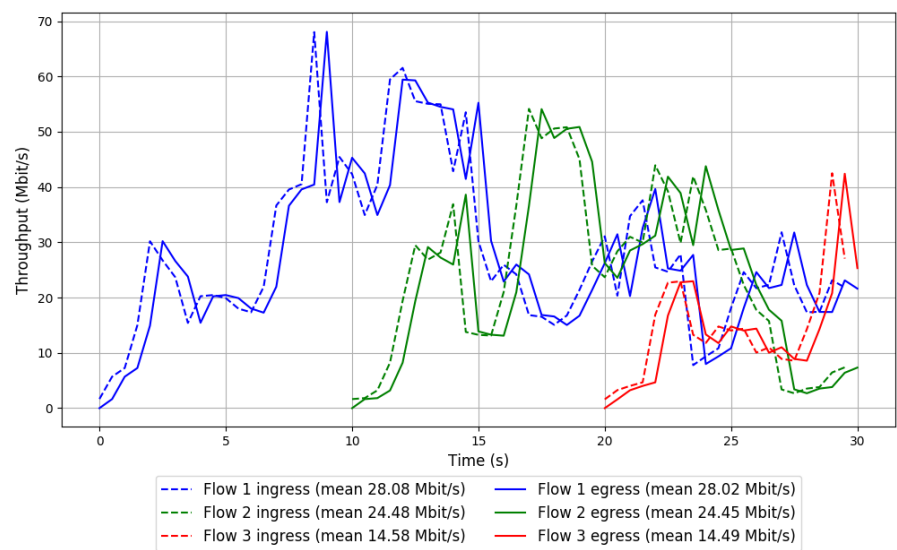


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 20:49:36
End at: 2018-08-22 20:50:06
Local clock offset: -8.214 ms
Remote clock offset: -17.087 ms

Below is generated by plot.py at 2018-08-22 22:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 26.684 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 25.133 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 30.971 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 22.951 ms
Loss rate: 0.65%

Run 6: Report of PCC-Vivace — Data Link

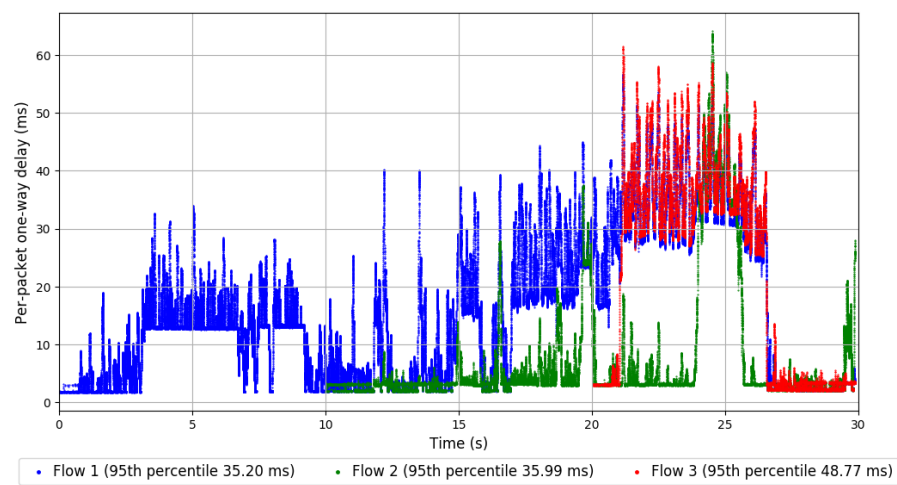
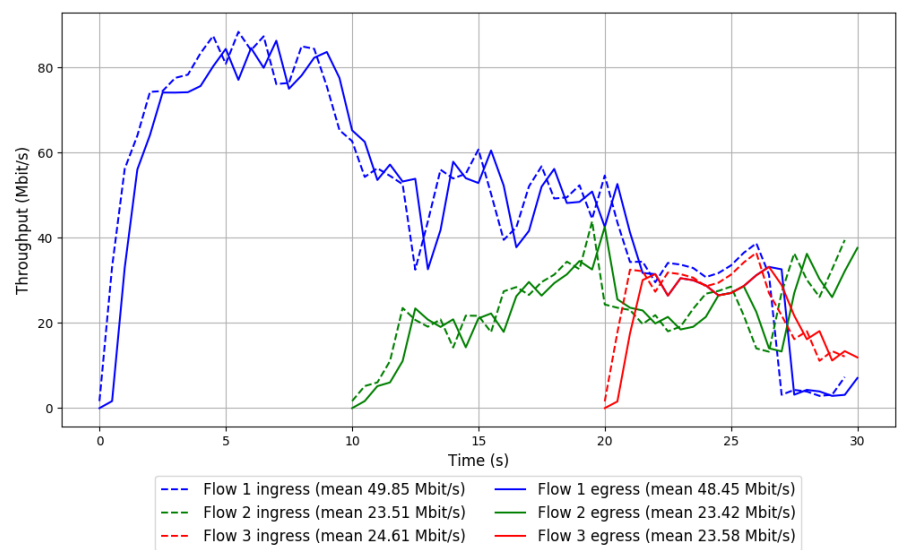


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 21:08:38
End at: 2018-08-22 21:09:08
Local clock offset: -9.472 ms
Remote clock offset: -6.968 ms

Below is generated by plot.py at 2018-08-22 22:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 38.644 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 35.201 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 35.991 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 48.773 ms
Loss rate: 4.25%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

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

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

Local clock offset: -8.351 ms

Remote clock offset: 1.691 ms

Below is generated by plot.py at 2018-08-22 22:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.71 Mbit/s

95th percentile per-packet one-way delay: 39.693 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 14.460 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 23.15 Mbit/s

95th percentile per-packet one-way delay: 44.800 ms

Loss rate: 1.73%

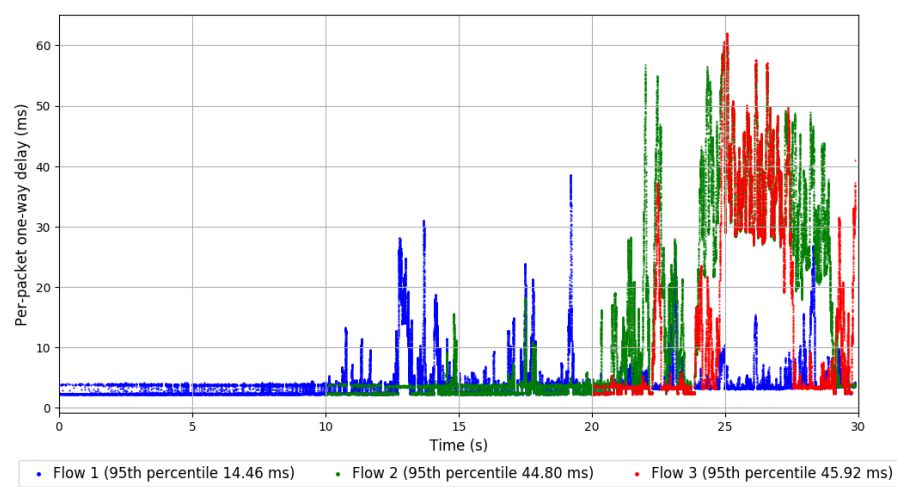
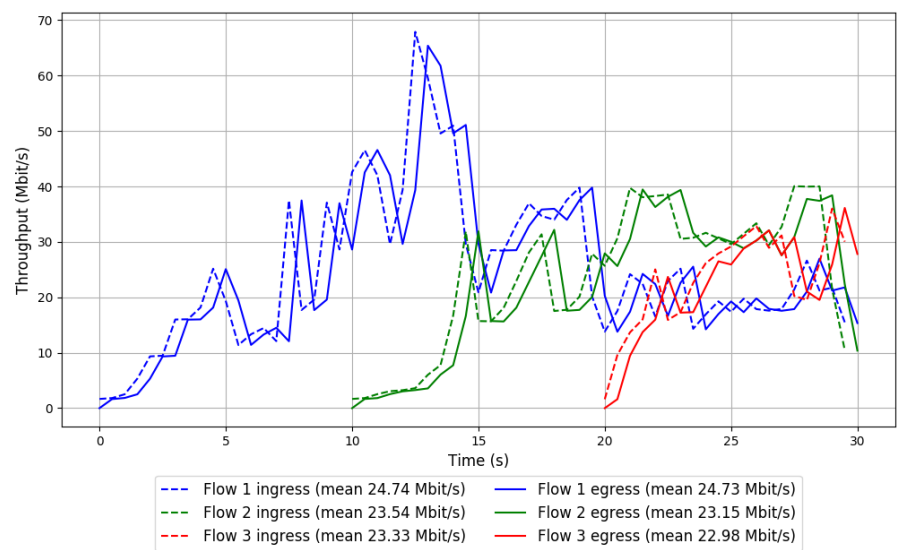
-- Flow 3:

Average throughput: 22.98 Mbit/s

95th percentile per-packet one-way delay: 45.917 ms

Loss rate: 1.65%

Run 8: Report of PCC-Vivace — Data Link

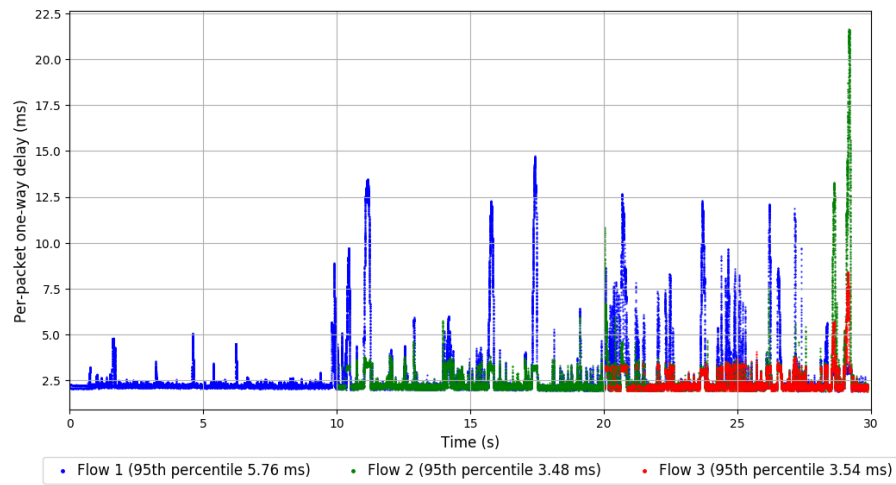
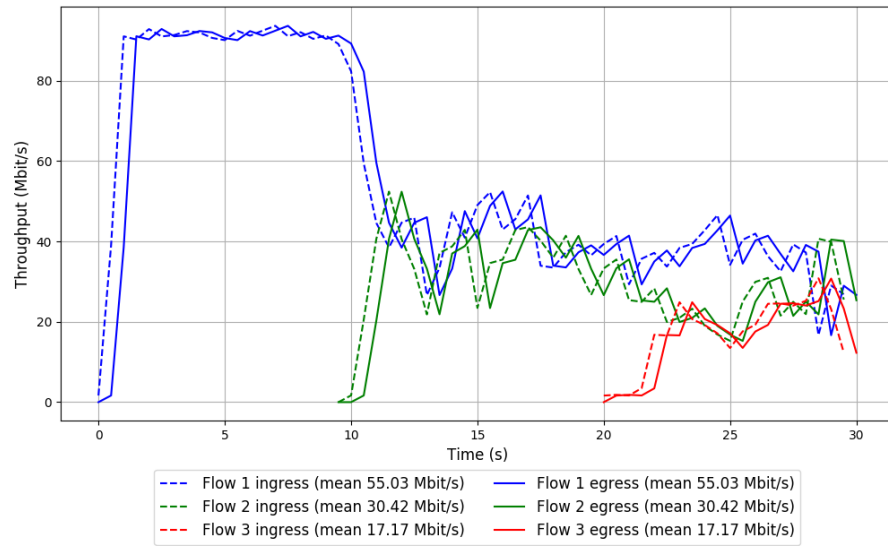


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 21:46:39
End at: 2018-08-22 21:47:09
Local clock offset: -5.406 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-22 22:33:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 5.010 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 5.761 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 3.482 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 3.537 ms
Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link

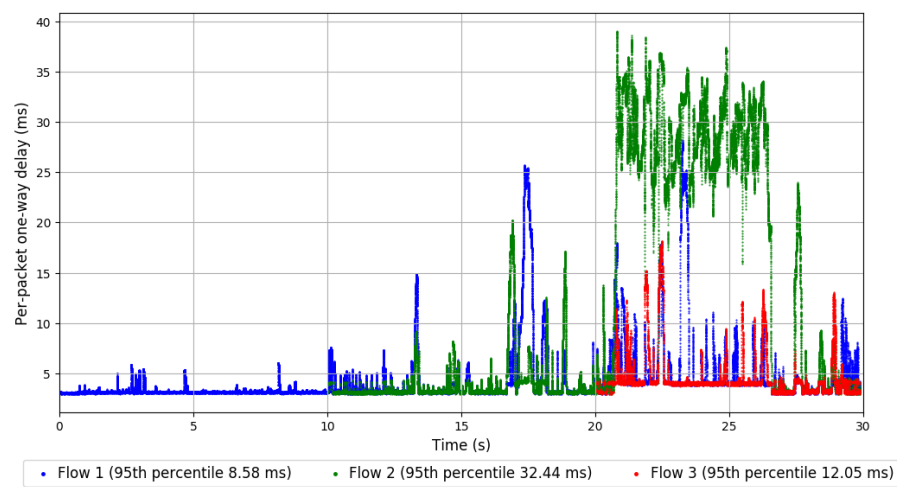
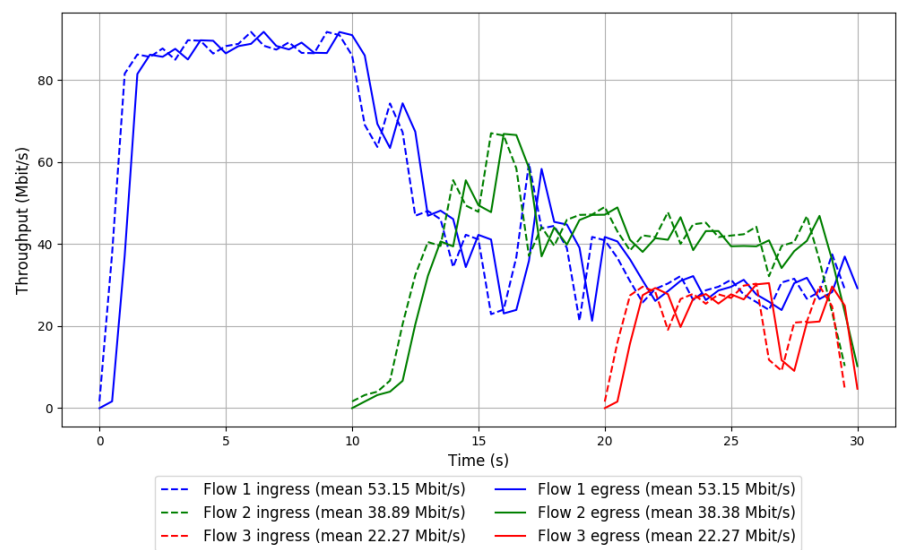


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 22:05:49
End at: 2018-08-22 22:06:19
Local clock offset: -2.872 ms
Remote clock offset: -0.757 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 27.655 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 8.578 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 12.049 ms
Loss rate: 0.05%

Run 10: Report of PCC-Vivace — Data Link

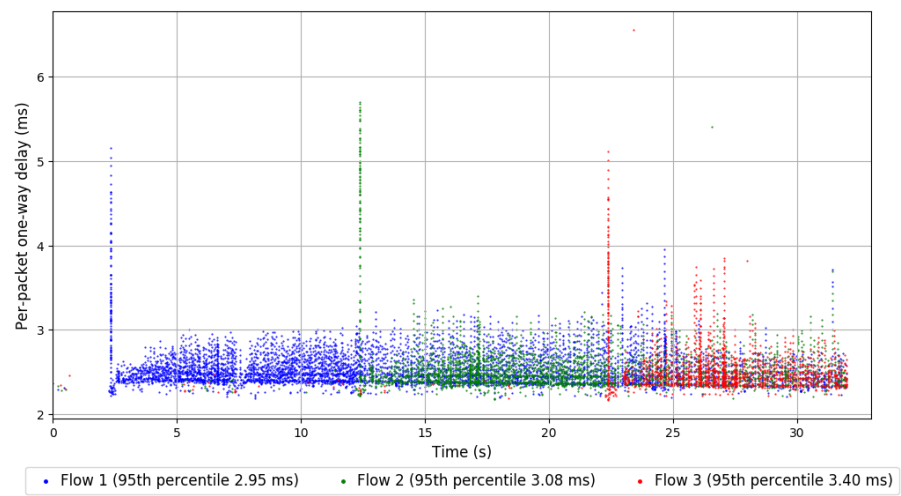
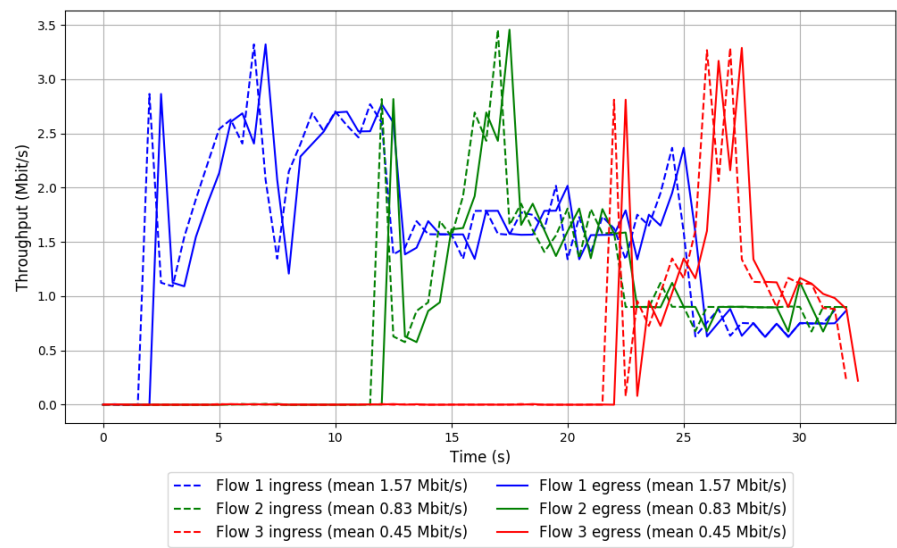


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 19:01:13
End at: 2018-08-22 19:01:43
Local clock offset: -2.52 ms
Remote clock offset: -7.258 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 3.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.399 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

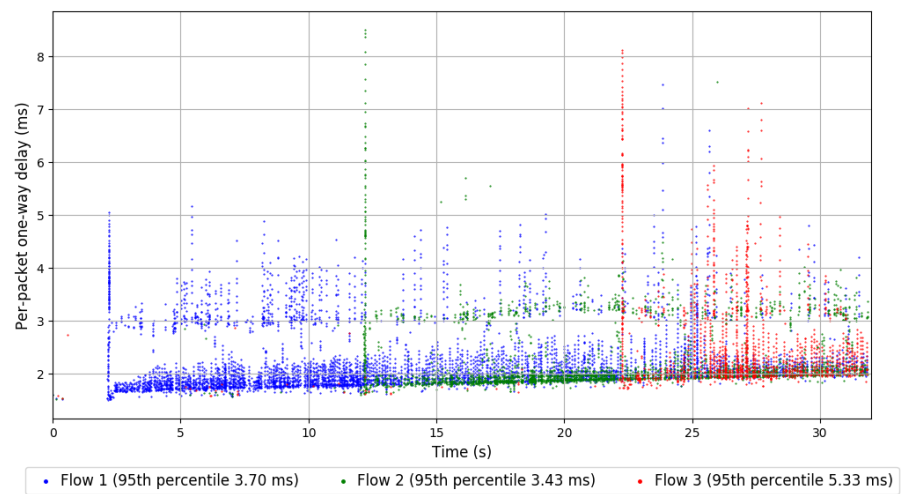
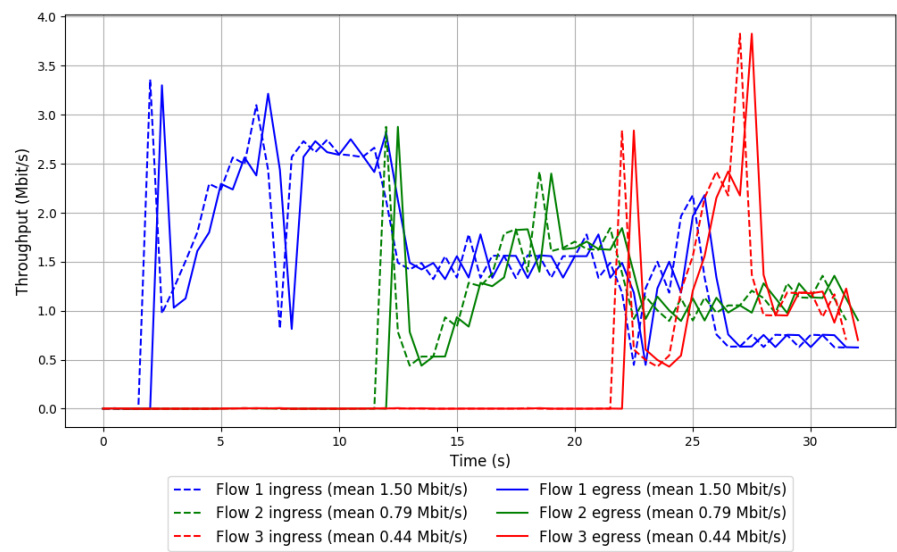


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 19:20:14
End at: 2018-08-22 19:20:44
Local clock offset: -3.962 ms
Remote clock offset: -6.743 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 3.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.698 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 5.329 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link

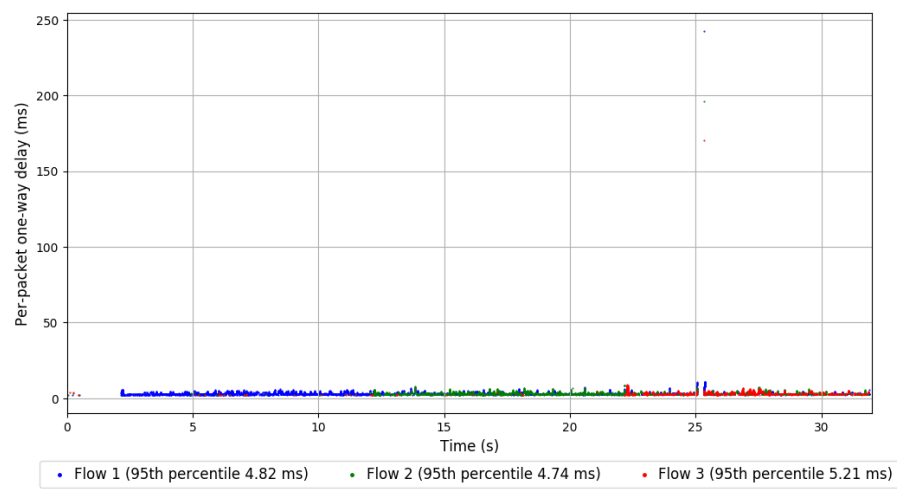
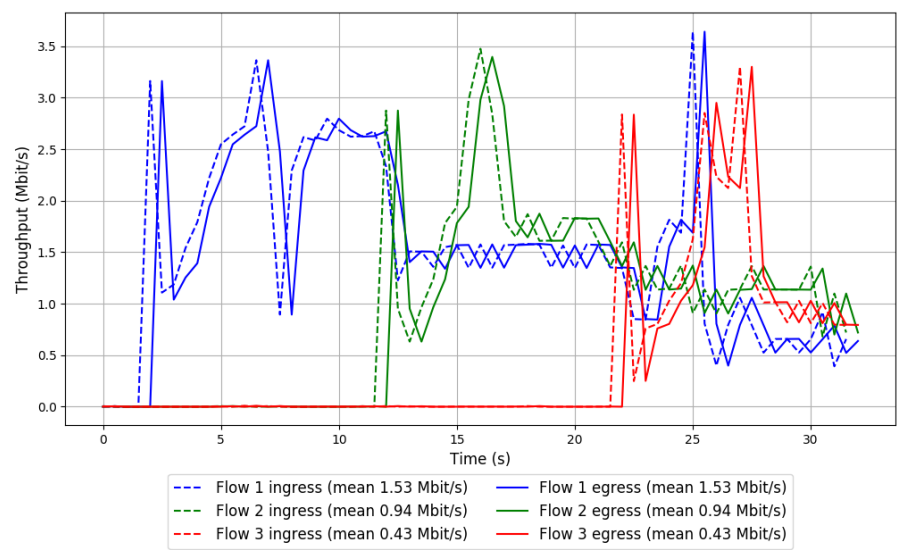


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 19:39:11
End at: 2018-08-22 19:39:41
Local clock offset: -3.196 ms
Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 4.838 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 4.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 5.214 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

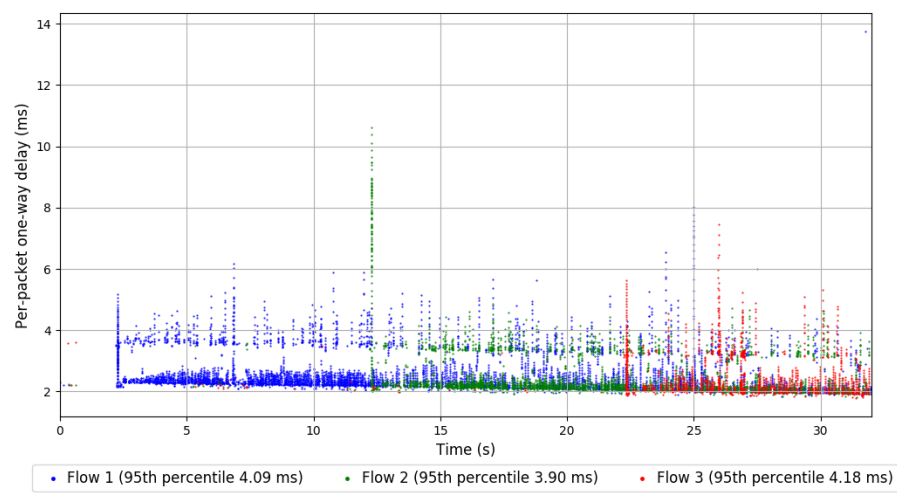
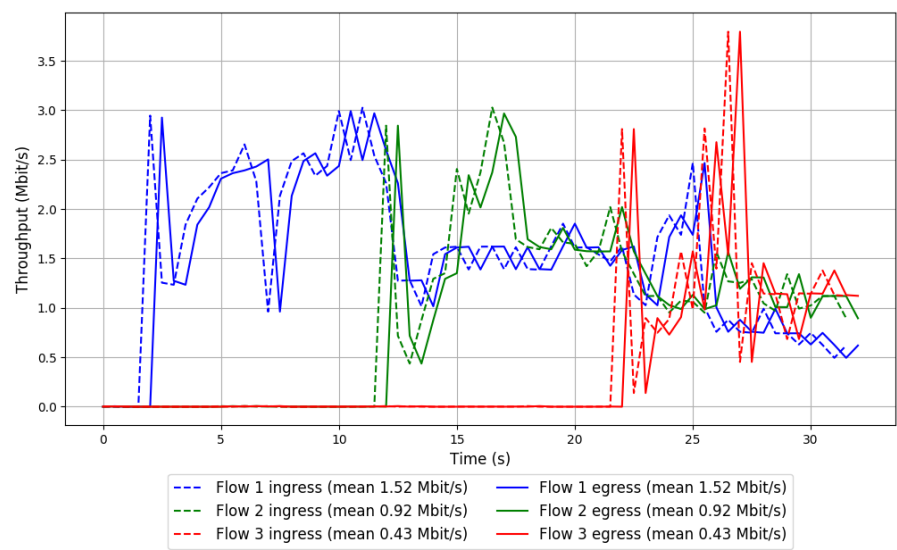


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 19:58:11
End at: 2018-08-22 19:58:41
Local clock offset: -2.881 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 4.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 3.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 4.176 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

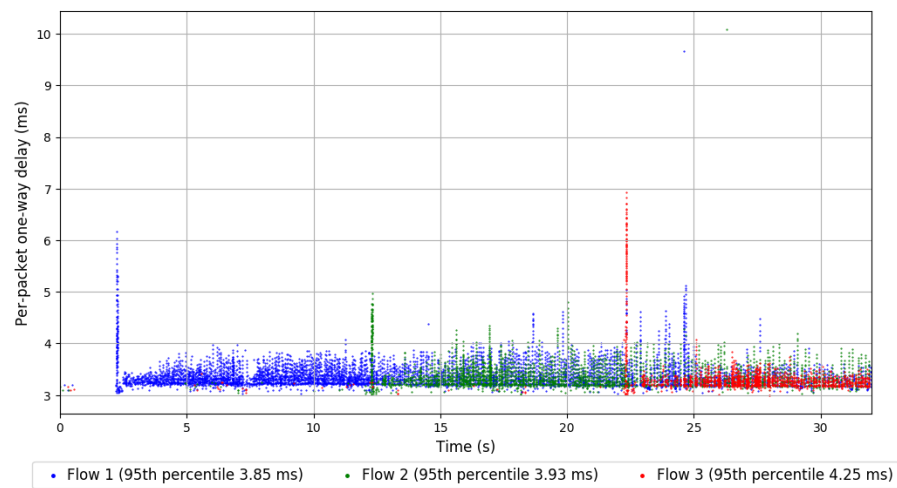
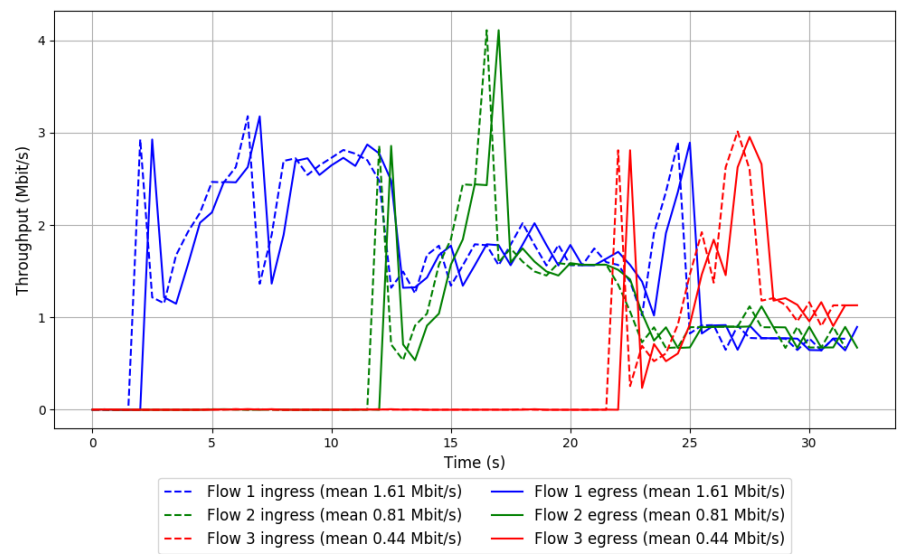


Run 5: Statistics of WebRTC media

Start at: 2018-08-22 20:17:15
End at: 2018-08-22 20:17:45
Local clock offset: -2.999 ms
Remote clock offset: -13.626 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 3.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 3.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 3.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.255 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

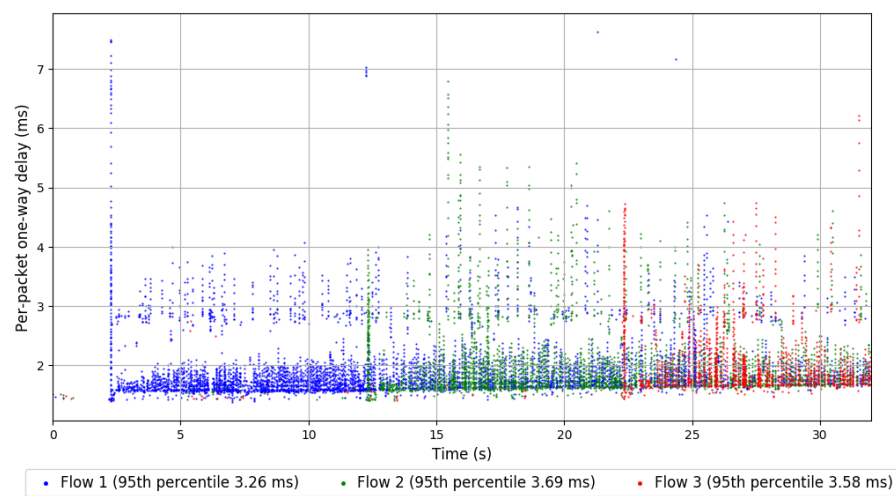
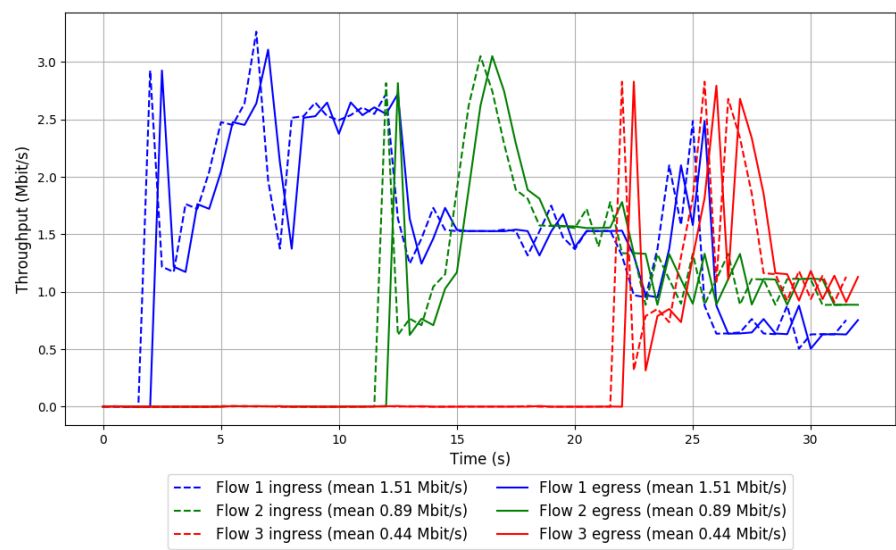


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 20:36:15
End at: 2018-08-22 20:36:45
Local clock offset: -5.044 ms
Remote clock offset: -15.862 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.259 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 3.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.577 ms
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

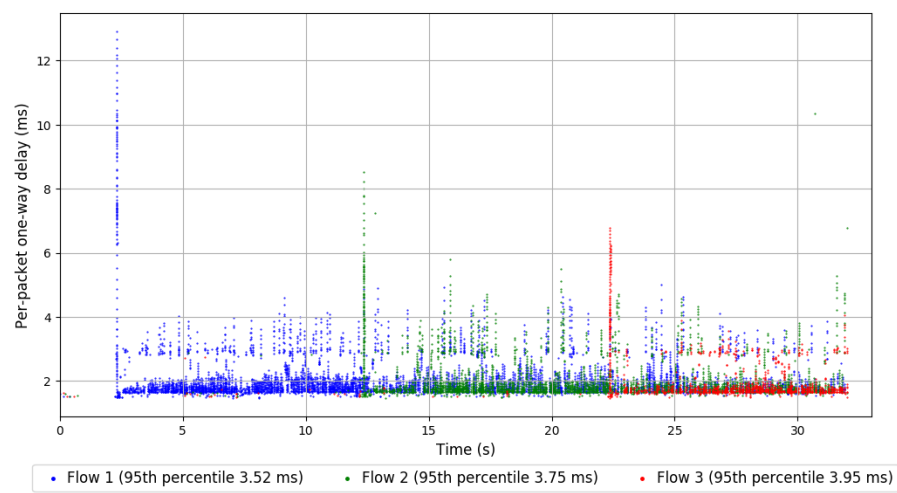
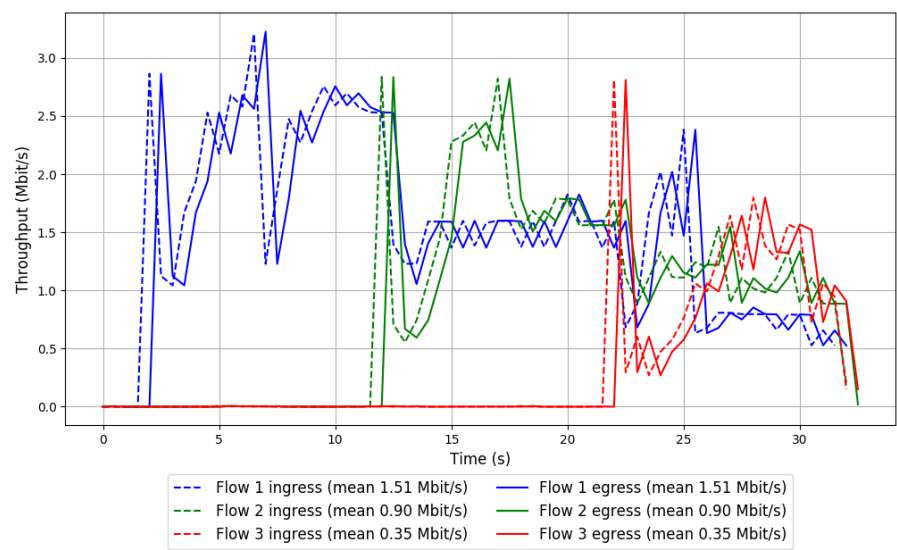


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 20:55:16
End at: 2018-08-22 20:55:46
Local clock offset: -8.818 ms
Remote clock offset: -17.682 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 3.631 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 3.753 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 3.953 ms
Loss rate: 0.25%

Run 7: Report of WebRTC media — Data Link

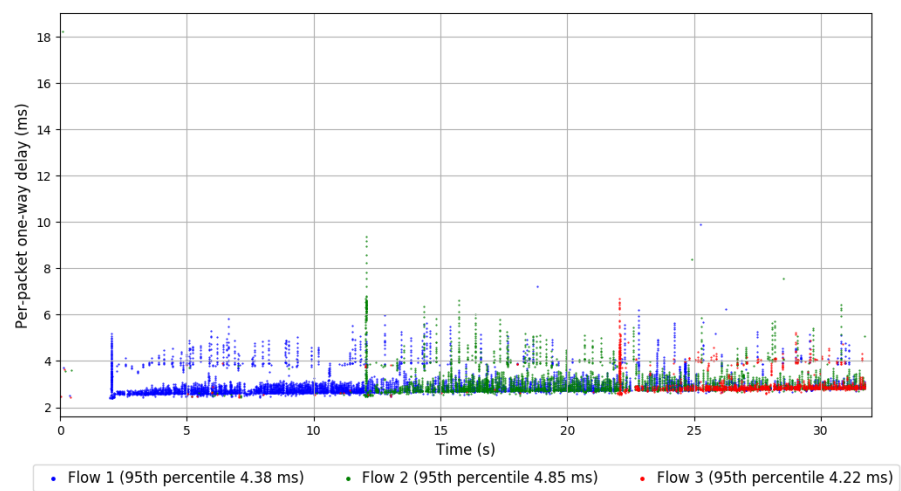
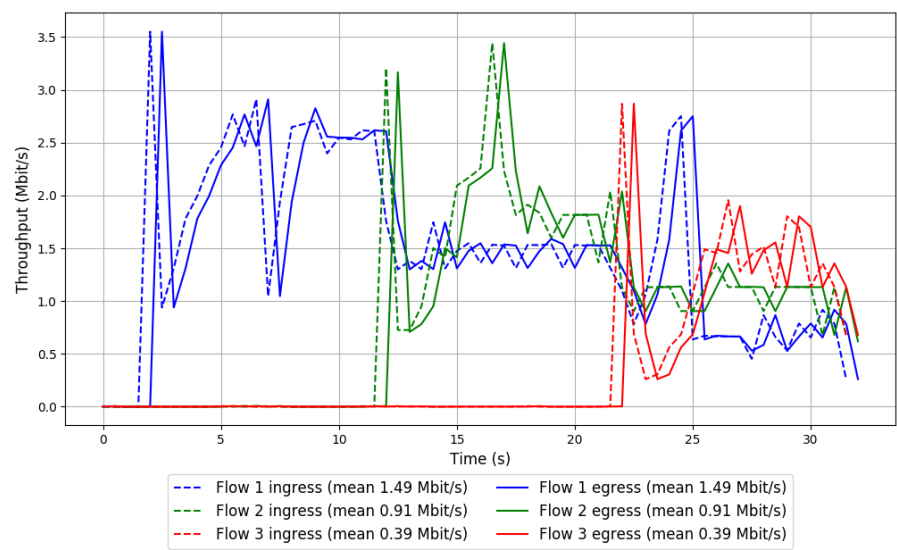


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 21:14:18
End at: 2018-08-22 21:14:48
Local clock offset: -8.33 ms
Remote clock offset: -3.221 ms

```
# Below is generated by plot.py at 2018-08-22 22:33:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 4.495 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 4.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 4.849 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 4.219 ms
Loss rate: 0.00%
```


Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-22 21:33:17

End at: 2018-08-22 21:33:47

Local clock offset: -7.635 ms

Remote clock offset: 3.015 ms

Below is generated by plot.py at 2018-08-22 22:33:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 5.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 5.050 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 5.038 ms

Loss rate: 0.00%

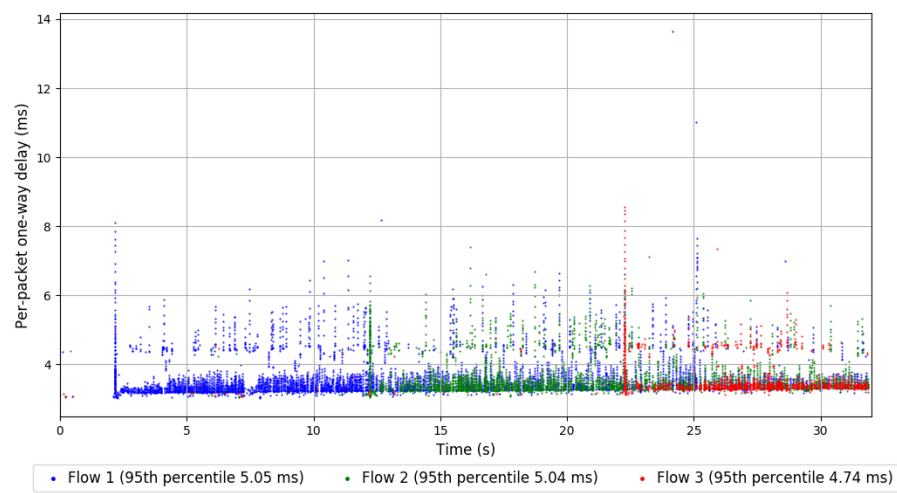
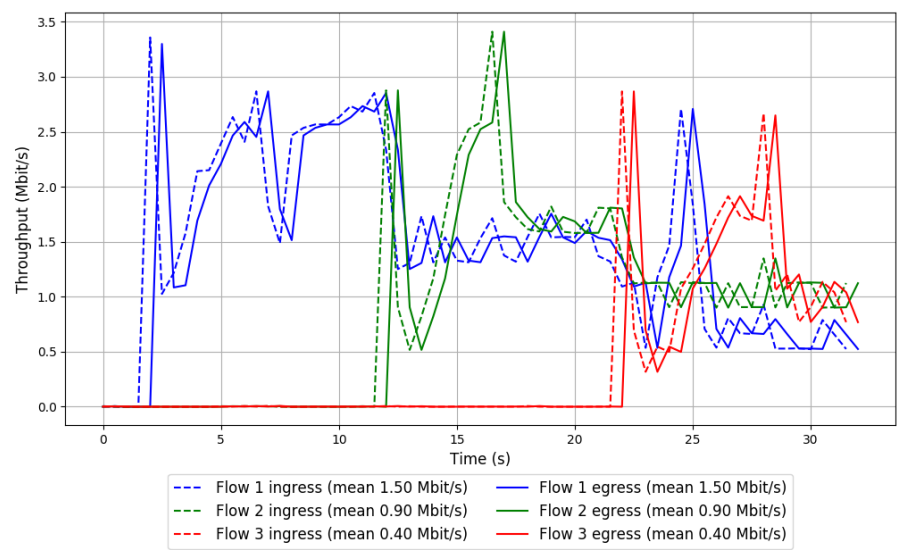
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 4.739 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 21:52:25
End at: 2018-08-22 21:52:55
Local clock offset: -4.558 ms
Remote clock offset: -0.926 ms

Below is generated by plot.py at 2018-08-22 22:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 3.115 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 2.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.144 ms
Loss rate: 0.59%

Run 10: Report of WebRTC media — Data Link

