

Pantheon Report

Generated at 2018-08-22 23:17:22 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

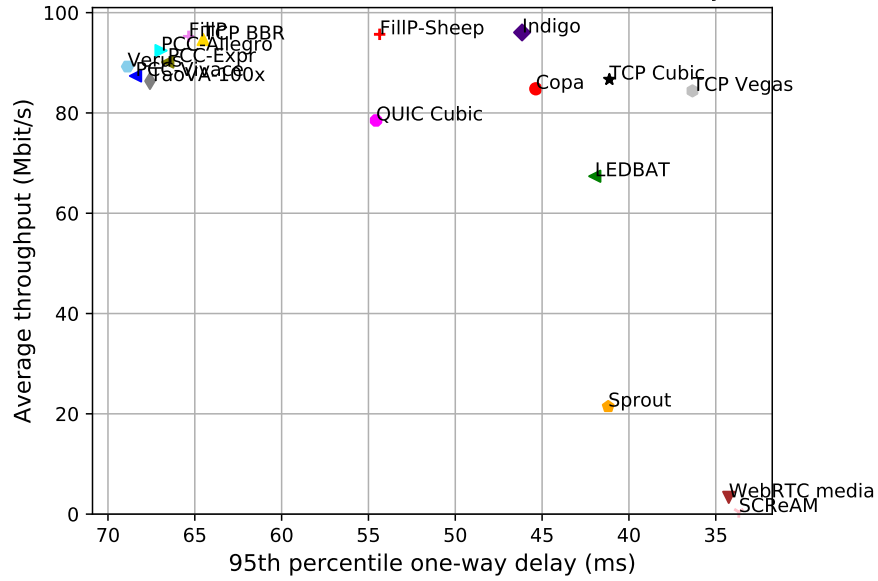
System info:

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

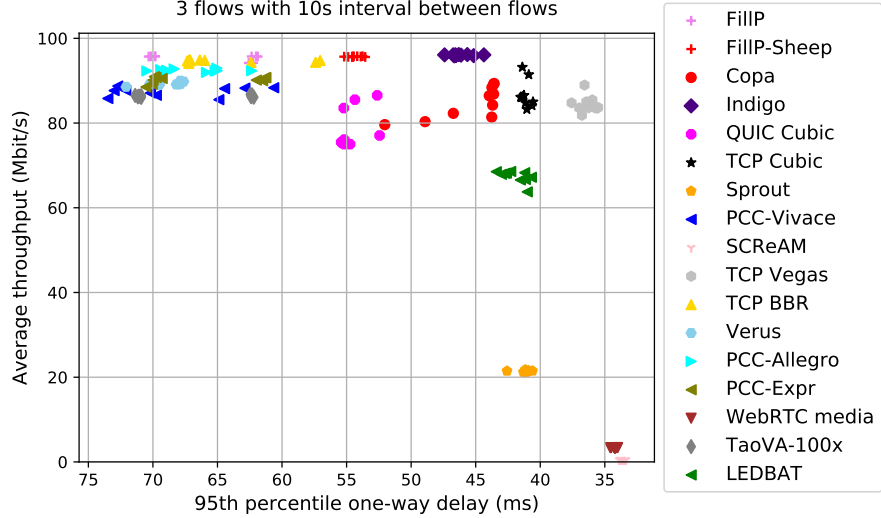
Git summary:

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

test from Mexico to AWS California 2, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico to AWS California 2, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.14	38.73	29.39	61.27	69.84	70.76	1.93	3.02	2.92
Copa	10	53.84	33.08	27.04	44.46	46.96	46.31	0.17	0.31	0.72
TCP Cubic	10	51.73	37.09	31.00	40.76	41.35	41.48	0.16	0.28	0.72
FillP	10	59.18	39.20	30.36	61.33	64.04	65.05	1.62	3.61	4.32
FillP-Sheep	10	58.15	41.41	30.30	54.17	54.46	60.24	0.75	0.72	0.95
Indigo	10	60.57	38.97	29.29	44.93	47.79	48.42	0.21	0.38	0.75
LEDBAT	10	40.00	30.09	22.28	41.88	42.58	41.07	0.15	0.35	0.97
PCC-Allegro	10	57.30	36.76	32.56	62.74	66.98	62.50	5.75	3.54	1.57
PCC-Expr	10	53.02	39.72	32.62	64.46	61.53	62.19	0.68	1.04	1.46
QUIC Cubic	10	46.41	33.92	29.02	44.94	55.63	67.00	0.21	0.40	1.03
SCReAM	10	0.21	0.21	0.22	33.66	33.65	33.68	0.26	0.38	0.71
Sprout	10	10.91	10.75	10.37	40.88	41.38	41.79	0.24	0.27	0.78
TaoVA-100x	10	49.69	39.44	31.42	63.98	64.15	64.40	0.67	1.31	3.01
TCP Vegas	10	52.84	33.78	27.44	37.50	35.87	36.15	0.16	0.31	0.74
Verus	10	53.54	38.09	31.38	65.82	70.81	68.99	0.31	0.51	1.46
PCC-Vivace	10	55.51	34.92	26.34	62.78	65.66	67.35	1.50	1.61	1.69
WebRTC media	10	1.82	1.07	0.46	34.18	34.24	34.49	0.12	0.27	0.69

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 19:21:46

End at: 2018-08-22 19:22:16

Local clock offset: -0.059 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2018-08-22 22:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 57.047 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 56.760 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 36.51 Mbit/s

95th percentile per-packet one-way delay: 77.806 ms

Loss rate: 3.15%

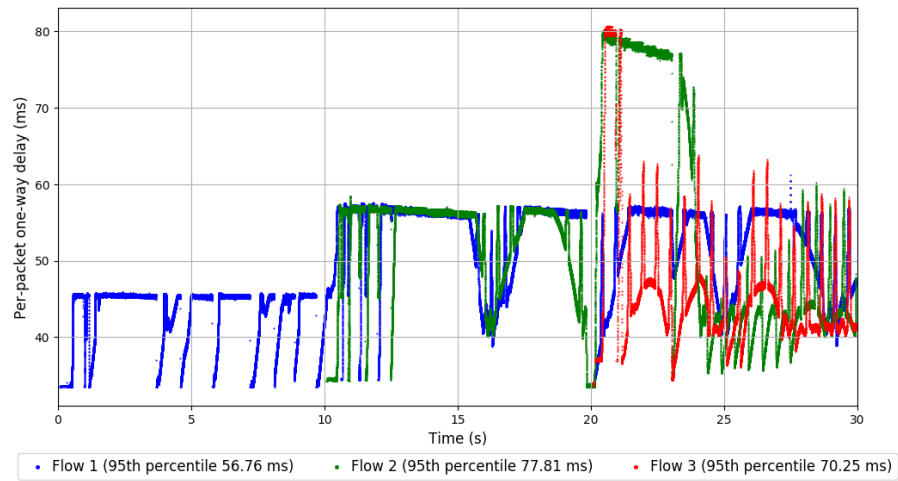
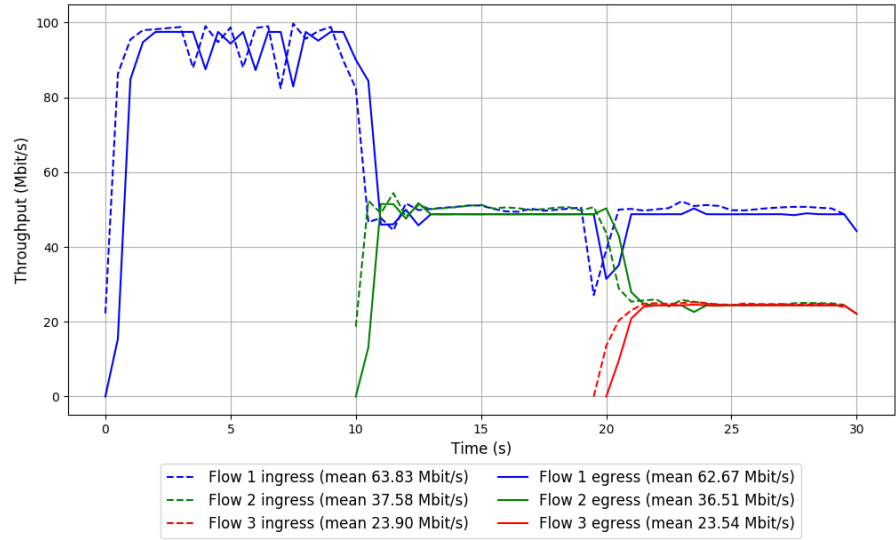
-- Flow 3:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 70.253 ms

Loss rate: 2.16%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-22 19:44:51

End at: 2018-08-22 19:45:21

Local clock offset: 0.21 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2018-08-22 22:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 67.131 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 62.086 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 66.384 ms

Loss rate: 3.45%

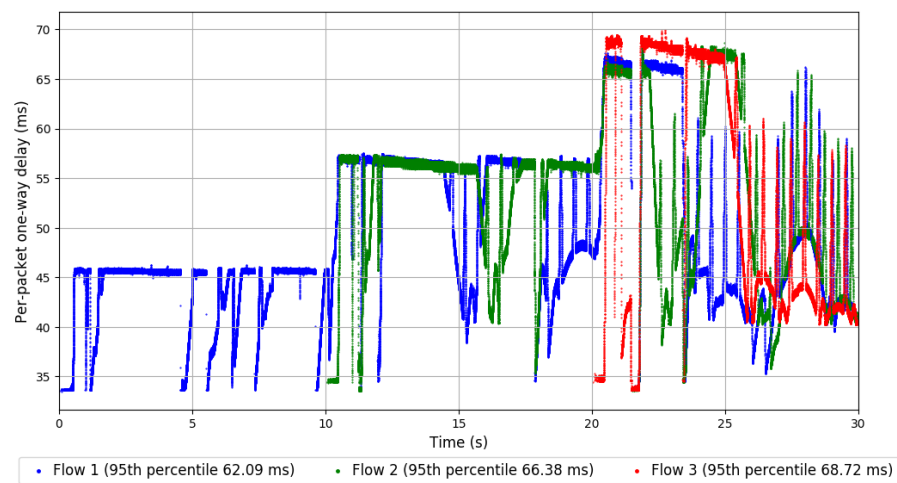
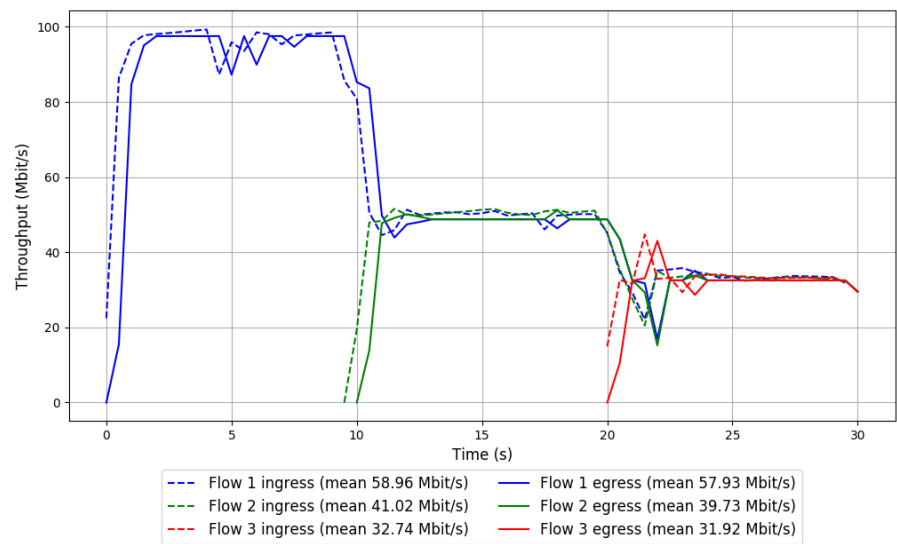
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 68.725 ms

Loss rate: 3.14%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-22 20:07:48

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

Local clock offset: 0.514 ms

Remote clock offset: 0.377 ms

Below is generated by plot.py at 2018-08-22 22:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 67.119 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 58.598 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 67.154 ms

Loss rate: 3.24%

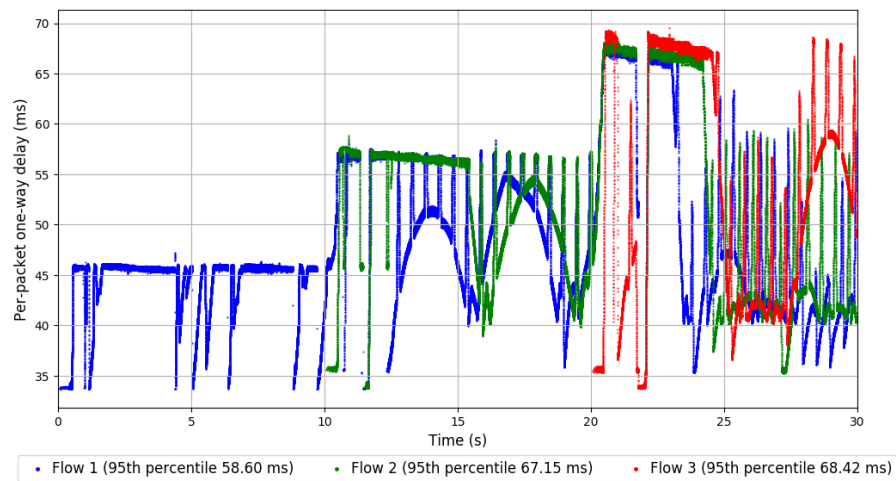
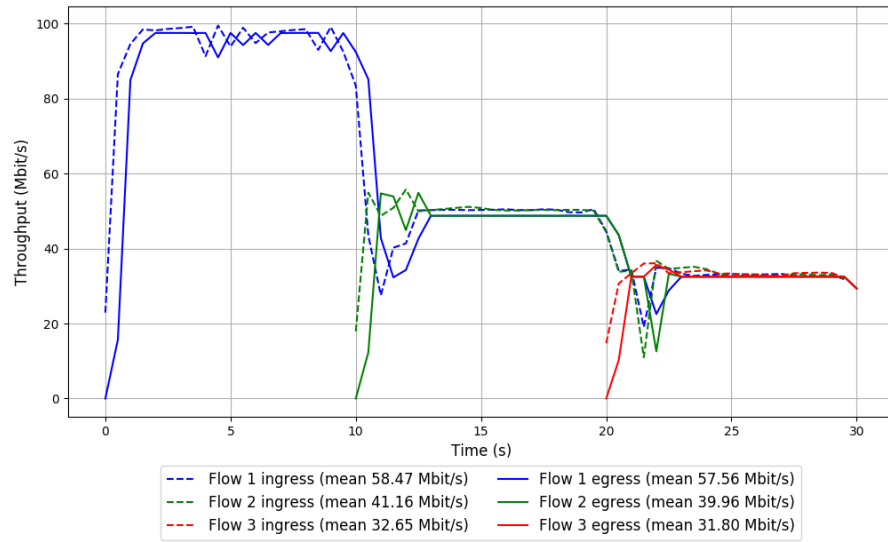
-- Flow 3:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 68.421 ms

Loss rate: 3.26%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-22 20:30:49

End at: 2018-08-22 20:31:19

Local clock offset: 0.416 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-08-22 22:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 67.332 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 66.474 ms

Loss rate: 1.97%

-- Flow 2:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 67.195 ms

Loss rate: 2.69%

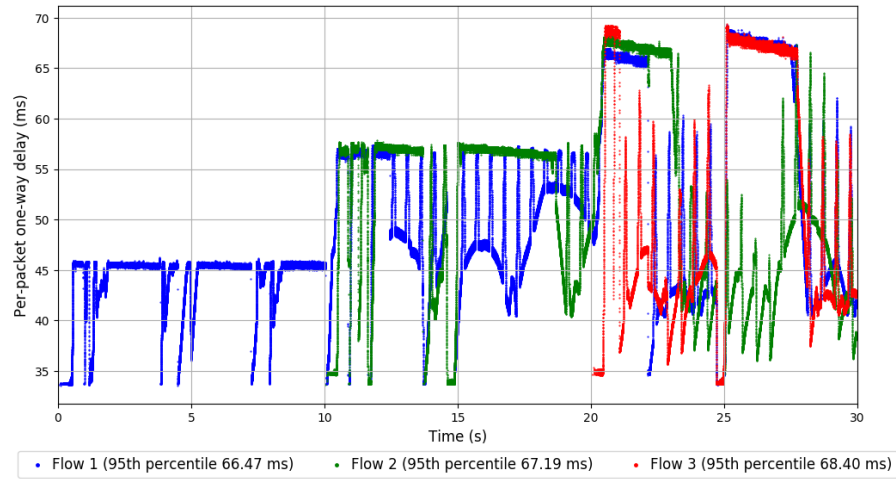
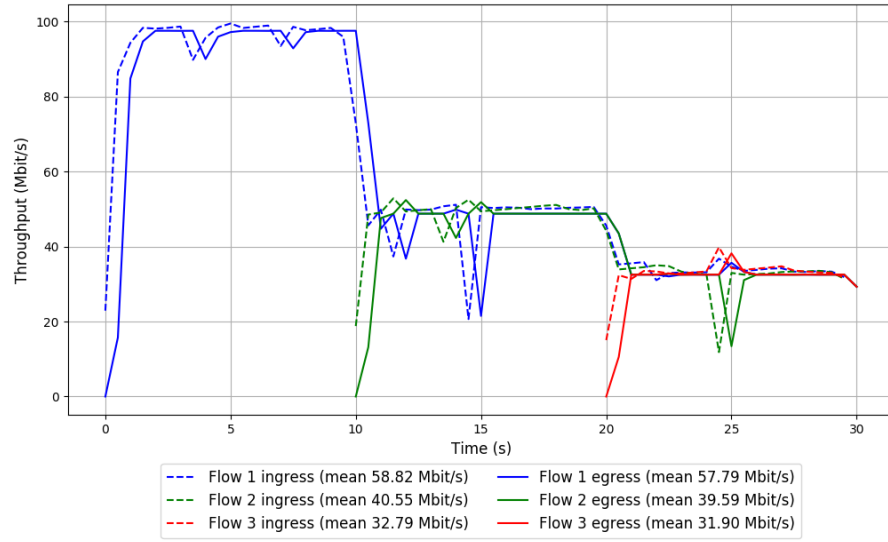
-- Flow 3:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 68.396 ms

Loss rate: 3.35%

Run 4: Report of TCP BBR — Data Link

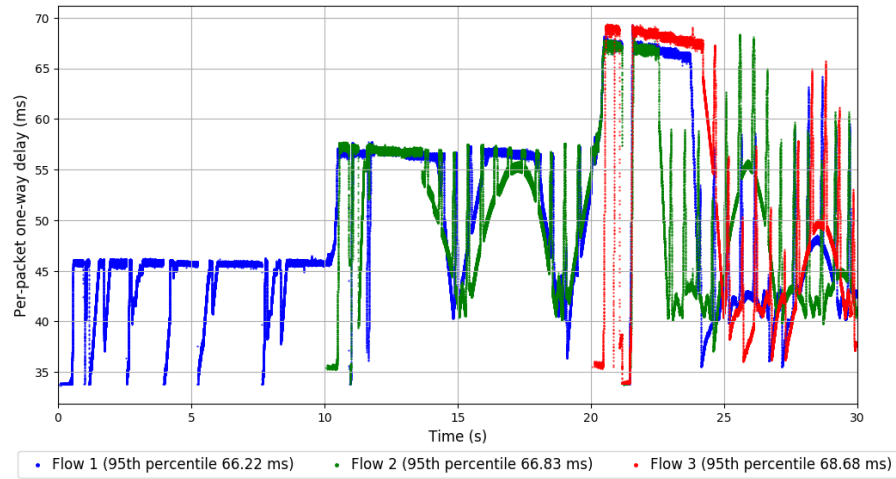
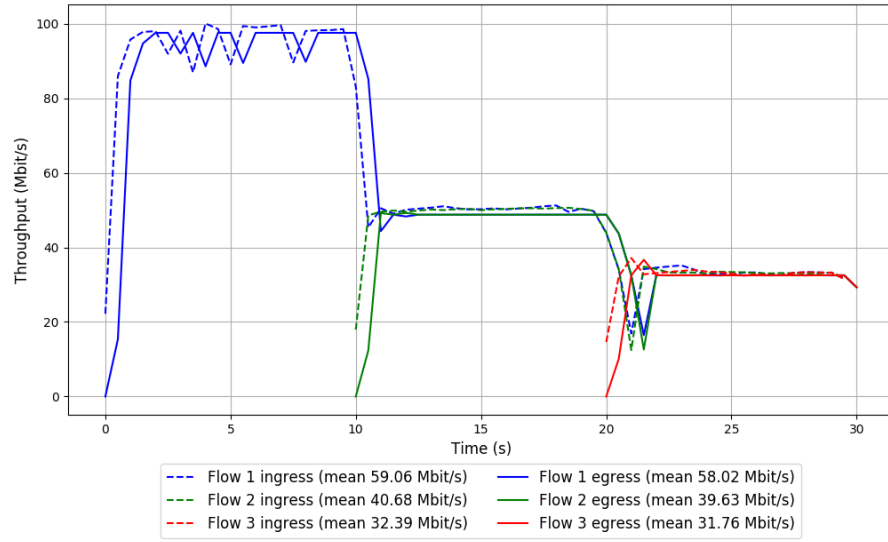


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 20:53:48
End at: 2018-08-22 20:54:18
Local clock offset: -2.768 ms
Remote clock offset: -0.742 ms

Below is generated by plot.py at 2018-08-22 22:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 66.217 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 68.678 ms
Loss rate: 2.60%

Run 5: Report of TCP BBR — Data Link

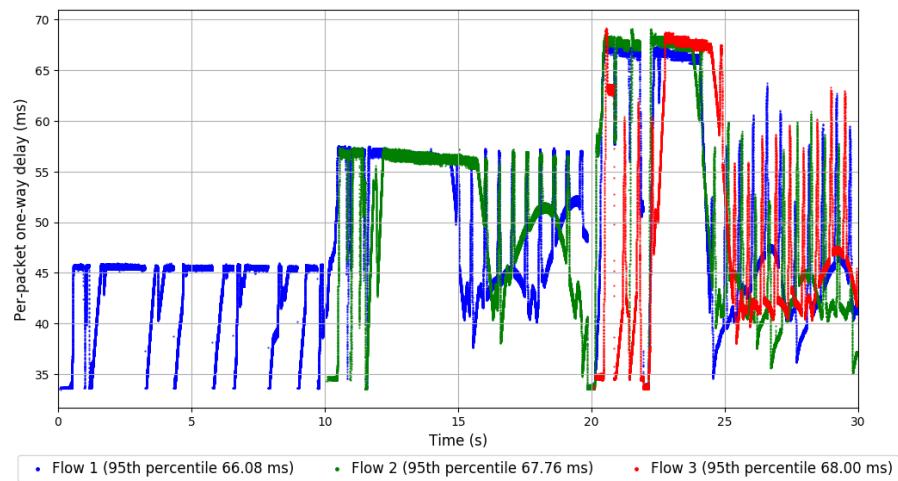
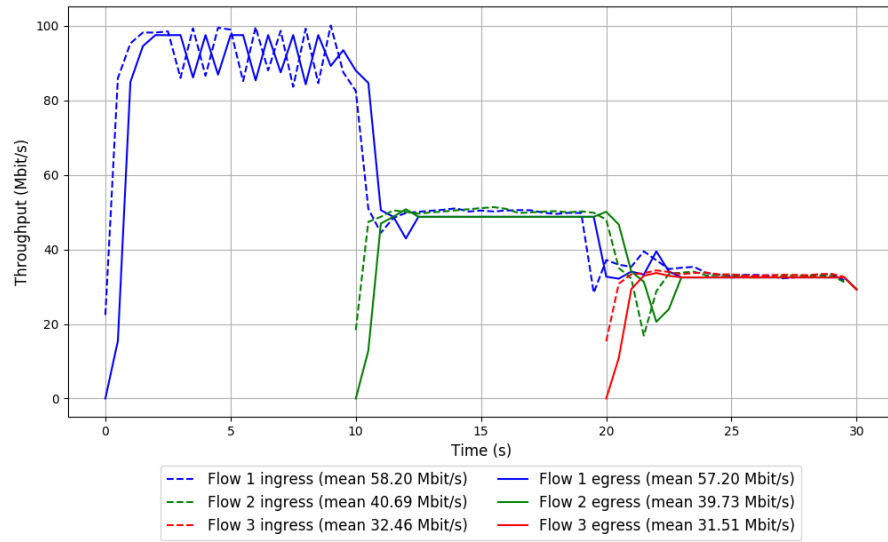


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 21:16:44
End at: 2018-08-22 21:17:14
Local clock offset: -3.853 ms
Remote clock offset: -1.421 ms

Below is generated by plot.py at 2018-08-22 22:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 67.222 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 66.081 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 67.763 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 68.000 ms
Loss rate: 3.53%

Run 6: Report of TCP BBR — Data Link

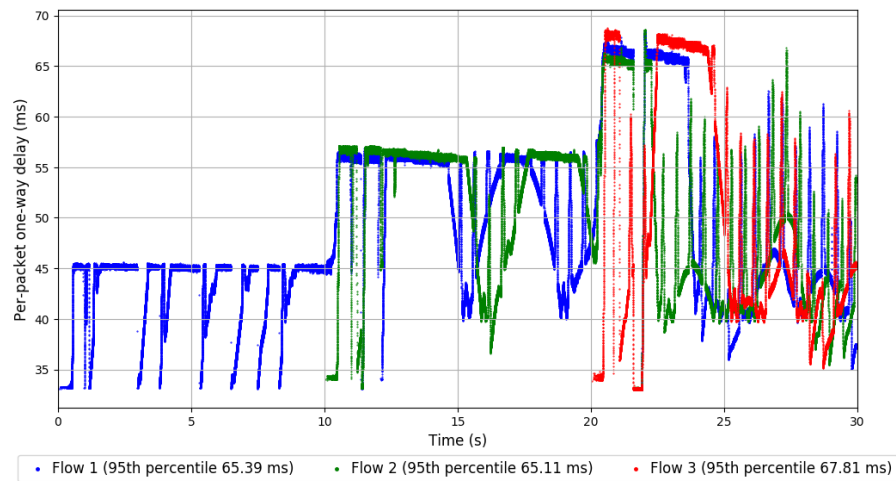
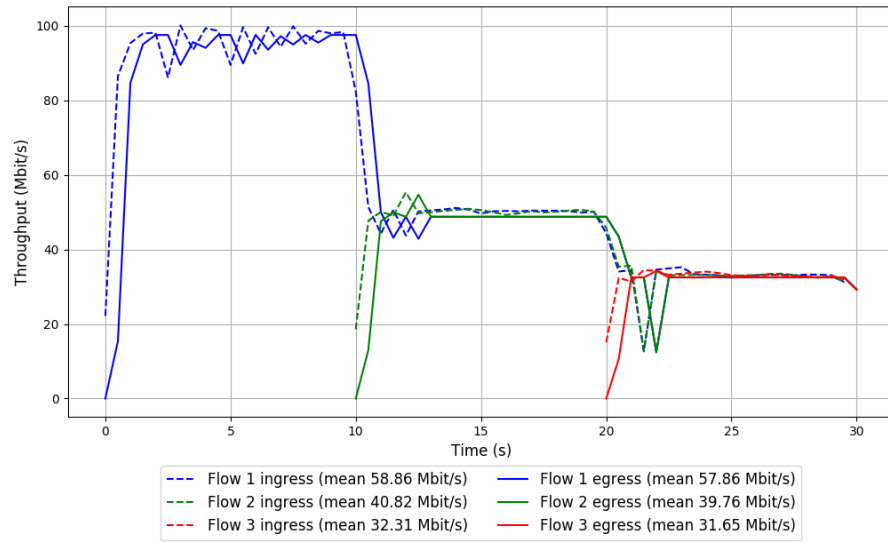


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 21:39:36
End at: 2018-08-22 21:40:06
Local clock offset: -3.554 ms
Remote clock offset: -2.156 ms

Below is generated by plot.py at 2018-08-22 22:54:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 65.985 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 65.395 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 65.109 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 67.807 ms
Loss rate: 2.69%

Run 7: Report of TCP BBR — Data Link

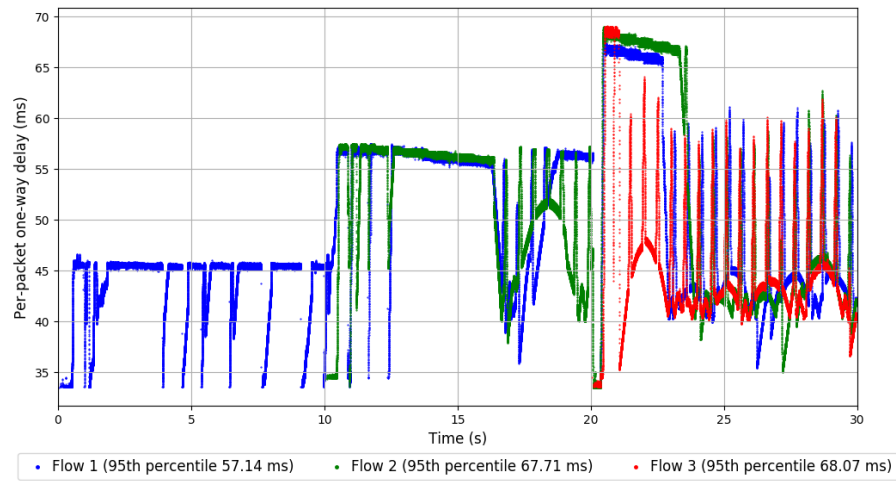
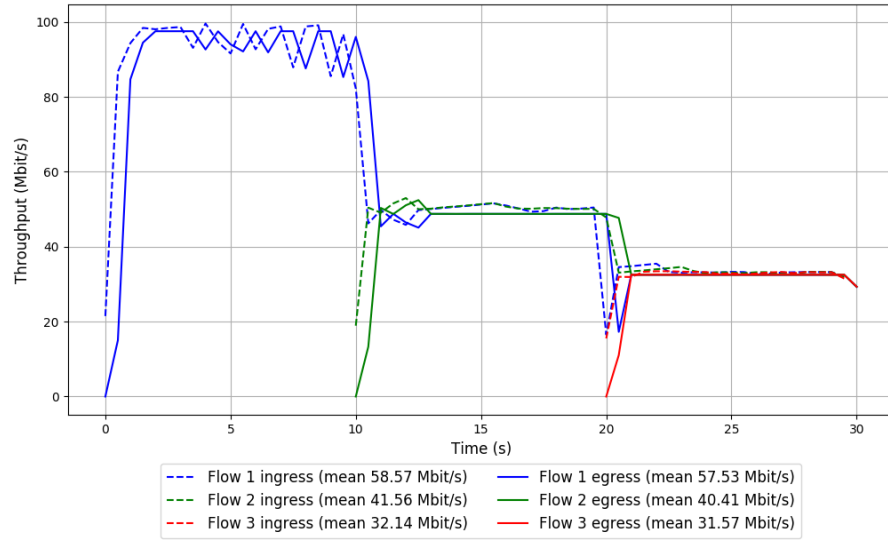


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 22:02:52
End at: 2018-08-22 22:03:22
Local clock offset: 1.063 ms
Remote clock offset: -0.938 ms

Below is generated by plot.py at 2018-08-22 22:54:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 66.371 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 57.140 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 67.706 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 68.066 ms
Loss rate: 2.42%

Run 8: Report of TCP BBR — Data Link

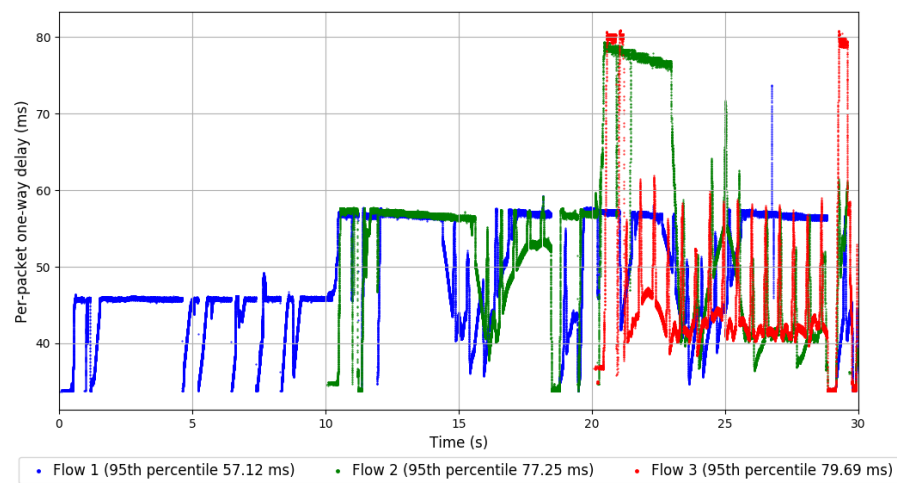
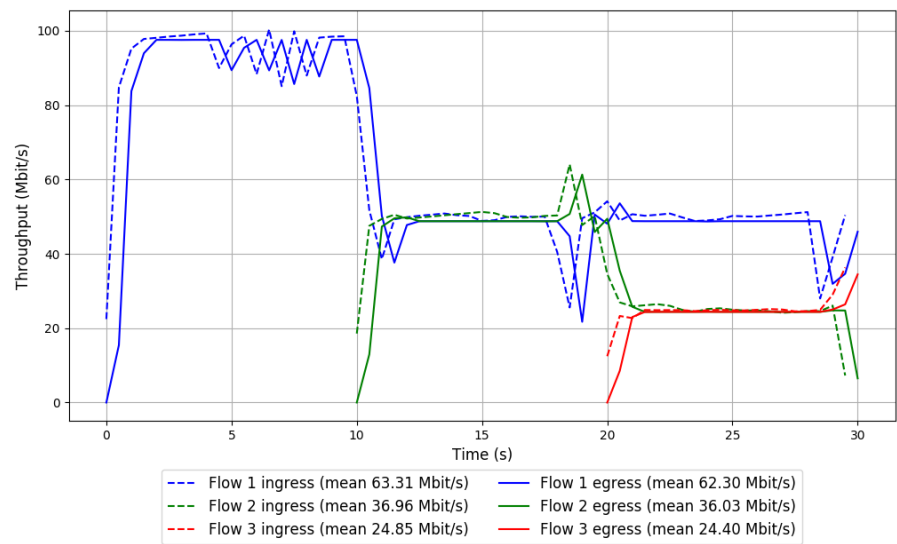


Run 9: Statistics of TCP BBR

Start at: 2018-08-22 22:25:54
End at: 2018-08-22 22:26:24
Local clock offset: 0.725 ms
Remote clock offset: -0.854 ms

Below is generated by plot.py at 2018-08-22 22:55:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 57.398 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 57.115 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 77.255 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 79.690 ms
Loss rate: 2.64%

Run 9: Report of TCP BBR — Data Link

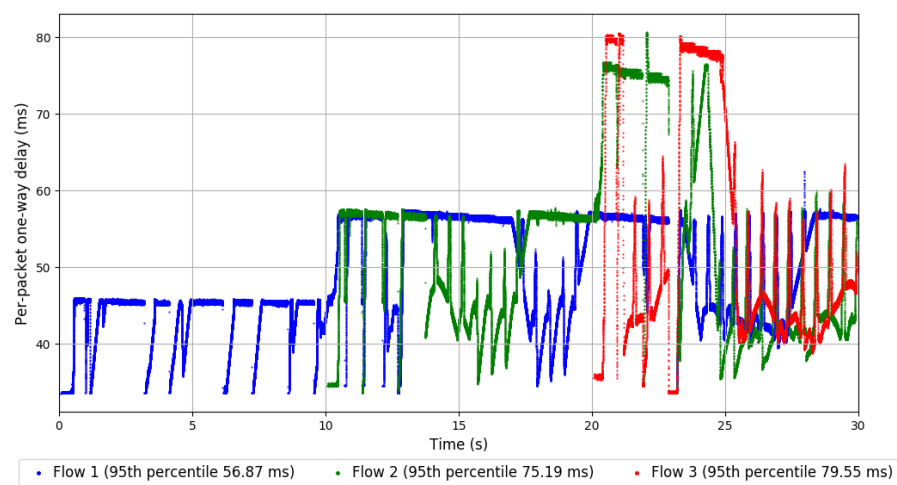
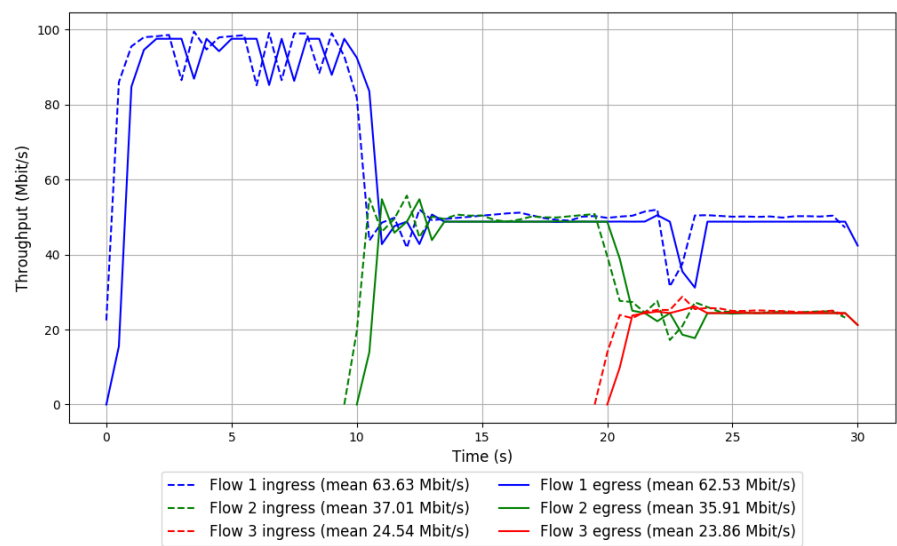


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 22:48:57
End at: 2018-08-22 22:49:27
Local clock offset: 0.582 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-08-22 22:55:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 62.399 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 56.869 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 75.191 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 79.552 ms
Loss rate: 3.43%

Run 10: Report of TCP BBR — Data Link

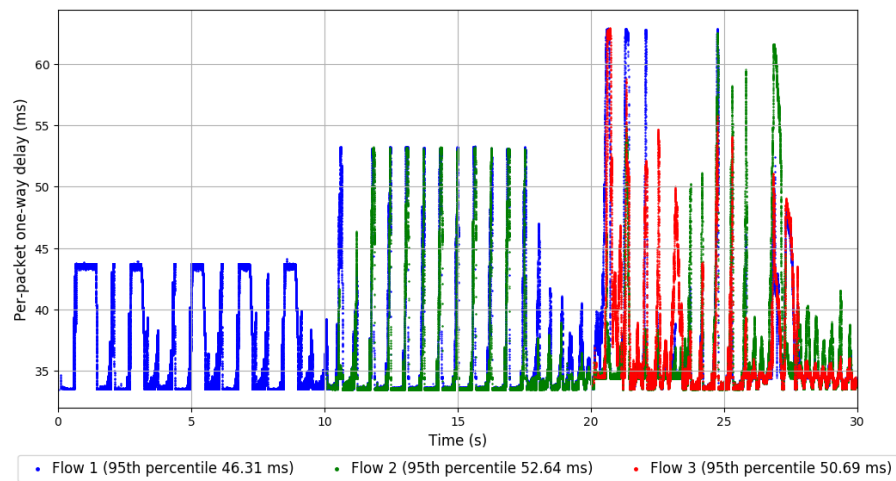
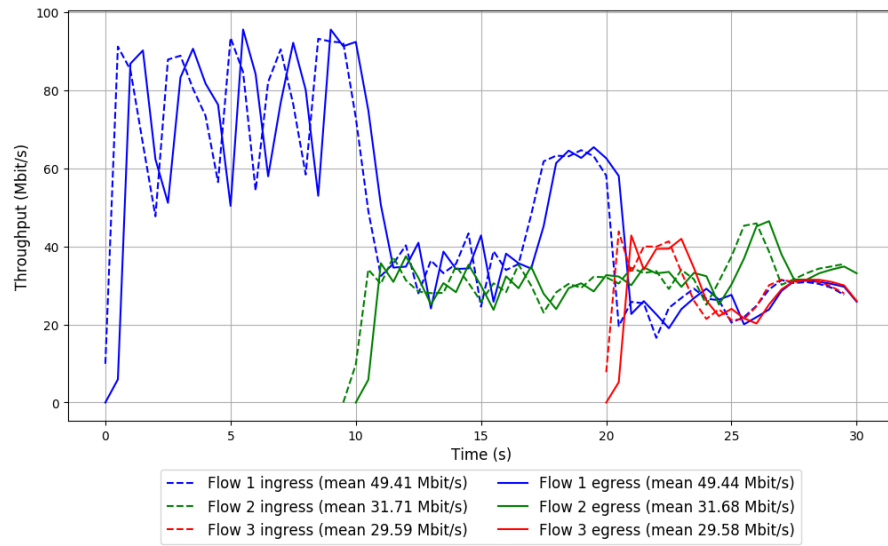


Run 1: Statistics of Copa

Start at: 2018-08-22 19:09:35
End at: 2018-08-22 19:10:05
Local clock offset: -0.104 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-08-22 22:56:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 48.920 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 46.312 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 52.642 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 50.687 ms
Loss rate: 0.67%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-22 19:32:29

End at: 2018-08-22 19:32:59

Local clock offset: 0.122 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2018-08-22 22:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.34 Mbit/s

95th percentile per-packet one-way delay: 43.570 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 43.521 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 46.971 ms

Loss rate: 0.29%

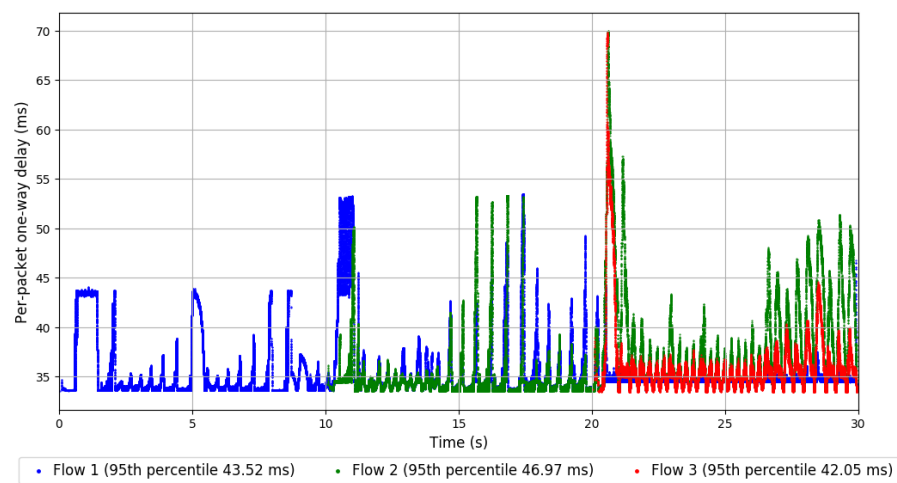
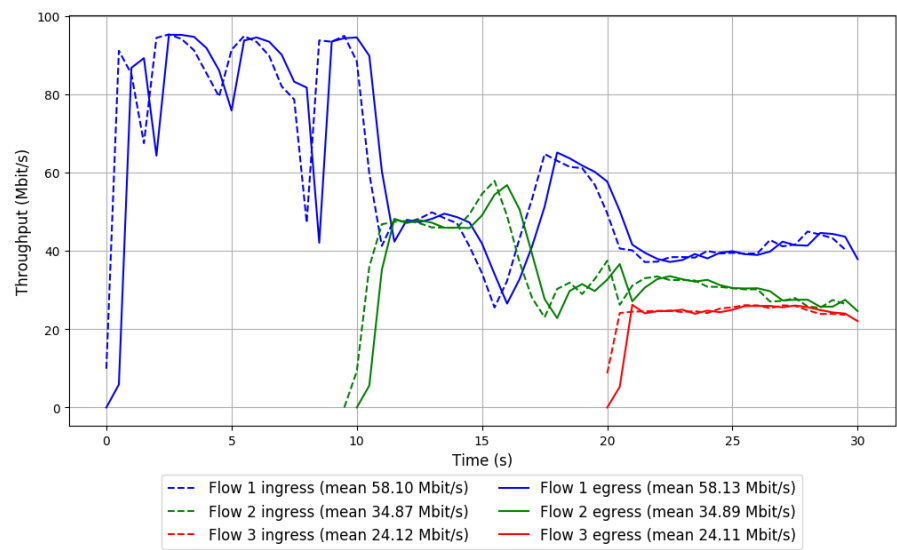
-- Flow 3:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 42.045 ms

Loss rate: 0.67%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-22 19:55:36

End at: 2018-08-22 19:56:06

Local clock offset: 0.332 ms

Remote clock offset: 1.604 ms

Below is generated by plot.py at 2018-08-22 22:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 43.611 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 43.625 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 43.95 Mbit/s

95th percentile per-packet one-way delay: 43.605 ms

Loss rate: 0.26%

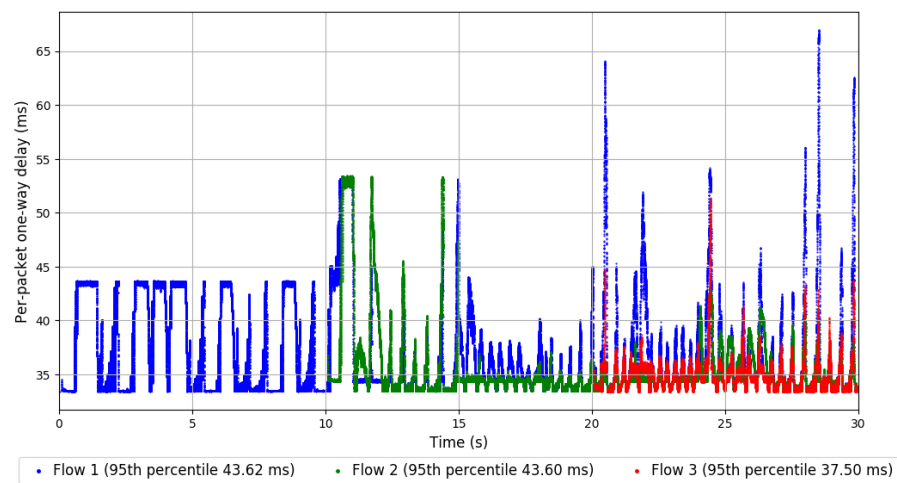
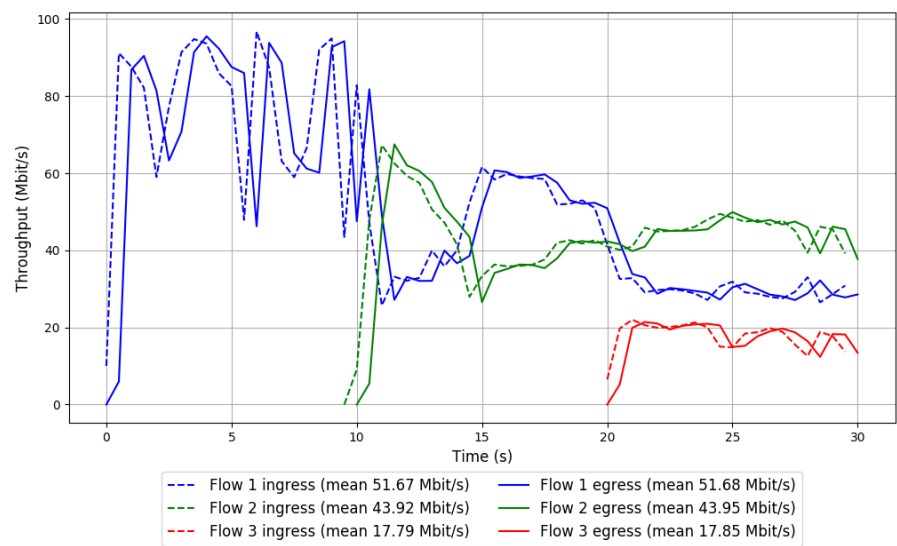
-- Flow 3:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 37.496 ms

Loss rate: 0.34%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-22 20:18:30

End at: 2018-08-22 20:19:00

Local clock offset: 0.267 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-08-22 22:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 43.691 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 54.31 Mbit/s

95th percentile per-packet one-way delay: 43.661 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 46.403 ms

Loss rate: 0.25%

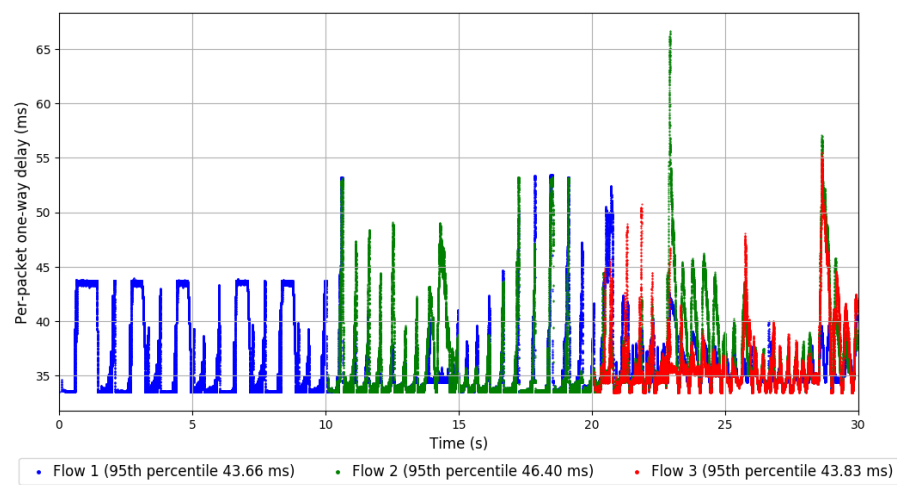
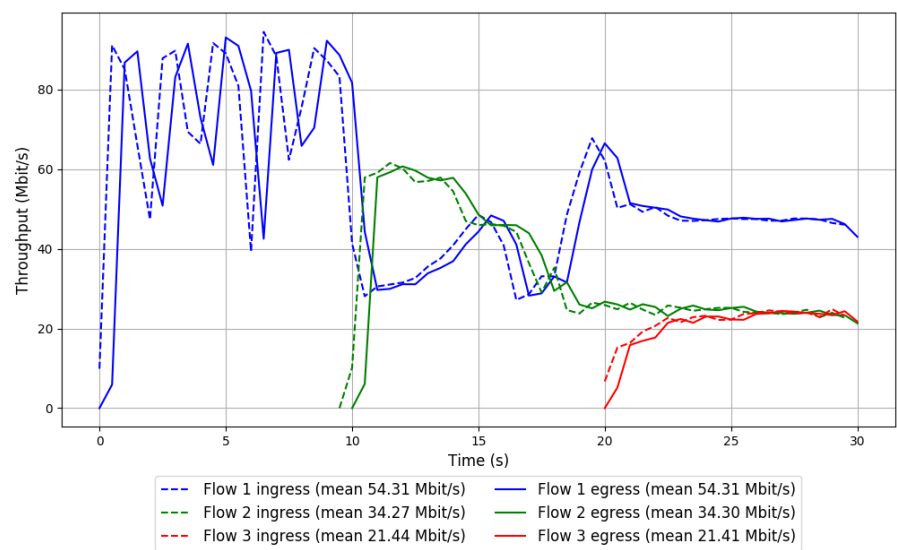
-- Flow 3:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 43.826 ms

Loss rate: 0.80%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-22 20:41:35

End at: 2018-08-22 20:42:05

Local clock offset: -0.884 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-22 22:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.63 Mbit/s

95th percentile per-packet one-way delay: 52.043 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 45.820 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 51.467 ms

Loss rate: 0.28%

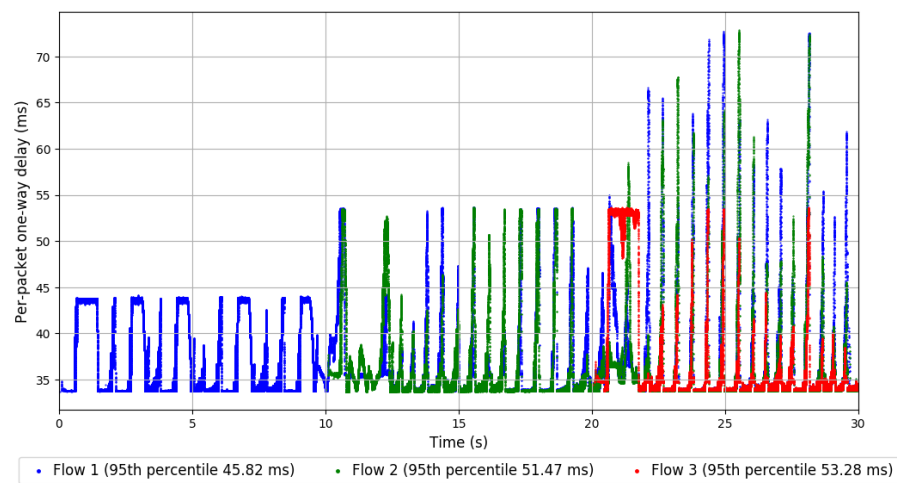
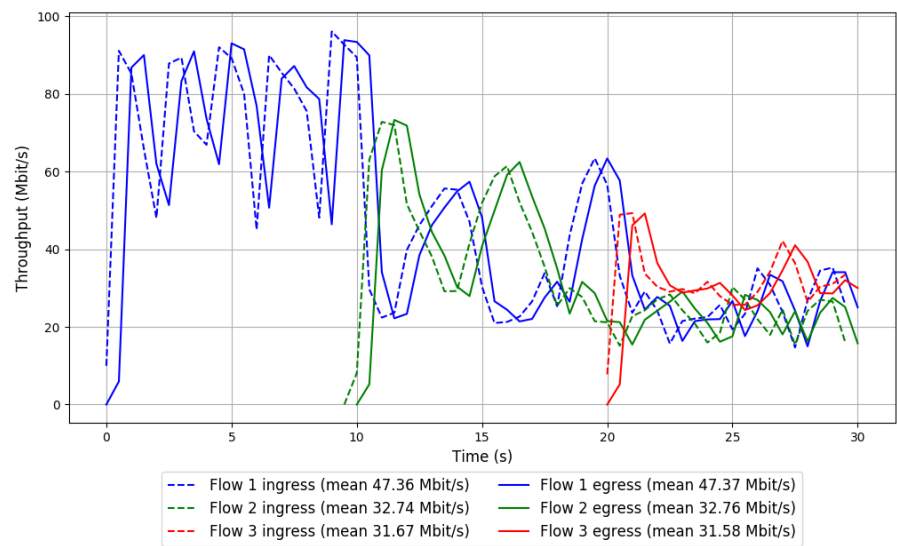
-- Flow 3:

Average throughput: 31.58 Mbit/s

95th percentile per-packet one-way delay: 53.283 ms

Loss rate: 0.94%

Run 5: Report of Copa — Data Link

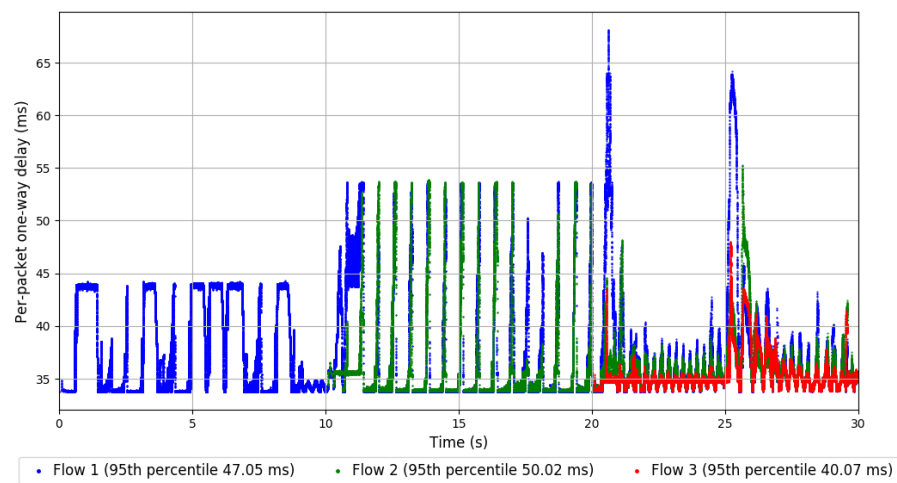
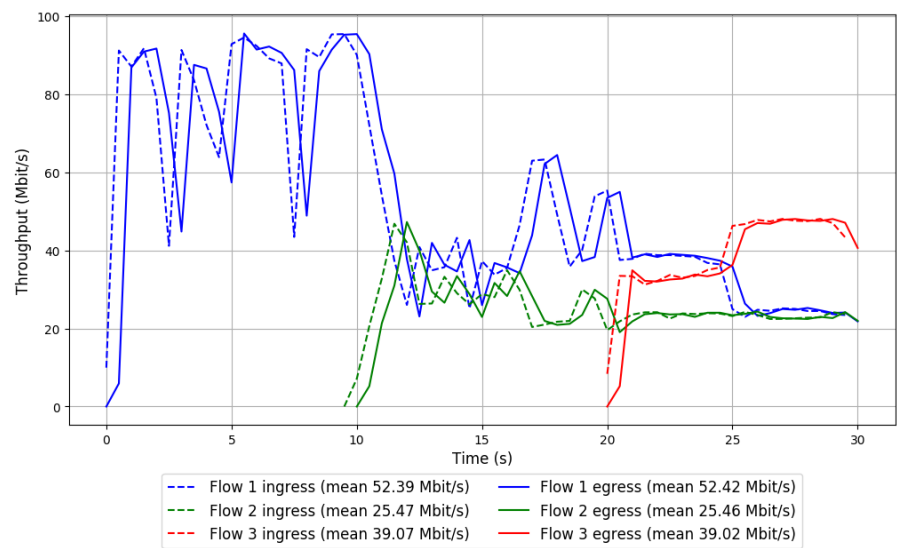


Run 6: Statistics of Copa

Start at: 2018-08-22 21:04:33
End at: 2018-08-22 21:05:03
Local clock offset: -3.403 ms
Remote clock offset: -0.919 ms

Below is generated by plot.py at 2018-08-22 22:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 46.733 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 47.047 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 50.018 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 40.069 ms
Loss rate: 0.77%

Run 6: Report of Copa — Data Link

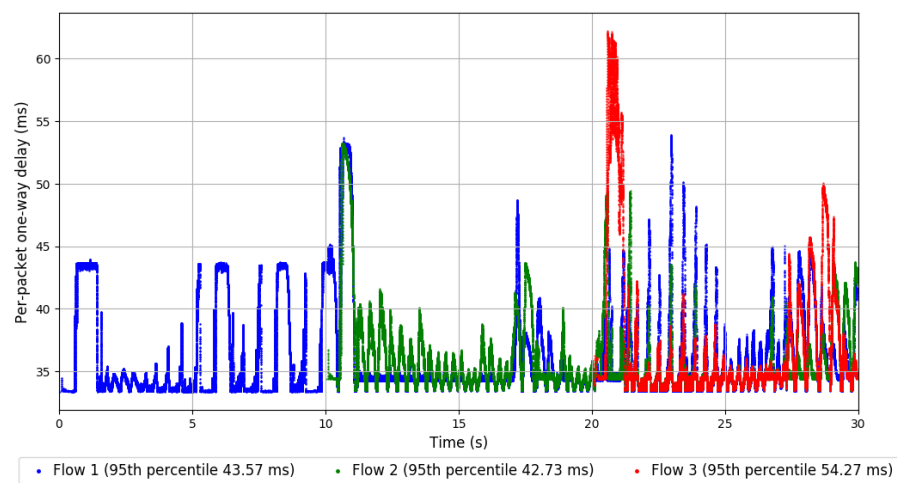
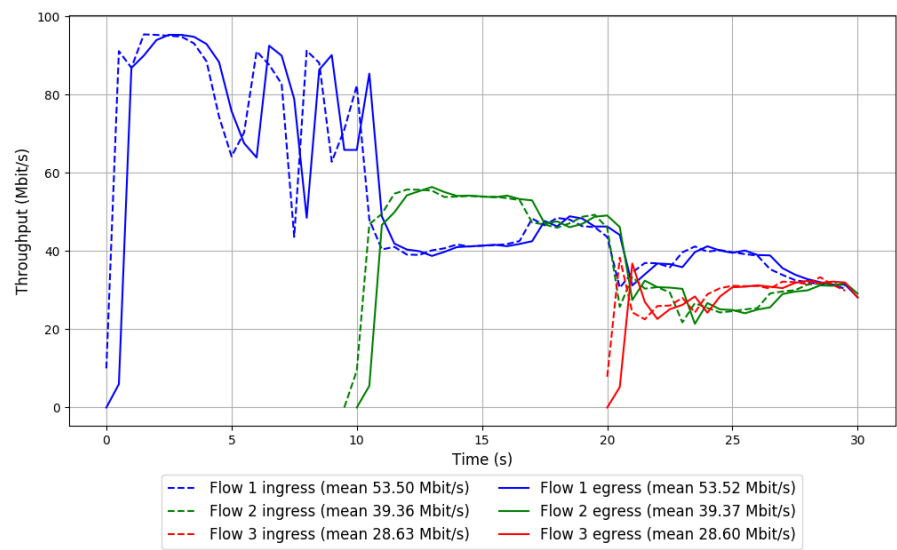


Run 7: Statistics of Copa

Start at: 2018-08-22 21:27:26
End at: 2018-08-22 21:27:56
Local clock offset: -4.489 ms
Remote clock offset: -1.798 ms

Below is generated by plot.py at 2018-08-22 22:57:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 43.611 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: 43.573 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 42.726 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 54.267 ms
Loss rate: 0.72%

Run 7: Report of Copa — Data Link

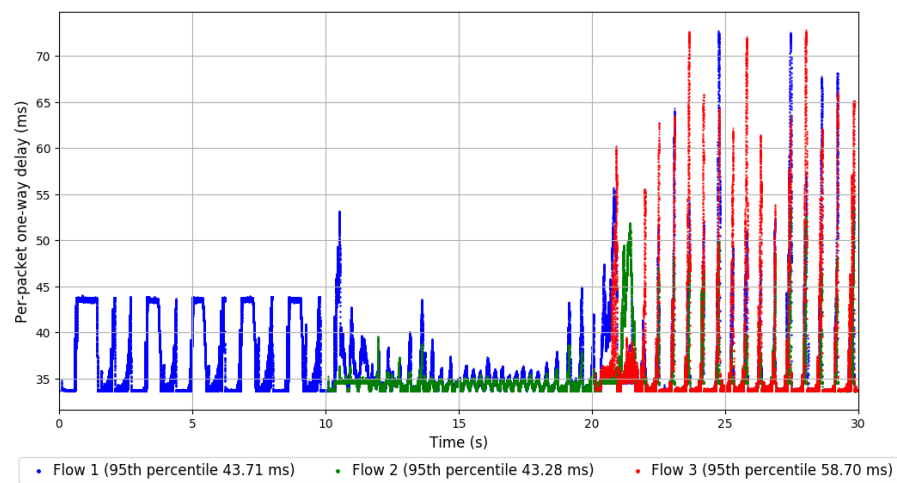
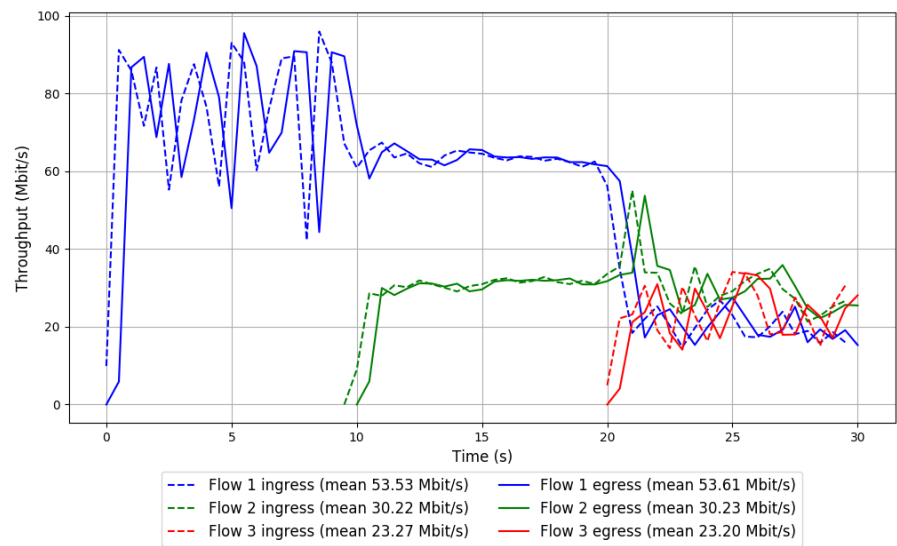


Run 8: Statistics of Copa

Start at: 2018-08-22 21:50:22
End at: 2018-08-22 21:50:52
Local clock offset: -0.277 ms
Remote clock offset: -1.519 ms

Below is generated by plot.py at 2018-08-22 22:57:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 43.759 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 43.283 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 58.704 ms
Loss rate: 0.94%

Run 8: Report of Copa — Data Link

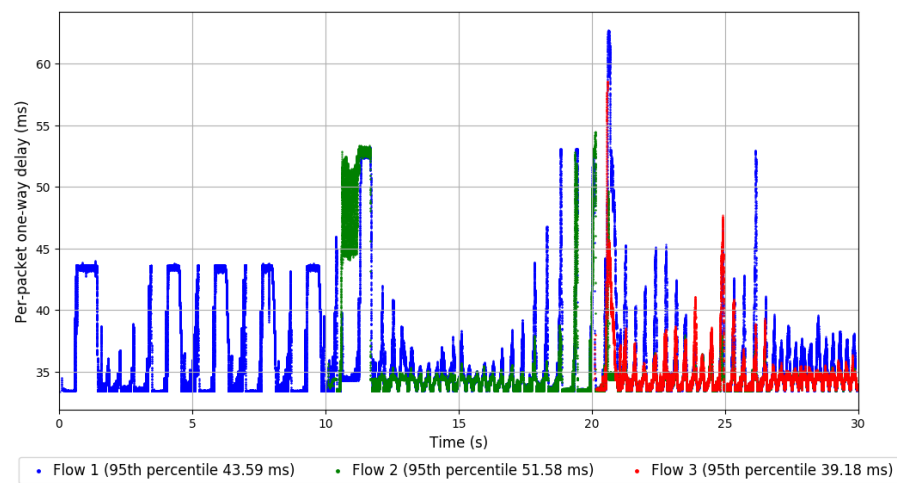
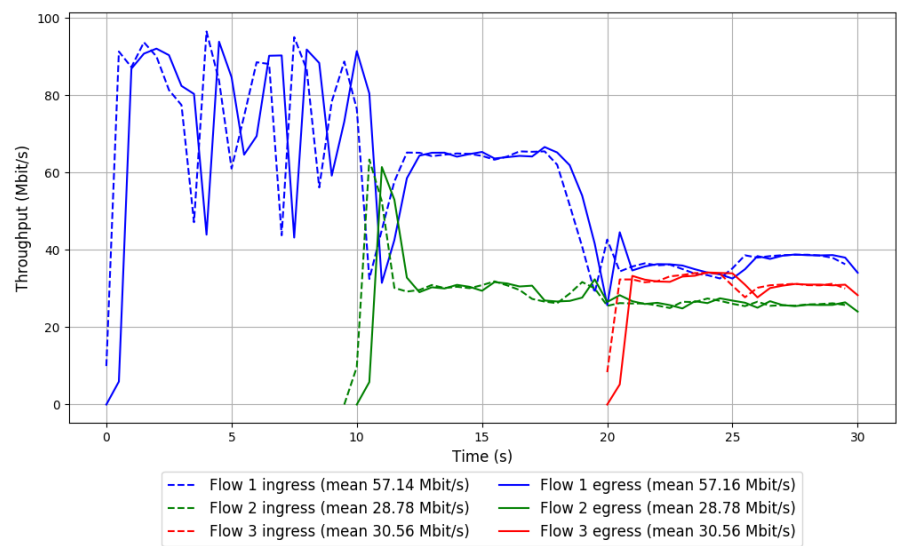


Run 9: Statistics of Copa

Start at: 2018-08-22 22:13:38
End at: 2018-08-22 22:14:08
Local clock offset: 0.749 ms
Remote clock offset: -0.849 ms

Below is generated by plot.py at 2018-08-22 22:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 43.950 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 43.585 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 51.583 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 0.67%

Run 9: Report of Copa — Data Link

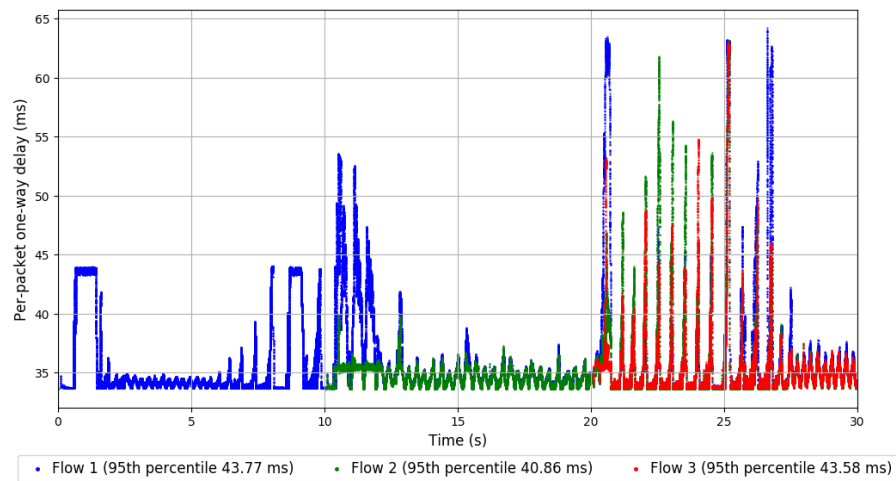
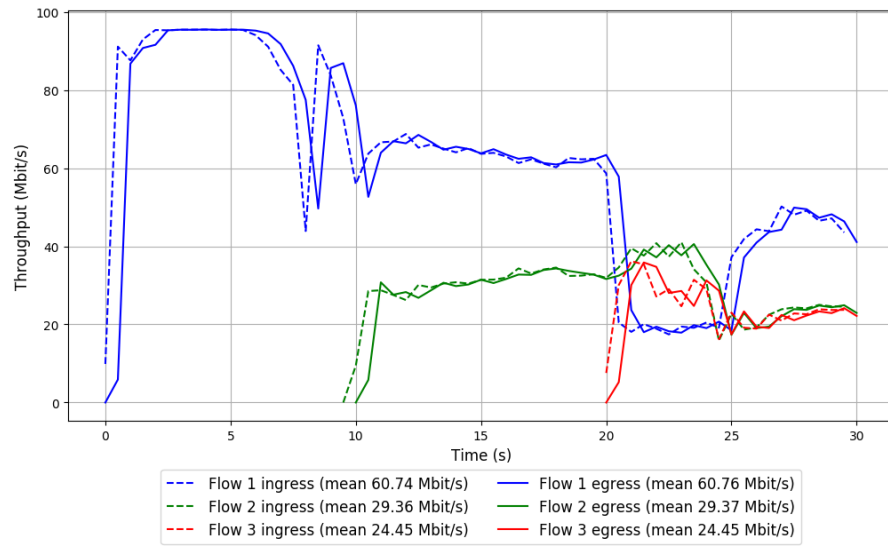


Run 10: Statistics of Copa

Start at: 2018-08-22 22:36:46
End at: 2018-08-22 22:37:16
Local clock offset: 0.923 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2018-08-22 22:58:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 43.742 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 43.768 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 40.860 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 43.575 ms
Loss rate: 0.66%

Run 10: Report of Copa — Data Link

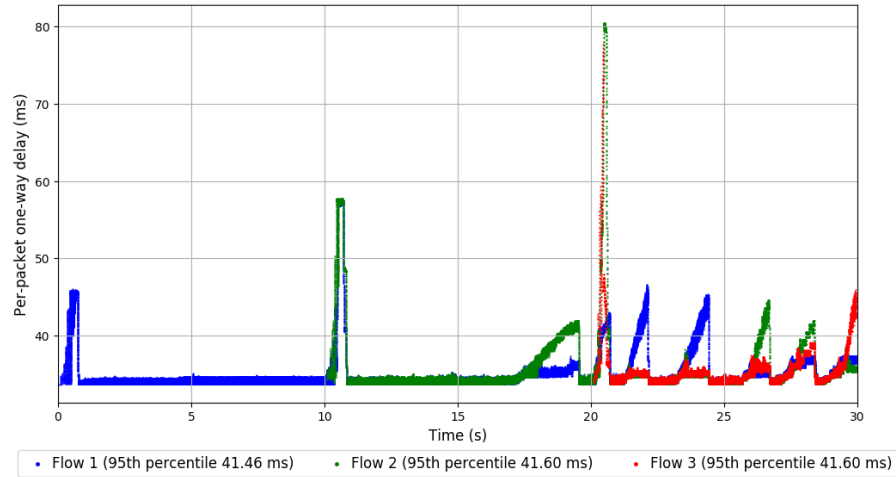
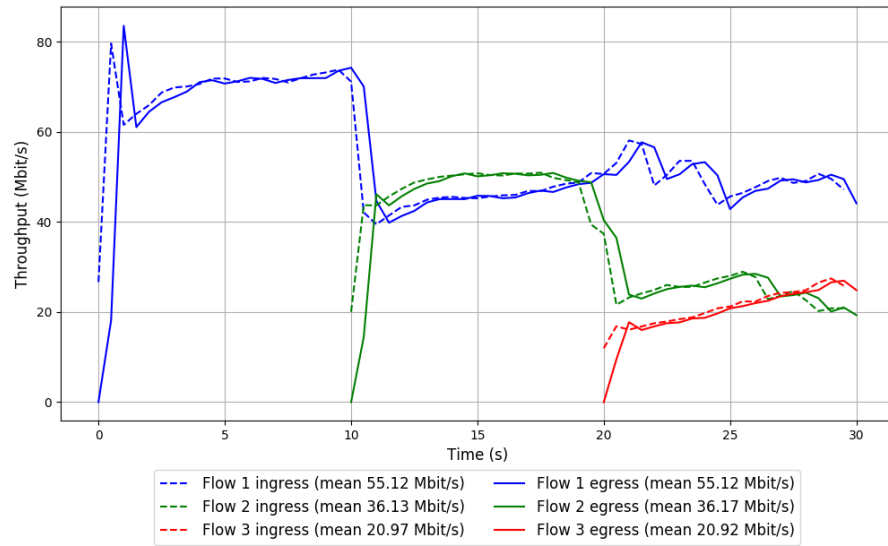


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 19:13:39
End at: 2018-08-22 19:14:09
Local clock offset: -0.04 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-08-22 22:58:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 41.522 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 41.462 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 41.597 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 41.604 ms
Loss rate: 0.88%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-08-22 19:37:06

Local clock offset: 0.119 ms

Remote clock offset: 0.466 ms

Below is generated by plot.py at 2018-08-22 22:58:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 41.374 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 40.943 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 37.05 Mbit/s

95th percentile per-packet one-way delay: 41.823 ms

Loss rate: 0.22%

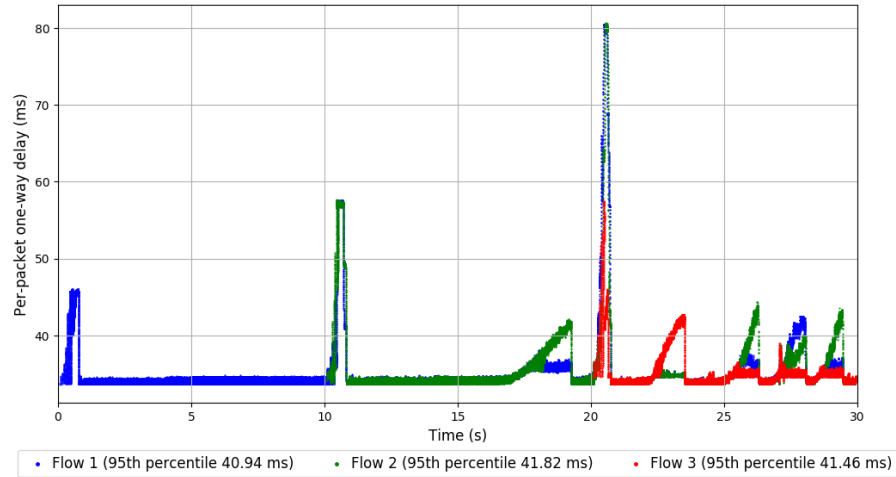
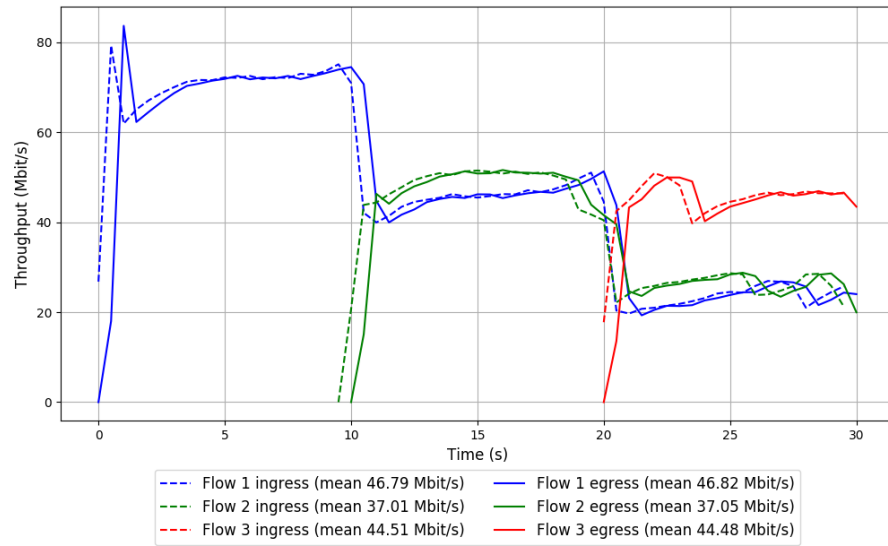
-- Flow 3:

Average throughput: 44.48 Mbit/s

95th percentile per-packet one-way delay: 41.462 ms

Loss rate: 0.71%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-08-22 20:00:10

Local clock offset: 0.469 ms

Remote clock offset: 1.657 ms

Below is generated by plot.py at 2018-08-22 22:58:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 41.260 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 40.845 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 46.35 Mbit/s

95th percentile per-packet one-way delay: 40.705 ms

Loss rate: 0.34%

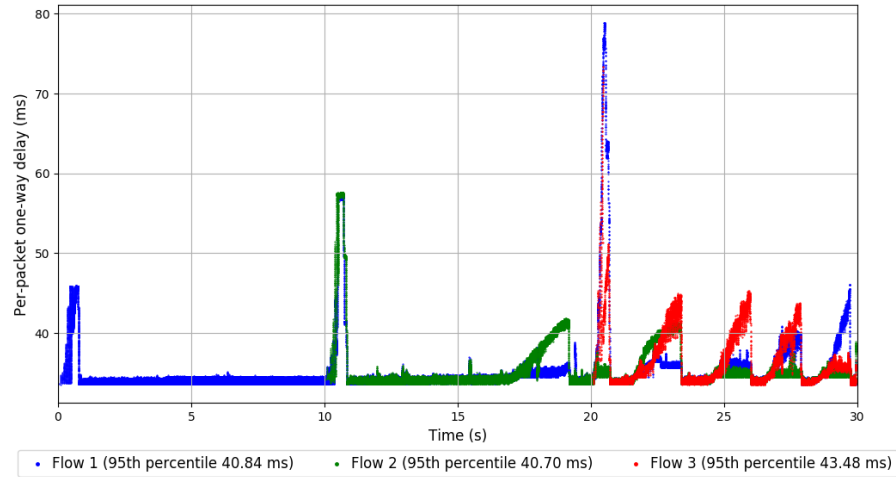
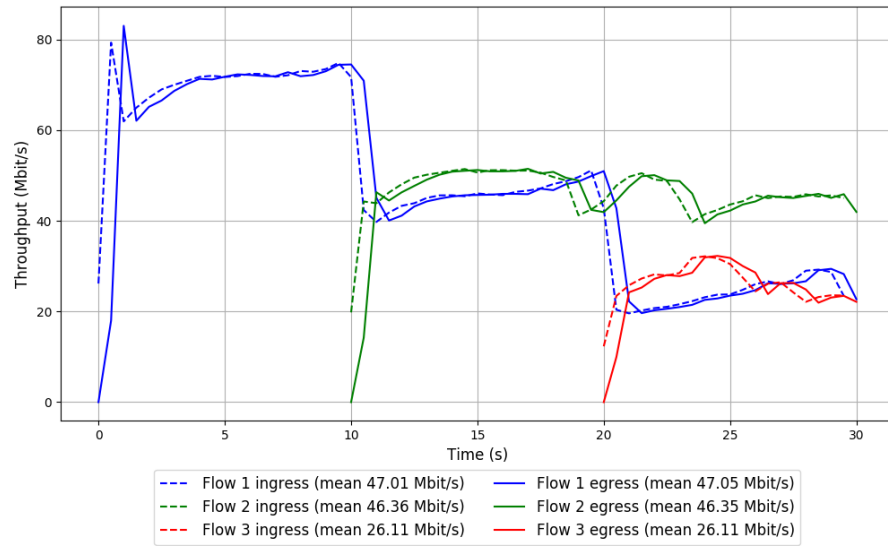
-- Flow 3:

Average throughput: 26.11 Mbit/s

95th percentile per-packet one-way delay: 43.480 ms

Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

End at: 2018-08-22 20:23:04

Local clock offset: 0.391 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-22 22:58:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.25 Mbit/s

95th percentile per-packet one-way delay: 41.039 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 54.00 Mbit/s

95th percentile per-packet one-way delay: 40.373 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 31.96 Mbit/s

95th percentile per-packet one-way delay: 42.256 ms

Loss rate: 0.25%

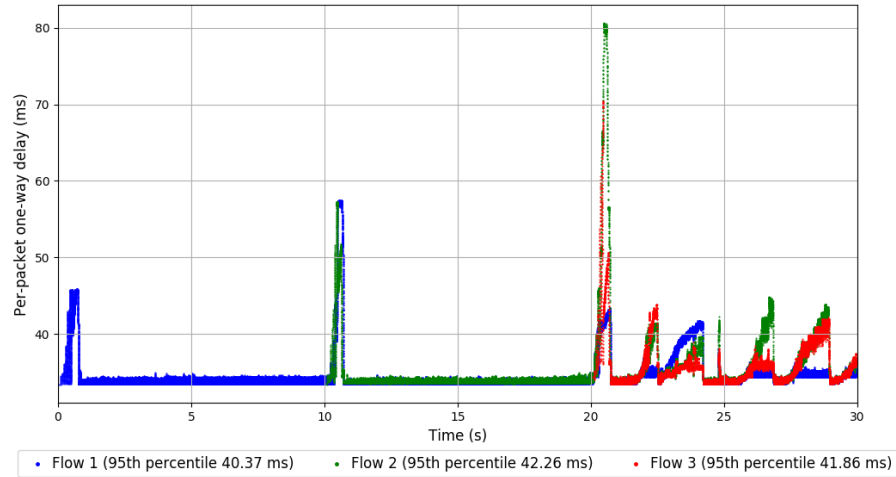
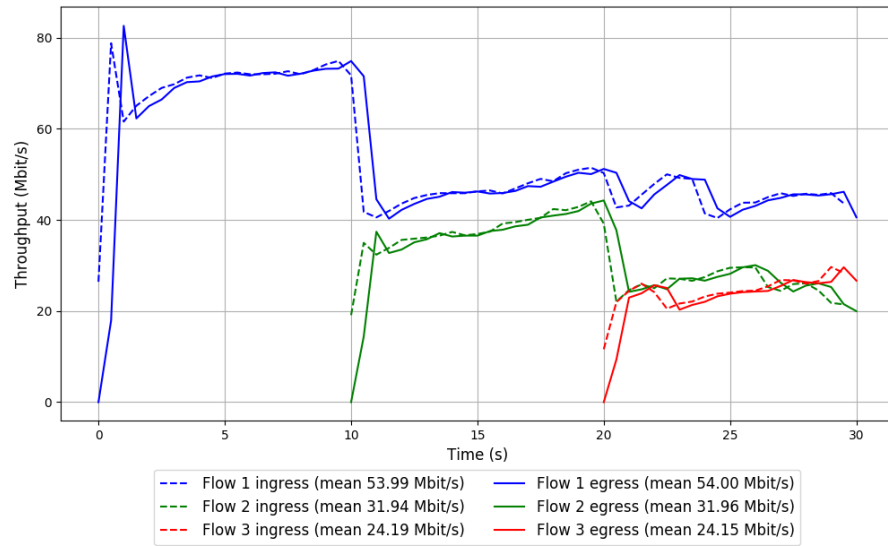
-- Flow 3:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 41.857 ms

Loss rate: 0.84%

Run 4: Report of TCP Cubic — Data Link

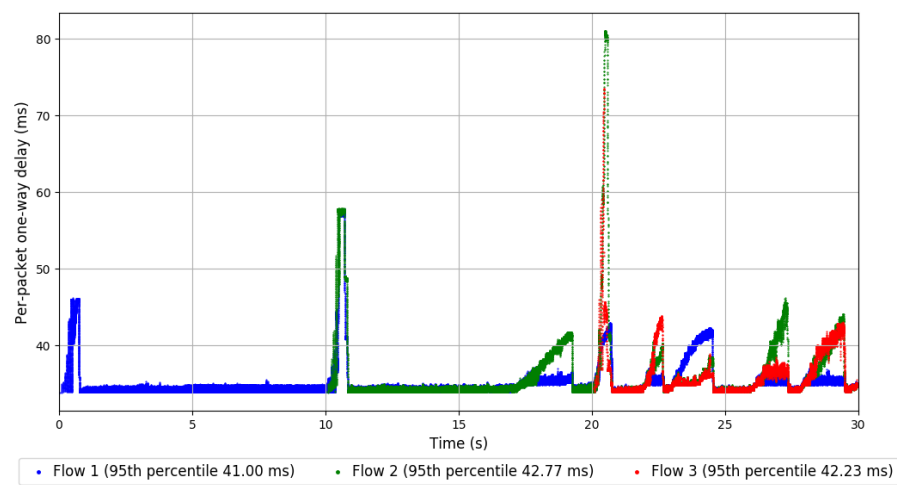
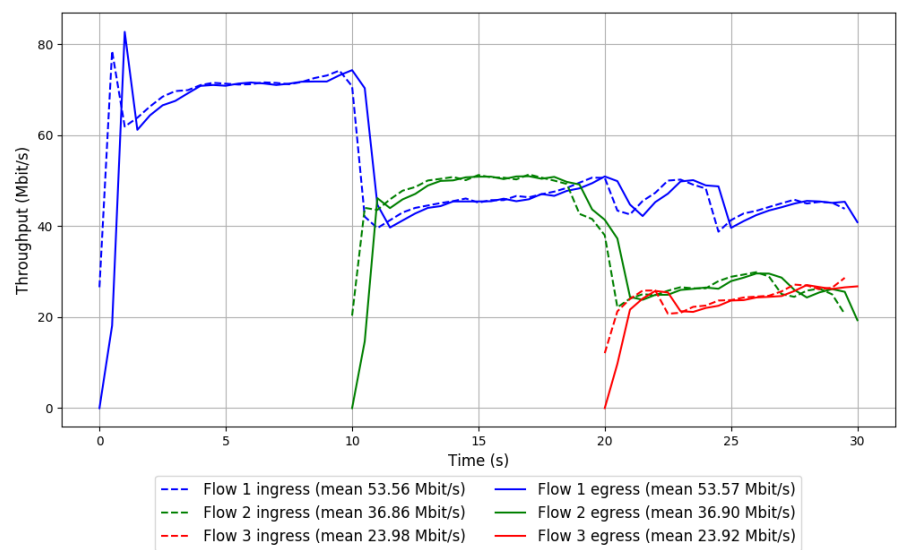


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 20:45:38
End at: 2018-08-22 20:46:08
Local clock offset: -1.734 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2018-08-22 22:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 41.455 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 40.999 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 42.766 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 42.227 ms
Loss rate: 0.88%

Run 5: Report of TCP Cubic — Data Link

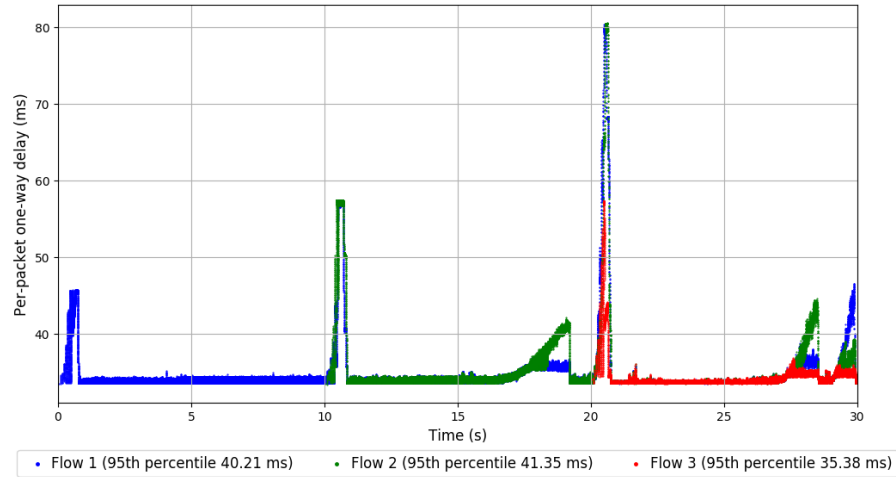
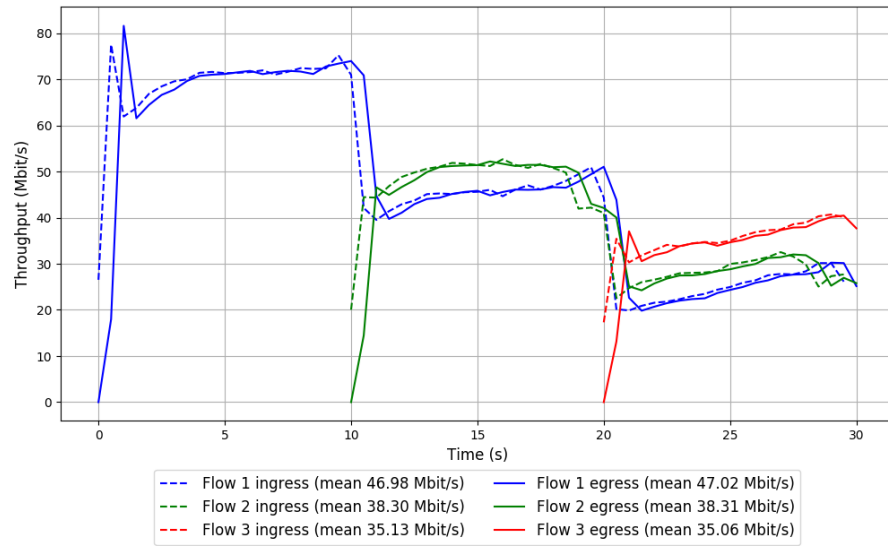


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 21:08:36
End at: 2018-08-22 21:09:06
Local clock offset: -3.639 ms
Remote clock offset: -0.866 ms

Below is generated by plot.py at 2018-08-22 22:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 40.641 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 40.210 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 41.348 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 35.381 ms
Loss rate: 0.83%

Run 6: Report of TCP Cubic — Data Link

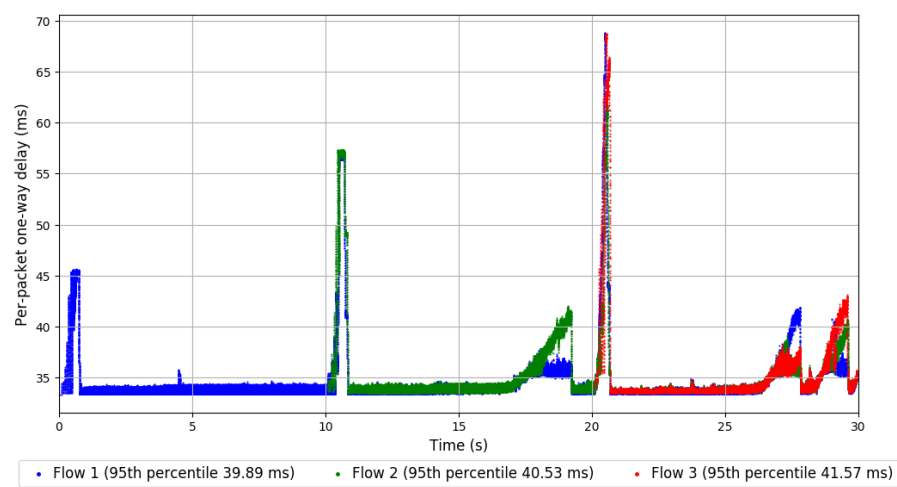
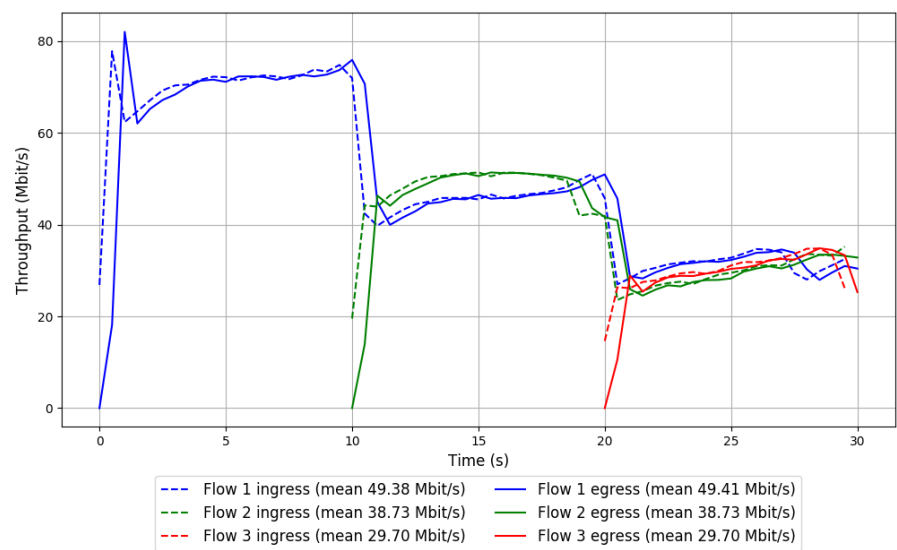


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 21:31:30
End at: 2018-08-22 21:32:00
Local clock offset: -4.683 ms
Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-08-22 22:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 40.560 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 39.894 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 40.531 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 41.574 ms
Loss rate: 0.62%

Run 7: Report of TCP Cubic — Data Link

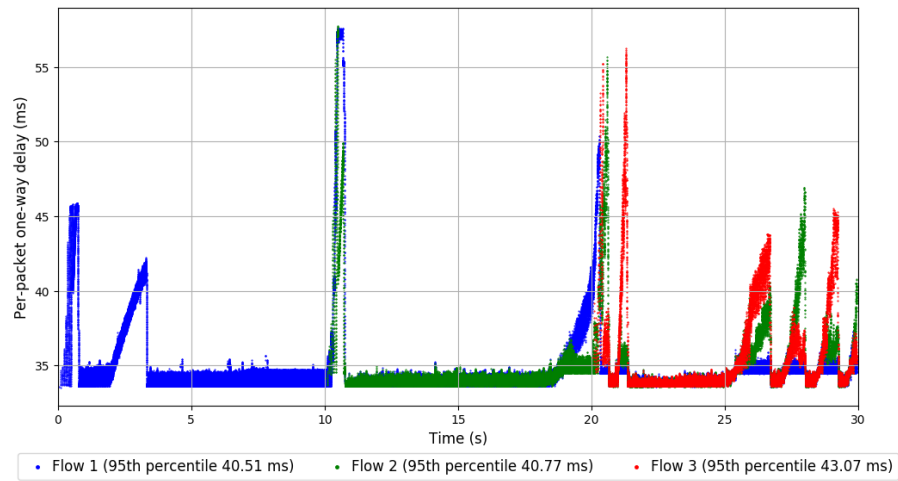
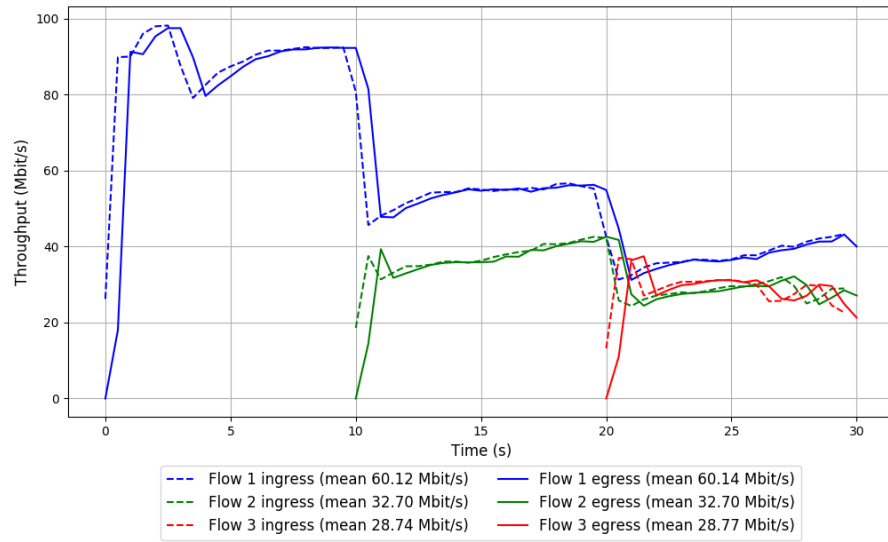


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 21:54:29
End at: 2018-08-22 21:54:59
Local clock offset: 0.32 ms
Remote clock offset: -1.254 ms

Below is generated by plot.py at 2018-08-22 22:58:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: 40.889 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 40.512 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 40.767 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 43.070 ms
Loss rate: 0.56%

Run 8: Report of TCP Cubic — Data Link

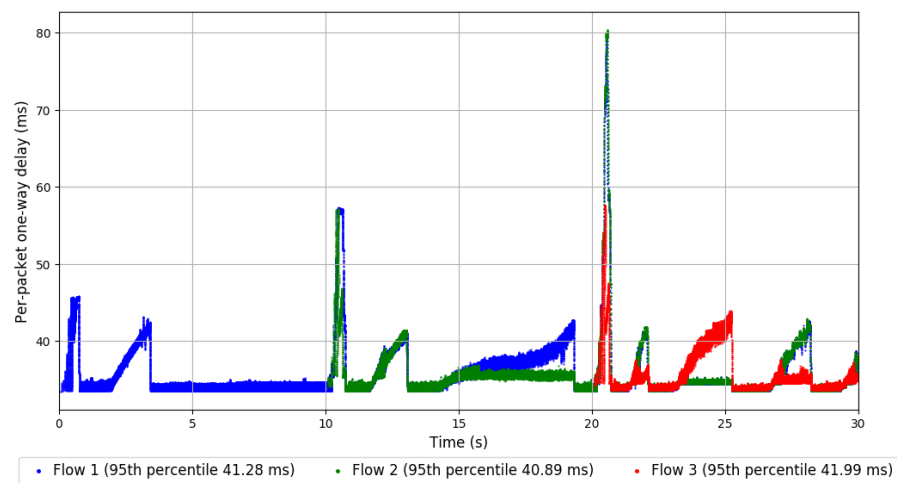
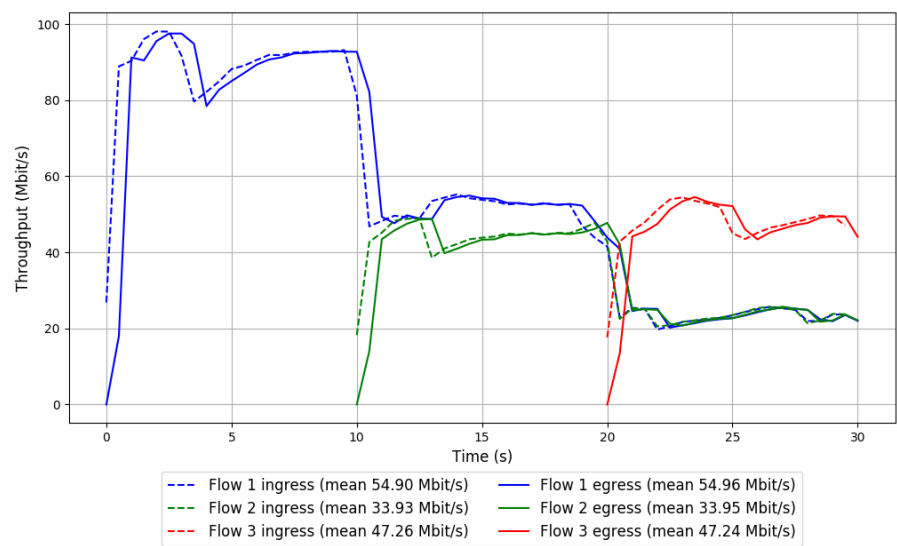


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 22:17:44
End at: 2018-08-22 22:18:14
Local clock offset: 0.747 ms
Remote clock offset: -0.764 ms

Below is generated by plot.py at 2018-08-22 22:58:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 41.384 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 41.285 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 40.891 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 41.993 ms
Loss rate: 0.69%

Run 9: Report of TCP Cubic — Data Link

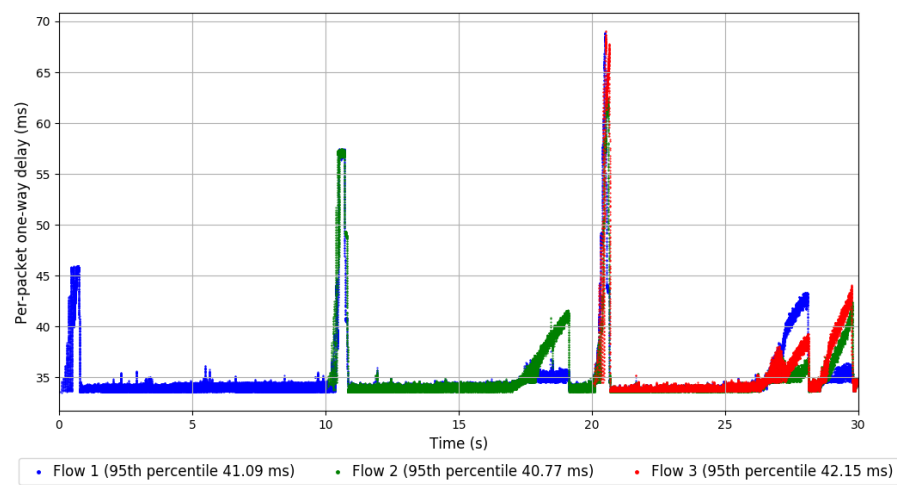
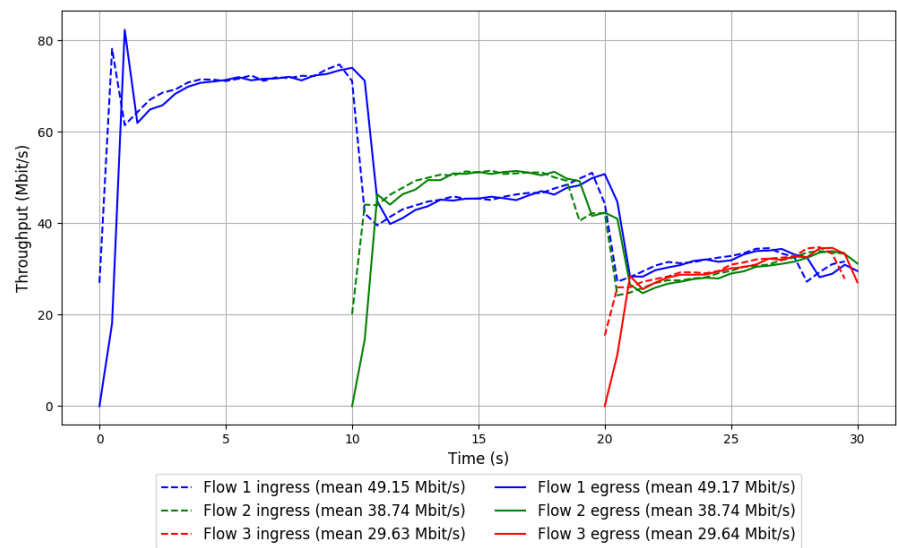


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 22:40:49
End at: 2018-08-22 22:41:19
Local clock offset: 0.729 ms
Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-08-22 22:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 41.139 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 41.085 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 40.773 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 42.146 ms
Loss rate: 0.60%

Run 10: Report of TCP Cubic — Data Link

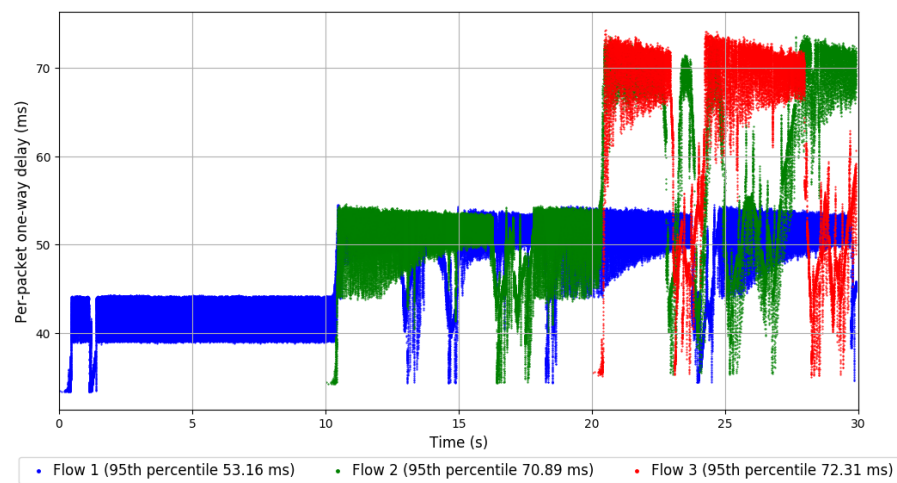
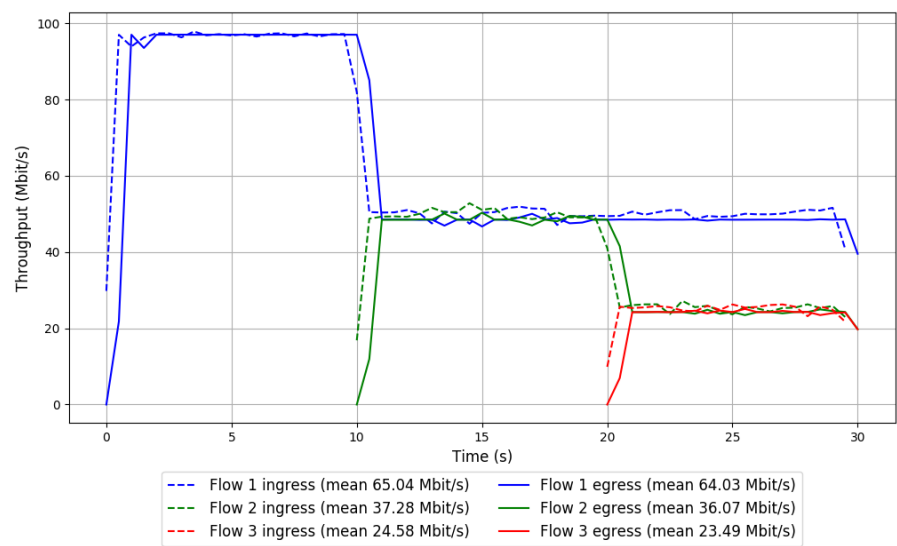


Run 1: Statistics of FillP

Start at: 2018-08-22 19:05:28
End at: 2018-08-22 19:05:58
Local clock offset: -0.236 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-08-22 22:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 69.816 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 70.885 ms
Loss rate: 3.60%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 72.310 ms
Loss rate: 5.06%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

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

End at: 2018-08-22 19:28:52

Local clock offset: 0.077 ms

Remote clock offset: 0.839 ms

Below is generated by plot.py at 2018-08-22 22:59:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 62.013 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 58.89 Mbit/s

95th percentile per-packet one-way delay: 60.866 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 62.212 ms

Loss rate: 4.11%

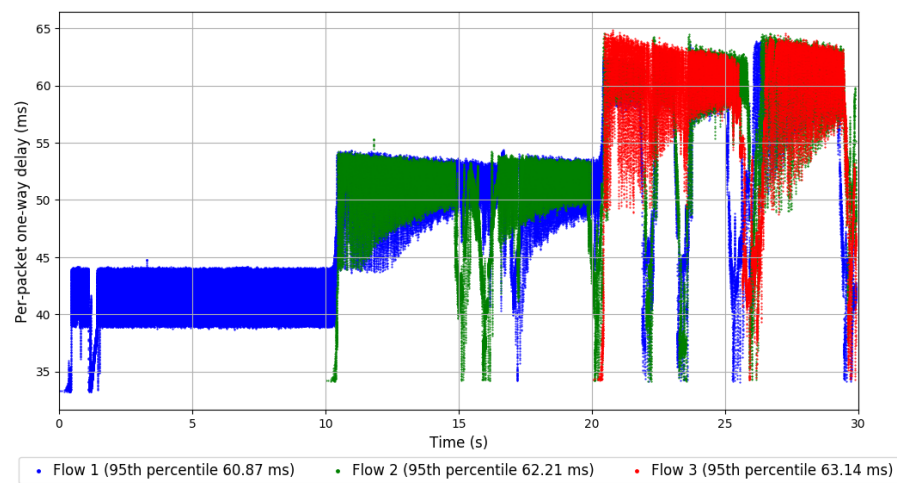
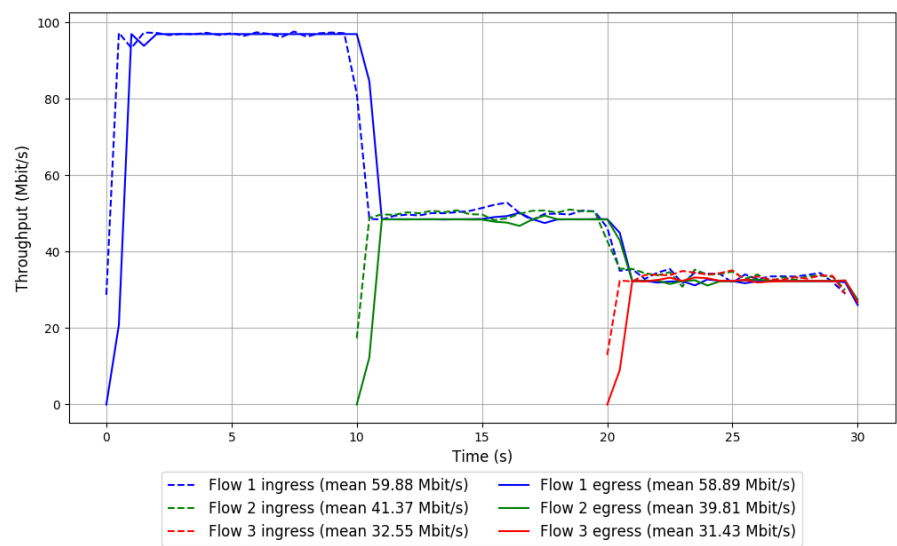
-- Flow 3:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 63.139 ms

Loss rate: 4.07%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-22 19:51:29

End at: 2018-08-22 19:51:59

Local clock offset: 0.26 ms

Remote clock offset: 1.348 ms

Below is generated by plot.py at 2018-08-22 22:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 70.328 ms

Loss rate: 2.45%

-- Flow 1:

Average throughput: 56.28 Mbit/s

95th percentile per-packet one-way delay: 69.601 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 47.58 Mbit/s

95th percentile per-packet one-way delay: 53.539 ms

Loss rate: 3.47%

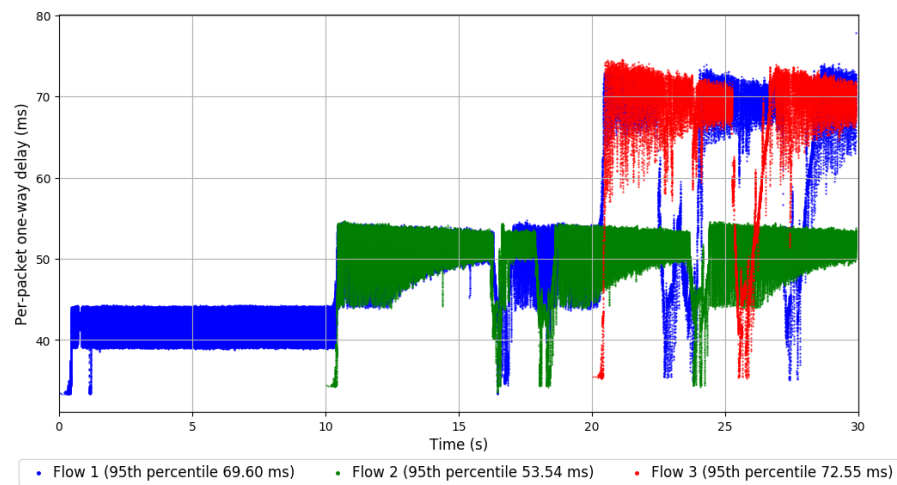
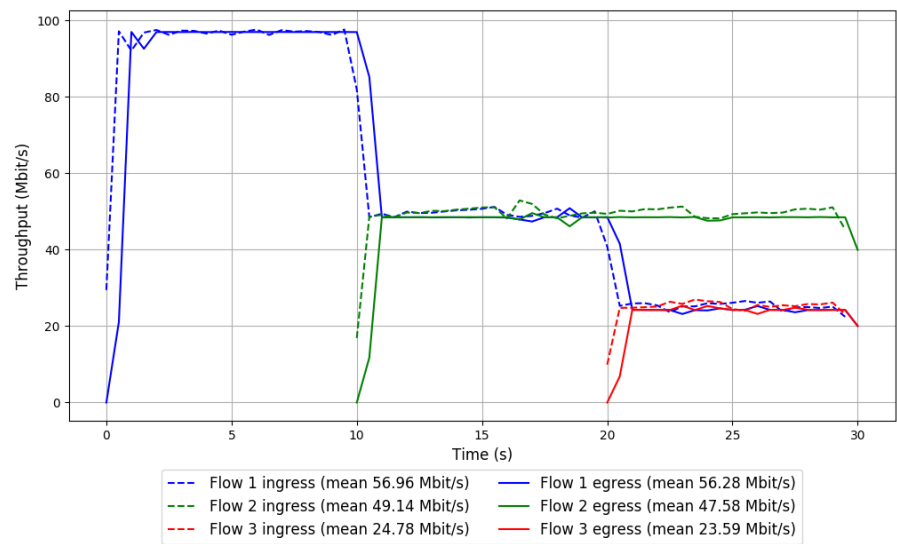
-- Flow 3:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 72.553 ms

Loss rate: 5.45%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-22 20:14:23

End at: 2018-08-22 20:14:53

Local clock offset: 0.31 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-08-22 22:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 62.344 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 57.29 Mbit/s

95th percentile per-packet one-way delay: 61.313 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 62.431 ms

Loss rate: 4.04%

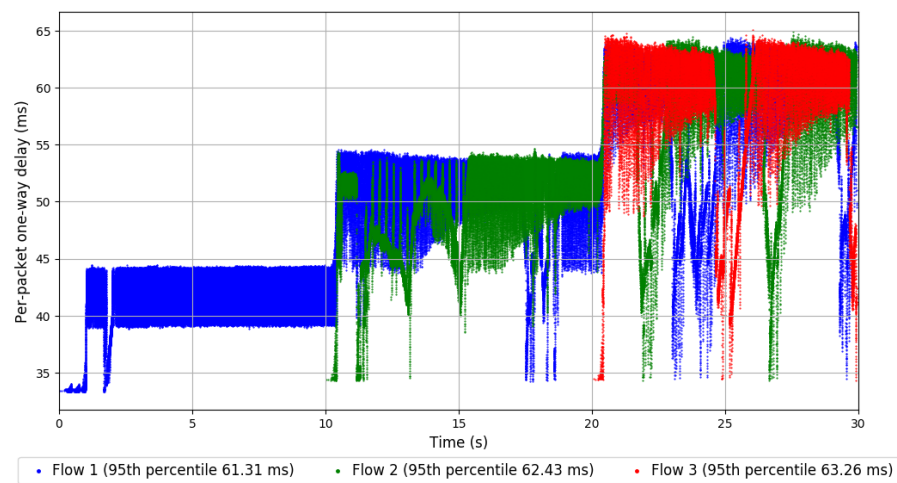
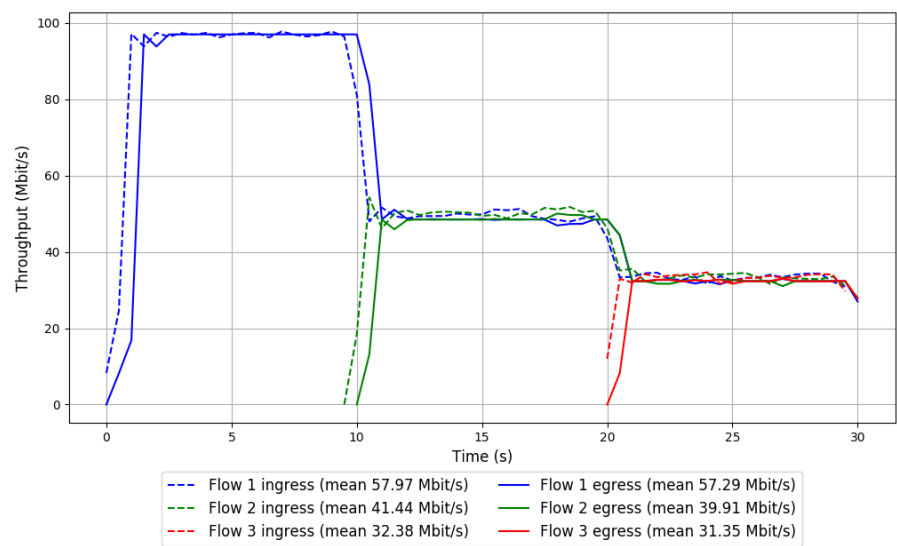
-- Flow 3:

Average throughput: 31.35 Mbit/s

95th percentile per-packet one-way delay: 63.258 ms

Loss rate: 3.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-22 20:37:27

End at: 2018-08-22 20:37:57

Local clock offset: 0.385 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-22 22:59:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 62.576 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 61.802 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 62.542 ms

Loss rate: 3.43%

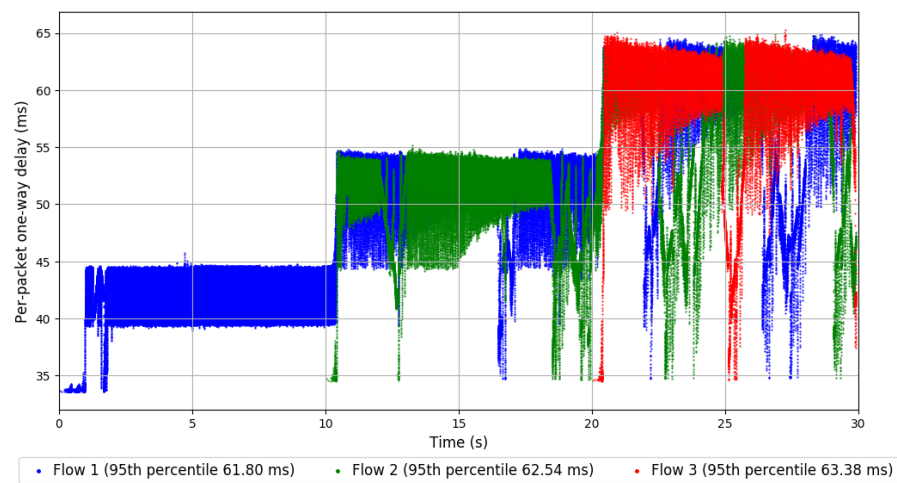
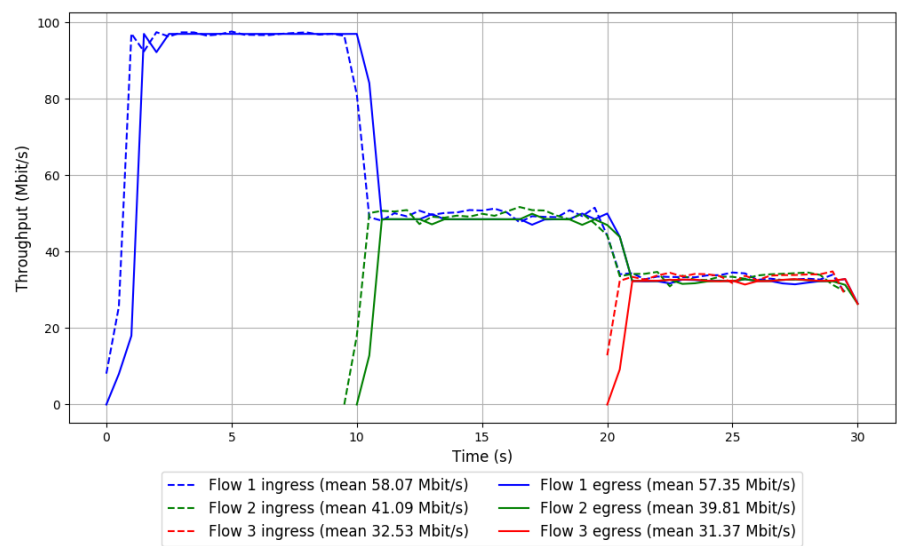
-- Flow 3:

Average throughput: 31.37 Mbit/s

95th percentile per-packet one-way delay: 63.385 ms

Loss rate: 4.18%

Run 5: Report of FillP — Data Link

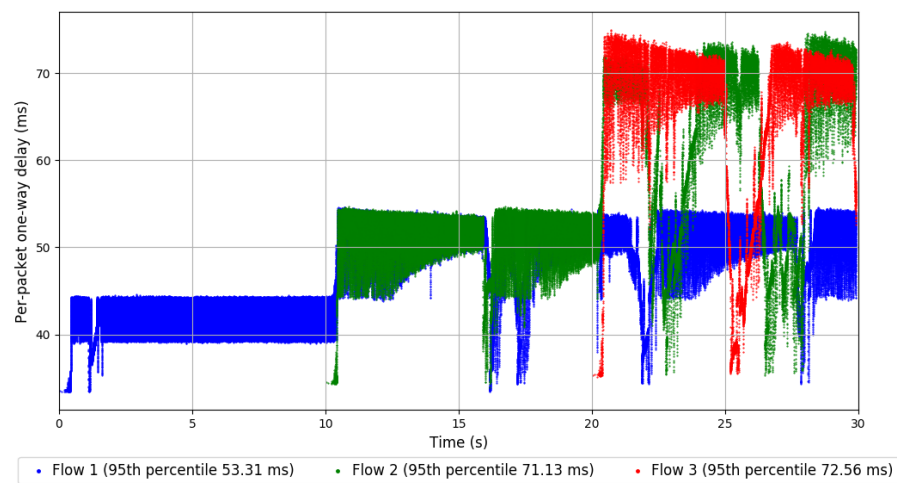
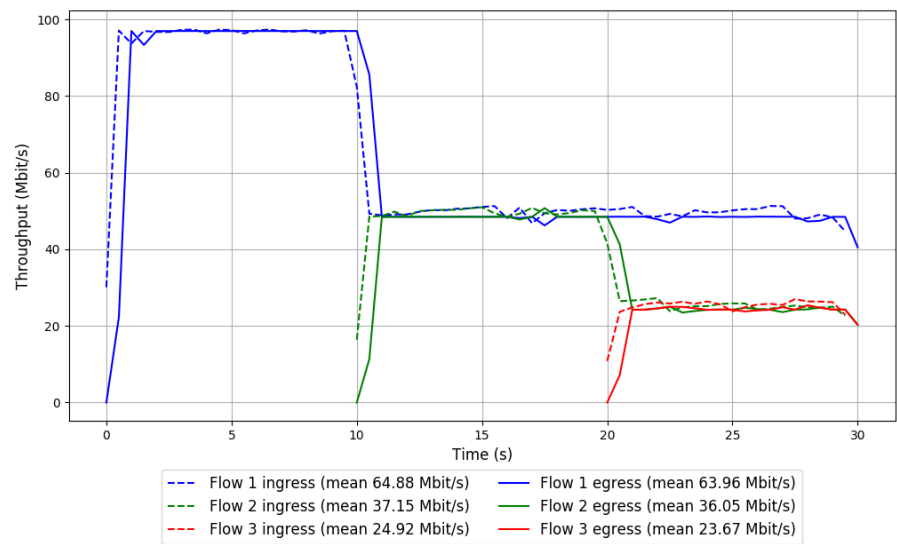


Run 6: Statistics of FillP

Start at: 2018-08-22 21:00:26
End at: 2018-08-22 21:00:56
Local clock offset: -3.196 ms
Remote clock offset: -0.616 ms

Below is generated by plot.py at 2018-08-22 22:59:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 70.150 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 53.309 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 71.131 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 72.555 ms
Loss rate: 5.60%

Run 6: Report of FillP — Data Link

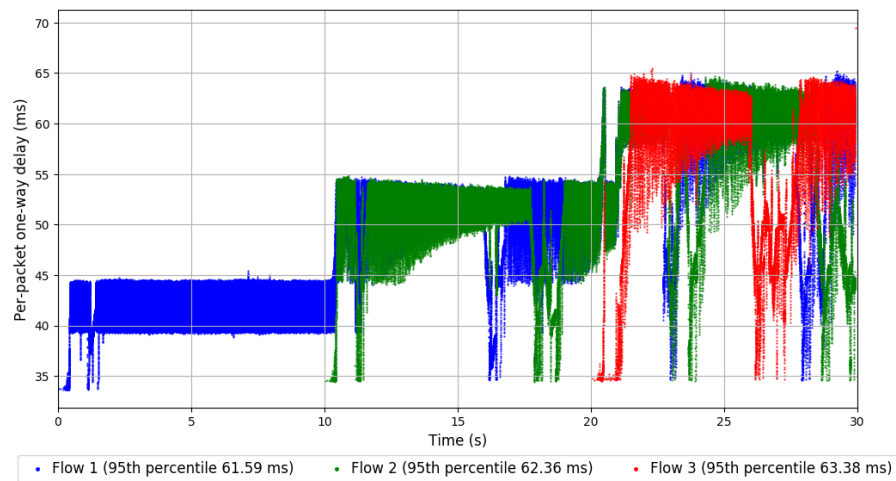
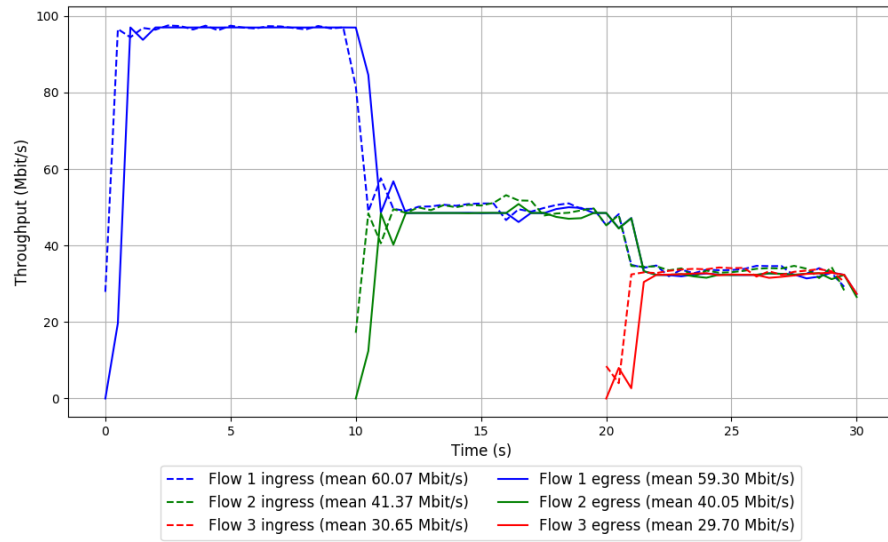


Run 7: Statistics of FillP

Start at: 2018-08-22 21:23:19
End at: 2018-08-22 21:23:49
Local clock offset: -4.247 ms
Remote clock offset: -1.912 ms

Below is generated by plot.py at 2018-08-22 22:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 62.354 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 62.357 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 63.381 ms
Loss rate: 3.79%

Run 7: Report of FillP — Data Link

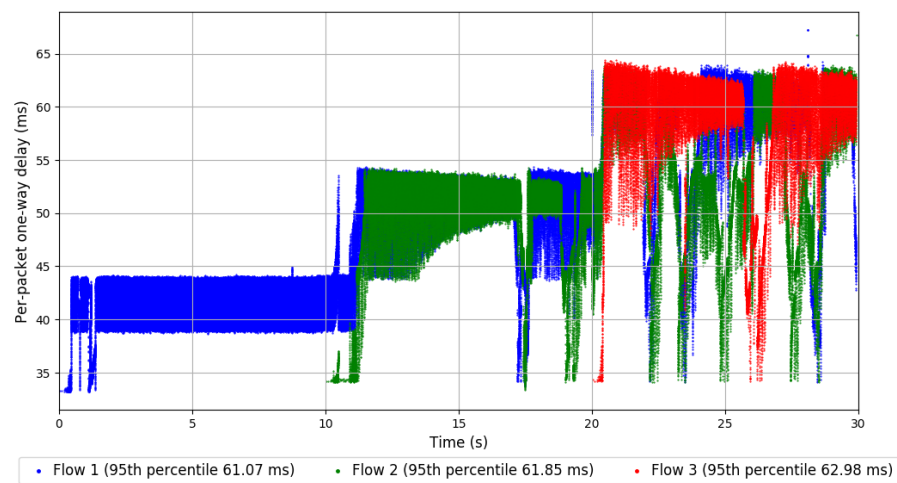
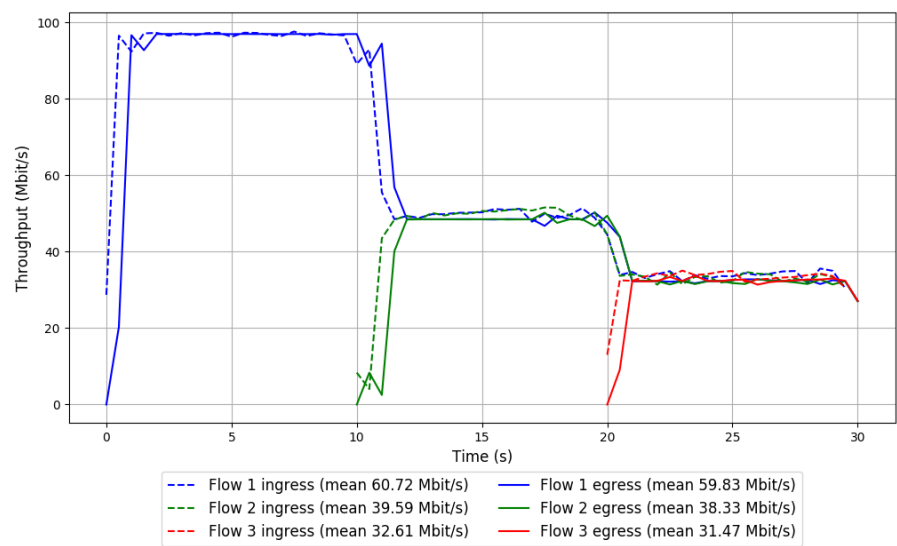


Run 8: Statistics of FillP

Start at: 2018-08-22 21:46:11
End at: 2018-08-22 21:46:41
Local clock offset: -1.111 ms
Remote clock offset: -1.508 ms

Below is generated by plot.py at 2018-08-22 23:00:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 61.882 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 61.851 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 62.975 ms
Loss rate: 4.21%

Run 8: Report of FillP — Data Link

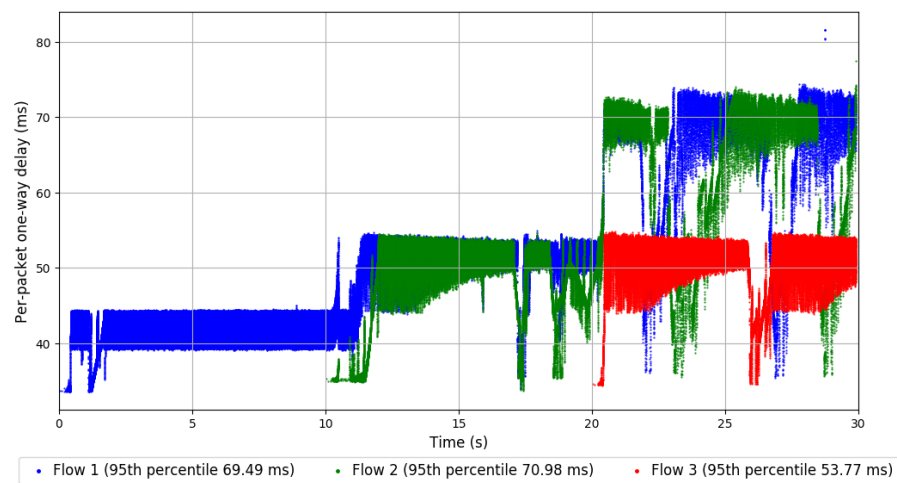
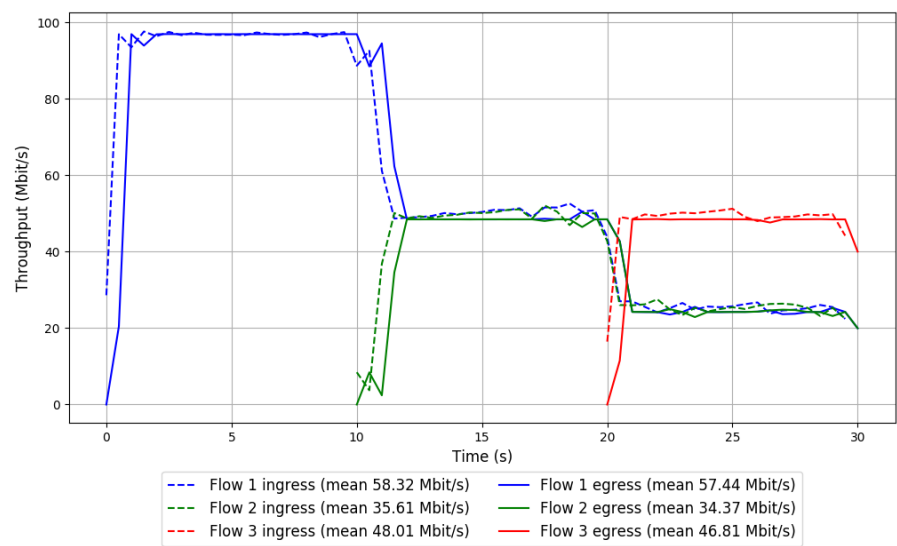


Run 9: Statistics of FillP

Start at: 2018-08-22 22:09:29
End at: 2018-08-22 22:09:59
Local clock offset: 1.11 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2018-08-22 23:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 69.841 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 70.978 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 3.19%

Run 9: Report of FillP — Data Link

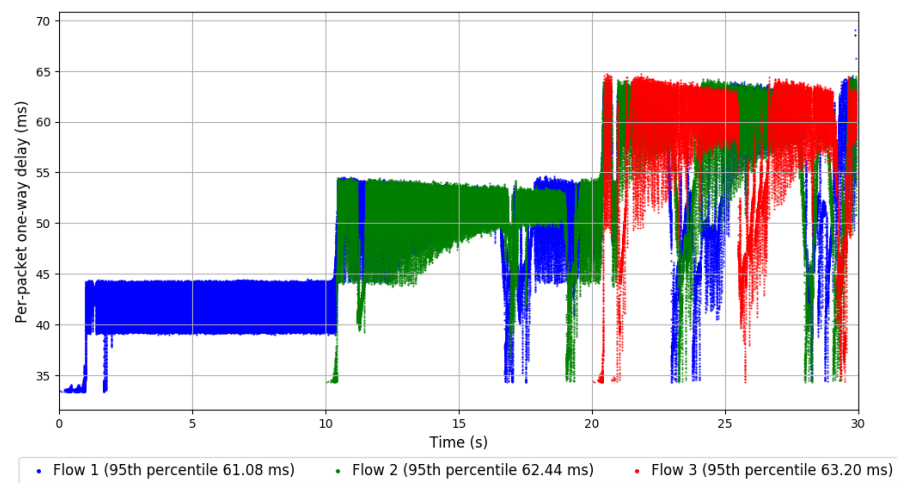
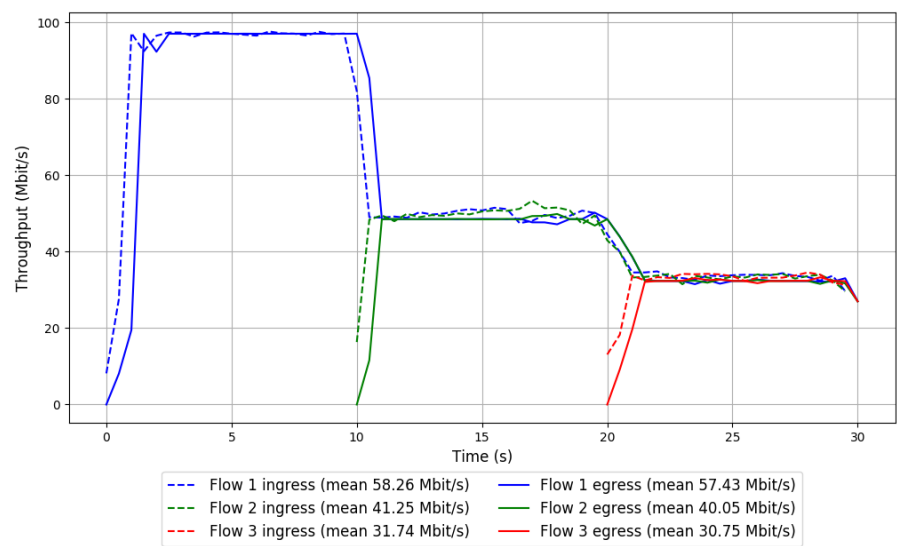


Run 10: Statistics of FillP

Start at: 2018-08-22 22:32:30
End at: 2018-08-22 22:33:00
Local clock offset: 0.734 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2018-08-22 23:01:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 62.244 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 61.082 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 62.442 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 63.205 ms
Loss rate: 3.88%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 19:17:43

End at: 2018-08-22 19:18:13

Local clock offset: -0.076 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-22 23:01:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 54.882 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 54.456 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 55.715 ms

Loss rate: 0.73%

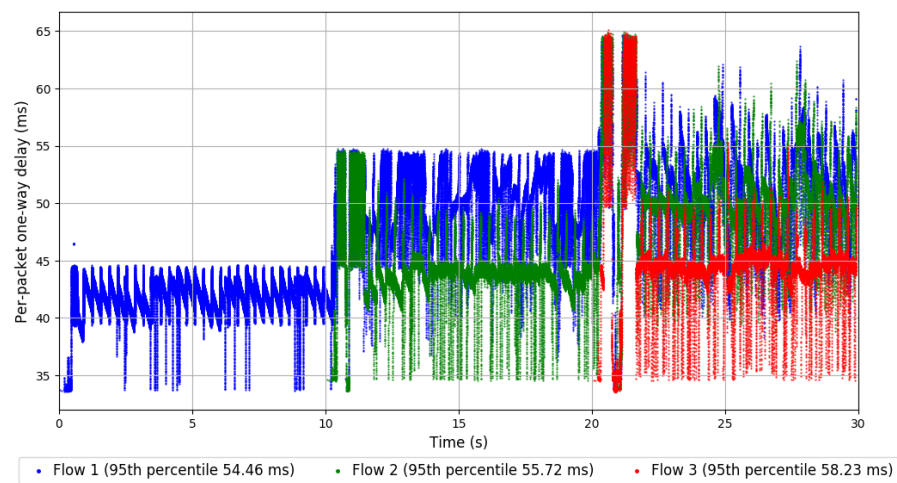
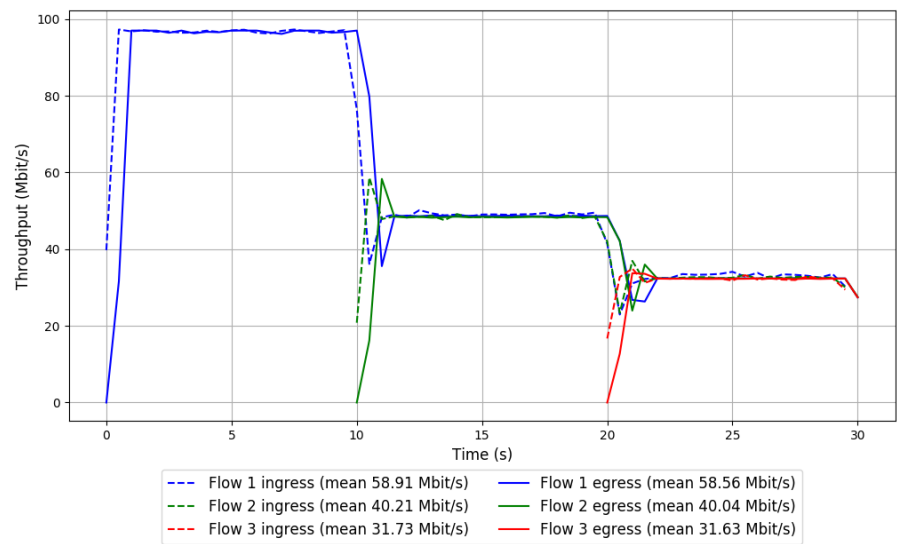
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 58.234 ms

Loss rate: 0.95%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 19:40:46

End at: 2018-08-22 19:41:16

Local clock offset: 0.177 ms

Remote clock offset: 0.742 ms

Below is generated by plot.py at 2018-08-22 23:01:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 54.559 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 54.238 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 54.731 ms

Loss rate: 0.63%

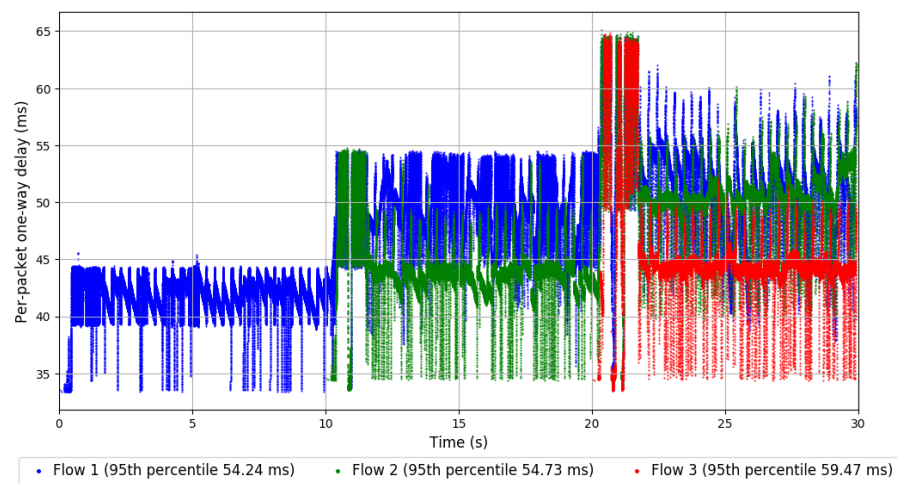
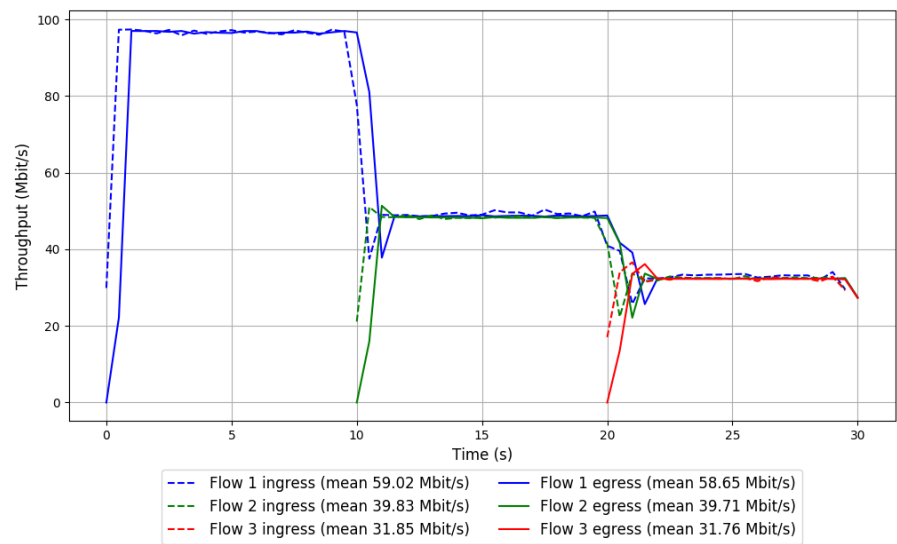
-- Flow 3:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 59.474 ms

Loss rate: 0.94%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 20:03:45

End at: 2018-08-22 20:04:15

Local clock offset: 0.503 ms

Remote clock offset: 0.996 ms

Below is generated by plot.py at 2018-08-22 23:01:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 58.71 Mbit/s

95th percentile per-packet one-way delay: 54.053 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 54.399 ms

Loss rate: 0.74%

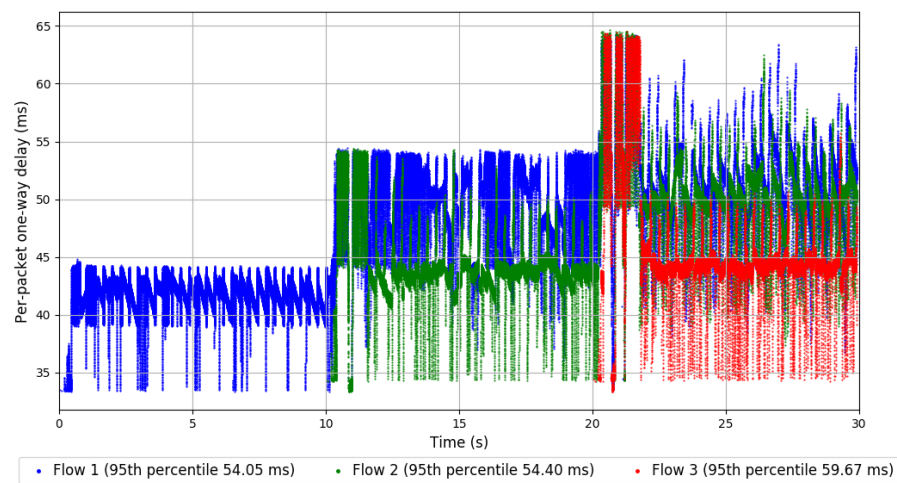
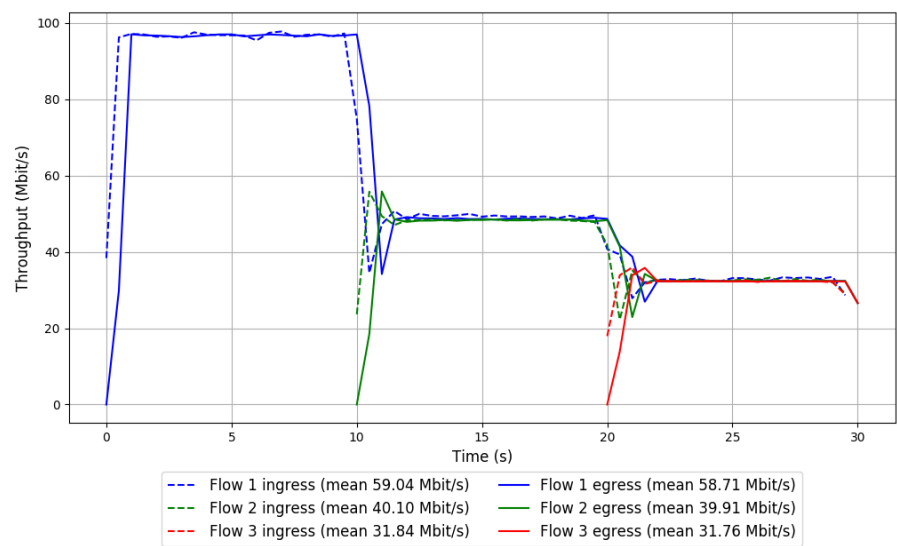
-- Flow 3:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 59.669 ms

Loss rate: 0.92%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 20:26:40

End at: 2018-08-22 20:27:10

Local clock offset: 0.346 ms

Remote clock offset: 0.301 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 55.189 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 55.335 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 54.267 ms

Loss rate: 0.64%

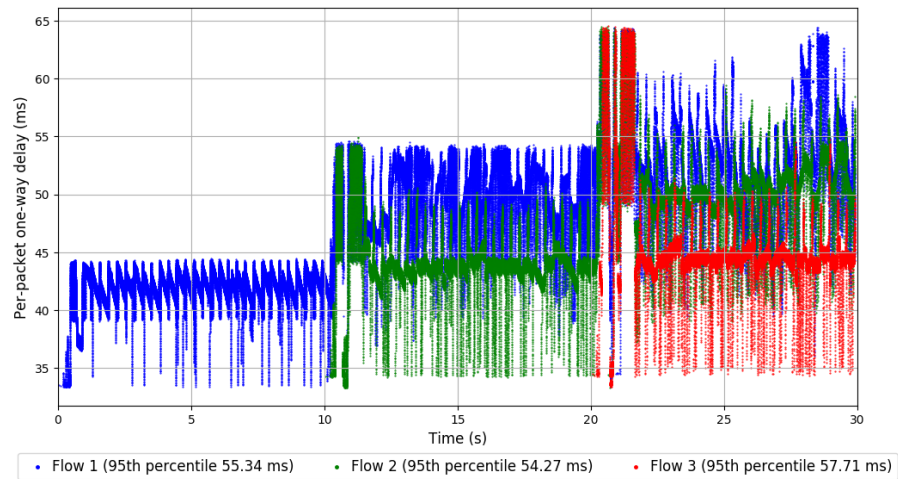
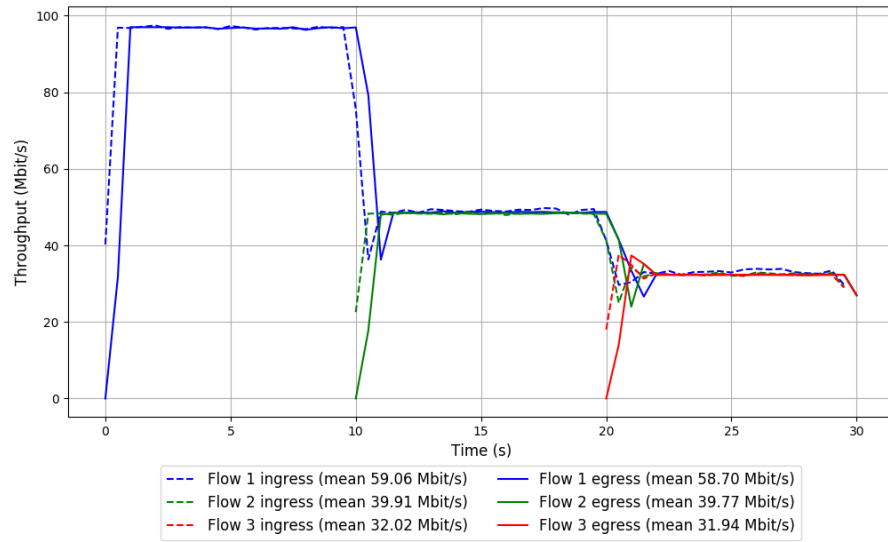
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 57.709 ms

Loss rate: 0.91%

Run 4: Report of FillP-Sheep — Data Link

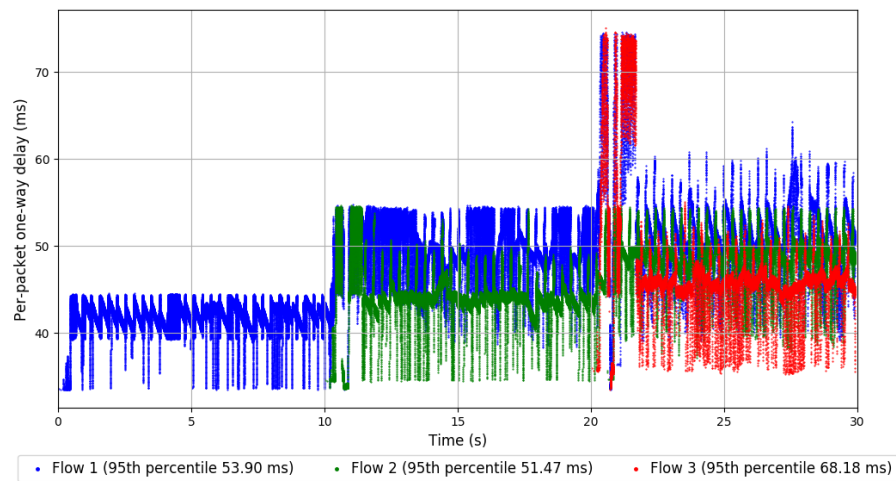
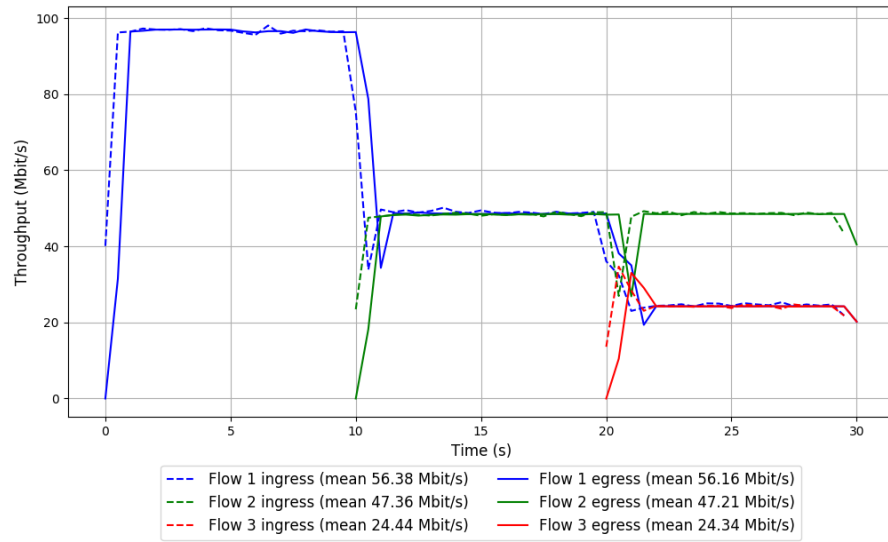


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 20:49:43
End at: 2018-08-22 20:50:13
Local clock offset: -2.354 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-08-22 23:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 53.903 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 51.468 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 68.177 ms
Loss rate: 1.05%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 21:12:40

End at: 2018-08-22 21:13:10

Local clock offset: -3.695 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2018-08-22 23:01:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 53.901 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 54.456 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 51.904 ms

Loss rate: 0.64%

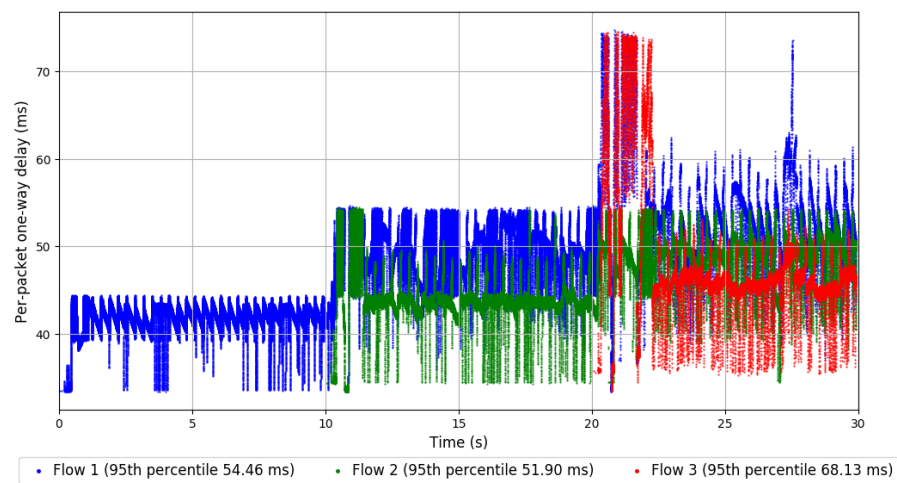
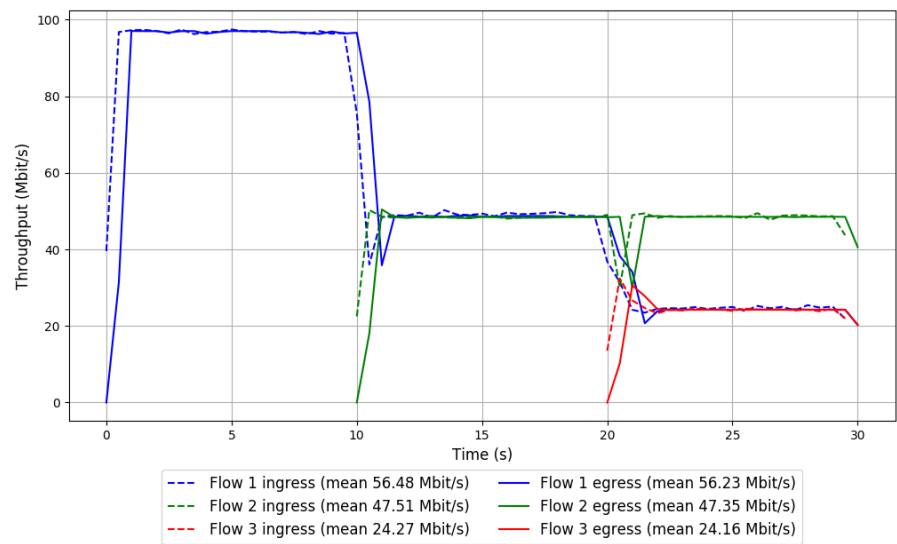
-- Flow 3:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 68.130 ms

Loss rate: 1.11%

Run 6: Report of FillP-Sheep — Data Link

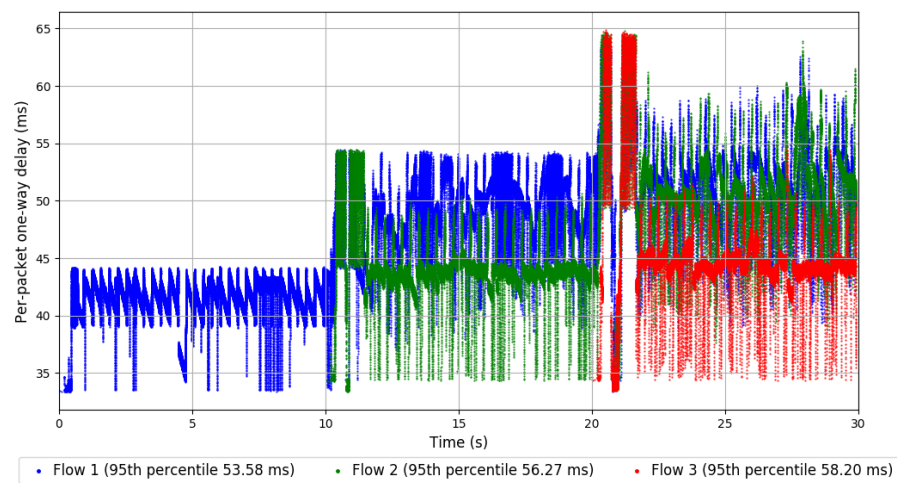
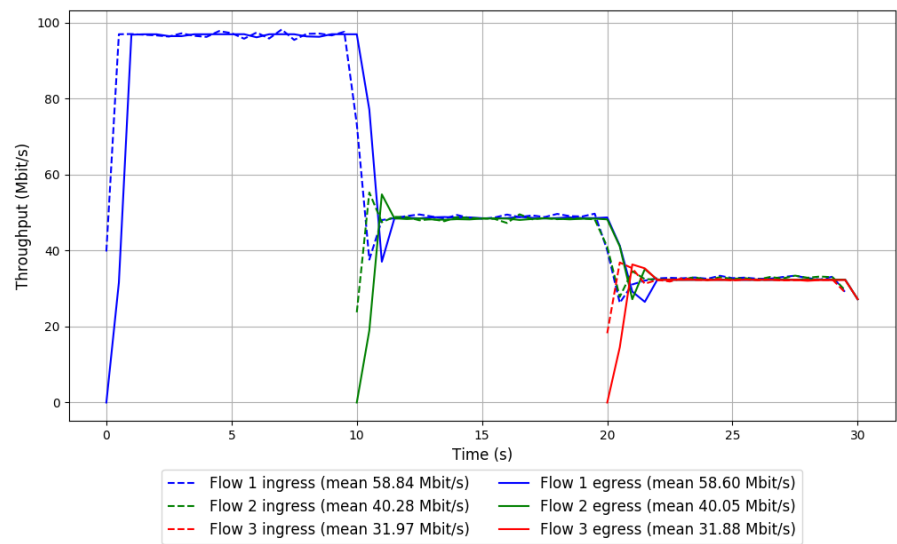


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 21:35:34
End at: 2018-08-22 21:36:04
Local clock offset: -4.891 ms
Remote clock offset: -2.043 ms

Below is generated by plot.py at 2018-08-22 23:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 53.582 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 56.265 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 58.204 ms
Loss rate: 0.86%

Run 7: Report of FillP-Sheep — Data Link

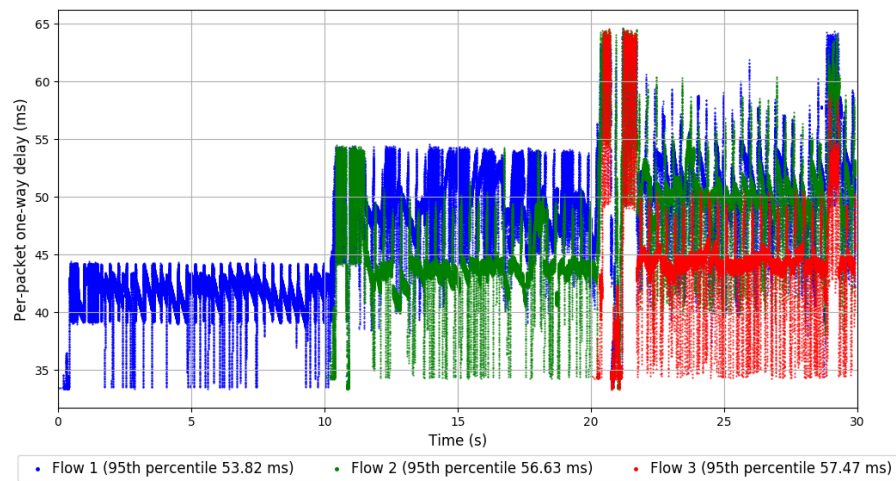
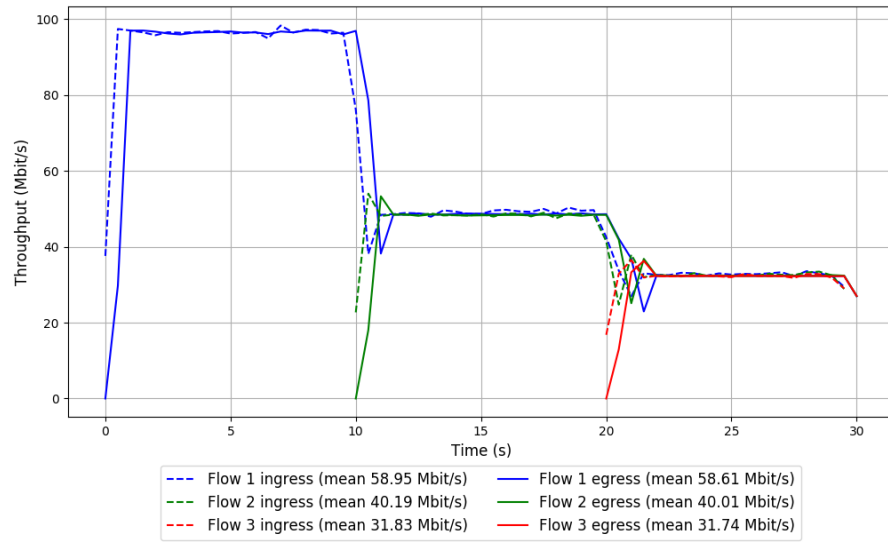


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 21:58:49
End at: 2018-08-22 21:59:19
Local clock offset: 0.668 ms
Remote clock offset: -0.994 ms

Below is generated by plot.py at 2018-08-22 23:02:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 54.535 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 53.818 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 56.629 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 57.473 ms
Loss rate: 0.89%

Run 8: Report of FillP-Sheep — Data Link

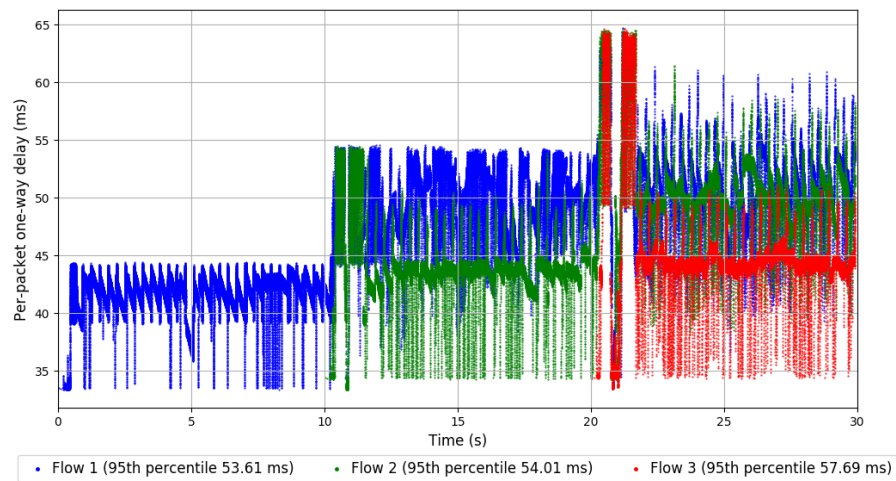
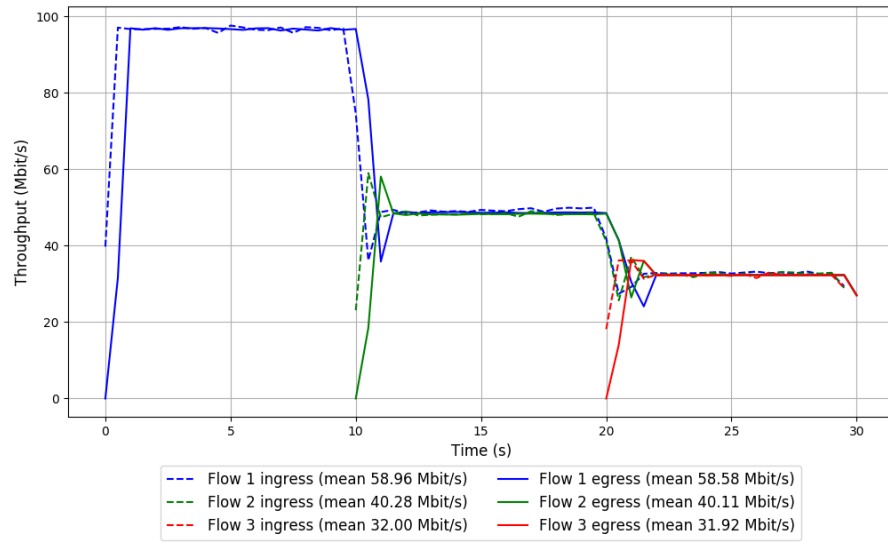


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 22:21:50
End at: 2018-08-22 22:22:20
Local clock offset: 0.679 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-08-22 23:02:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 53.764 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 53.611 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 54.006 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 57.689 ms
Loss rate: 0.87%

Run 9: Report of FillP-Sheep — Data Link

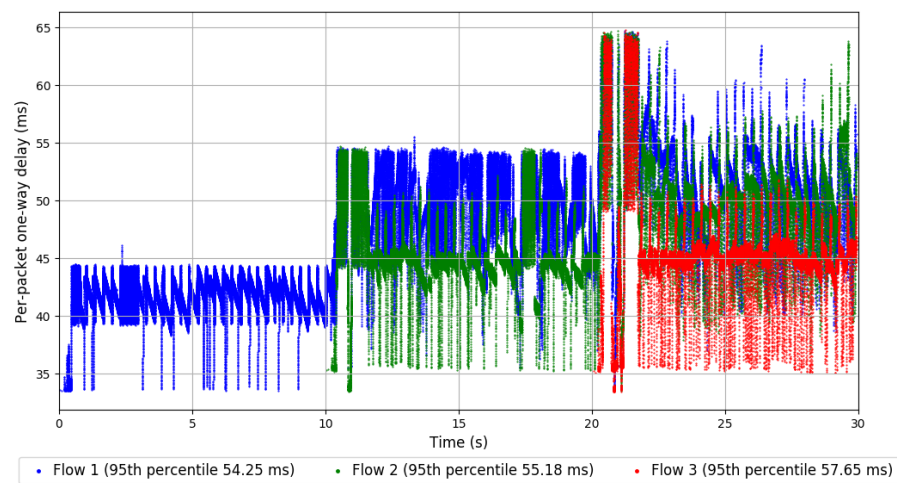
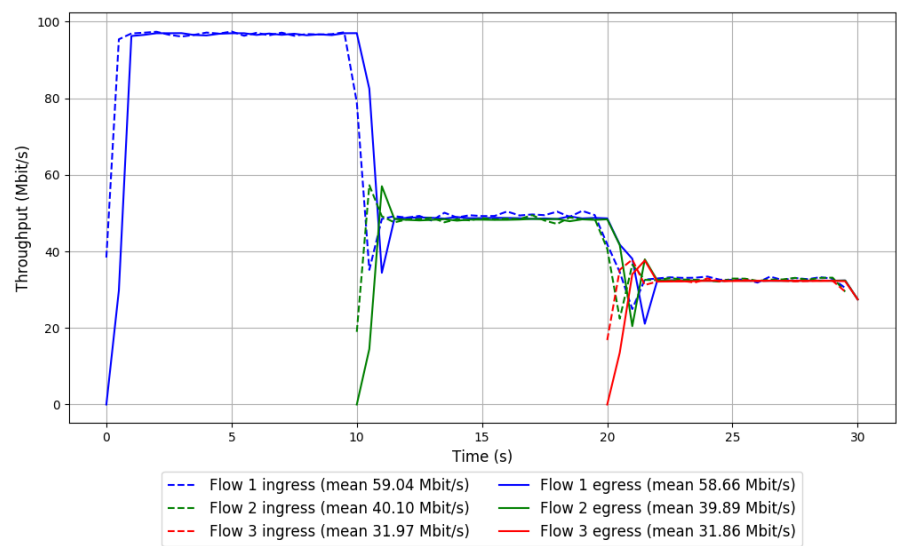


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 22:44:54
End at: 2018-08-22 22:45:24
Local clock offset: 0.627 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-08-22 23:02:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 54.536 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 54.246 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 55.184 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 0.98%

Run 10: Report of FillP-Sheep — Data Link

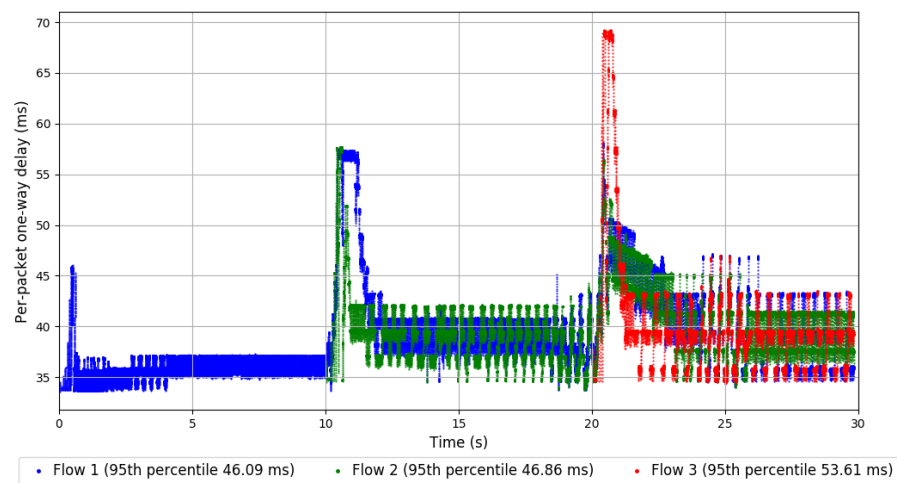
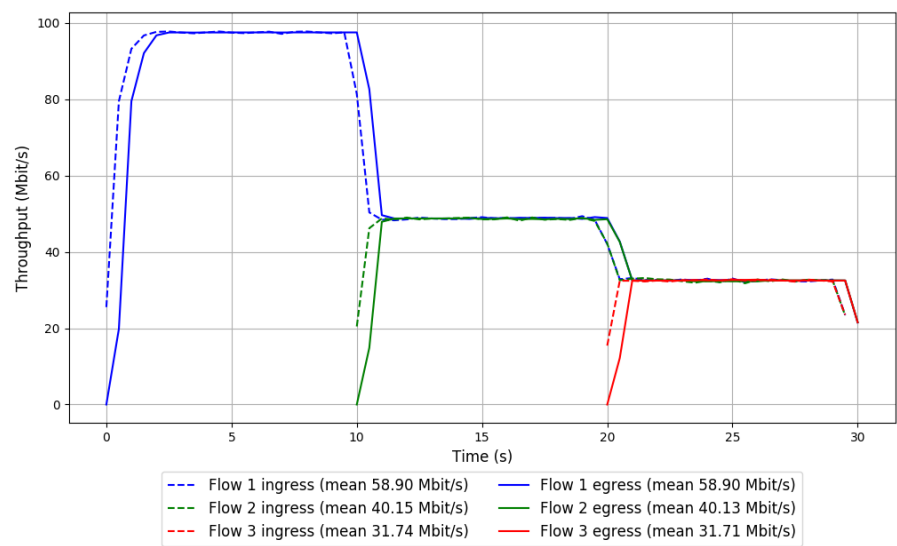


```
Run 1: Statistics of Indigo

Start at: 2018-08-22 19:01:32
End at: 2018-08-22 19:02:02
Local clock offset: -0.185 ms
Remote clock offset: -0.769 ms

# Below is generated by plot.py at 2018-08-22 23:02:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 46.526 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 46.094 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 46.862 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 53.606 ms
Loss rate: 0.75%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-22 19:24:27

End at: 2018-08-22 19:24:57

Local clock offset: -0.017 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-08-22 23:02:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 47.411 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 59.03 Mbit/s

95th percentile per-packet one-way delay: 46.326 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 47.481 ms

Loss rate: 0.44%

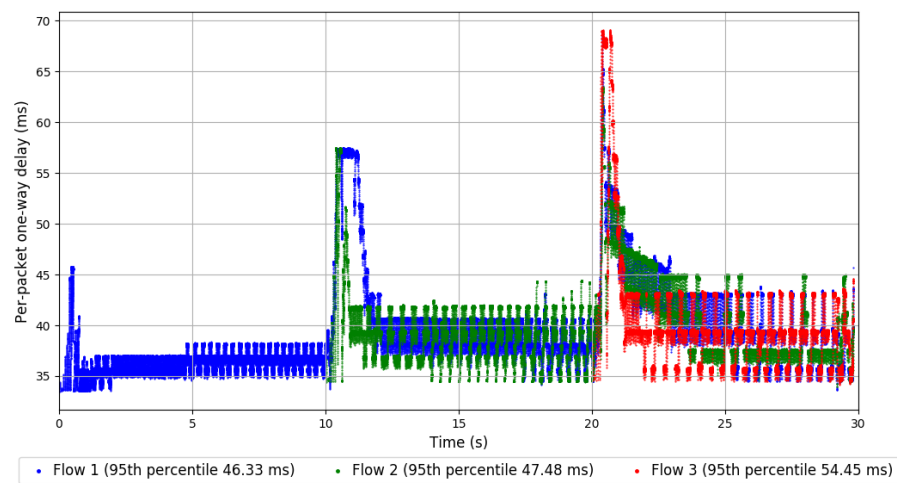
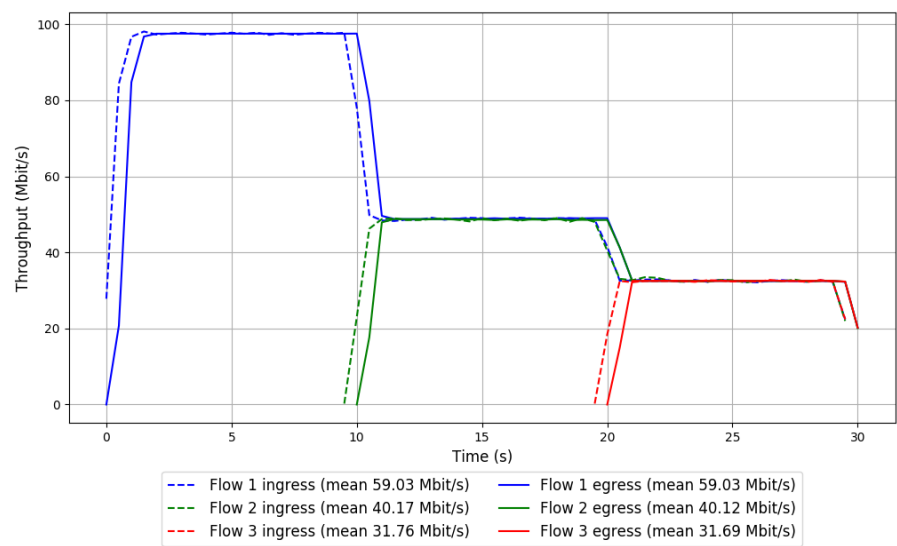
-- Flow 3:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 54.445 ms

Loss rate: 0.89%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 19:47:32

End at: 2018-08-22 19:48:02

Local clock offset: 0.275 ms

Remote clock offset: 1.002 ms

Below is generated by plot.py at 2018-08-22 23:02:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 46.662 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 46.850 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 46.248 ms

Loss rate: 0.42%

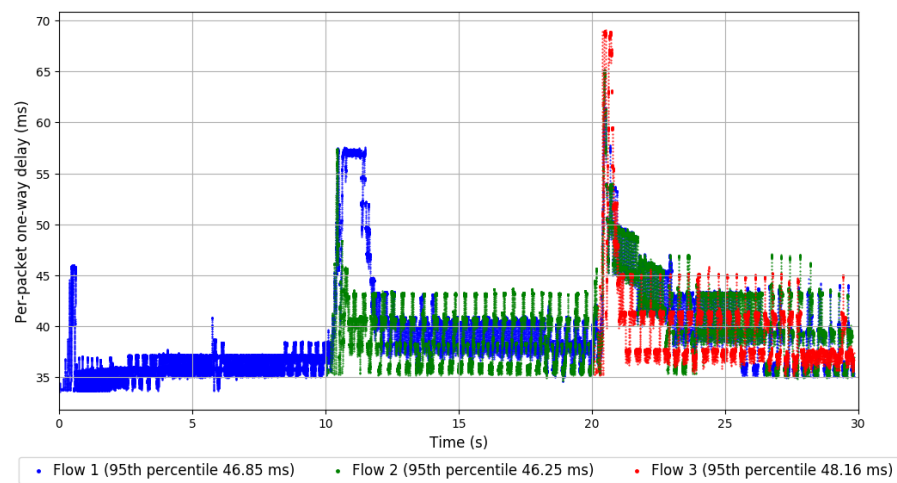
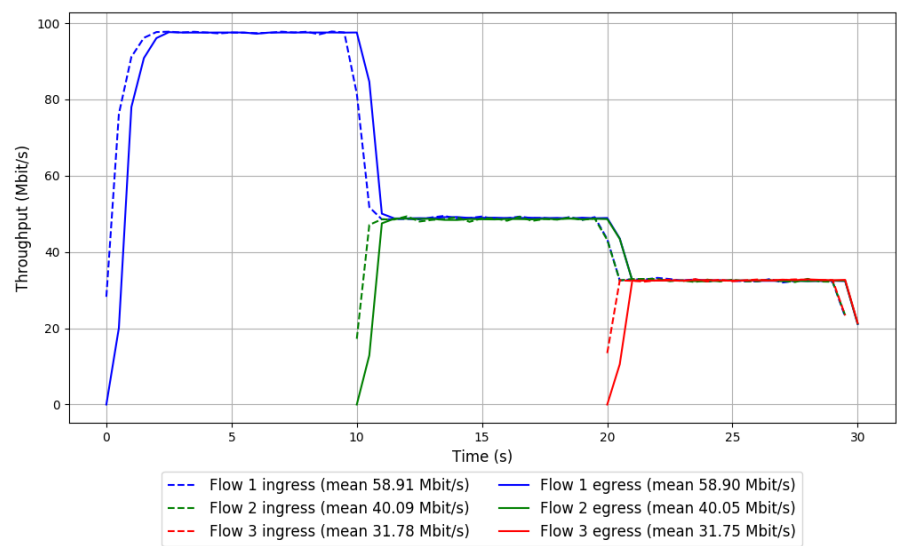
-- Flow 3:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 48.158 ms

Loss rate: 0.75%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-22 20:10:28

End at: 2018-08-22 20:10:58

Local clock offset: 0.451 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-08-22 23:02:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 45.651 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 64.30 Mbit/s

95th percentile per-packet one-way delay: 40.926 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 36.44 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 0.42%

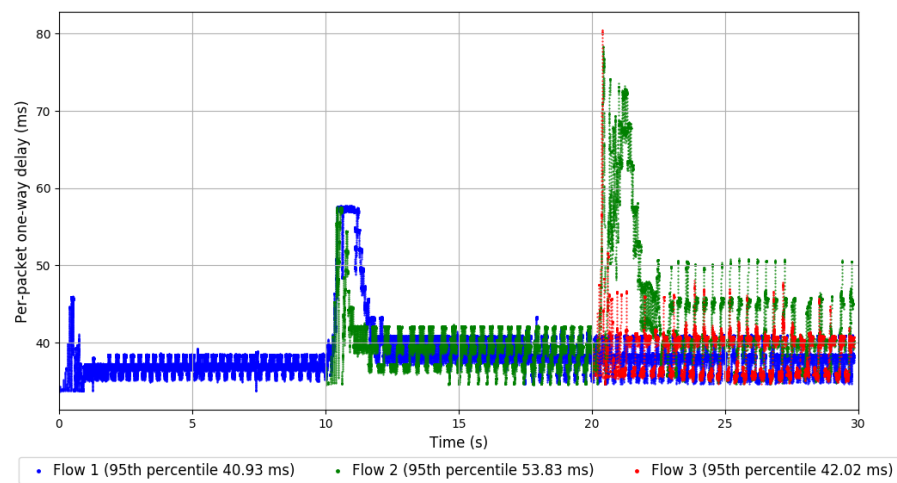
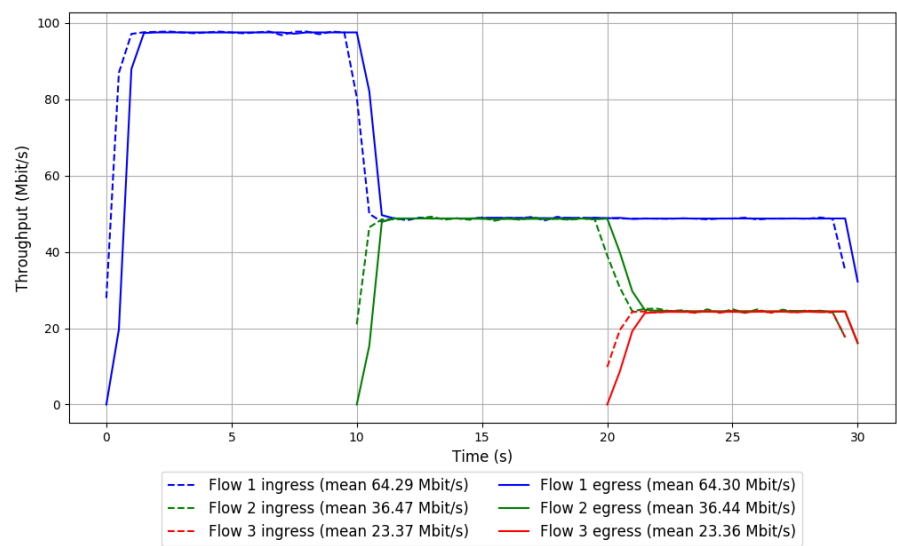
-- Flow 3:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 42.019 ms

Loss rate: 0.70%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-22 20:33:31

End at: 2018-08-22 20:34:01

Local clock offset: 0.451 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2018-08-22 23:03:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 46.315 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 46.401 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 46.280 ms

Loss rate: 0.37%

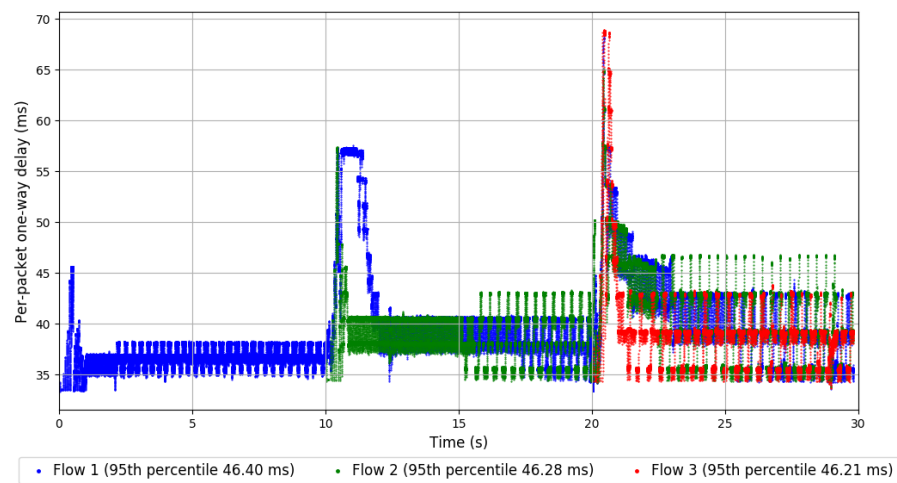
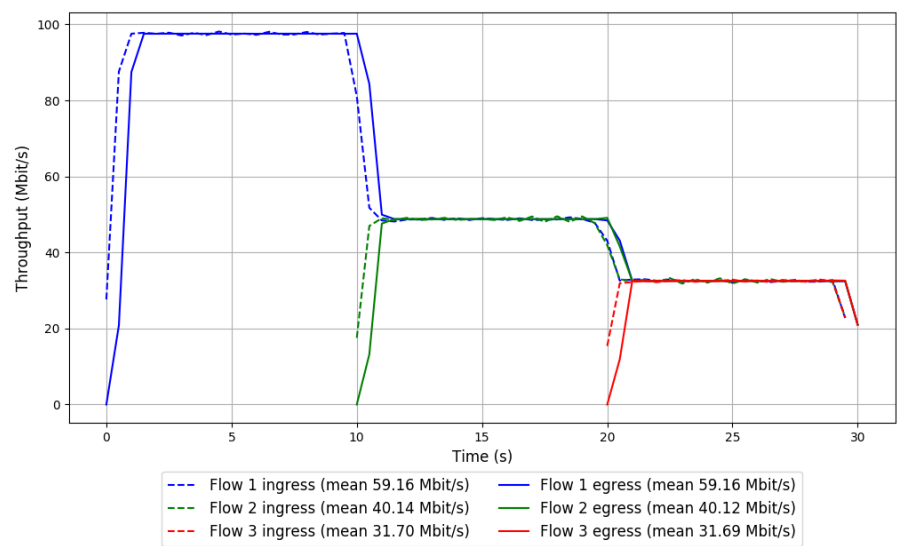
-- Flow 3:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 46.210 ms

Loss rate: 0.70%

Run 5: Report of Indigo — Data Link

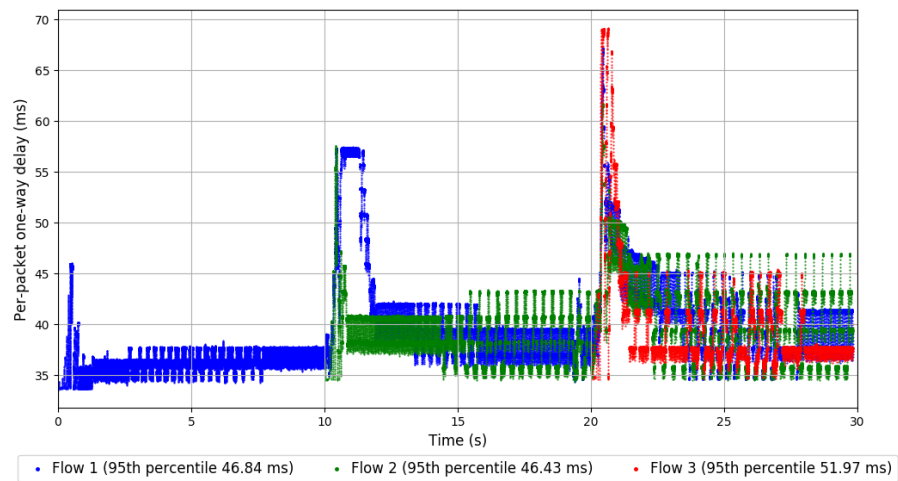
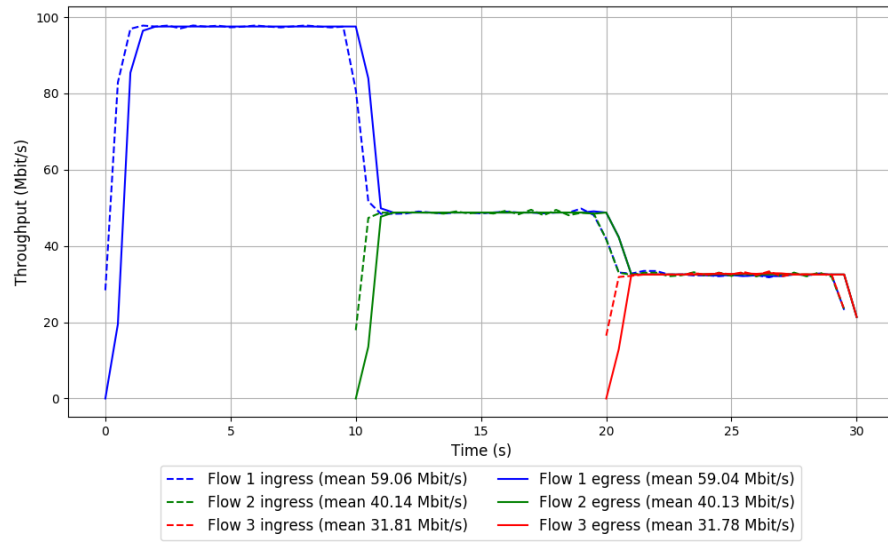


Run 6: Statistics of Indigo

Start at: 2018-08-22 20:56:29
End at: 2018-08-22 20:56:59
Local clock offset: -2.949 ms
Remote clock offset: -0.547 ms

Below is generated by plot.py at 2018-08-22 23:03:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 46.745 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 46.837 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 46.427 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 51.968 ms
Loss rate: 0.74%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-22 21:19:24

End at: 2018-08-22 21:19:54

Local clock offset: -3.987 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-08-22 23:03:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 44.367 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 40.742 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.26 Mbit/s

95th percentile per-packet one-way delay: 47.303 ms

Loss rate: 0.33%

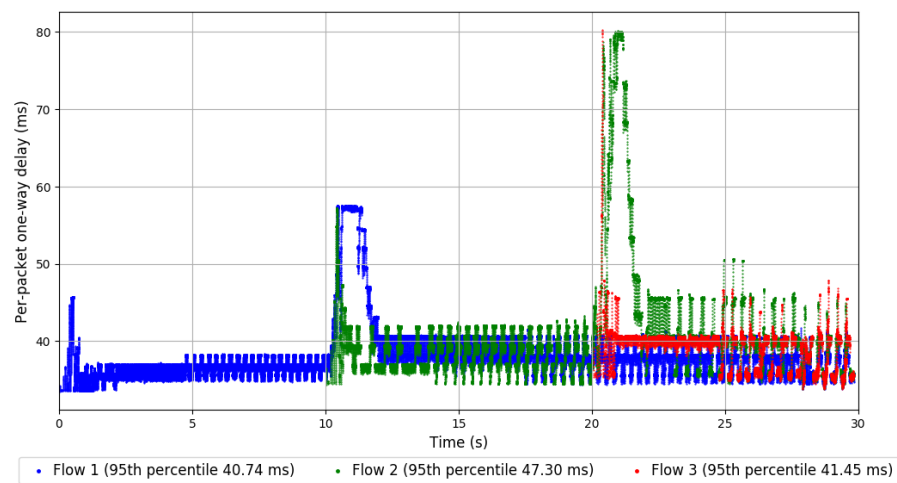
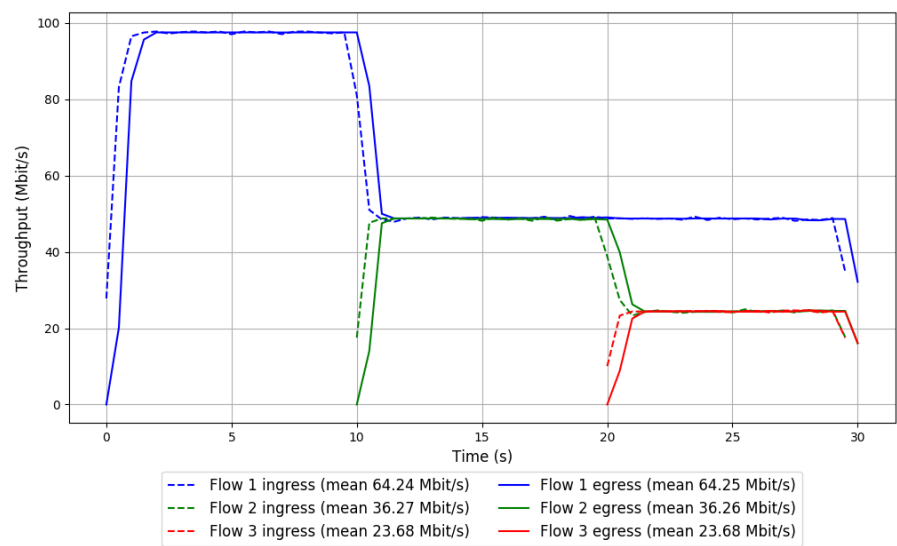
-- Flow 3:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 41.449 ms

Loss rate: 0.69%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-22 21:42:16

End at: 2018-08-22 21:42:46

Local clock offset: -2.315 ms

Remote clock offset: -2.09 ms

Below is generated by plot.py at 2018-08-22 23:03:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 46.137 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 59.03 Mbit/s

95th percentile per-packet one-way delay: 46.787 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 45.628 ms

Loss rate: 0.33%

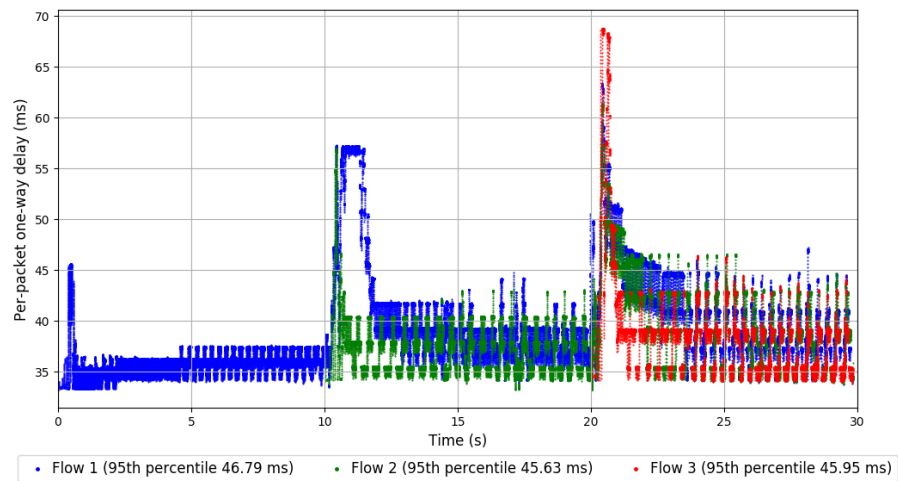
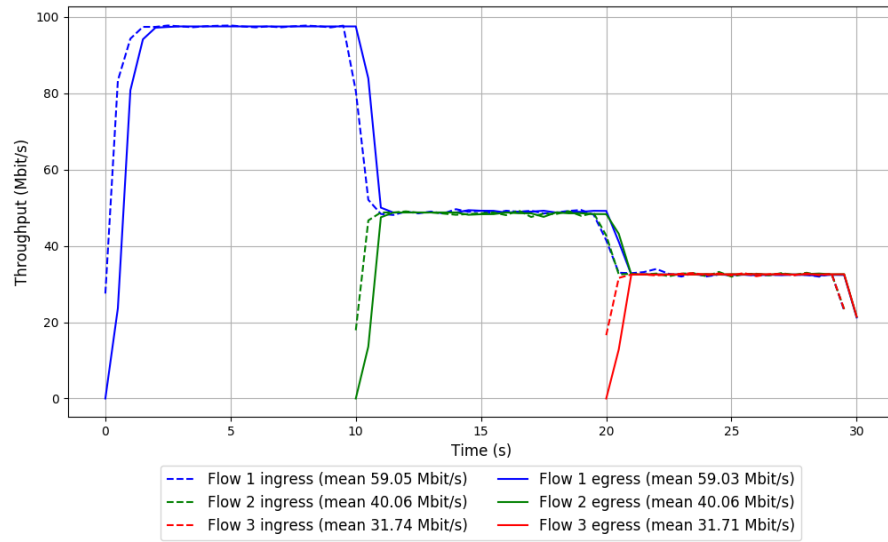
-- Flow 3:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 45.952 ms

Loss rate: 0.74%

Run 8: Report of Indigo — Data Link

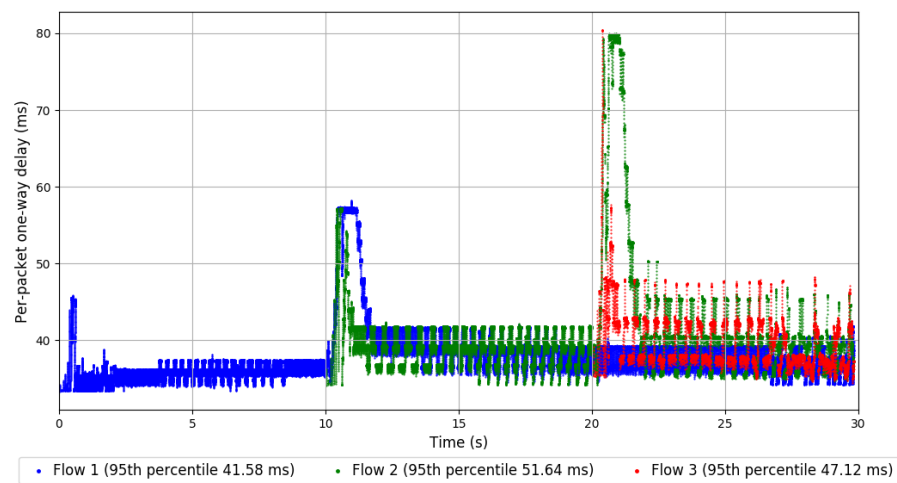
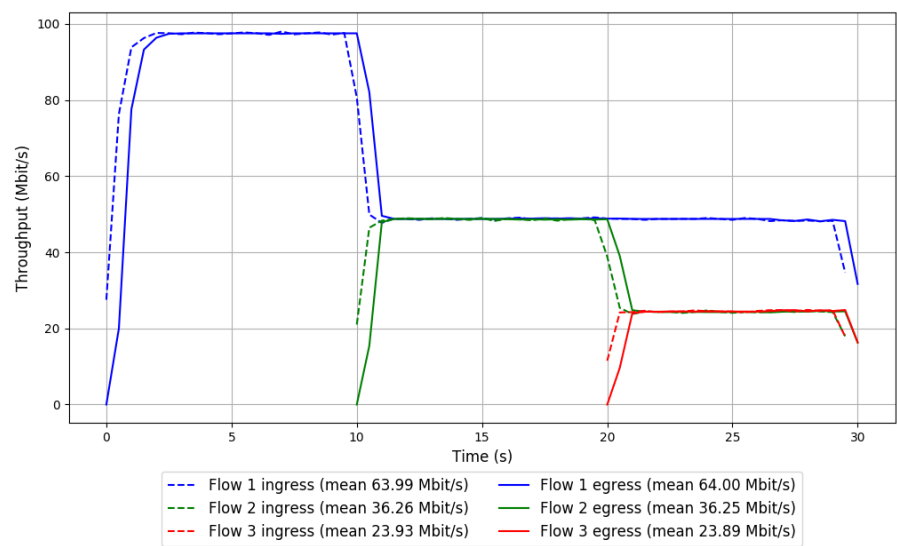


Run 9: Statistics of Indigo

Start at: 2018-08-22 22:05:32
End at: 2018-08-22 22:06:02
Local clock offset: 1.278 ms
Remote clock offset: -0.727 ms

Below is generated by plot.py at 2018-08-22 23:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 45.156 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 41.578 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 51.639 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 47.120 ms
Loss rate: 0.82%

Run 9: Report of Indigo — Data Link

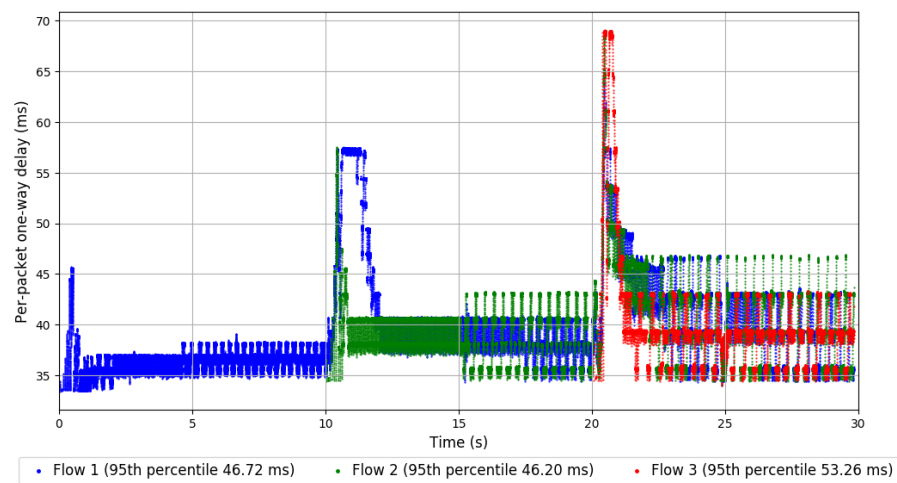
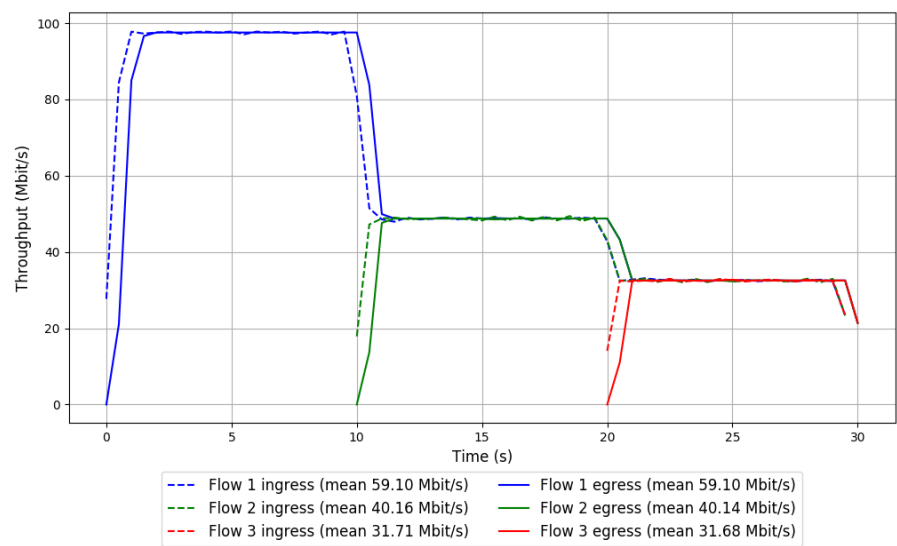


Run 10: Statistics of Indigo

Start at: 2018-08-22 22:28:34
End at: 2018-08-22 22:29:04
Local clock offset: 0.674 ms
Remote clock offset: -0.682 ms

Below is generated by plot.py at 2018-08-22 23:03:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 46.573 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 46.718 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 46.199 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 53.257 ms
Loss rate: 0.72%

Run 10: Report of Indigo — Data Link

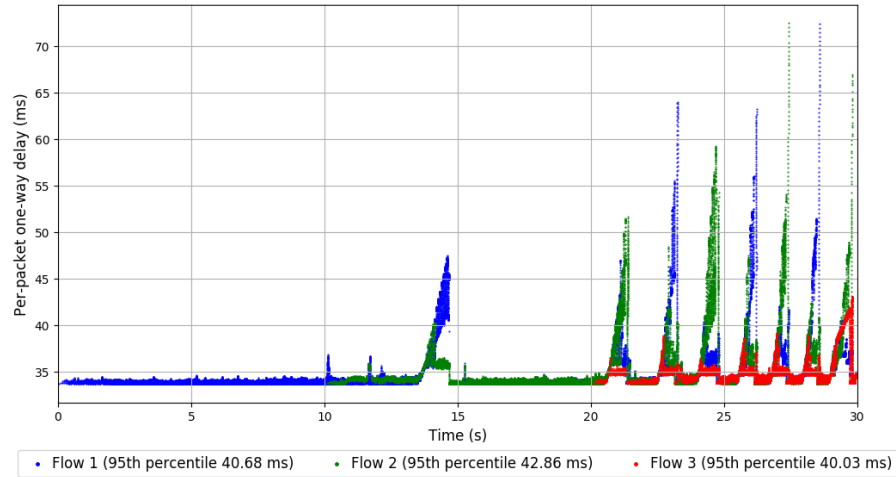
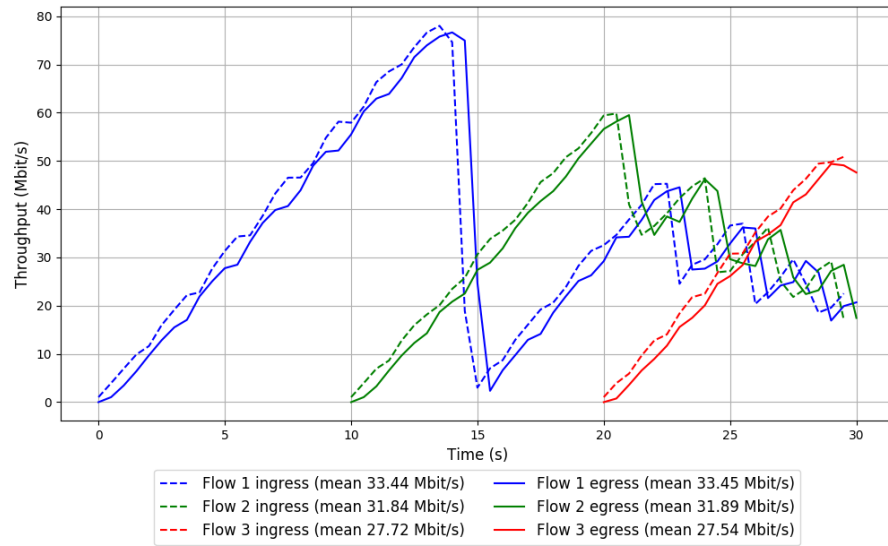


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-22 19:19:04
End at: 2018-08-22 19:19:34
Local clock offset: 0.027 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2018-08-22 23:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 41.007 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 40.684 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 42.856 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 40.034 ms
Loss rate: 1.31%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-22 19:42:06

End at: 2018-08-22 19:42:36

Local clock offset: 0.108 ms

Remote clock offset: 0.806 ms

Below is generated by plot.py at 2018-08-22 23:03:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.13 Mbit/s

95th percentile per-packet one-way delay: 42.746 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 43.269 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 42.797 ms

Loss rate: 0.37%

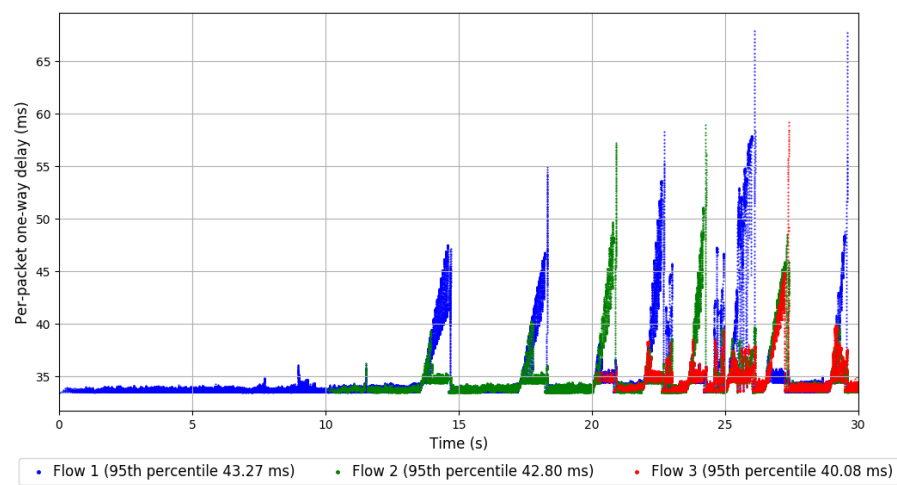
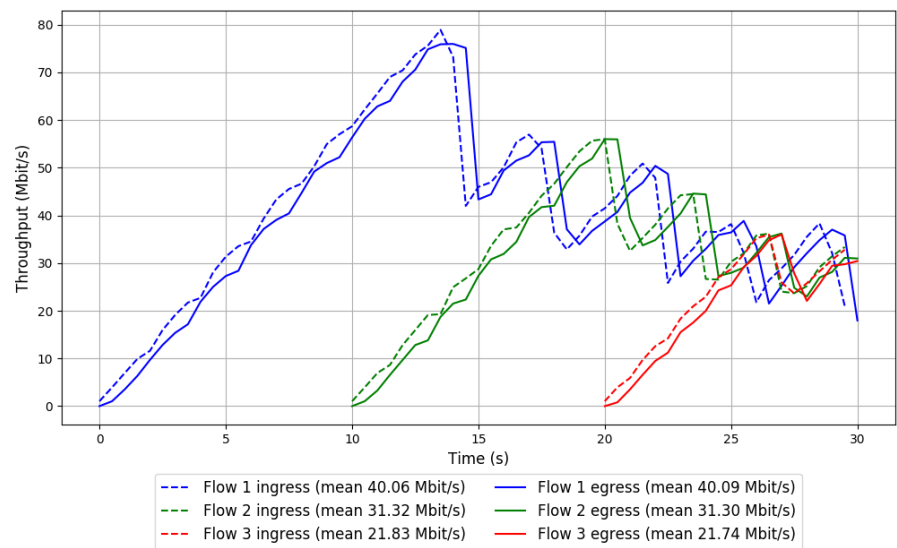
-- Flow 3:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 40.082 ms

Loss rate: 1.06%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

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

End at: 2018-08-22 20:05:35

Local clock offset: 0.433 ms

Remote clock offset: 0.845 ms

Below is generated by plot.py at 2018-08-22 23:04:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 41.207 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 40.549 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 30.73 Mbit/s

95th percentile per-packet one-way delay: 42.954 ms

Loss rate: 0.42%

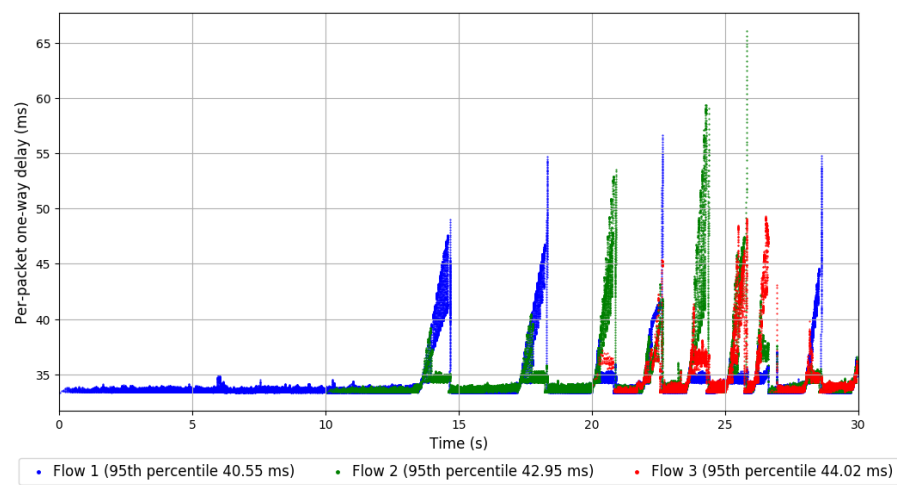
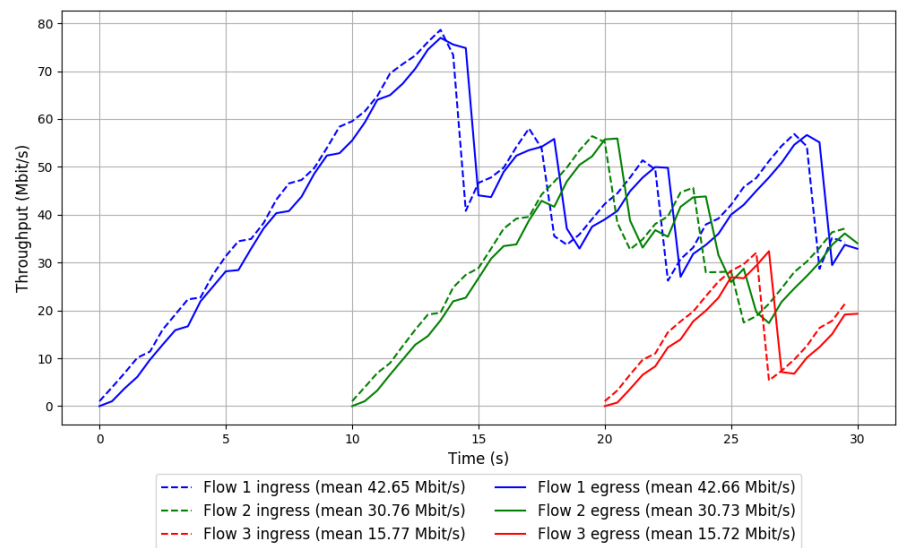
-- Flow 3:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 44.018 ms

Loss rate: 0.99%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: 2018-08-22 20:28:31

Local clock offset: 0.363 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-22 23:04:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.57 Mbit/s

95th percentile per-packet one-way delay: 42.288 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 41.953 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 42.603 ms

Loss rate: 0.39%

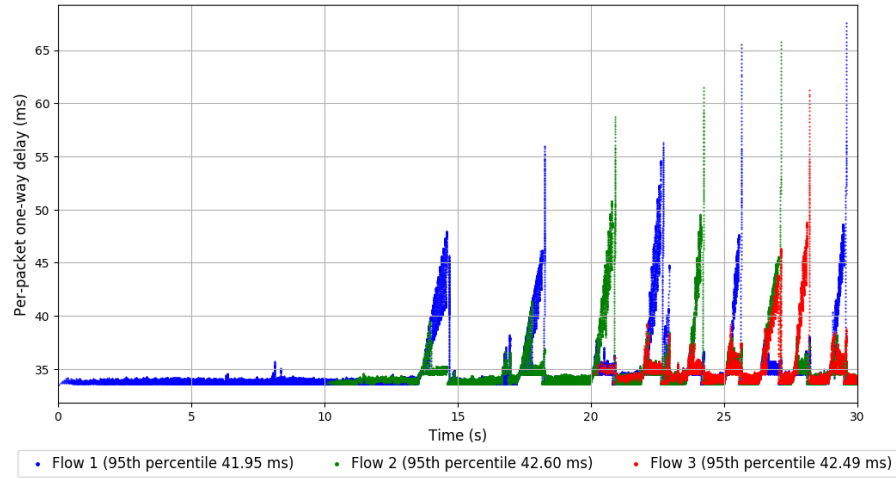
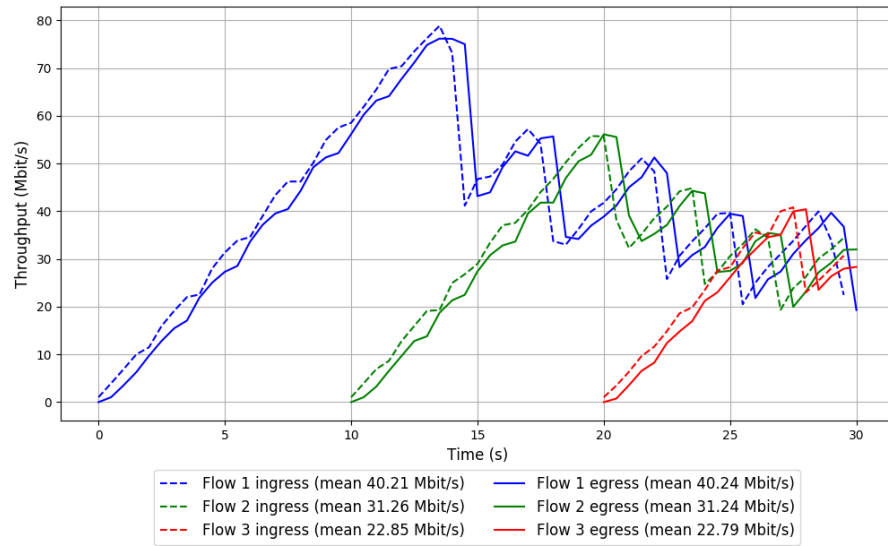
-- Flow 3:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 42.493 ms

Loss rate: 0.94%

Run 4: Report of LEDBAT — Data Link

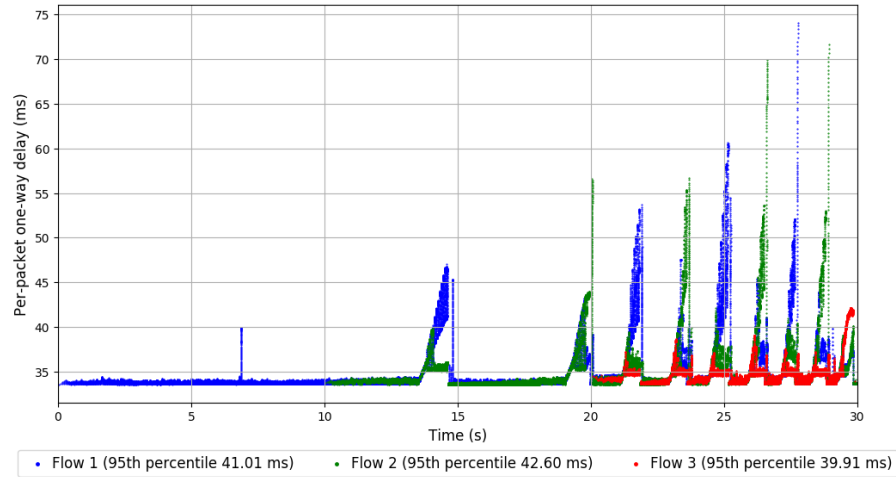
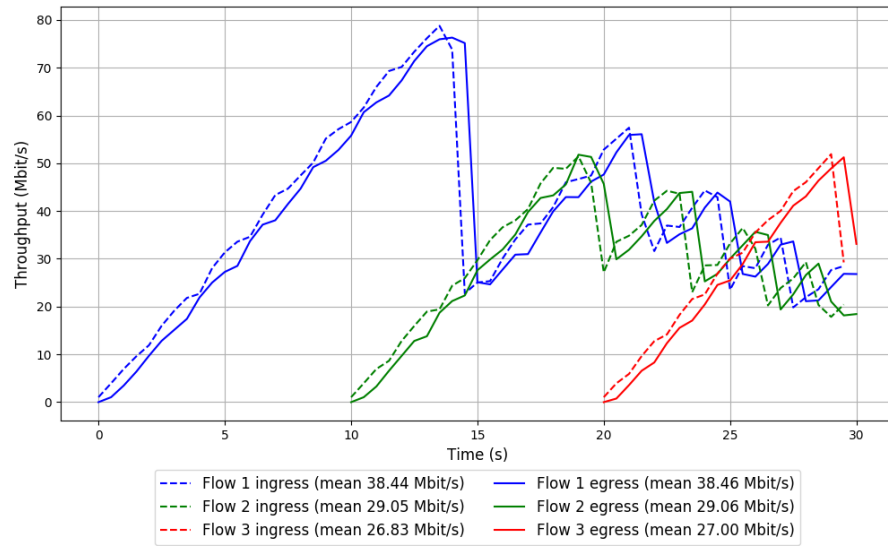


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 20:51:04
End at: 2018-08-22 20:51:34
Local clock offset: -2.473 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-08-22 23:04:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 41.156 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 41.006 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 42.597 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 39.905 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

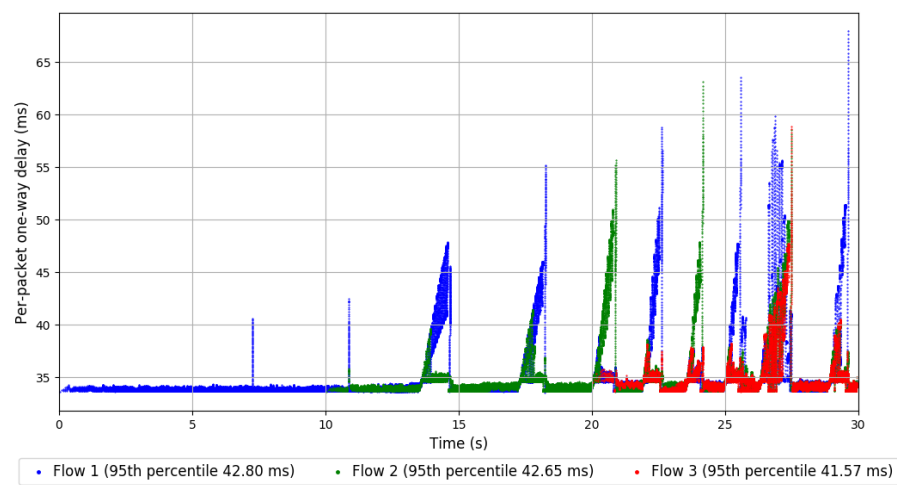
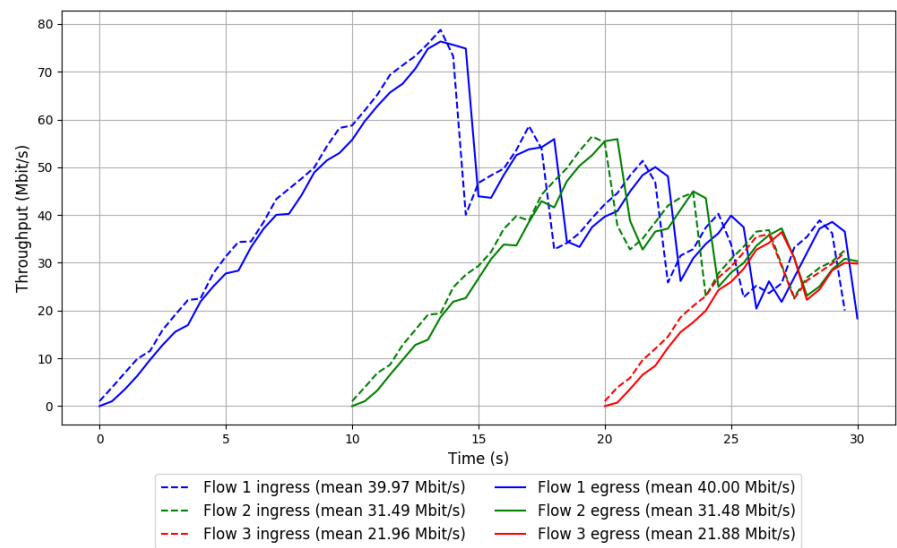


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 21:14:01
End at: 2018-08-22 21:14:31
Local clock offset: -3.829 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-08-22 23:04:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.18 Mbit/s
95th percentile per-packet one-way delay: 42.621 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 42.800 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 42.653 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 41.568 ms
Loss rate: 1.04%

Run 6: Report of LEDBAT — Data Link

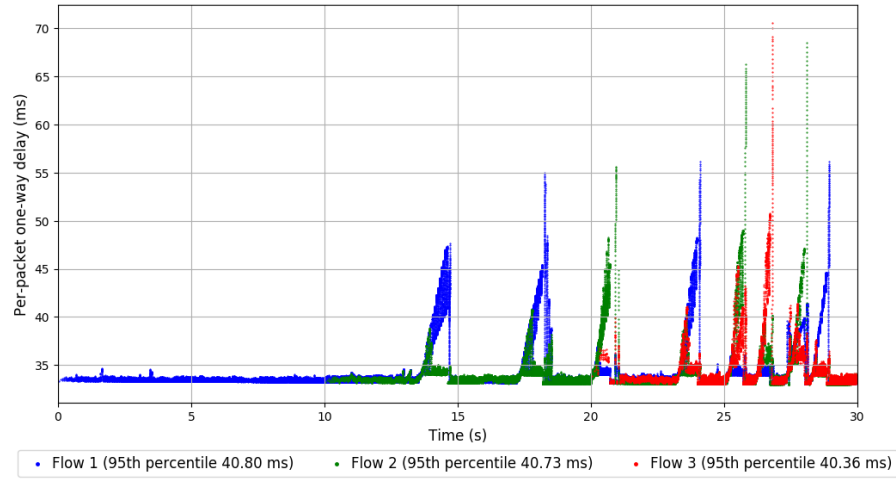
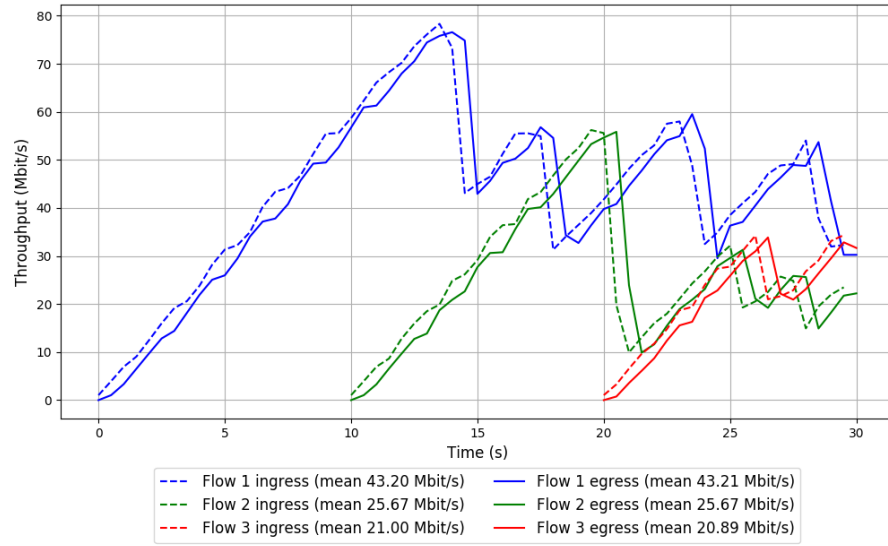


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 21:36:54
End at: 2018-08-22 21:37:24
Local clock offset: -4.894 ms
Remote clock offset: -2.109 ms

Below is generated by plot.py at 2018-08-22 23:04:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 40.688 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 40.799 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 40.726 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 40.363 ms
Loss rate: 1.13%

Run 7: Report of LEDBAT — Data Link

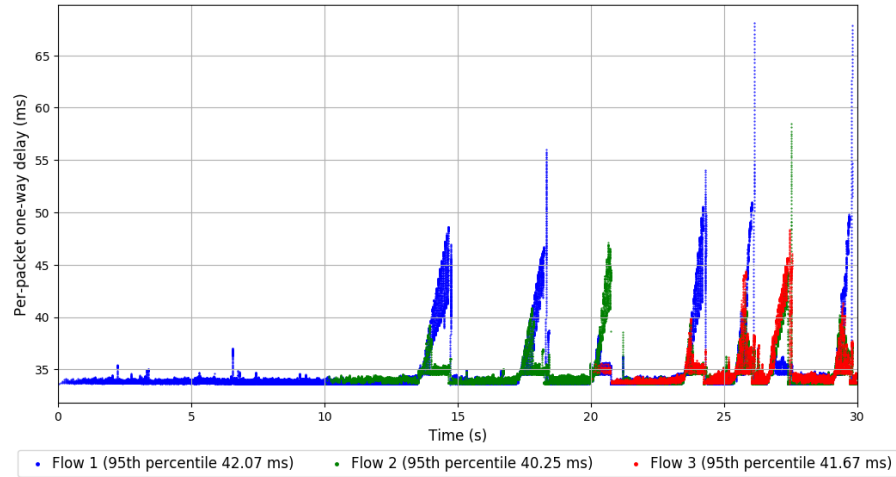
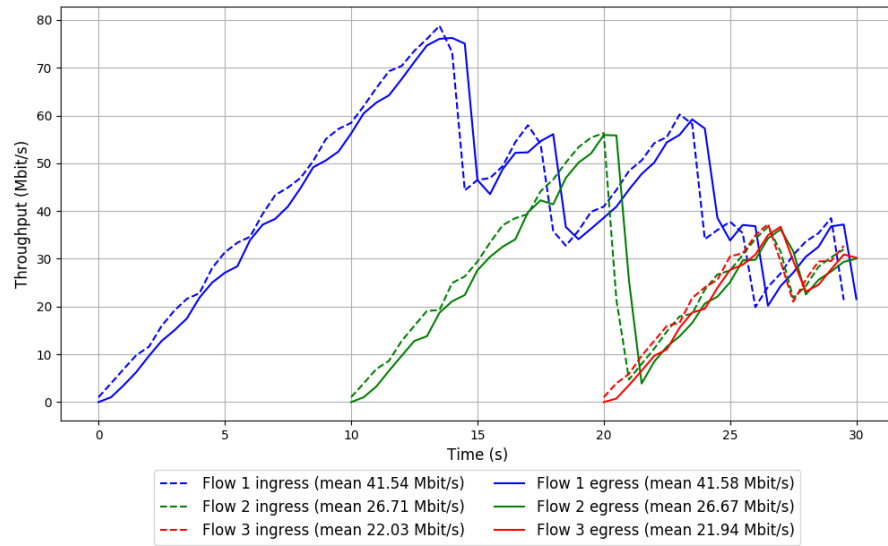


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 22:00:09
End at: 2018-08-22 22:00:39
Local clock offset: 0.902 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-08-22 23:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 41.541 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 40.252 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 41.671 ms
Loss rate: 1.04%

Run 8: Report of LEDBAT — Data Link

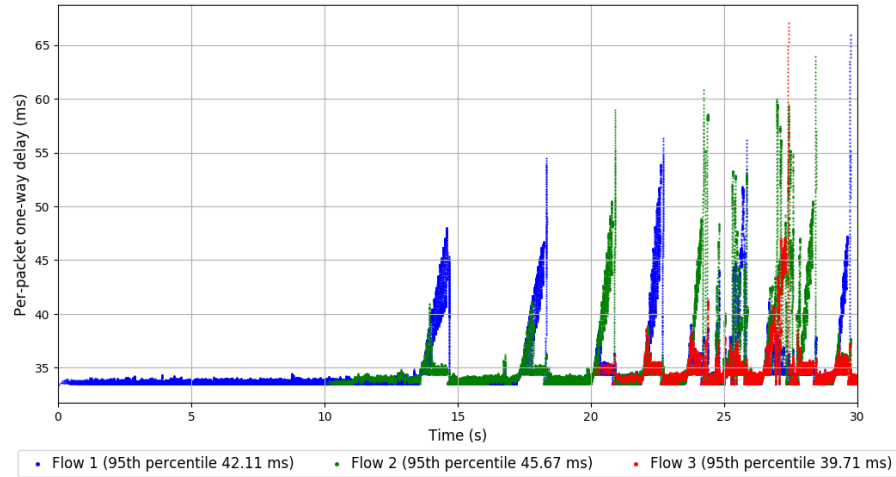
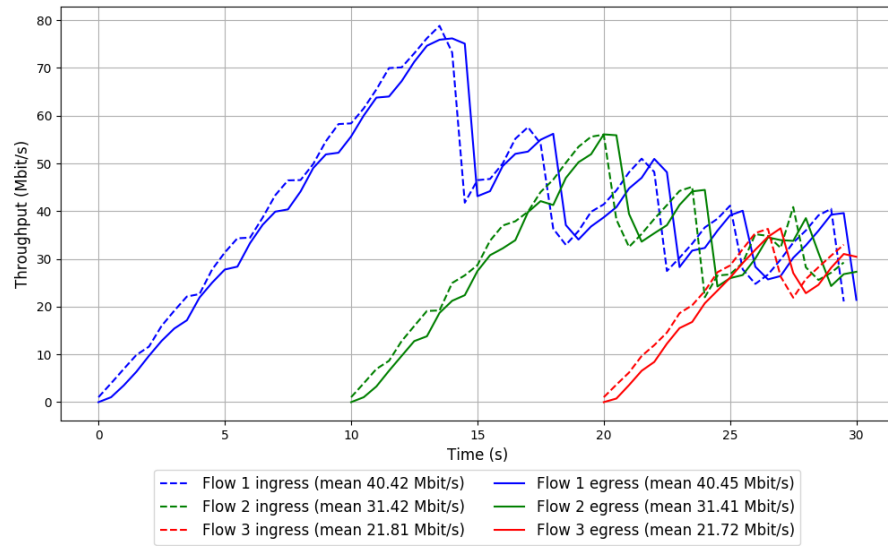


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 22:23:10
End at: 2018-08-22 22:23:40
Local clock offset: 0.702 ms
Remote clock offset: -0.721 ms

Below is generated by plot.py at 2018-08-22 23:04:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 43.407 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 42.113 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 45.673 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 1.05%

Run 9: Report of LEDBAT — Data Link

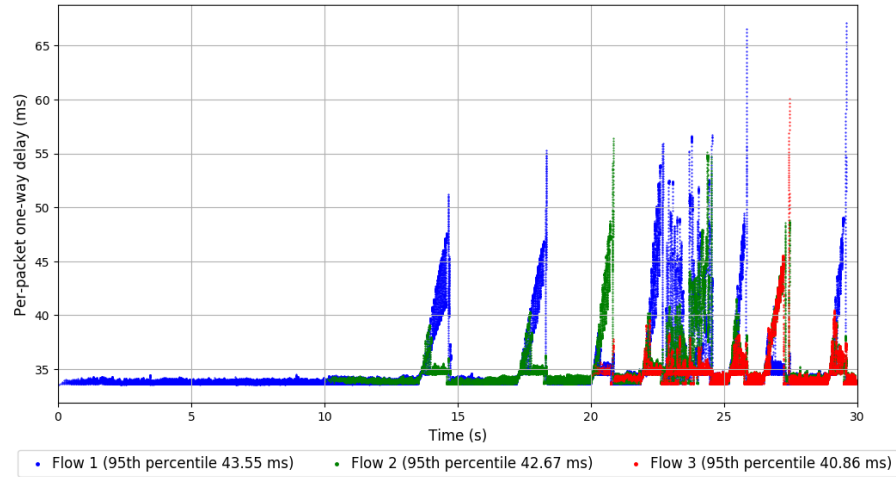
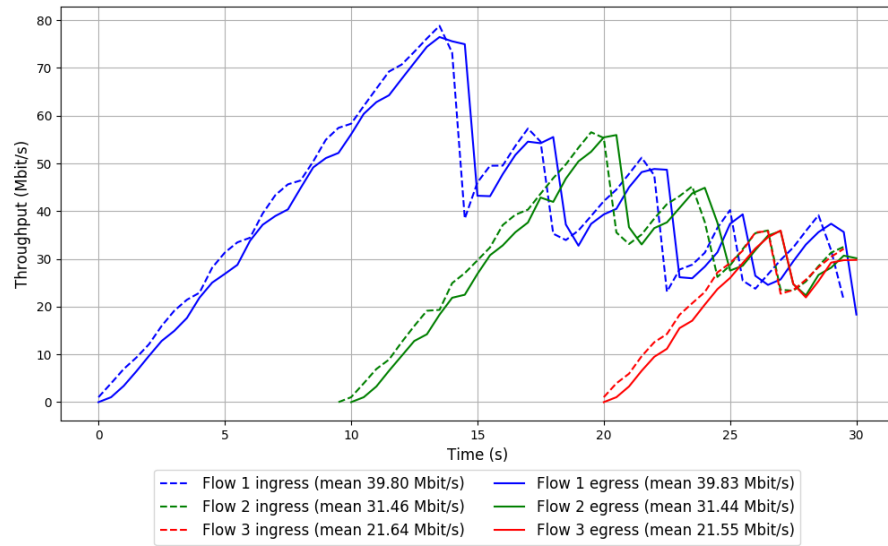


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 22:46:14
End at: 2018-08-22 22:46:44
Local clock offset: 0.628 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-22 23:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 43.008 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 43.553 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 42.668 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 40.864 ms
Loss rate: 1.08%

Run 10: Report of LEDBAT — Data Link

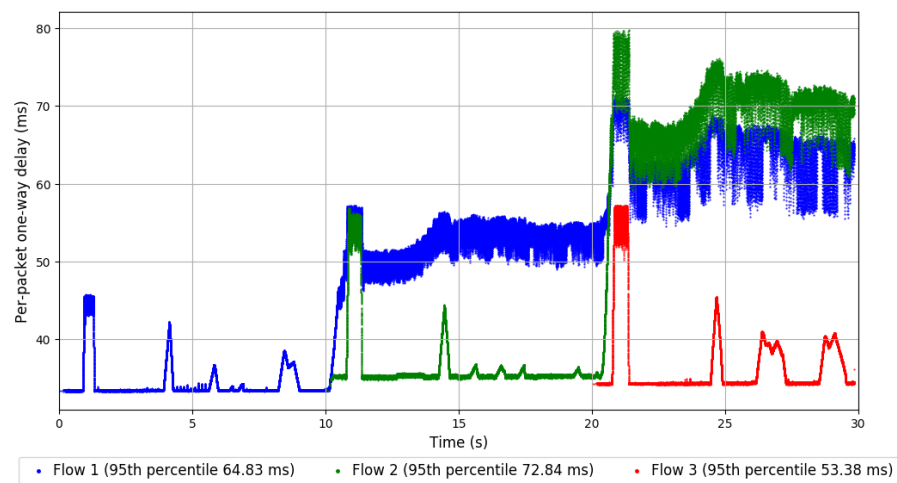
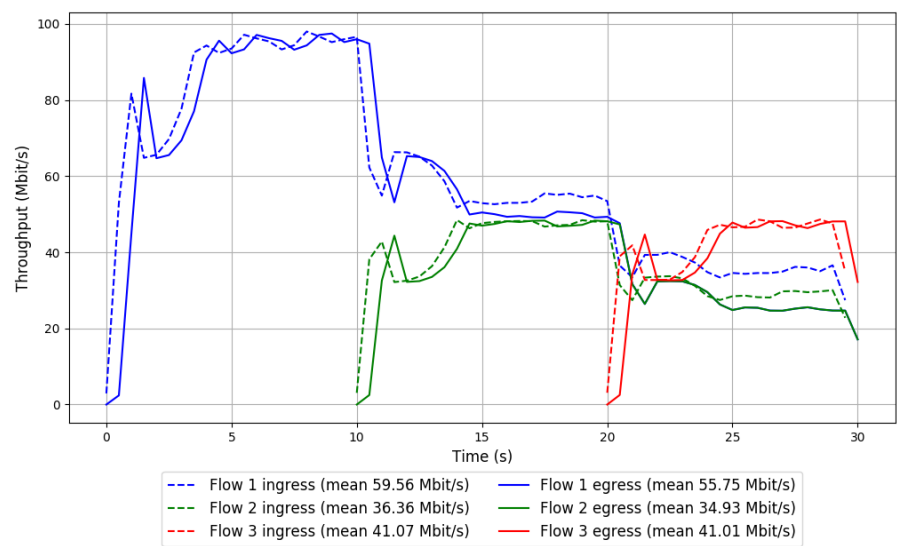


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 19:12:19
End at: 2018-08-22 19:12:49
Local clock offset: -0.149 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-08-22 23:05:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 68.946 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 64.831 ms
Loss rate: 6.61%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 72.838 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 53.382 ms
Loss rate: 0.80%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 19:35:14

End at: 2018-08-22 19:35:44

Local clock offset: 0.041 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-08-22 23:05:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 65.025 ms

Loss rate: 5.12%

-- Flow 1:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 61.062 ms

Loss rate: 6.27%

-- Flow 2:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 65.994 ms

Loss rate: 3.39%

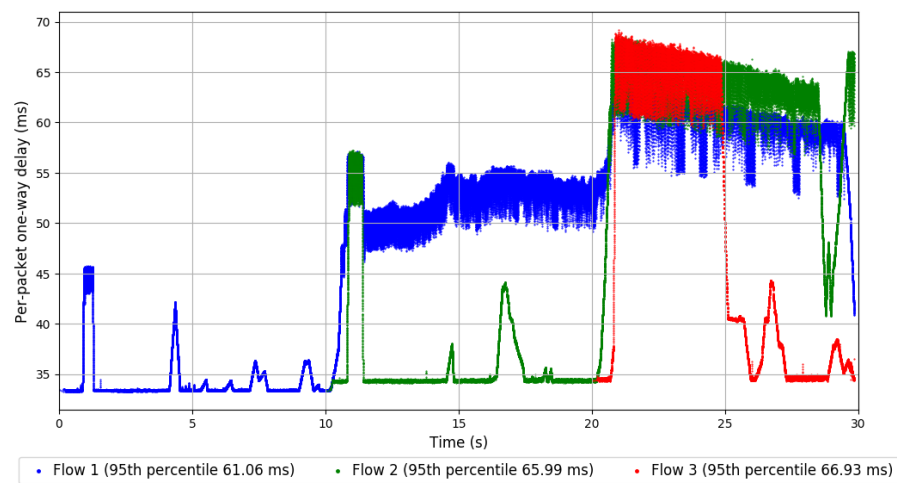
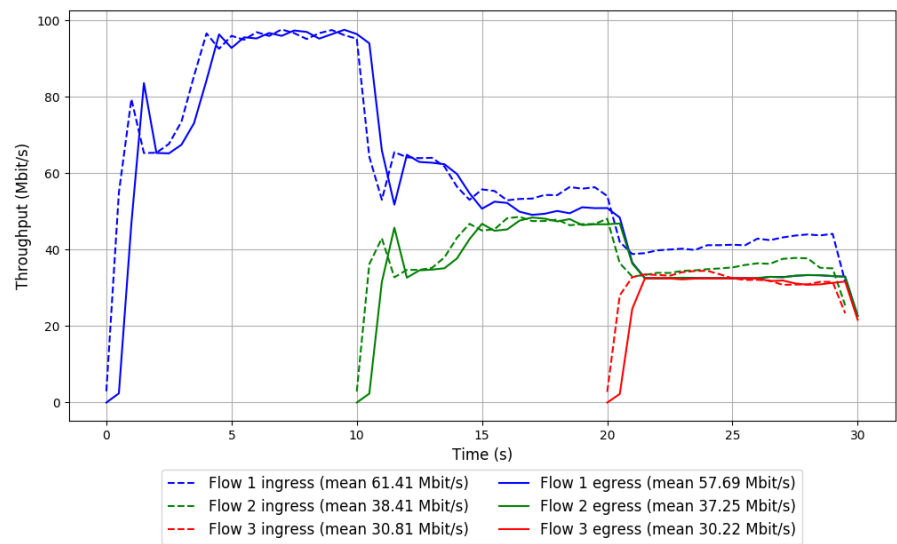
-- Flow 3:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 66.931 ms

Loss rate: 2.52%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 19:58:21

End at: 2018-08-22 19:58:51

Local clock offset: 0.446 ms

Remote clock offset: 1.735 ms

Below is generated by plot.py at 2018-08-22 23:05:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 68.820 ms

Loss rate: 5.11%

-- Flow 1:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 64.938 ms

Loss rate: 6.49%

-- Flow 2:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 72.462 ms

Loss rate: 4.11%

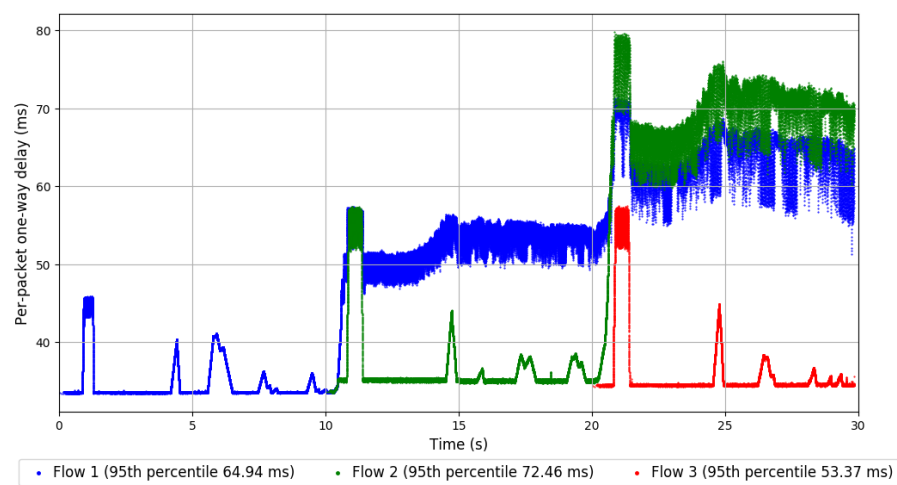
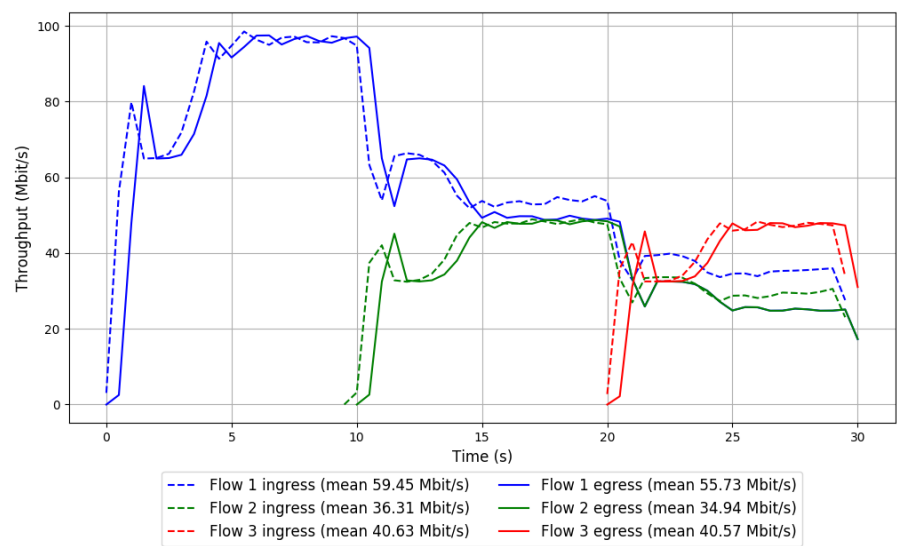
-- Flow 3:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 53.373 ms

Loss rate: 0.80%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 20:21:14

End at: 2018-08-22 20:21:44

Local clock offset: 0.3 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-22 23:05:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 70.466 ms

Loss rate: 3.79%

-- Flow 1:

Average throughput: 62.98 Mbit/s

95th percentile per-packet one-way delay: 54.992 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 73.558 ms

Loss rate: 4.38%

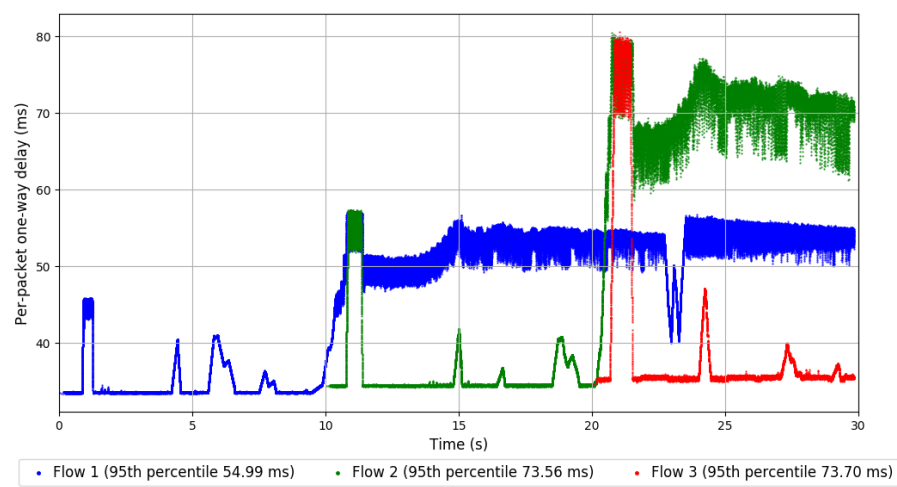
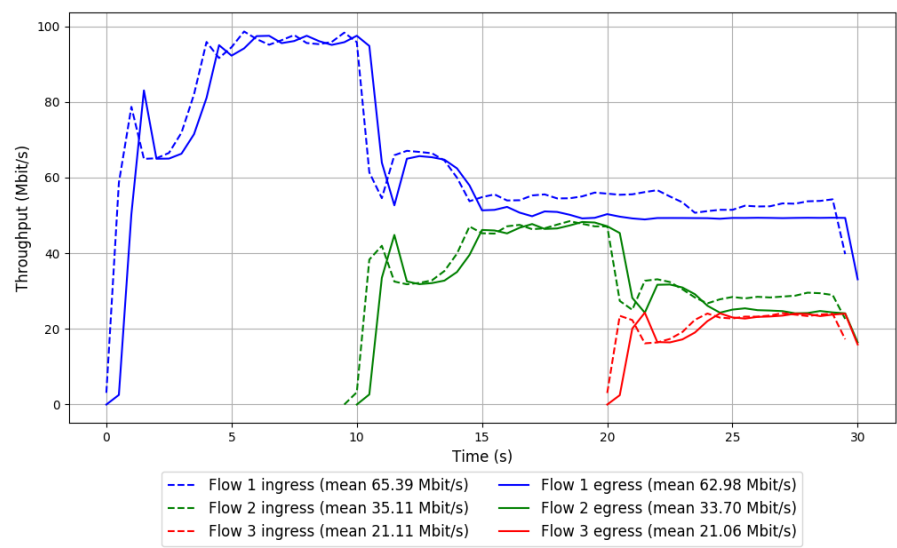
-- Flow 3:

Average throughput: 21.06 Mbit/s

95th percentile per-packet one-way delay: 73.699 ms

Loss rate: 0.88%

Run 4: Report of PCC-Allegro — Data Link

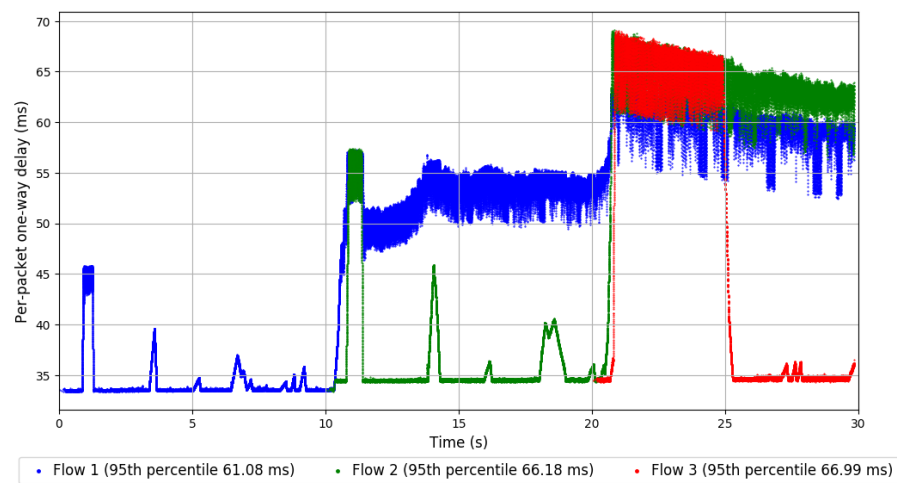
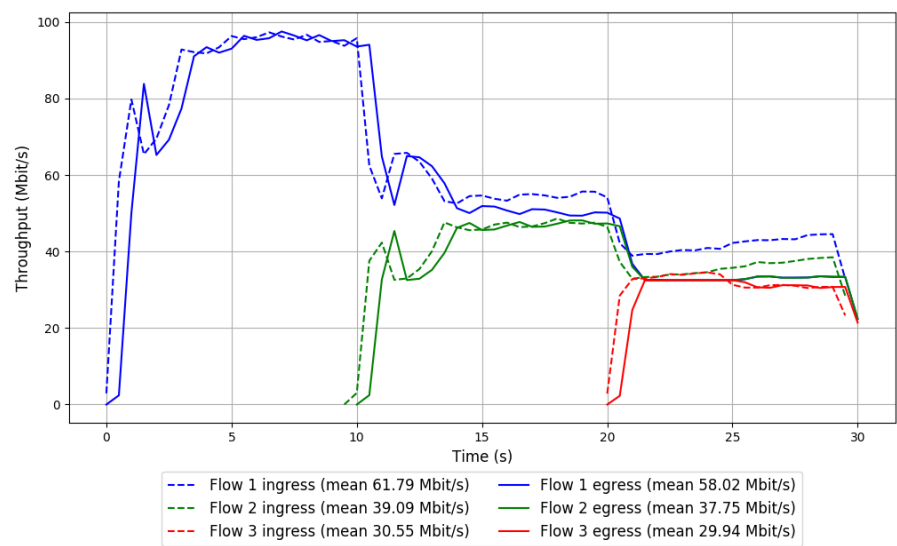


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 20:44:18
End at: 2018-08-22 20:44:48
Local clock offset: -1.583 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-22 23:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 65.046 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 61.082 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 66.183 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 66.989 ms
Loss rate: 2.61%

Run 5: Report of PCC-Allegro — Data Link

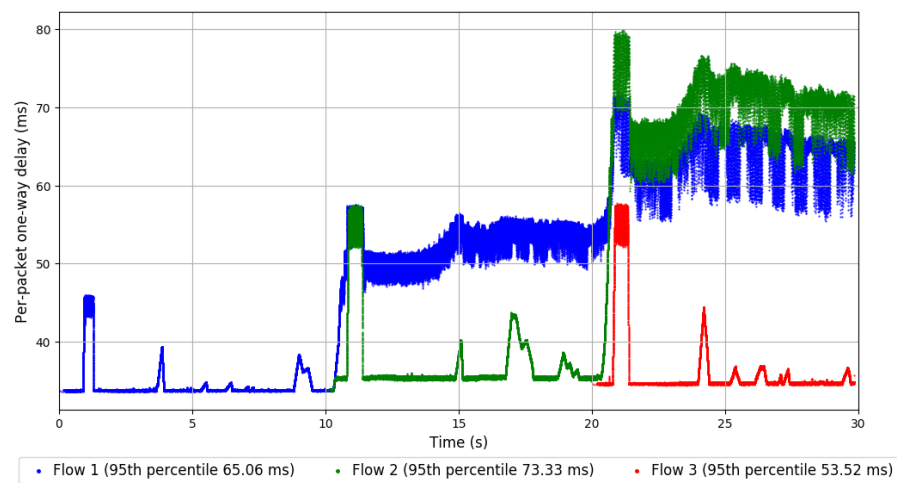
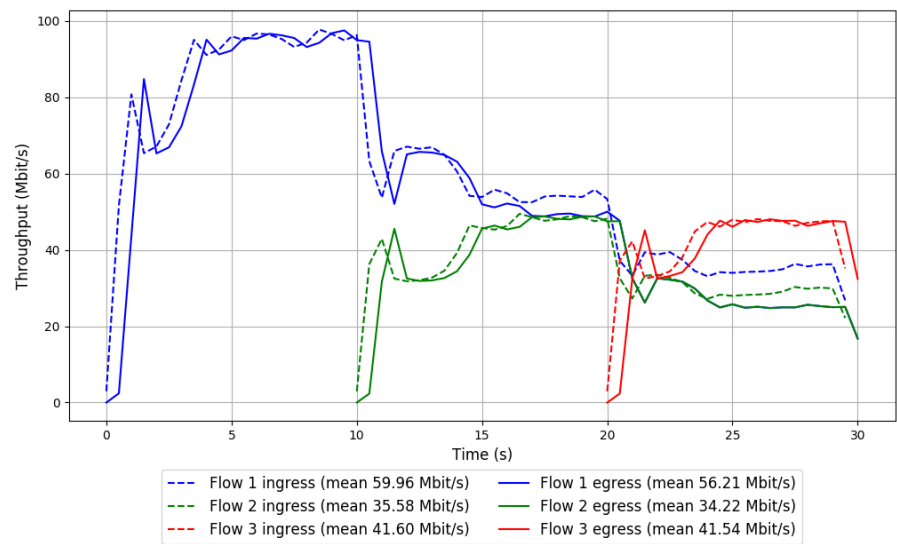


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 21:07:17
End at: 2018-08-22 21:07:47
Local clock offset: -3.499 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2018-08-22 23:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 69.392 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 65.062 ms
Loss rate: 6.47%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 73.332 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 53.515 ms
Loss rate: 0.79%

Run 6: Report of PCC-Allegro — Data Link

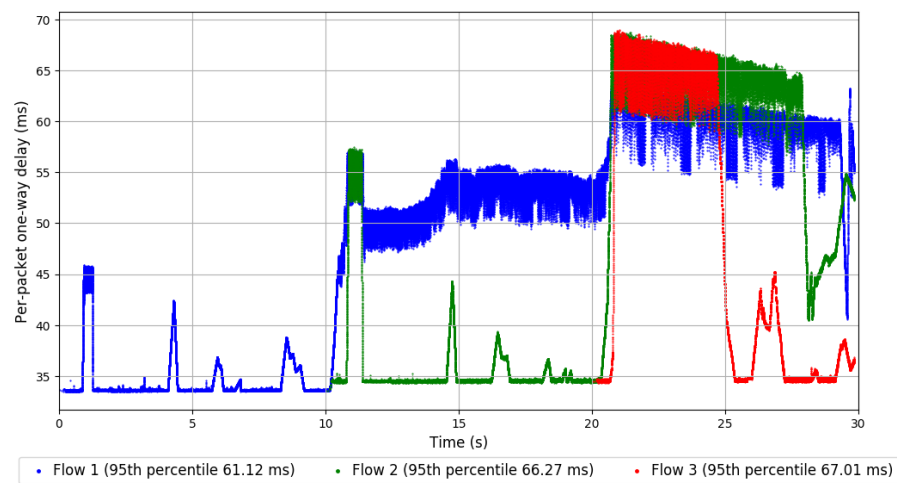
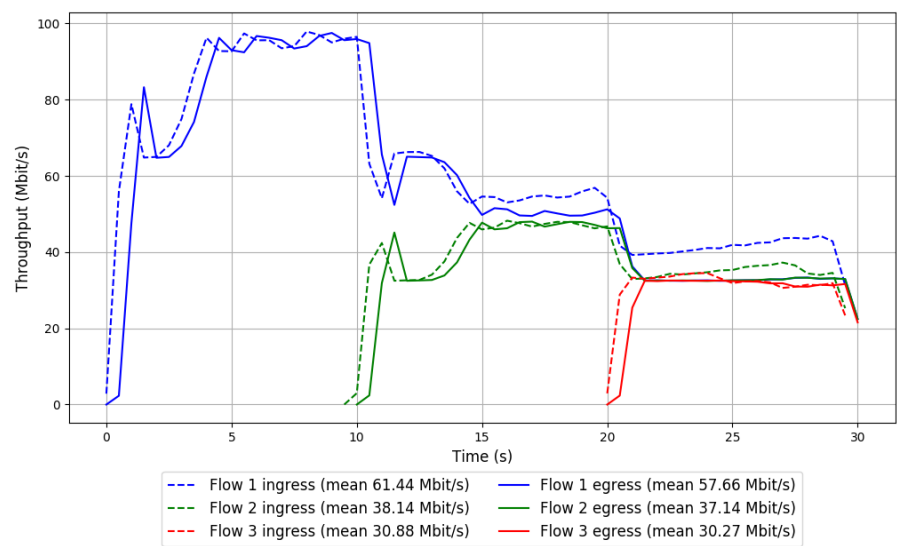


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 21:30:10
End at: 2018-08-22 21:30:40
Local clock offset: -4.526 ms
Remote clock offset: -1.904 ms

Below is generated by plot.py at 2018-08-22 23:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 65.185 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 61.116 ms
Loss rate: 6.35%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 67.007 ms
Loss rate: 2.61%

Run 7: Report of PCC-Allegro — Data Link

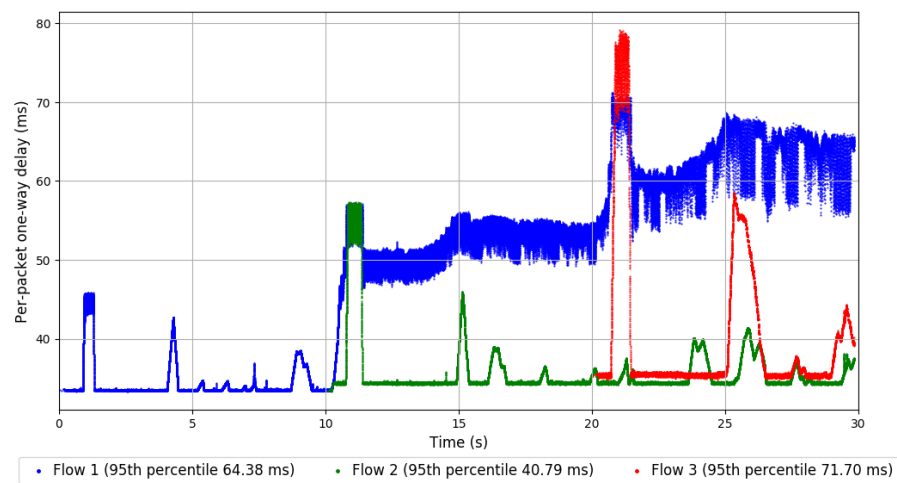
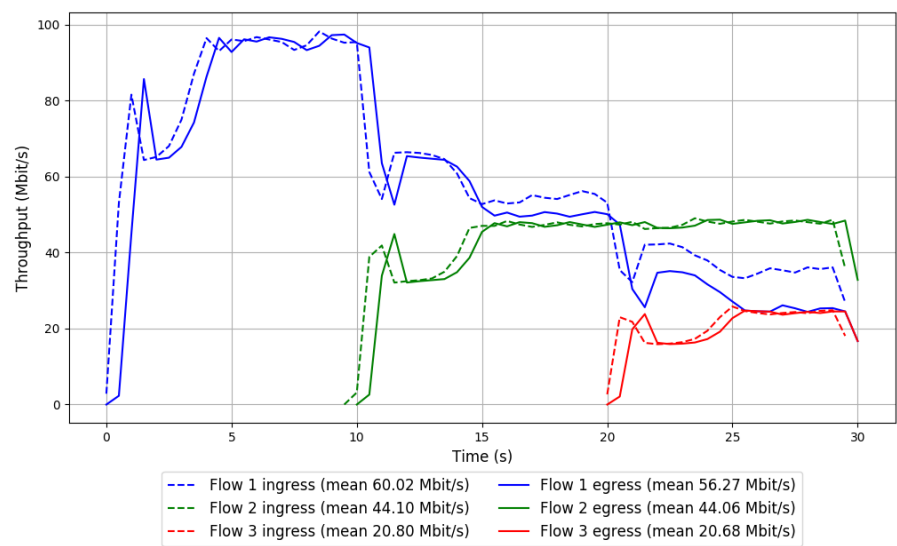


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 21:53:08
End at: 2018-08-22 21:53:38
Local clock offset: 0.153 ms
Remote clock offset: -1.127 ms

```
# Below is generated by plot.py at 2018-08-22 23:06:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 64.383 ms
Loss rate: 6.49%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 40.786 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 71.702 ms
Loss rate: 1.21%
```

Run 8: Report of PCC-Allegro — Data Link

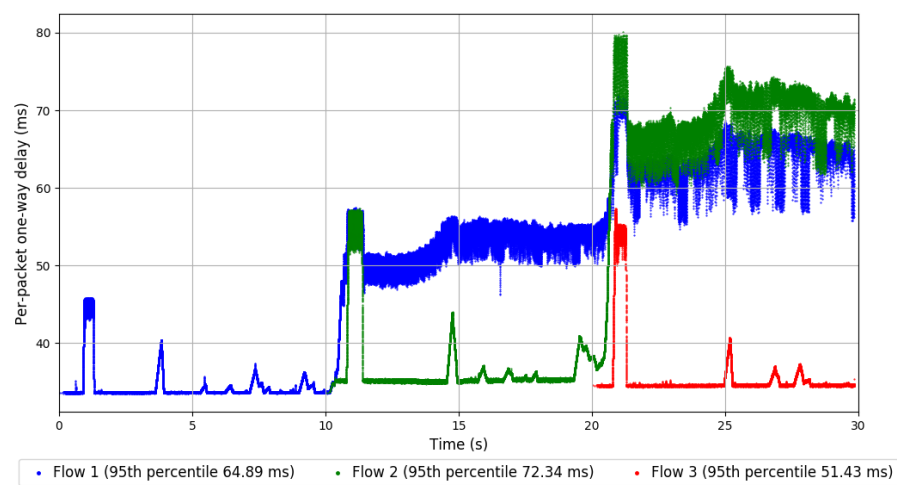
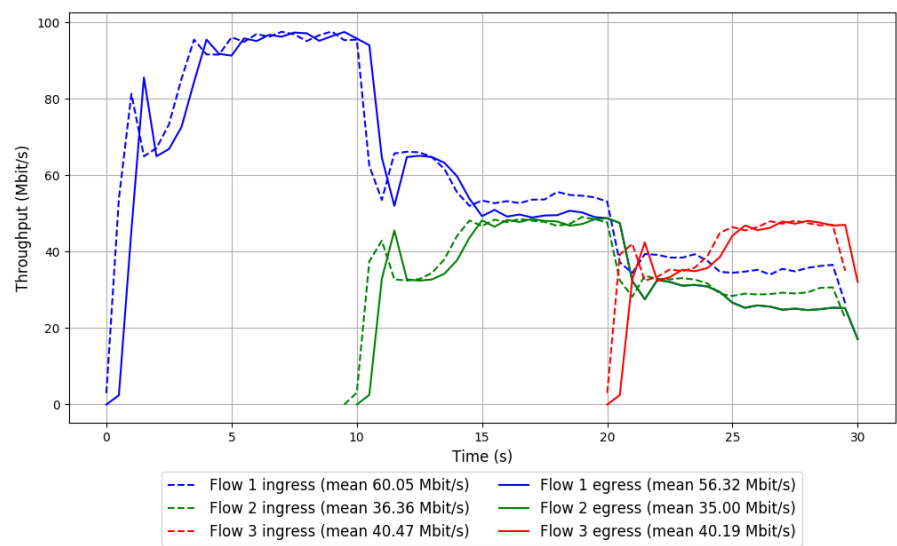


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 22:16:24
End at: 2018-08-22 22:16:54
Local clock offset: 0.755 ms
Remote clock offset: -0.877 ms

Below is generated by plot.py at 2018-08-22 23:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 68.355 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 64.892 ms
Loss rate: 6.43%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 72.339 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 51.431 ms
Loss rate: 1.33%

Run 9: Report of PCC-Allegro — Data Link

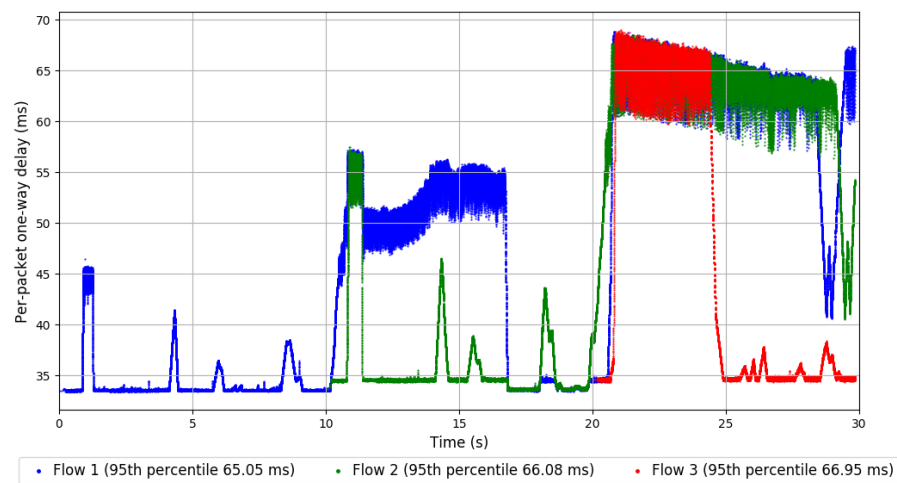
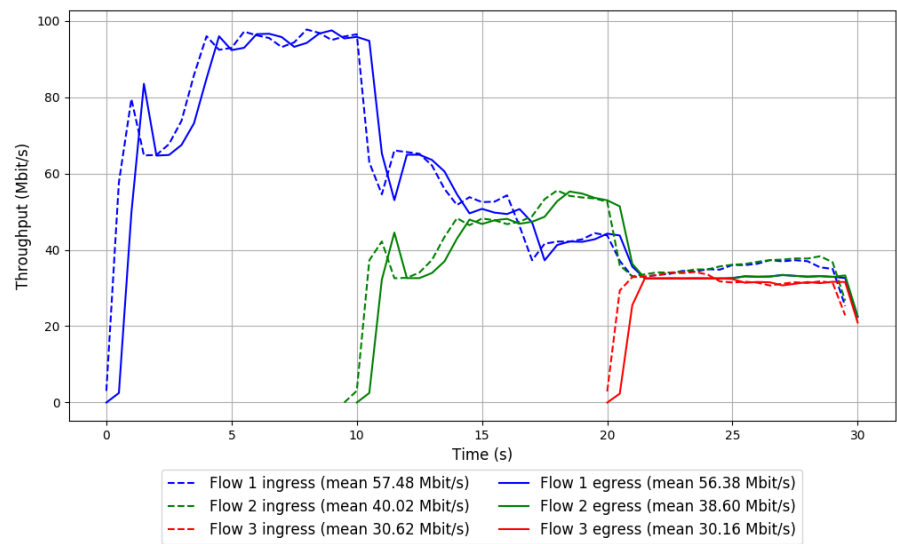


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 22:39:30
End at: 2018-08-22 22:40:00
Local clock offset: 0.792 ms
Remote clock offset: -0.431 ms

Below is generated by plot.py at 2018-08-22 23:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 65.851 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 65.051 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 66.075 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 66.952 ms
Loss rate: 2.15%

Run 10: Report of PCC-Allegro — Data Link

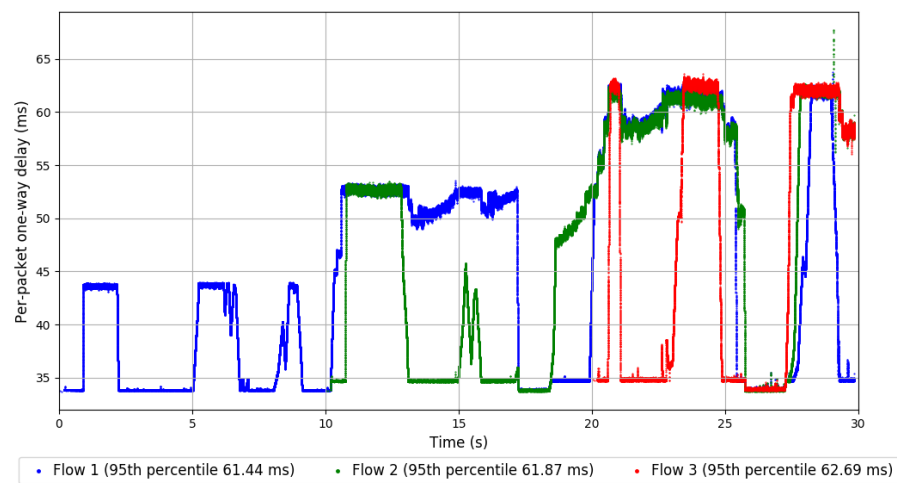
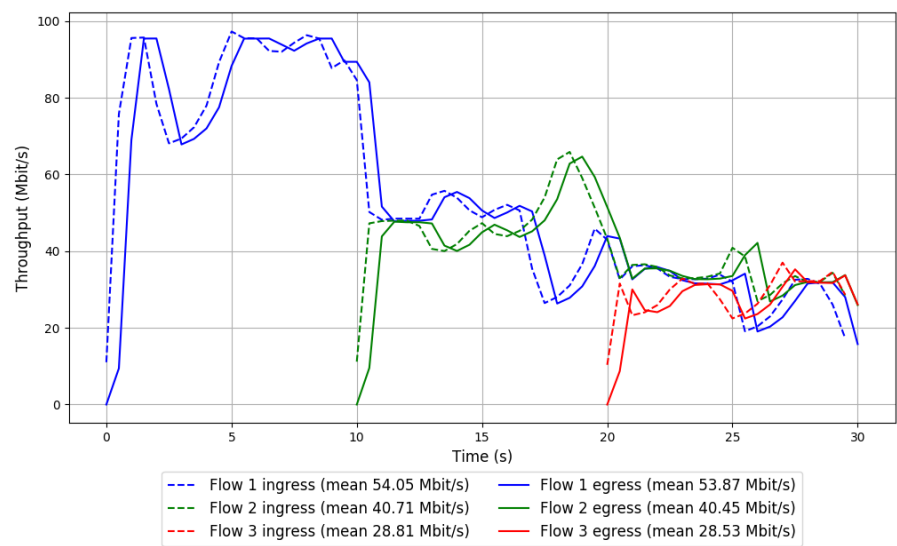


Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 19:06:49
End at: 2018-08-22 19:07:19
Local clock offset: -0.16 ms
Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-08-22 23:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 61.991 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 61.437 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 61.867 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 62.687 ms
Loss rate: 1.64%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 19:29:43

End at: 2018-08-22 19:30:13

Local clock offset: 0.011 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-08-22 23:07:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 61.502 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 60.694 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 61.532 ms

Loss rate: 0.89%

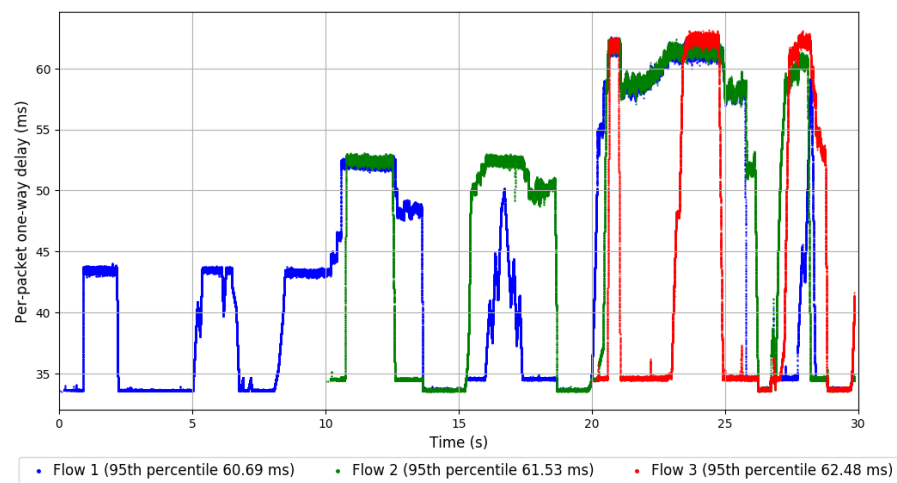
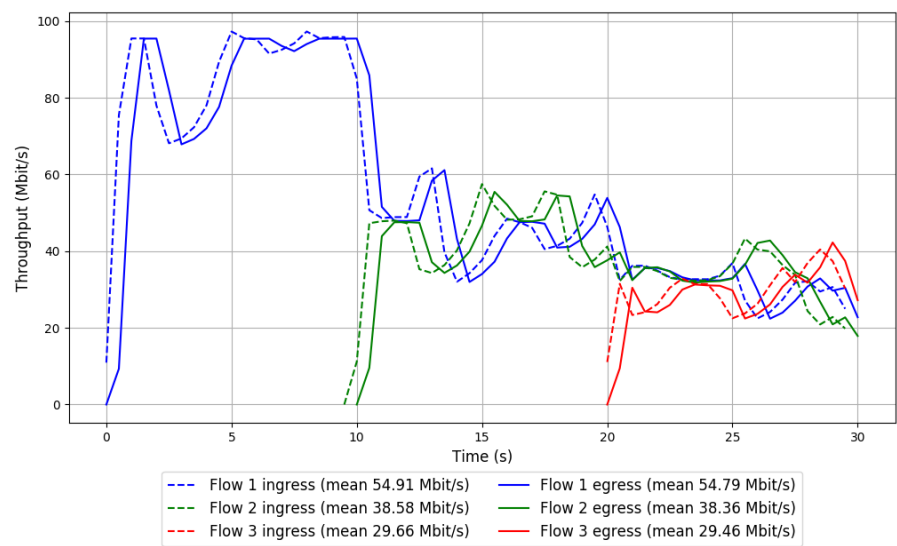
-- Flow 3:

Average throughput: 29.46 Mbit/s

95th percentile per-packet one-way delay: 62.477 ms

Loss rate: 1.32%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 19:52:50

End at: 2018-08-22 19:53:20

Local clock offset: 0.359 ms

Remote clock offset: 1.377 ms

Below is generated by plot.py at 2018-08-22 23:07:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 69.757 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 52.77 Mbit/s

95th percentile per-packet one-way delay: 69.398 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 35.05 Mbit/s

95th percentile per-packet one-way delay: 70.266 ms

Loss rate: 1.14%

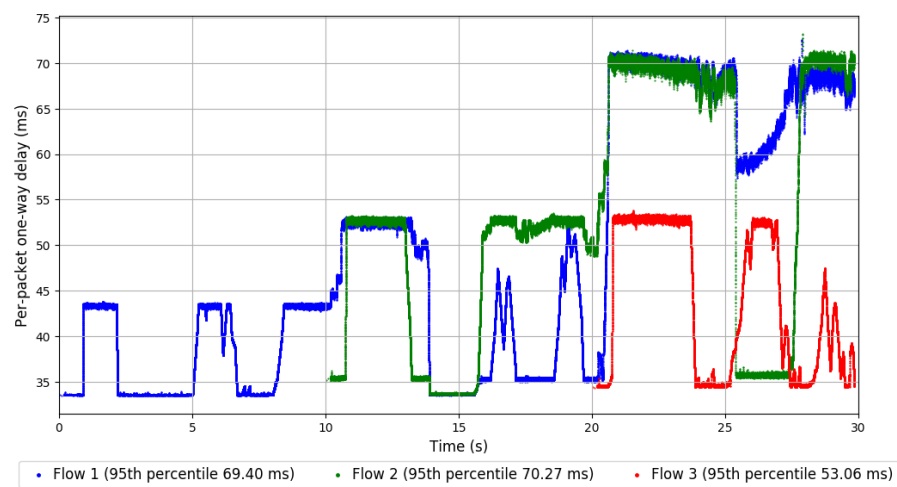
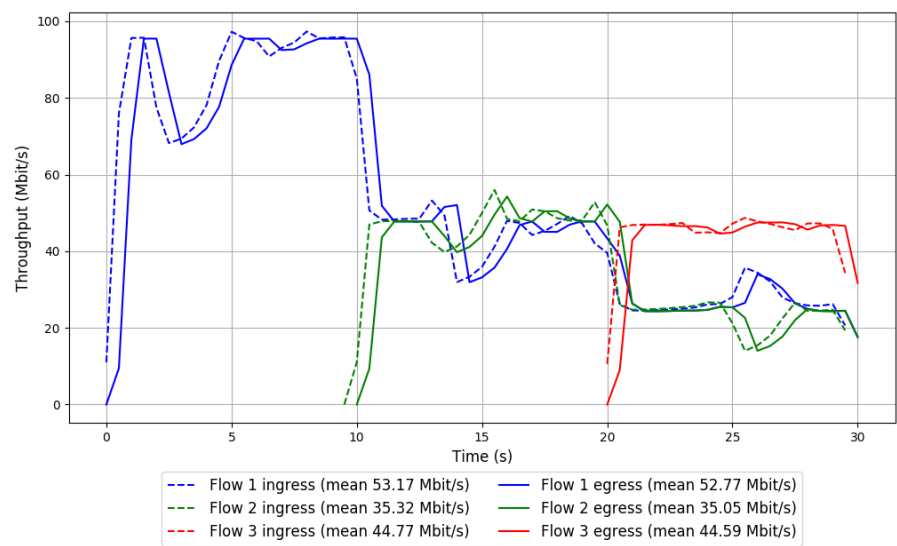
-- Flow 3:

Average throughput: 44.59 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 1.02%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 20:15:44

End at: 2018-08-22 20:16:14

Local clock offset: 0.289 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-08-22 23:07:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 61.319 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 61.067 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 60.539 ms

Loss rate: 1.88%

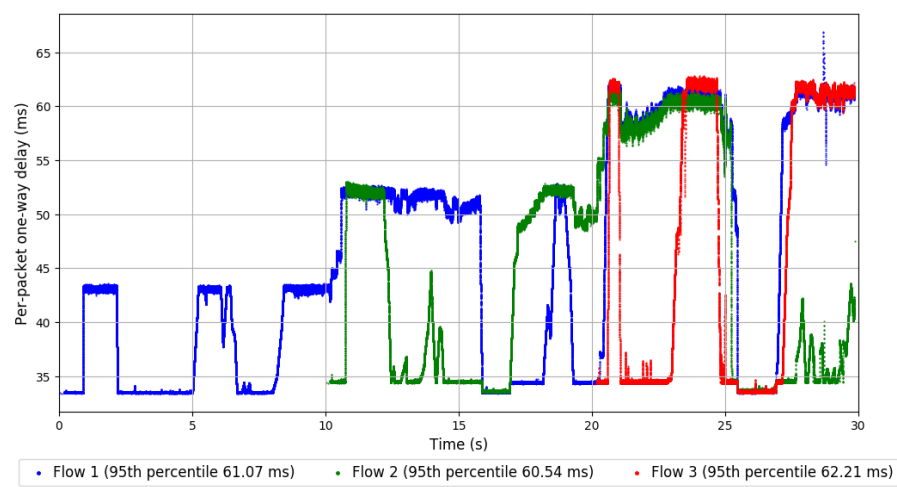
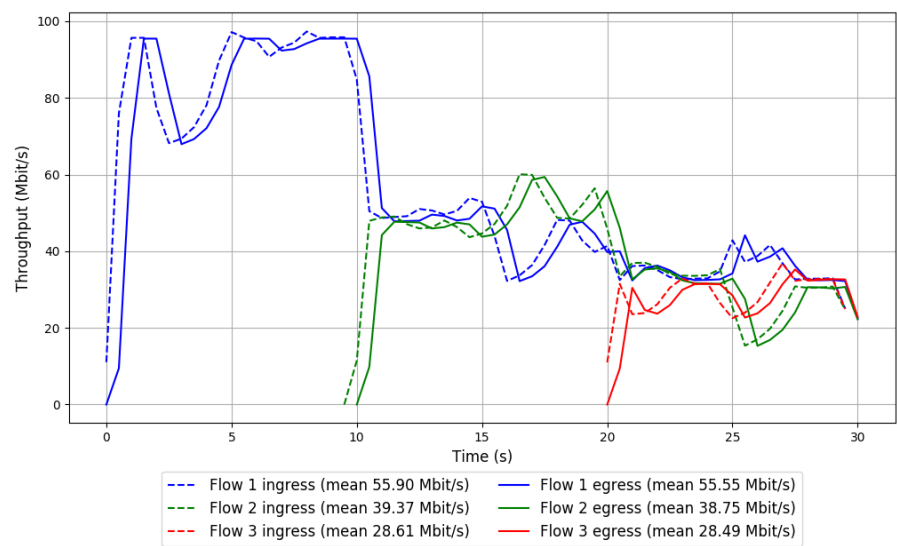
-- Flow 3:

Average throughput: 28.49 Mbit/s

95th percentile per-packet one-way delay: 62.213 ms

Loss rate: 1.21%

Run 4: Report of PCC-Expr — Data Link

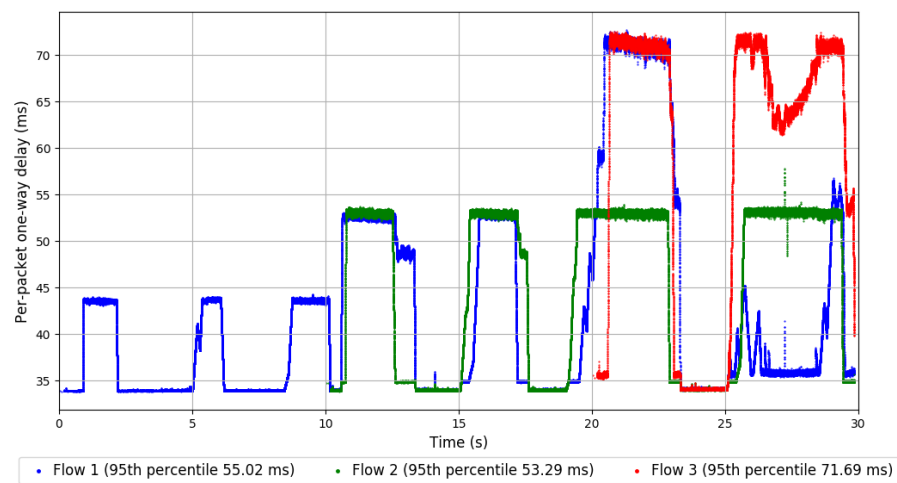
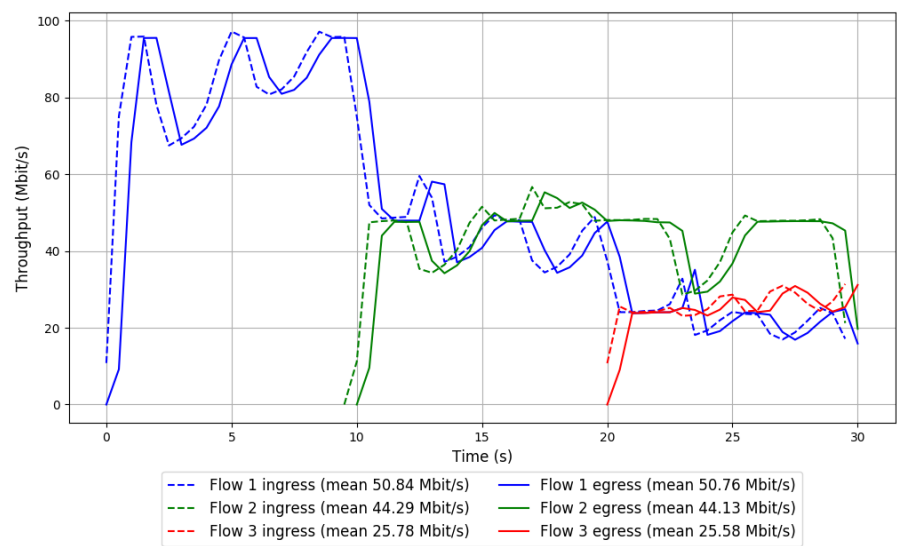


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 20:38:48
End at: 2018-08-22 20:39:18
Local clock offset: -0.149 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-08-22 23:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 70.542 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 55.017 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 53.293 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 71.685 ms
Loss rate: 1.40%

Run 5: Report of PCC-Expr — Data Link

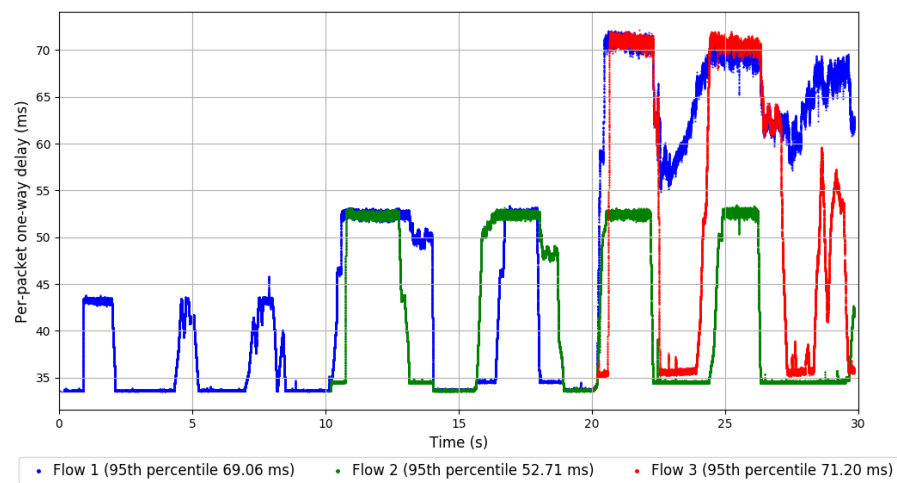
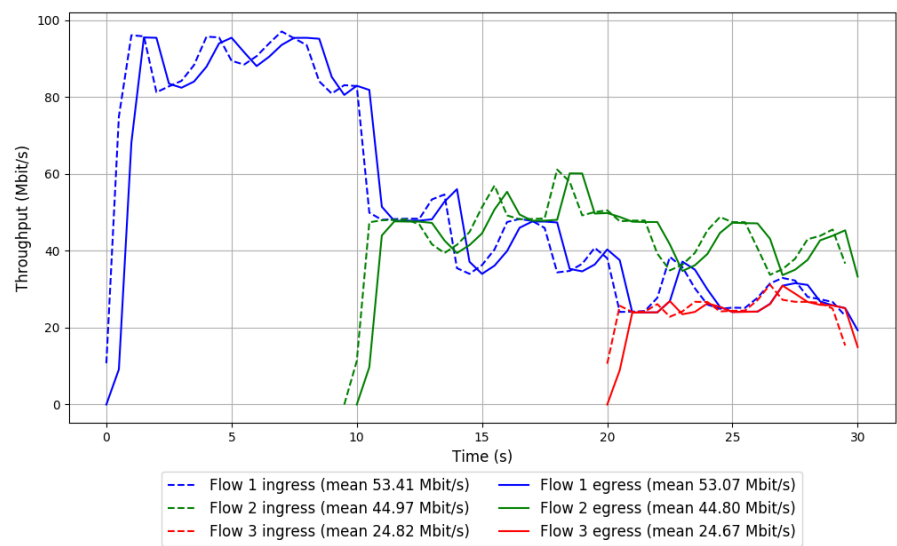


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 21:01:47
End at: 2018-08-22 21:02:17
Local clock offset: -3.275 ms
Remote clock offset: -0.652 ms

Below is generated by plot.py at 2018-08-22 23:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 69.893 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 69.061 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 52.714 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 71.205 ms
Loss rate: 1.28%

Run 6: Report of PCC-Expr — Data Link

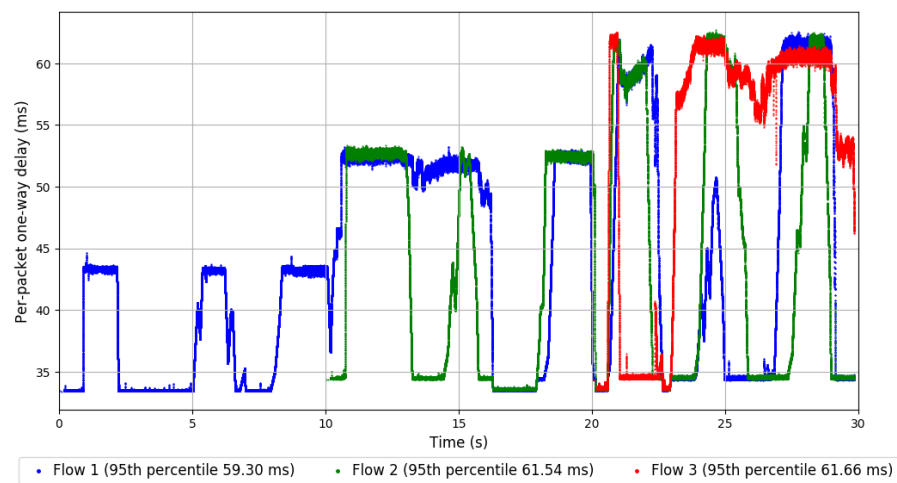
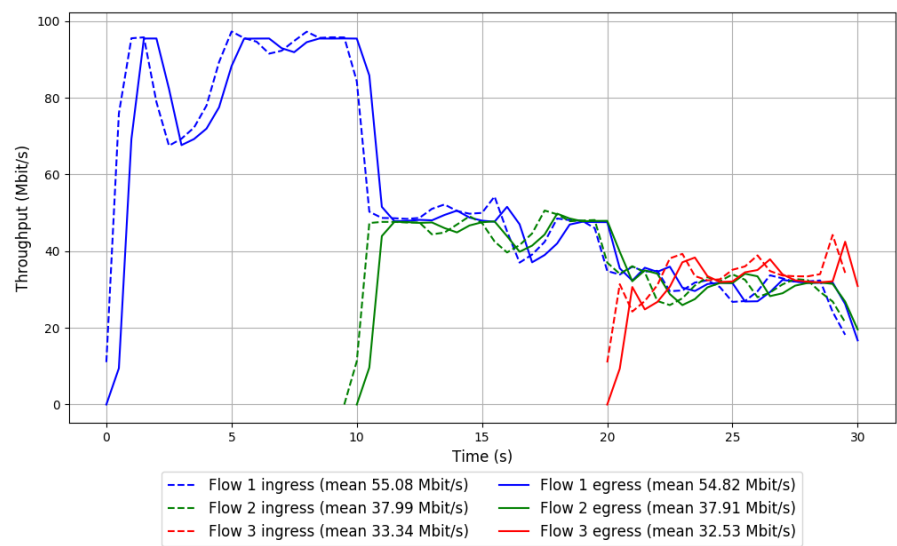


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 21:24:40
End at: 2018-08-22 21:25:10
Local clock offset: -4.326 ms
Remote clock offset: -1.755 ms

Below is generated by plot.py at 2018-08-22 23:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 59.304 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 61.656 ms
Loss rate: 3.07%

Run 7: Report of PCC-Expr — Data Link

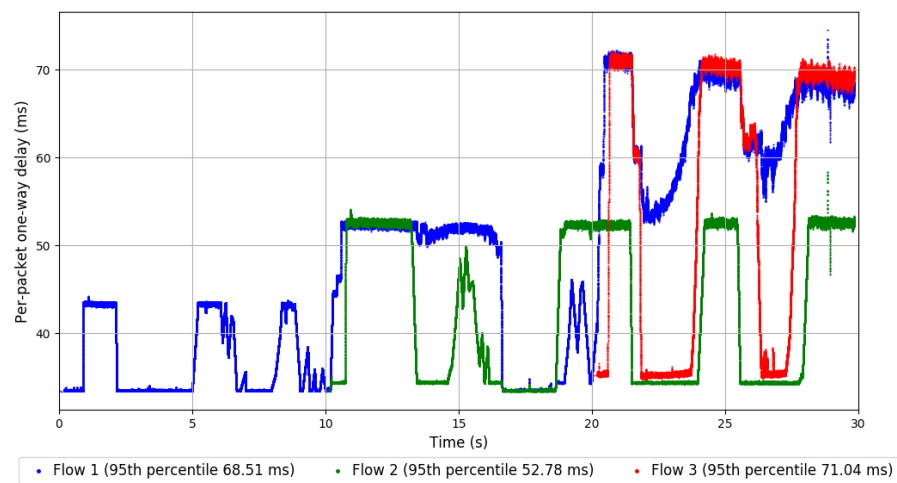
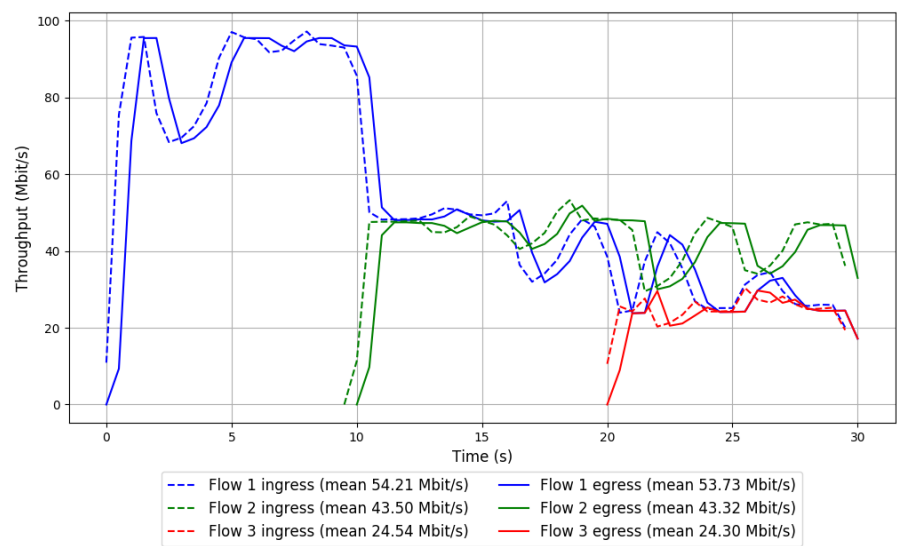


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 21:47:32
End at: 2018-08-22 21:48:02
Local clock offset: -0.886 ms
Remote clock offset: -1.469 ms

Below is generated by plot.py at 2018-08-22 23:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 69.283 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 68.513 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 52.784 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 71.039 ms
Loss rate: 1.83%

Run 8: Report of PCC-Expr — Data Link

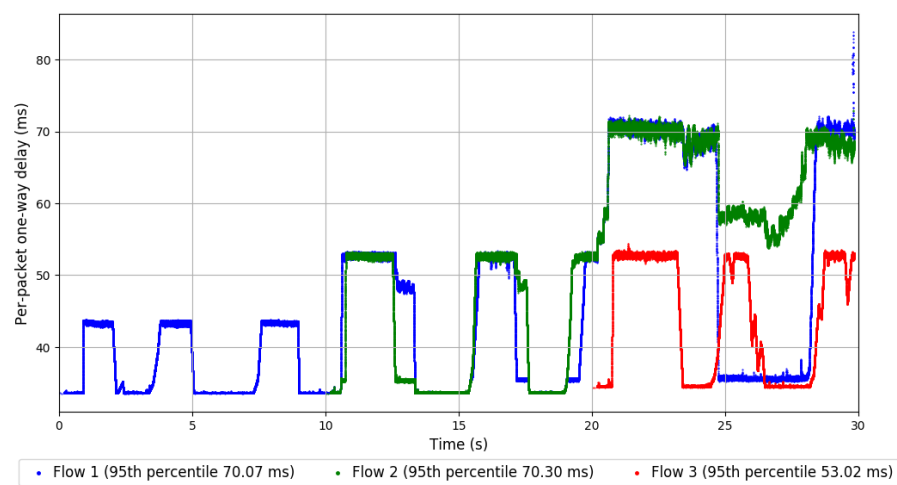
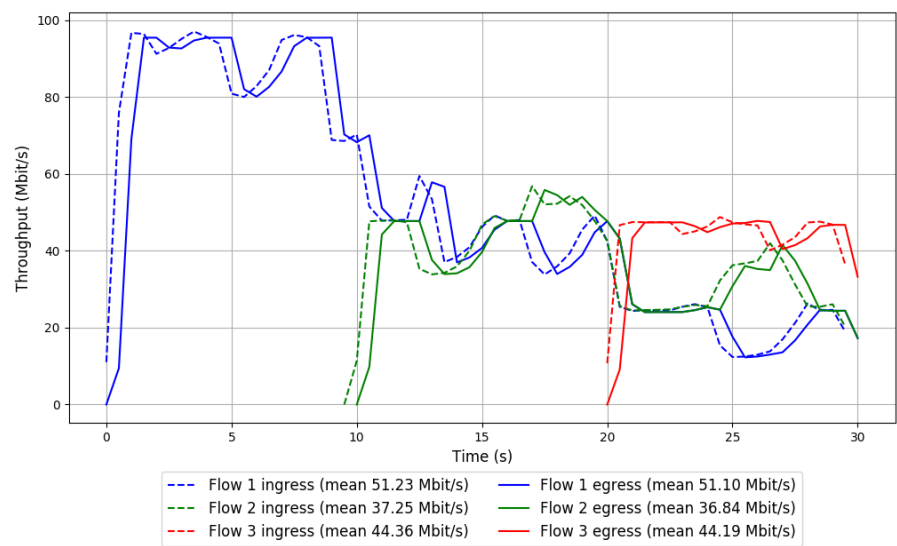


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 22:10:49
End at: 2018-08-22 22:11:19
Local clock offset: 1.003 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2018-08-22 23:09:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 69.986 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 70.073 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 70.304 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 53.016 ms
Loss rate: 1.03%

Run 9: Report of PCC-Expr — Data Link

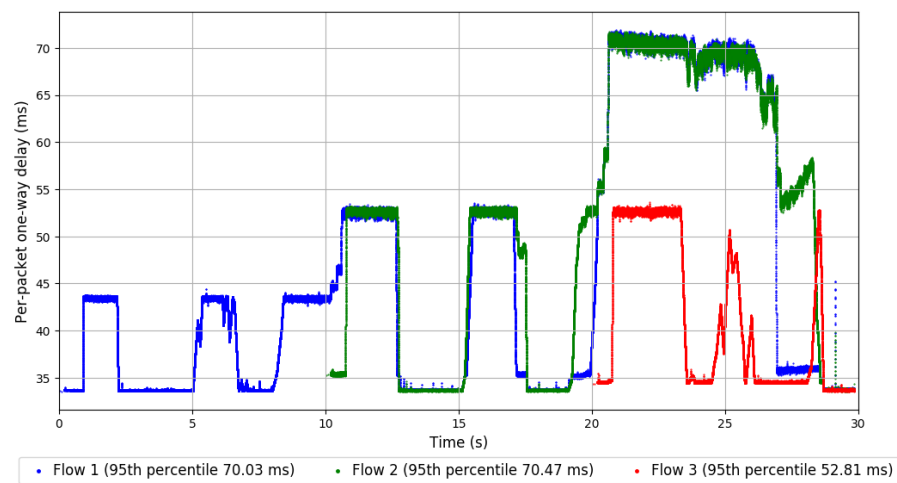
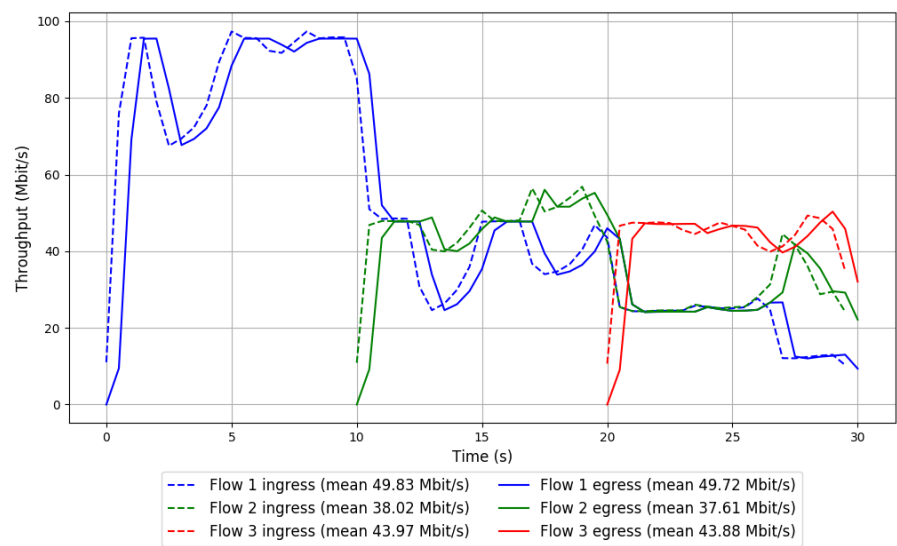


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 22:33:58
End at: 2018-08-22 22:34:28
Local clock offset: 0.865 ms
Remote clock offset: -0.629 ms

Below is generated by plot.py at 2018-08-22 23:09:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 70.062 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 70.031 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 70.465 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 52.810 ms
Loss rate: 0.84%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 19:16:23

End at: 2018-08-22 19:16:53

Local clock offset: -0.1 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-08-22 23:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.48 Mbit/s

95th percentile per-packet one-way delay: 55.420 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 44.929 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 35.16 Mbit/s

95th percentile per-packet one-way delay: 55.645 ms

Loss rate: 0.40%

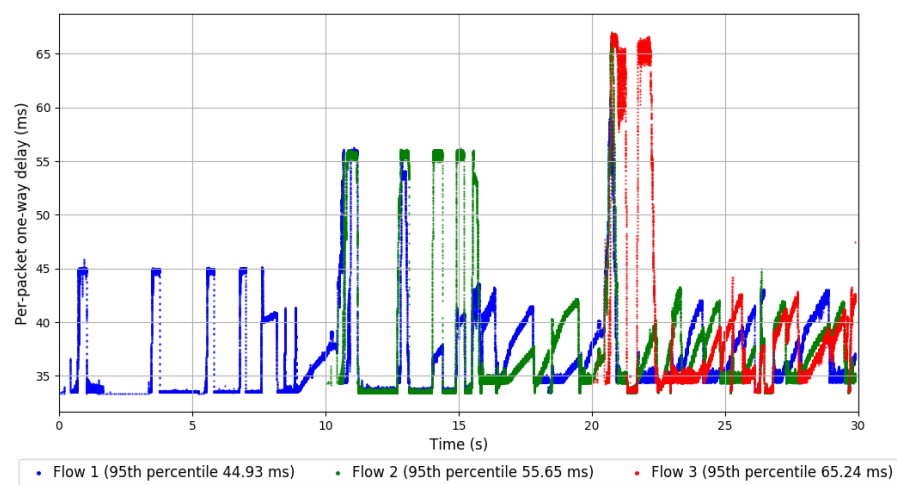
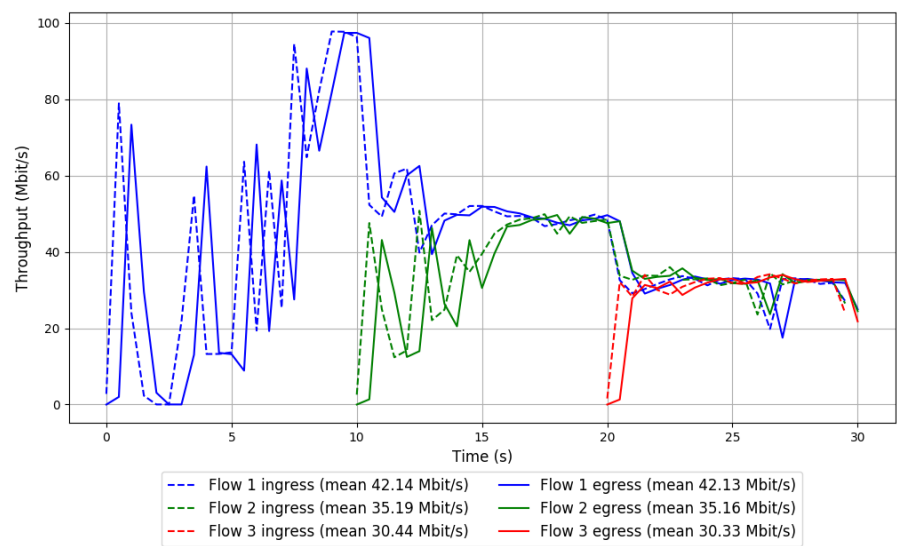
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 65.243 ms

Loss rate: 0.94%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 19:39:24

End at: 2018-08-22 19:39:54

Local clock offset: 0.059 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2018-08-22 23:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 54.358 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 44.651 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 35.57 Mbit/s

95th percentile per-packet one-way delay: 55.575 ms

Loss rate: 0.38%

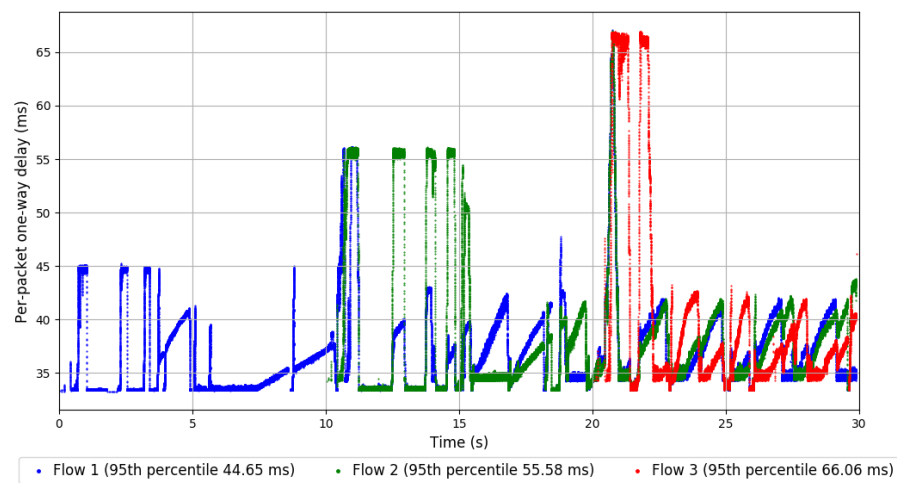
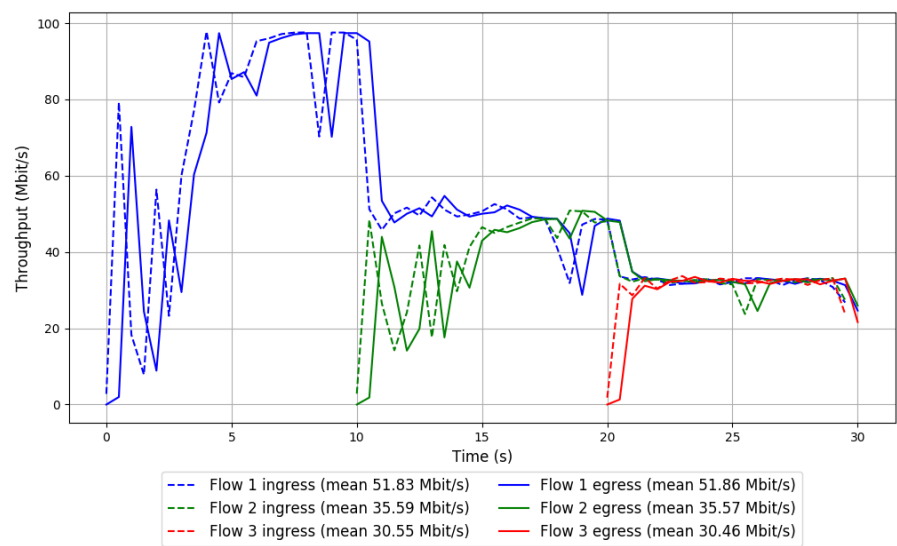
-- Flow 3:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 66.063 ms

Loss rate: 0.91%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 20:02:25

End at: 2018-08-22 20:02:55

Local clock offset: 0.478 ms

Remote clock offset: 1.043 ms

Below is generated by plot.py at 2018-08-22 23:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 55.186 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 45.165 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 35.81 Mbit/s

95th percentile per-packet one-way delay: 55.756 ms

Loss rate: 0.37%

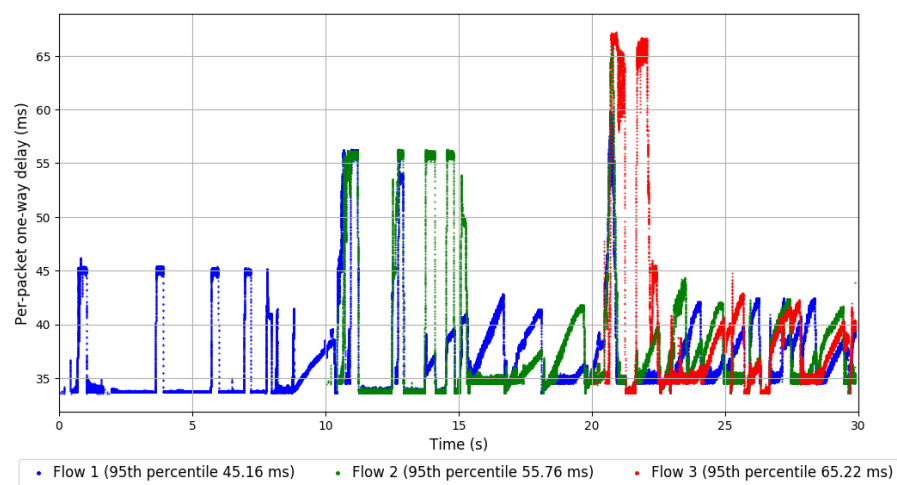
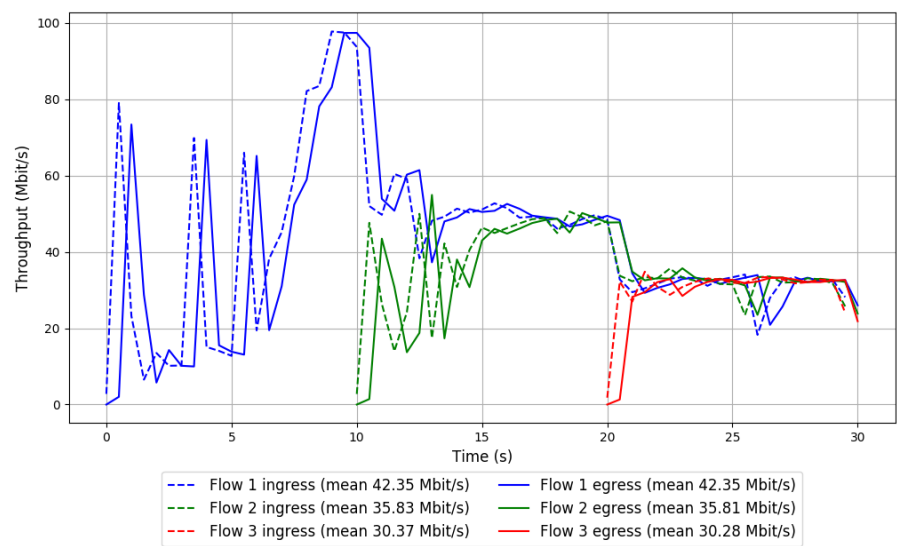
-- Flow 3:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 65.219 ms

Loss rate: 0.91%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 20:25:19

End at: 2018-08-22 20:25:49

Local clock offset: 0.339 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2018-08-22 23:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 55.177 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 44.814 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 55.536 ms

Loss rate: 0.41%

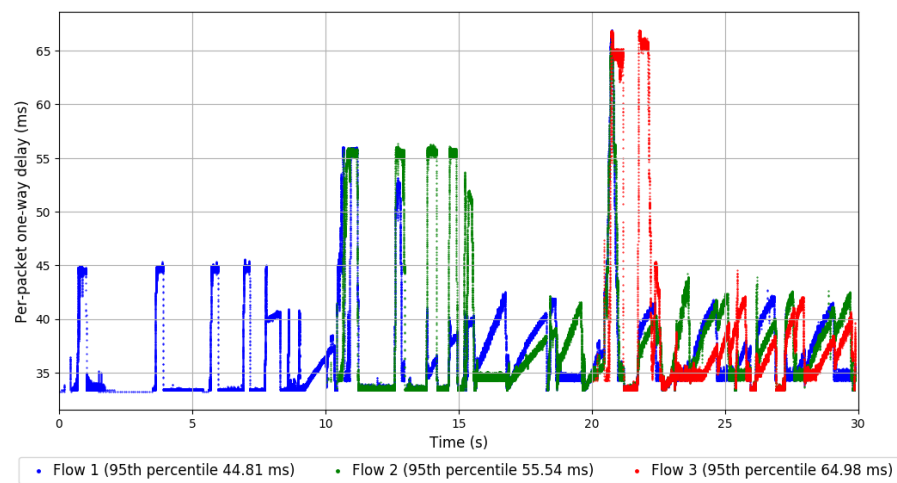
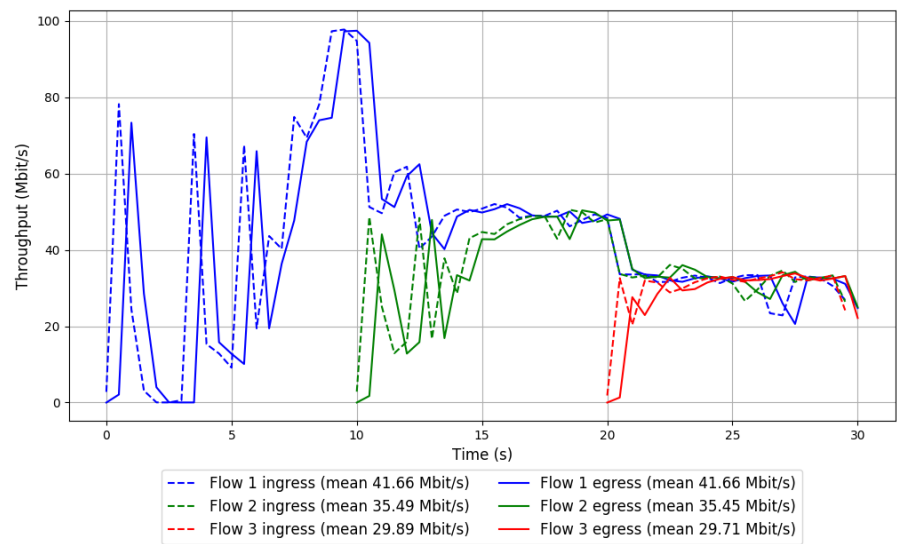
-- Flow 3:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 64.983 ms

Loss rate: 1.24%

Run 4: Report of QUIC Cubic — Data Link

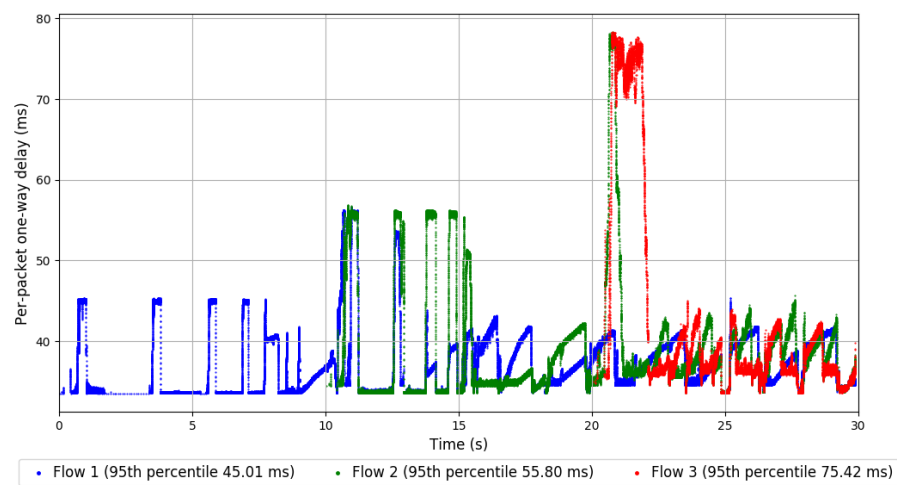
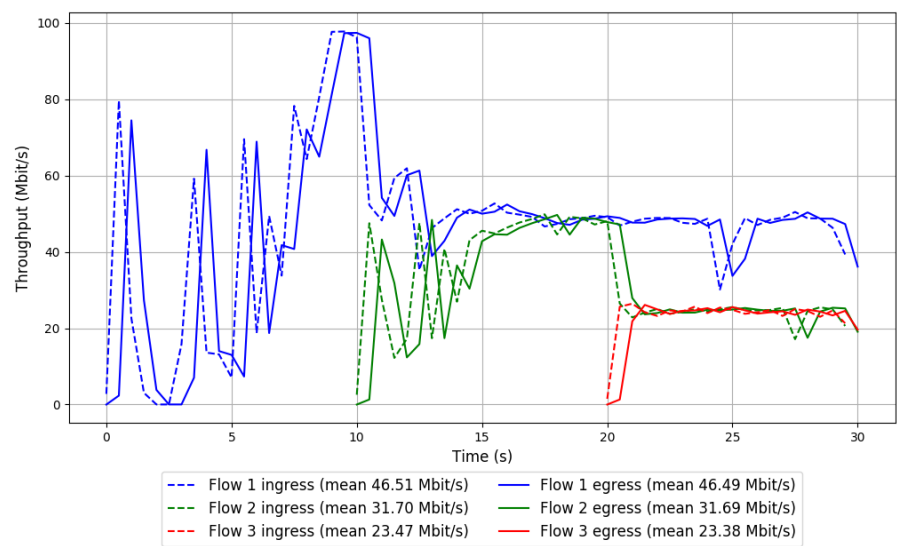


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 20:48:23
End at: 2018-08-22 20:48:53
Local clock offset: -2.182 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-08-22 23:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 55.327 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 45.006 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 55.799 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 75.424 ms
Loss rate: 1.03%

Run 5: Report of QUIC Cubic — Data Link

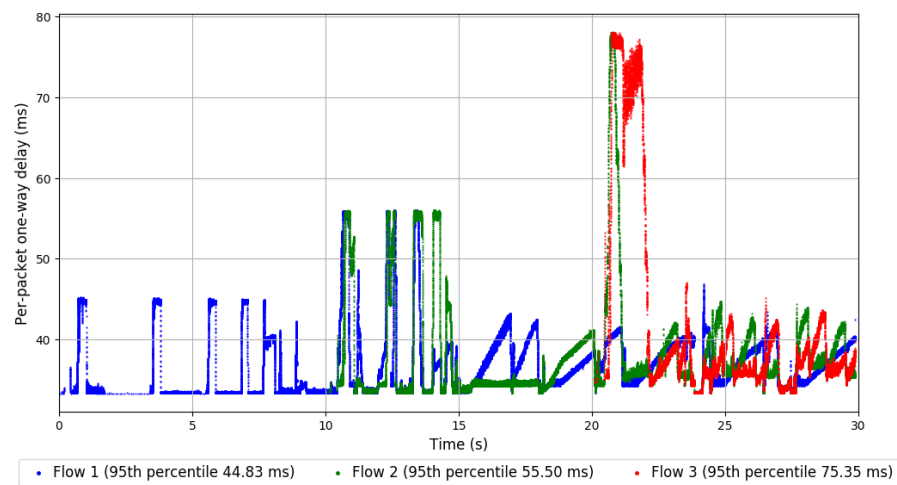
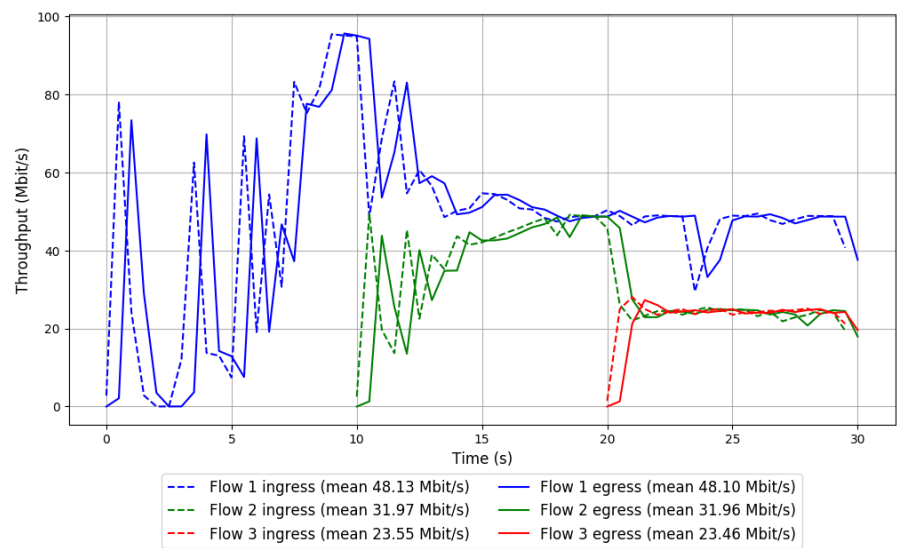


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 21:11:20
End at: 2018-08-22 21:11:50
Local clock offset: -3.642 ms
Remote clock offset: -0.918 ms

Below is generated by plot.py at 2018-08-22 23:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 52.445 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 44.826 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 55.502 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 75.352 ms
Loss rate: 1.03%

Run 6: Report of QUIC Cubic — Data Link

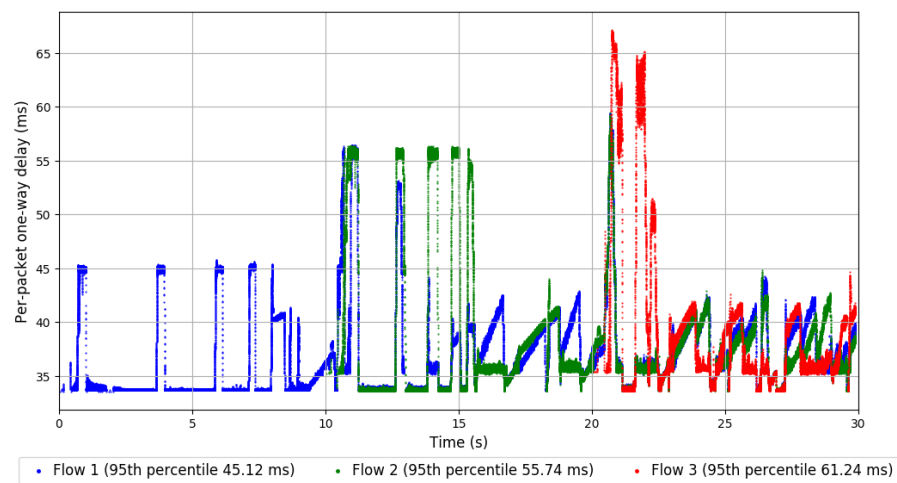
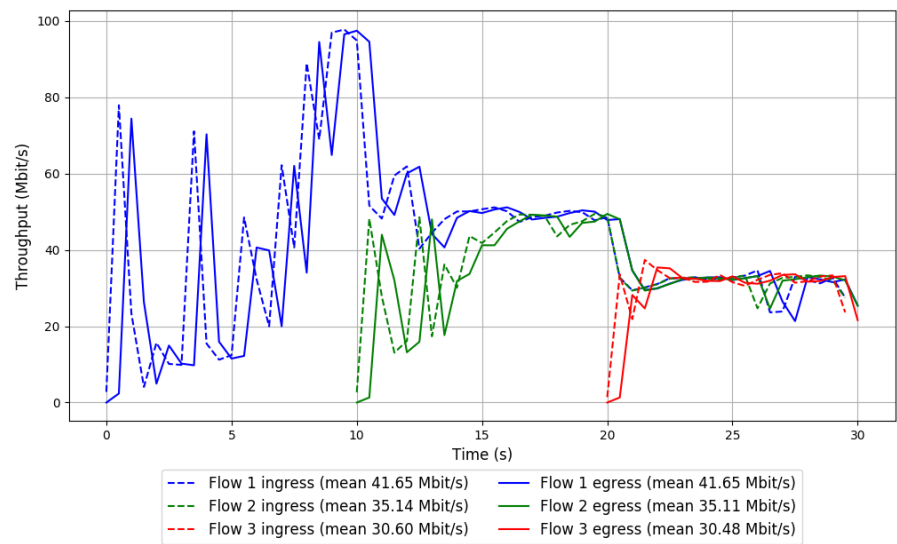


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 21:34:14
End at: 2018-08-22 21:34:44
Local clock offset: -4.72 ms
Remote clock offset: -2.056 ms

Below is generated by plot.py at 2018-08-22 23:09:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 54.730 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 45.125 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 55.740 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 1.08%

Run 7: Report of QUIC Cubic — Data Link

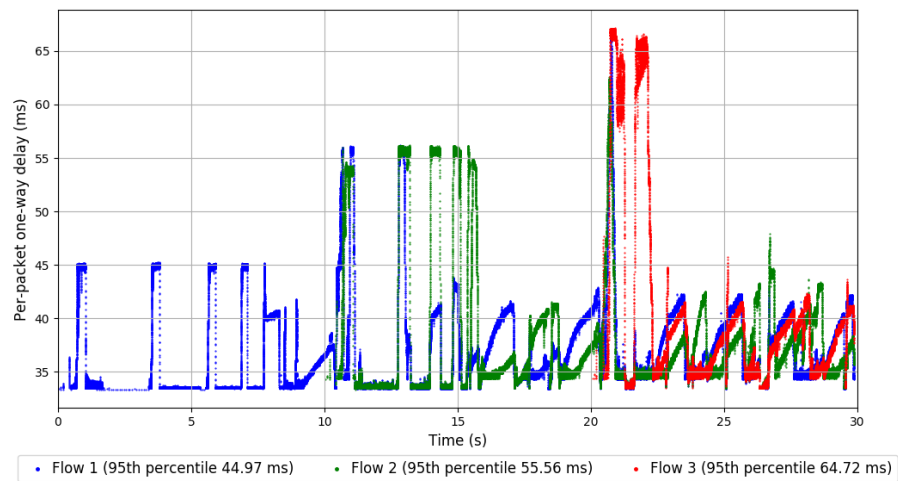
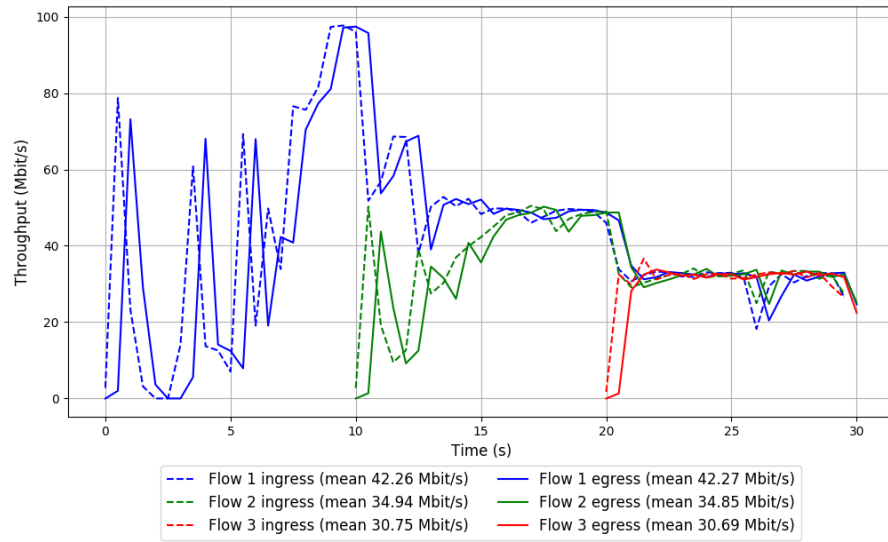


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 21:57:27
End at: 2018-08-22 21:57:57
Local clock offset: 0.544 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2018-08-22 23:10:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 55.125 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 44.970 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 55.558 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 64.723 ms
Loss rate: 0.80%

Run 8: Report of QUIC Cubic — Data Link

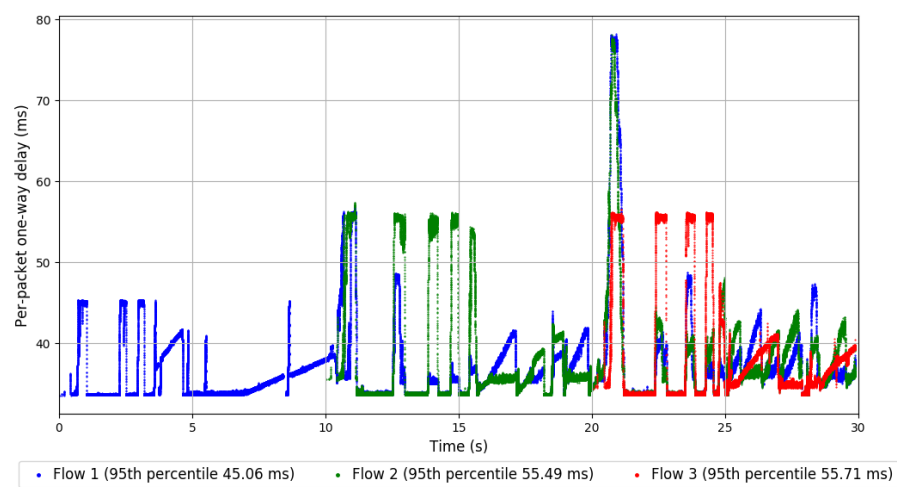
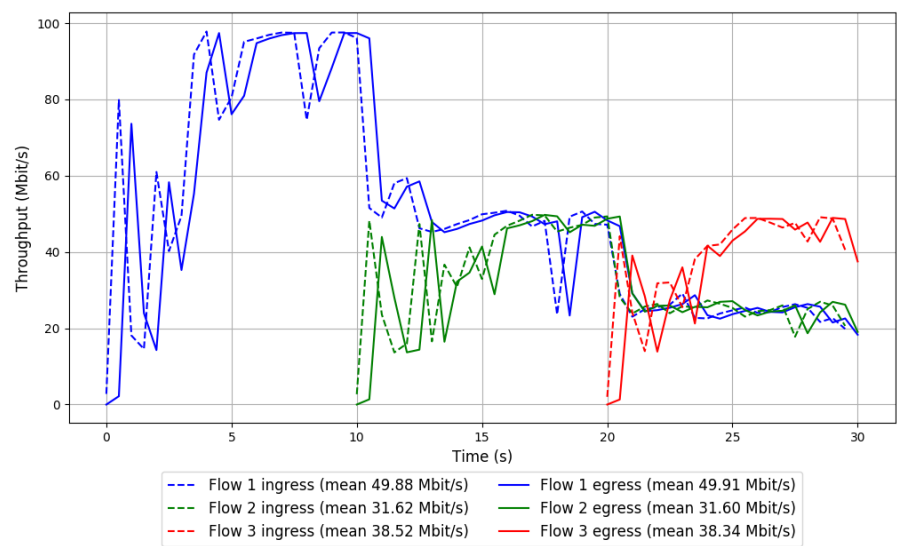


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 22:20:29
End at: 2018-08-22 22:20:59
Local clock offset: 0.732 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-08-22 23:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 55.218 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 45.059 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 55.489 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 55.709 ms
Loss rate: 1.10%

Run 9: Report of QUIC Cubic — Data Link

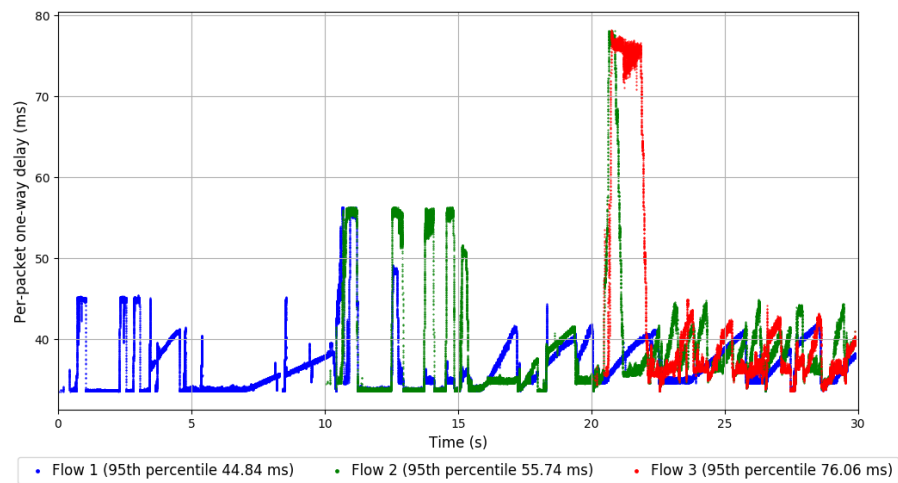
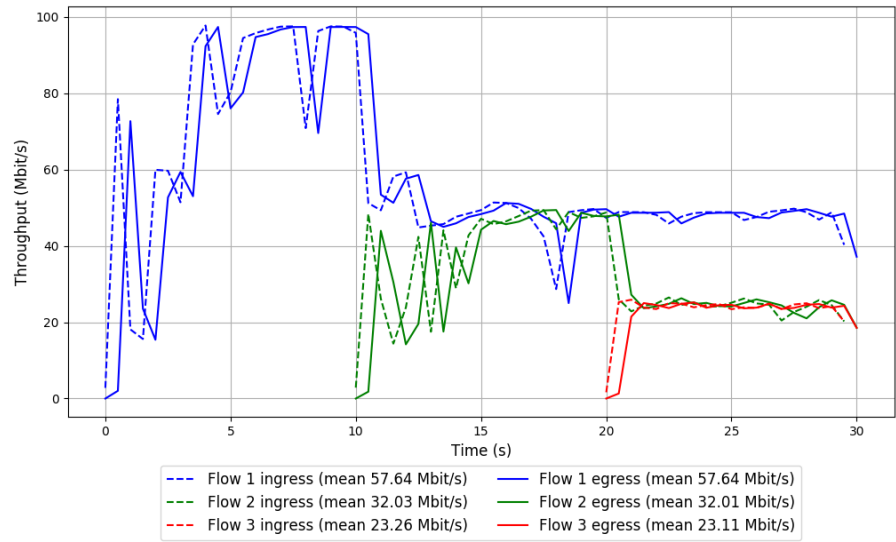


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 22:43:33
End at: 2018-08-22 22:44:03
Local clock offset: 0.656 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 52.629 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 44.839 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 55.745 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 76.057 ms
Loss rate: 1.26%

Run 10: Report of QUIC Cubic — Data Link

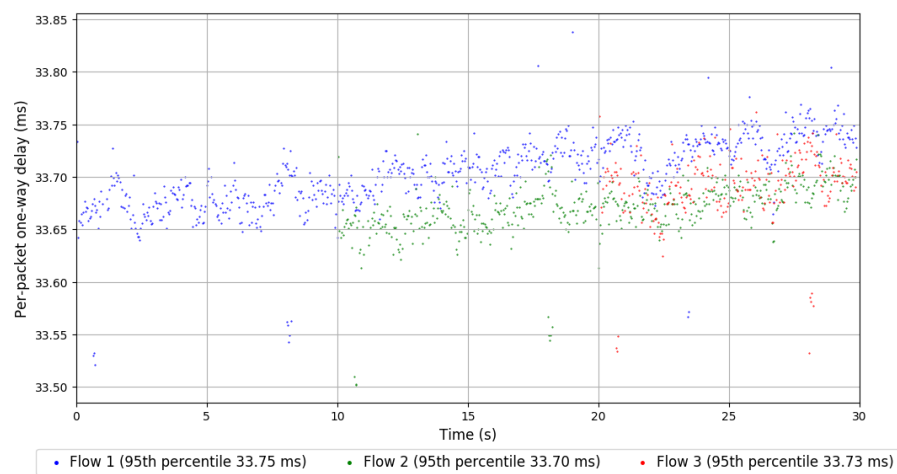
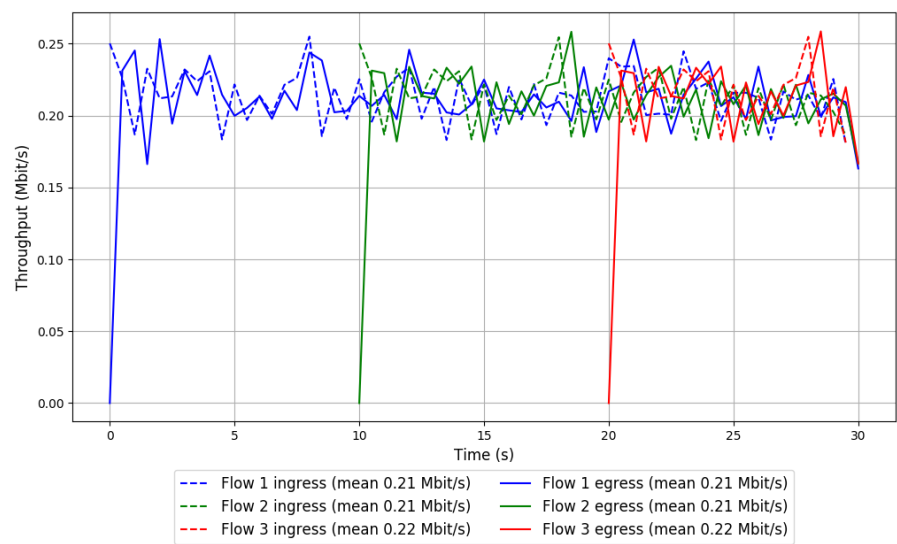


Run 1: Statistics of SReAM

Start at: 2018-08-22 19:04:11
End at: 2018-08-22 19:04:41
Local clock offset: -0.131 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.742 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.748 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.732 ms
Loss rate: 0.71%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-08-22 19:27:06

End at: 2018-08-22 19:27:36

Local clock offset: 0.104 ms

Remote clock offset: 0.734 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.656 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.656 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.626 ms

Loss rate: 0.40%

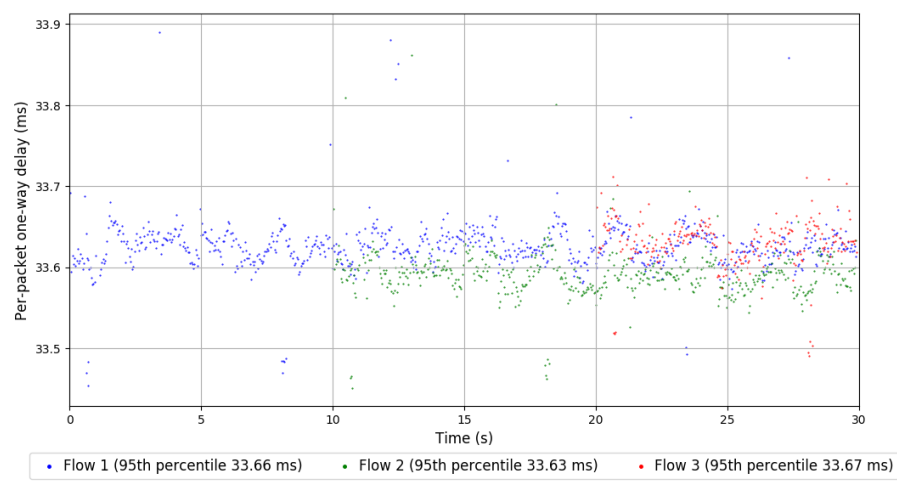
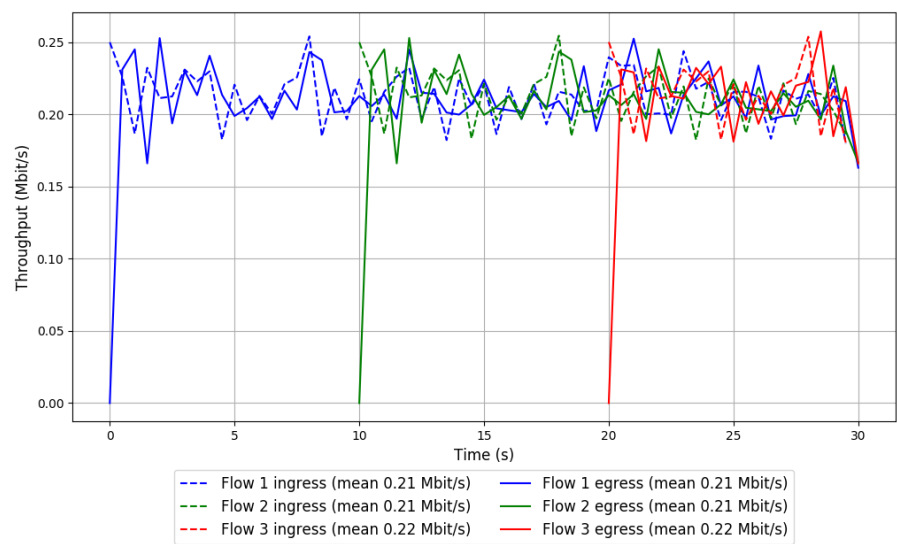
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.670 ms

Loss rate: 0.71%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-22 19:50:13

End at: 2018-08-22 19:50:43

Local clock offset: 0.321 ms

Remote clock offset: 1.284 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.672 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.641 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.644 ms

Loss rate: 0.40%

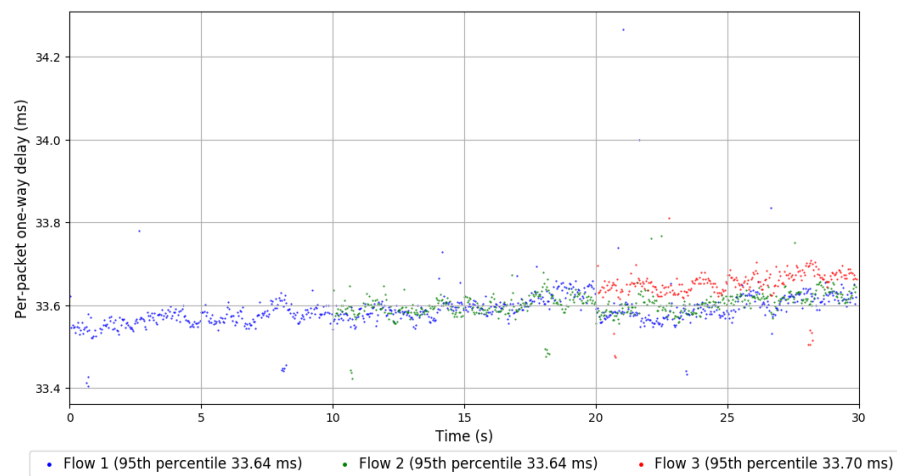
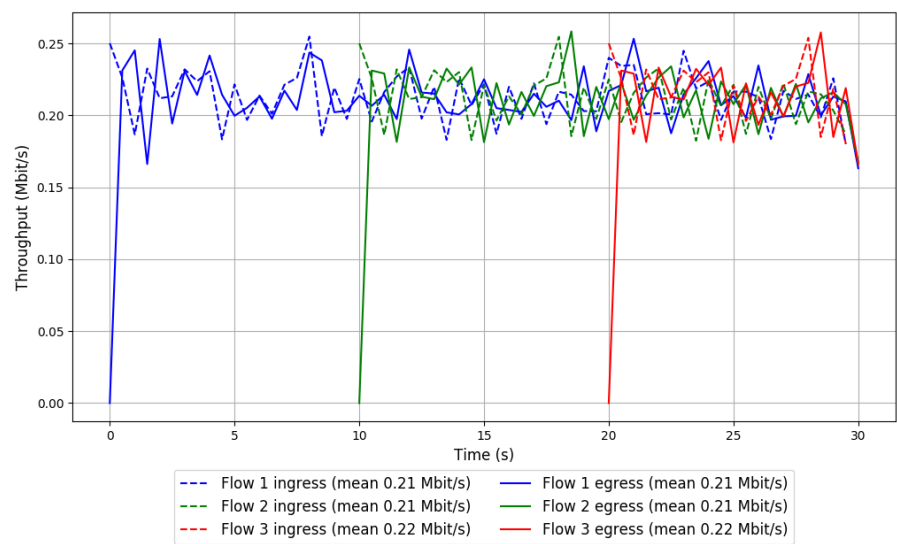
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.695 ms

Loss rate: 0.71%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-22 20:13:07

End at: 2018-08-22 20:13:37

Local clock offset: 0.322 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.781 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.776 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.765 ms

Loss rate: 0.19%

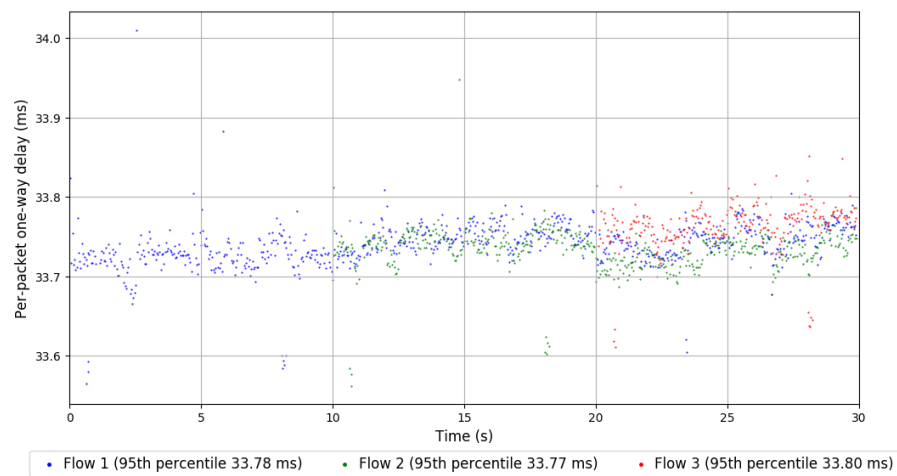
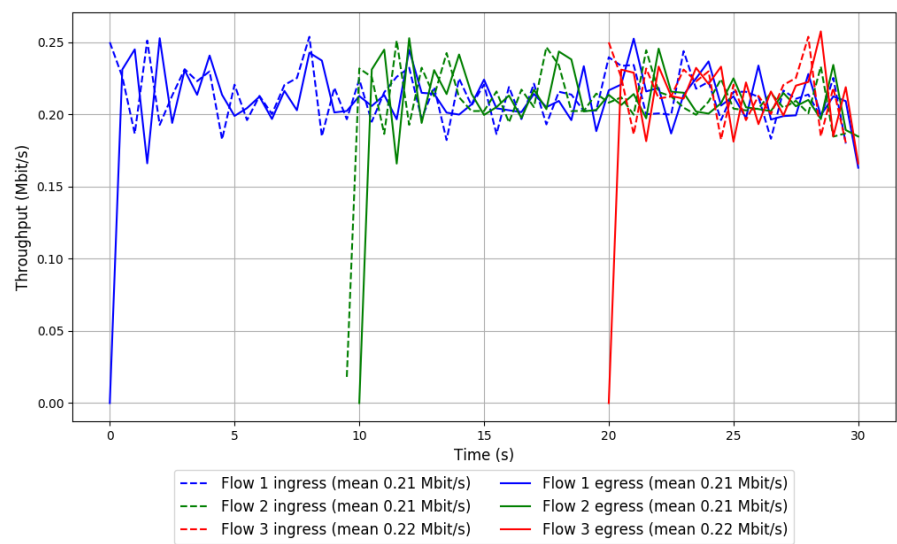
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.800 ms

Loss rate: 0.71%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-22 20:36:11

End at: 2018-08-22 20:36:41

Local clock offset: 0.488 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.437 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.433 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.431 ms

Loss rate: 0.40%

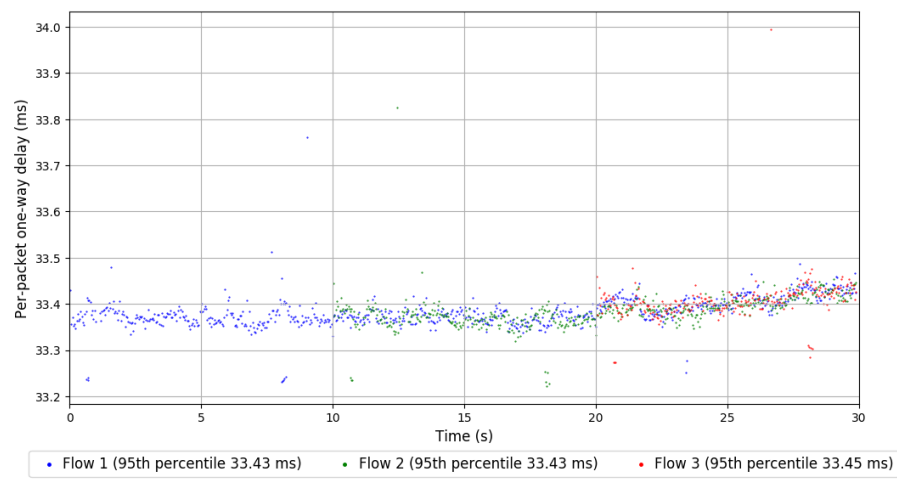
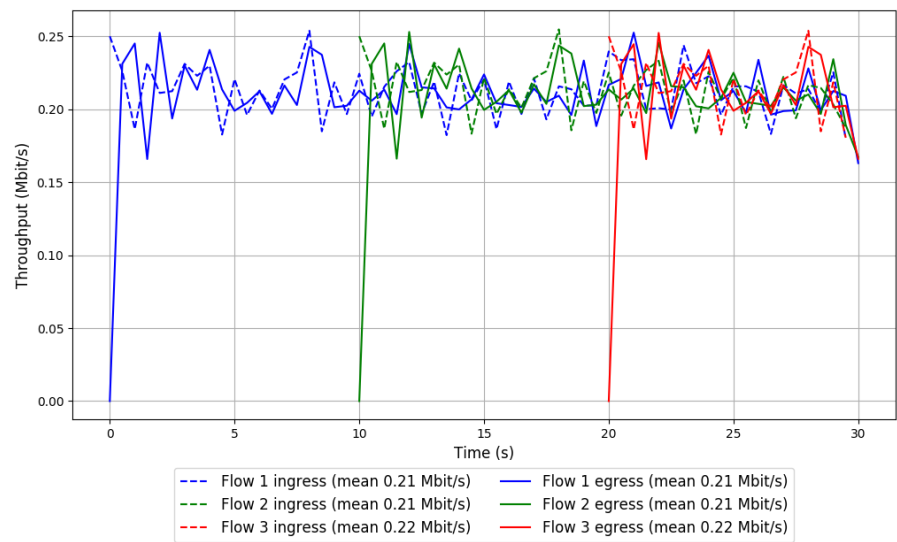
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.448 ms

Loss rate: 0.71%

Run 5: Report of SReAM — Data Link

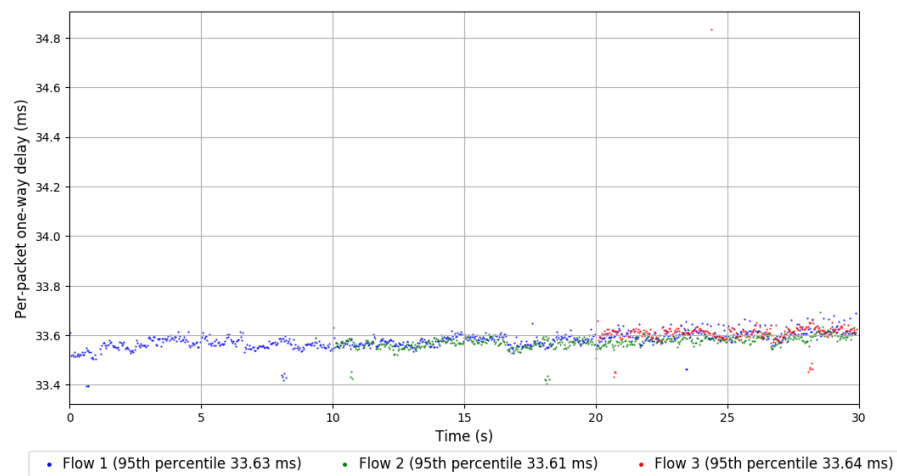
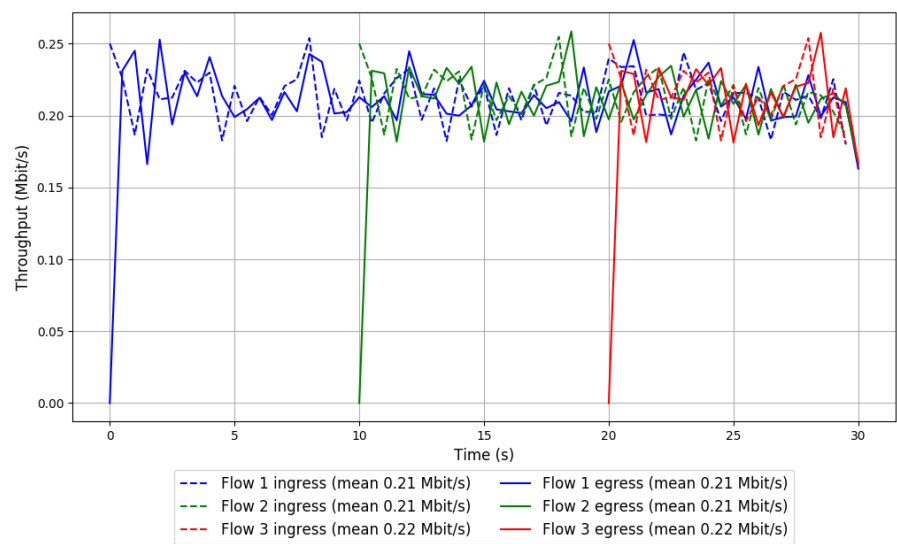


Run 6: Statistics of SReAM

Start at: 2018-08-22 20:59:09
End at: 2018-08-22 20:59:39
Local clock offset: -3.15 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.630 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.634 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.609 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.639 ms
Loss rate: 0.71%

Run 6: Report of SReAM — Data Link

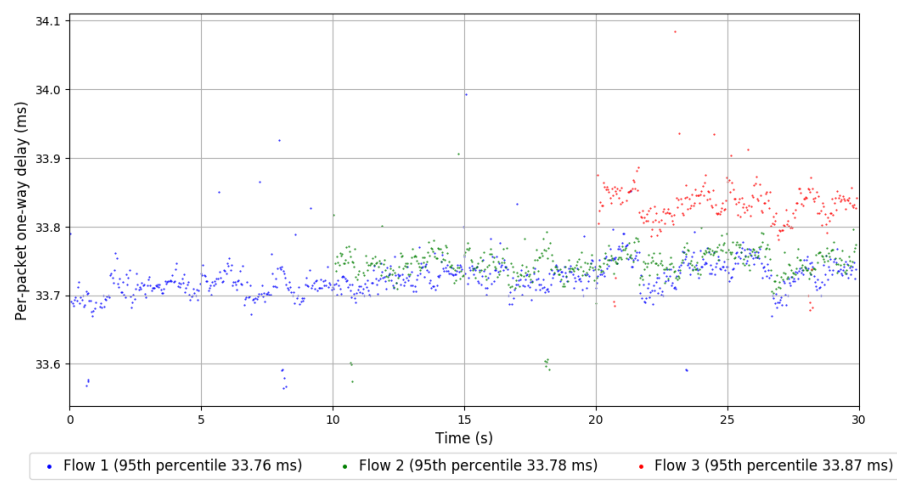
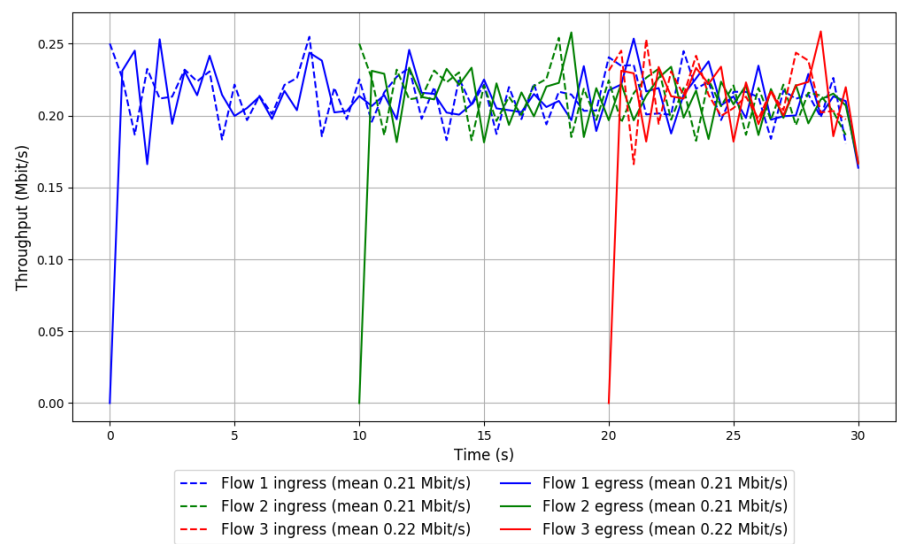


Run 7: Statistics of SReAM

Start at: 2018-08-22 21:22:03
End at: 2018-08-22 21:22:33
Local clock offset: -4.129 ms
Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.846 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.763 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.776 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.868 ms
Loss rate: 0.71%

Run 7: Report of SReAM — Data Link

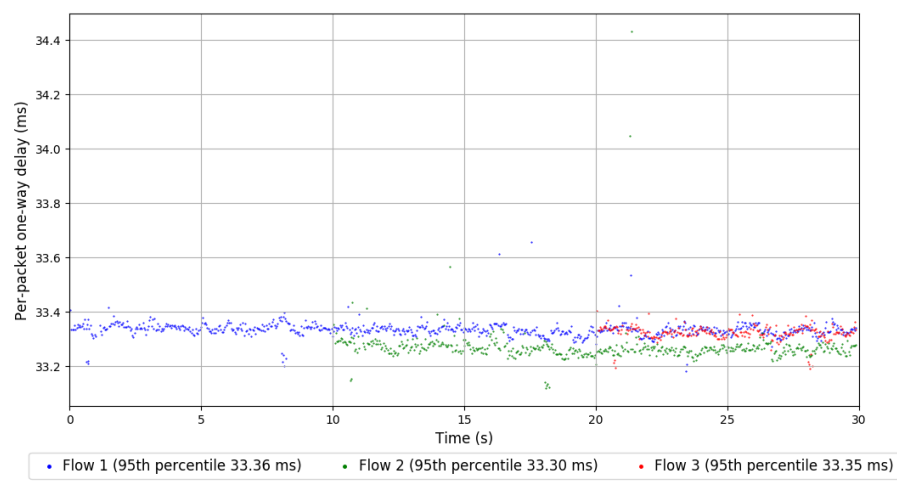
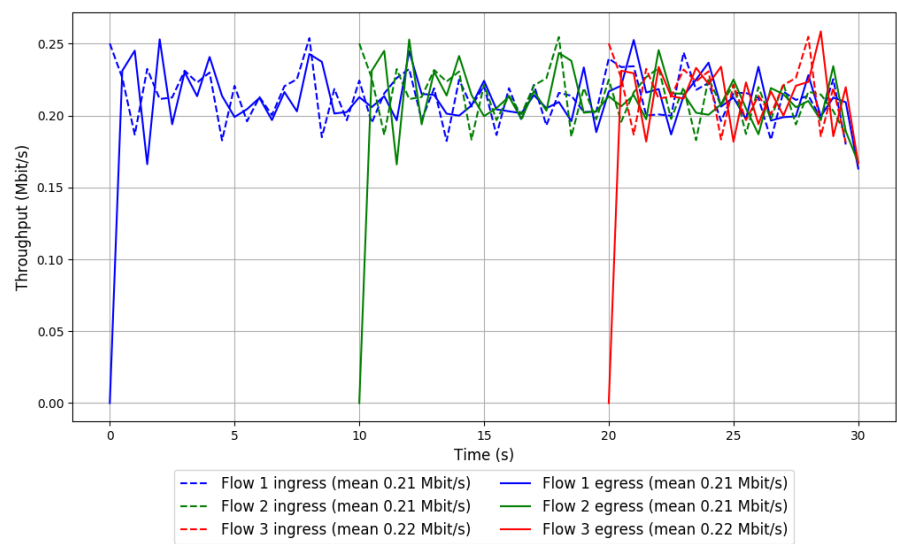


Run 8: Statistics of SReAM

Start at: 2018-08-22 21:44:55
End at: 2018-08-22 21:45:25
Local clock offset: -1.571 ms
Remote clock offset: -1.764 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.360 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.364 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.304 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.355 ms
Loss rate: 0.71%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

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

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

Local clock offset: 1.255 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.721 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.711 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.730 ms

Loss rate: 0.40%

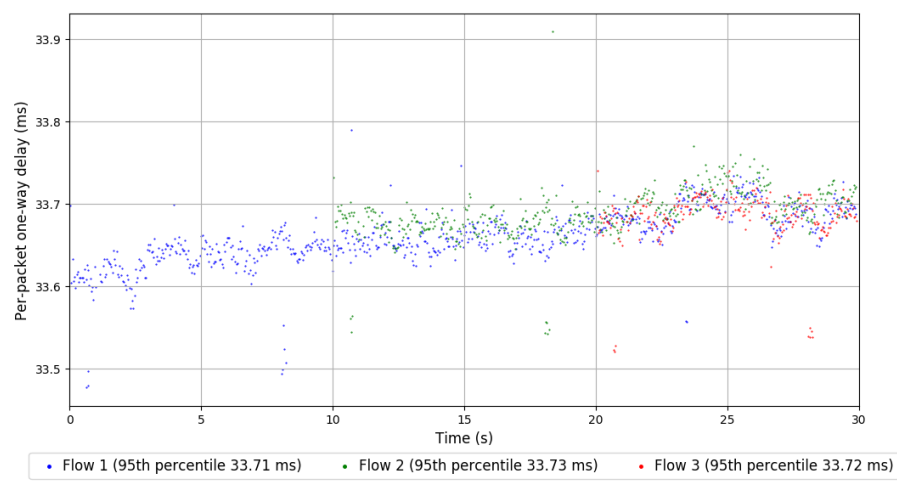
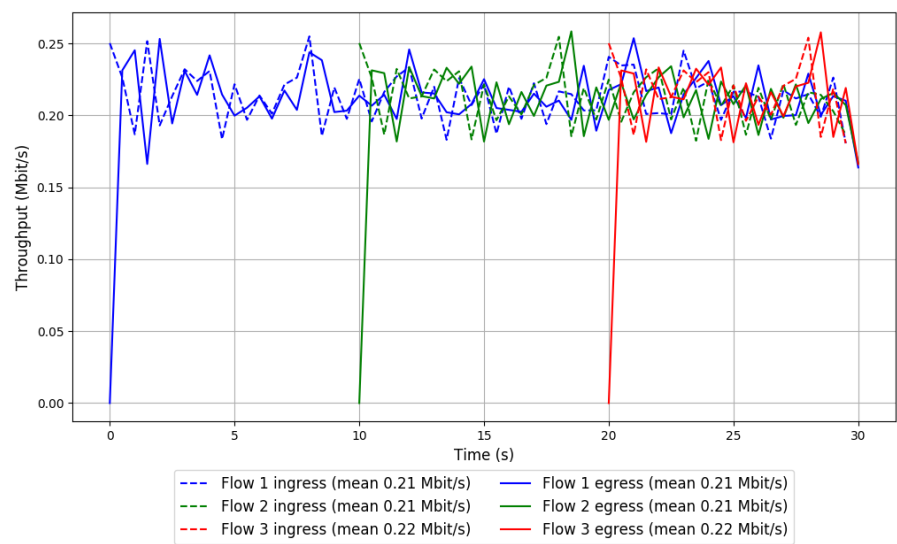
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.715 ms

Loss rate: 0.71%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-22 22:31:13

End at: 2018-08-22 22:31:43

Local clock offset: 0.811 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.887 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.847 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.872 ms

Loss rate: 0.40%

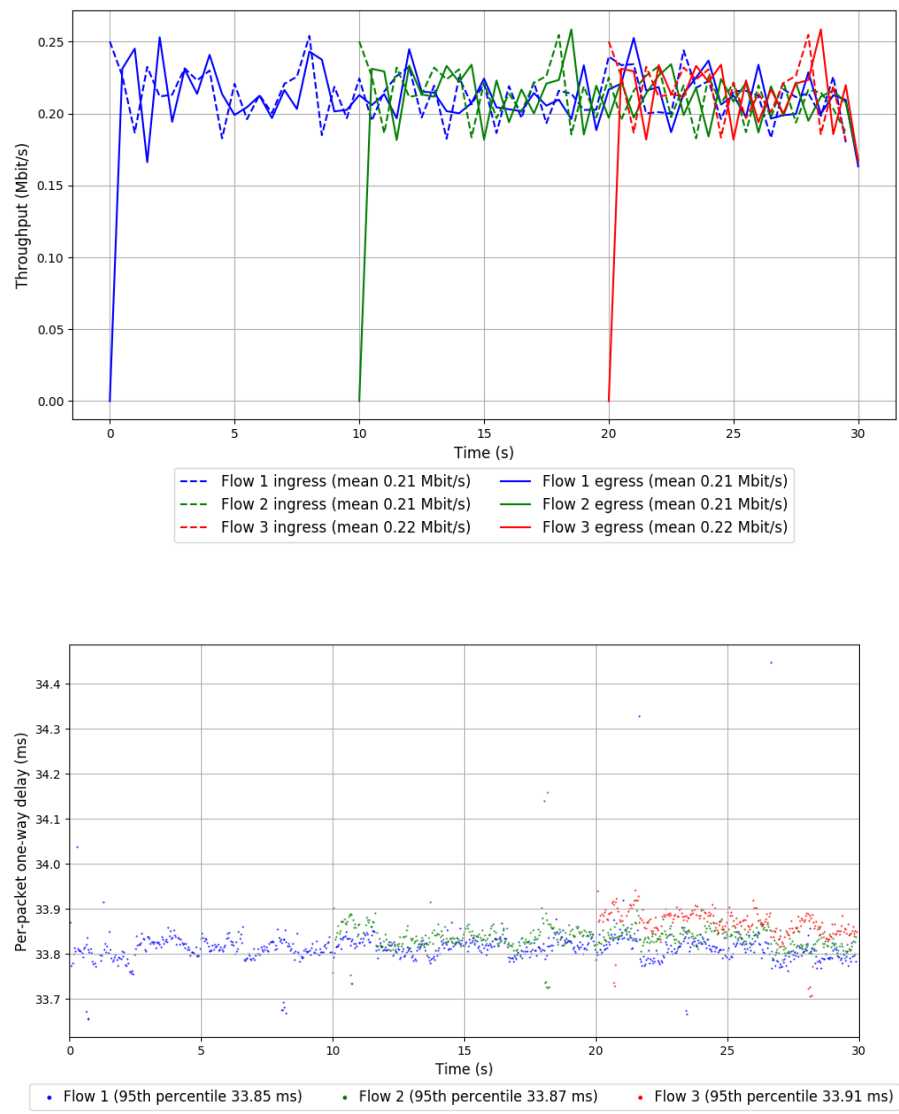
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.909 ms

Loss rate: 0.71%

Run 10: Report of SReAM — Data Link

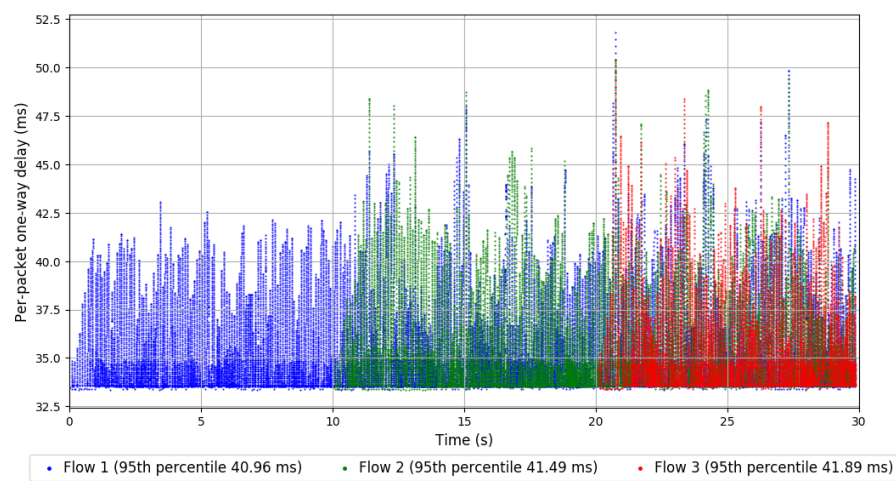
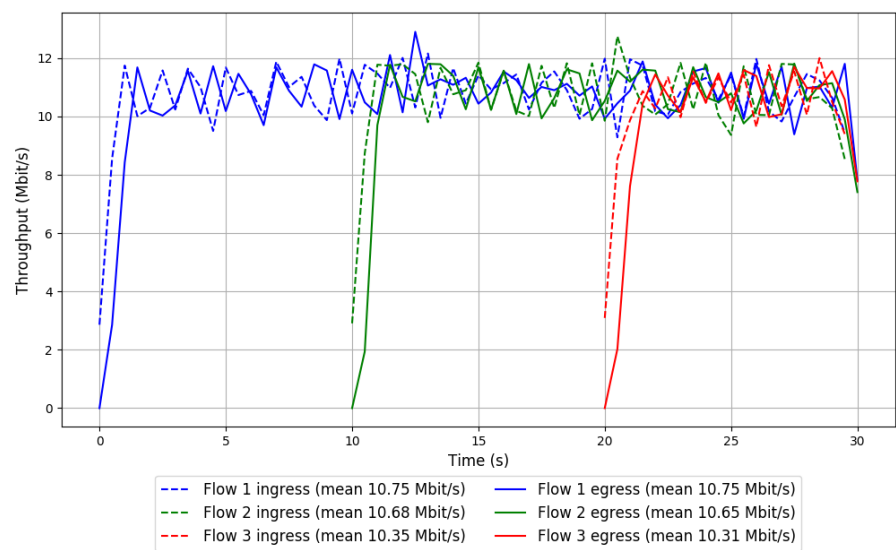


Run 1: Statistics of Sprout

Start at: 2018-08-22 19:00:14
End at: 2018-08-22 19:00:44
Local clock offset: -0.062 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 41.304 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 40.958 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 41.491 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 41.891 ms
Loss rate: 0.97%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-22 19:23:09

End at: 2018-08-22 19:23:39

Local clock offset: 0.063 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 41.121 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 40.984 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 10.57 Mbit/s

95th percentile per-packet one-way delay: 41.261 ms

Loss rate: 0.10%

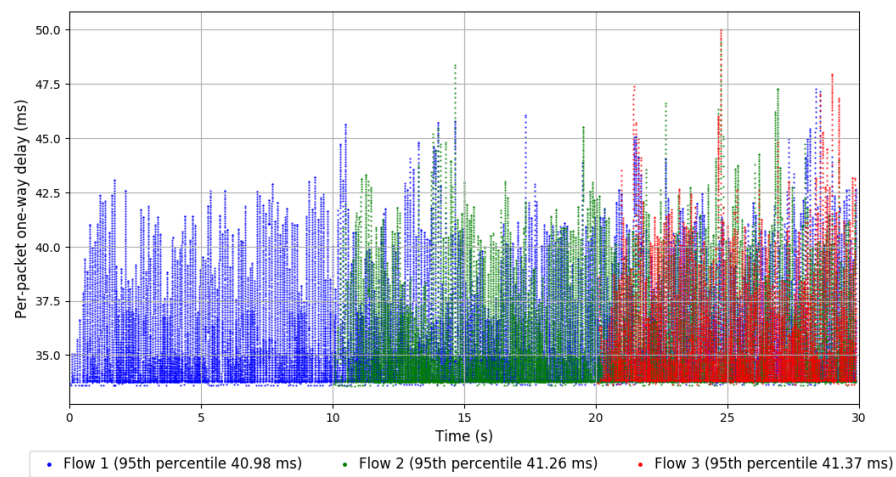
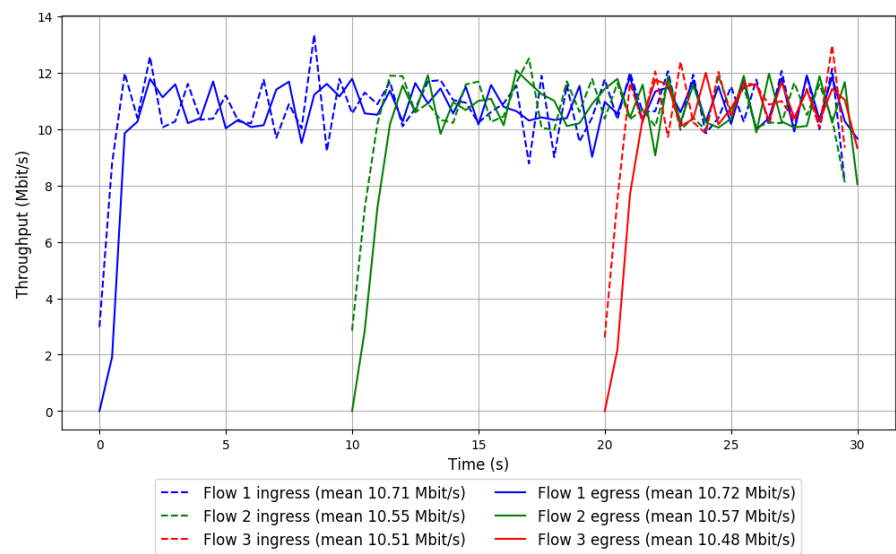
-- Flow 3:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 41.372 ms

Loss rate: 0.97%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-22 19:46:14

End at: 2018-08-22 19:46:44

Local clock offset: 0.255 ms

Remote clock offset: 1.058 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 41.038 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 40.261 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 10.67 Mbit/s

95th percentile per-packet one-way delay: 41.952 ms

Loss rate: 0.00%

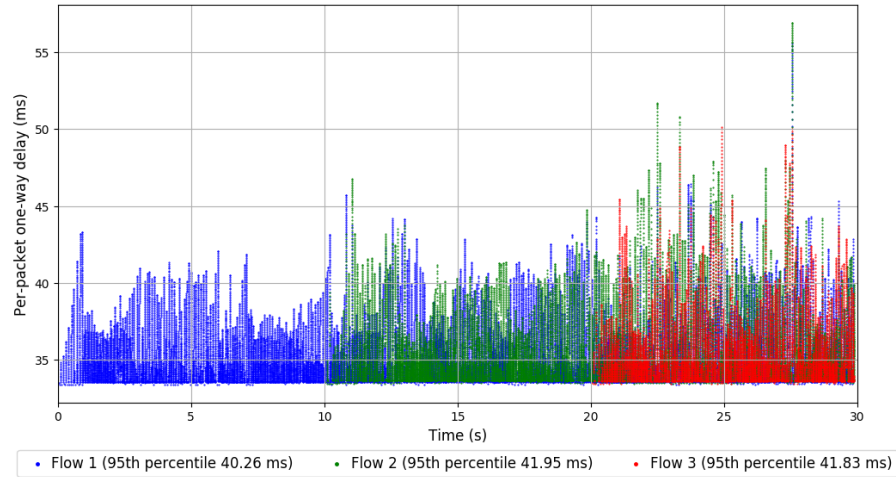
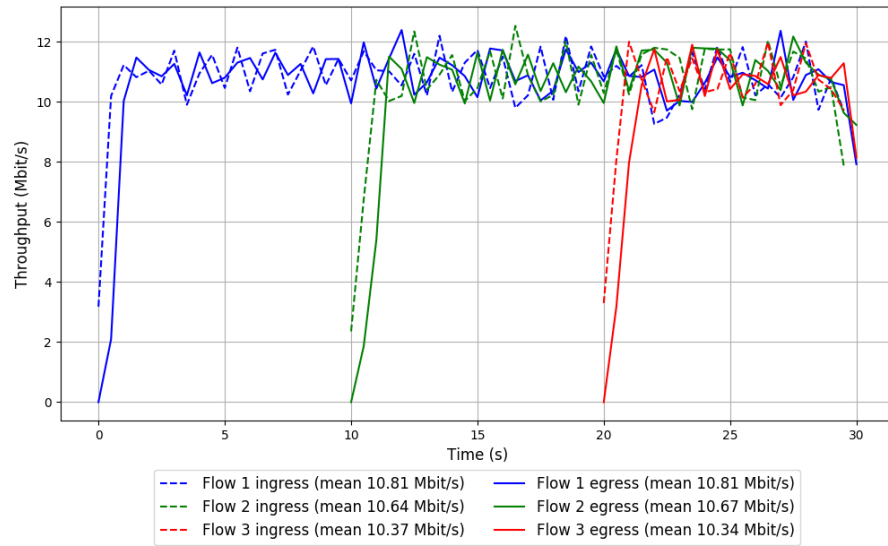
-- Flow 3:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 41.827 ms

Loss rate: 0.95%

Run 3: Report of Sprout — Data Link

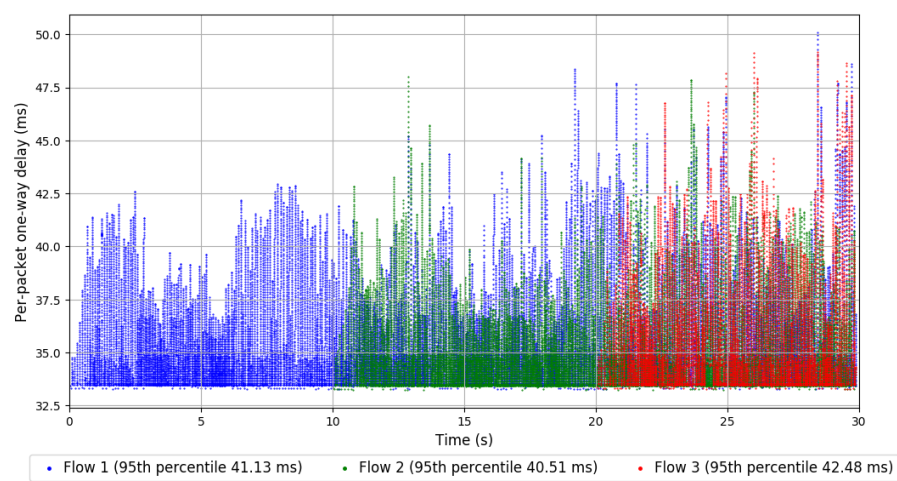
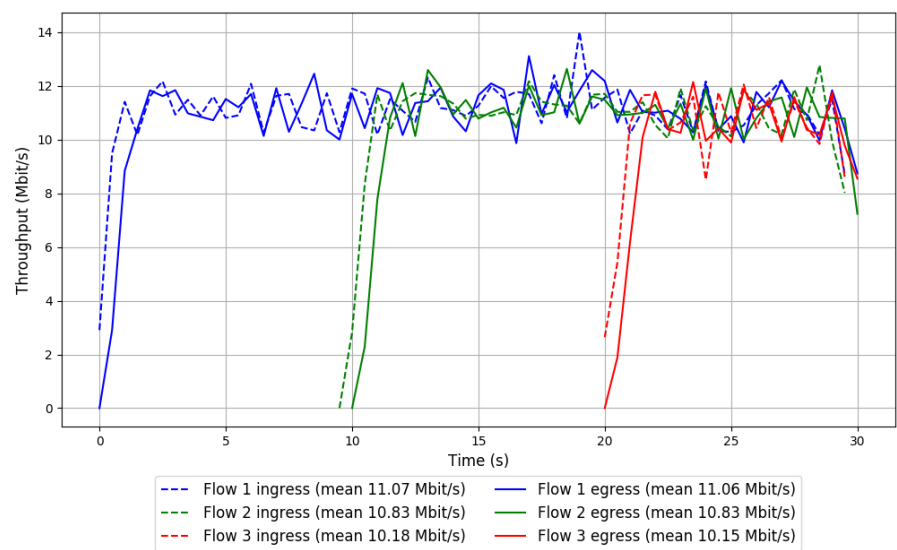


Run 4: Statistics of Sprout

Start at: 2018-08-22 20:09:10
End at: 2018-08-22 20:09:40
Local clock offset: 0.492 ms
Remote clock offset: 0.67 ms

```
# Below is generated by plot.py at 2018-08-22 23:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 41.172 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 41.132 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 40.508 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 42.479 ms
Loss rate: 1.02%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-22 20:32:13

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

Local clock offset: 0.529 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2018-08-22 23:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 41.148 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 40.889 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 41.495 ms

Loss rate: 0.38%

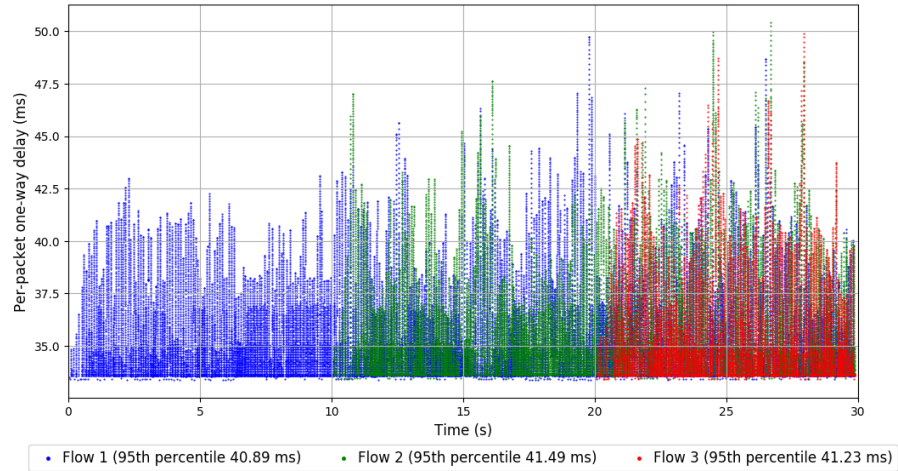
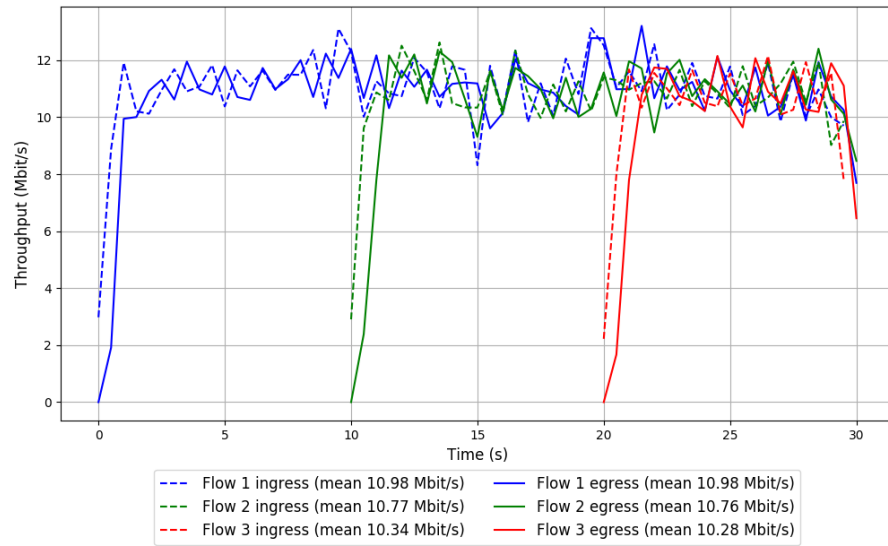
-- Flow 3:

Average throughput: 10.28 Mbit/s

95th percentile per-packet one-way delay: 41.231 ms

Loss rate: 1.02%

Run 5: Report of Sprout — Data Link

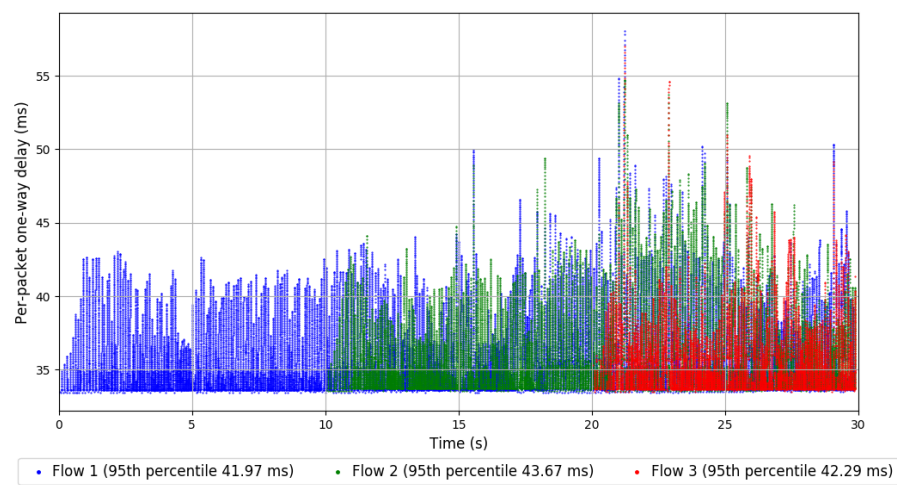
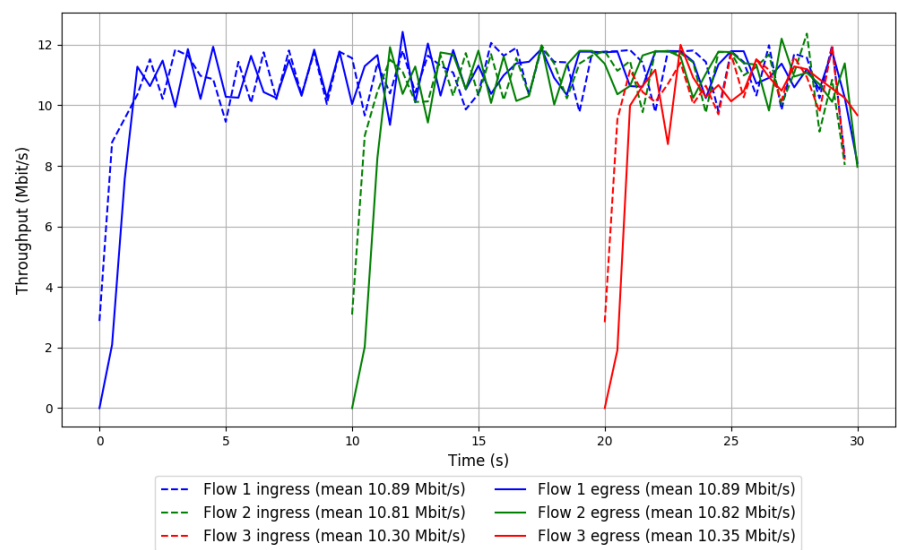


Run 6: Statistics of Sprout

Start at: 2018-08-22 20:55:11
End at: 2018-08-22 20:55:41
Local clock offset: -2.959 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 42.575 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 41.965 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 43.668 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 42.291 ms
Loss rate: 0.12%

Run 6: Report of Sprout — Data Link

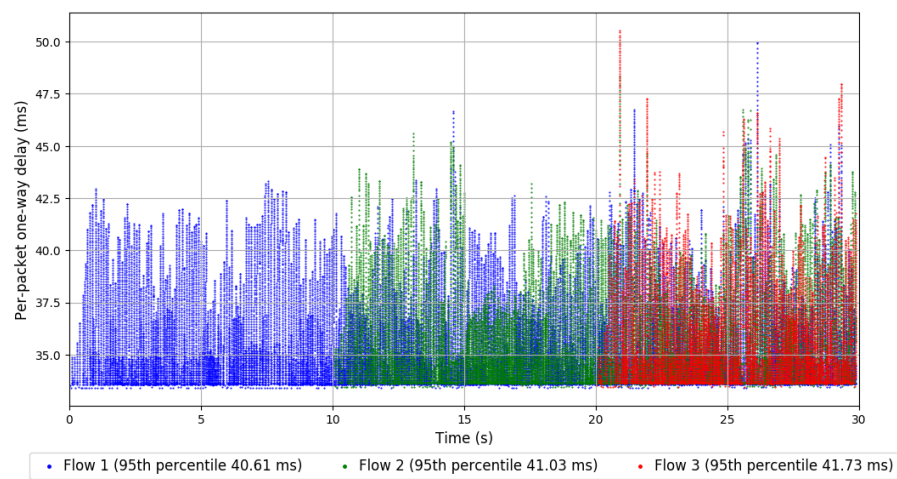
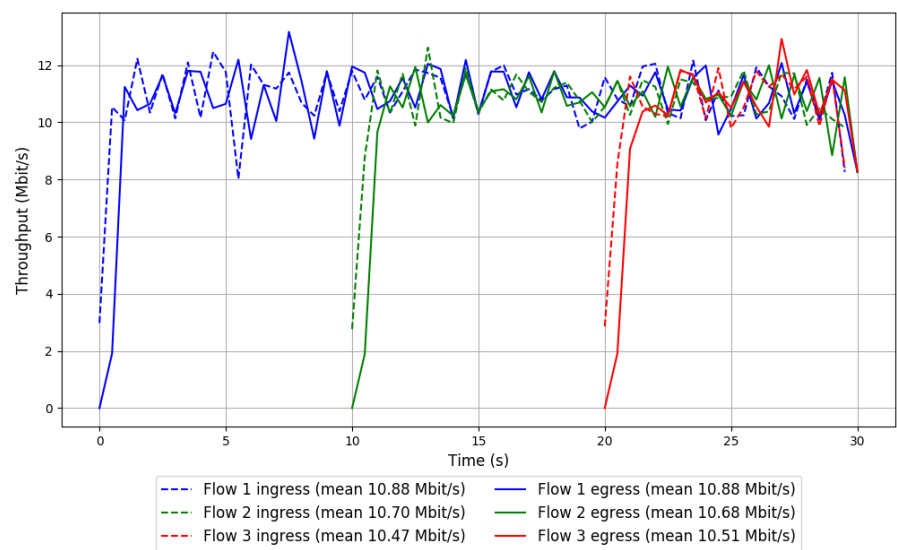


Run 7: Statistics of Sprout

Start at: 2018-08-22 21:18:06
End at: 2018-08-22 21:18:36
Local clock offset: -3.92 ms
Remote clock offset: -1.461 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 40.906 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 40.611 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 41.034 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 41.730 ms
Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

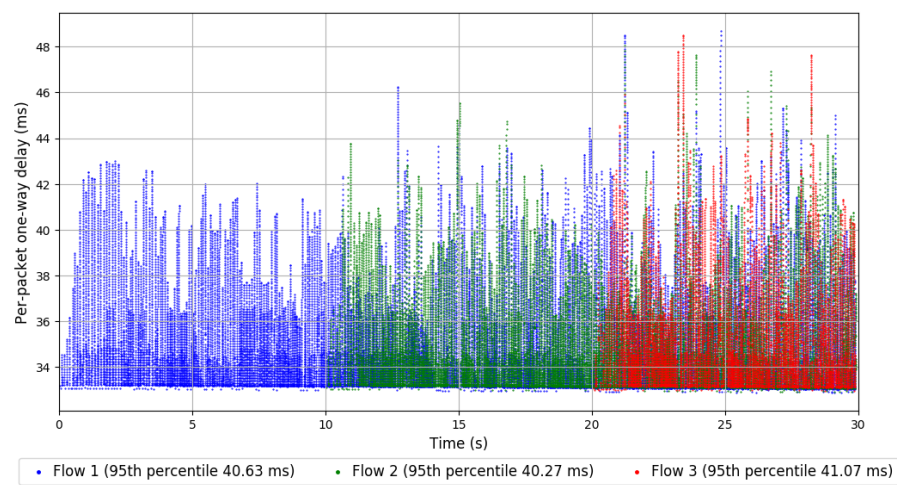
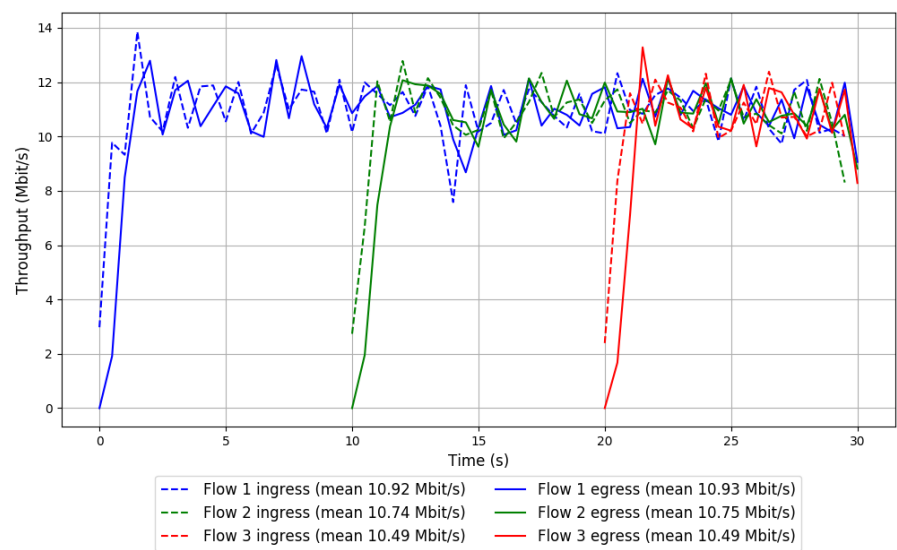


Run 8: Statistics of Sprout

Start at: 2018-08-22 21:40:58
End at: 2018-08-22 21:41:28
Local clock offset: -2.858 ms
Remote clock offset: -2.104 ms

```
# Below is generated by plot.py at 2018-08-22 23:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 40.601 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 40.632 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 41.066 ms
Loss rate: 0.95%
```

Run 8: Report of Sprout — Data Link

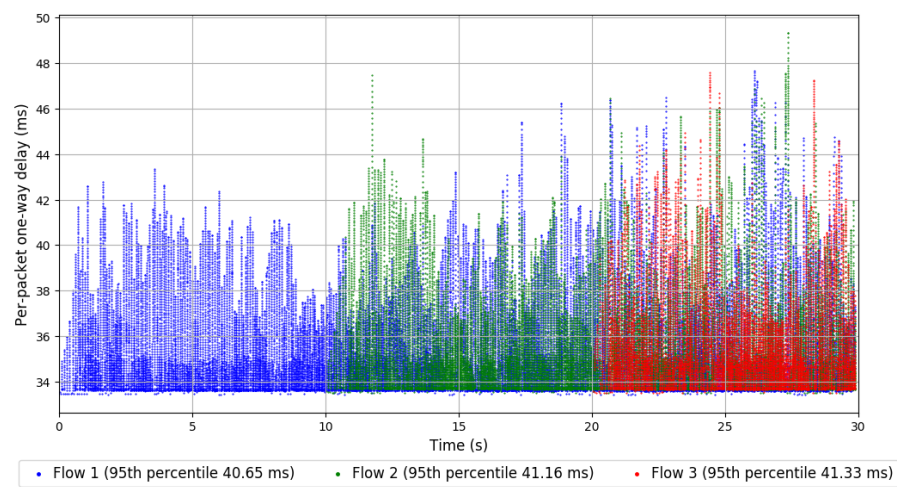
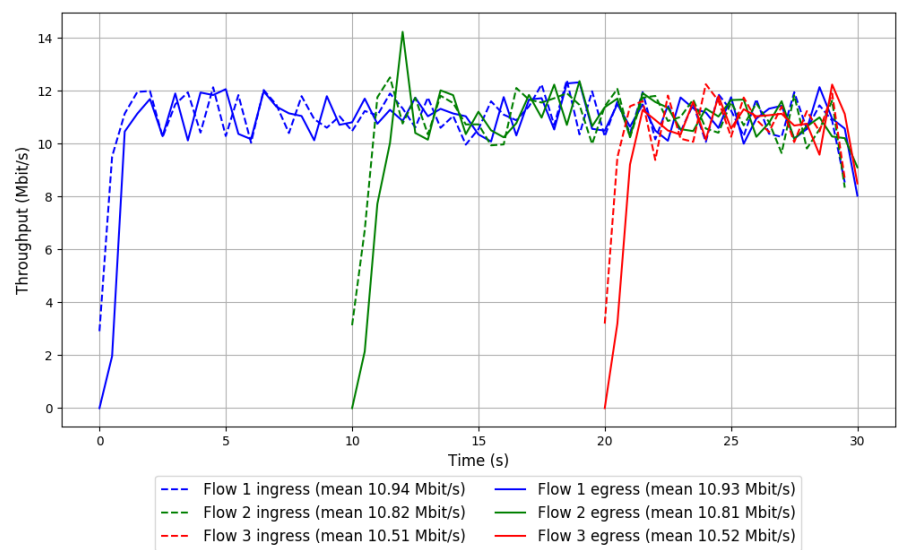


Run 9: Statistics of Sprout

Start at: 2018-08-22 22:04:14
End at: 2018-08-22 22:04:44
Local clock offset: 1.183 ms
Remote clock offset: -1.057 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 40.920 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 40.648 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 41.164 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 41.332 ms
Loss rate: 0.56%

Run 9: Report of Sprout — Data Link

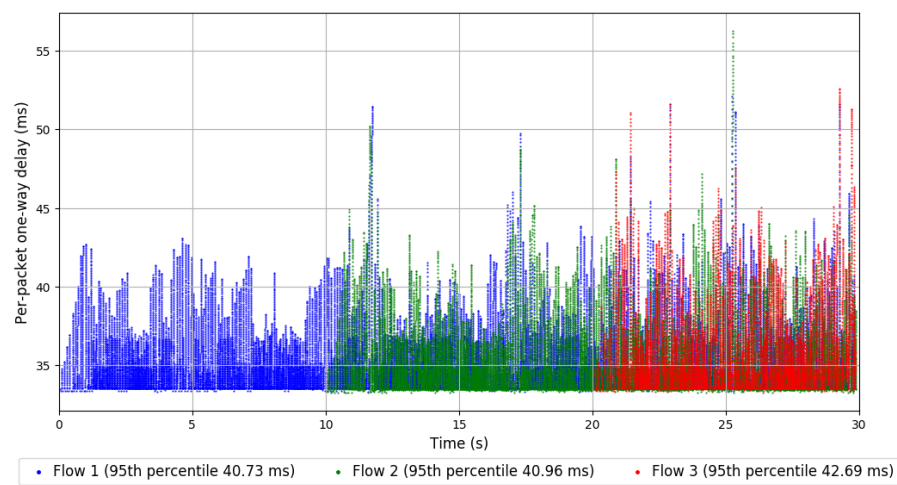
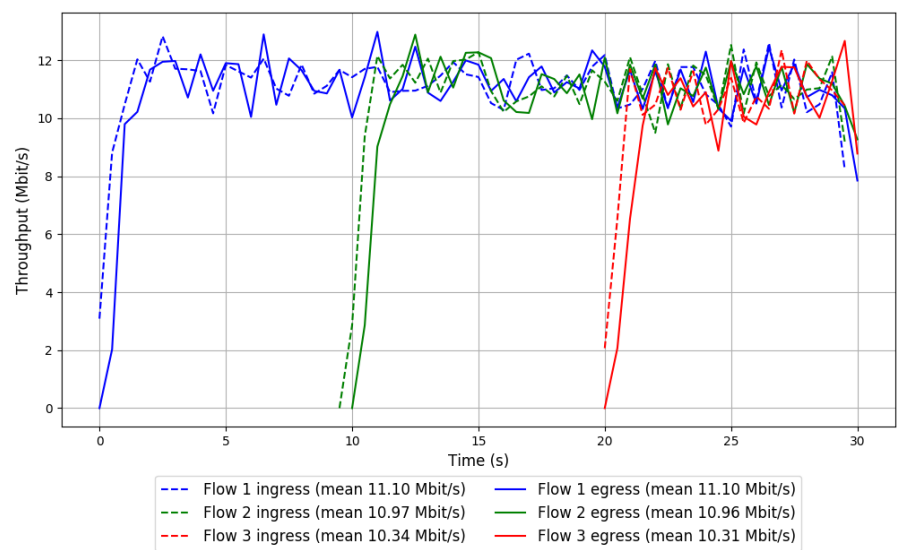


Run 10: Statistics of Sprout

Start at: 2018-08-22 22:27:16
End at: 2018-08-22 22:27:46
Local clock offset: 0.639 ms
Remote clock offset: -0.668 ms

Below is generated by plot.py at 2018-08-22 23:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 41.160 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 40.729 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 40.962 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 42.694 ms
Loss rate: 0.98%

Run 10: Report of Sprout — Data Link

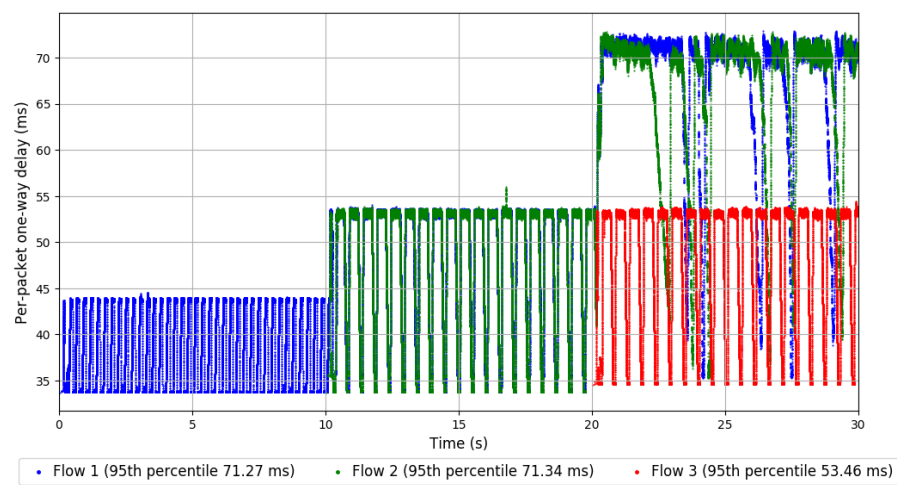
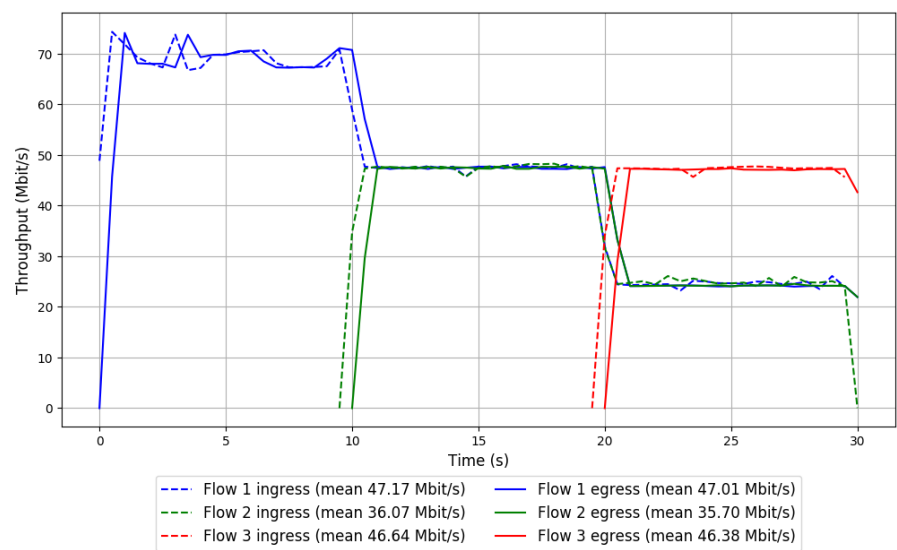


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 19:14:59
End at: 2018-08-22 19:15:29
Local clock offset: -0.029 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-22 23:12:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 71.162 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 71.271 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: 71.340 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 53.461 ms
Loss rate: 1.19%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 19:37:58

End at: 2018-08-22 19:38:28

Local clock offset: 0.16 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2018-08-22 23:12:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.06 Mbit/s

95th percentile per-packet one-way delay: 70.907 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 46.95 Mbit/s

95th percentile per-packet one-way delay: 70.926 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 53.496 ms

Loss rate: 0.63%

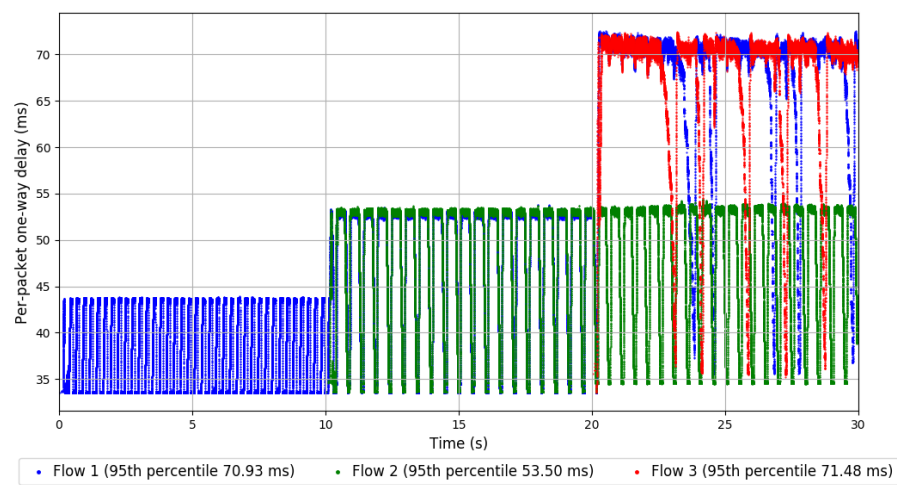
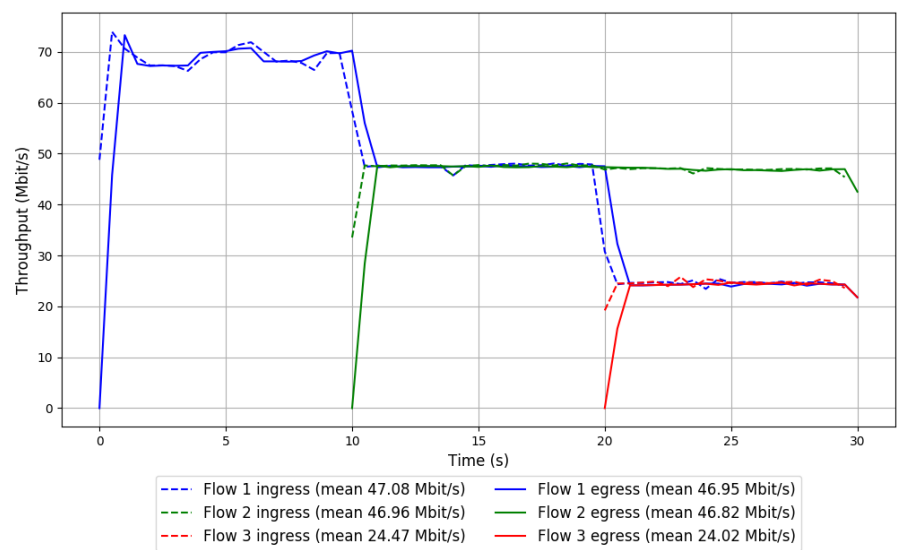
-- Flow 3:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 71.481 ms

Loss rate: 2.49%

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



Run 3: Statistics of TaoVA-100x

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

End at: 2018-08-22 20:01:31

Local clock offset: 0.481 ms

Remote clock offset: 1.493 ms

Below is generated by plot.py at 2018-08-22 23:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 70.902 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 54.77 Mbit/s

95th percentile per-packet one-way delay: 53.195 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 71.249 ms

Loss rate: 1.35%

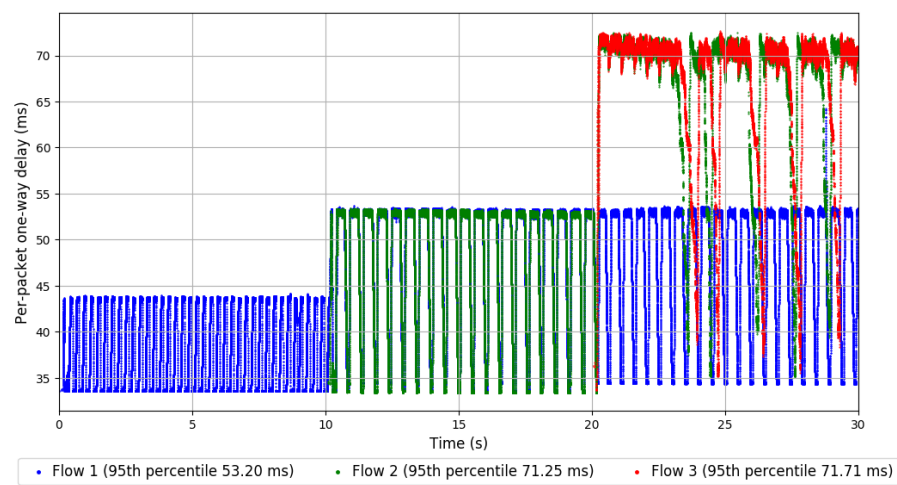
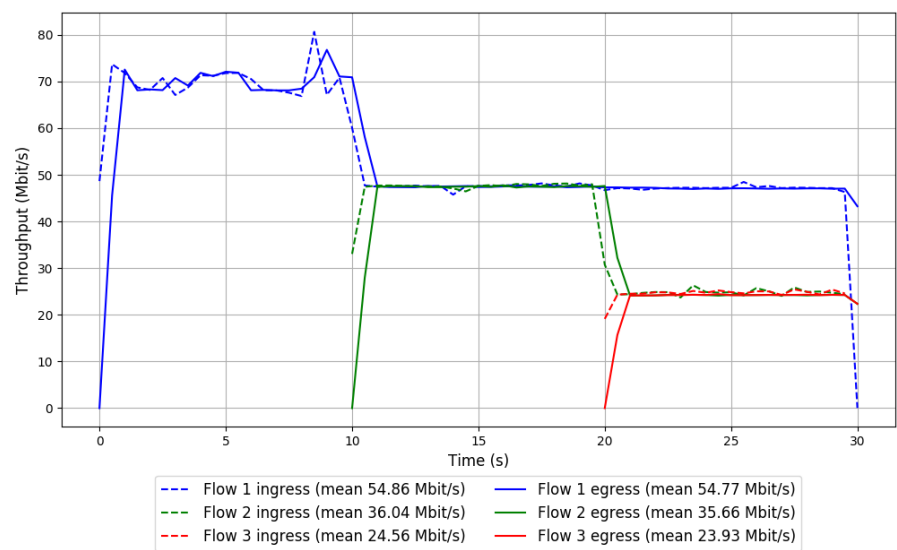
-- Flow 3:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 71.711 ms

Loss rate: 3.21%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 20:23:55

End at: 2018-08-22 20:24:25

Local clock offset: 0.313 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-08-22 23:12:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 62.456 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 62.346 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 62.405 ms

Loss rate: 1.32%

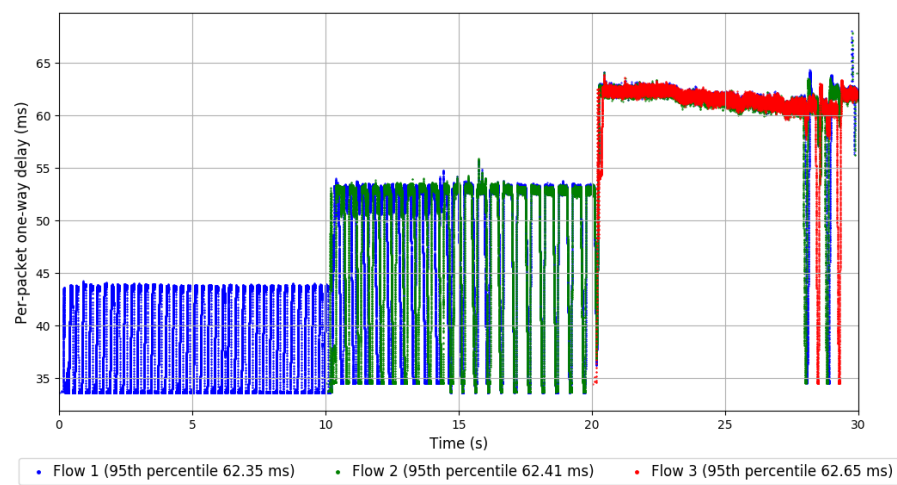
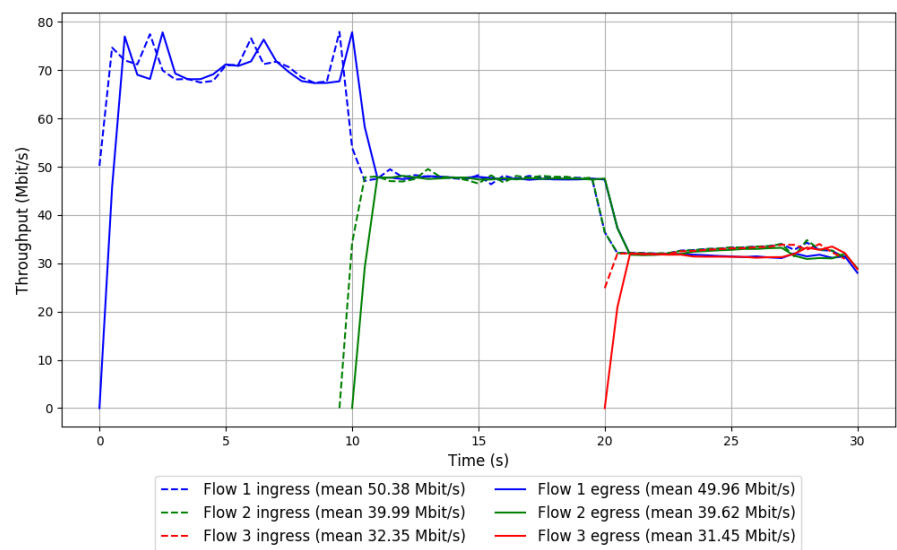
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 62.650 ms

Loss rate: 3.53%

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

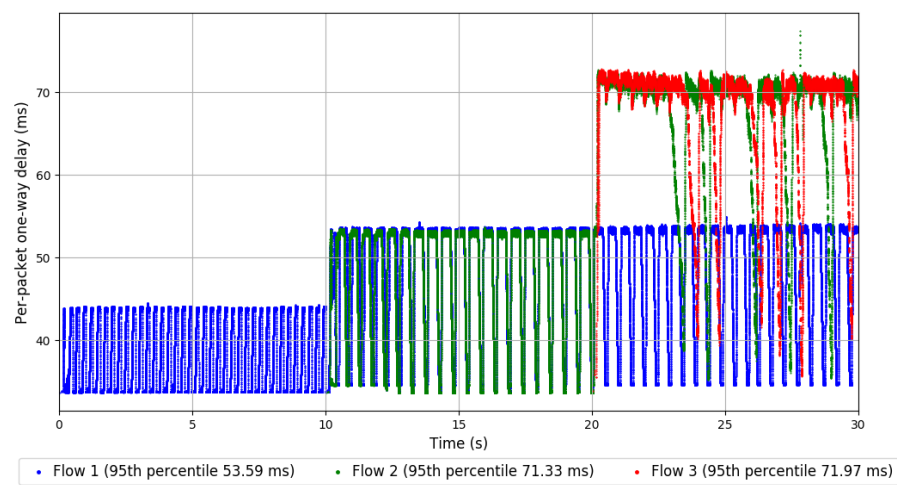
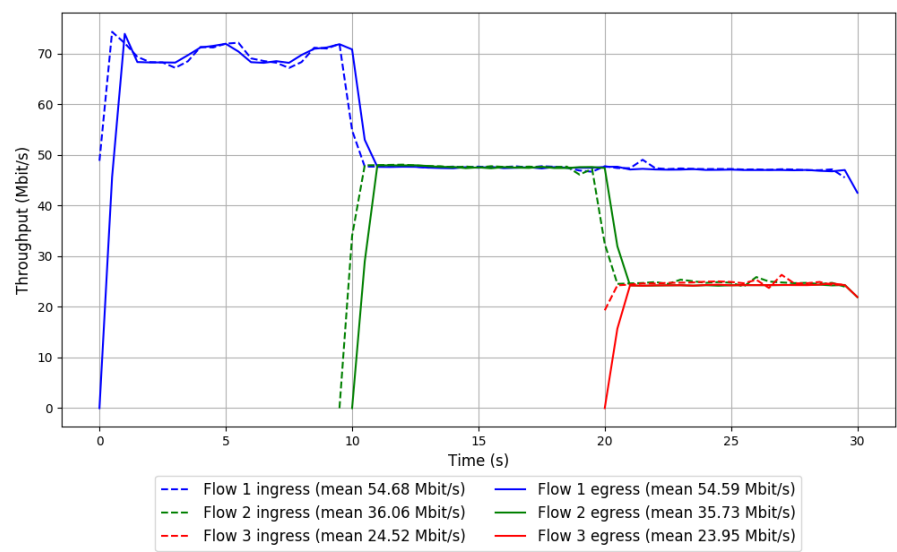


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 20:46:59
End at: 2018-08-22 20:47:29
Local clock offset: -2.071 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-22 23:12:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 71.103 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 53.595 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 71.335 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 71.970 ms
Loss rate: 2.95%

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

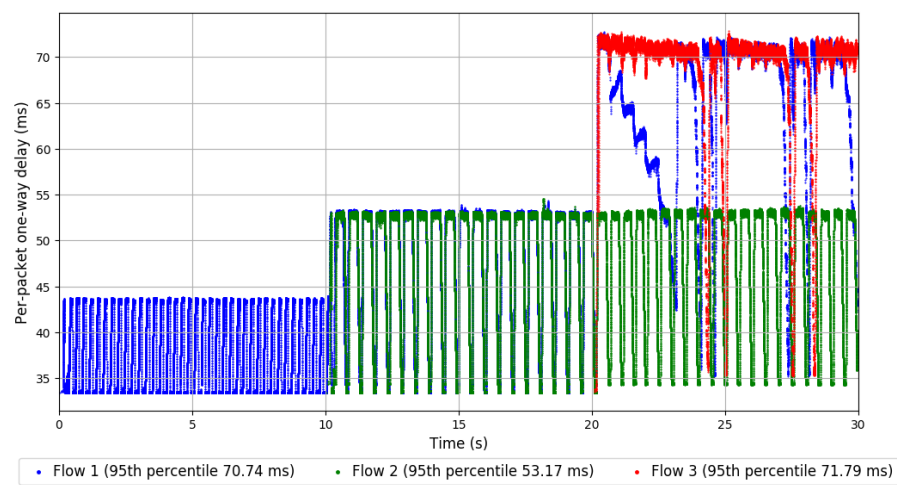
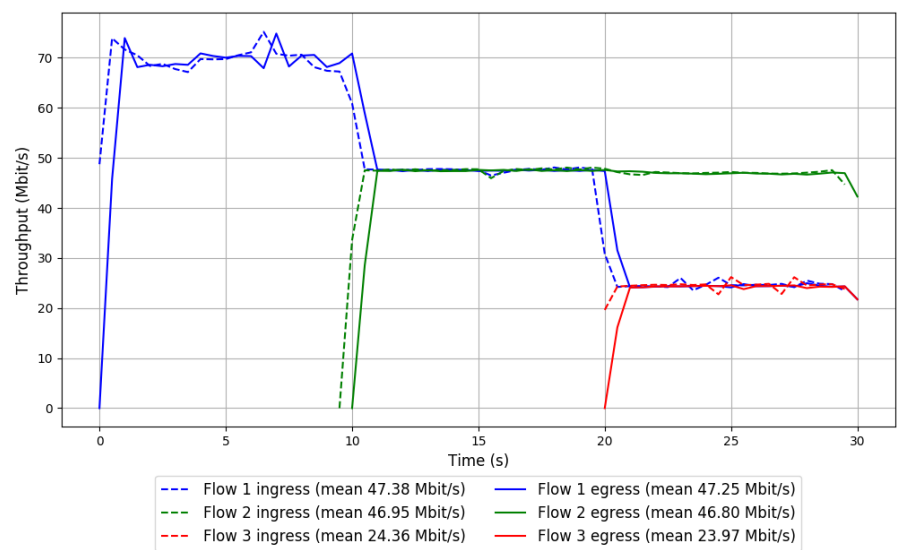


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 21:09:57
End at: 2018-08-22 21:10:27
Local clock offset: -3.608 ms
Remote clock offset: -0.898 ms

Below is generated by plot.py at 2018-08-22 23:12:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 71.005 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 47.25 Mbit/s
95th percentile per-packet one-way delay: 70.736 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 53.167 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 71.788 ms
Loss rate: 2.24%

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

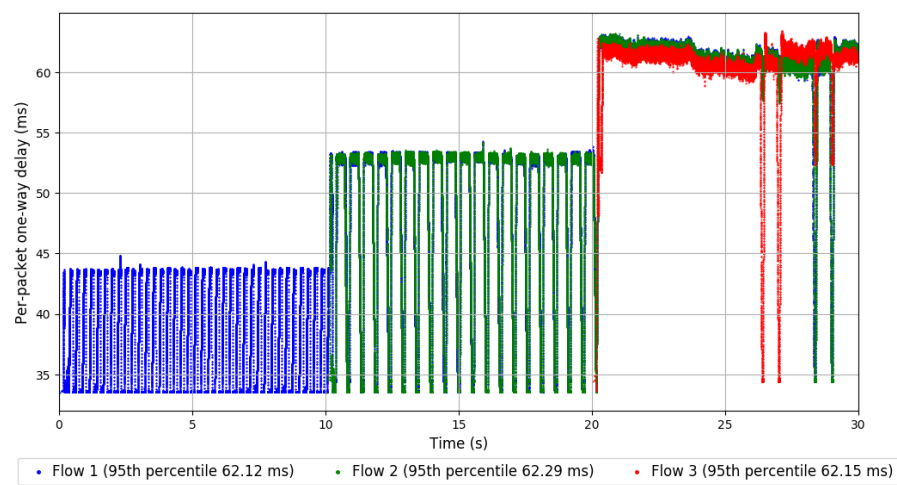
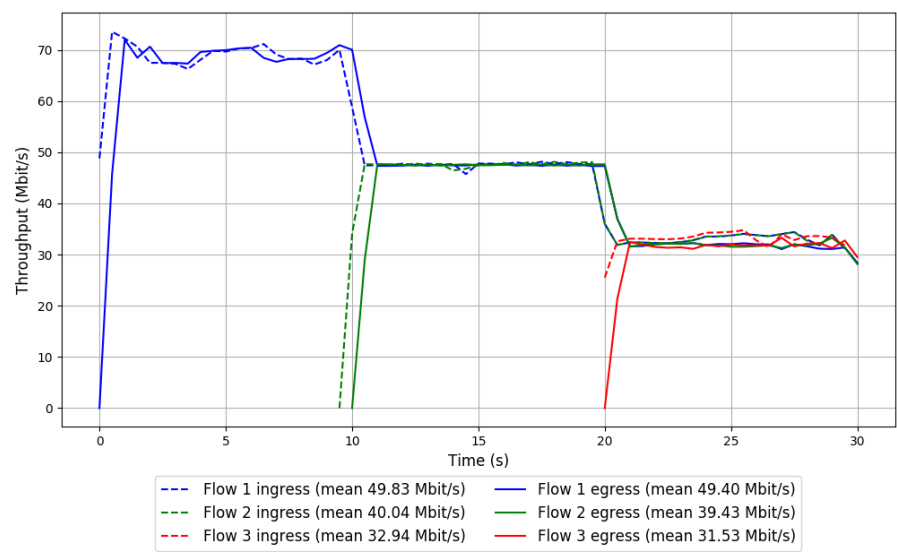


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 21:32:50
End at: 2018-08-22 21:33:20
Local clock offset: -4.672 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-08-22 23:12:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 62.190 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 62.292 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 62.145 ms
Loss rate: 5.05%

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

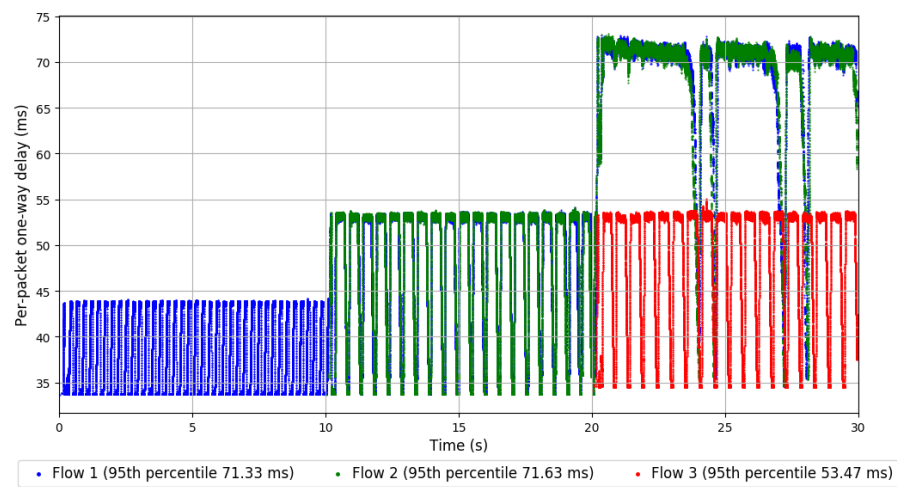
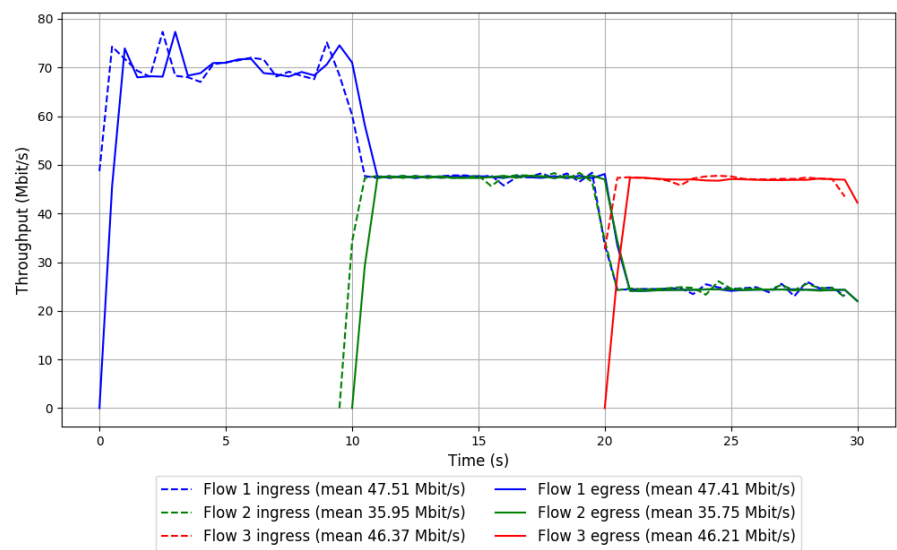


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 21:55:50
End at: 2018-08-22 21:56:20
Local clock offset: 0.454 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-08-22 23:12:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 71.372 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 71.332 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 71.634 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 53.467 ms
Loss rate: 1.00%

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

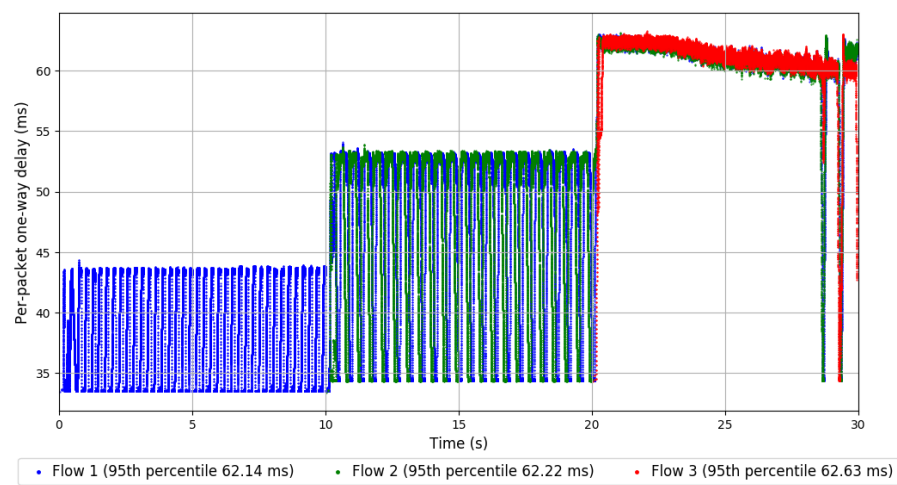
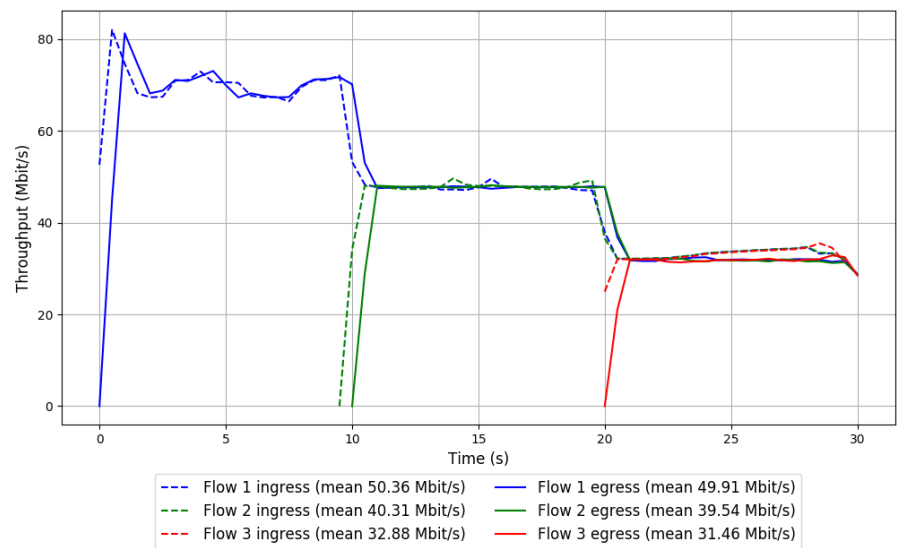


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 22:19:05
End at: 2018-08-22 22:19:35
Local clock offset: 0.642 ms
Remote clock offset: -0.804 ms

Below is generated by plot.py at 2018-08-22 23:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 62.327 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 62.141 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 62.215 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 62.633 ms
Loss rate: 4.94%

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

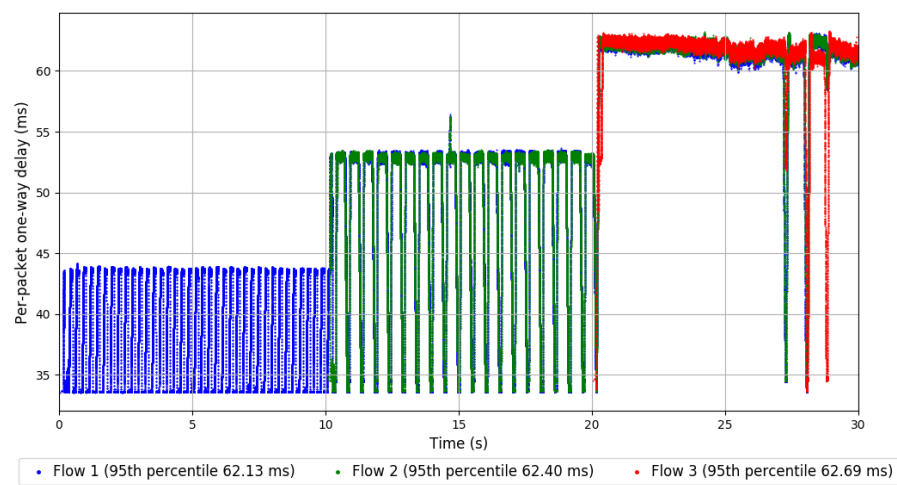
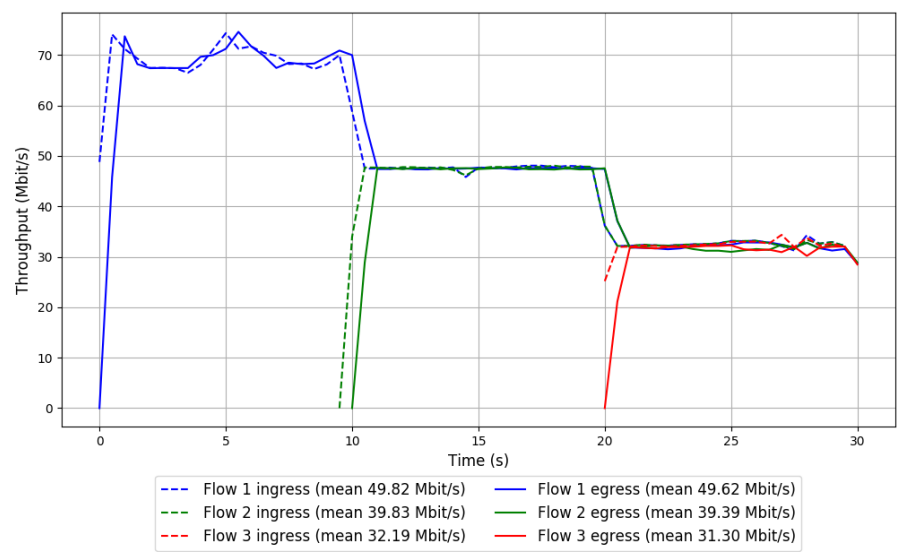


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 22:42:10
End at: 2018-08-22 22:42:40
Local clock offset: 0.687 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-08-22 23:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 62.396 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 62.131 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 62.397 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 62.685 ms
Loss rate: 3.53%

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

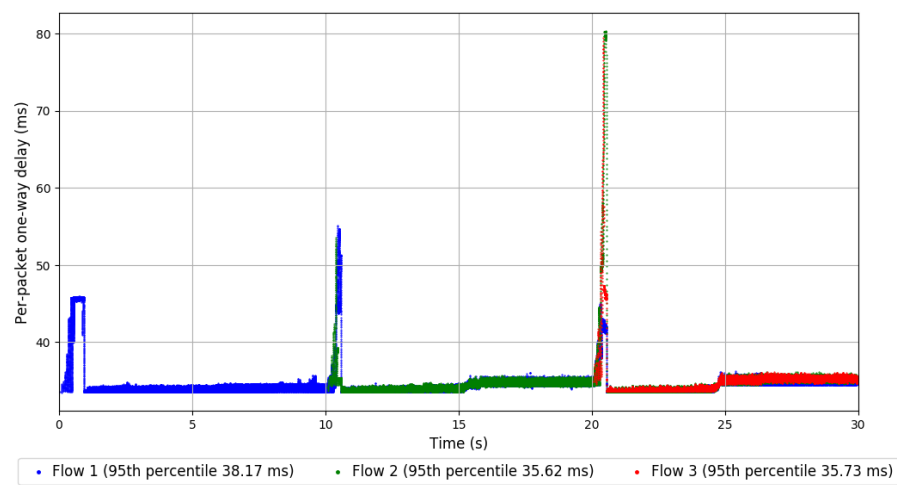
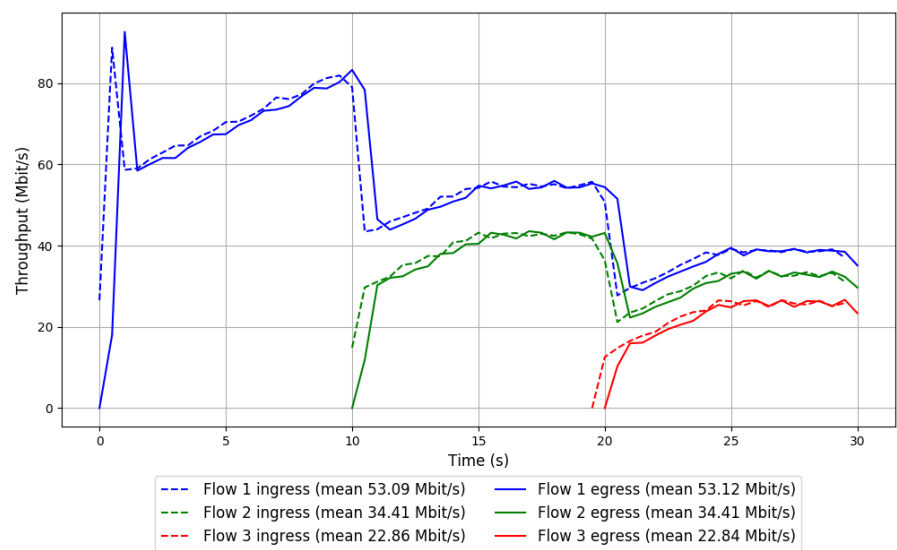


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 19:10:58
End at: 2018-08-22 19:11:28
Local clock offset: -0.065 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-08-22 23:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 35.757 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 38.168 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 35.617 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 22.84 Mbit/s
95th percentile per-packet one-way delay: 35.732 ms
Loss rate: 0.74%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 19:33:53

End at: 2018-08-22 19:34:24

Local clock offset: 0.121 ms

Remote clock offset: 0.59 ms

Below is generated by plot.py at 2018-08-22 23:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.96 Mbit/s

95th percentile per-packet one-way delay: 36.571 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 36.817 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 36.429 ms

Loss rate: 0.26%

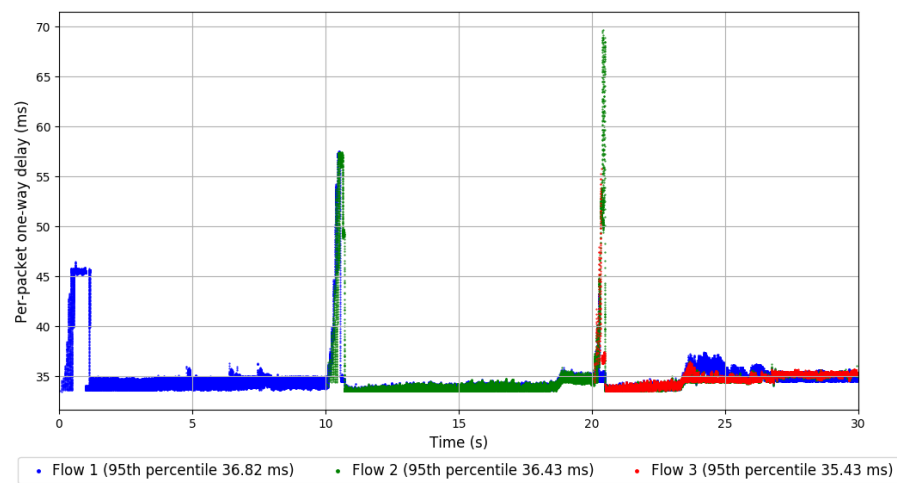
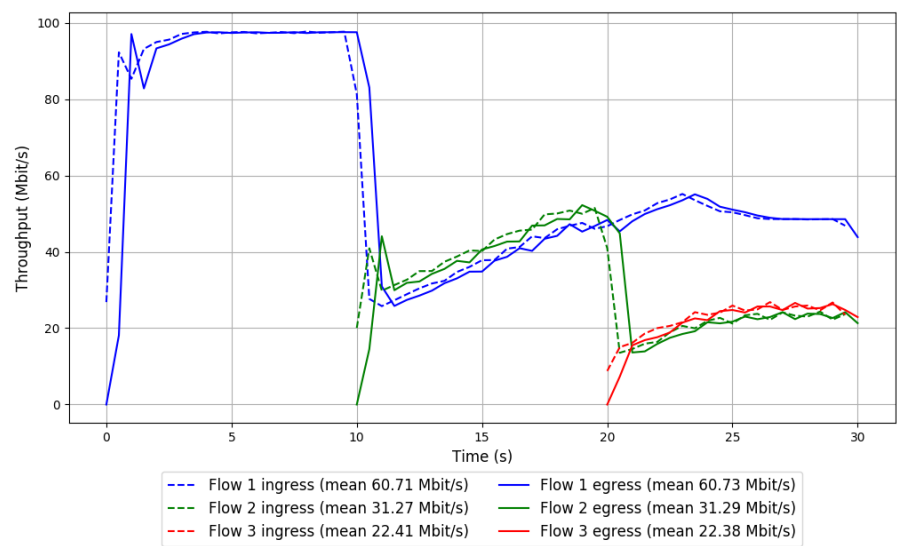
-- Flow 3:

Average throughput: 22.38 Mbit/s

95th percentile per-packet one-way delay: 35.434 ms

Loss rate: 0.75%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 19:57:00

End at: 2018-08-22 19:57:30

Local clock offset: 0.338 ms

Remote clock offset: 1.645 ms

Below is generated by plot.py at 2018-08-22 23:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 35.965 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 38.440 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 42.22 Mbit/s

95th percentile per-packet one-way delay: 35.176 ms

Loss rate: 0.36%

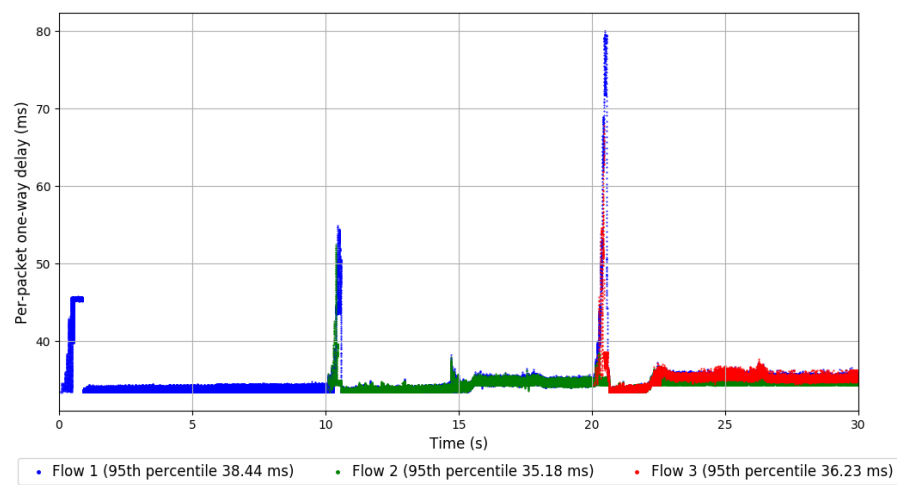
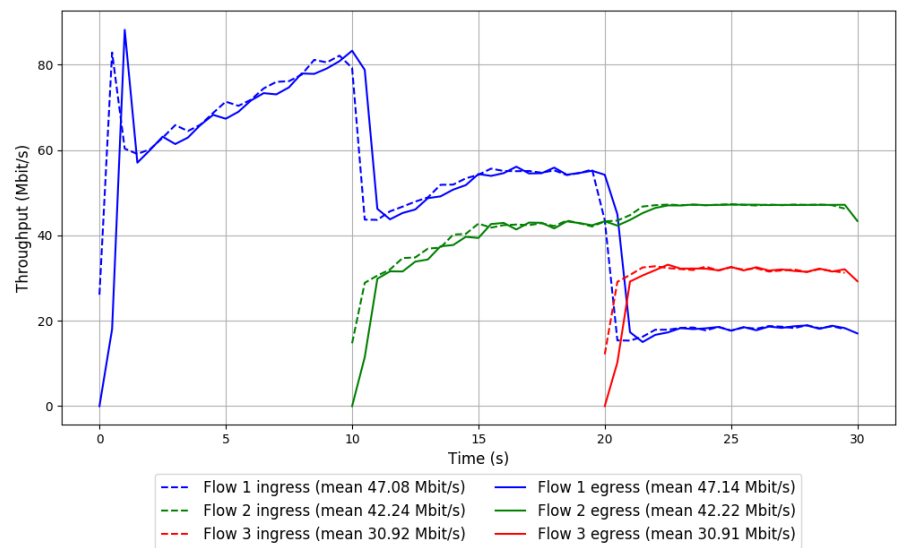
-- Flow 3:

Average throughput: 30.91 Mbit/s

95th percentile per-packet one-way delay: 36.233 ms

Loss rate: 0.67%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 20:19:54

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

Local clock offset: 0.39 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-22 23:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 36.252 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 38.492 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.38 Mbit/s

95th percentile per-packet one-way delay: 35.841 ms

Loss rate: 0.33%

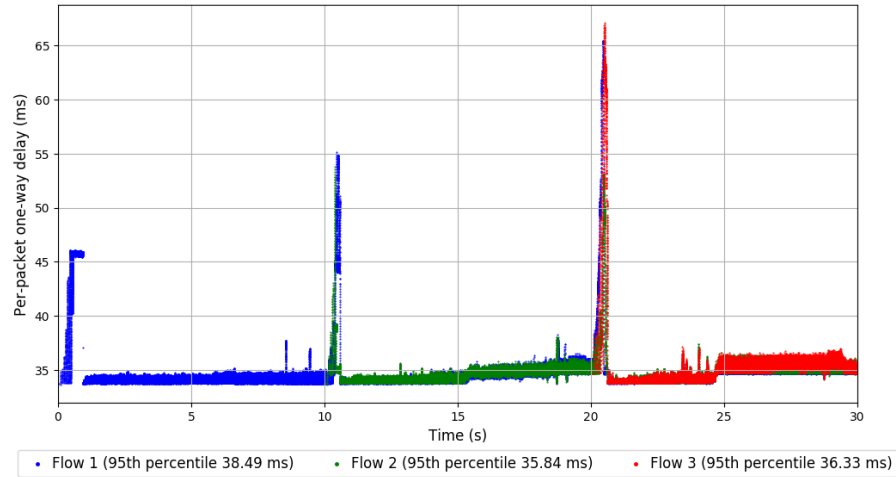
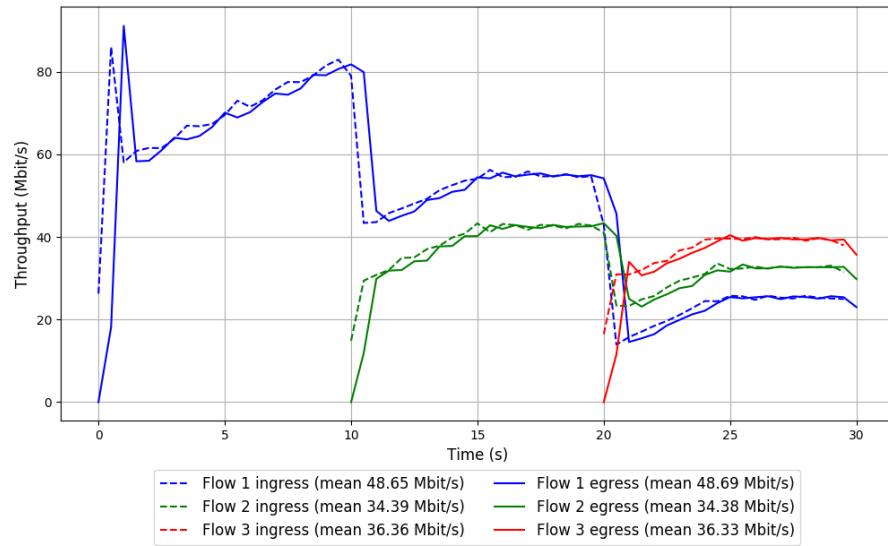
-- Flow 3:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 36.333 ms

Loss rate: 0.71%

Run 4: Report of TCP Vegas — Data Link

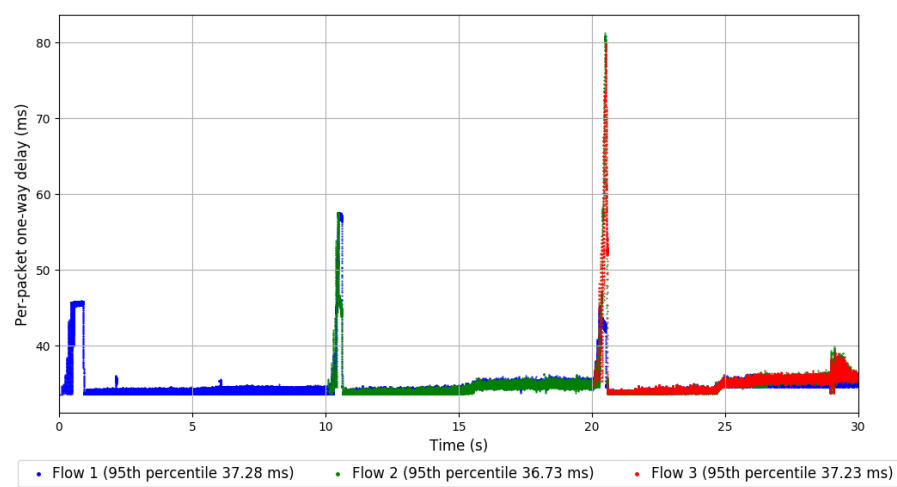
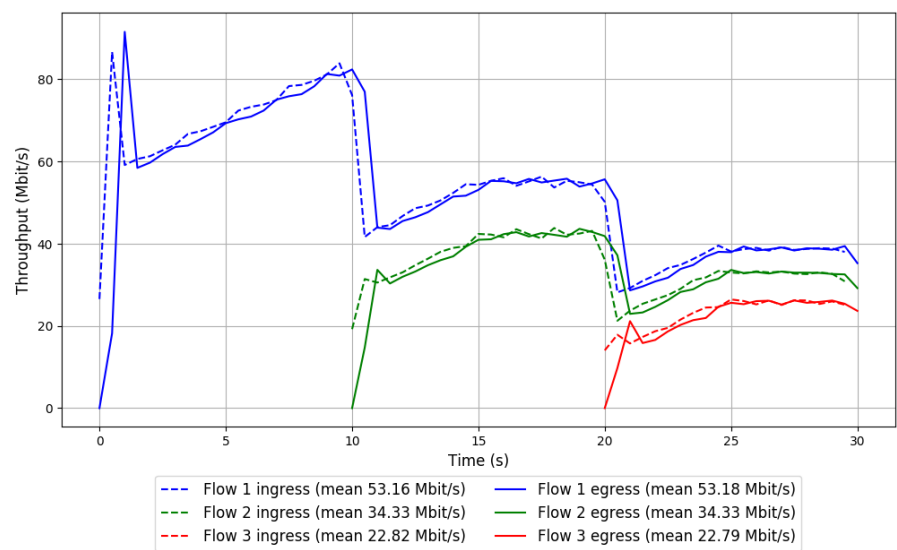


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 20:42:58
End at: 2018-08-22 20:43:28
Local clock offset: -1.294 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-08-22 23:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 36.987 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 37.279 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 36.733 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 37.231 ms
Loss rate: 0.77%

Run 5: Report of TCP Vegas — Data Link

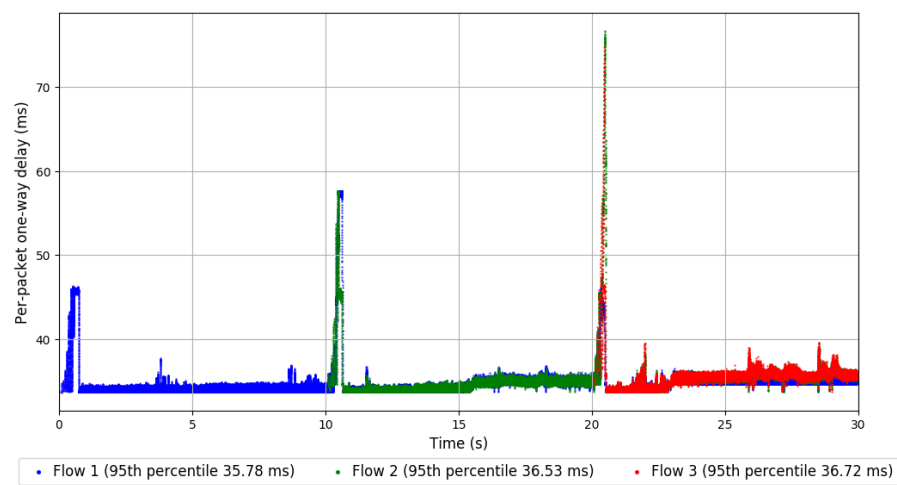
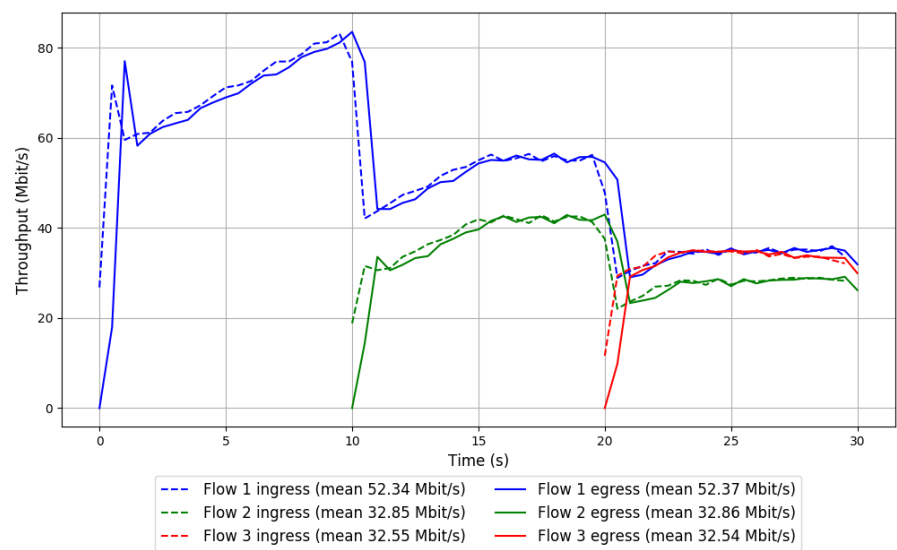


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 21:05:56
End at: 2018-08-22 21:06:26
Local clock offset: -3.528 ms
Remote clock offset: -0.935 ms

Below is generated by plot.py at 2018-08-22 23:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 36.433 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 35.782 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 36.533 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 36.724 ms
Loss rate: 0.67%

Run 6: Report of TCP Vegas — Data Link

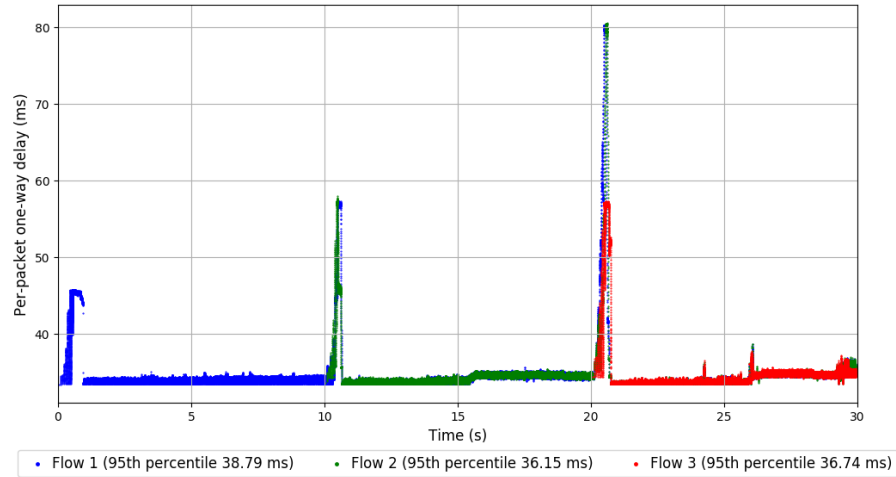
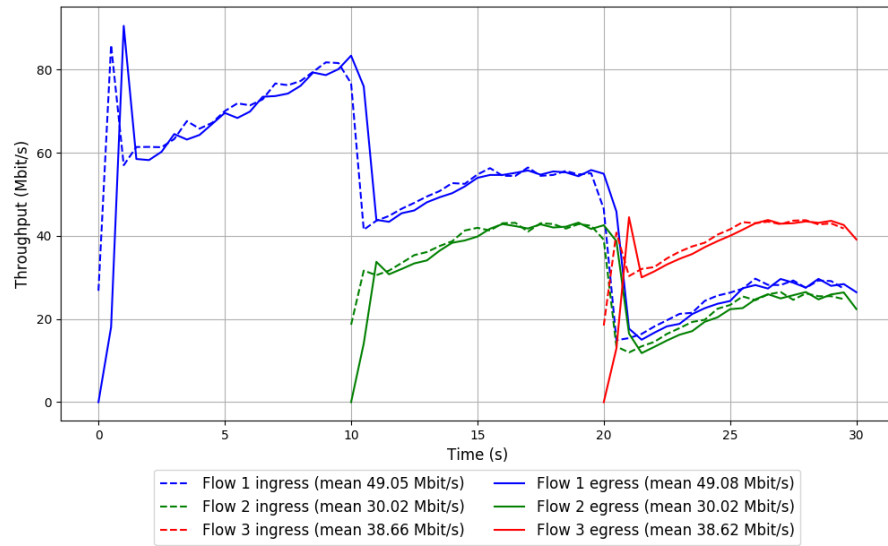


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 21:28:50
End at: 2018-08-22 21:29:20
Local clock offset: -4.464 ms
Remote clock offset: -1.755 ms

Below is generated by plot.py at 2018-08-22 23:14:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 36.772 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 38.792 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 36.153 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 36.737 ms
Loss rate: 0.74%

Run 7: Report of TCP Vegas — Data Link

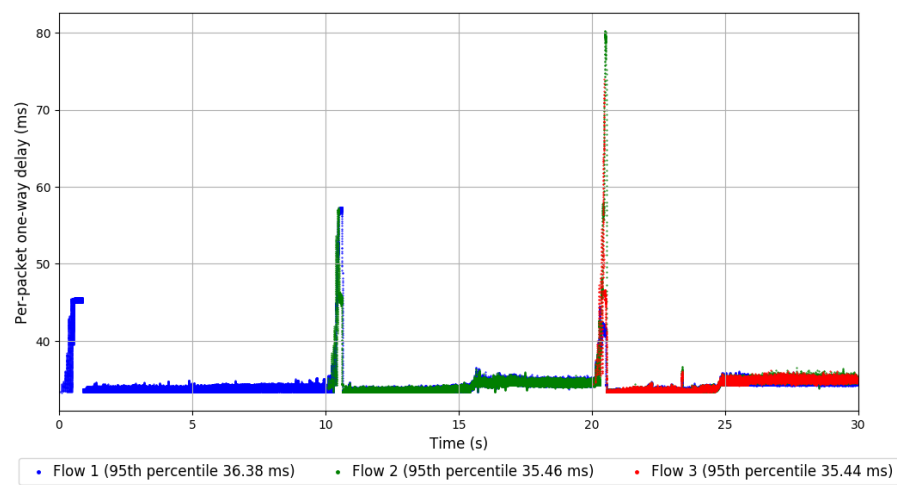
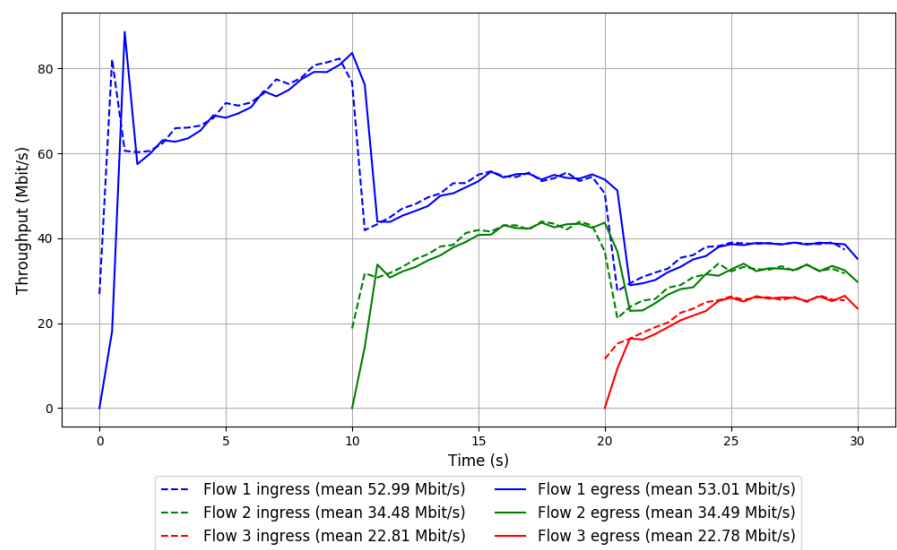


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 21:51:47
End at: 2018-08-22 21:52:17
Local clock offset: -0.142 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-08-22 23:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 35.592 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 36.382 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 35.460 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 35.435 ms
Loss rate: 0.77%

Run 8: Report of TCP Vegas — Data Link

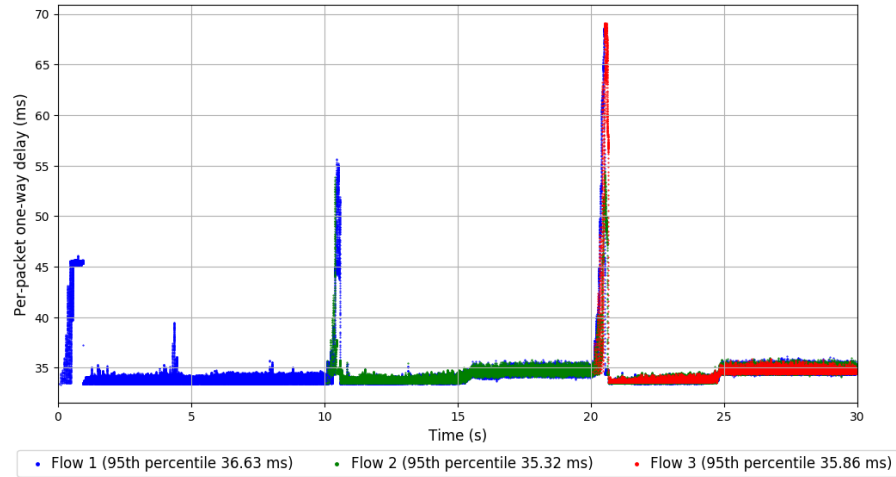
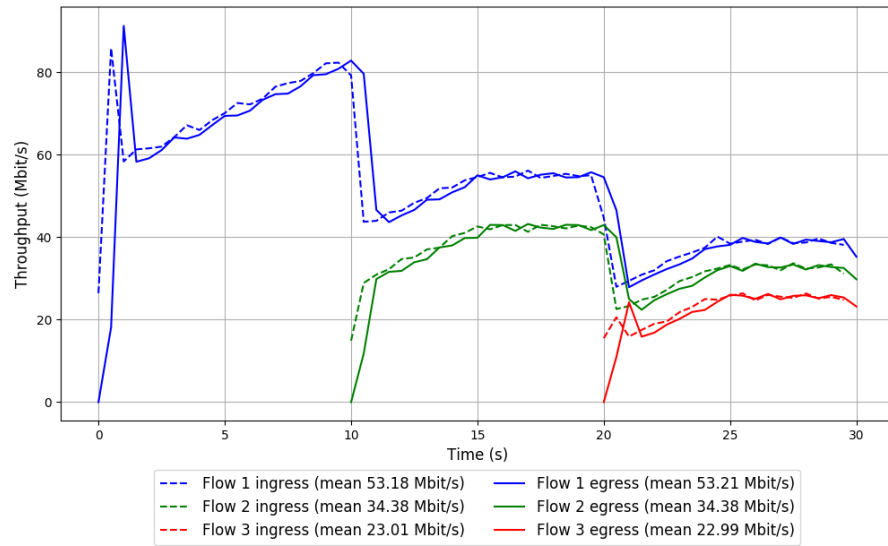


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 22:15:03
End at: 2018-08-22 22:15:33
Local clock offset: 0.711 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2018-08-22 23:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 35.519 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 36.633 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 35.321 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 35.856 ms
Loss rate: 0.74%

Run 9: Report of TCP Vegas — Data Link

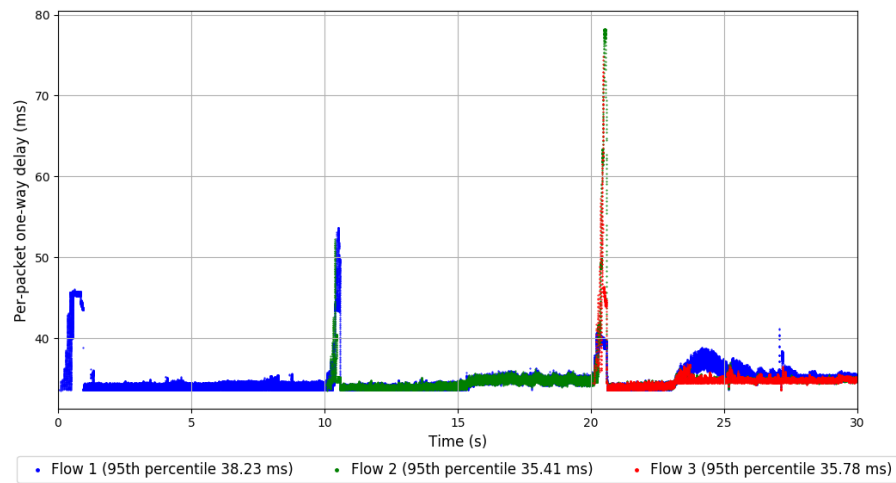
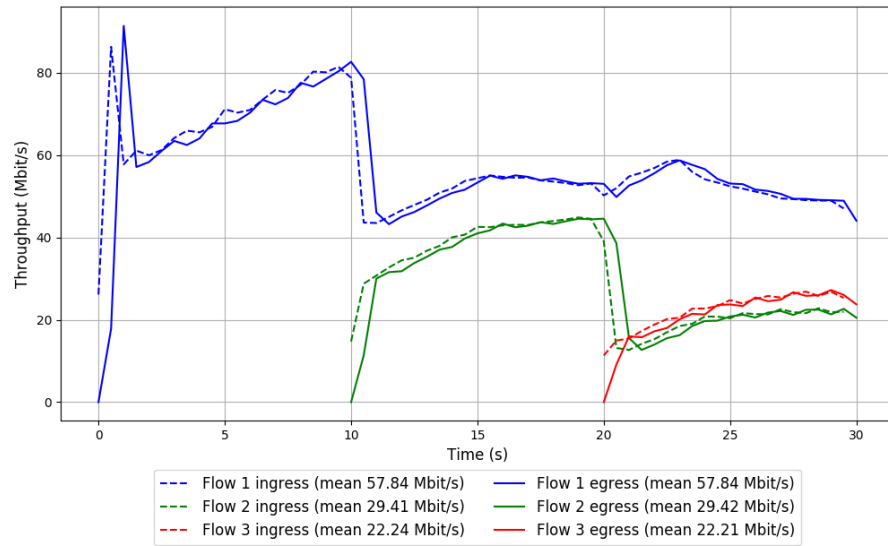


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 22:38:09
End at: 2018-08-22 22:38:39
Local clock offset: 0.854 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-08-22 23:14:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 37.573 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 38.227 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 35.409 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 35.785 ms
Loss rate: 0.79%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

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

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

Local clock offset: -0.152 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-08-22 23:14:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 69.499 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 68.907 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 76.069 ms

Loss rate: 0.60%

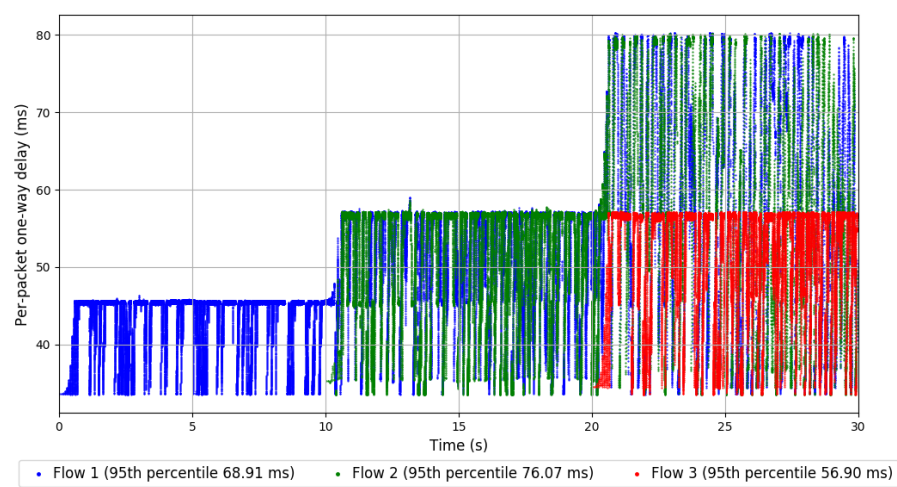
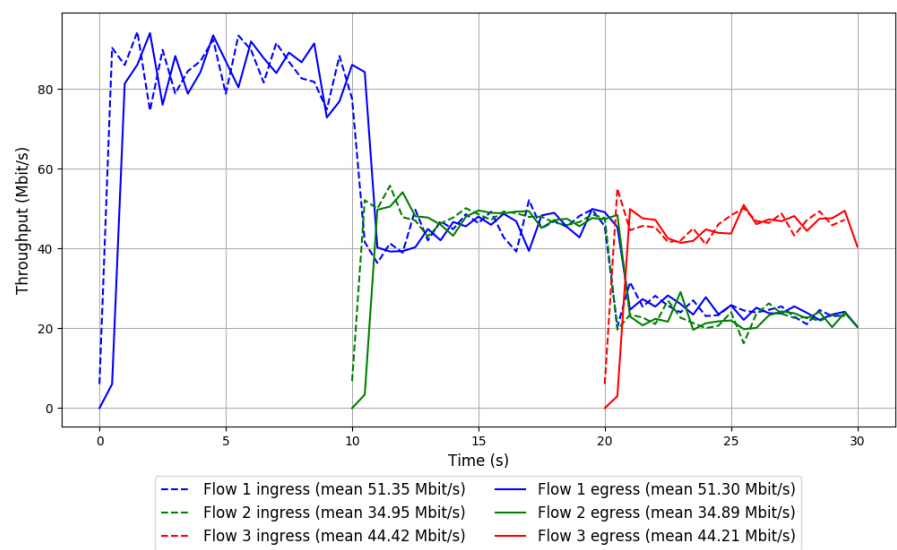
-- Flow 3:

Average throughput: 44.21 Mbit/s

95th percentile per-packet one-way delay: 56.898 ms

Loss rate: 1.23%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-22 19:31:07

End at: 2018-08-22 19:31:37

Local clock offset: 0.102 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2018-08-22 23:14:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 67.868 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 53.17 Mbit/s

95th percentile per-packet one-way delay: 64.332 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 68.128 ms

Loss rate: 0.53%

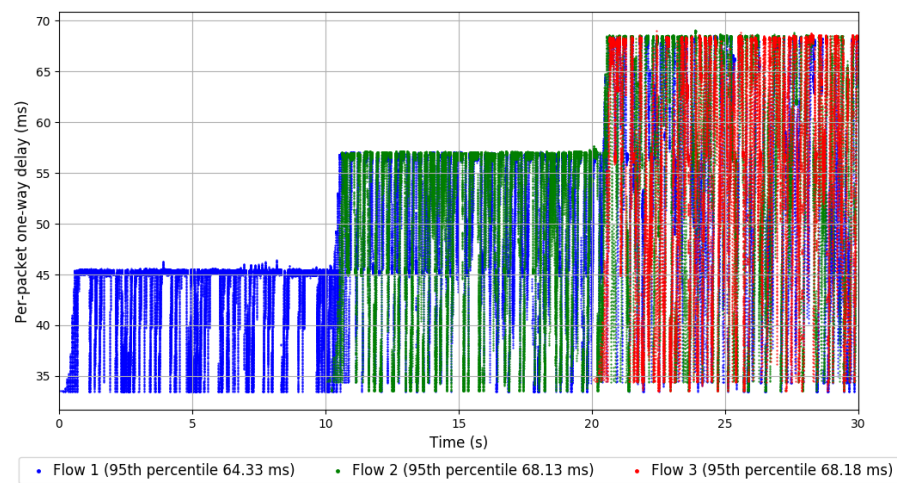
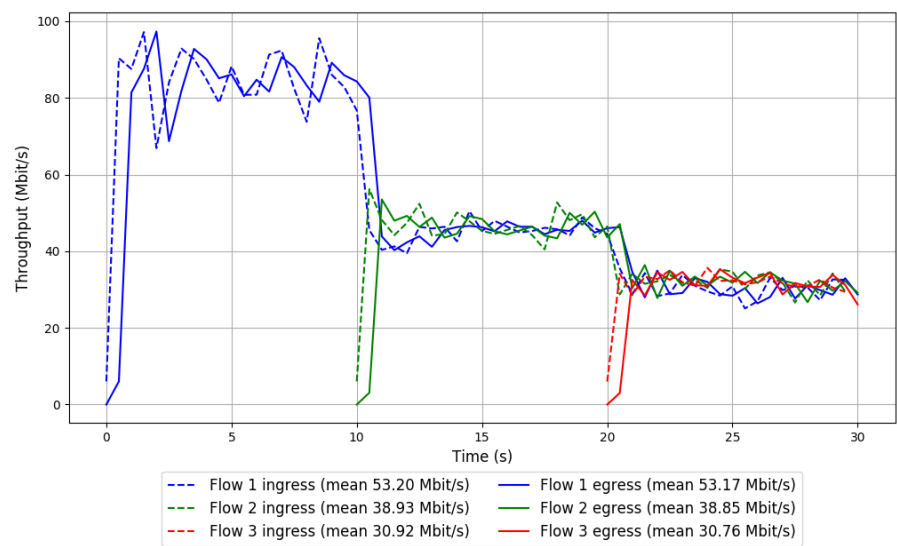
-- Flow 3:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 68.177 ms

Loss rate: 1.16%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-22 19:54:14

End at: 2018-08-22 19:54:44

Local clock offset: 0.395 ms

Remote clock offset: 1.522 ms

Below is generated by plot.py at 2018-08-22 23:15:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.00 Mbit/s

95th percentile per-packet one-way delay: 67.882 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 65.100 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 38.33 Mbit/s

95th percentile per-packet one-way delay: 67.959 ms

Loss rate: 0.36%

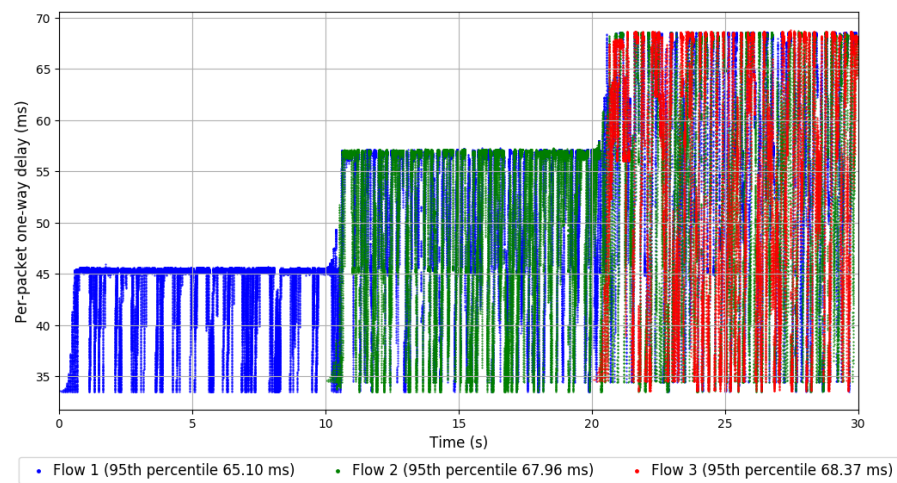
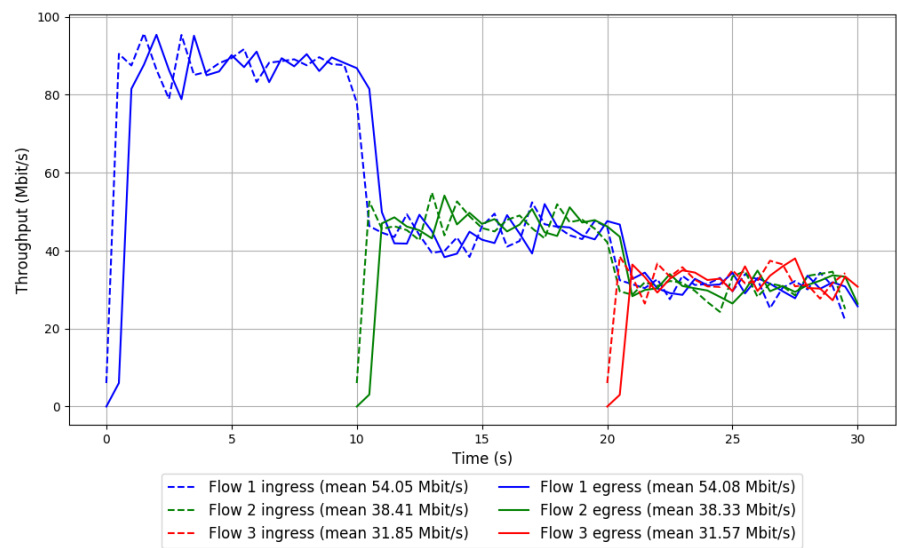
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 68.372 ms

Loss rate: 1.34%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

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

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

Local clock offset: 0.269 ms

Remote clock offset: 0.266 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.79 Mbit/s

95th percentile per-packet one-way delay: 67.614 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 67.436 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 67.603 ms

Loss rate: 0.76%

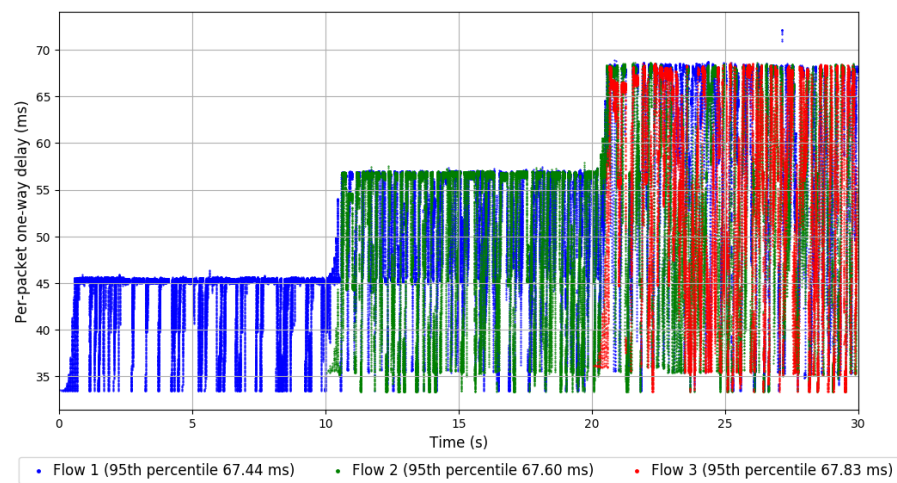
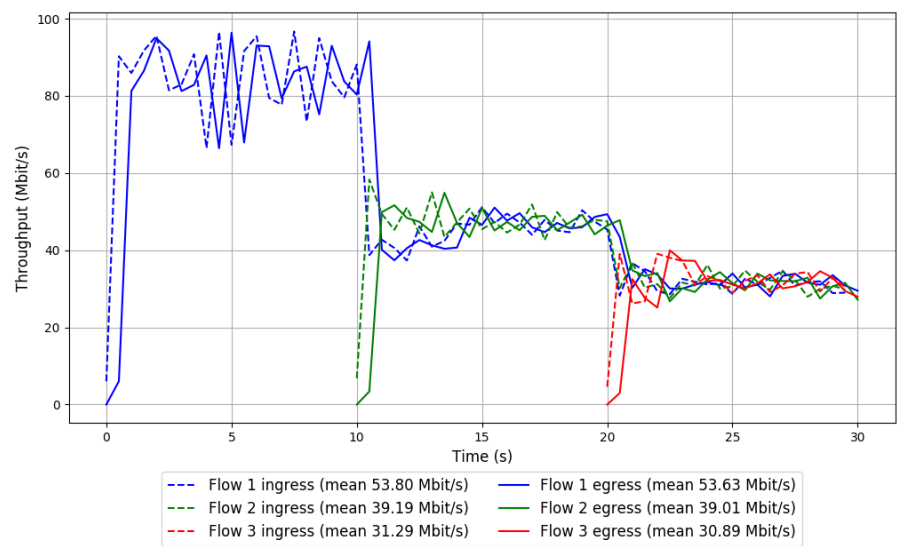
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 67.831 ms

Loss rate: 1.93%

Run 4: Report of Verus — Data Link

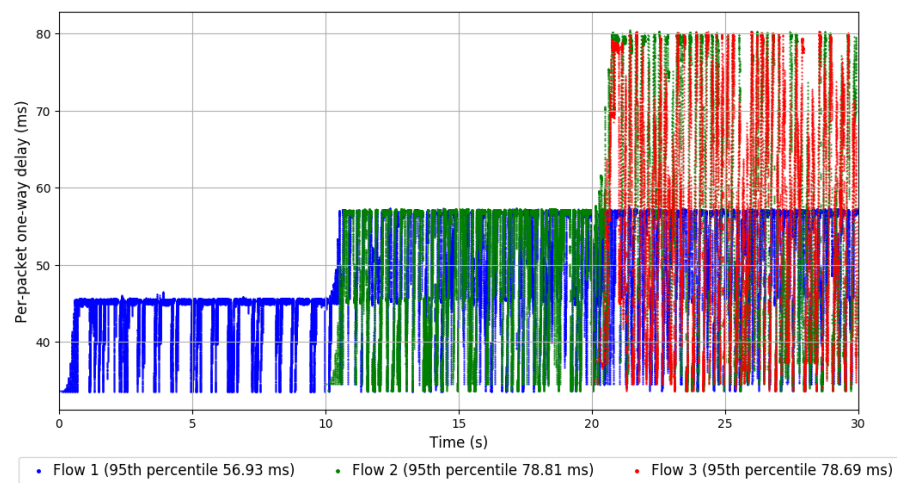
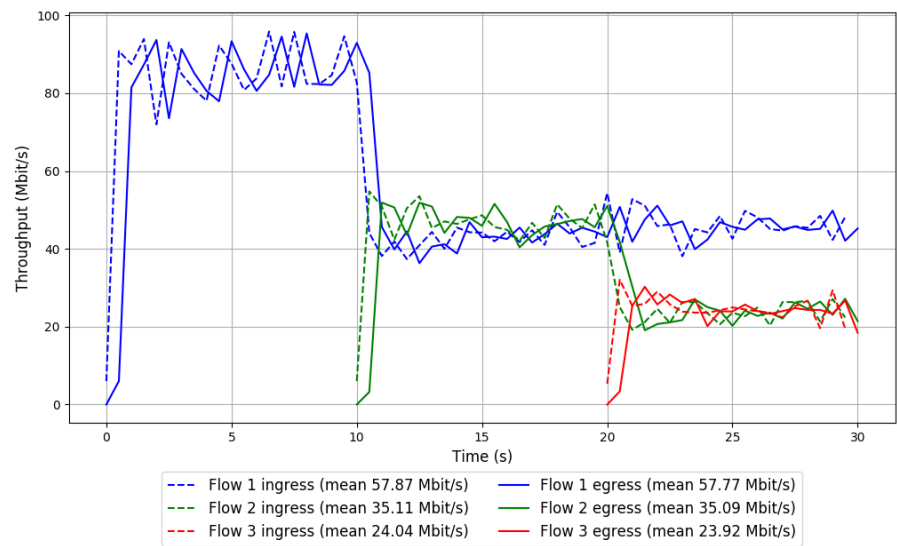


Run 5: Statistics of Verus

Start at: 2018-08-22 20:40:12
End at: 2018-08-22 20:40:42
Local clock offset: -0.624 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-22 23:15:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 69.498 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 56.934 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 78.812 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 78.689 ms
Loss rate: 1.11%

Run 5: Report of Verus — Data Link

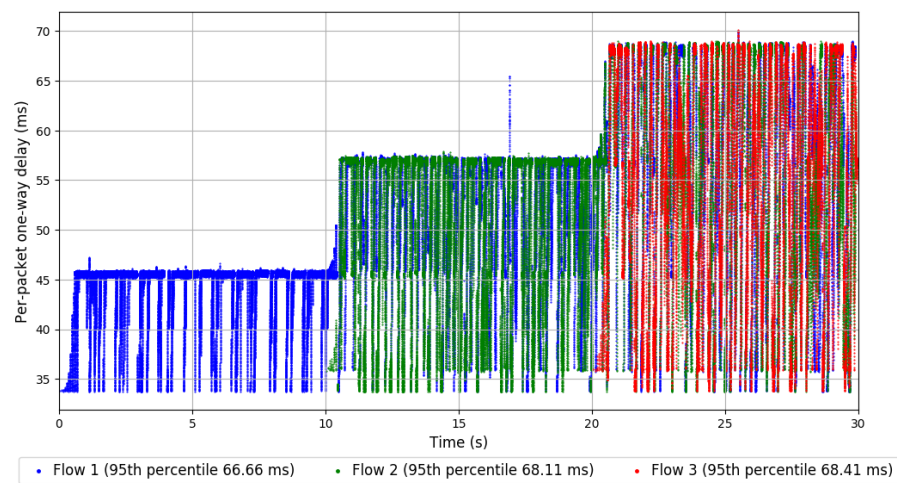
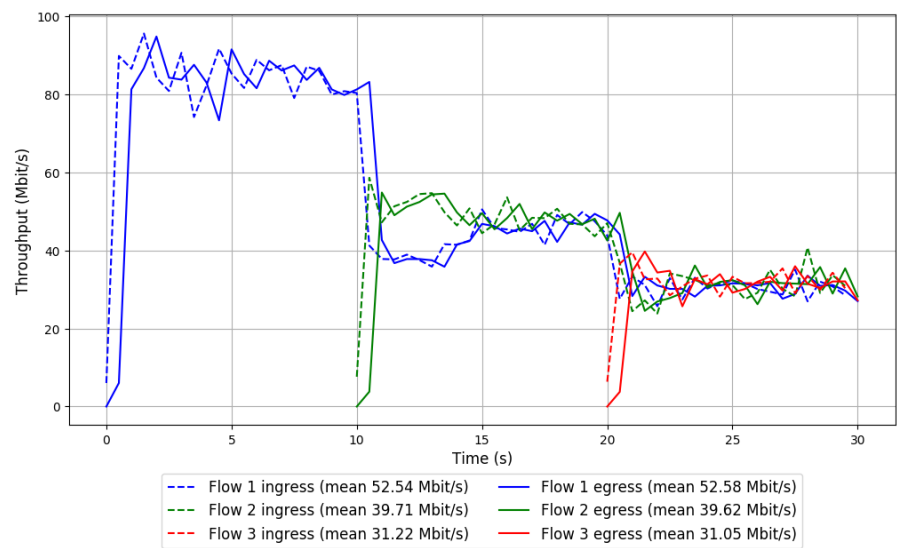


Run 6: Statistics of Verus

Start at: 2018-08-22 21:03:11
End at: 2018-08-22 21:03:41
Local clock offset: -3.331 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-08-22 23:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 68.047 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 66.659 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 68.115 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 68.405 ms
Loss rate: 1.36%

Run 6: Report of Verus — Data Link

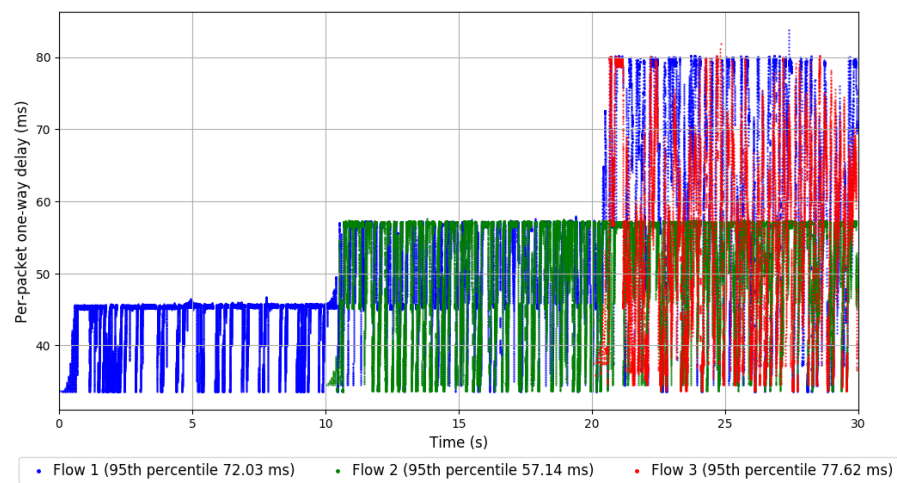
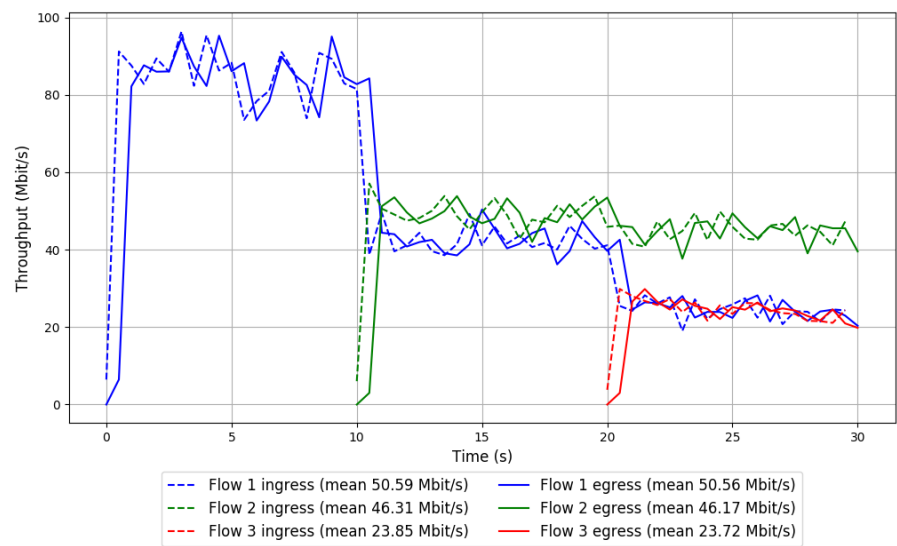


Run 7: Statistics of Verus

Start at: 2018-08-22 21:26:04
End at: 2018-08-22 21:26:34
Local clock offset: -4.318 ms
Remote clock offset: -1.848 ms

Below is generated by plot.py at 2018-08-22 23:15:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 68.194 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 72.029 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 57.137 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 77.624 ms
Loss rate: 1.19%

Run 7: Report of Verus — Data Link

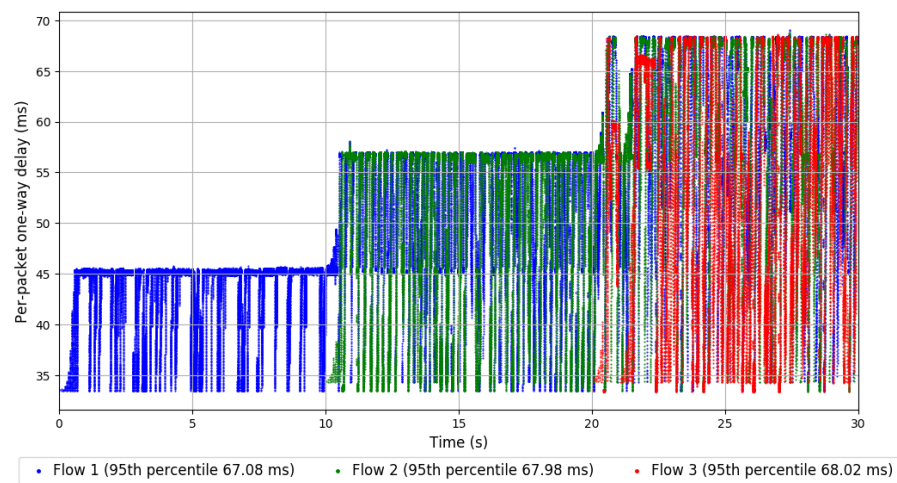
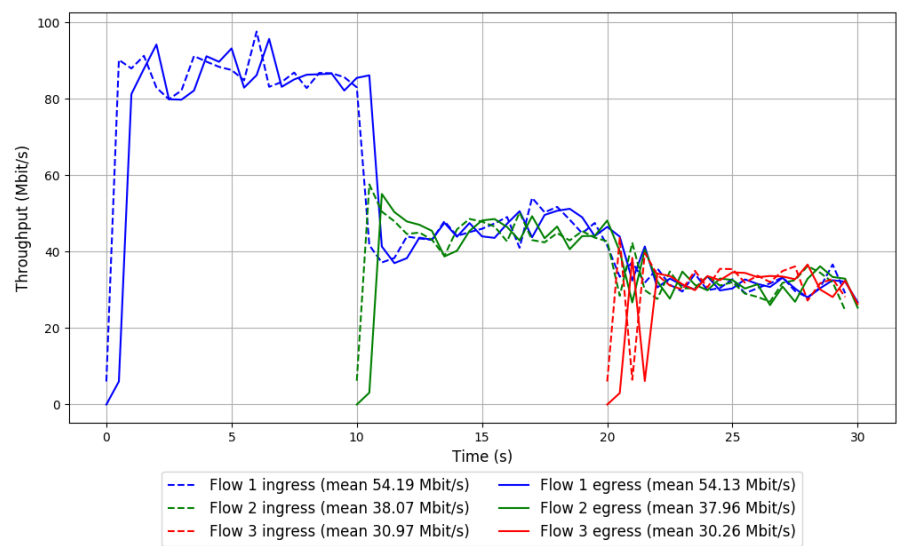


Run 8: Statistics of Verus

Start at: 2018-08-22 21:48:59
End at: 2018-08-22 21:49:29
Local clock offset: -0.619 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-08-22 23:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 67.857 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 67.079 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 67.977 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 68.020 ms
Loss rate: 2.80%

Run 8: Report of Verus — Data Link

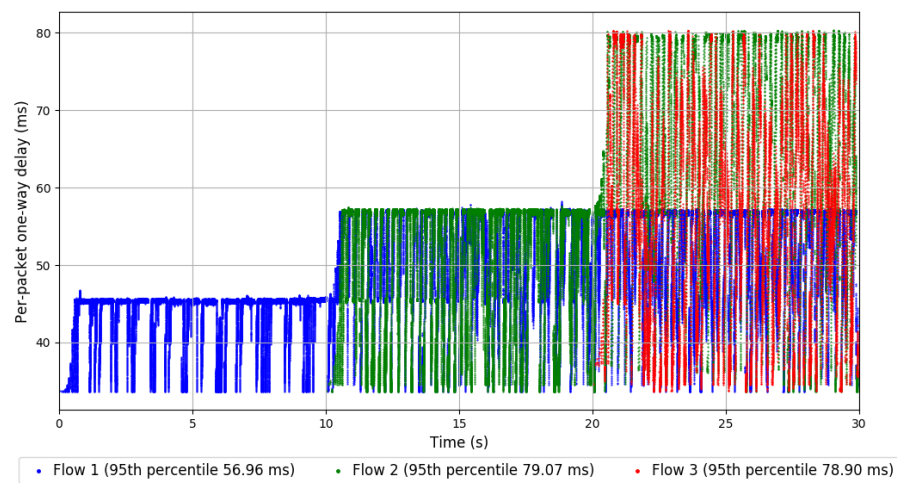
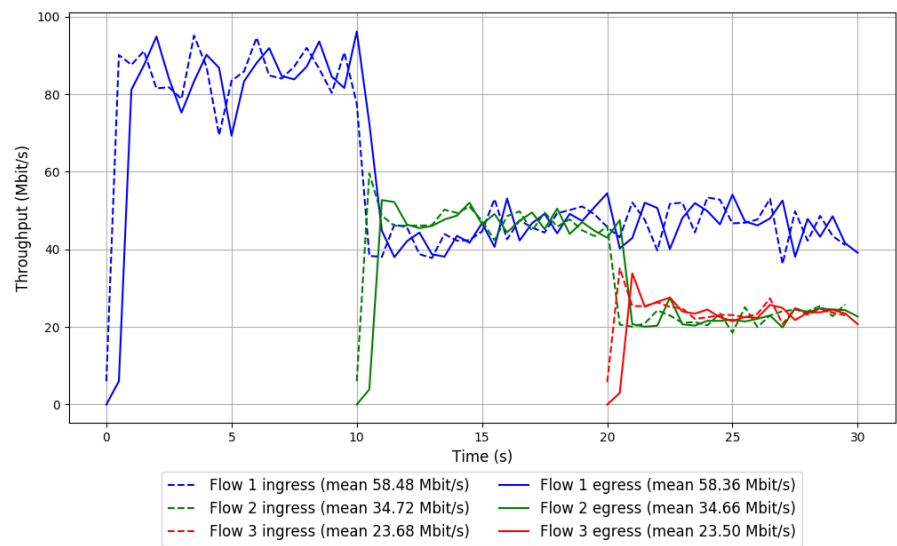


Run 9: Statistics of Verus

Start at: 2018-08-22 22:12:15
End at: 2018-08-22 22:12:45
Local clock offset: 0.927 ms
Remote clock offset: -0.888 ms

Below is generated by plot.py at 2018-08-22 23:15:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 70.246 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 56.960 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 79.067 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 78.899 ms
Loss rate: 1.39%

Run 9: Report of Verus — Data Link

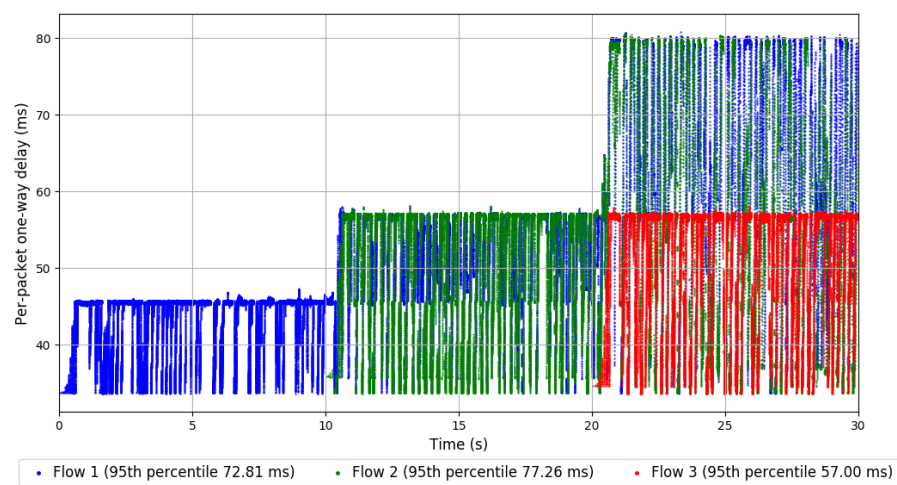
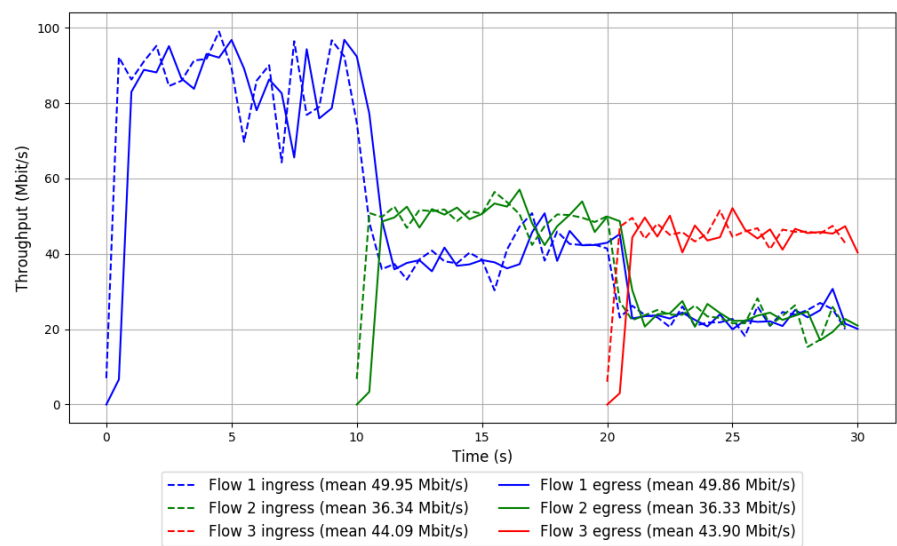


Run 10: Statistics of Verus

Start at: 2018-08-22 22:35:23
End at: 2018-08-22 22:35:53
Local clock offset: 0.88 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2018-08-22 23:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 72.080 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 72.805 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 77.263 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 56.998 ms
Loss rate: 1.07%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 19:20:24

End at: 2018-08-22 19:20:54

Local clock offset: 0.029 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-08-22 23:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 69.736 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 53.05 Mbit/s

95th percentile per-packet one-way delay: 68.823 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 74.013 ms

Loss rate: 2.93%

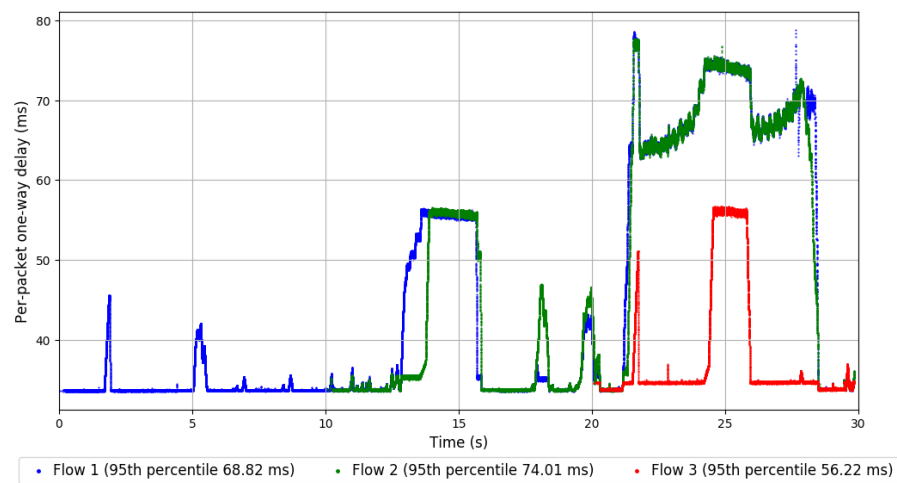
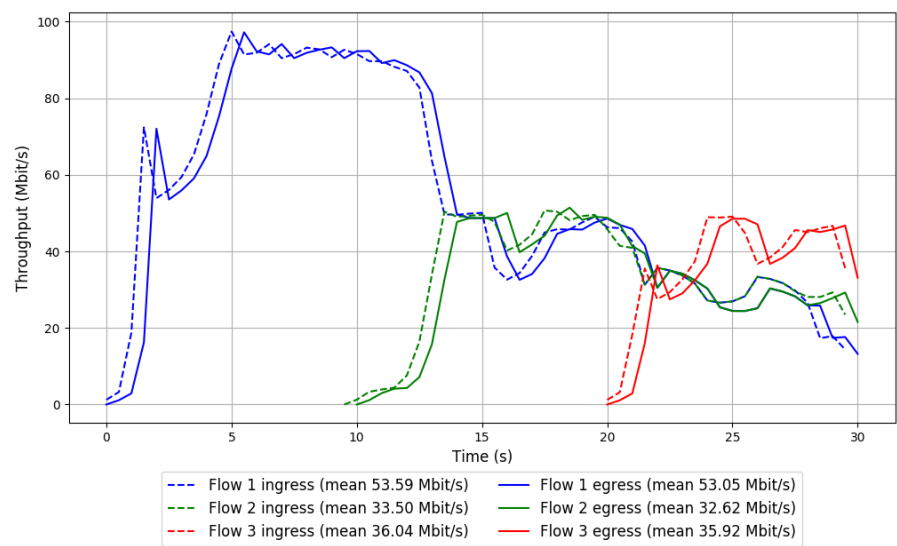
-- Flow 3:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 56.220 ms

Loss rate: 1.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 19:43:28

End at: 2018-08-22 19:43:58

Local clock offset: 0.216 ms

Remote clock offset: 0.91 ms

Below is generated by plot.py at 2018-08-22 23:16:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.10 Mbit/s

95th percentile per-packet one-way delay: 70.193 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 68.662 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 21.61 Mbit/s

95th percentile per-packet one-way delay: 72.683 ms

Loss rate: 2.79%

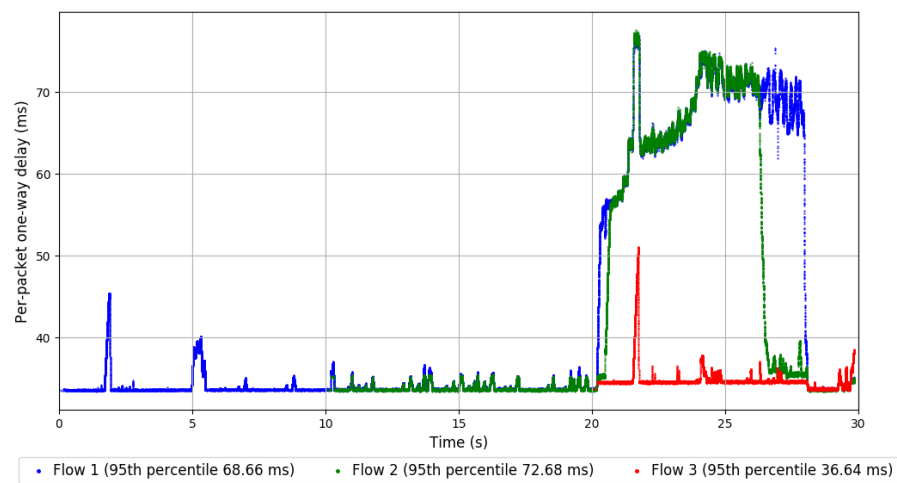
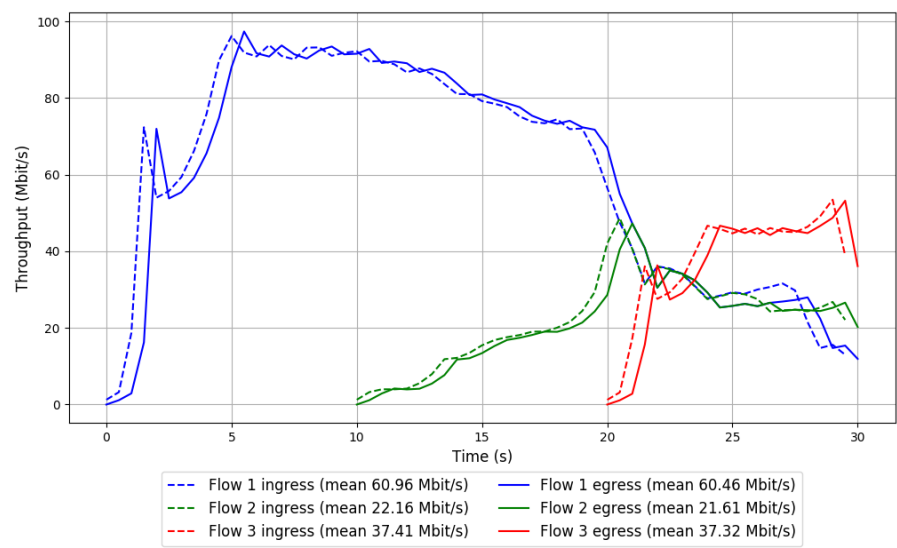
-- Flow 3:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 36.639 ms

Loss rate: 0.88%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 20:06:26

End at: 2018-08-22 20:06:56

Local clock offset: 0.547 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2018-08-22 23:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 64.895 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 52.70 Mbit/s

95th percentile per-packet one-way delay: 63.429 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 34.99 Mbit/s

95th percentile per-packet one-way delay: 65.340 ms

Loss rate: 0.84%

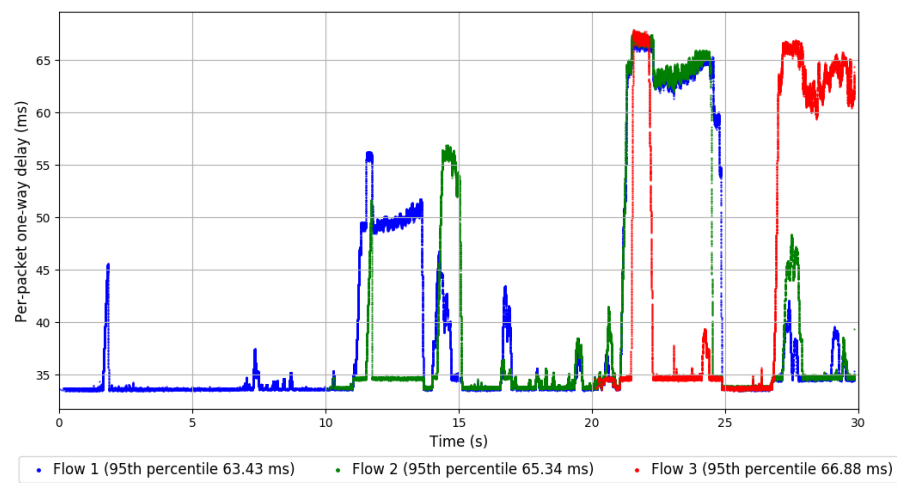
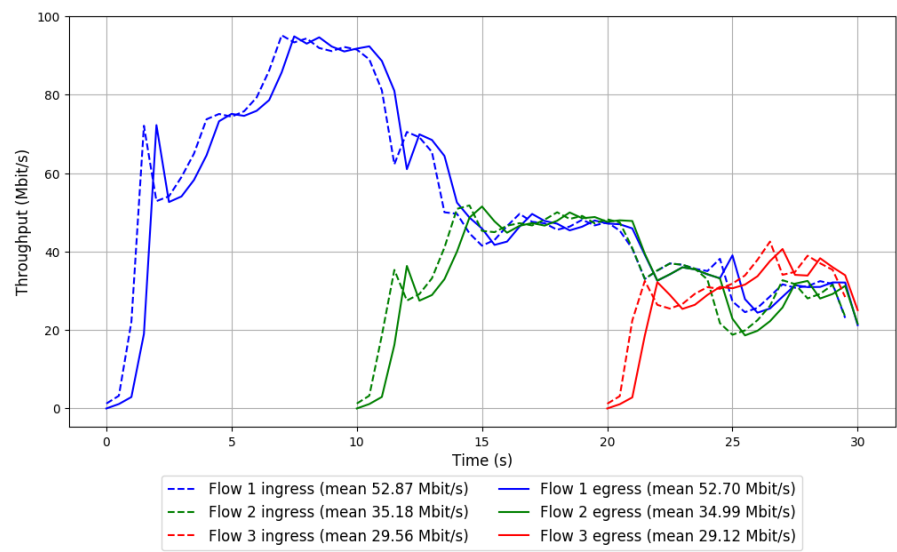
-- Flow 3:

Average throughput: 29.12 Mbit/s

95th percentile per-packet one-way delay: 66.877 ms

Loss rate: 2.13%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 20:29:24

End at: 2018-08-22 20:29:54

Local clock offset: 0.475 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-08-22 23:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.13 Mbit/s

95th percentile per-packet one-way delay: 64.450 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 55.61 Mbit/s

95th percentile per-packet one-way delay: 63.639 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 65.245 ms

Loss rate: 1.02%

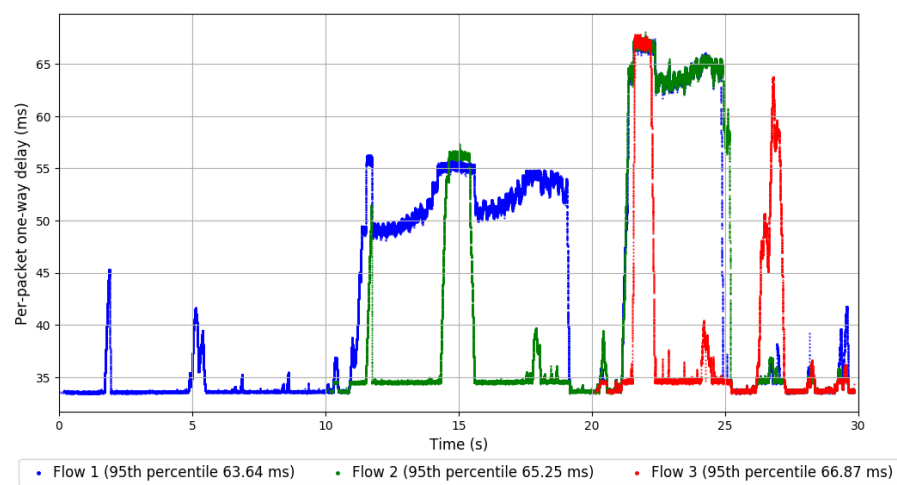
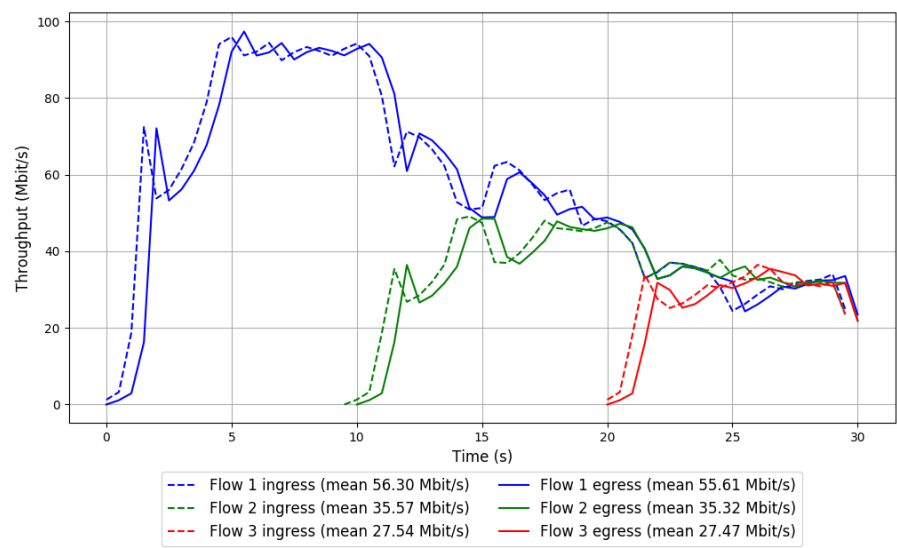
-- Flow 3:

Average throughput: 27.47 Mbit/s

95th percentile per-packet one-way delay: 66.867 ms

Loss rate: 0.90%

Run 4: Report of PCC-Vivace — Data Link

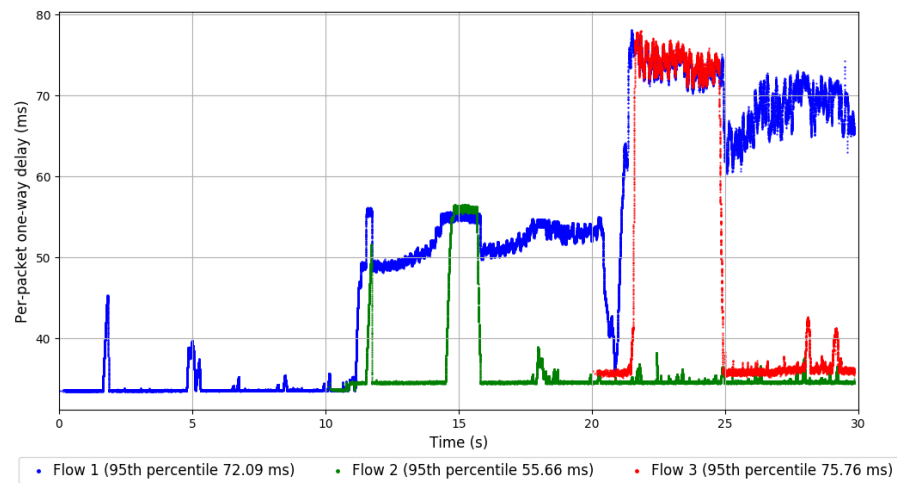
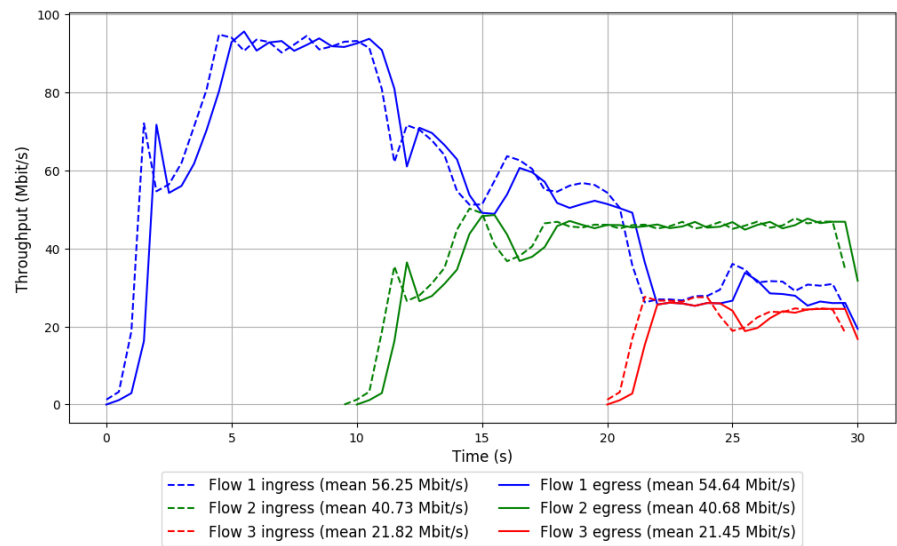


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 20:52:25
End at: 2018-08-22 20:52:55
Local clock offset: -2.606 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-08-22 23:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 72.725 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 72.094 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 55.656 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 75.764 ms
Loss rate: 2.36%

Run 5: Report of PCC-Vivace — Data Link

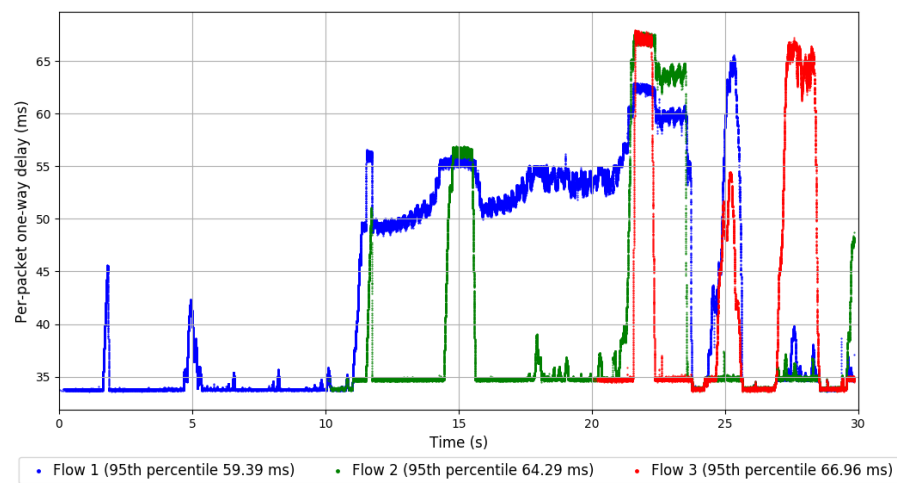
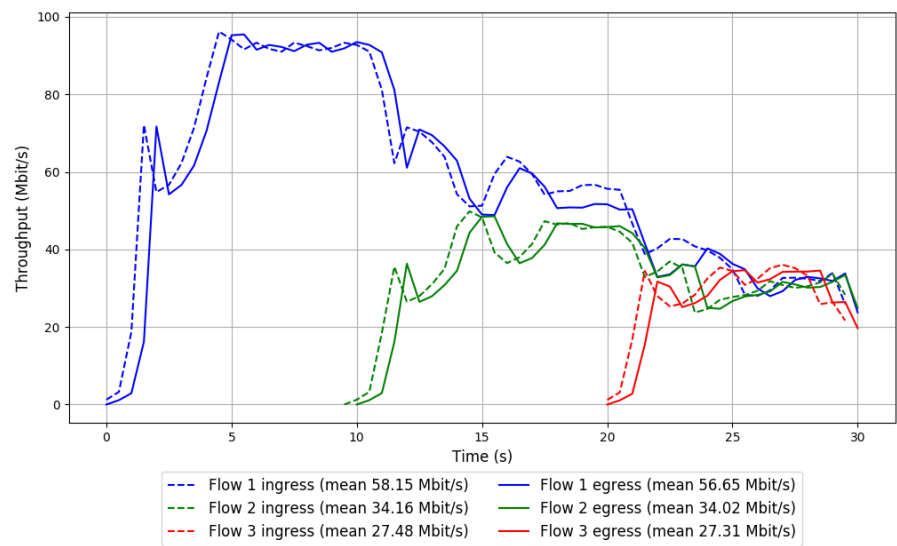


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 21:15:22
End at: 2018-08-22 21:15:52
Local clock offset: -3.789 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-08-22 23:16:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 62.879 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 59.392 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 64.291 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 66.959 ms
Loss rate: 1.26%

Run 6: Report of PCC-Vivace — Data Link

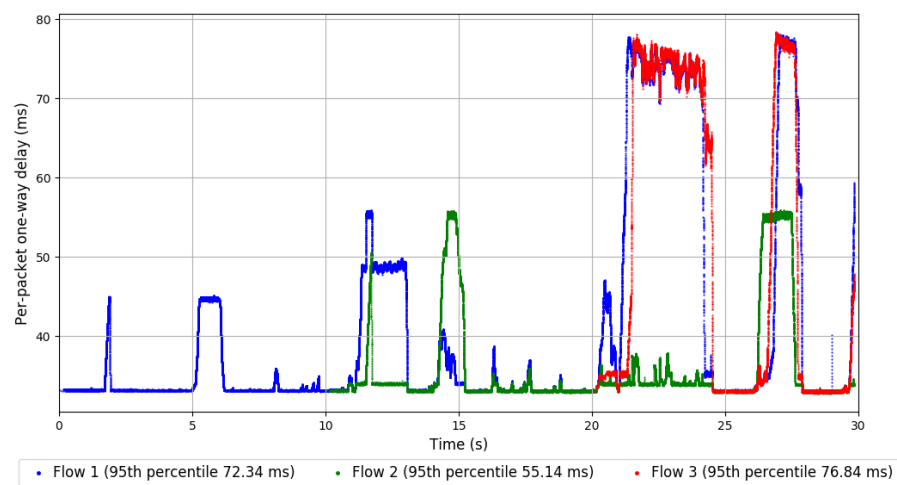
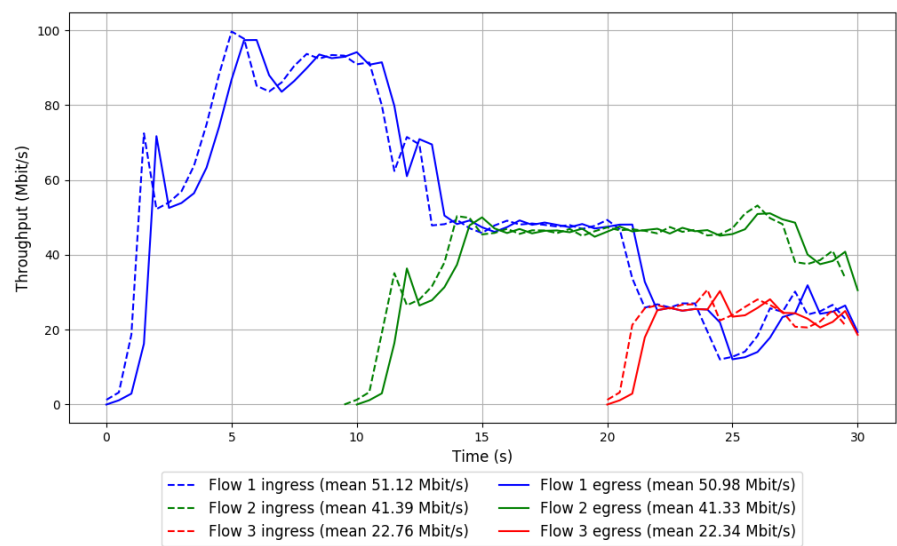


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 21:38:14
End at: 2018-08-22 21:38:44
Local clock offset: -4.215 ms
Remote clock offset: -2.172 ms

Below is generated by plot.py at 2018-08-22 23:17:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.80 Mbit/s
95th percentile per-packet one-way delay: 73.493 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 72.341 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 55.137 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 76.842 ms
Loss rate: 2.45%

Run 7: Report of PCC-Vivace — Data Link

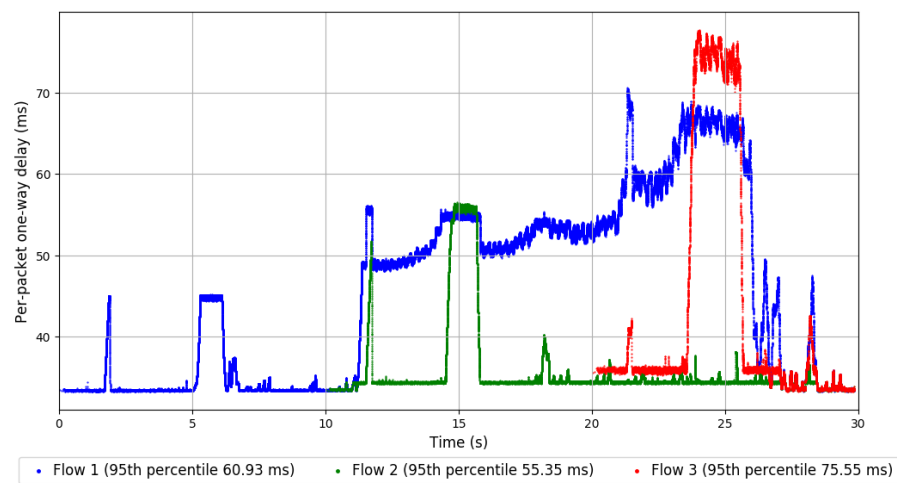
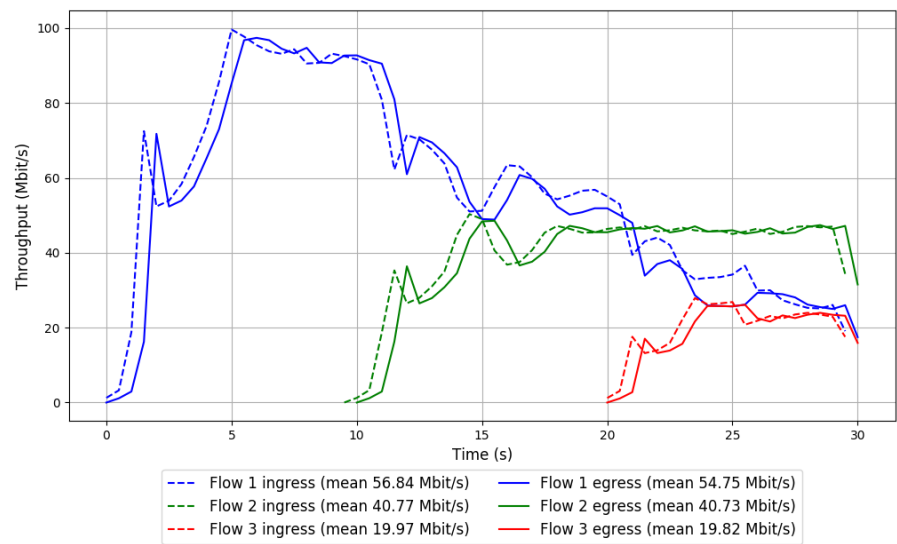


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 22:01:30
End at: 2018-08-22 22:02:00
Local clock offset: 0.88 ms
Remote clock offset: -0.941 ms

Below is generated by plot.py at 2018-08-22 23:17:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 60.646 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 60.931 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 55.347 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 75.549 ms
Loss rate: 1.44%

Run 8: Report of PCC-Vivace — Data Link

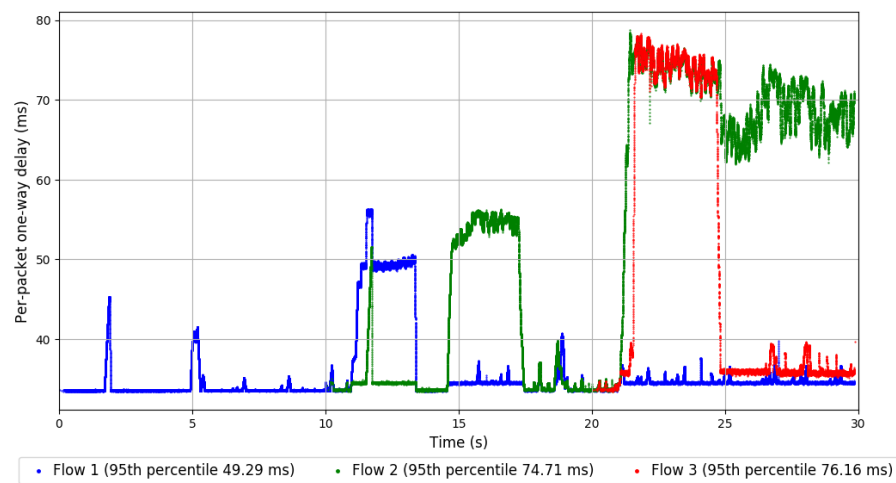
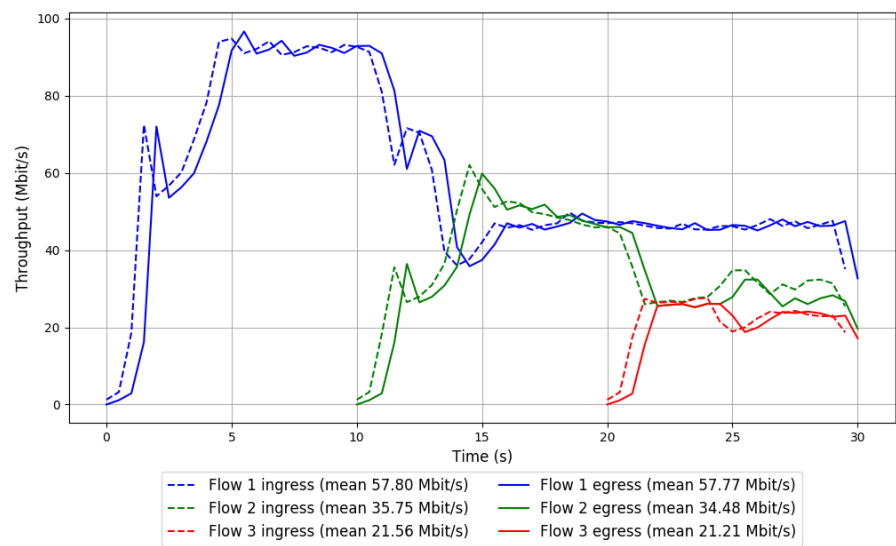


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 22:24:31
End at: 2018-08-22 22:25:01
Local clock offset: 0.712 ms
Remote clock offset: -0.737 ms

Below is generated by plot.py at 2018-08-22 23:17:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 73.007 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 49.288 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 74.708 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 76.160 ms
Loss rate: 2.25%

Run 9: Report of PCC-Vivace — Data Link

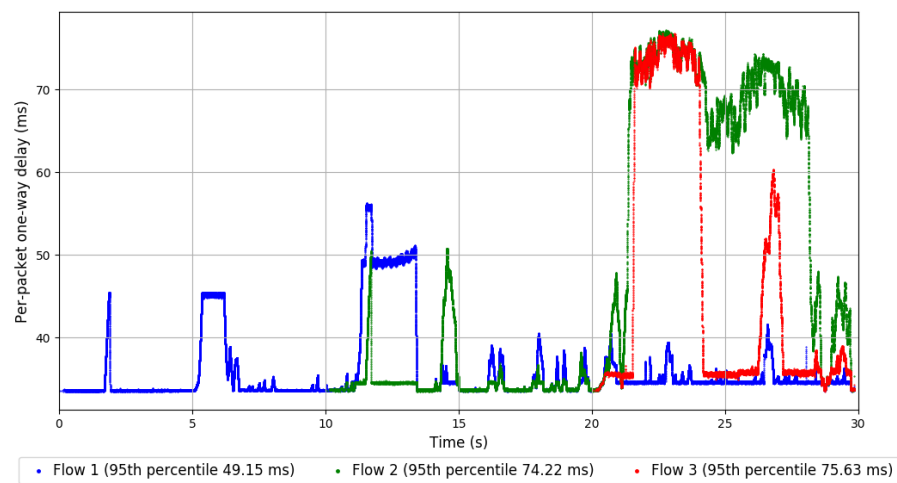
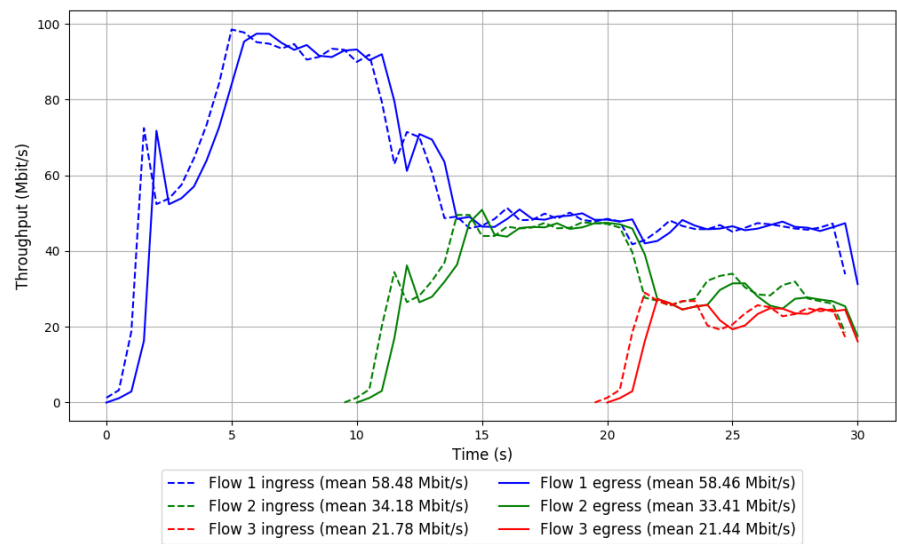


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 22:47:35
End at: 2018-08-22 22:48:05
Local clock offset: 0.593 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 72.105 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 49.152 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 74.221 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 75.631 ms
Loss rate: 2.20%

Run 10: Report of PCC-Vivace — Data Link

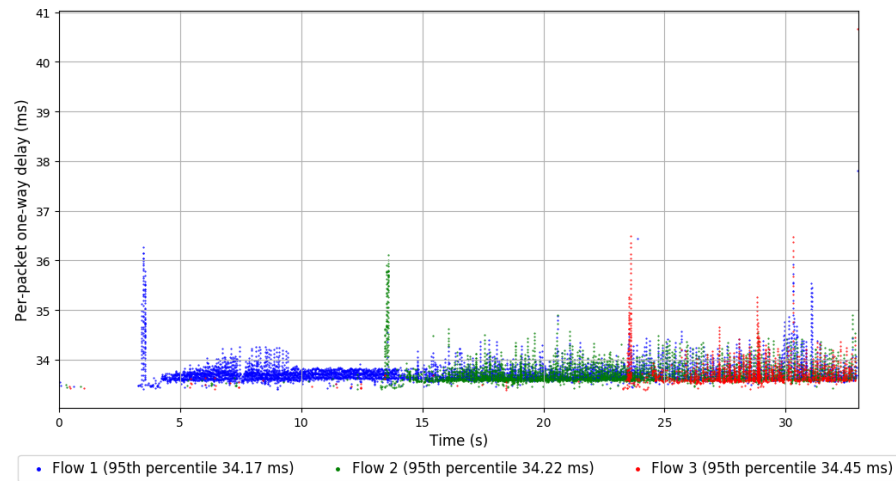
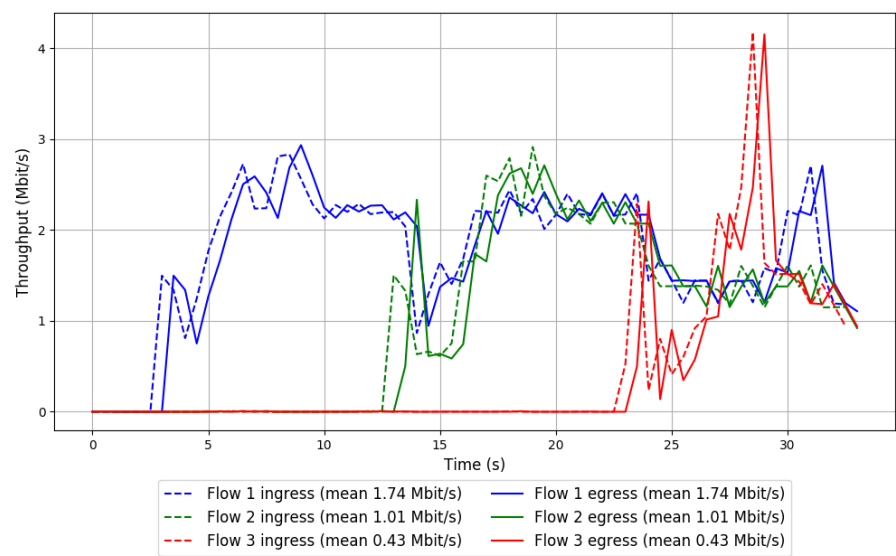


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 19:02:54
End at: 2018-08-22 19:03:24
Local clock offset: -0.093 ms
Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 34.211 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 34.169 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 34.220 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.445 ms
Loss rate: 0.82%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-22 19:25:49

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

Local clock offset: 0.076 ms

Remote clock offset: 1.082 ms

Below is generated by plot.py at 2018-08-22 23:17:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 34.011 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 33.935 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 33.997 ms

Loss rate: 0.33%

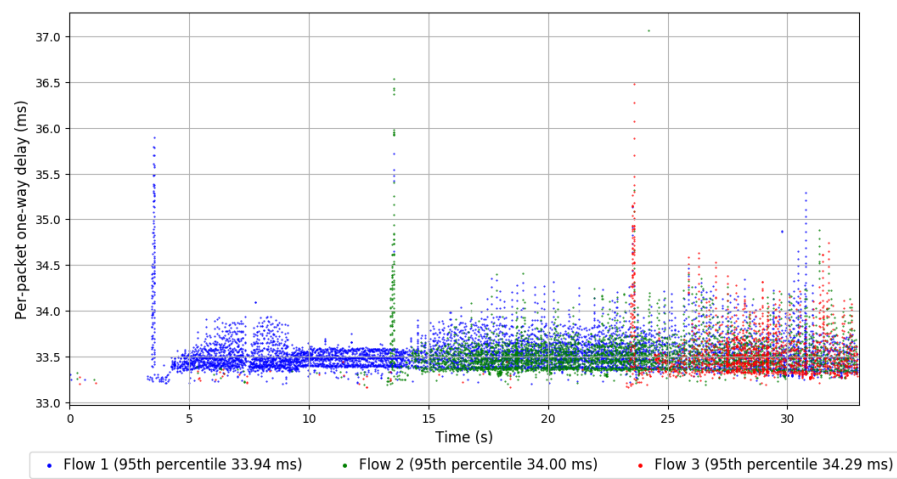
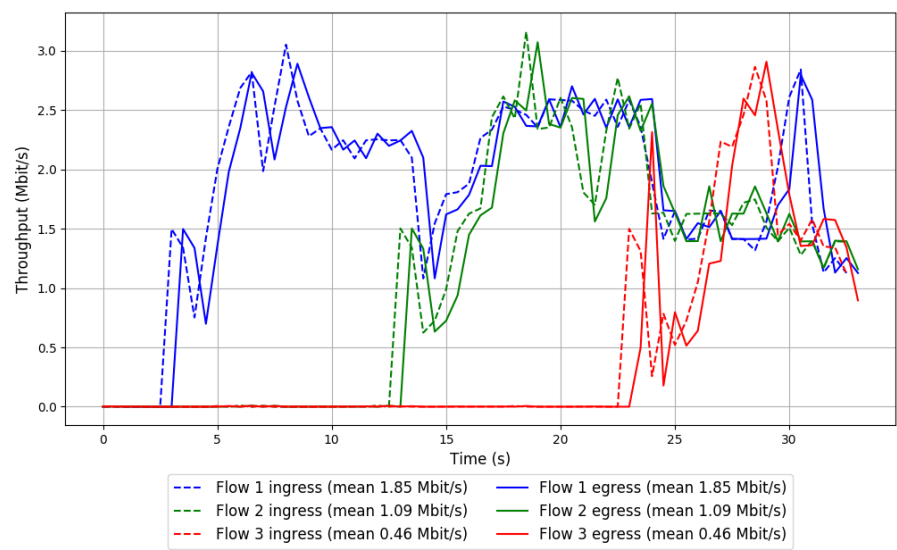
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 34.294 ms

Loss rate: 0.75%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-22 19:48:56

End at: 2018-08-22 19:49:26

Local clock offset: 0.3 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2018-08-22 23:17:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 34.272 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 34.168 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 34.346 ms

Loss rate: 0.32%

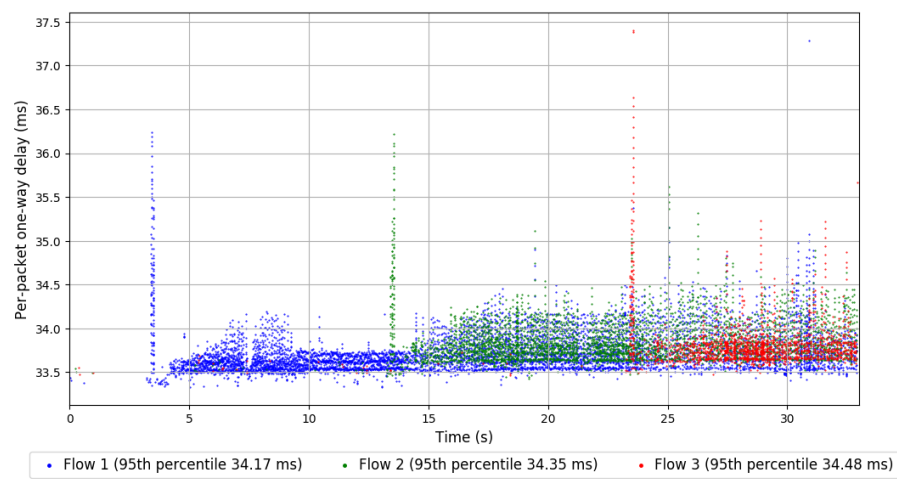
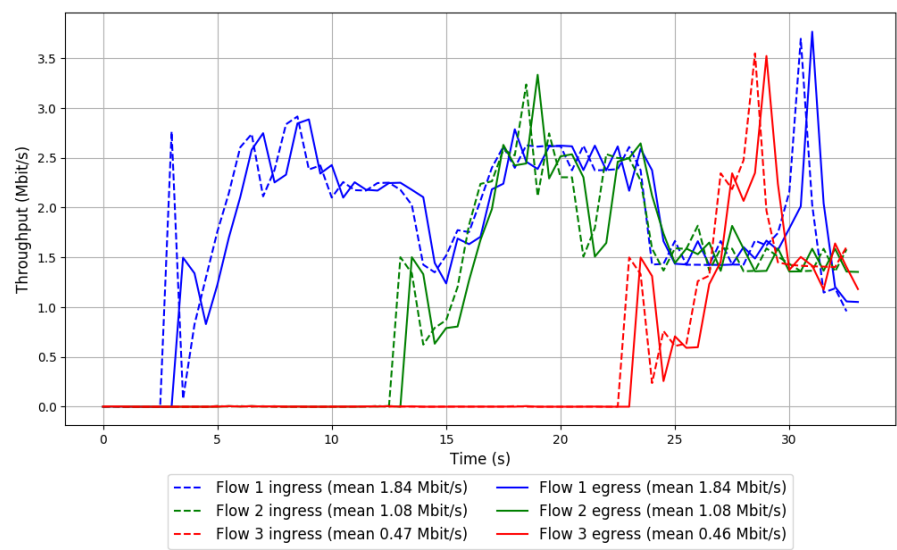
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 34.476 ms

Loss rate: 1.40%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-22 20:11:50

End at: 2018-08-22 20:12:20

Local clock offset: 0.416 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2018-08-22 23:17:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 34.244 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 34.197 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 34.255 ms

Loss rate: 0.32%

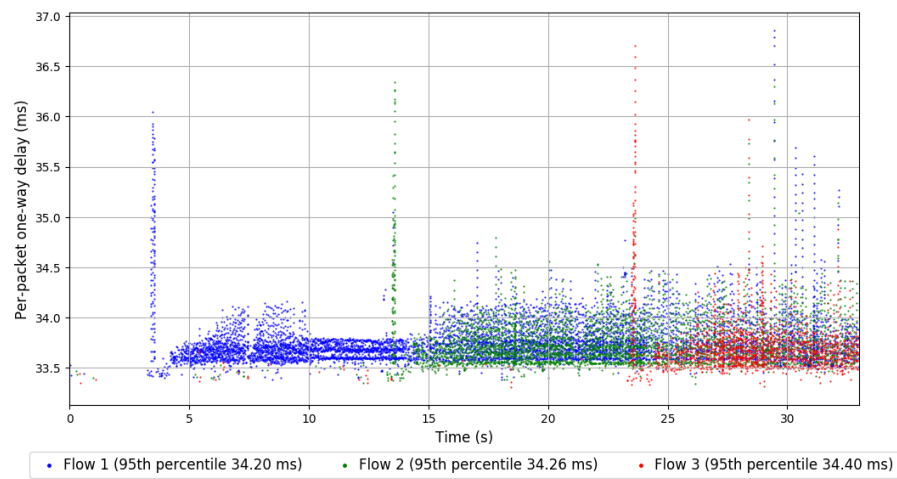
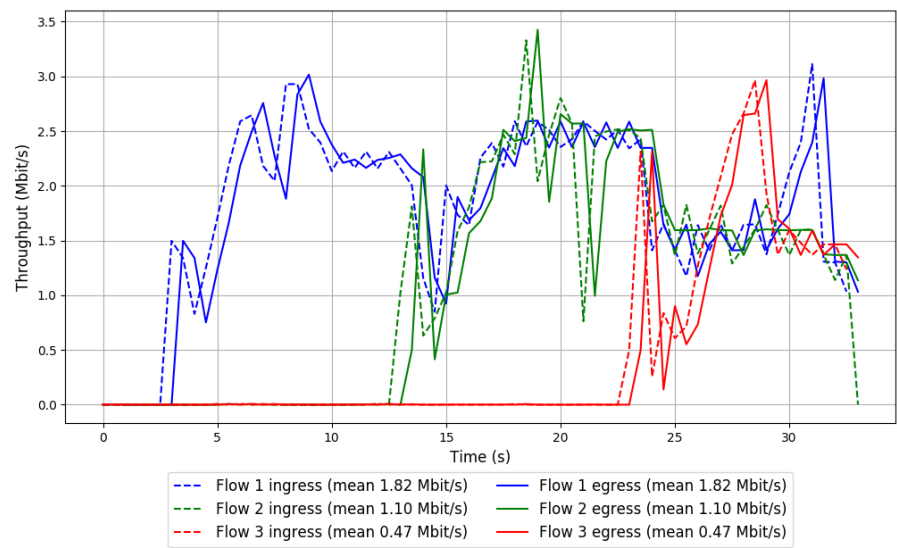
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 34.399 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-22 20:34:54

End at: 2018-08-22 20:35:24

Local clock offset: 0.477 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-08-22 23:17:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 34.154 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 34.115 ms

Loss rate: 0.32%

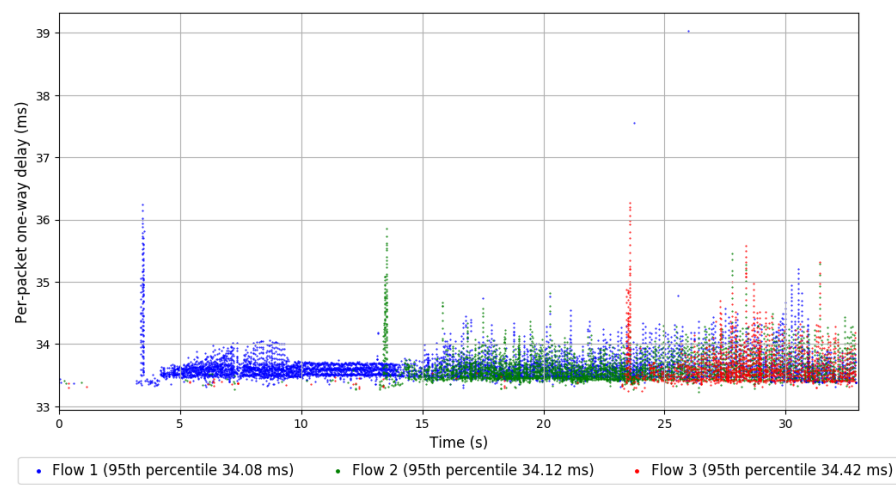
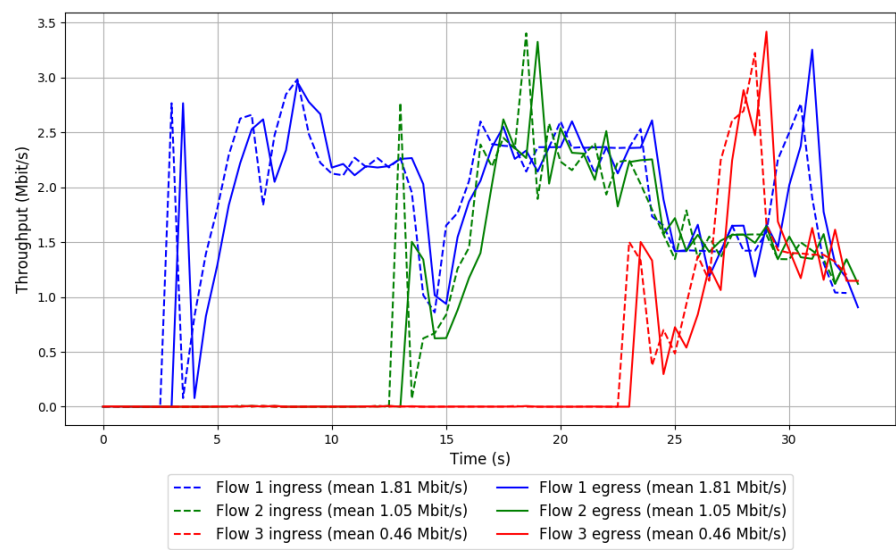
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 34.424 ms

Loss rate: 0.76%

Run 5: Report of WebRTC media — Data Link

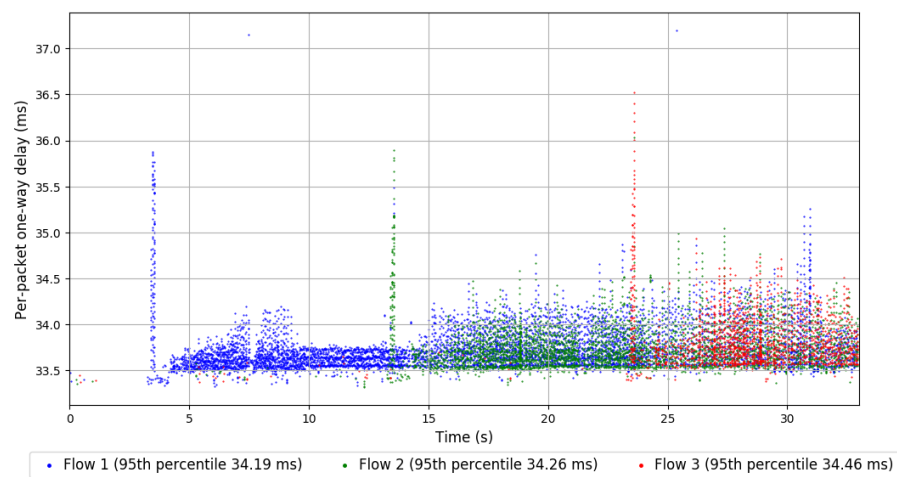
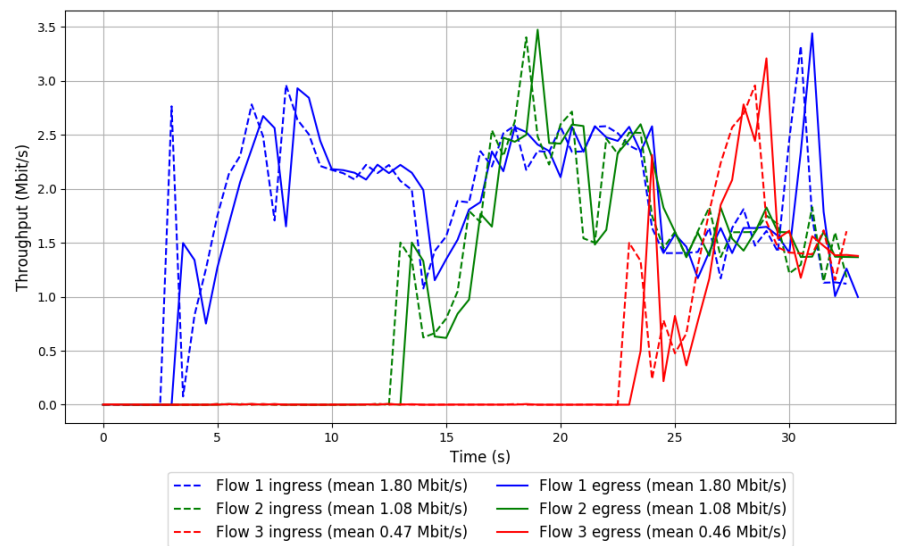


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 20:57:52
End at: 2018-08-22 20:58:22
Local clock offset: -3.123 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 34.260 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 34.187 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 34.261 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.76%

Run 6: Report of WebRTC media — Data Link

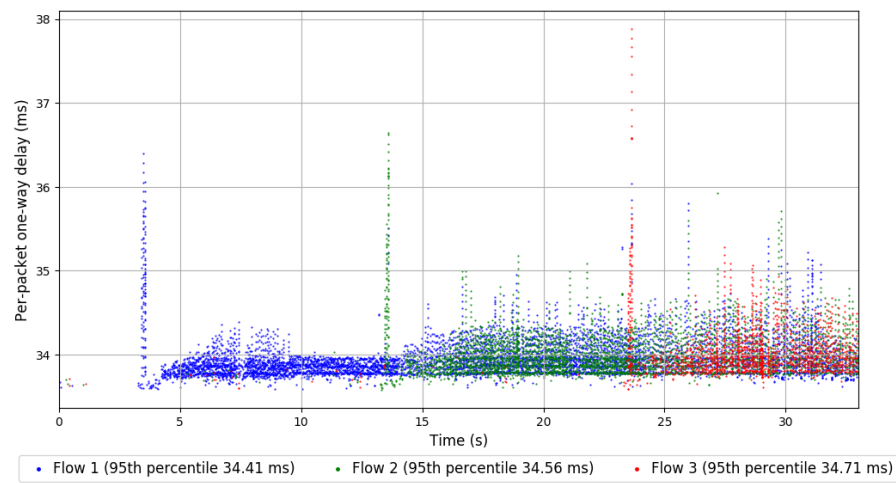
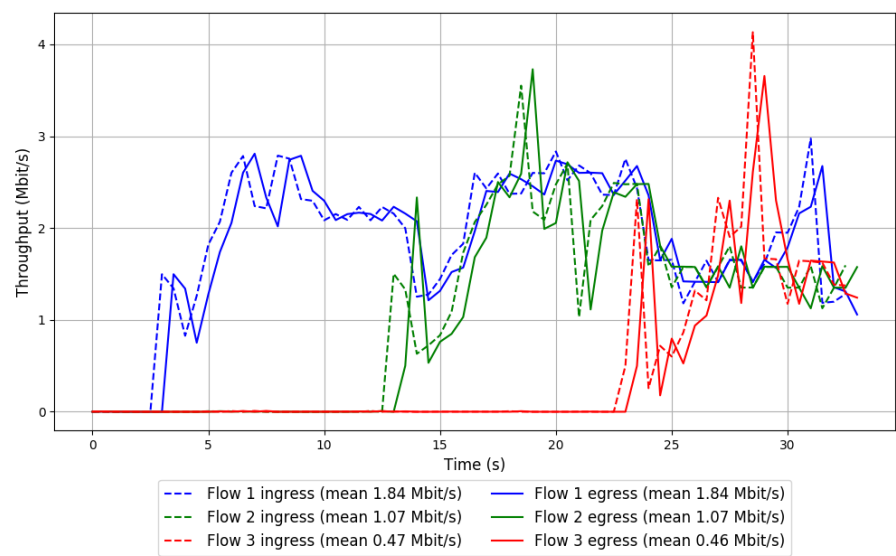


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 21:20:46
End at: 2018-08-22 21:21:16
Local clock offset: -4.056 ms
Remote clock offset: -1.774 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 34.513 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 34.407 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 34.558 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 34.709 ms
Loss rate: 0.75%

Run 7: Report of WebRTC media — Data Link

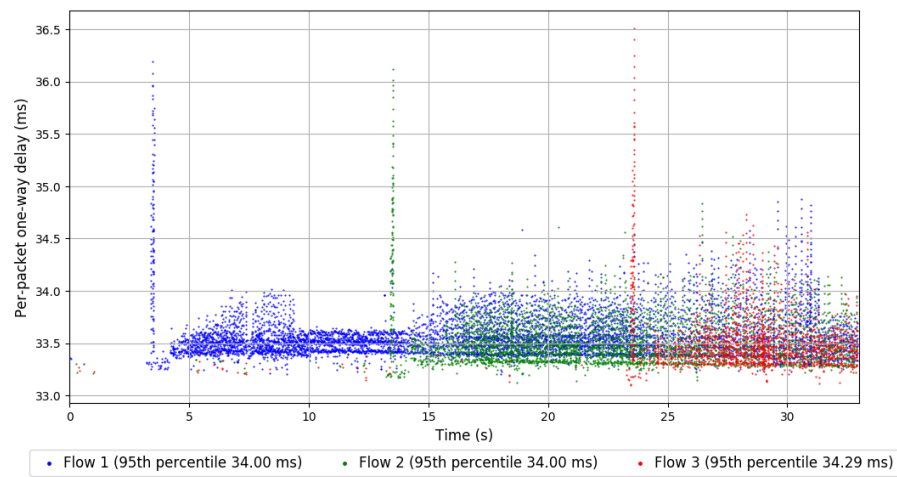
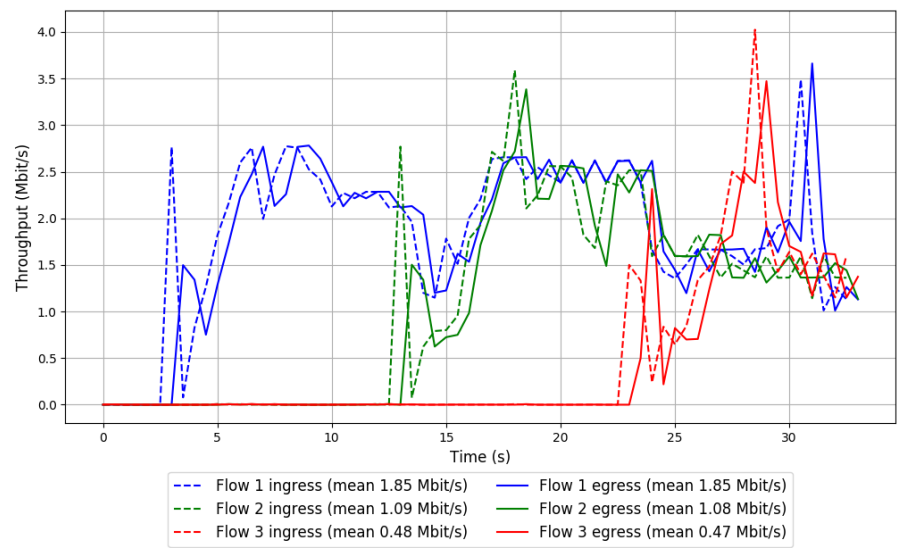


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 21:43:38
End at: 2018-08-22 21:44:08
Local clock offset: -1.913 ms
Remote clock offset: -1.937 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 34.033 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 34.004 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 33.998 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 34.289 ms
Loss rate: 0.73%

Run 8: Report of WebRTC media — Data Link

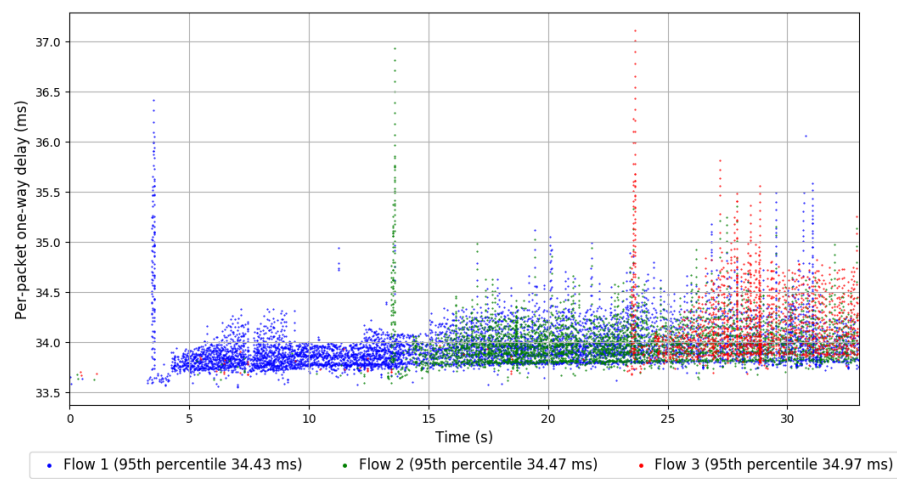
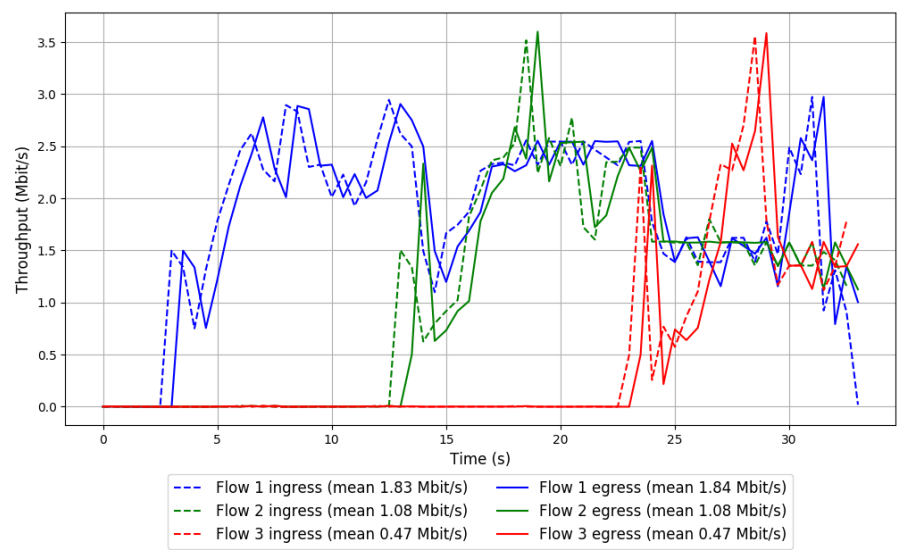


Run 9: Statistics of WebRTC media

Start at: 2018-08-22 22:06:54
End at: 2018-08-22 22:07:25
Local clock offset: 1.285 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 34.577 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 34.426 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 34.467 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 34.970 ms
Loss rate: 0.72%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 22:29:56
End at: 2018-08-22 22:30:26
Local clock offset: 0.779 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-08-22 23:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 34.252 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 34.231 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 34.442 ms
Loss rate: 0.26%

Run 10: Report of WebRTC media — Data Link

