

Pantheon Report

Generated at 2018-06-05 07:41:17 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

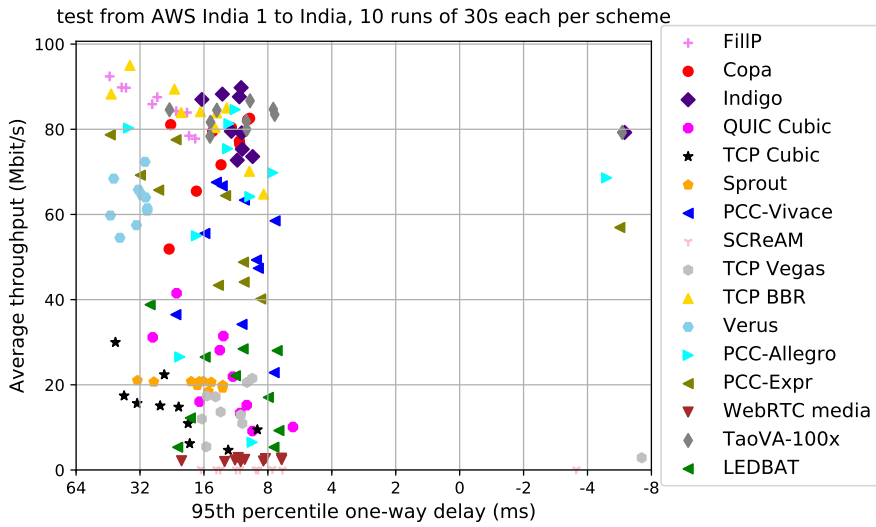
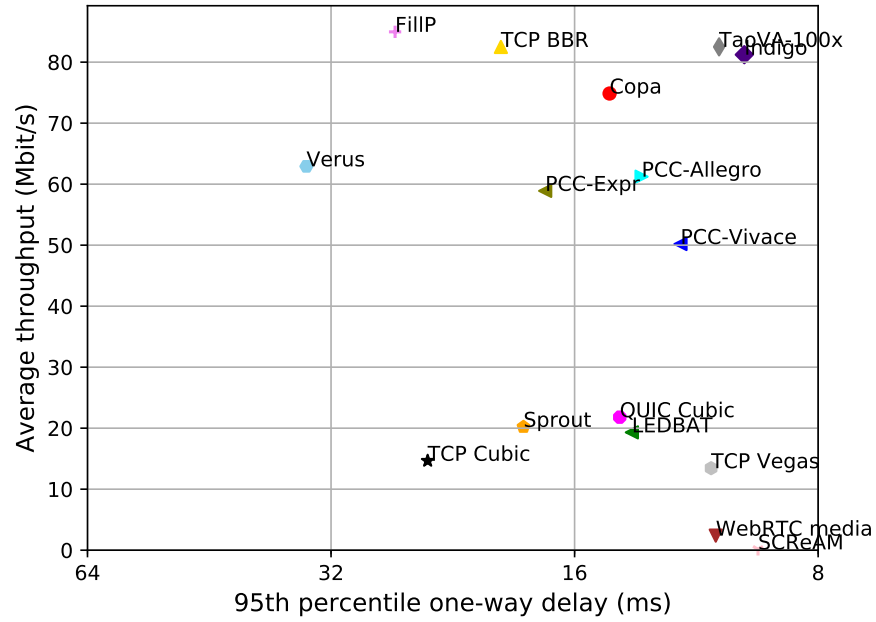
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	82.49	19.73	10.25
Copa	10	74.86	14.48	8.38
TCP Cubic	10	14.65	24.31	1.06
FillP	10	84.97	26.67	11.89
Indigo	10	81.22	9.87	8.89
LEDBAT	10	19.31	13.59	1.04
PCC-Allegro	10	61.23	13.22	6.03
PCC-Expr	10	58.90	17.40	7.55
QUIC Cubic	10	21.80	14.07	1.91
SCReAM	10	0.13	9.49	1.21
Sprout	10	20.22	18.51	2.53
TaoVA-100x	10	82.50	10.61	9.66
TCP Vegas	10	13.44	10.85	1.56
Verus	10	62.92	34.32	13.28
PCC-Vivace	10	50.19	11.84	5.21
WebRTC media	10	2.38	10.71	1.22

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 04:25:05

End at: 2018-06-05 04:25:35

Local clock offset: -0.85 ms

Remote clock offset: -3.81 ms

Below is generated by plot.py at 2018-06-05 07:26:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 16.604 ms

Loss rate: 11.39%

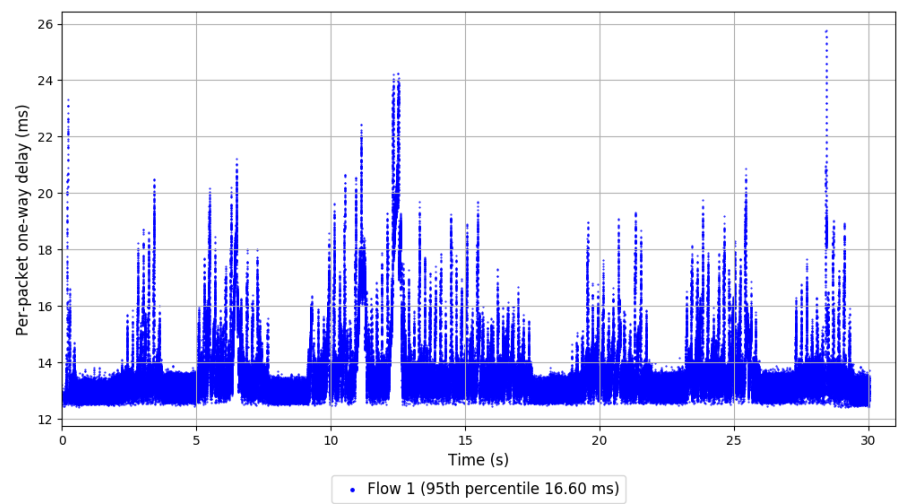
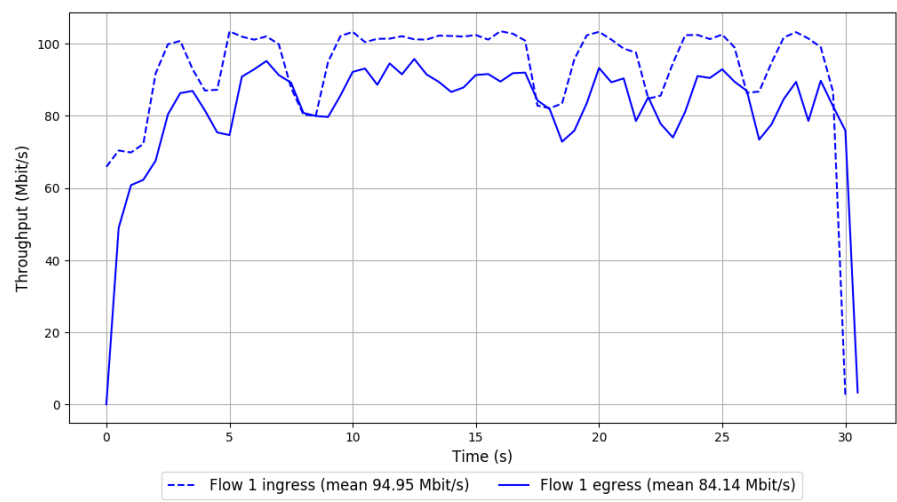
-- Flow 1:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 16.604 ms

Loss rate: 11.39%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 04:43:36

End at: 2018-06-05 04:44:06

Local clock offset: 0.047 ms

Remote clock offset: -5.929 ms

Below is generated by plot.py at 2018-06-05 07:26:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.43 Mbit/s

95th percentile per-packet one-way delay: 22.026 ms

Loss rate: 8.29%

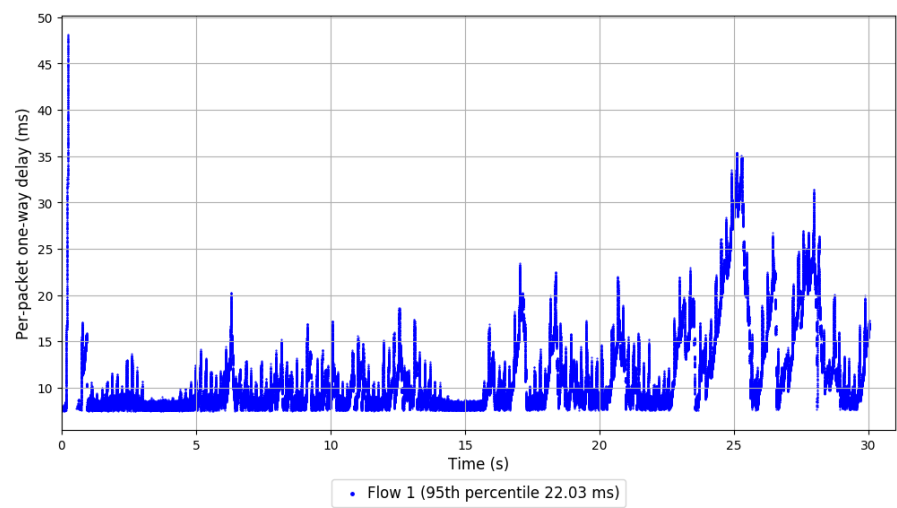
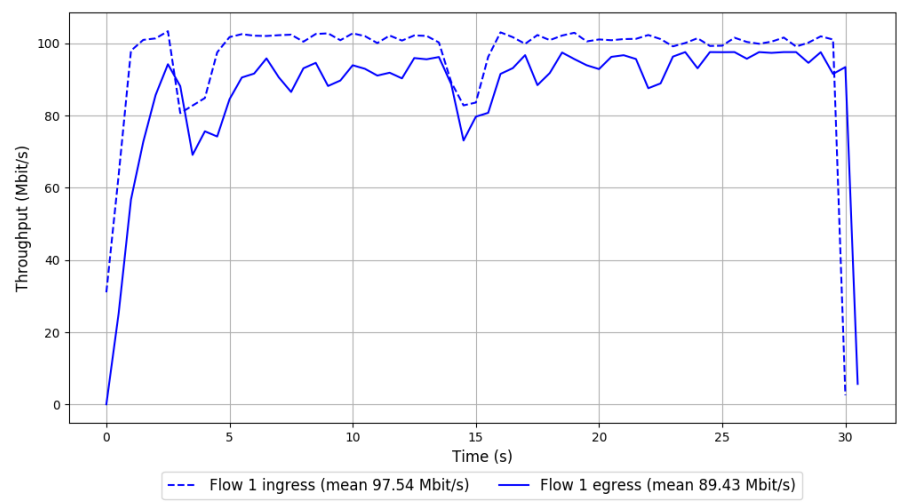
-- Flow 1:

Average throughput: 89.43 Mbit/s

95th percentile per-packet one-way delay: 22.026 ms

Loss rate: 8.29%

Run 2: Report of TCP BBR — Data Link

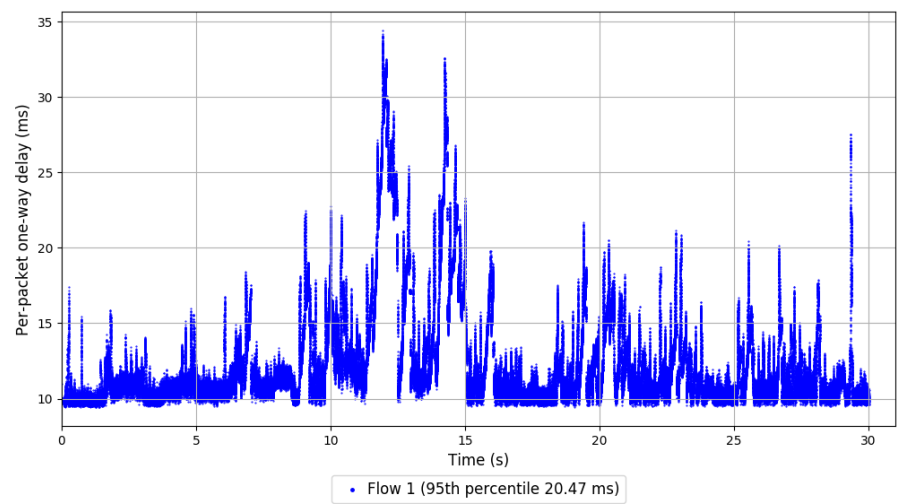
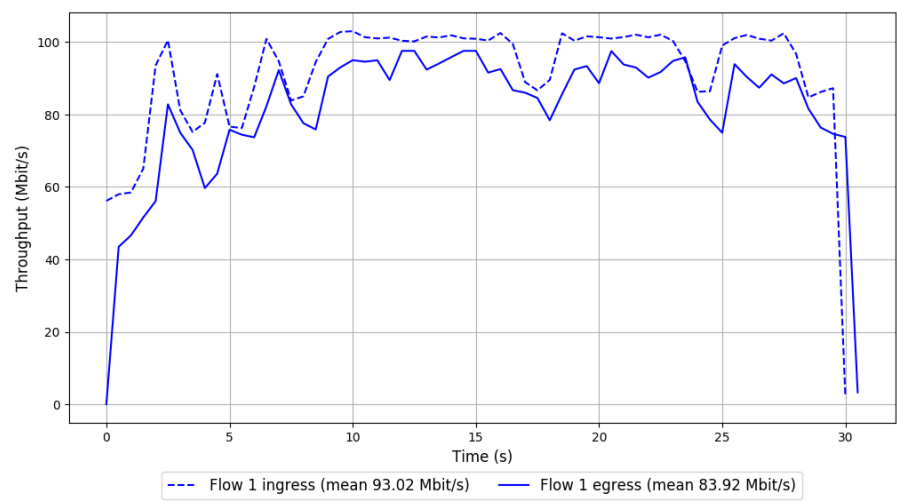


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 05:01:51
End at: 2018-06-05 05:02:21
Local clock offset: -4.435 ms
Remote clock offset: -11.464 ms

Below is generated by plot.py at 2018-06-05 07:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 9.78%

Run 3: Report of TCP BBR — Data Link

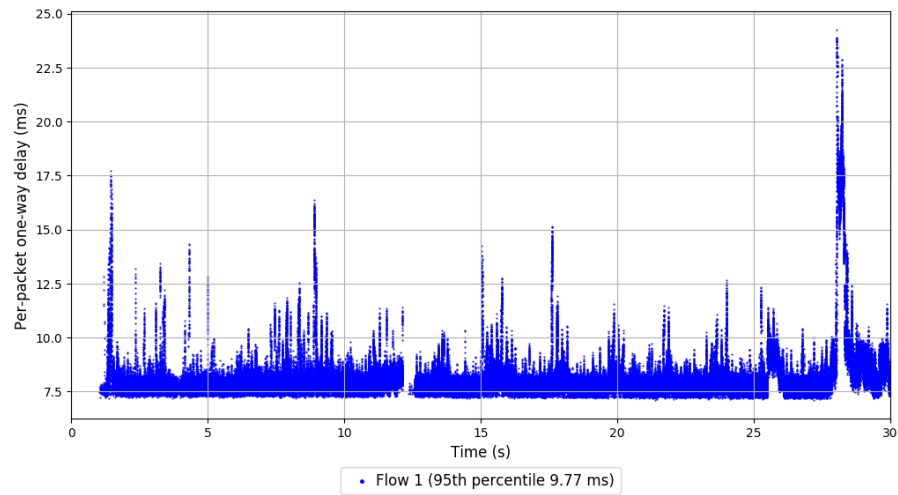
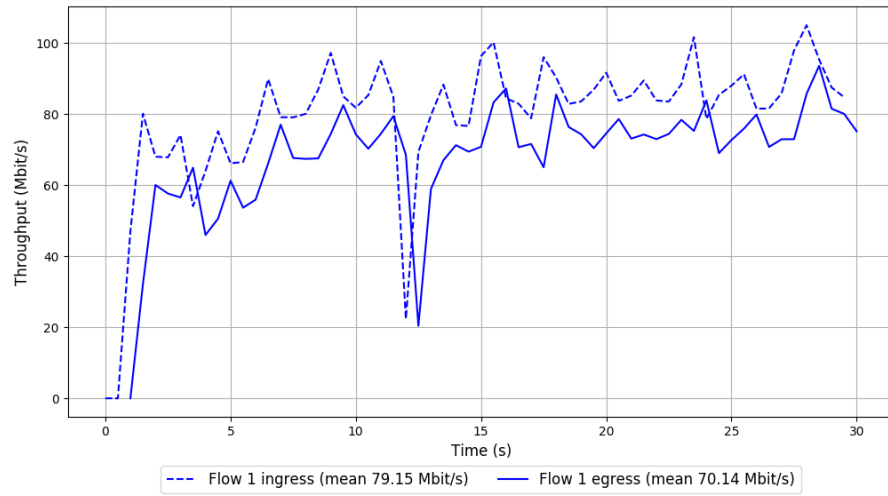


Run 4: Statistics of TCP BBR

Start at: 2018-06-05 05:20:08
End at: 2018-06-05 05:20:38
Local clock offset: -1.113 ms
Remote clock offset: -11.427 ms

Below is generated by plot.py at 2018-06-05 07:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 9.766 ms
Loss rate: 14.39%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 9.766 ms
Loss rate: 14.39%

Run 4: Report of TCP BBR — Data Link

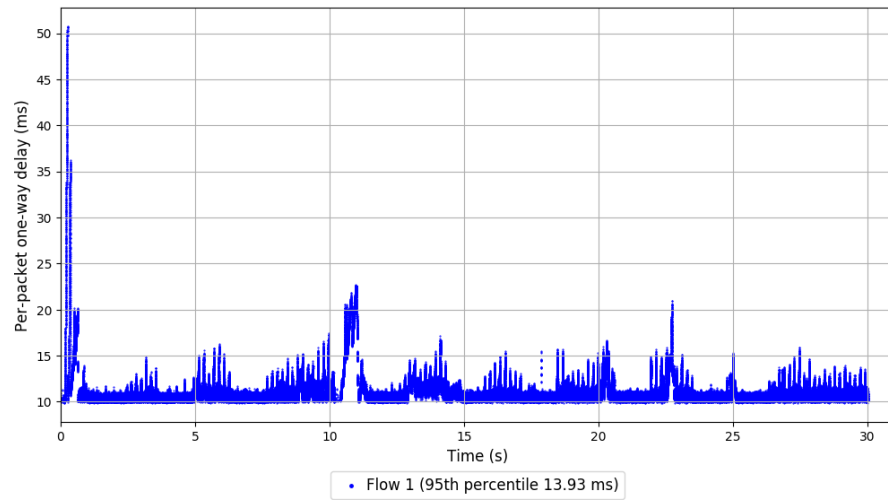
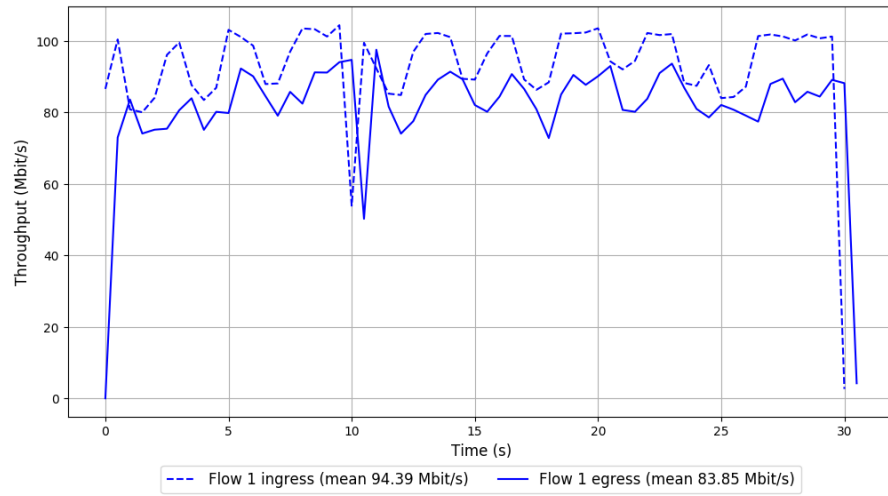


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 05:38:56
End at: 2018-06-05 05:39:26
Local clock offset: -4.031 ms
Remote clock offset: -10.402 ms

Below is generated by plot.py at 2018-06-05 07:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 13.931 ms
Loss rate: 11.17%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 13.931 ms
Loss rate: 11.17%

Run 5: Report of TCP BBR — Data Link

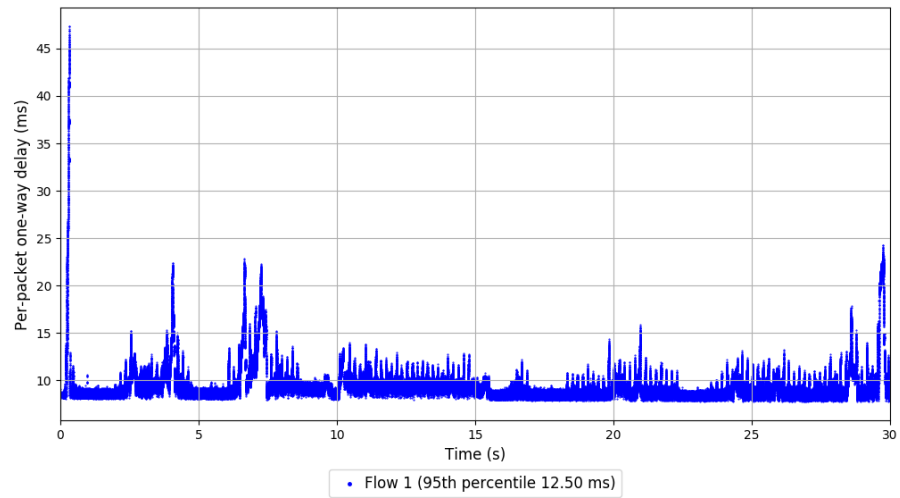
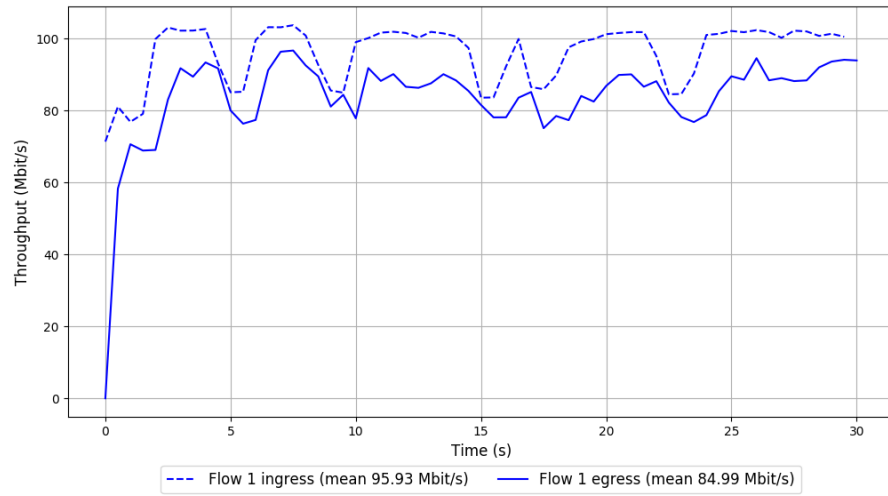


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 05:57:19
End at: 2018-06-05 05:57:49
Local clock offset: -2.045 ms
Remote clock offset: -6.046 ms

Below is generated by plot.py at 2018-06-05 07:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 12.497 ms
Loss rate: 11.41%
-- Flow 1:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 12.497 ms
Loss rate: 11.41%

Run 6: Report of TCP BBR — Data Link

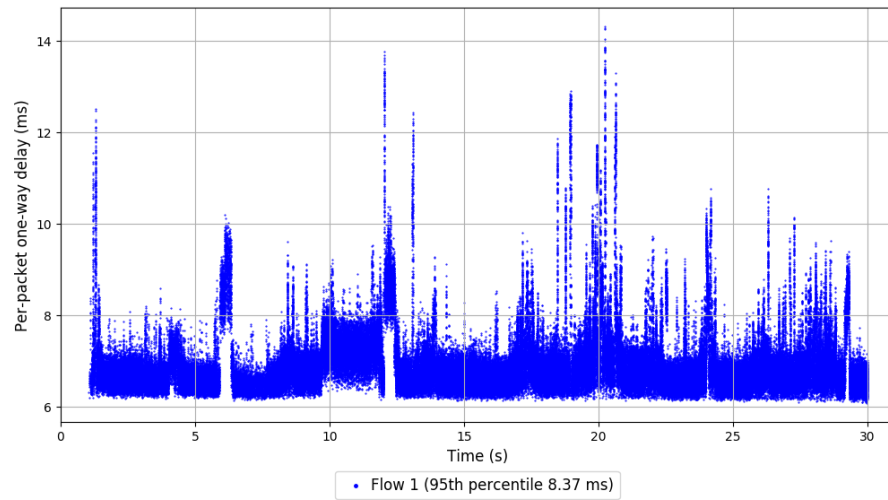
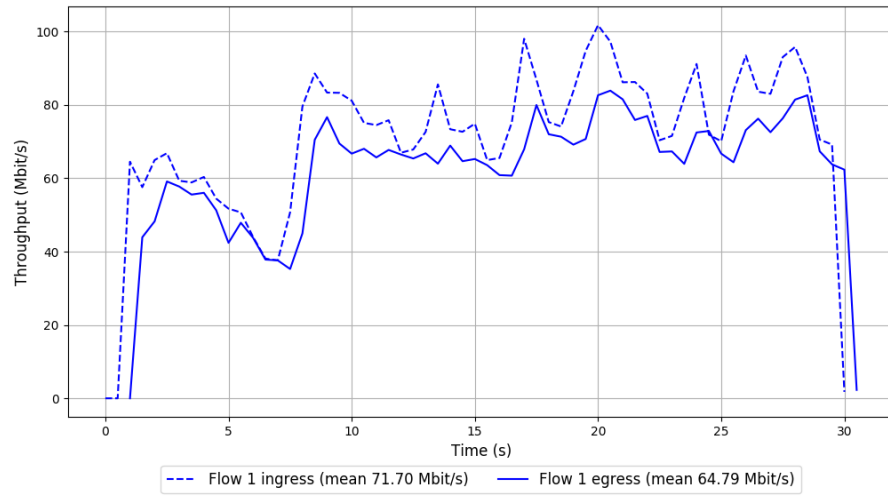


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 06:16:19
End at: 2018-06-05 06:16:50
Local clock offset: -1.137 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-06-05 07:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 8.373 ms
Loss rate: 12.74%
-- Flow 1:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 8.373 ms
Loss rate: 12.74%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 06:35:09

End at: 2018-06-05 06:35:39

Local clock offset: -3.154 ms

Remote clock offset: 4.494 ms

Below is generated by plot.py at 2018-06-05 07:26:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 14.213 ms

Loss rate: 12.16%

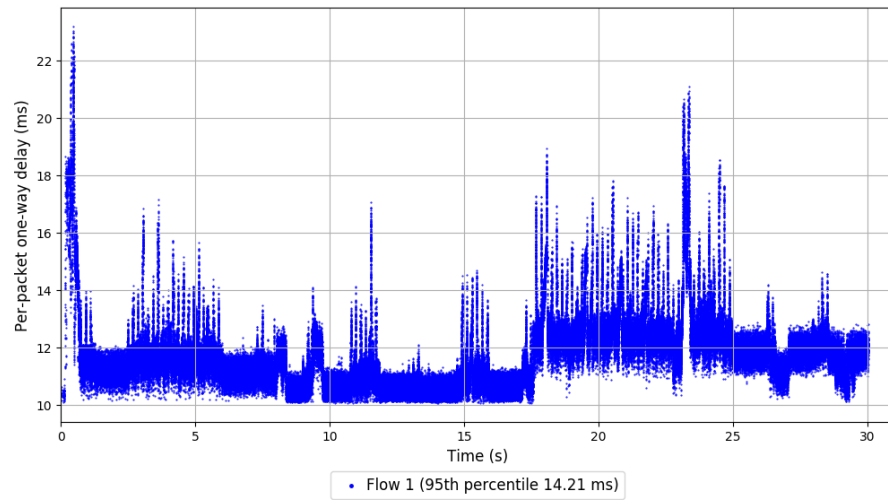
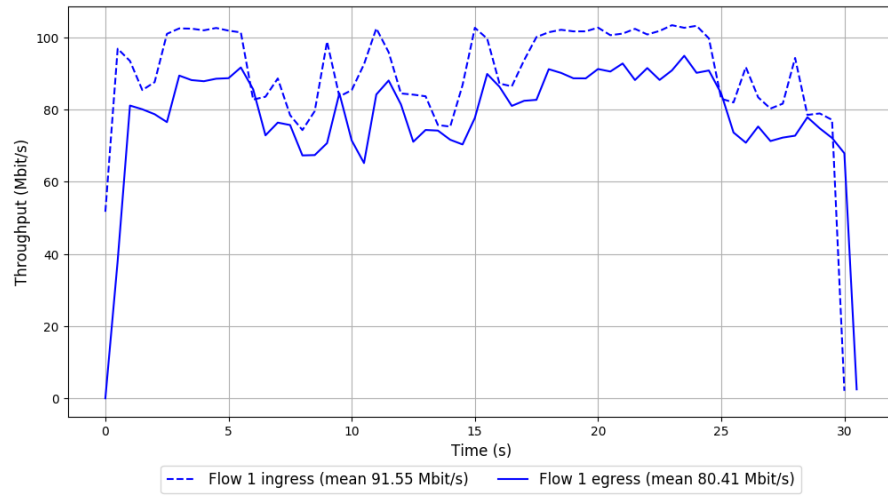
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 14.213 ms

Loss rate: 12.16%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-05 06:53:43

End at: 2018-06-05 06:54:13

Local clock offset: -0.281 ms

Remote clock offset: 7.955 ms

Below is generated by plot.py at 2018-06-05 07:27:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 35.707 ms

Loss rate: 4.00%

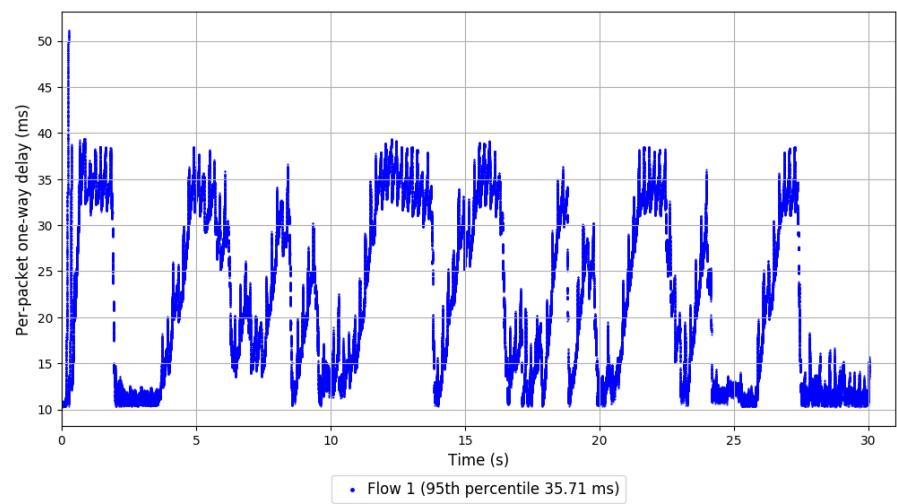
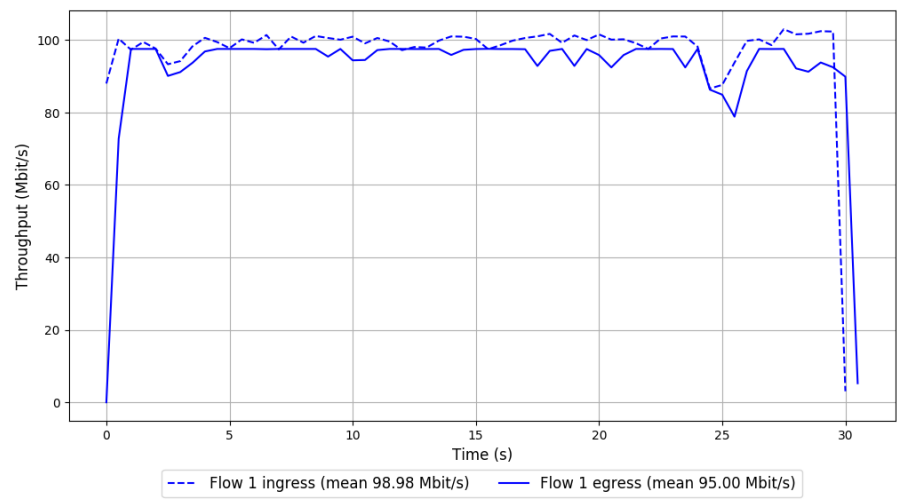
-- Flow 1:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 35.707 ms

Loss rate: 4.00%

Run 9: Report of TCP BBR — Data Link

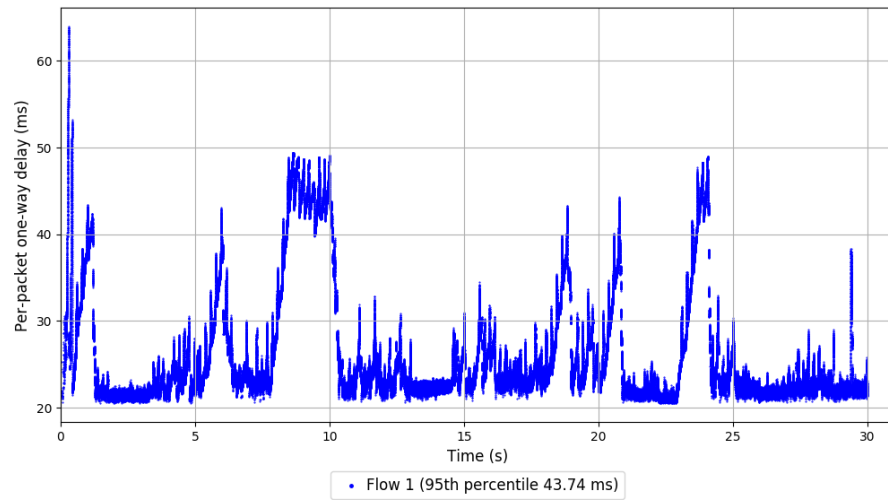
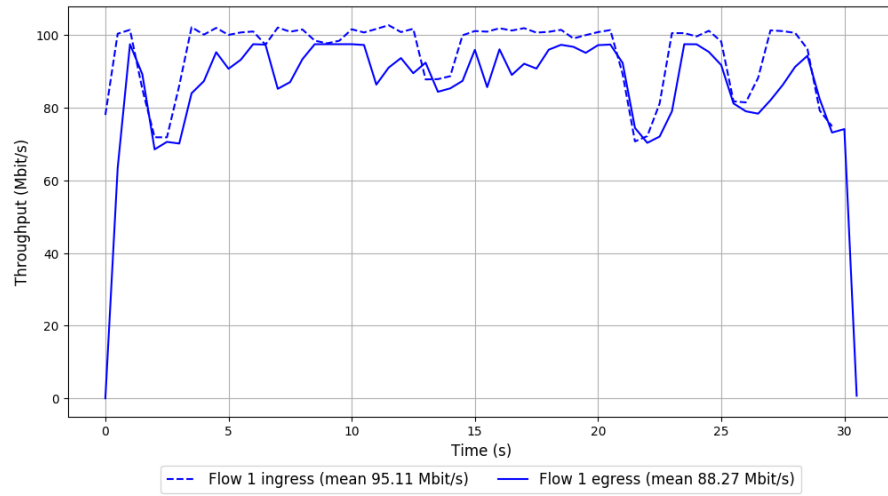


Run 10: Statistics of TCP BBR

Start at: 2018-06-05 07:12:01
End at: 2018-06-05 07:12:31
Local clock offset: -0.303 ms
Remote clock offset: 11.278 ms

Below is generated by plot.py at 2018-06-05 07:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 43.743 ms
Loss rate: 7.20%
-- Flow 1:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 43.743 ms
Loss rate: 7.20%

Run 10: Report of TCP BBR — Data Link

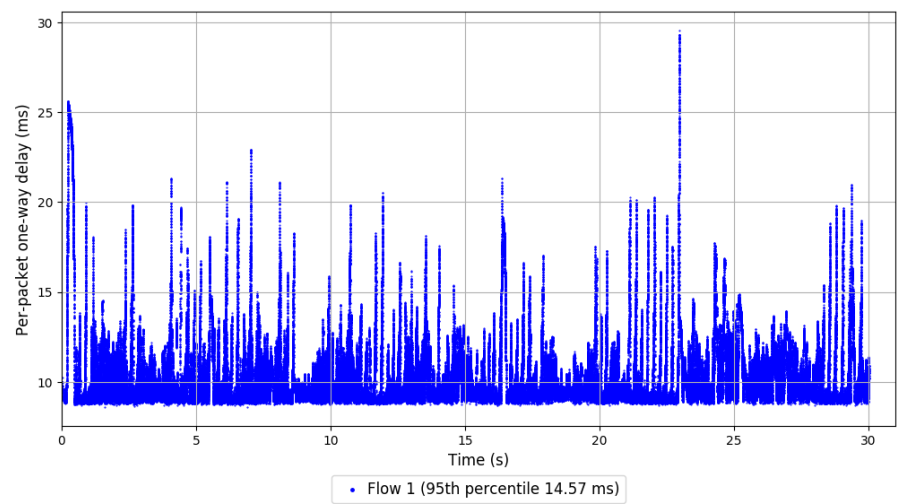
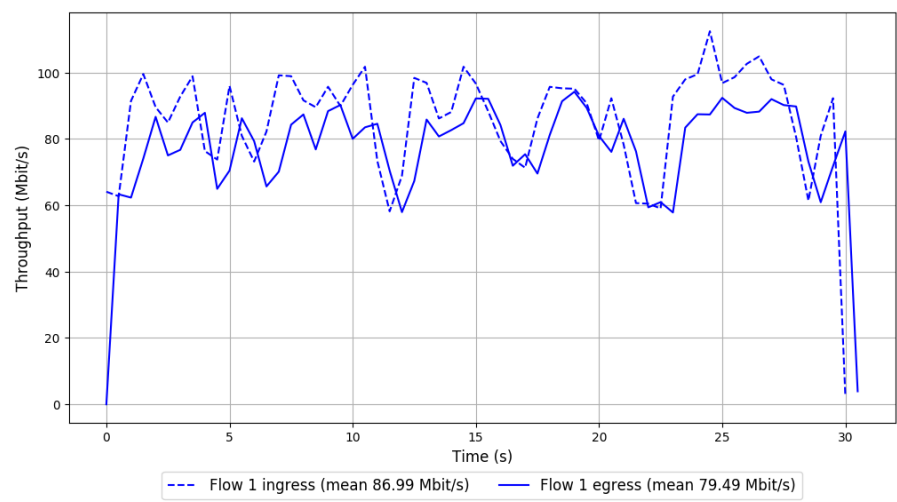


Run 1: Statistics of Copa

Start at: 2018-06-05 04:33:14
End at: 2018-06-05 04:33:44
Local clock offset: -0.927 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-06-05 07:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 14.569 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 14.569 ms
Loss rate: 8.61%

Run 1: Report of Copa — Data Link

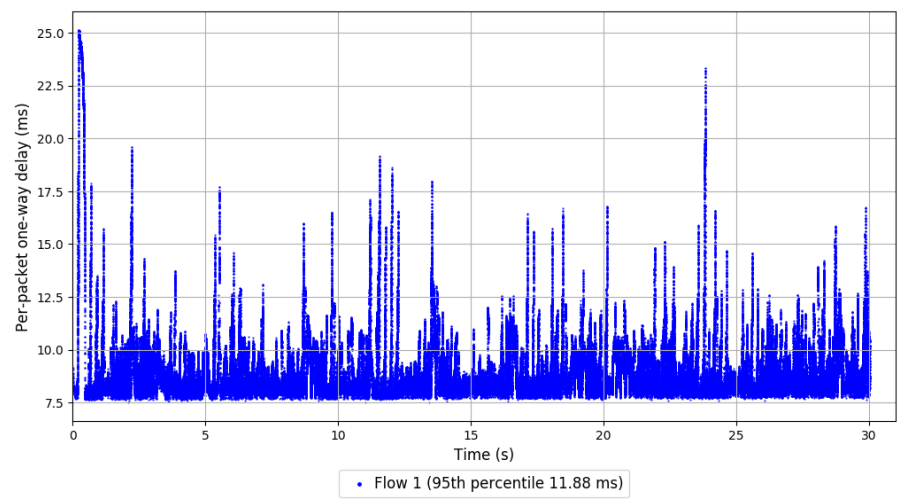
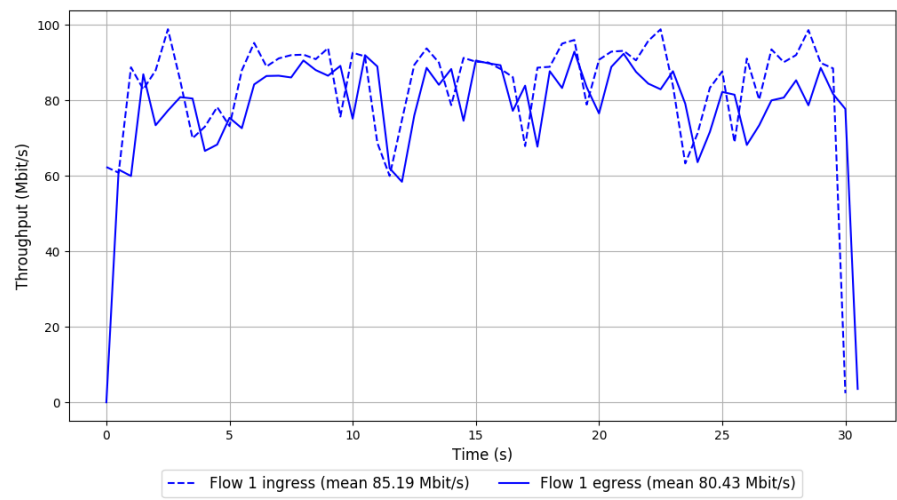


Run 2: Statistics of Copa

Start at: 2018-06-05 04:51:31
End at: 2018-06-05 04:52:01
Local clock offset: -0.861 ms
Remote clock offset: -8.399 ms

Below is generated by plot.py at 2018-06-05 07:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.43 Mbit/s
95th percentile per-packet one-way delay: 11.878 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 80.43 Mbit/s
95th percentile per-packet one-way delay: 11.878 ms
Loss rate: 5.58%

Run 2: Report of Copa — Data Link

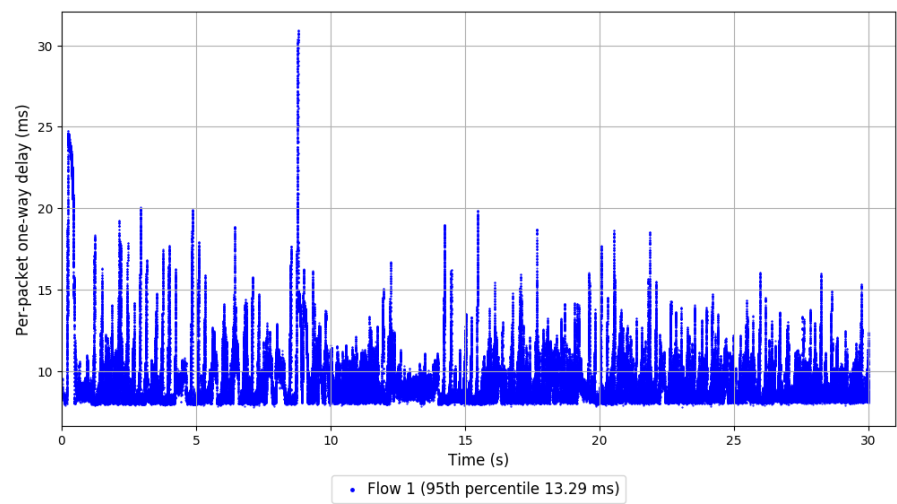
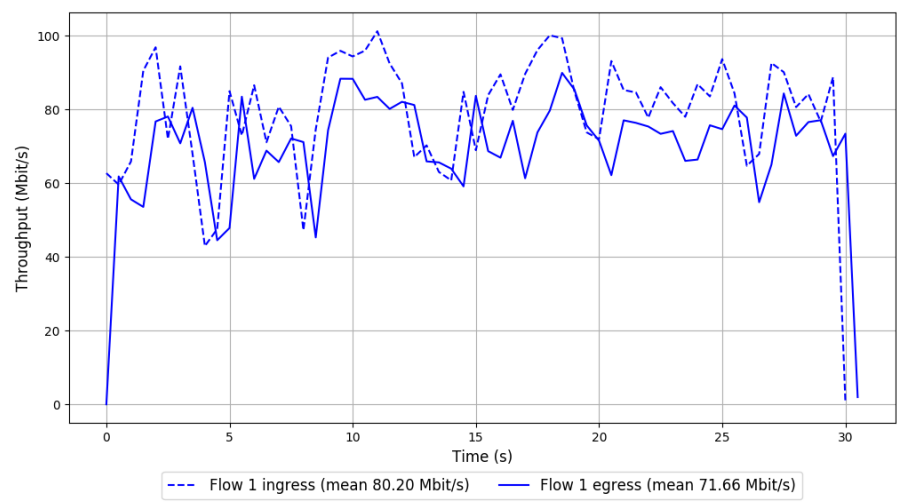


Run 3: Statistics of Copa

Start at: 2018-06-05 05:09:45
End at: 2018-06-05 05:10:15
Local clock offset: -2.557 ms
Remote clock offset: -12.059 ms

Below is generated by plot.py at 2018-06-05 07:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.66 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 71.66 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 10.64%

Run 3: Report of Copa — Data Link

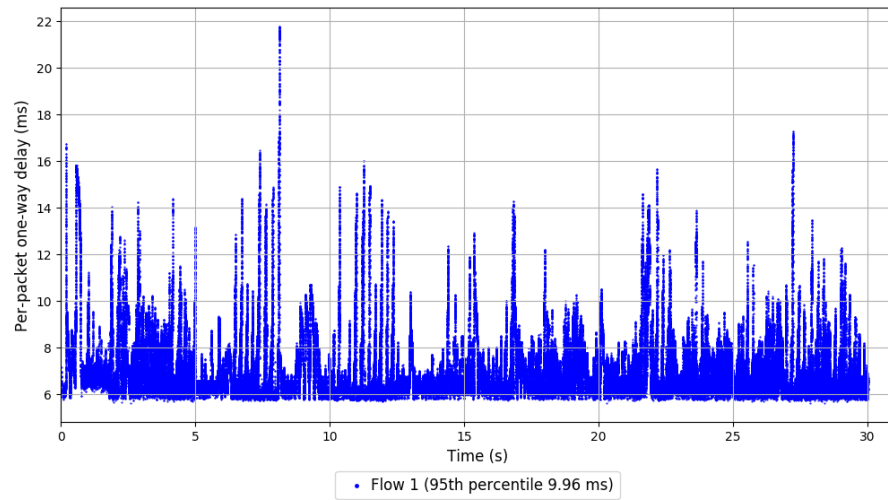
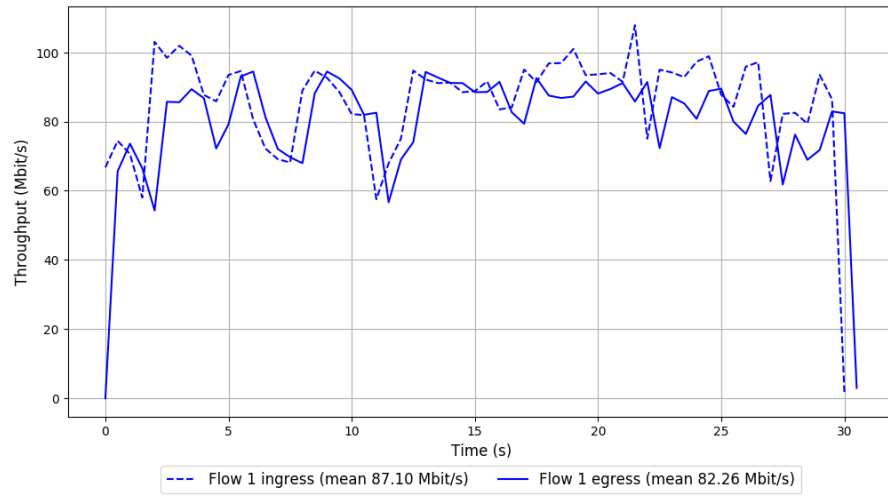


Run 4: Statistics of Copa

Start at: 2018-06-05 05:28:38
End at: 2018-06-05 05:29:08
Local clock offset: -3.758 ms
Remote clock offset: -14.27 ms

Below is generated by plot.py at 2018-06-05 07:28:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 9.956 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 9.956 ms
Loss rate: 5.56%

Run 4: Report of Copa — Data Link

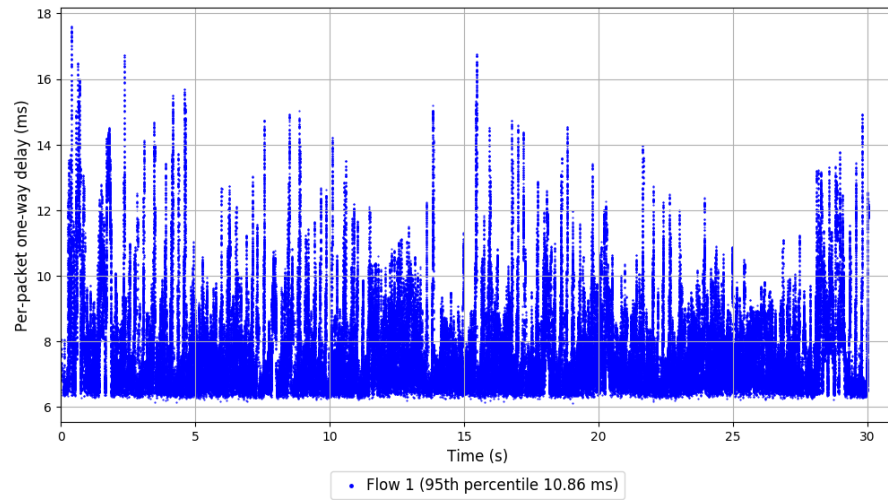
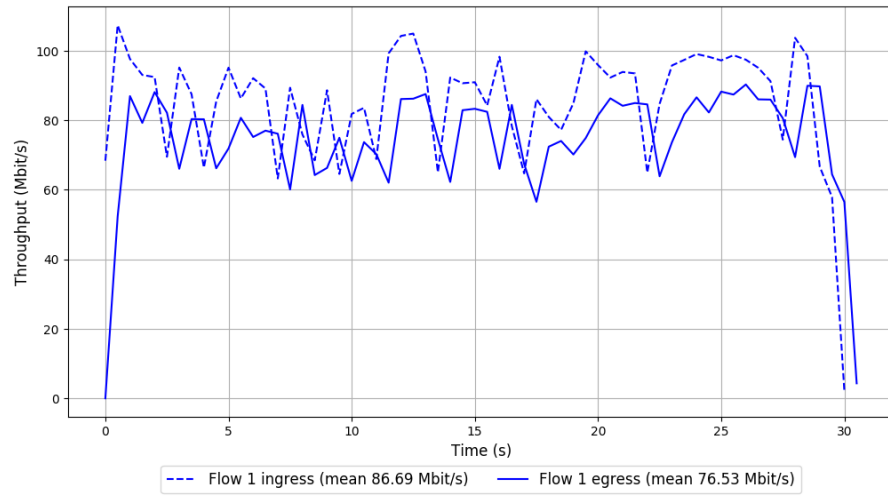


Run 5: Statistics of Copa

Start at: 2018-06-05 05:46:59
End at: 2018-06-05 05:47:29
Local clock offset: 0.457 ms
Remote clock offset: -9.595 ms

Below is generated by plot.py at 2018-06-05 07:28:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 10.855 ms
Loss rate: 11.71%
-- Flow 1:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 10.855 ms
Loss rate: 11.71%

Run 5: Report of Copa — Data Link

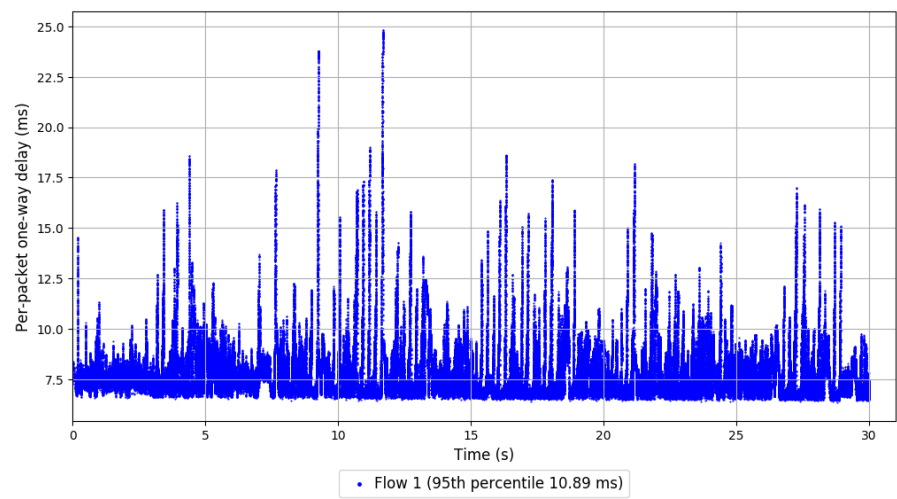
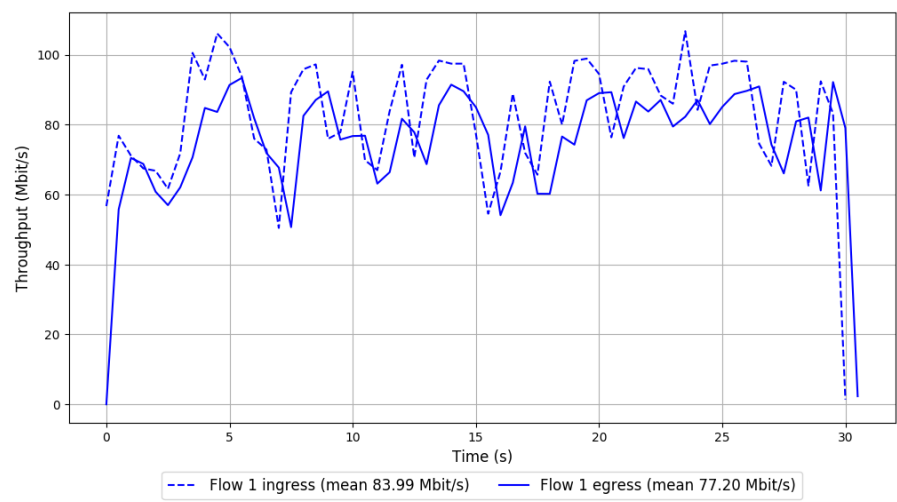


Run 6: Statistics of Copa

Start at: 2018-06-05 06:05:29
End at: 2018-06-05 06:05:59
Local clock offset: -1.157 ms
Remote clock offset: -2.769 ms

Below is generated by plot.py at 2018-06-05 07:28:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 10.892 ms
Loss rate: 8.09%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 10.892 ms
Loss rate: 8.09%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-05 06:24:27

End at: 2018-06-05 06:24:57

Local clock offset: -1.818 ms

Remote clock offset: 12.65 ms

Below is generated by plot.py at 2018-06-05 07:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.08 Mbit/s

95th percentile per-packet one-way delay: 22.939 ms

Loss rate: 13.37%

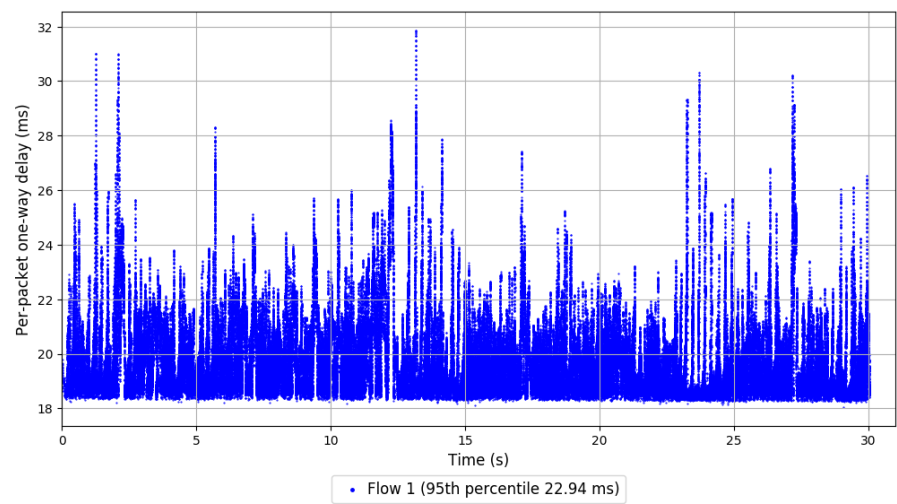
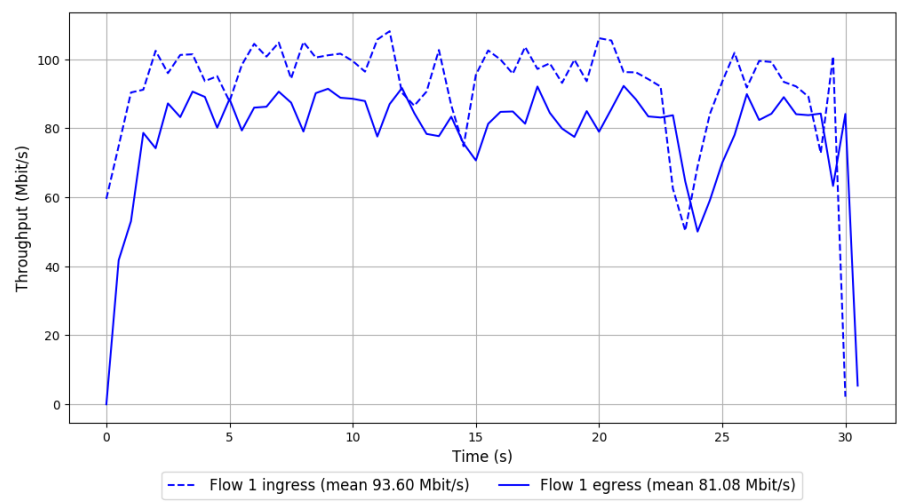
-- Flow 1:

Average throughput: 81.08 Mbit/s

95th percentile per-packet one-way delay: 22.939 ms

Loss rate: 13.37%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-05 06:43:11

End at: 2018-06-05 06:43:41

Local clock offset: -1.345 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-06-05 07:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.57 Mbit/s

95th percentile per-packet one-way delay: 9.752 ms

Loss rate: 8.20%

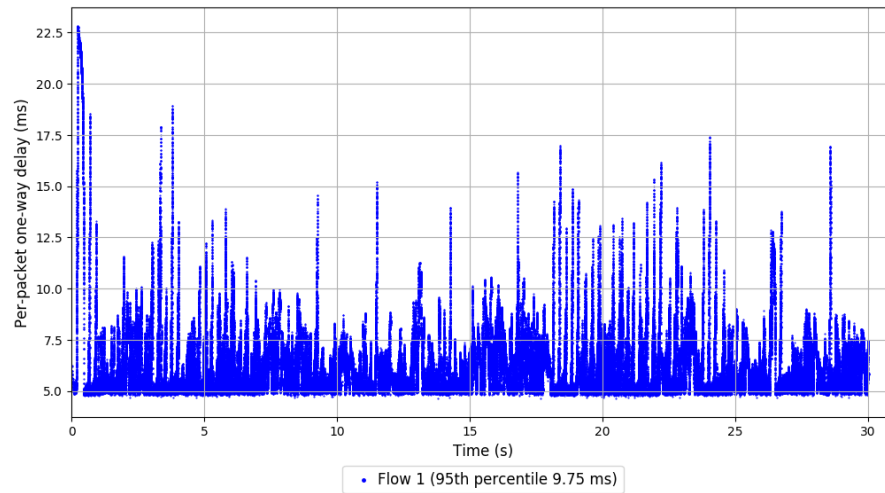
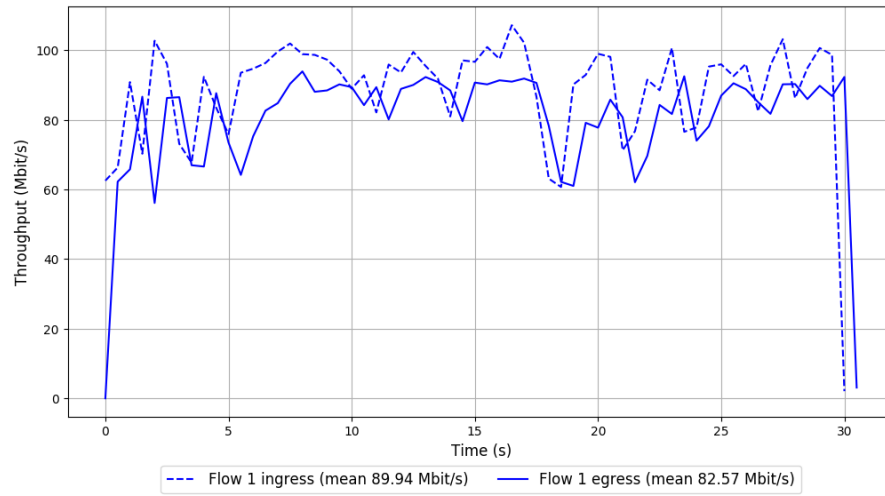
-- Flow 1:

Average throughput: 82.57 Mbit/s

95th percentile per-packet one-way delay: 9.752 ms

Loss rate: 8.20%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-05 07:01:47

End at: 2018-06-05 07:02:17

Local clock offset: -2.104 ms

Remote clock offset: 7.749 ms

Below is generated by plot.py at 2018-06-05 07:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 17.364 ms

Loss rate: 9.29%

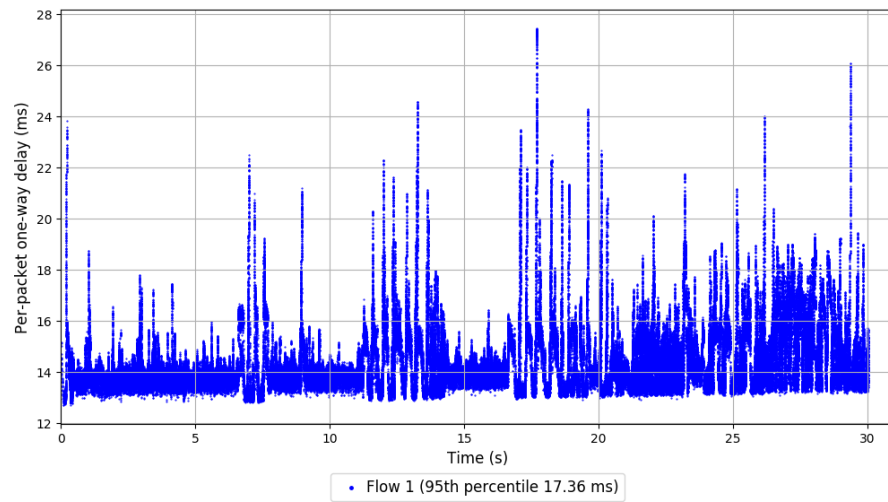
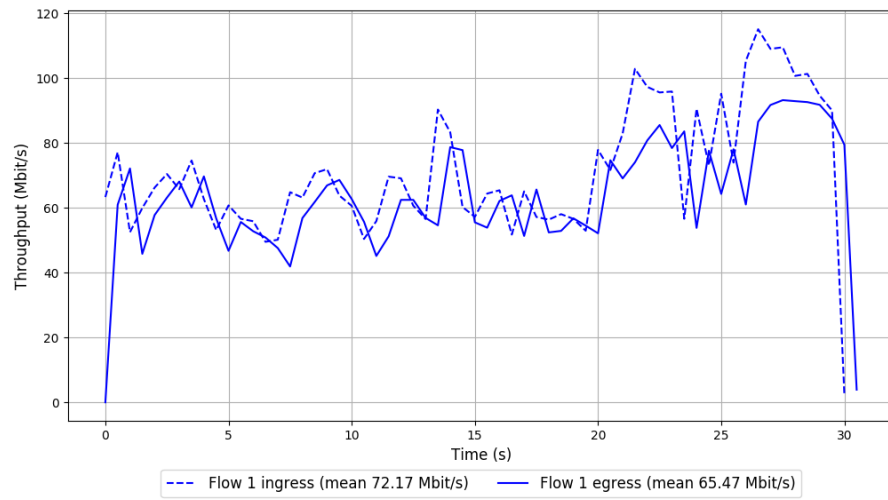
-- Flow 1:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 17.364 ms

Loss rate: 9.29%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 07:20:14

End at: 2018-06-05 07:20:44

Local clock offset: 1.24 ms

Remote clock offset: 9.819 ms

Below is generated by plot.py at 2018-06-05 07:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.88 Mbit/s

95th percentile per-packet one-way delay: 23.337 ms

Loss rate: 2.72%

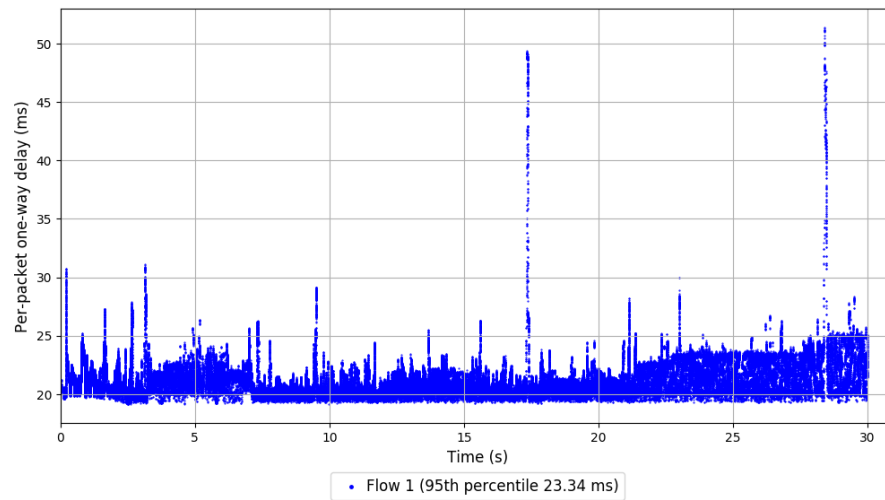
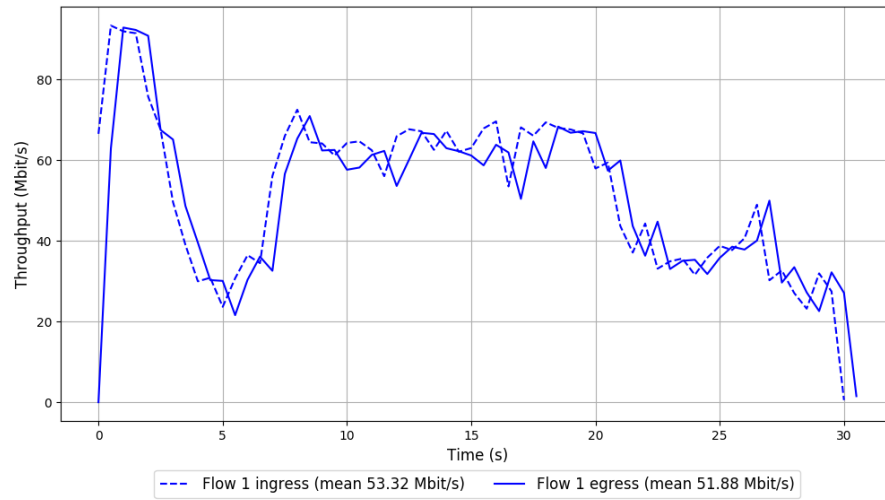
-- Flow 1:

Average throughput: 51.88 Mbit/s

95th percentile per-packet one-way delay: 23.337 ms

Loss rate: 2.72%

Run 10: Report of Copa — Data Link

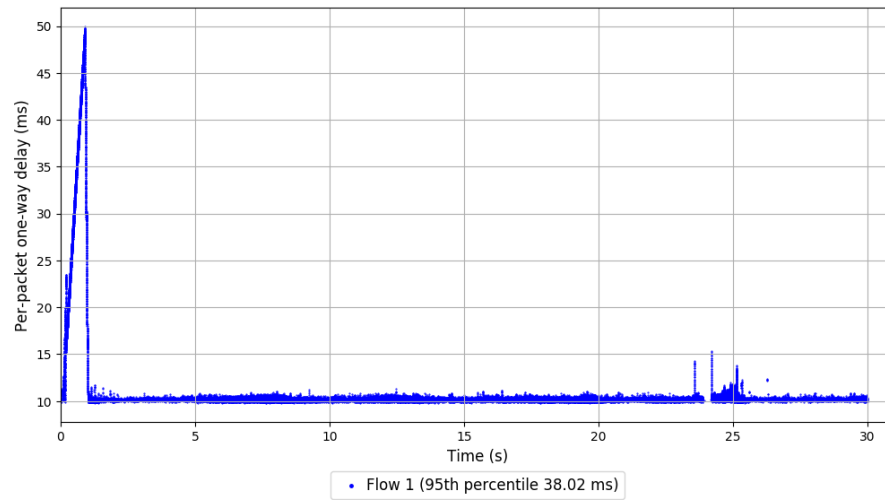
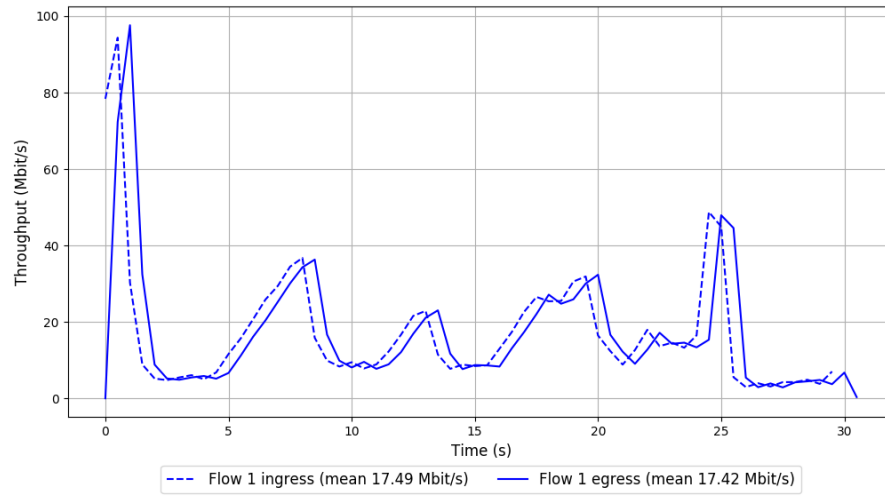


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 04:21:46
End at: 2018-06-05 04:22:16
Local clock offset: 2.345 ms
Remote clock offset: -2.999 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

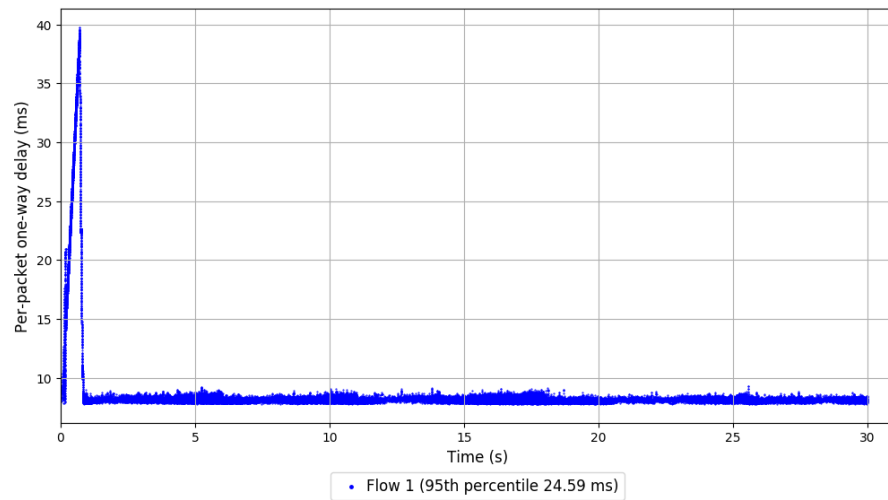
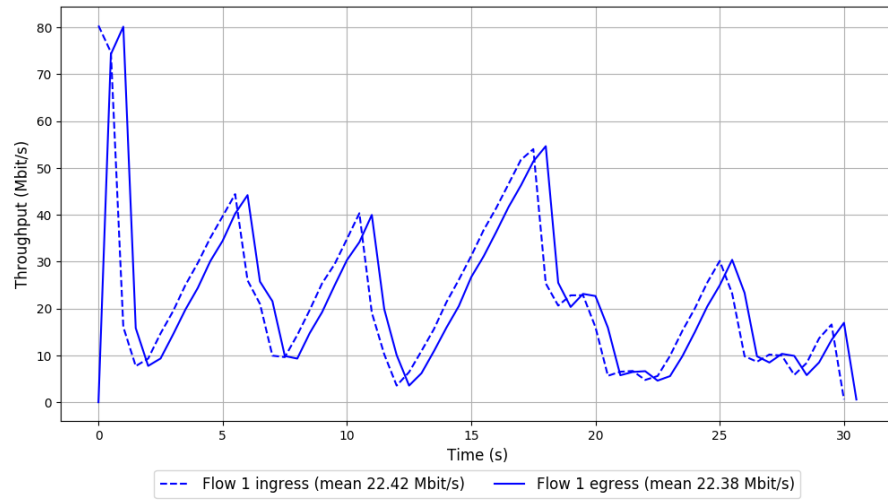


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 04:40:19
End at: 2018-06-05 04:40:49
Local clock offset: 0.327 ms
Remote clock offset: -5.541 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 24.589 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 24.589 ms
Loss rate: 0.17%

Run 2: Report of TCP Cubic — Data Link

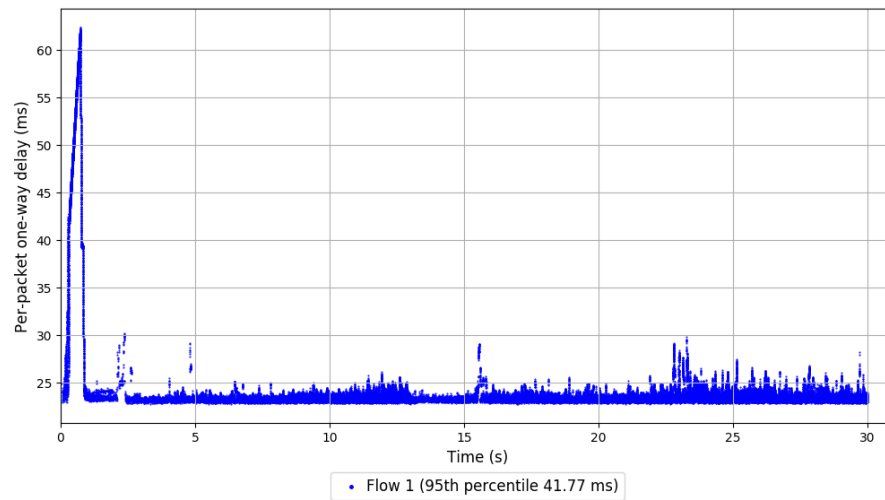
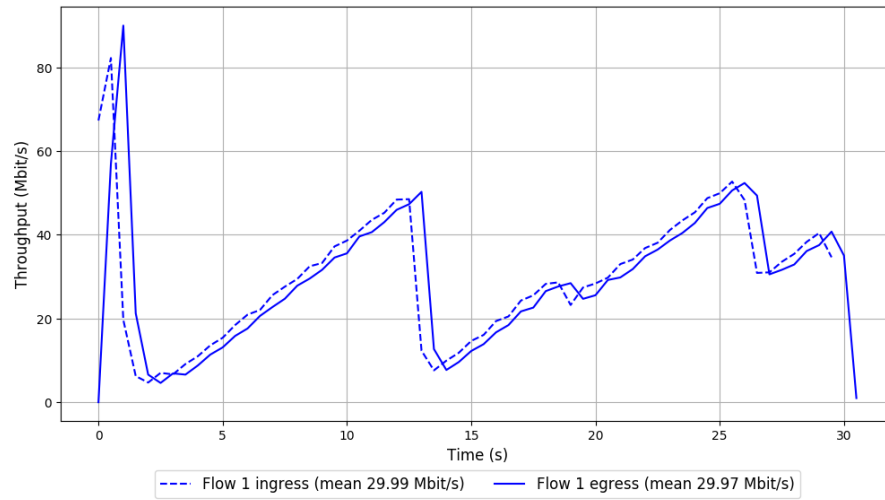


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 04:58:33
End at: 2018-06-05 04:59:03
Local clock offset: -5.087 ms
Remote clock offset: -10.348 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 41.765 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 41.765 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

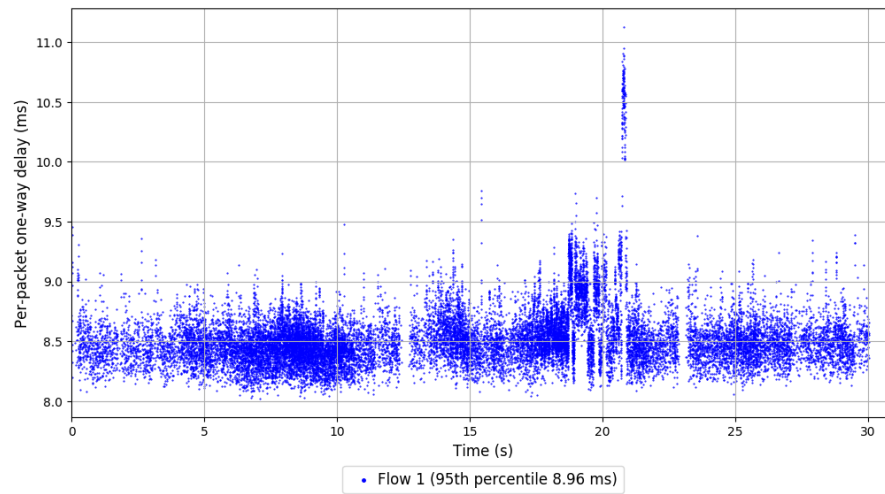
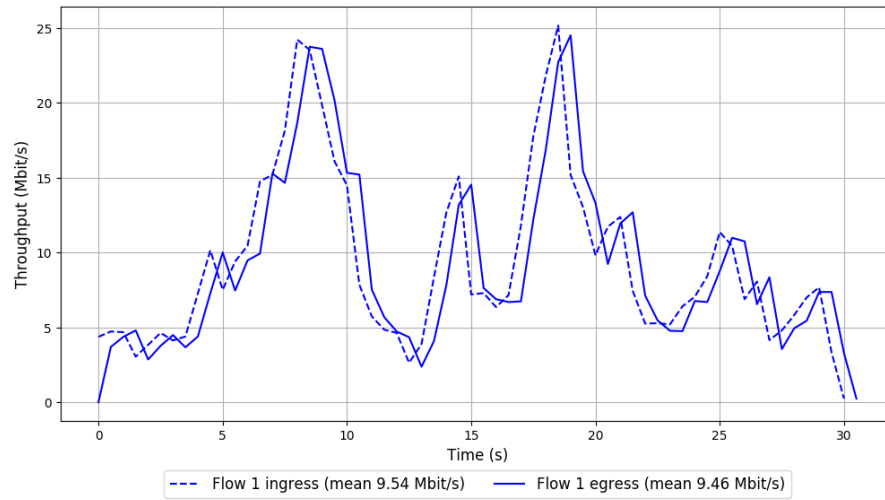


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 05:16:45
End at: 2018-06-05 05:17:15
Local clock offset: -2.785 ms
Remote clock offset: -12.871 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 8.962 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 8.962 ms
Loss rate: 0.86%

Run 4: Report of TCP Cubic — Data Link

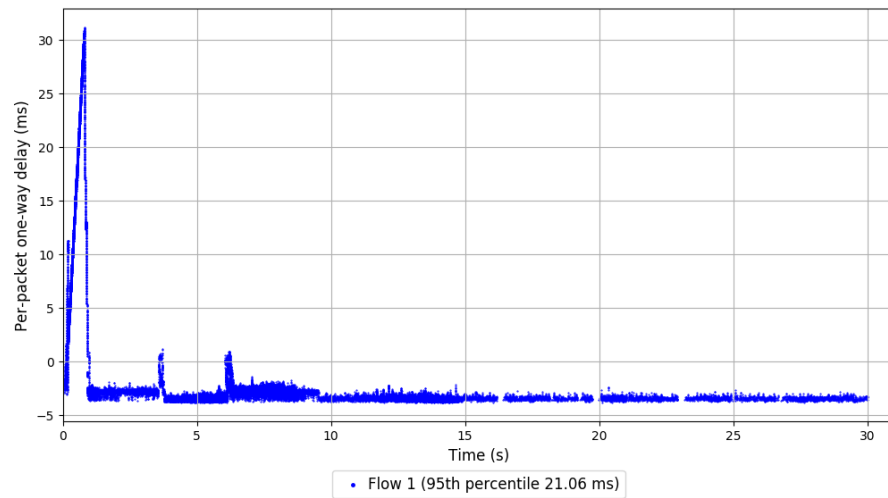
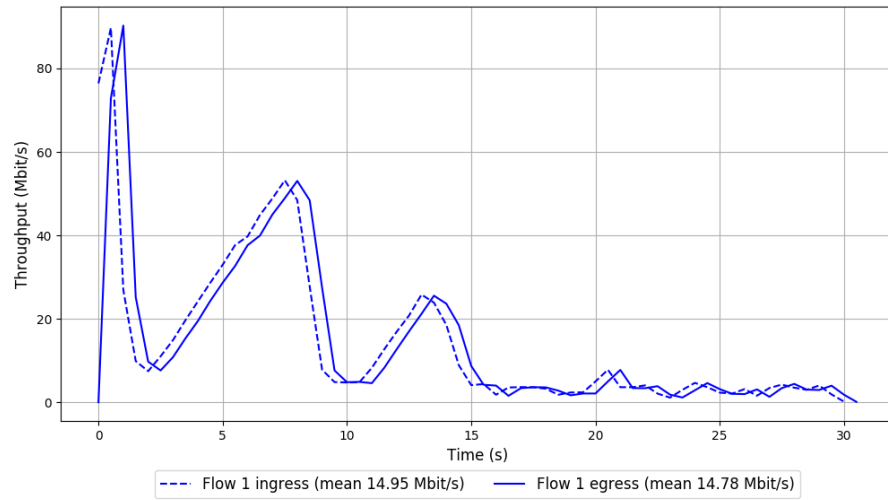


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 05:35:34
End at: 2018-06-05 05:36:04
Local clock offset: -1.974 ms
Remote clock offset: -24.078 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 21.057 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 21.057 ms
Loss rate: 1.13%

Run 5: Report of TCP Cubic — Data Link

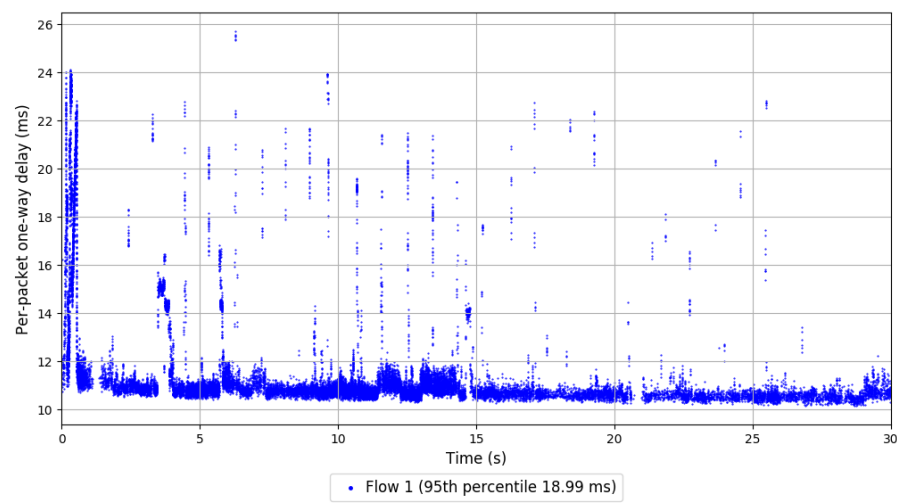
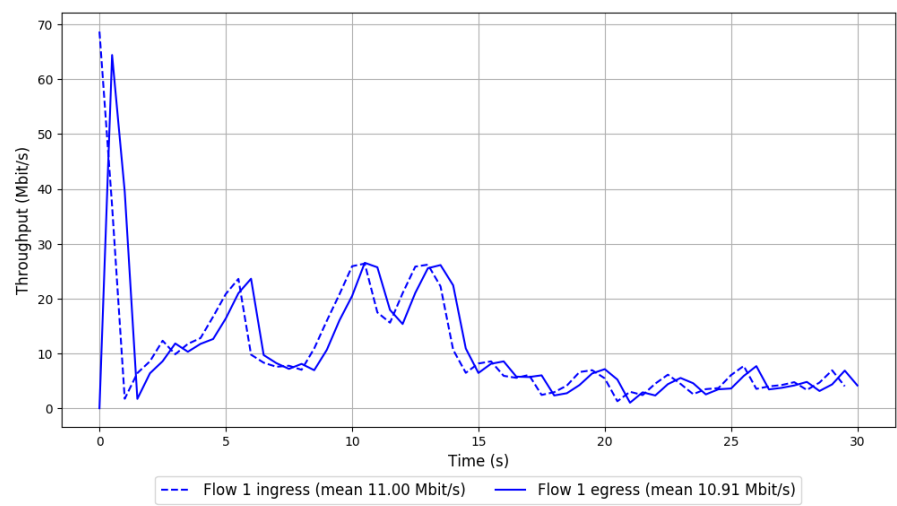


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 05:54:00
End at: 2018-06-05 05:54:30
Local clock offset: -4.545 ms
Remote clock offset: -8.525 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.81%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 06:13:05

End at: 2018-06-05 06:13:35

Local clock offset: -2.634 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-05 07:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 18.668 ms

Loss rate: 2.24%

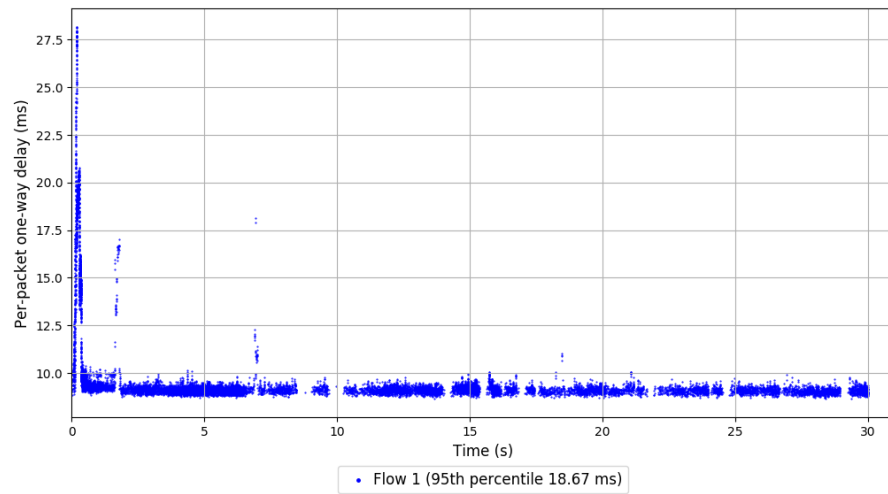
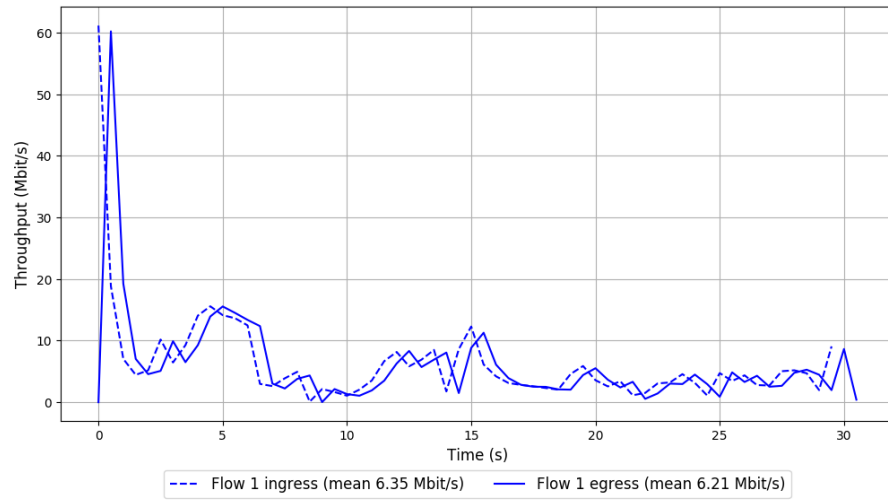
-- Flow 1:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 18.668 ms

Loss rate: 2.24%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 06:31:50

End at: 2018-06-05 06:32:20

Local clock offset: -1.4 ms

Remote clock offset: 4.897 ms

Below is generated by plot.py at 2018-06-05 07:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 12.296 ms

Loss rate: 3.60%

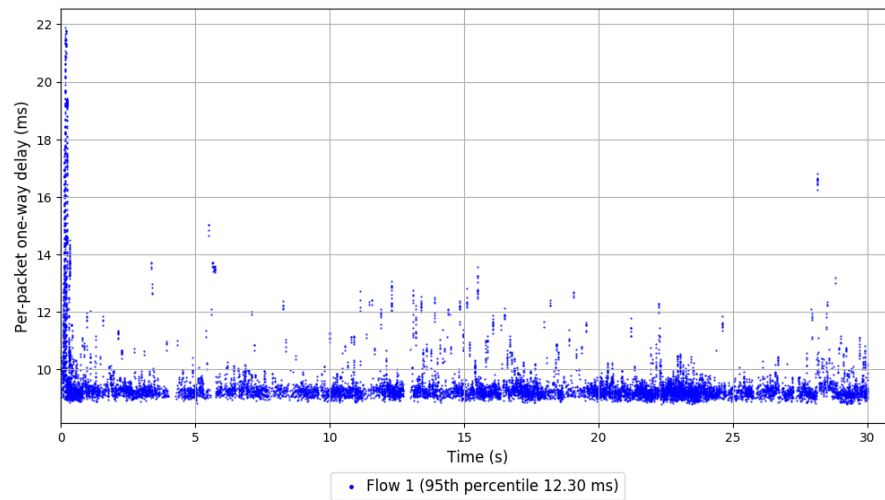
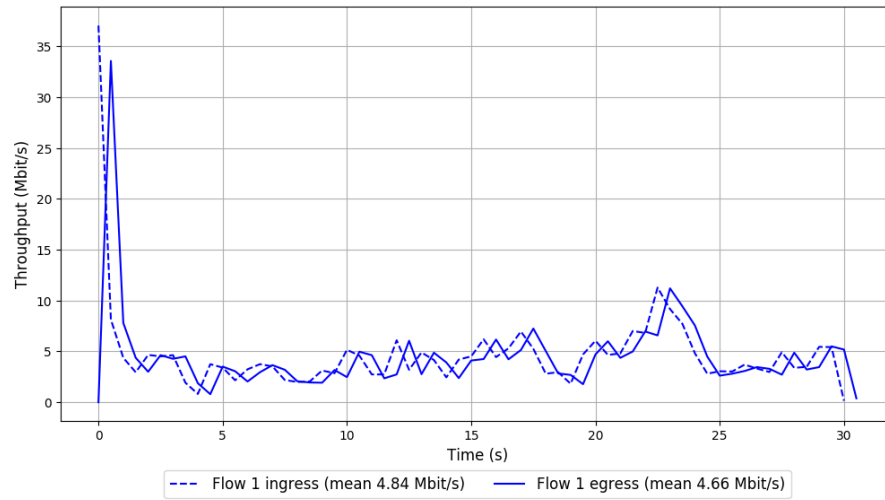
-- Flow 1:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 12.296 ms

Loss rate: 3.60%

Run 8: Report of TCP Cubic — Data Link

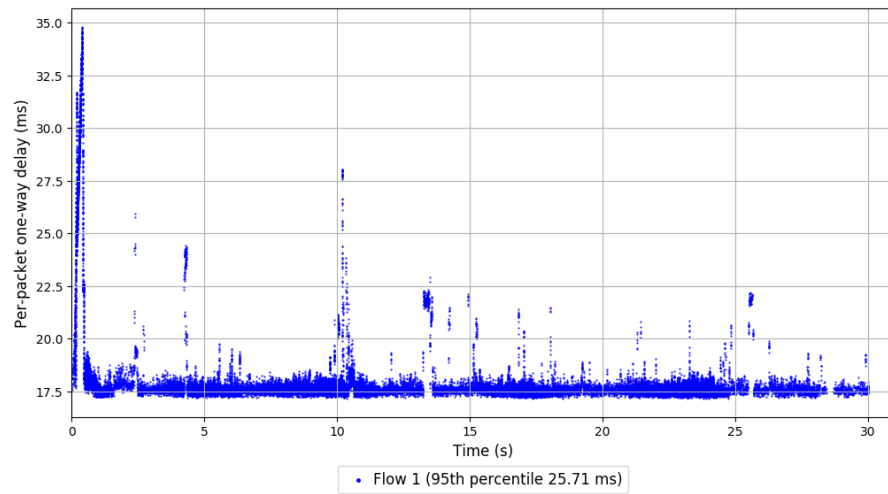
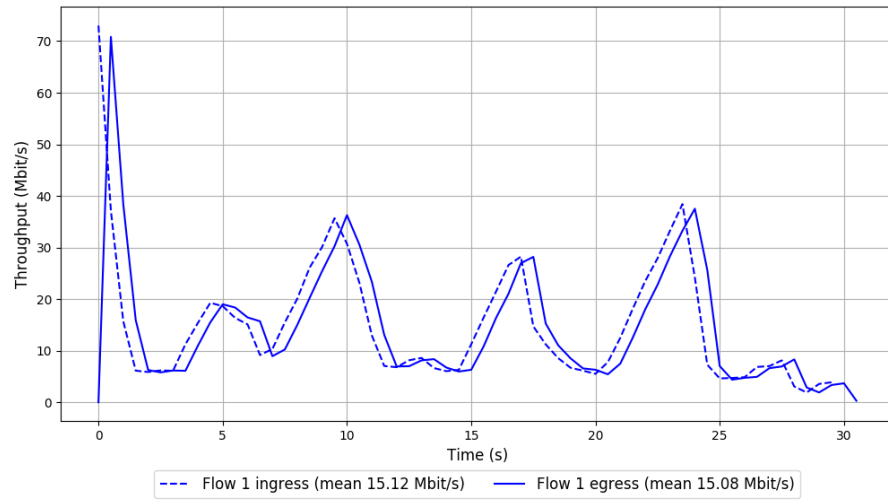


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 06:50:23
End at: 2018-06-05 06:50:53
Local clock offset: -0.112 ms
Remote clock offset: 14.774 ms

Below is generated by plot.py at 2018-06-05 07:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 25.713 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 25.713 ms
Loss rate: 0.28%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 07:08:45

End at: 2018-06-05 07:09:15

Local clock offset: 0.319 ms

Remote clock offset: 5.3 ms

Below is generated by plot.py at 2018-06-05 07:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: 32.998 ms

Loss rate: 1.06%

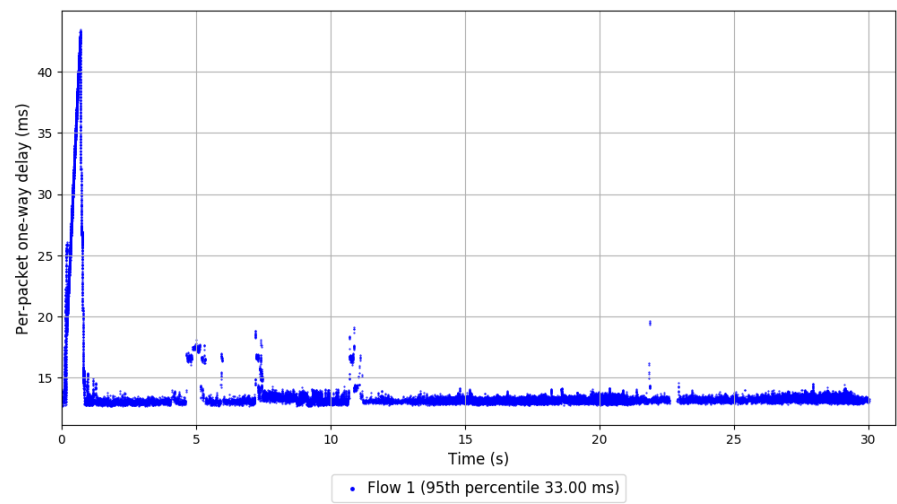
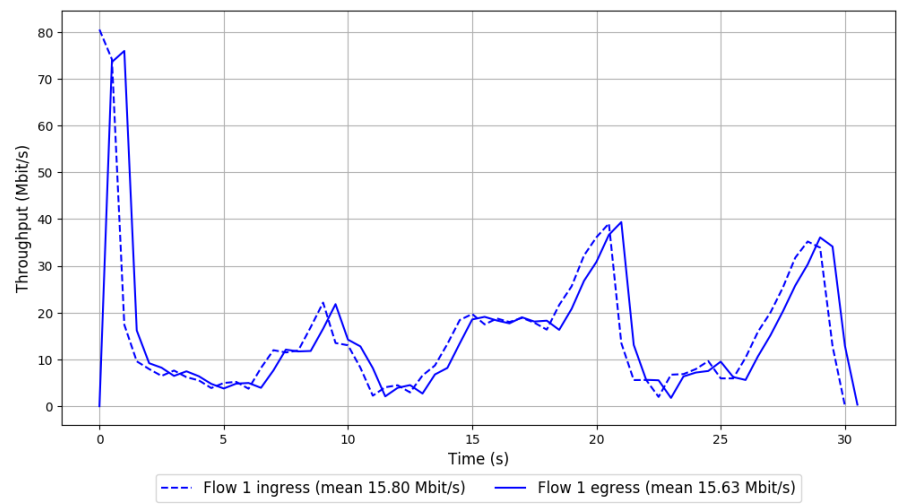
-- Flow 1:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: 32.998 ms

Loss rate: 1.06%

Run 10: Report of TCP Cubic — Data Link

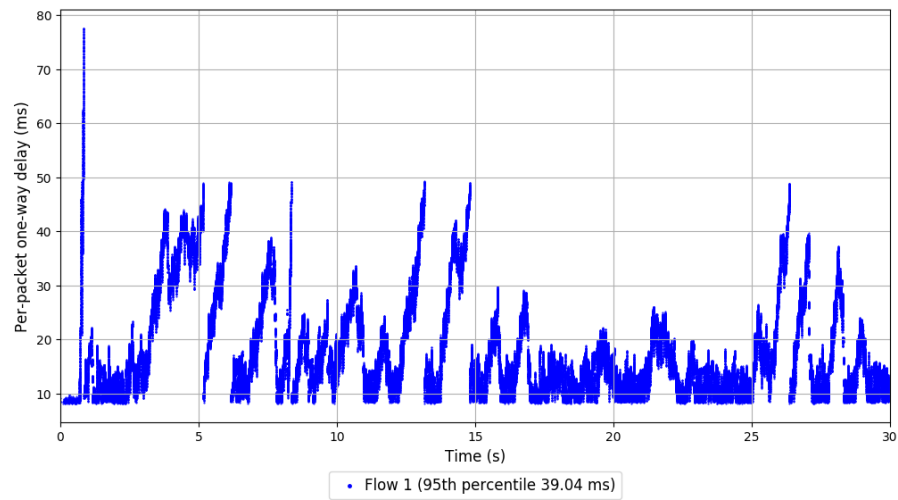
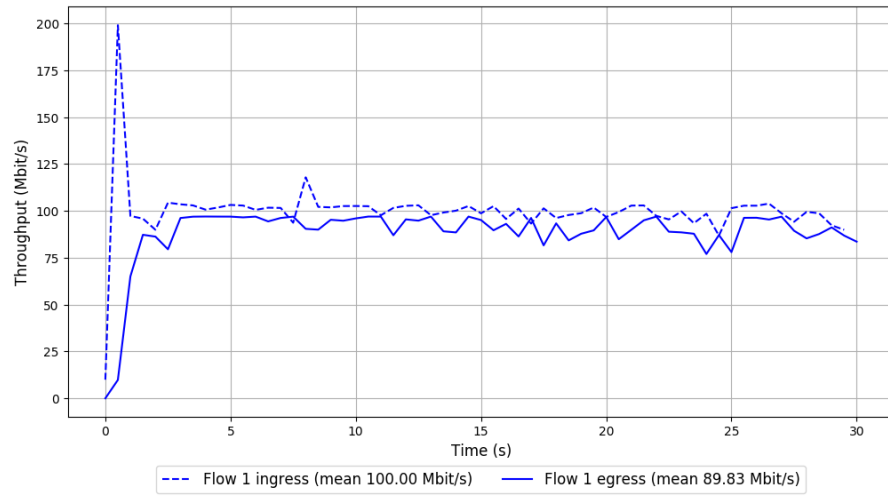


Run 1: Statistics of FillP

Start at: 2018-06-05 04:28:40
End at: 2018-06-05 04:29:10
Local clock offset: 1.739 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-06-05 07:30:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 39.044 ms
Loss rate: 10.17%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 39.044 ms
Loss rate: 10.17%

Run 1: Report of FillP — Data Link

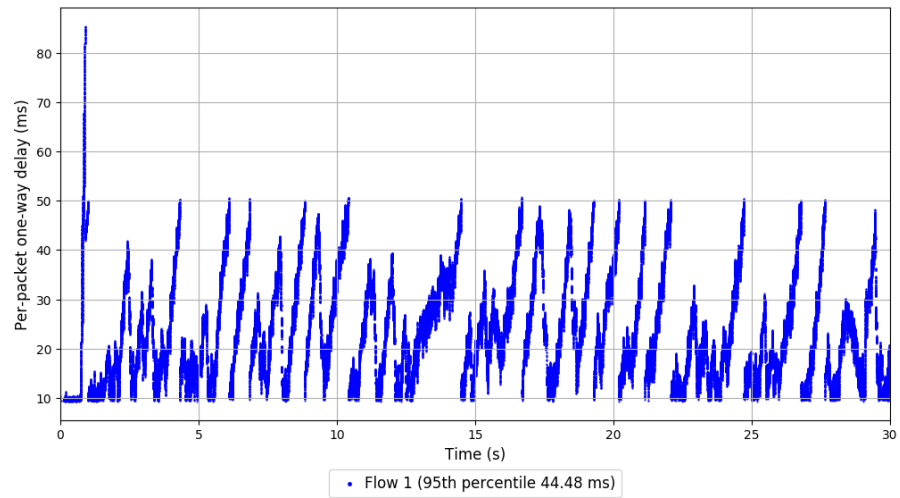
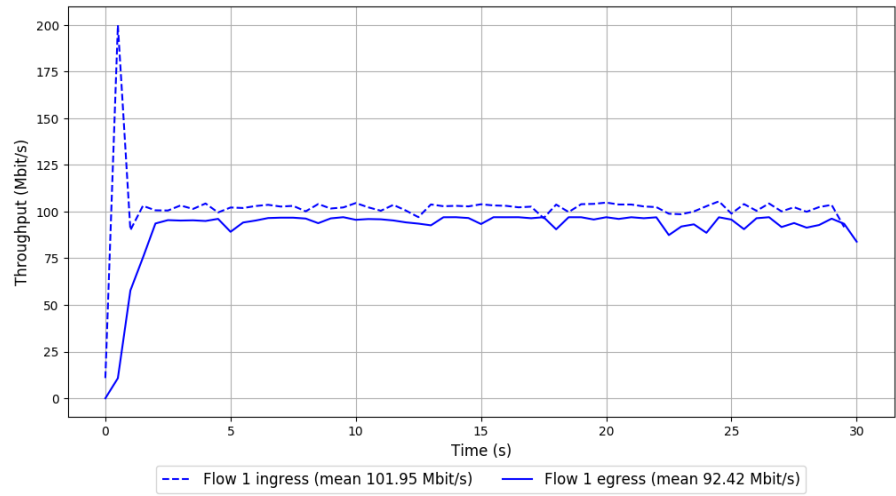


Run 2: Statistics of FillP

Start at: 2018-06-05 04:47:00
End at: 2018-06-05 04:47:30
Local clock offset: -2.922 ms
Remote clock offset: -7.732 ms

Below is generated by plot.py at 2018-06-05 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 44.484 ms
Loss rate: 9.34%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 44.484 ms
Loss rate: 9.34%

Run 2: Report of FillP — Data Link

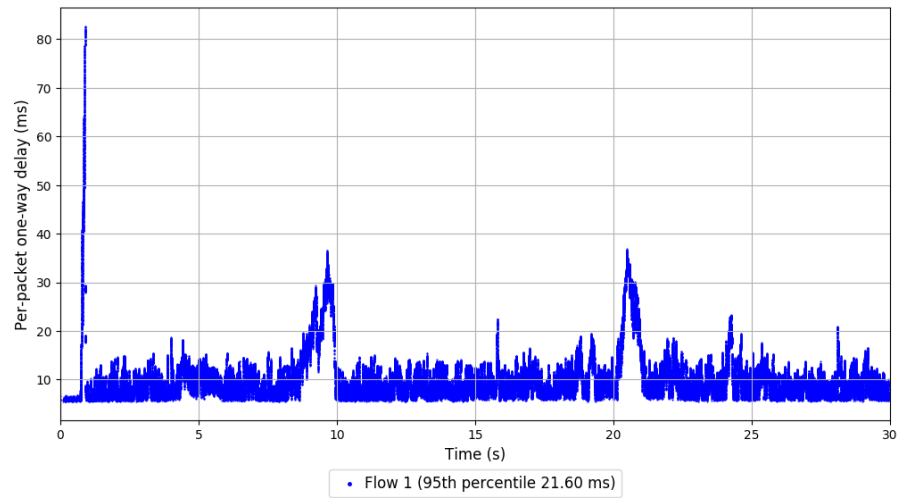
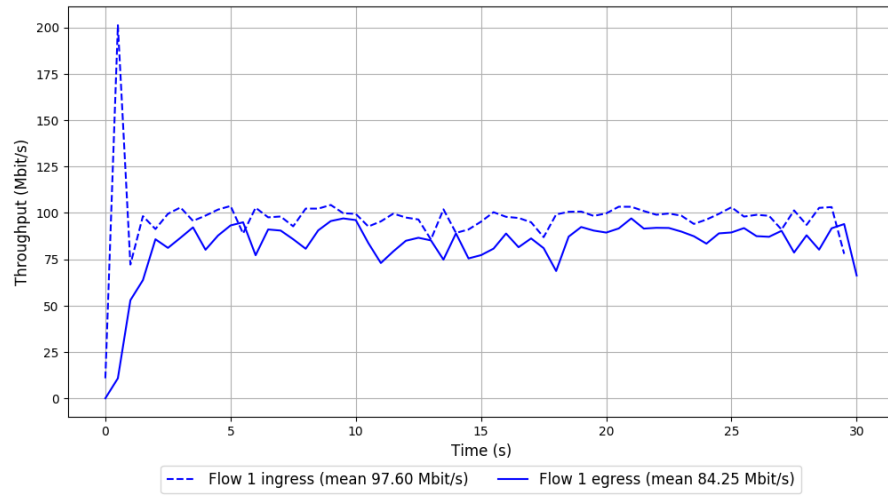


Run 3: Statistics of FillP

Start at: 2018-06-05 05:05:17
End at: 2018-06-05 05:05:47
Local clock offset: -0.288 ms
Remote clock offset: -11.449 ms

Below is generated by plot.py at 2018-06-05 07:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 21.597 ms
Loss rate: 13.68%
-- Flow 1:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 21.597 ms
Loss rate: 13.68%

Run 3: Report of FillP — Data Link

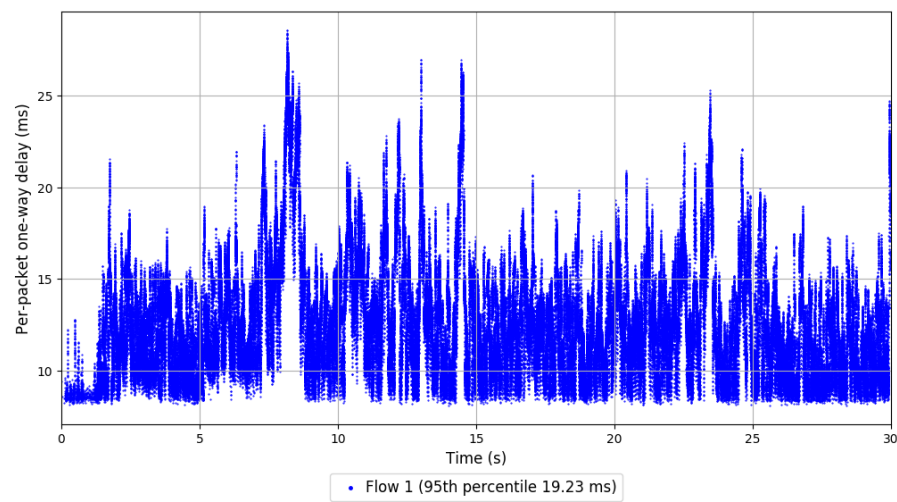
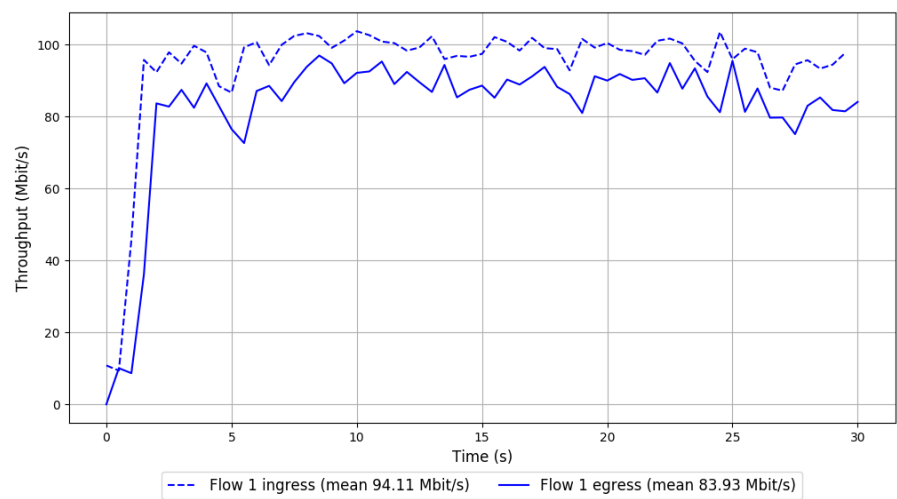


Run 4: Statistics of FillP

Start at: 2018-06-05 05:23:42
End at: 2018-06-05 05:24:12
Local clock offset: -1.817 ms
Remote clock offset: -10.161 ms

Below is generated by plot.py at 2018-06-05 07:30:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 10.80%
-- Flow 1:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 10.80%

Run 4: Report of FillP — Data Link

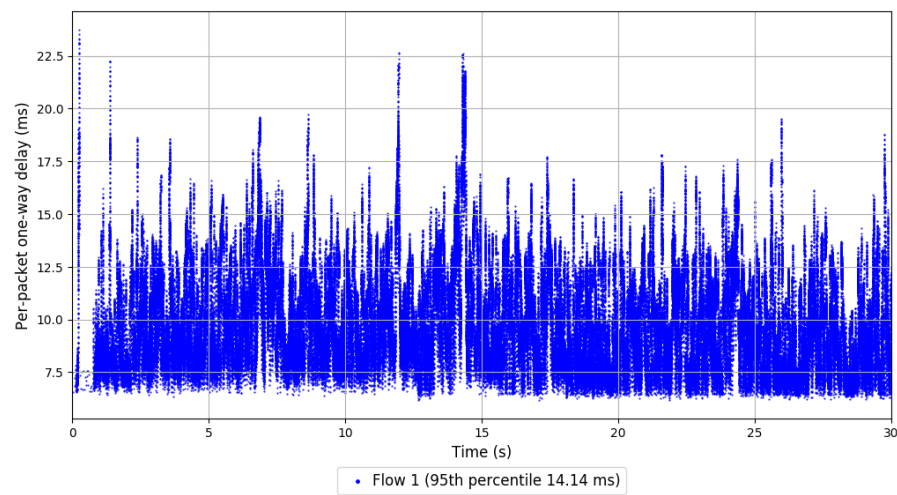
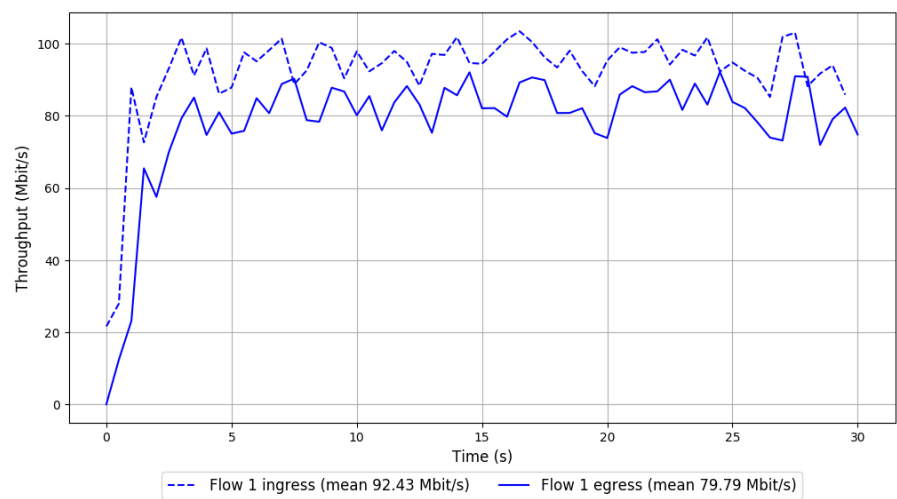


Run 5: Statistics of FillP

Start at: 2018-06-05 05:42:28
End at: 2018-06-05 05:42:59
Local clock offset: 0.08 ms
Remote clock offset: -9.762 ms

Below is generated by plot.py at 2018-06-05 07:30:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 14.138 ms
Loss rate: 13.66%
-- Flow 1:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 14.138 ms
Loss rate: 13.66%

Run 5: Report of FillP — Data Link

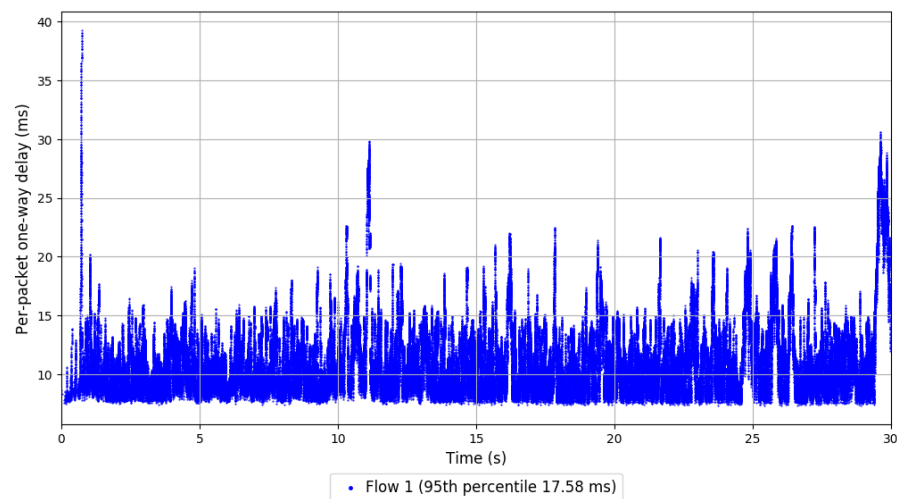
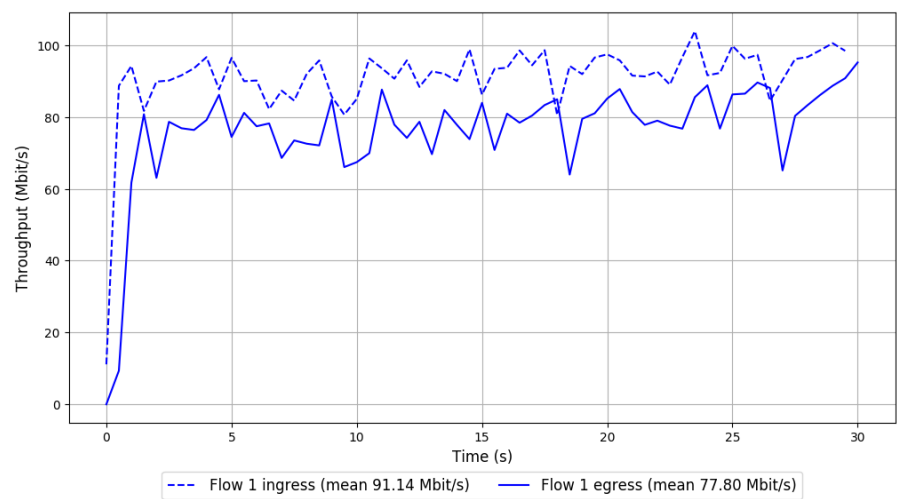


Run 6: Statistics of FillP

Start at: 2018-06-05 06:00:51
End at: 2018-06-05 06:01:21
Local clock offset: -2.892 ms
Remote clock offset: -5.213 ms

Below is generated by plot.py at 2018-06-05 07:30:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 17.579 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 17.579 ms
Loss rate: 14.62%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-05 06:19:53

End at: 2018-06-05 06:20:23

Local clock offset: -2.43 ms

Remote clock offset: 3.25 ms

Below is generated by plot.py at 2018-06-05 07:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 18.805 ms

Loss rate: 14.42%

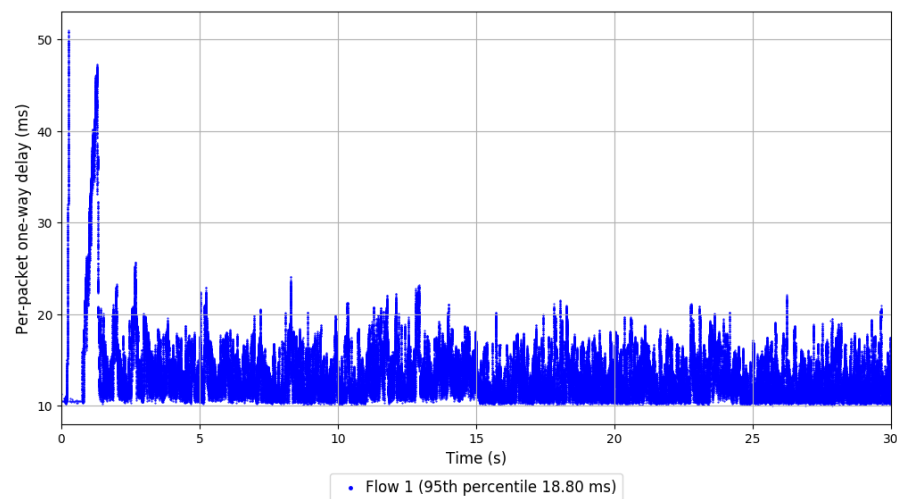
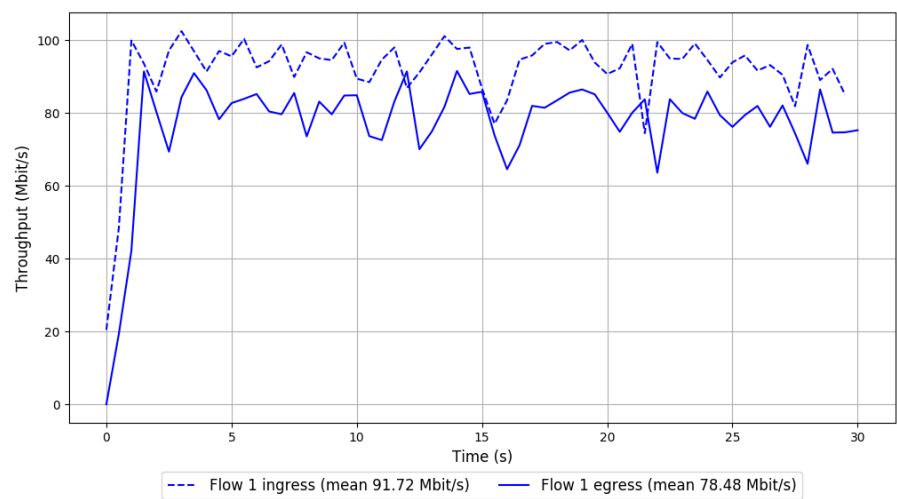
-- Flow 1:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 18.805 ms

Loss rate: 14.42%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-05 06:38:41

End at: 2018-06-05 06:39:11

Local clock offset: 0.325 ms

Remote clock offset: 4.783 ms

Below is generated by plot.py at 2018-06-05 07:31:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 37.250 ms

Loss rate: 10.35%

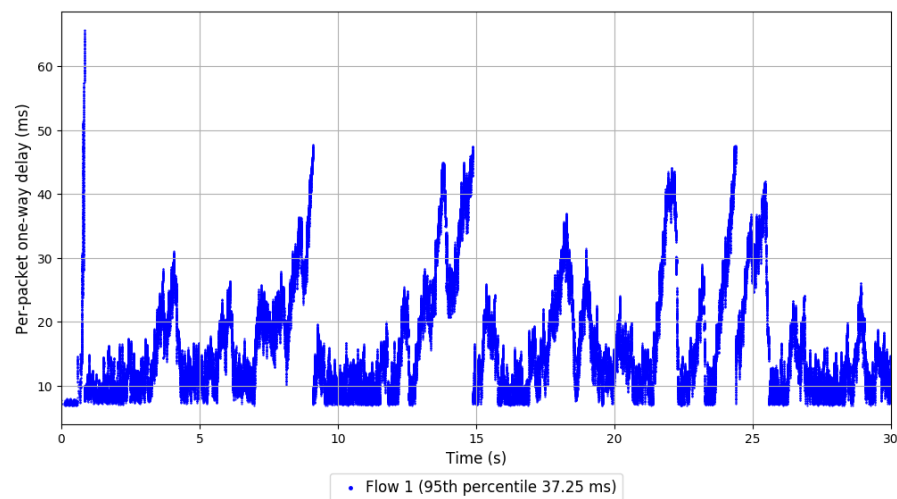
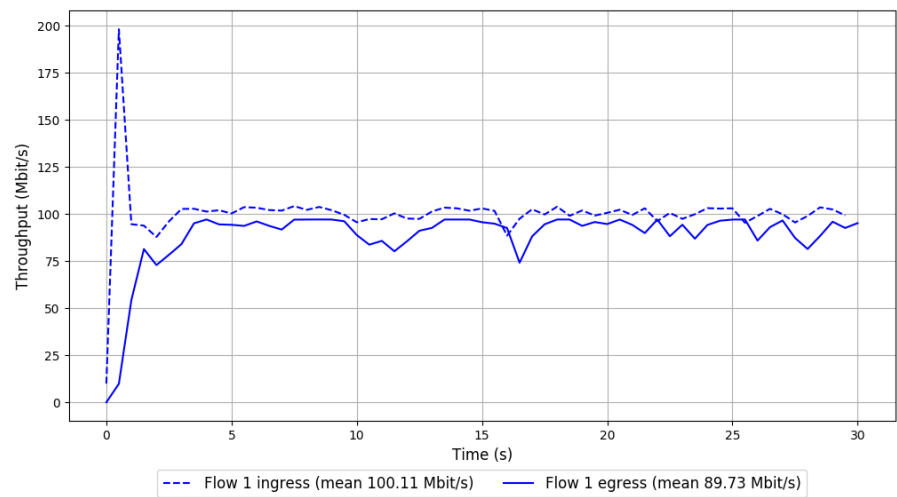
-- Flow 1:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 37.250 ms

Loss rate: 10.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 06:57:12

End at: 2018-06-05 06:57:42

Local clock offset: 1.663 ms

Remote clock offset: 8.654 ms

Below is generated by plot.py at 2018-06-05 07:31:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 26.532 ms

Loss rate: 9.34%

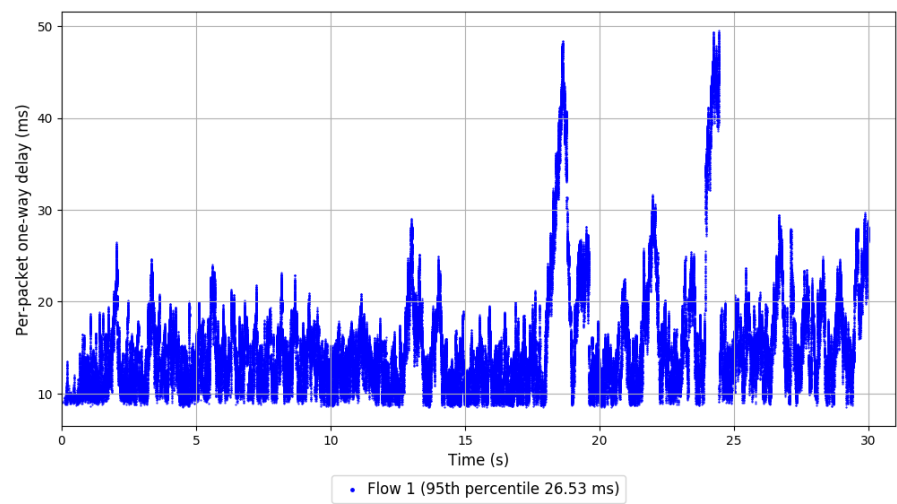
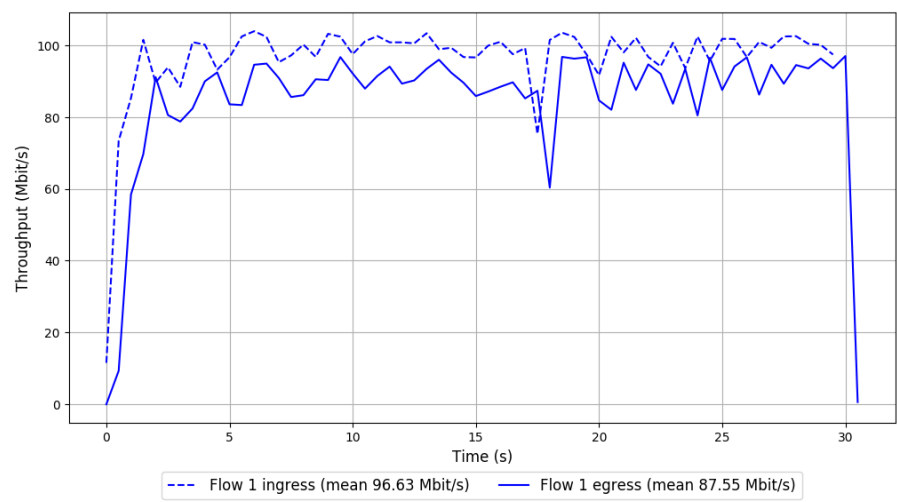
-- Flow 1:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 26.532 ms

Loss rate: 9.34%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 07:15:30

End at: 2018-06-05 07:16:00

Local clock offset: 2.903 ms

Remote clock offset: 2.738 ms

Below is generated by plot.py at 2018-06-05 07:31:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 28.024 ms

Loss rate: 12.50%

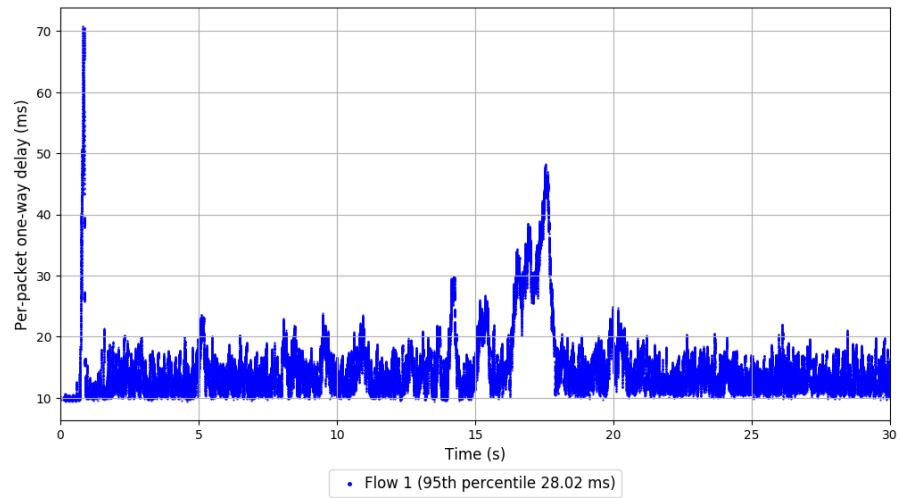
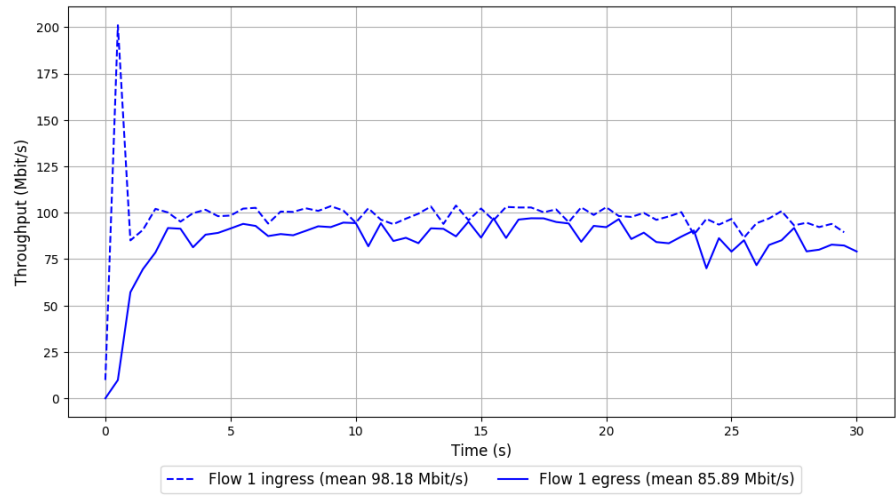
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 28.024 ms

Loss rate: 12.50%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-05 04:19:14

End at: 2018-06-05 04:19:44

Local clock offset: -2.396 ms

Remote clock offset: -3.152 ms

Below is generated by plot.py at 2018-06-05 07:31:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 16.361 ms

Loss rate: 6.92%

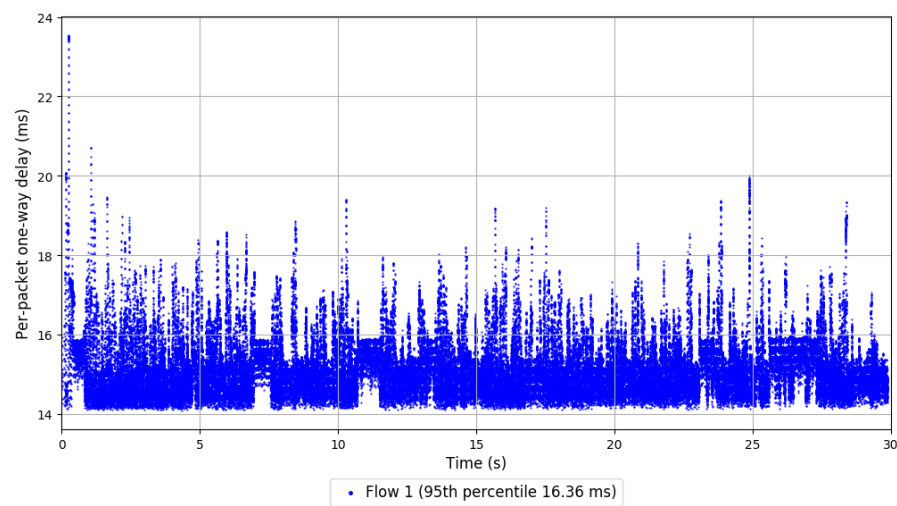
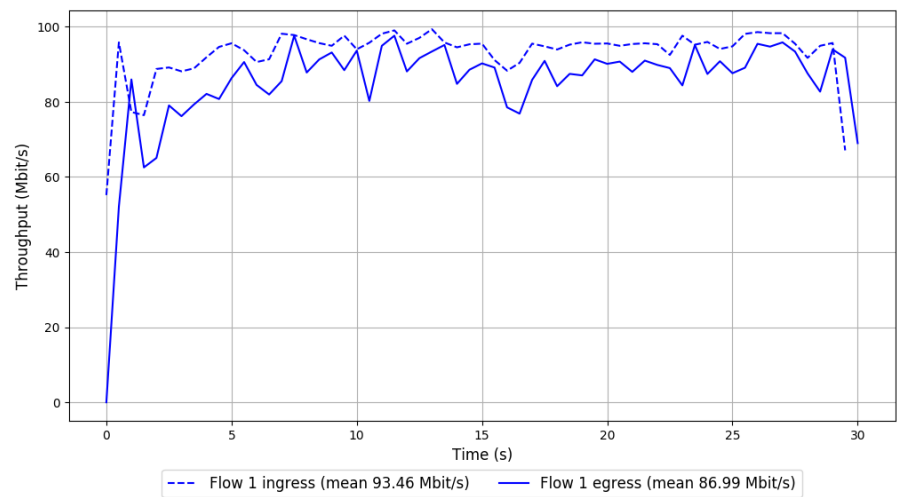
-- Flow 1:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 16.361 ms

Loss rate: 6.92%

Run 1: Report of Indigo — Data Link

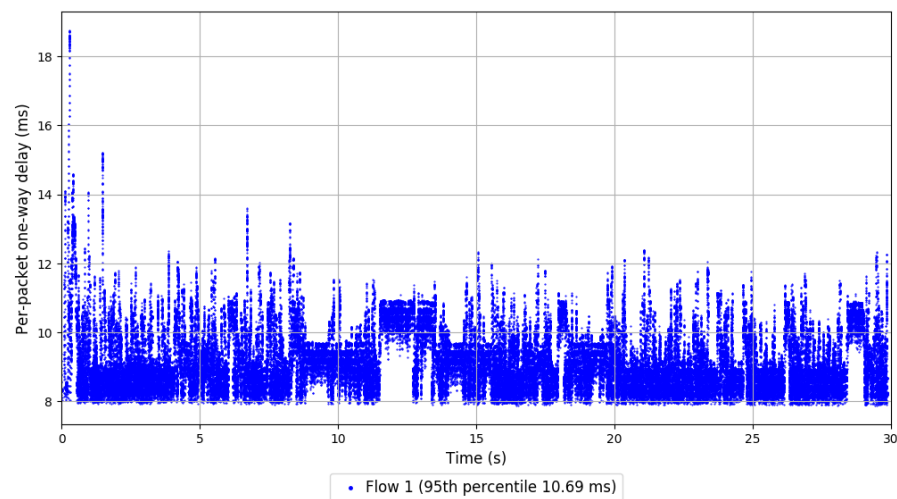
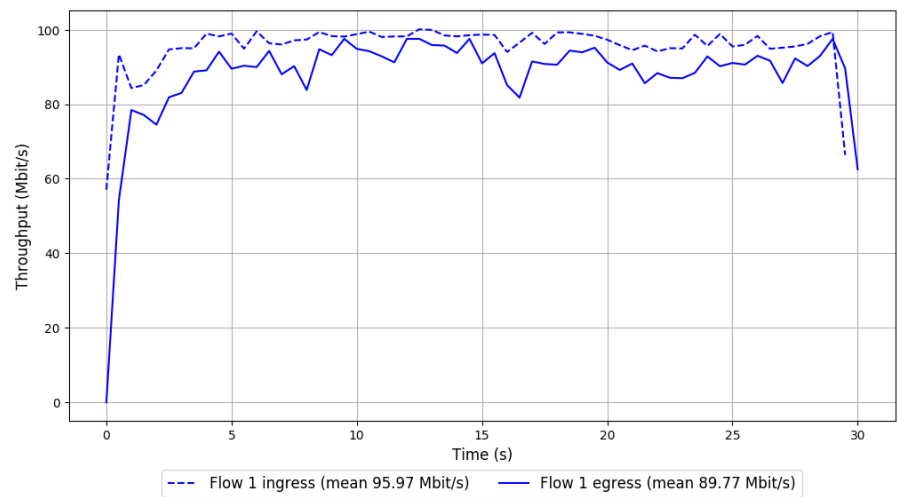


Run 2: Statistics of Indigo

Start at: 2018-06-05 04:37:55
End at: 2018-06-05 04:38:25
Local clock offset: -1.011 ms
Remote clock offset: -7.045 ms

Below is generated by plot.py at 2018-06-05 07:31:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 10.690 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 10.690 ms
Loss rate: 6.46%

Run 2: Report of Indigo — Data Link

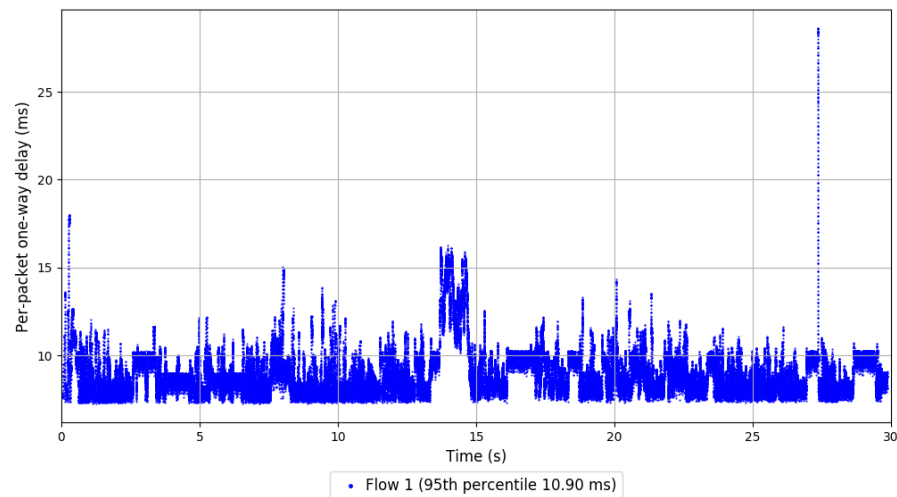
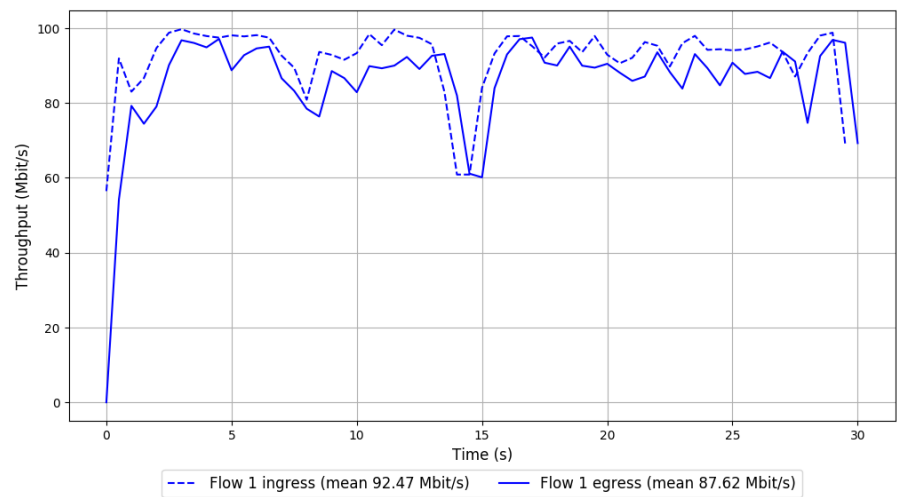


Run 3: Statistics of Indigo

Start at: 2018-06-05 04:56:05
End at: 2018-06-05 04:56:35
Local clock offset: -1.957 ms
Remote clock offset: -10.583 ms

Below is generated by plot.py at 2018-06-05 07:31:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 10.897 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 10.897 ms
Loss rate: 5.24%

Run 3: Report of Indigo — Data Link

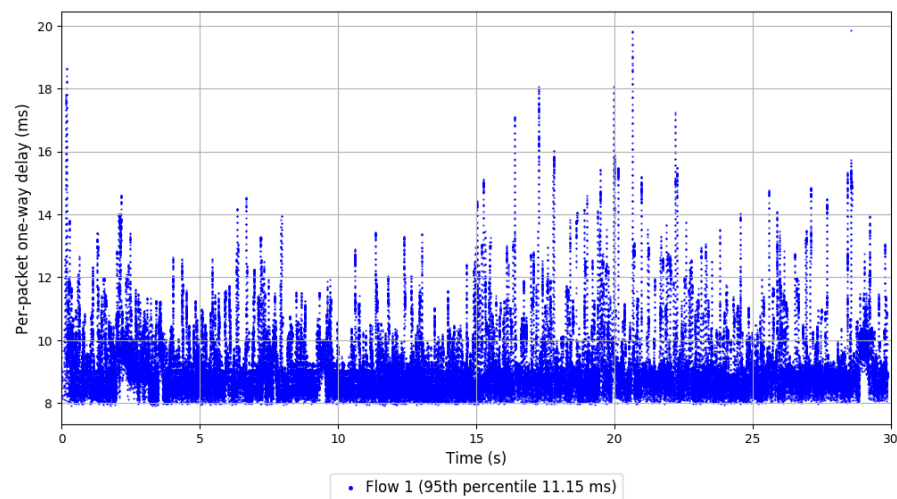
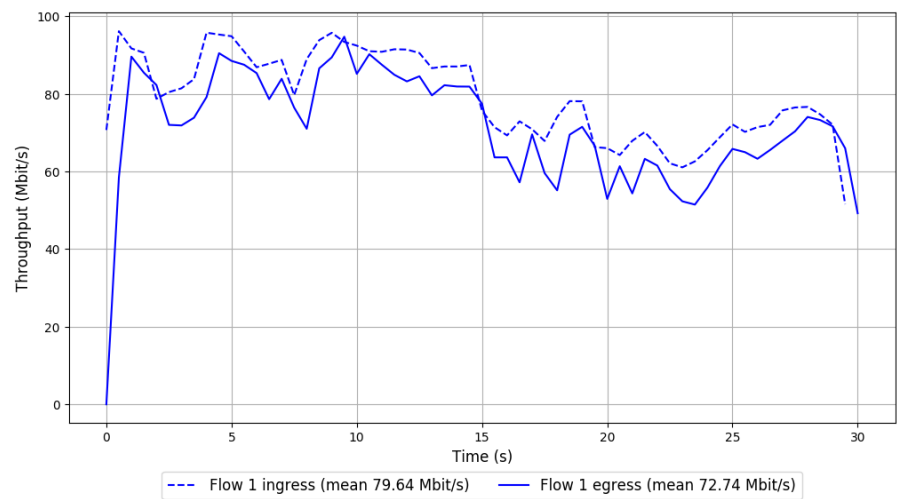


Run 4: Statistics of Indigo

Start at: 2018-06-05 05:14:25
End at: 2018-06-05 05:14:55
Local clock offset: -1.826 ms
Remote clock offset: -11.778 ms

Below is generated by plot.py at 2018-06-05 07:31:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 11.147 ms
Loss rate: 8.66%
-- Flow 1:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 11.147 ms
Loss rate: 8.66%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-05 05:33:11

End at: 2018-06-05 05:33:41

Local clock offset: -3.27 ms

Remote clock offset: -28.513 ms

Below is generated by plot.py at 2018-06-05 07:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.26 Mbit/s

95th percentile per-packet one-way delay: -5.986 ms

Loss rate: 10.51%

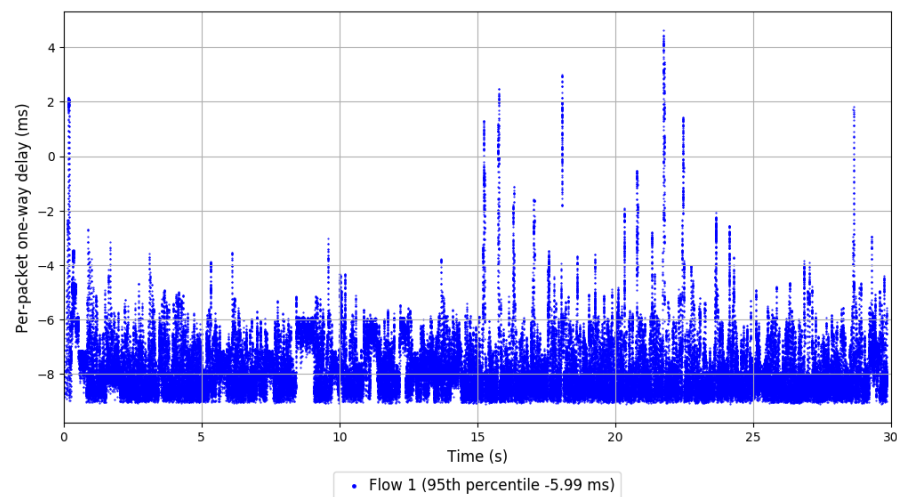
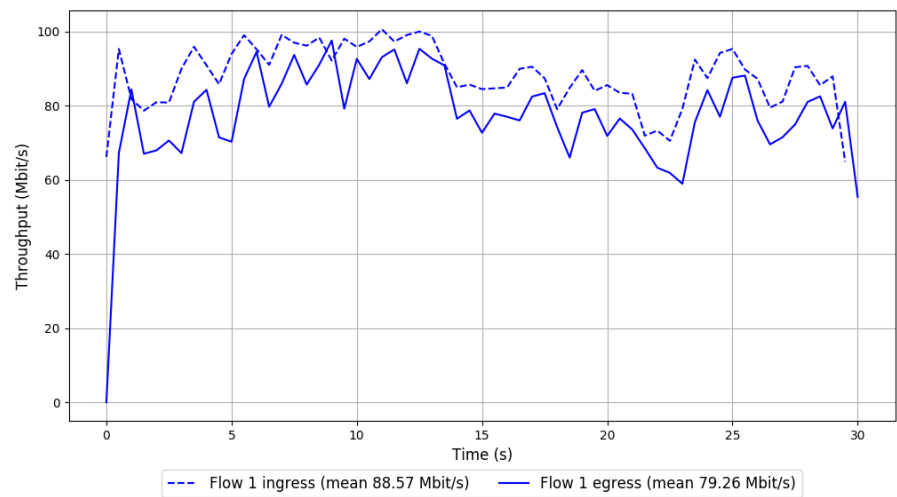
-- Flow 1:

Average throughput: 79.26 Mbit/s

95th percentile per-packet one-way delay: -5.986 ms

Loss rate: 10.51%

Run 5: Report of Indigo — Data Link

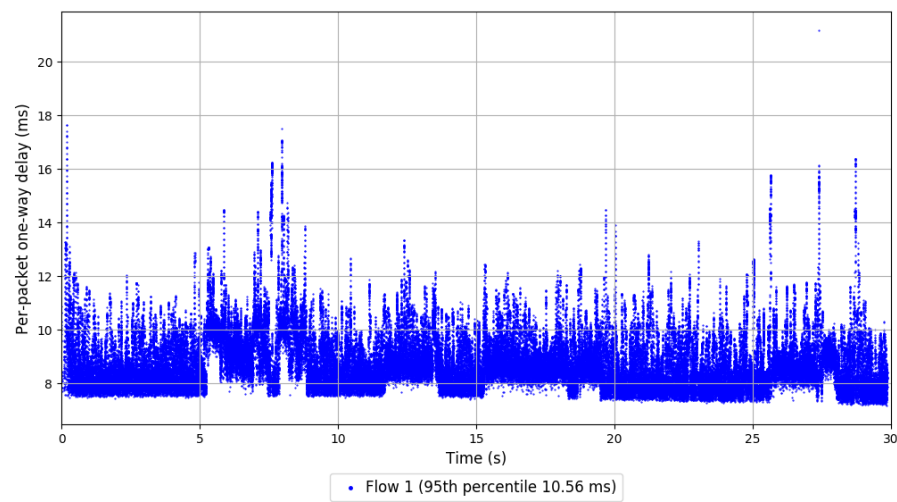
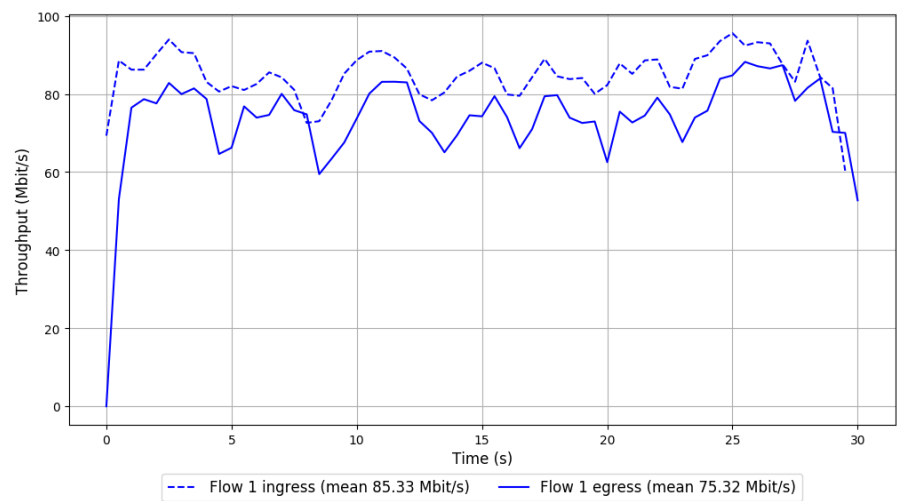


Run 6: Statistics of Indigo

Start at: 2018-06-05 05:51:38
End at: 2018-06-05 05:52:08
Local clock offset: -1.968 ms
Remote clock offset: -10.879 ms

Below is generated by plot.py at 2018-06-05 07:32:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 10.558 ms
Loss rate: 11.73%
-- Flow 1:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 10.558 ms
Loss rate: 11.73%

Run 6: Report of Indigo — Data Link

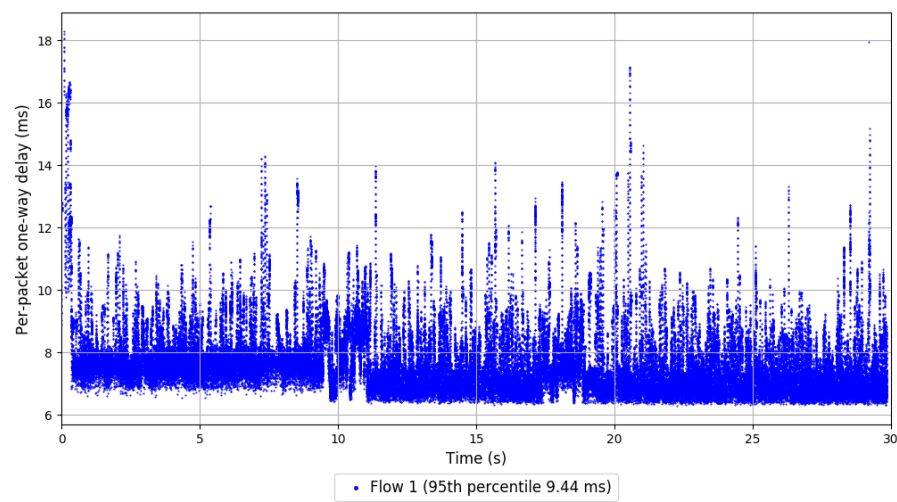
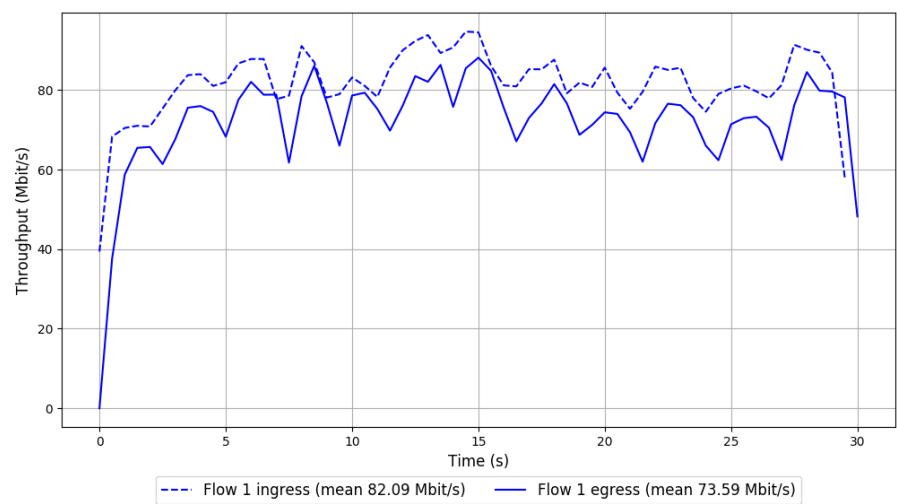


Run 7: Statistics of Indigo

Start at: 2018-06-05 06:10:38
End at: 2018-06-05 06:11:08
Local clock offset: -1.135 ms
Remote clock offset: -1.403 ms

Below is generated by plot.py at 2018-06-05 07:32:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 9.435 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 9.435 ms
Loss rate: 10.35%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-05 06:29:15

End at: 2018-06-05 06:29:45

Local clock offset: -3.382 ms

Remote clock offset: 2.475 ms

Below is generated by plot.py at 2018-06-05 07:32:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.51 Mbit/s

95th percentile per-packet one-way delay: 11.883 ms

Loss rate: 10.34%

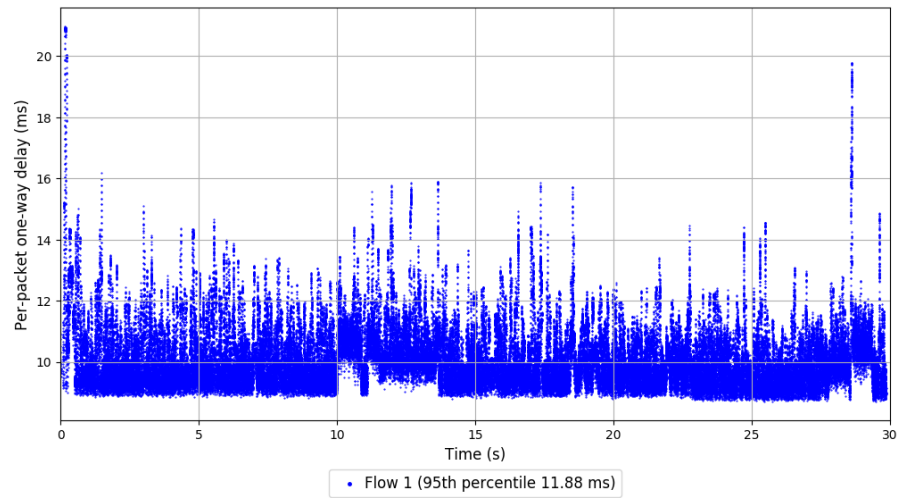
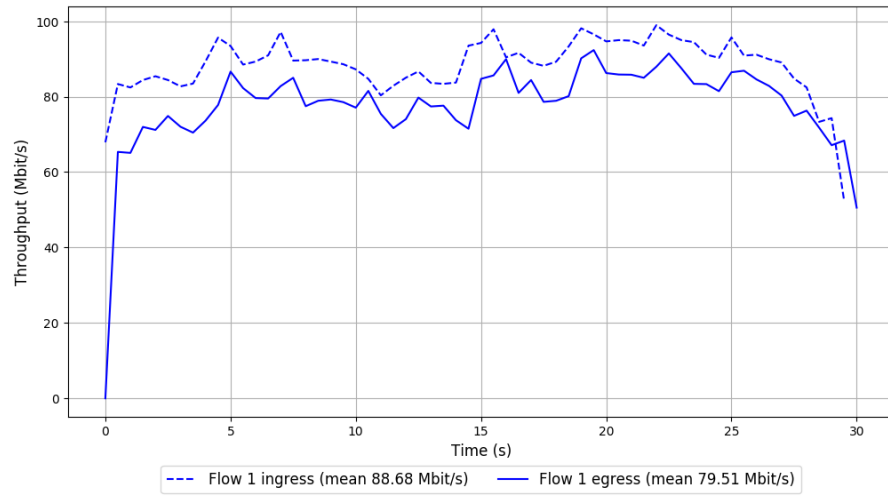
-- Flow 1:

Average throughput: 79.51 Mbit/s

95th percentile per-packet one-way delay: 11.883 ms

Loss rate: 10.34%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 06:47:56

End at: 2018-06-05 06:48:26

Local clock offset: 2.69 ms

Remote clock offset: 8.142 ms

Below is generated by plot.py at 2018-06-05 07:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.16 Mbit/s

95th percentile per-packet one-way delay: 10.622 ms

Loss rate: 11.28%

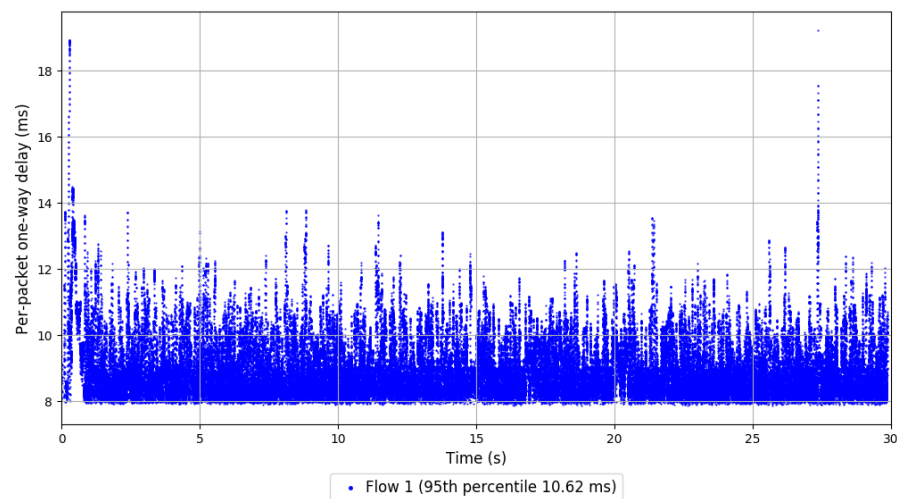
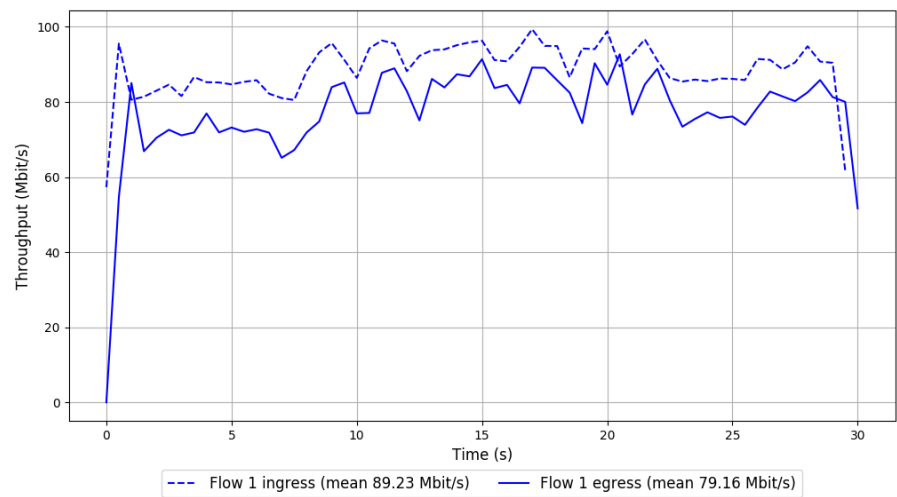
-- Flow 1:

Average throughput: 79.16 Mbit/s

95th percentile per-packet one-way delay: 10.622 ms

Loss rate: 11.28%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 07:06:22

End at: 2018-06-05 07:06:52

Local clock offset: 0.494 ms

Remote clock offset: 4.194 ms

Below is generated by plot.py at 2018-06-05 07:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 13.100 ms

Loss rate: 7.41%

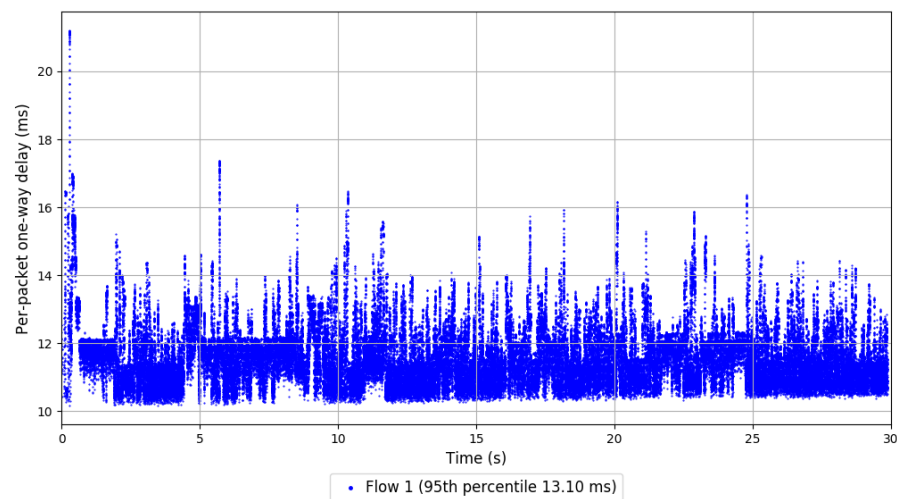
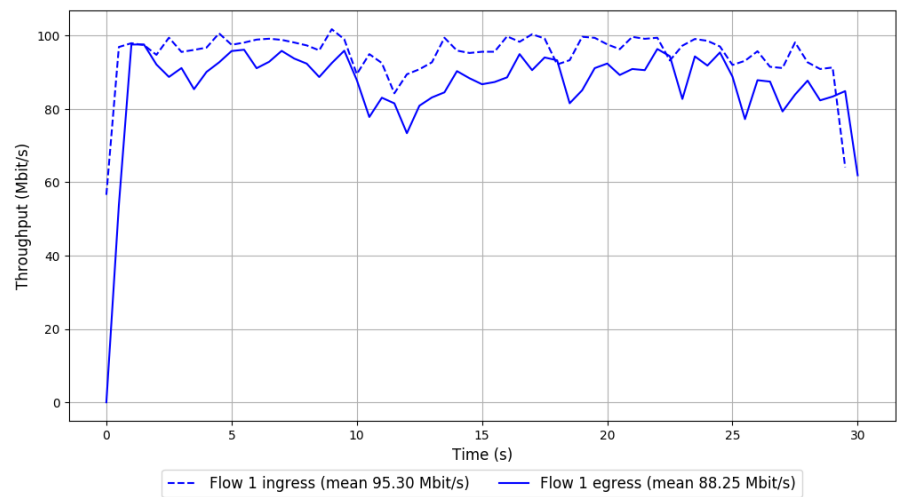
-- Flow 1:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 13.100 ms

Loss rate: 7.41%

Run 10: Report of Indigo — Data Link

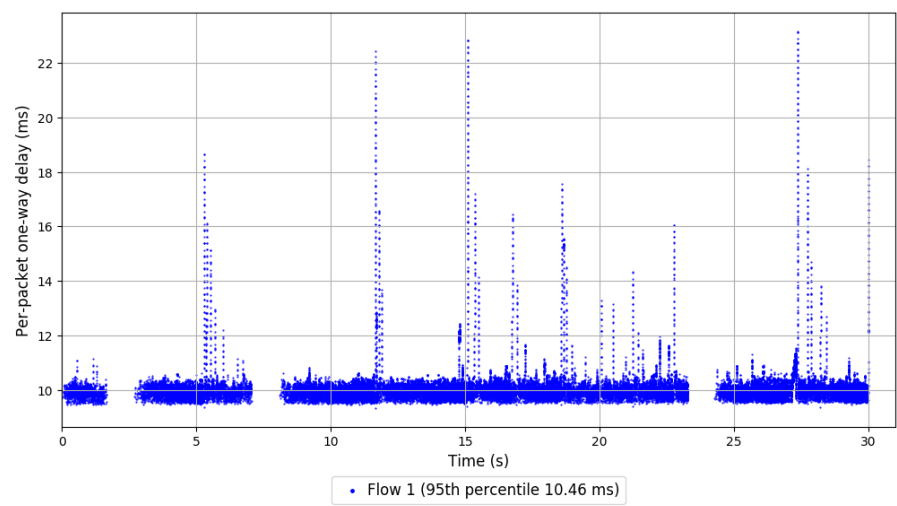
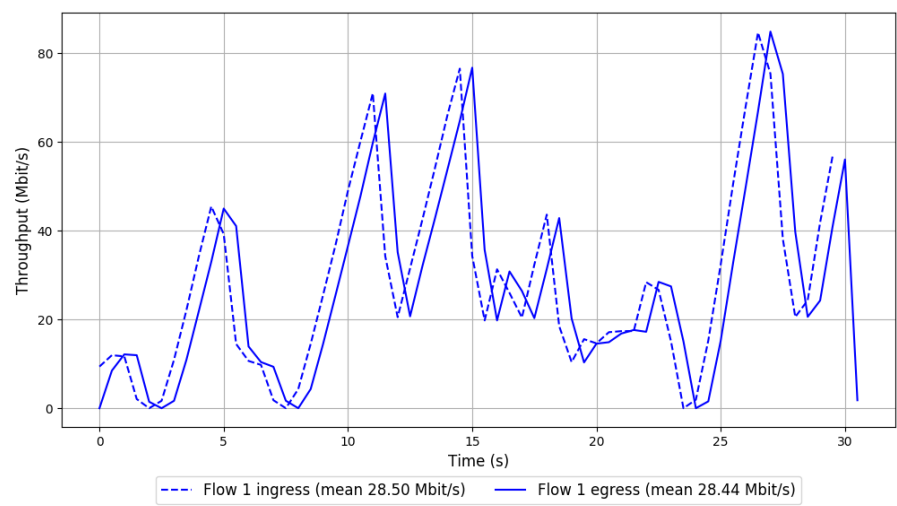


Run 1: Statistics of LEDBAT

Start at: 2018-06-05 04:30:59
End at: 2018-06-05 04:31:29
Local clock offset: 0.974 ms
Remote clock offset: -4.116 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 10.465 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 10.465 ms
Loss rate: 0.19%

Run 1: Report of LEDBAT — Data Link

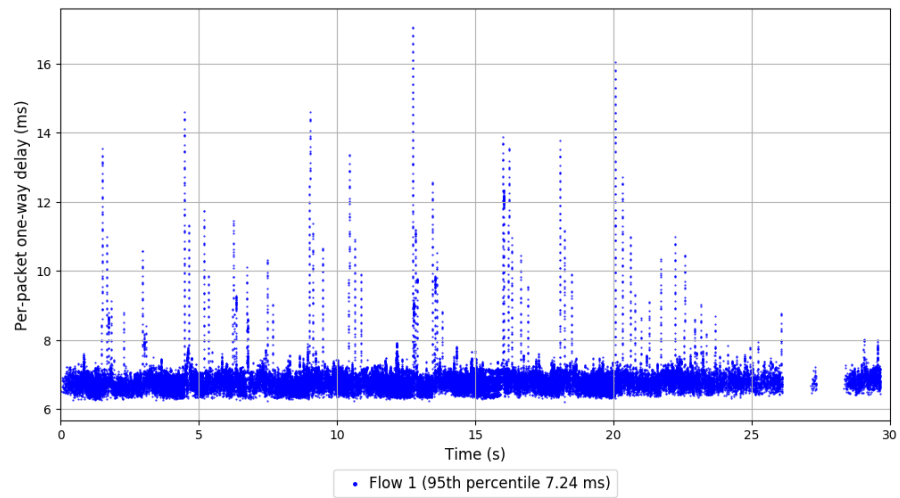
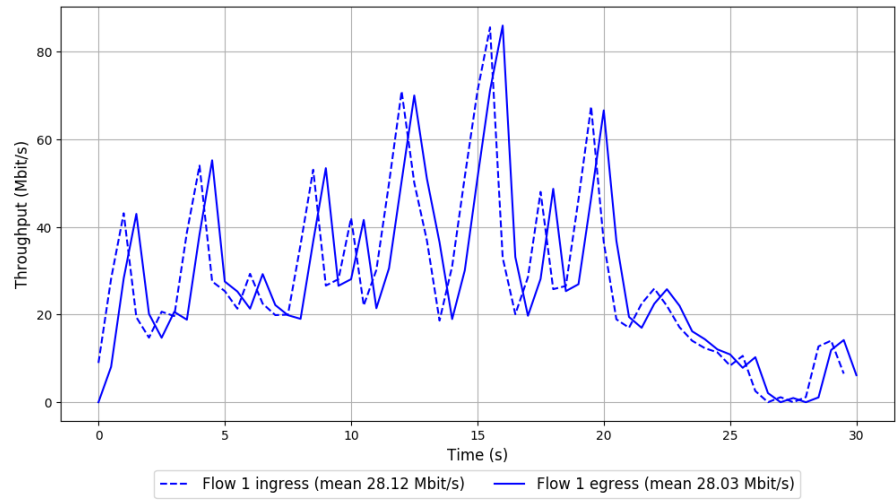


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 04:49:15
End at: 2018-06-05 04:49:45
Local clock offset: 0.368 ms
Remote clock offset: -8.172 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 7.236 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 7.236 ms
Loss rate: 0.33%

Run 2: Report of LEDBAT — Data Link

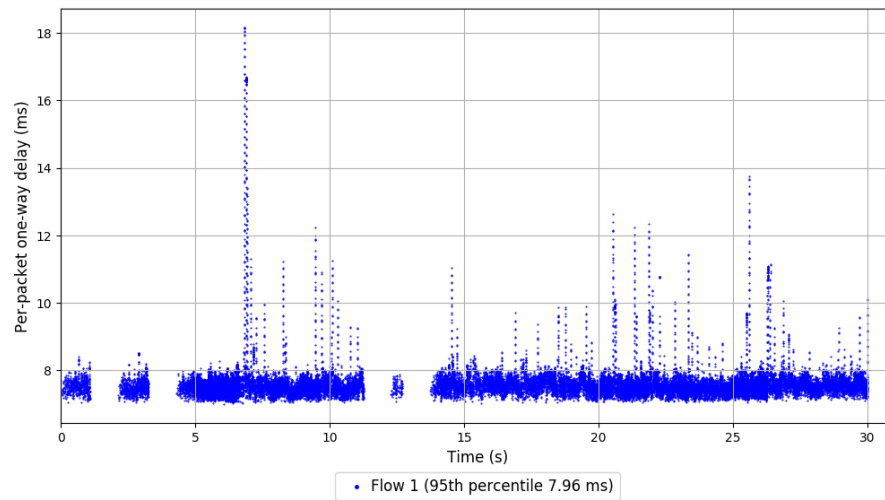
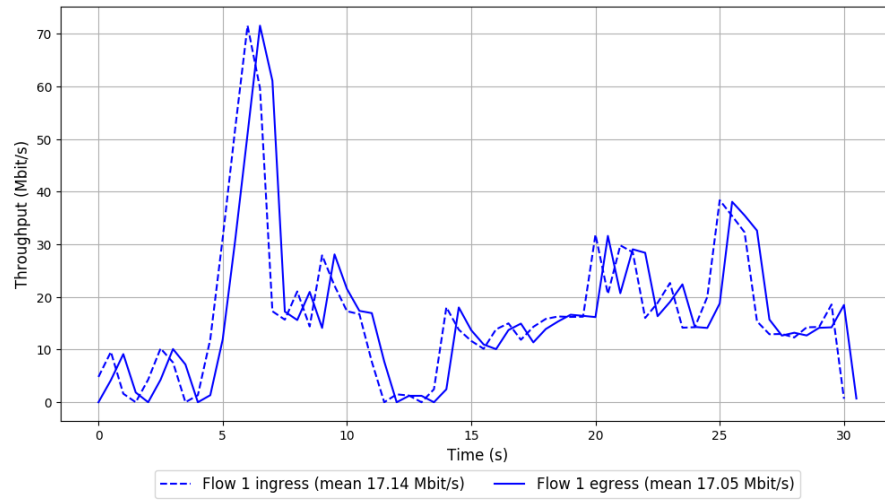


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 05:07:32
End at: 2018-06-05 05:08:02
Local clock offset: -1.017 ms
Remote clock offset: -11.181 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.05 Mbit/s
95th percentile per-packet one-way delay: 7.962 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 17.05 Mbit/s
95th percentile per-packet one-way delay: 7.962 ms
Loss rate: 0.55%

Run 3: Report of LEDBAT — Data Link

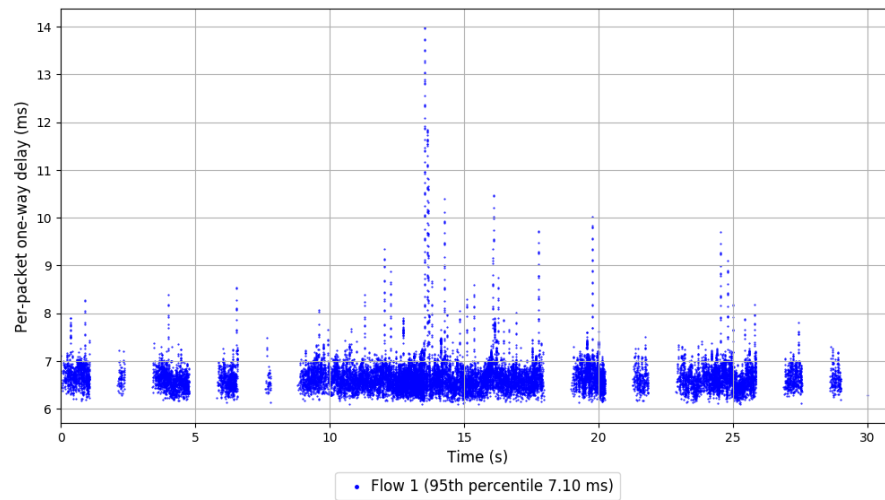
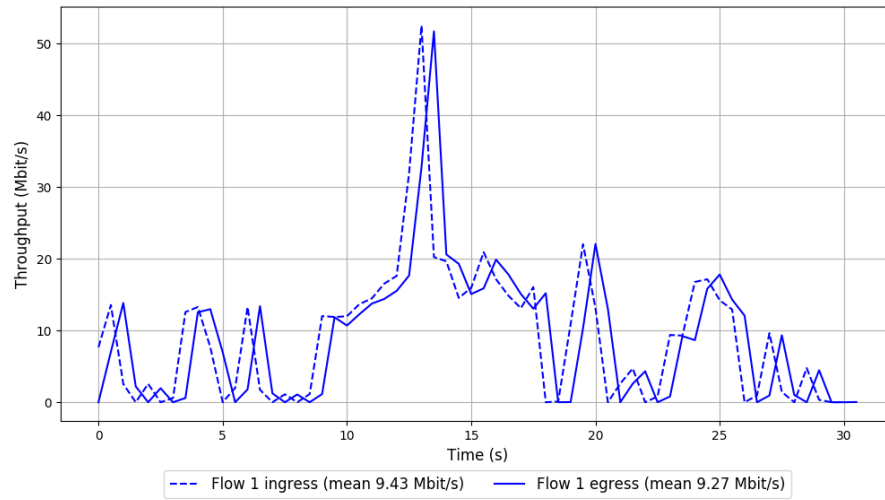


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 05:26:06
End at: 2018-06-05 05:26:36
Local clock offset: -0.631 ms
Remote clock offset: -11.144 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 7.098 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 7.098 ms
Loss rate: 1.74%

Run 4: Report of LEDBAT — Data Link

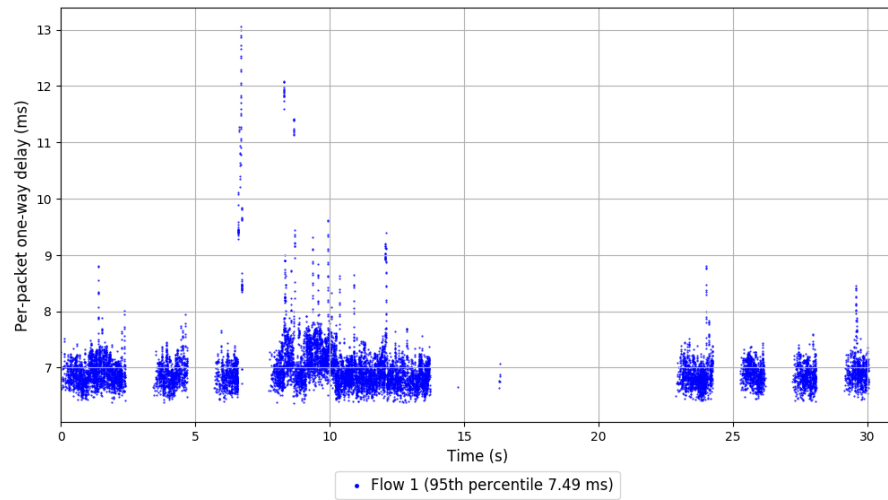
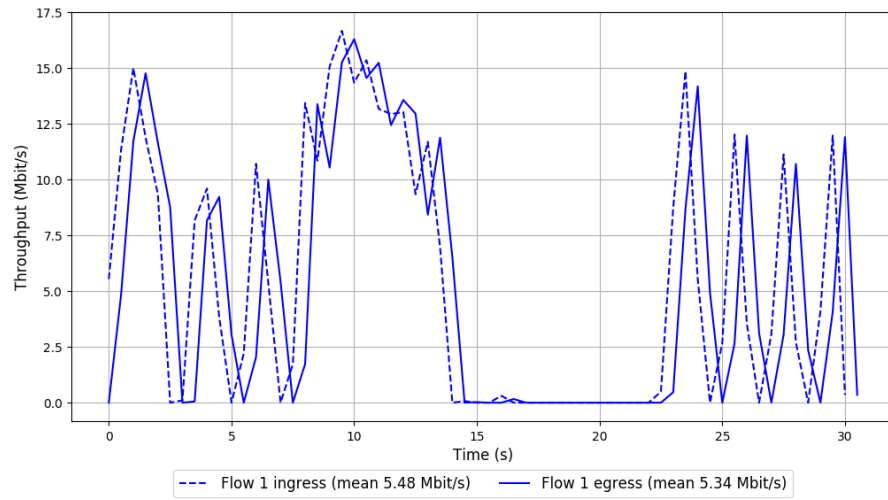


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 05:44:46
End at: 2018-06-05 05:45:16
Local clock offset: -0.038 ms
Remote clock offset: -9.968 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 7.494 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 7.494 ms
Loss rate: 2.47%

Run 5: Report of LEDBAT — Data Link

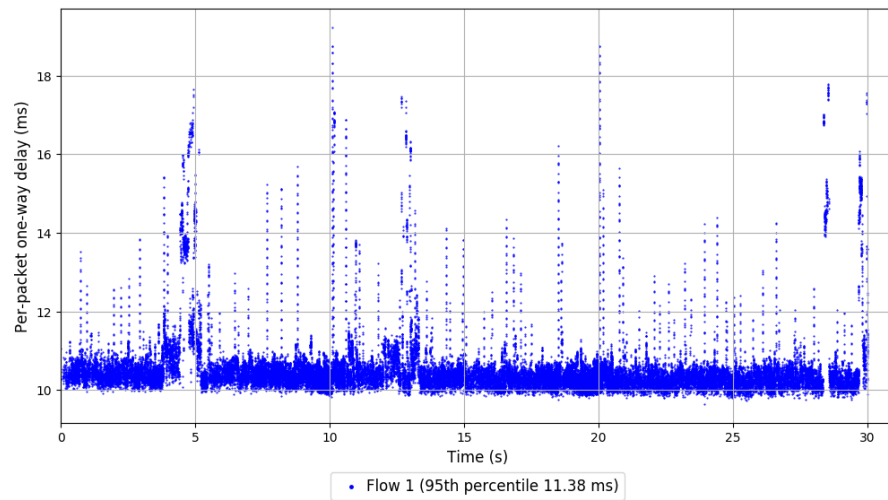
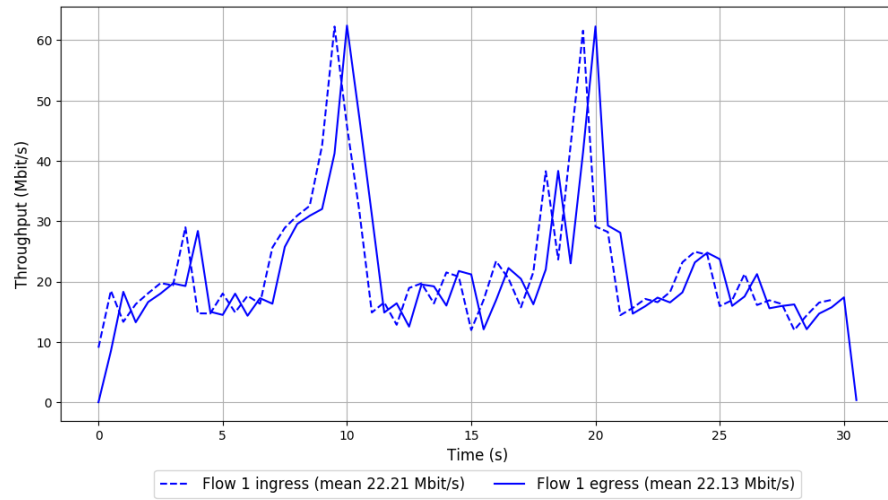


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 06:03:10
End at: 2018-06-05 06:03:41
Local clock offset: -3.225 ms
Remote clock offset: -2.363 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 11.379 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 11.379 ms
Loss rate: 0.34%

Run 6: Report of LEDBAT — Data Link

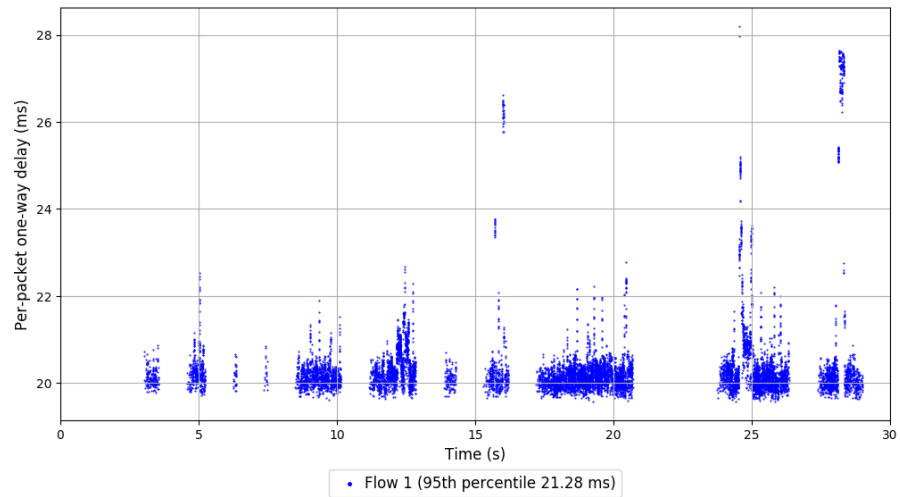
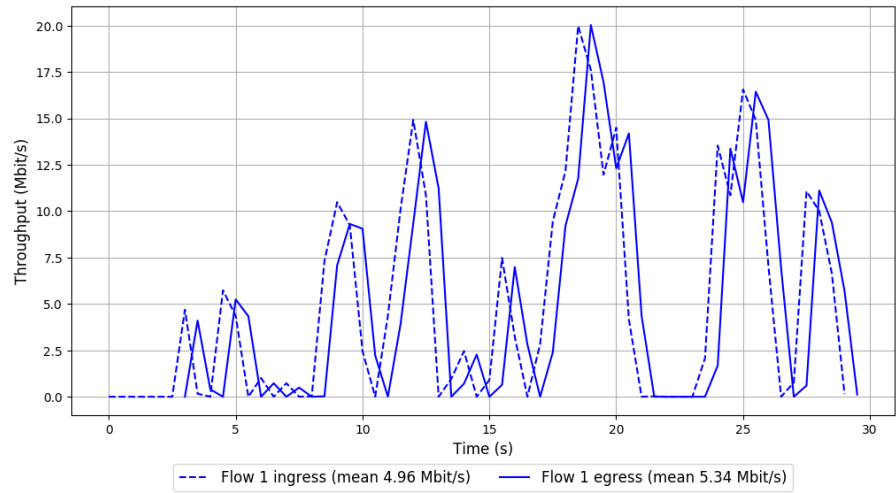


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 06:22:10
End at: 2018-06-05 06:22:40
Local clock offset: -0.811 ms
Remote clock offset: 14.555 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 21.276 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 21.276 ms
Loss rate: 3.52%

Run 7: Report of LEDBAT — Data Link

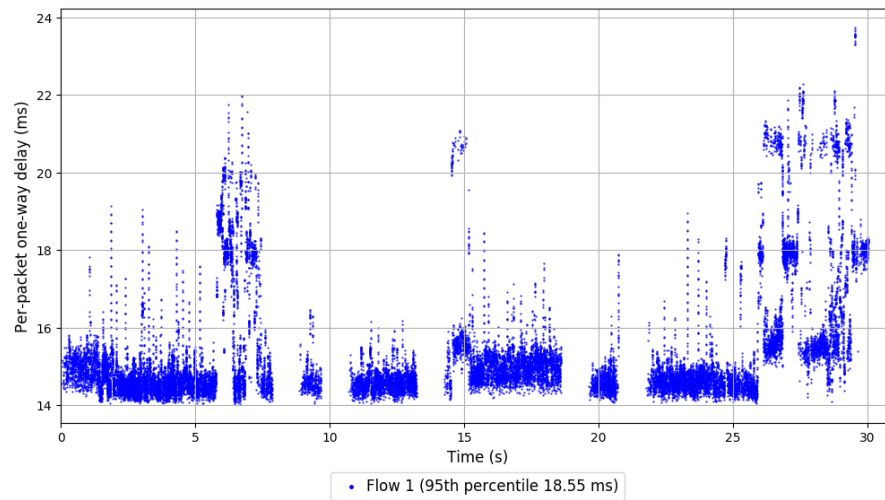
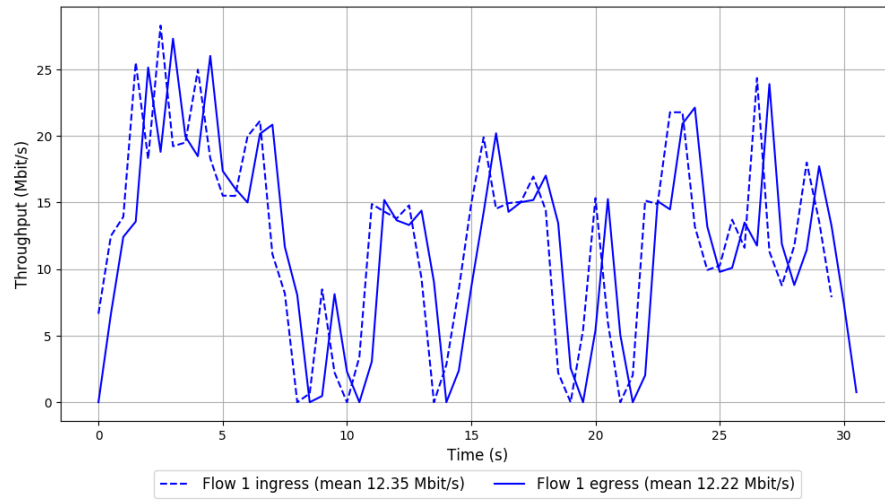


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 06:40:56
End at: 2018-06-05 06:41:26
Local clock offset: -0.575 ms
Remote clock offset: 10.789 ms

Below is generated by plot.py at 2018-06-05 07:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 18.551 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 18.551 ms
Loss rate: 1.02%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-05 06:59:32

End at: 2018-06-05 07:00:02

Local clock offset: -1.897 ms

Remote clock offset: 8.434 ms

Below is generated by plot.py at 2018-06-05 07:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.51 Mbit/s

95th percentile per-packet one-way delay: 15.799 ms

Loss rate: 0.21%

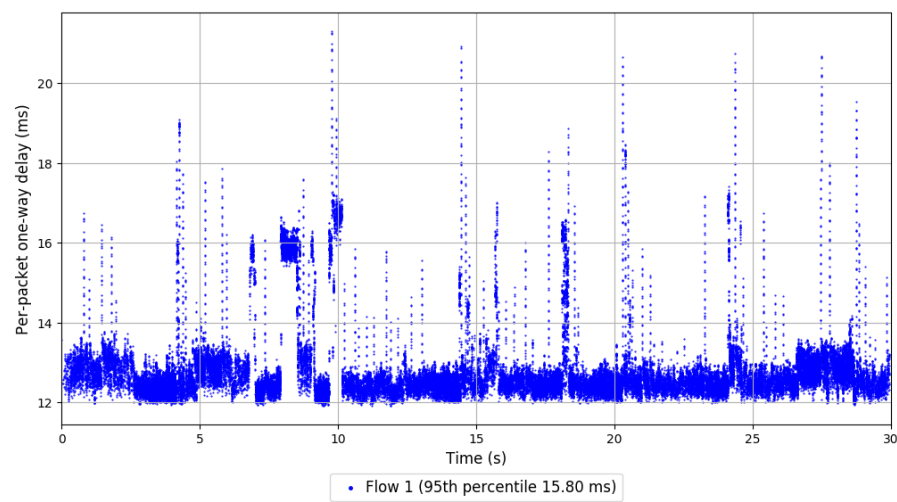
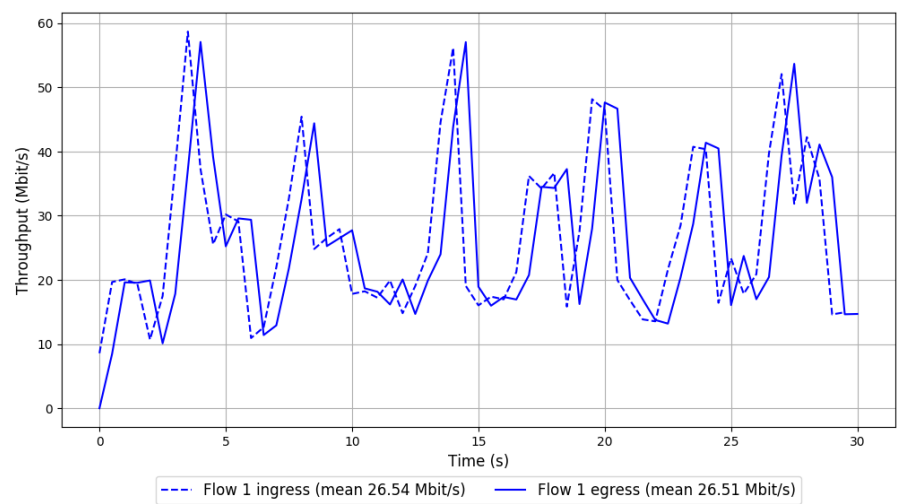
-- Flow 1:

Average throughput: 26.51 Mbit/s

95th percentile per-packet one-way delay: 15.799 ms

Loss rate: 0.21%

Run 9: Report of LEDBAT — Data Link

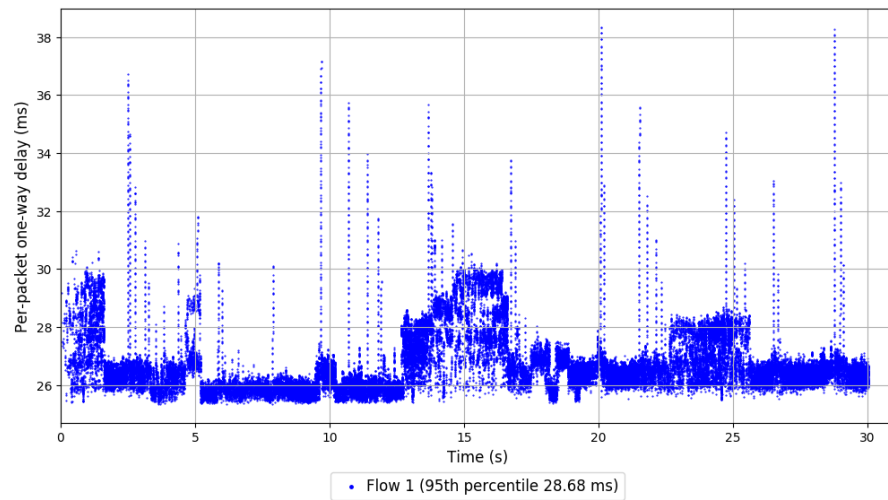
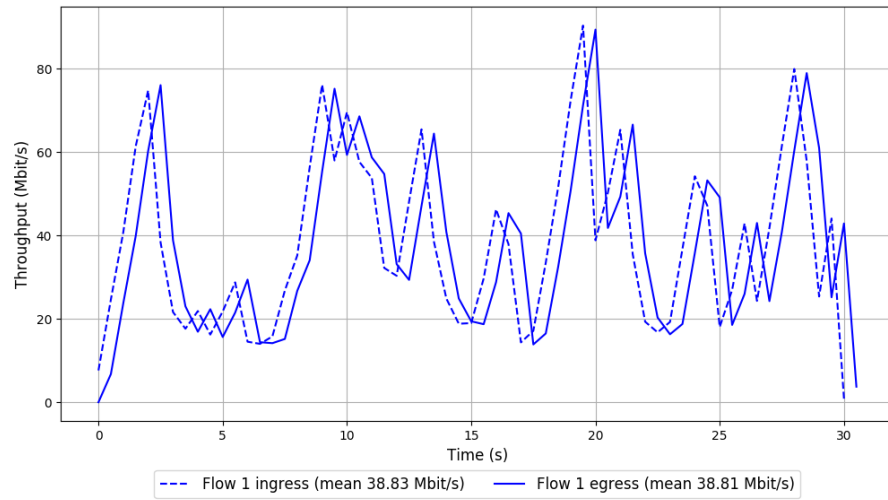


Run 10: Statistics of LEDBAT

Start at: 2018-06-05 07:17:47
End at: 2018-06-05 07:18:17
Local clock offset: -0.065 ms
Remote clock offset: 14.865 ms

Below is generated by plot.py at 2018-06-05 07:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 28.680 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 28.680 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

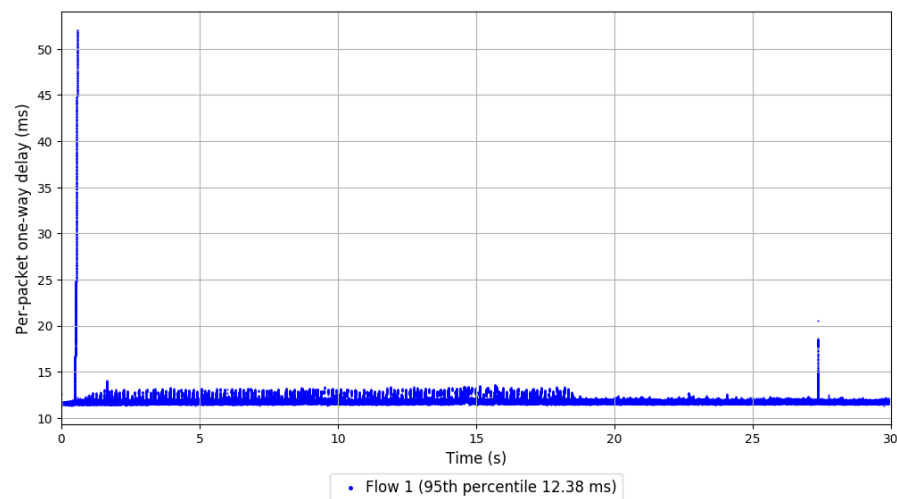
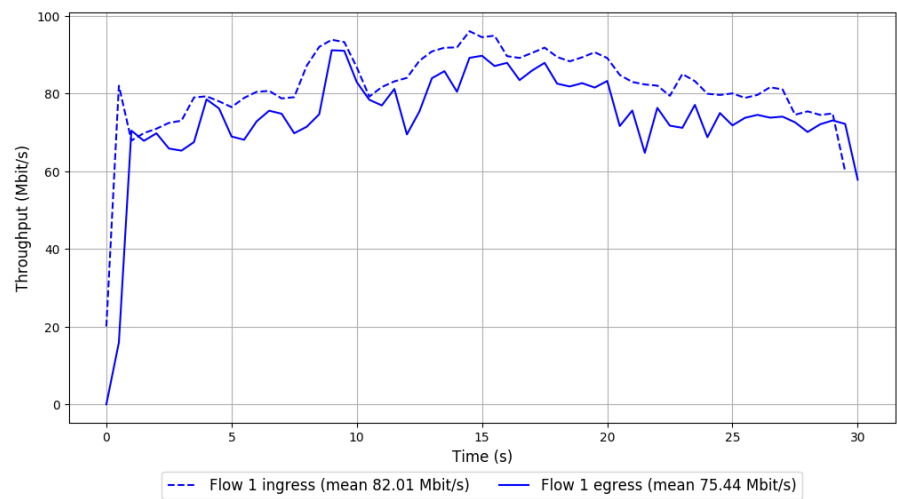


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 04:22:52
End at: 2018-06-05 04:23:22
Local clock offset: 0.318 ms
Remote clock offset: -3.488 ms

# Below is generated by plot.py at 2018-06-05 07:33:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 12.380 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 12.380 ms
Loss rate: 8.02%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 04:41:24

End at: 2018-06-05 04:41:54

Local clock offset: -2.324 ms

Remote clock offset: -6.282 ms

Below is generated by plot.py at 2018-06-05 07:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 11.408 ms

Loss rate: 3.56%

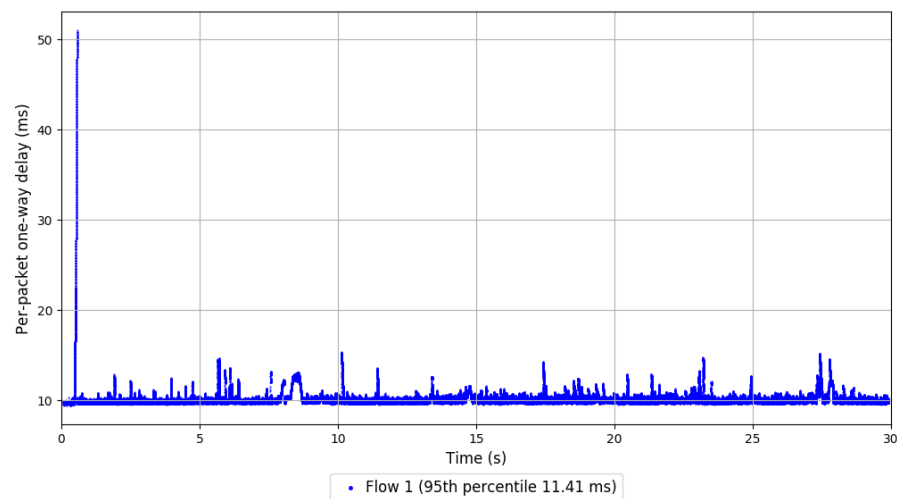
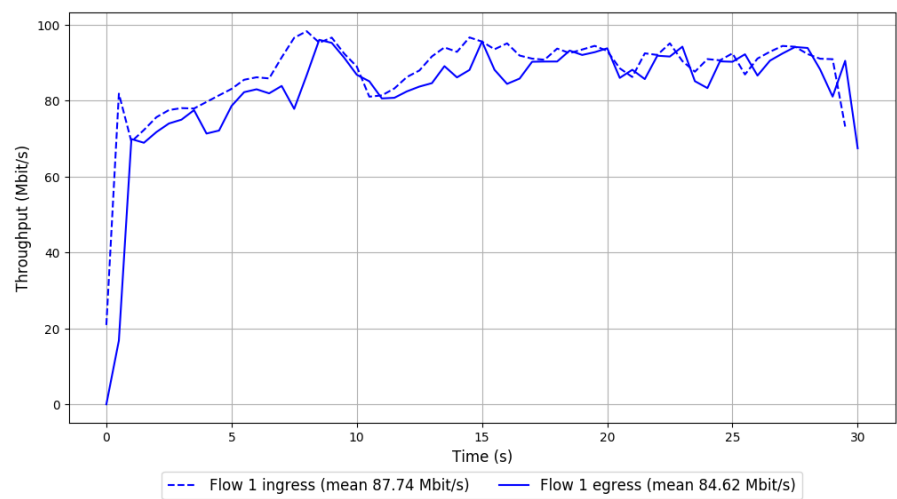
-- Flow 1:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 11.408 ms

Loss rate: 3.56%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 04:59:39

End at: 2018-06-05 05:00:09

Local clock offset: -1.993 ms

Remote clock offset: -10.445 ms

Below is generated by plot.py at 2018-06-05 07:33:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.28 Mbit/s

95th percentile per-packet one-way delay: 36.212 ms

Loss rate: 6.37%

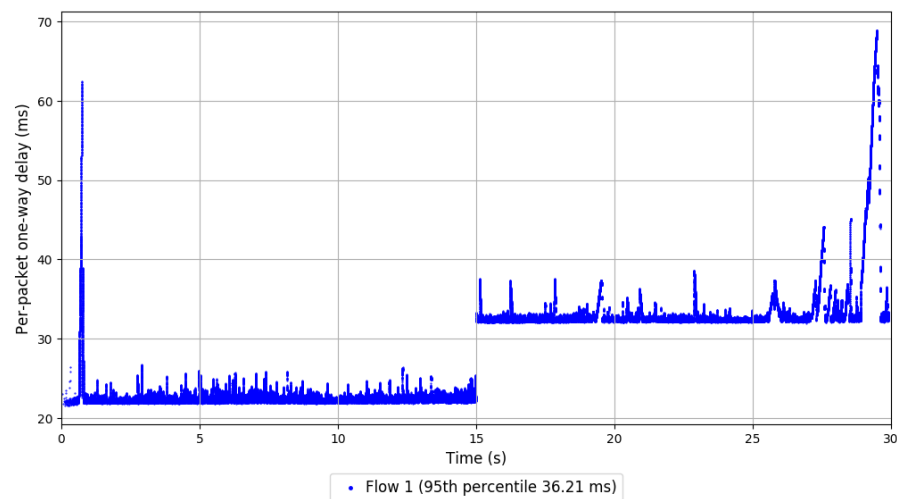
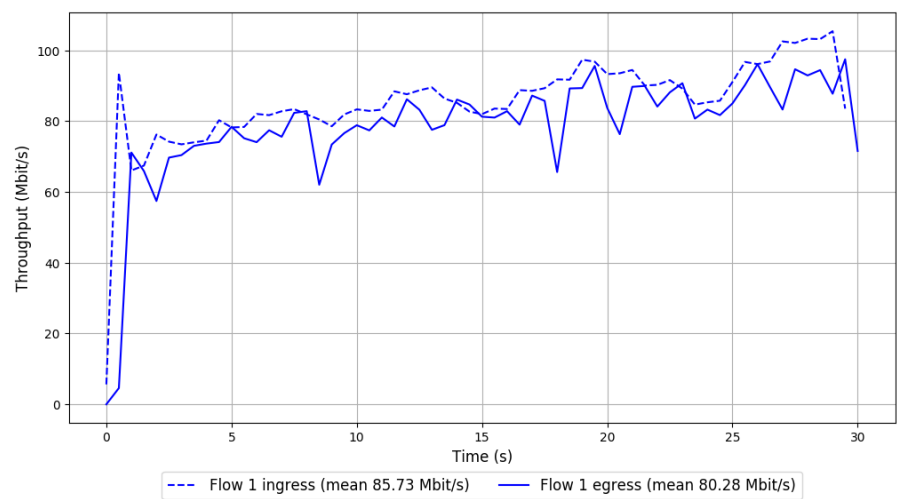
-- Flow 1:

Average throughput: 80.28 Mbit/s

95th percentile per-packet one-way delay: 36.212 ms

Loss rate: 6.37%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 05:17:50

End at: 2018-06-05 05:18:20

Local clock offset: -2.024 ms

Remote clock offset: -11.992 ms

Below is generated by plot.py at 2018-06-05 07:33:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.20 Mbit/s

95th percentile per-packet one-way delay: 9.723 ms

Loss rate: 7.85%

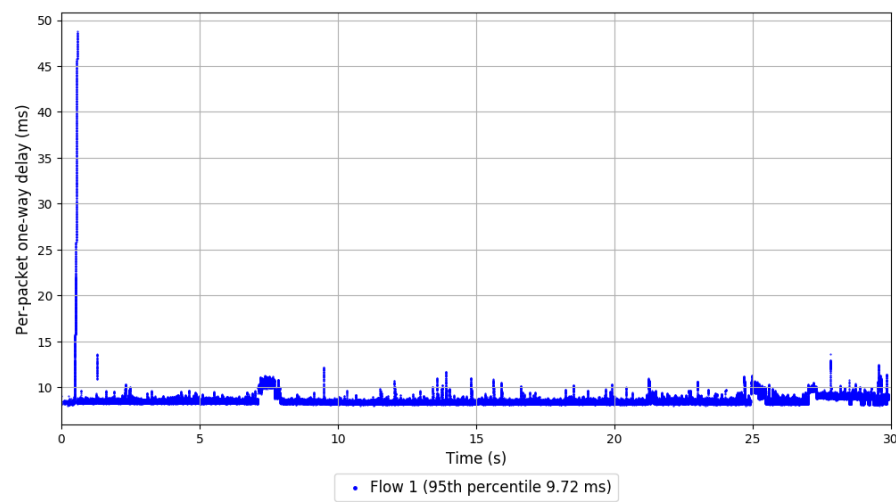
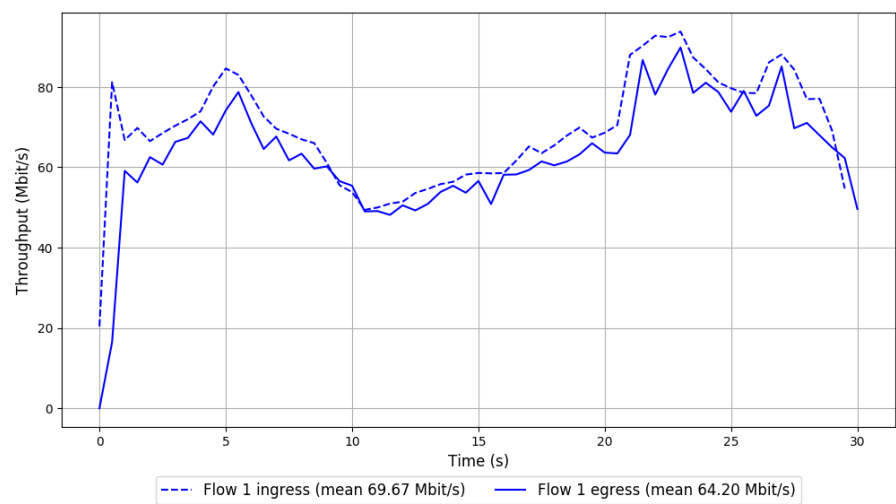
-- Flow 1:

Average throughput: 64.20 Mbit/s

95th percentile per-packet one-way delay: 9.723 ms

Loss rate: 7.85%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 05:36:42

End at: 2018-06-05 05:37:12

Local clock offset: -3.348 ms

Remote clock offset: -27.606 ms

Below is generated by plot.py at 2018-06-05 07:33:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.60 Mbit/s

95th percentile per-packet one-way delay: -4.921 ms

Loss rate: 6.88%

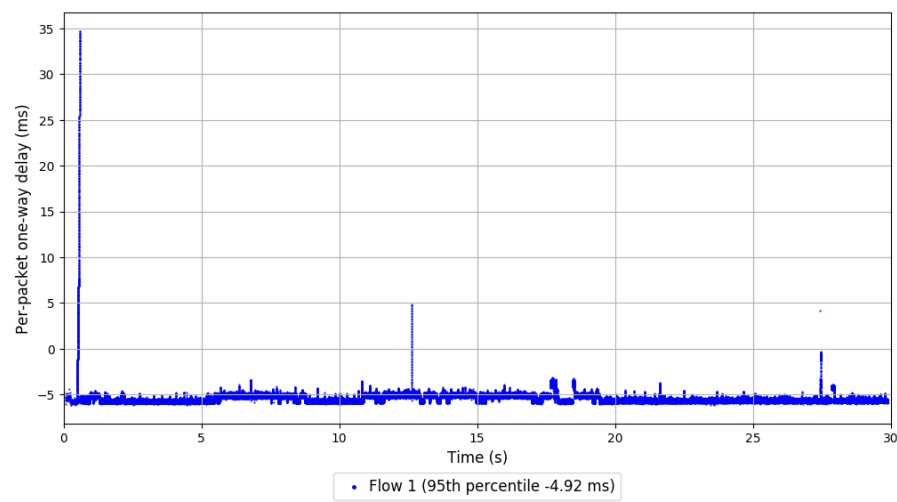
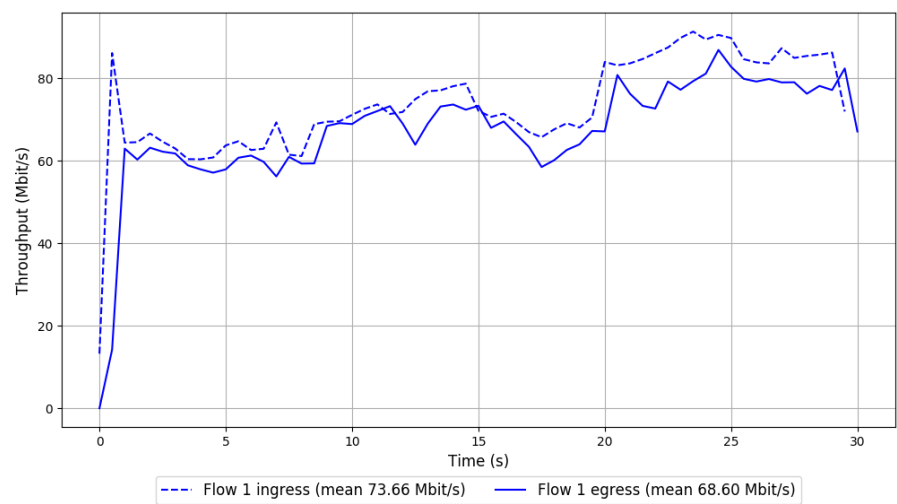
-- Flow 1:

Average throughput: 68.60 Mbit/s

95th percentile per-packet one-way delay: -4.921 ms

Loss rate: 6.88%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 05:55:05

End at: 2018-06-05 05:55:35

Local clock offset: -1.439 ms

Remote clock offset: -8.414 ms

Below is generated by plot.py at 2018-06-05 07:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 7.590 ms

Loss rate: 8.25%

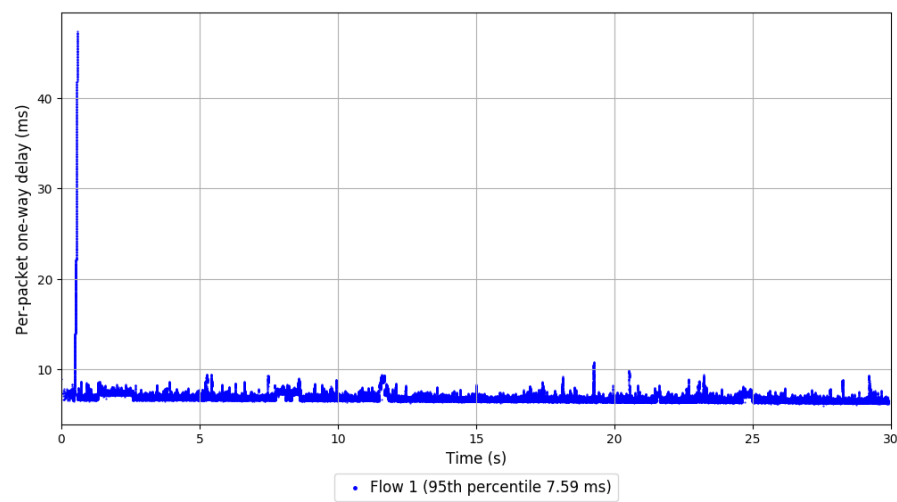
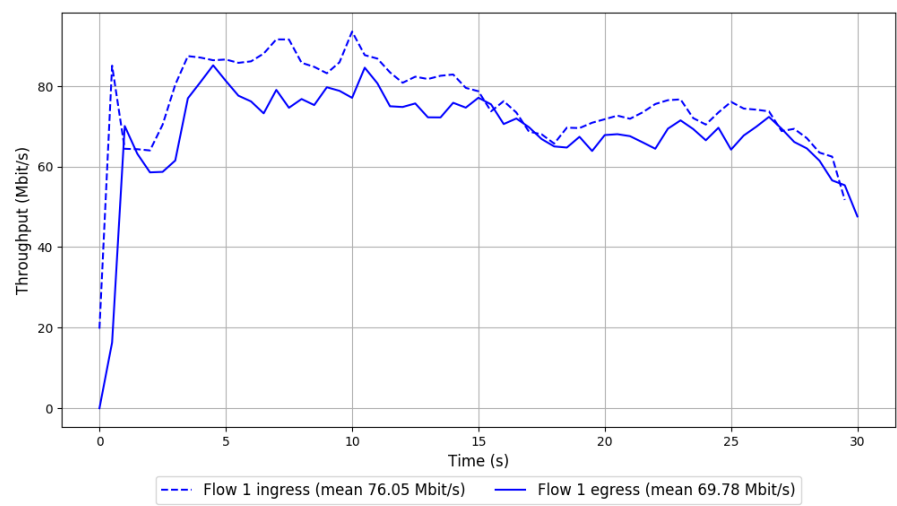
-- Flow 1:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 7.590 ms

Loss rate: 8.25%

Run 6: Report of PCC-Allegro — Data Link

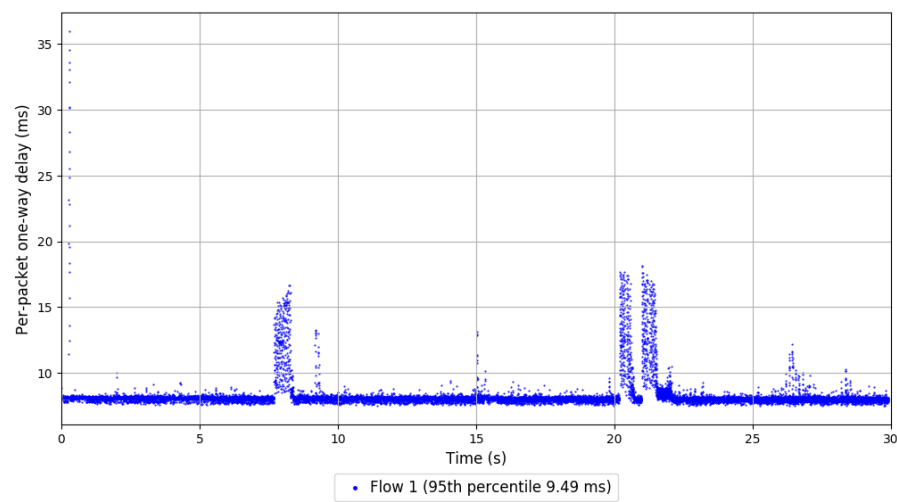
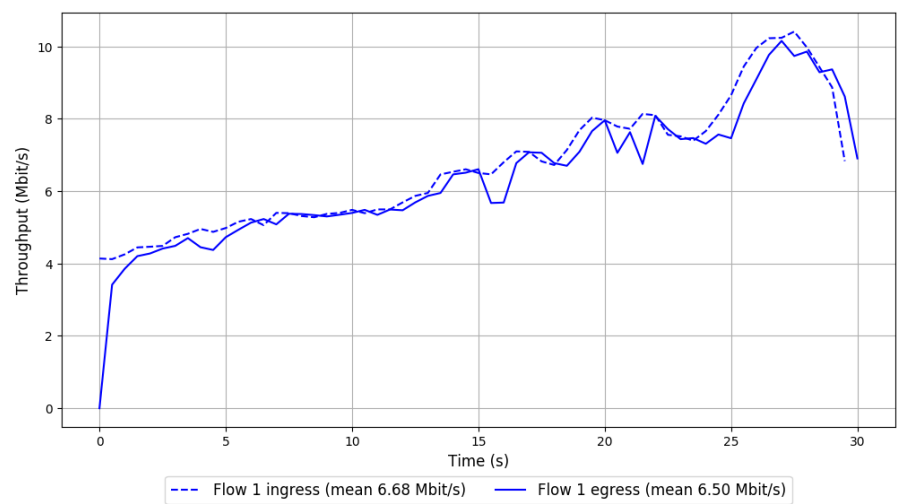


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 06:14:10
End at: 2018-06-05 06:14:40
Local clock offset: -1.939 ms
Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-05 07:33:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 9.488 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 9.488 ms
Loss rate: 2.69%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 06:32:55

End at: 2018-06-05 06:33:25

Local clock offset: -4.542 ms

Remote clock offset: 8.172 ms

Below is generated by plot.py at 2018-06-05 07:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.99 Mbit/s

95th percentile per-packet one-way delay: 17.350 ms

Loss rate: 9.87%

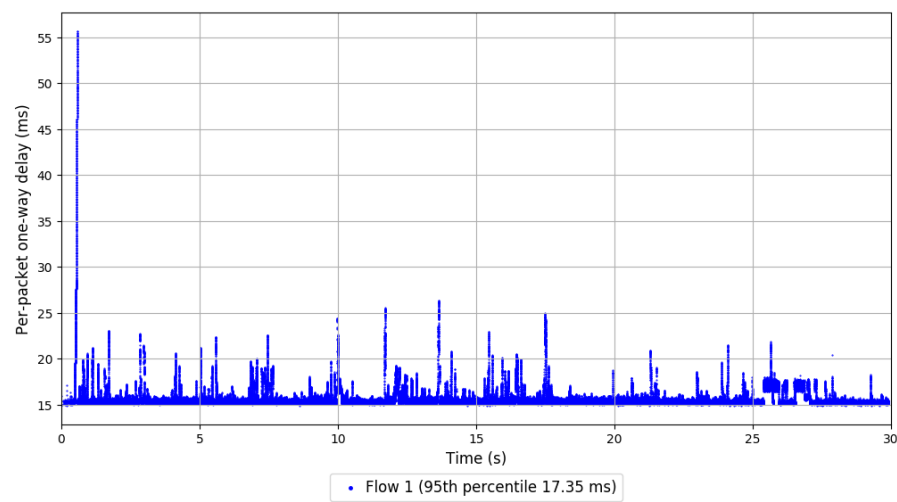
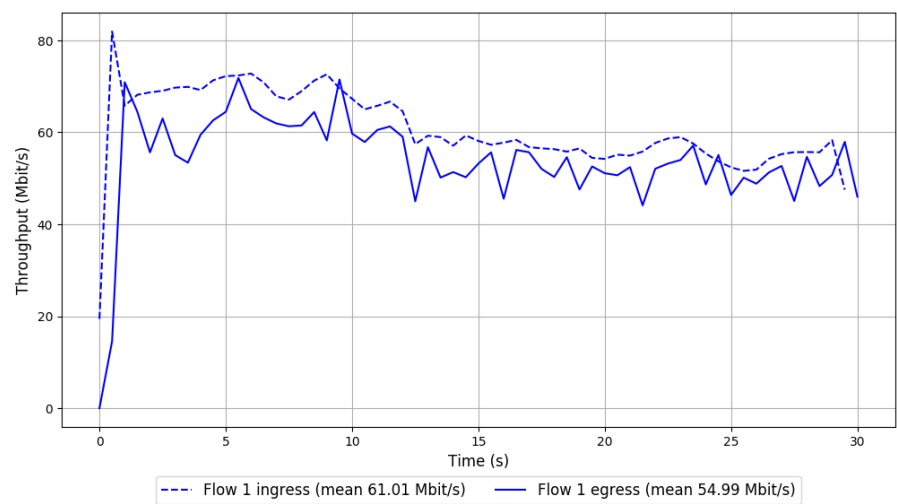
-- Flow 1:

Average throughput: 54.99 Mbit/s

95th percentile per-packet one-way delay: 17.350 ms

Loss rate: 9.87%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 06:51:29

End at: 2018-06-05 06:51:59

Local clock offset: -1.182 ms

Remote clock offset: 7.042 ms

Below is generated by plot.py at 2018-06-05 07:34:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 12.202 ms

Loss rate: 4.38%

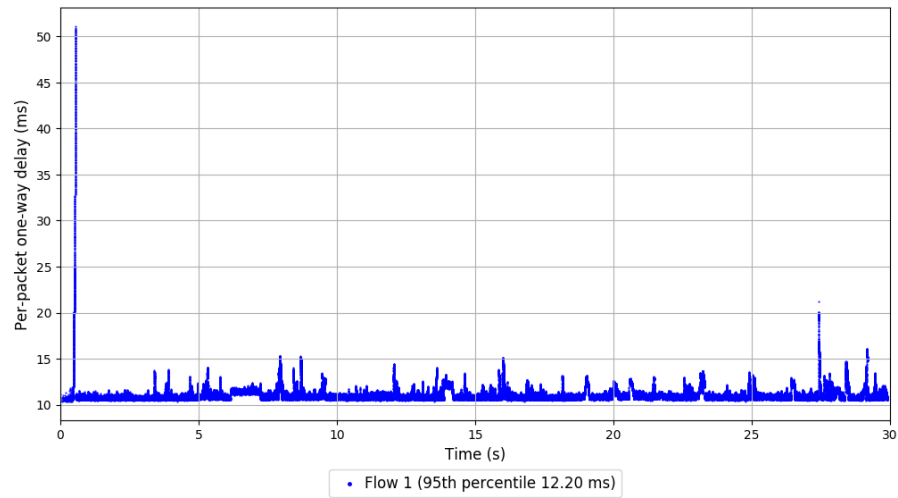
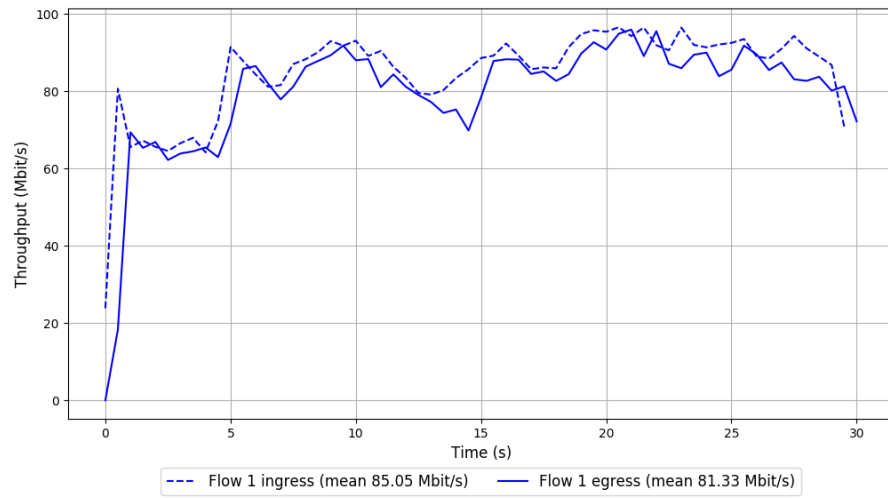
-- Flow 1:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 12.202 ms

Loss rate: 4.38%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 07:09:50

End at: 2018-06-05 07:10:20

Local clock offset: -0.154 ms

Remote clock offset: 7.79 ms

Below is generated by plot.py at 2018-06-05 07:34:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 20.796 ms

Loss rate: 2.41%

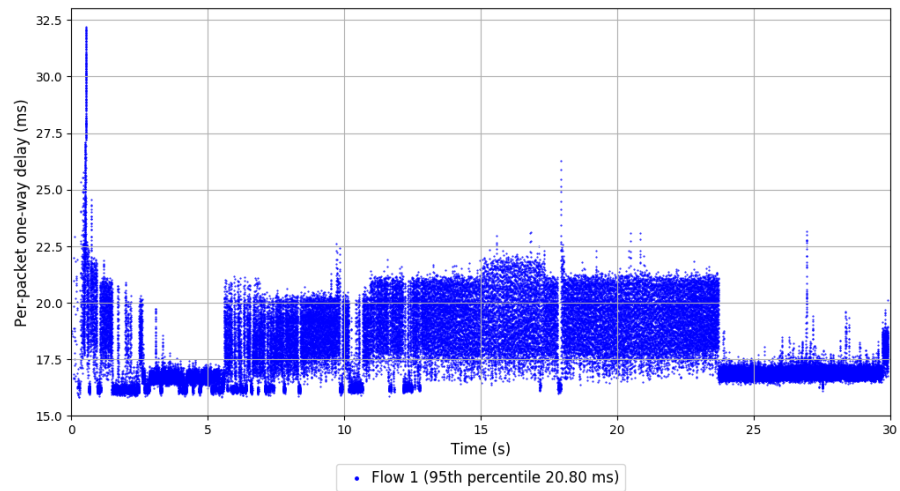
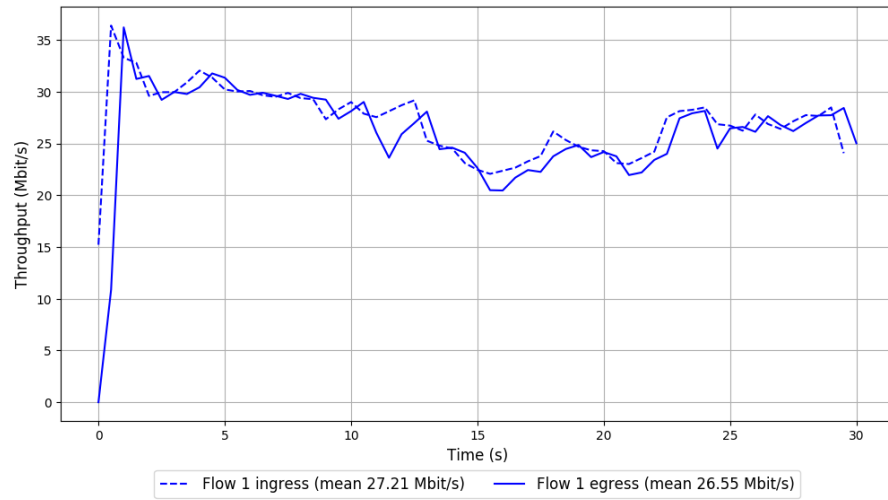
-- Flow 1:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 20.796 ms

Loss rate: 2.41%

Run 10: Report of PCC-Allegro — Data Link

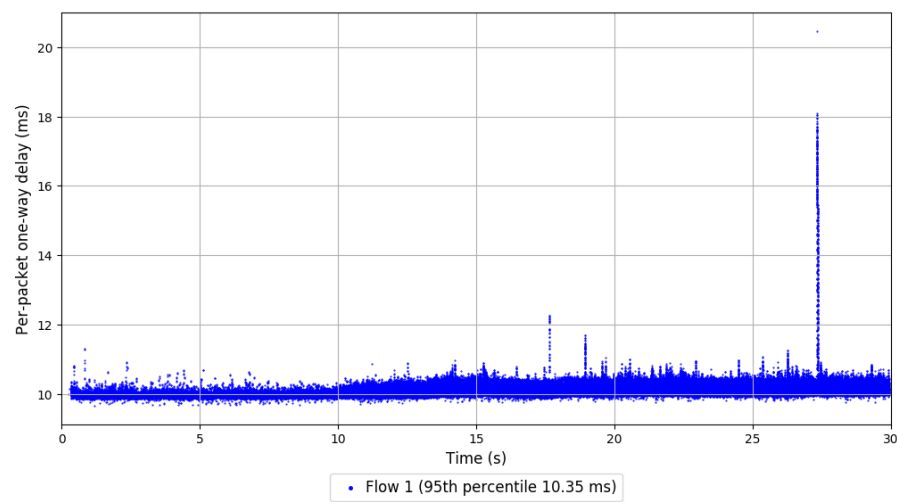
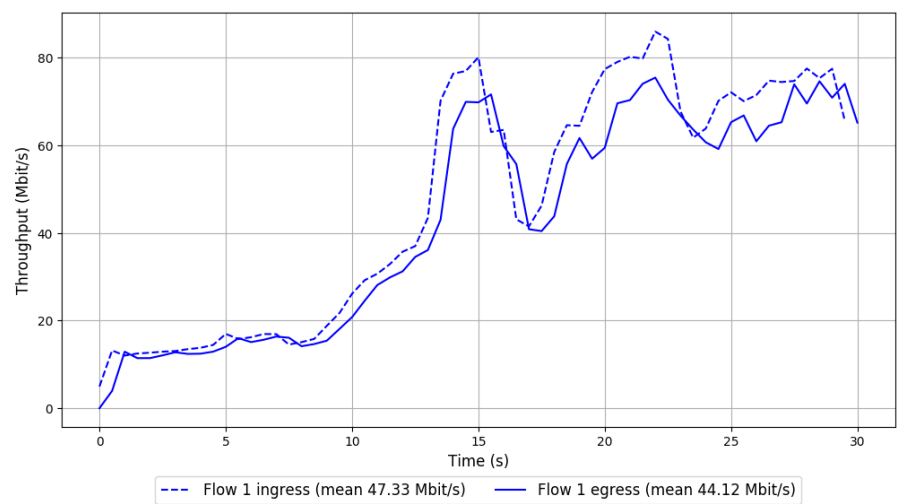


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 04:20:34
End at: 2018-06-05 04:21:04
Local clock offset: 1.879 ms
Remote clock offset: -3.293 ms

# Below is generated by plot.py at 2018-06-05 07:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 7.59%
```

Run 1: Report of PCC-Expr — Data Link

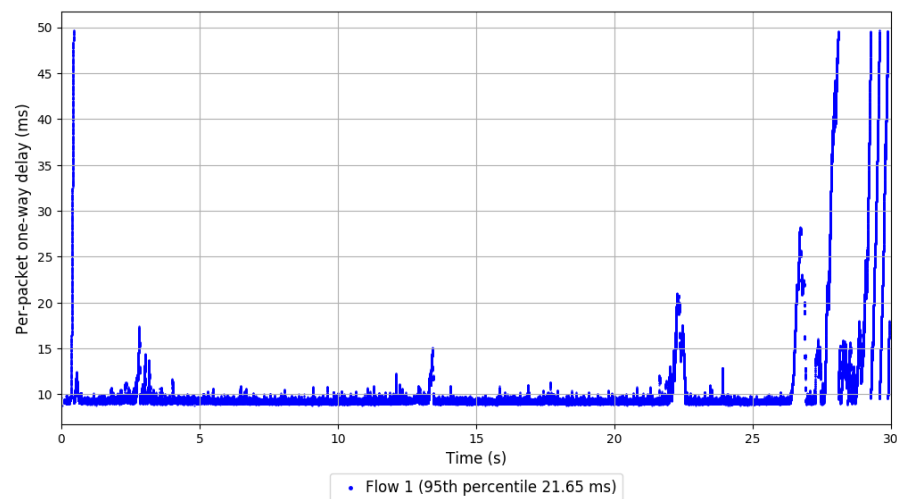
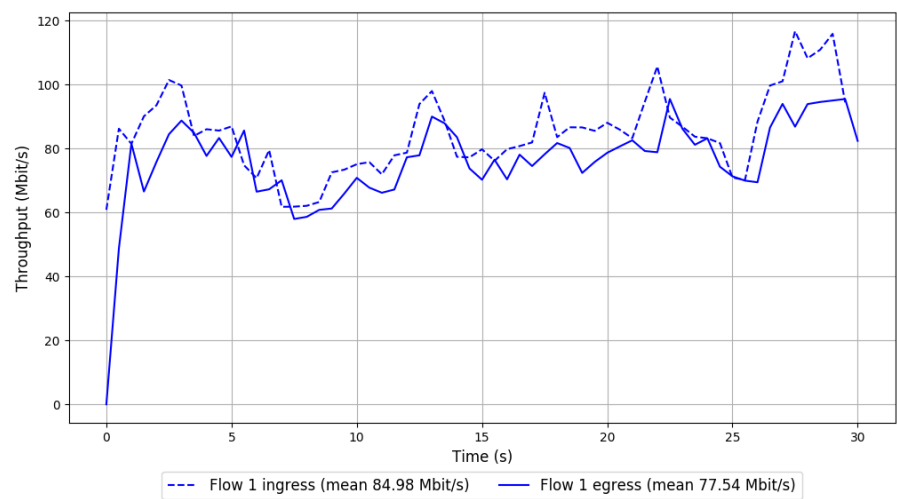


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 04:39:06
End at: 2018-06-05 04:39:36
Local clock offset: -1.987 ms
Remote clock offset: -6.847 ms

Below is generated by plot.py at 2018-06-05 07:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 21.649 ms
Loss rate: 8.73%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 21.649 ms
Loss rate: 8.73%

Run 2: Report of PCC-Expr — Data Link

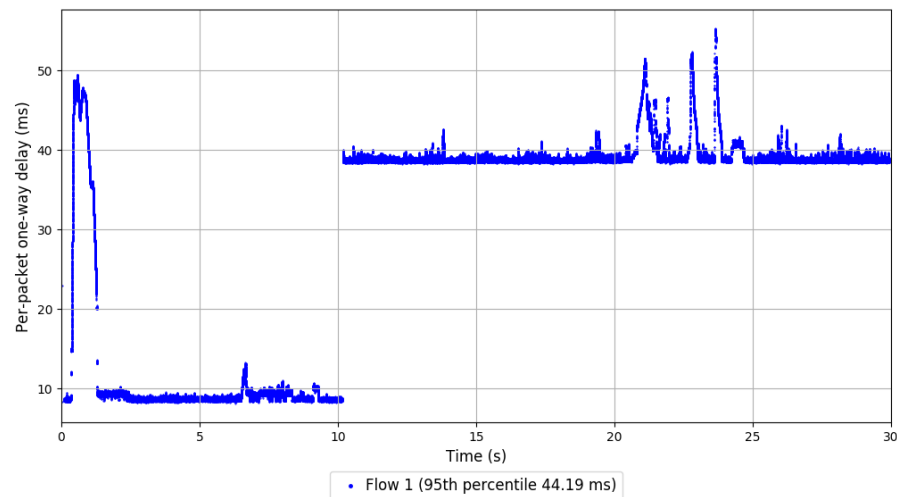
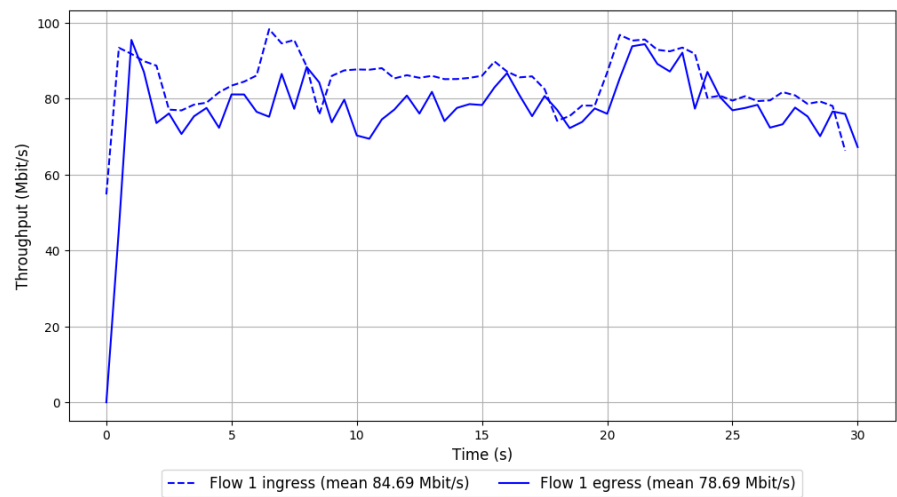


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 04:57:16
End at: 2018-06-05 04:57:46
Local clock offset: -1.538 ms
Remote clock offset: -9.249 ms

Below is generated by plot.py at 2018-06-05 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 44.194 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 44.194 ms
Loss rate: 7.09%

Run 3: Report of PCC-Expr — Data Link

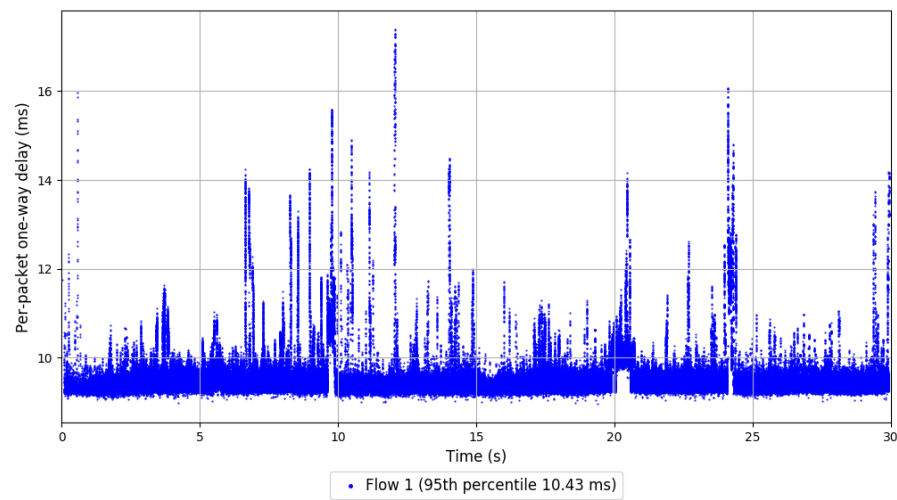
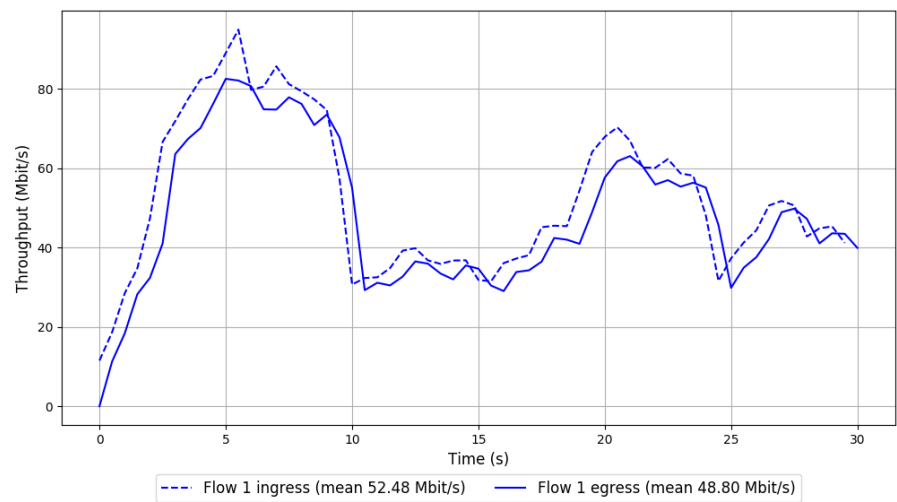


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 05:15:35
End at: 2018-06-05 05:16:05
Local clock offset: -3.47 ms
Remote clock offset: -12.355 ms

Below is generated by plot.py at 2018-06-05 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 10.425 ms
Loss rate: 7.00%
-- Flow 1:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 10.425 ms
Loss rate: 7.00%

Run 4: Report of PCC-Expr — Data Link

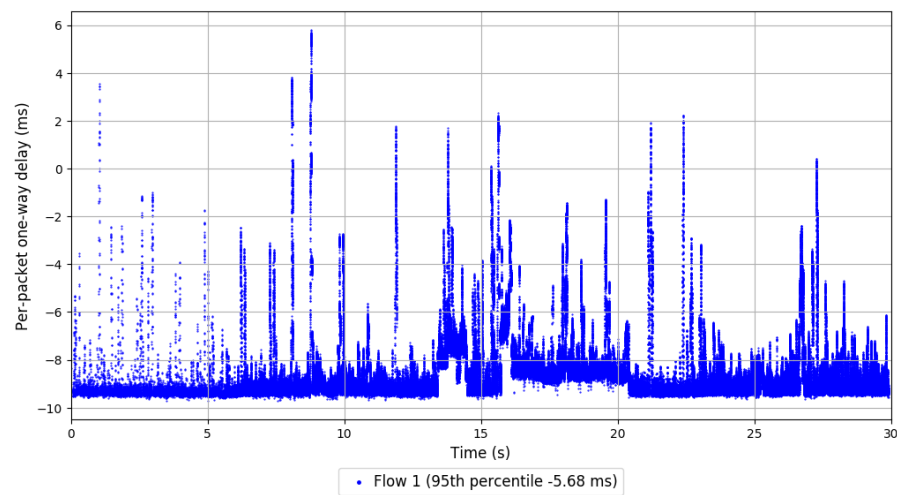
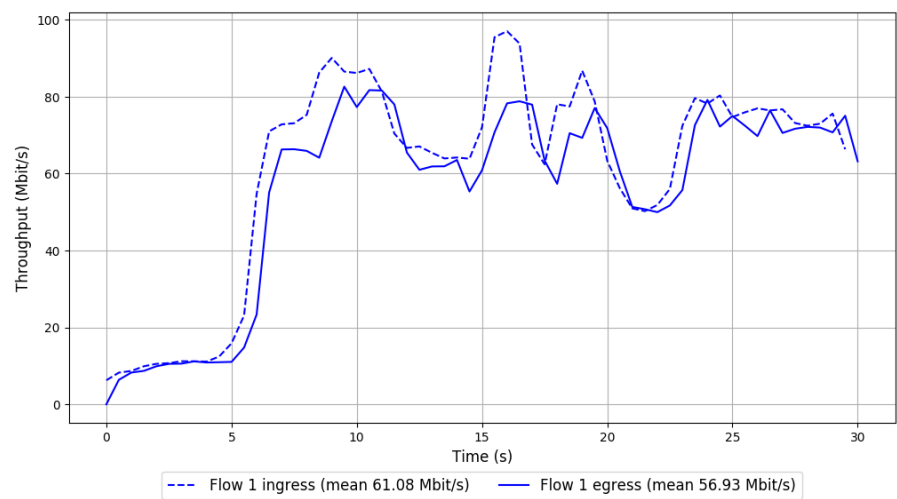


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 05:34:24
End at: 2018-06-05 05:34:54
Local clock offset: -4.245 ms
Remote clock offset: -29.987 ms

Below is generated by plot.py at 2018-06-05 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: -5.677 ms
Loss rate: 6.78%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: -5.677 ms
Loss rate: 6.78%

Run 5: Report of PCC-Expr — Data Link

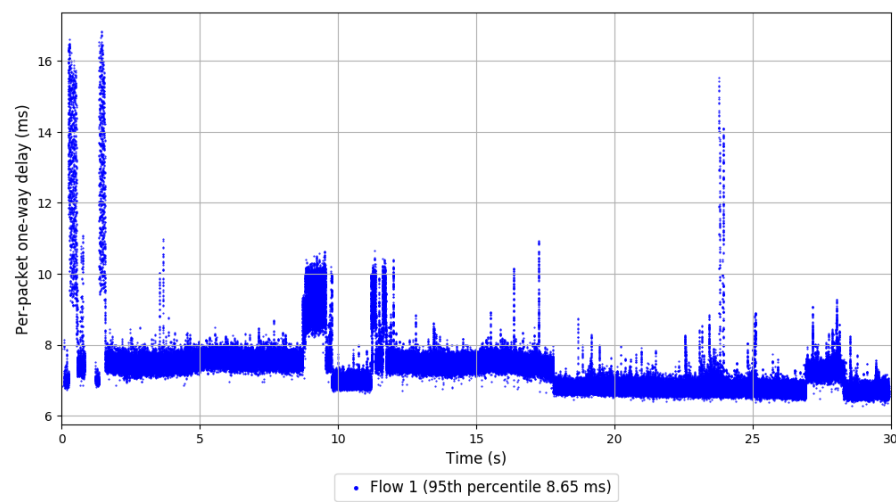
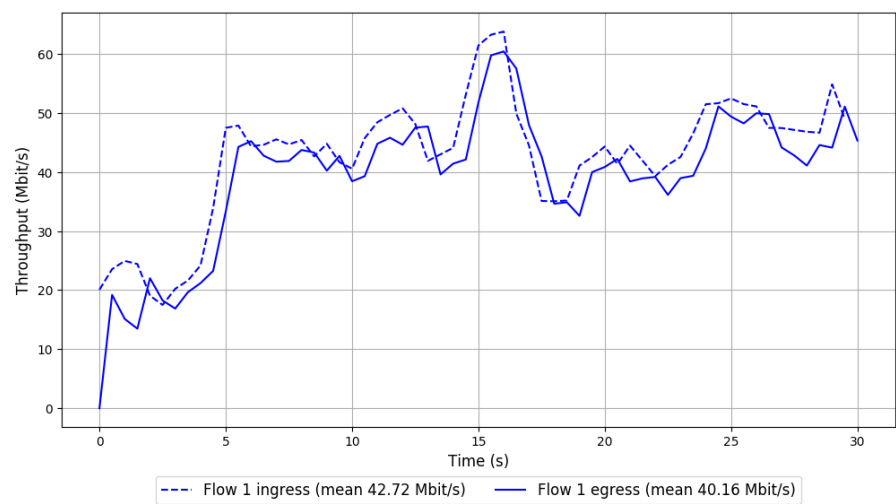


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 05:52:51
End at: 2018-06-05 05:53:21
Local clock offset: -1.416 ms
Remote clock offset: -10.068 ms

Below is generated by plot.py at 2018-06-05 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 8.649 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 8.649 ms
Loss rate: 6.01%

Run 6: Report of PCC-Expr — Data Link

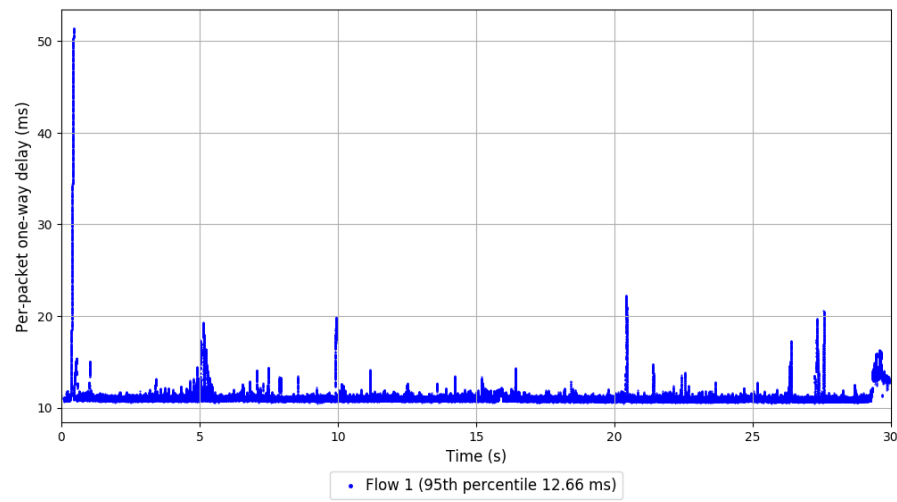
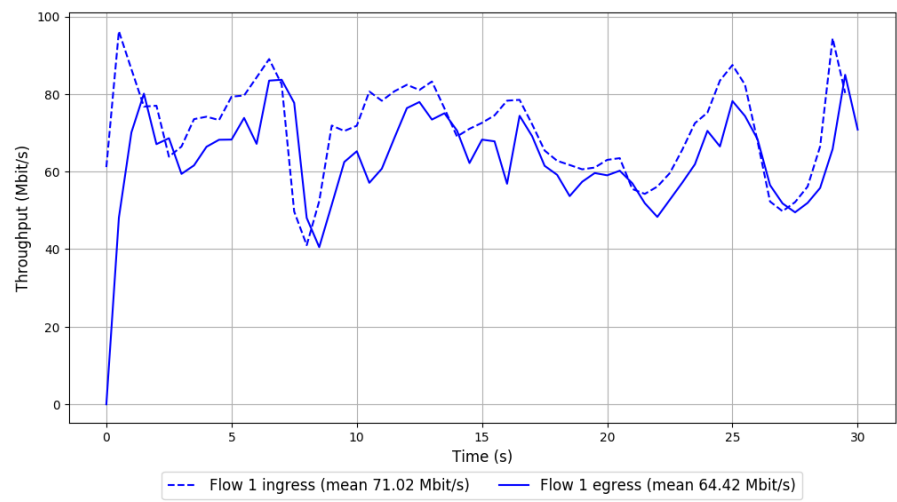


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 06:11:52
End at: 2018-06-05 06:12:22
Local clock offset: -4.668 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-06-05 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 12.660 ms
Loss rate: 9.28%
-- Flow 1:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 12.660 ms
Loss rate: 9.28%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 06:30:38

End at: 2018-06-05 06:31:08

Local clock offset: -2.573 ms

Remote clock offset: 3.175 ms

Below is generated by plot.py at 2018-06-05 07:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.36 Mbit/s

95th percentile per-packet one-way delay: 13.681 ms

Loss rate: 8.79%

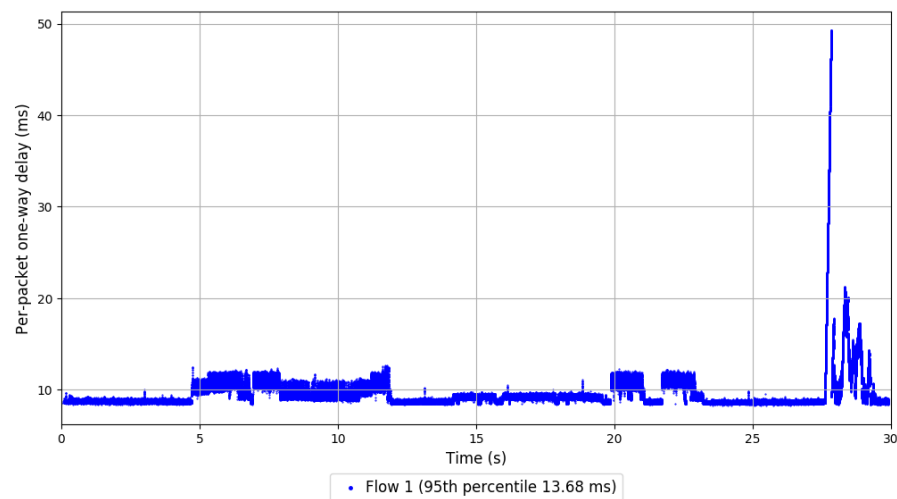
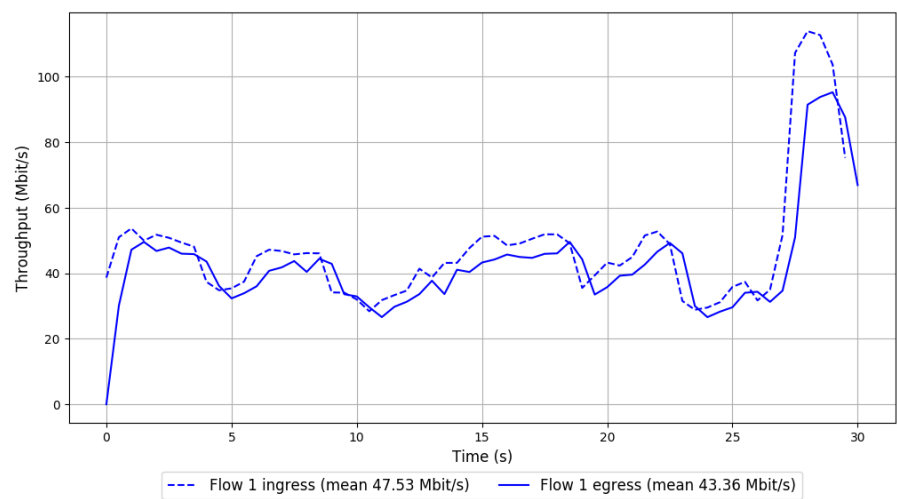
-- Flow 1:

Average throughput: 43.36 Mbit/s

95th percentile per-packet one-way delay: 13.681 ms

Loss rate: 8.79%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 06:49:09

End at: 2018-06-05 06:49:39

Local clock offset: -0.141 ms

Remote clock offset: 7.318 ms

Below is generated by plot.py at 2018-06-05 07:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 26.156 ms

Loss rate: 7.71%

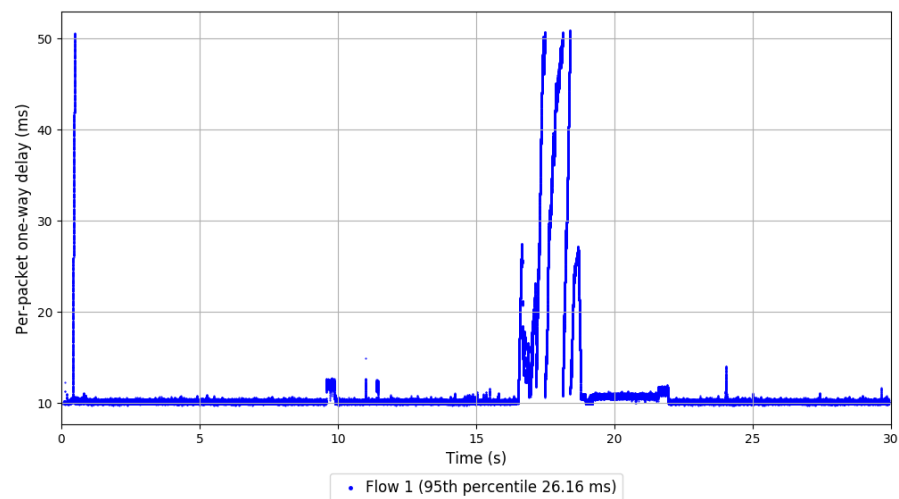
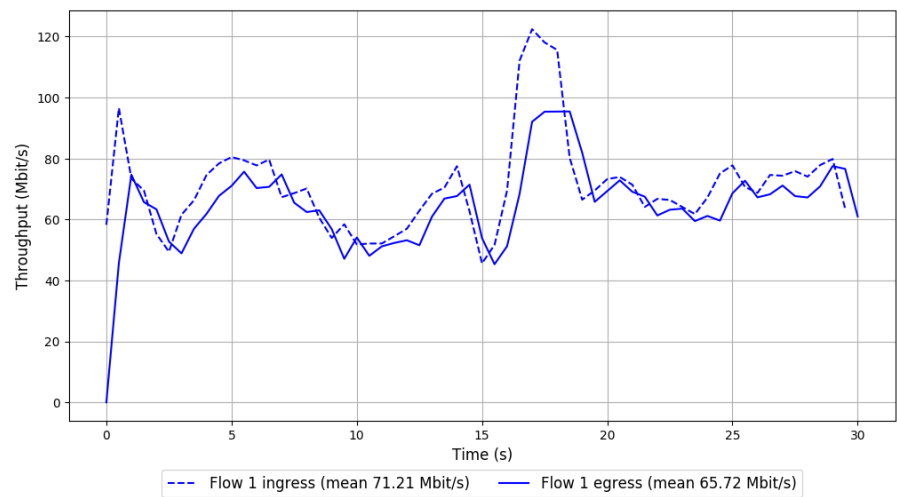
-- Flow 1:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 26.156 ms

Loss rate: 7.71%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 07:07:33

End at: 2018-06-05 07:08:04

Local clock offset: 0.031 ms

Remote clock offset: 11.178 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.22 Mbit/s

95th percentile per-packet one-way delay: 31.885 ms

Loss rate: 6.55%

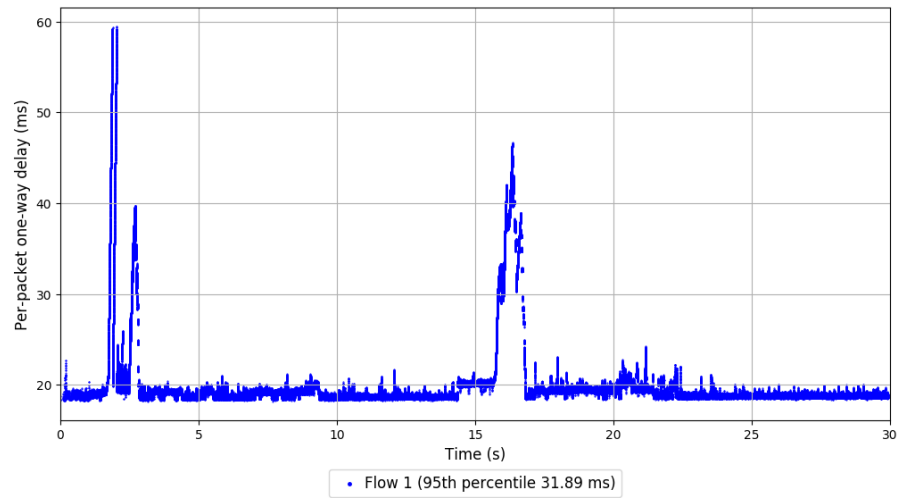
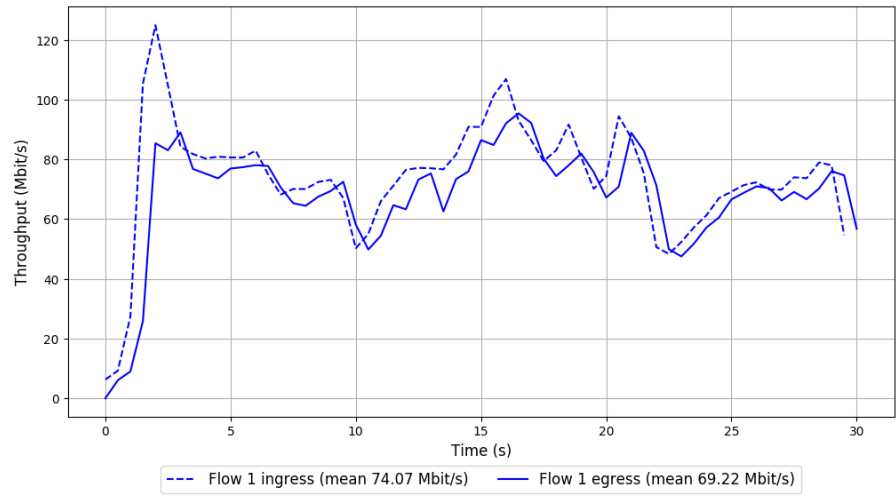
-- Flow 1:

Average throughput: 69.22 Mbit/s

95th percentile per-packet one-way delay: 31.885 ms

Loss rate: 6.55%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 04:26:22

End at: 2018-06-05 04:26:52

Local clock offset: -0.752 ms

Remote clock offset: -3.85 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 12.962 ms

Loss rate: 0.87%

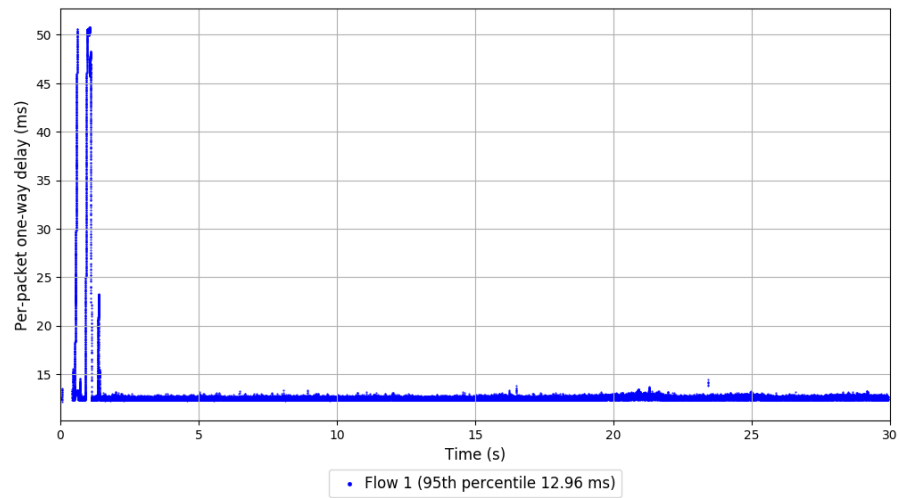
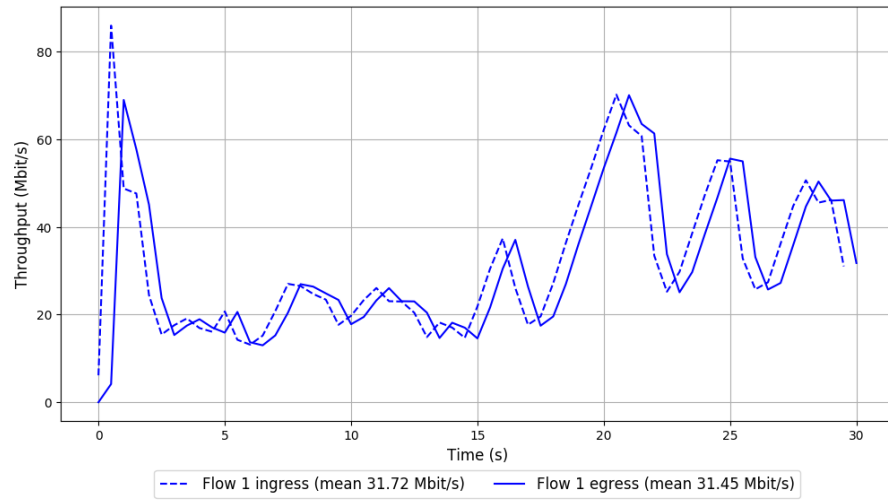
-- Flow 1:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 12.962 ms

Loss rate: 0.87%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 04:44:46

End at: 2018-06-05 04:45:16

Local clock offset: -0.062 ms

Remote clock offset: -7.584 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 27.879 ms

Loss rate: 1.23%

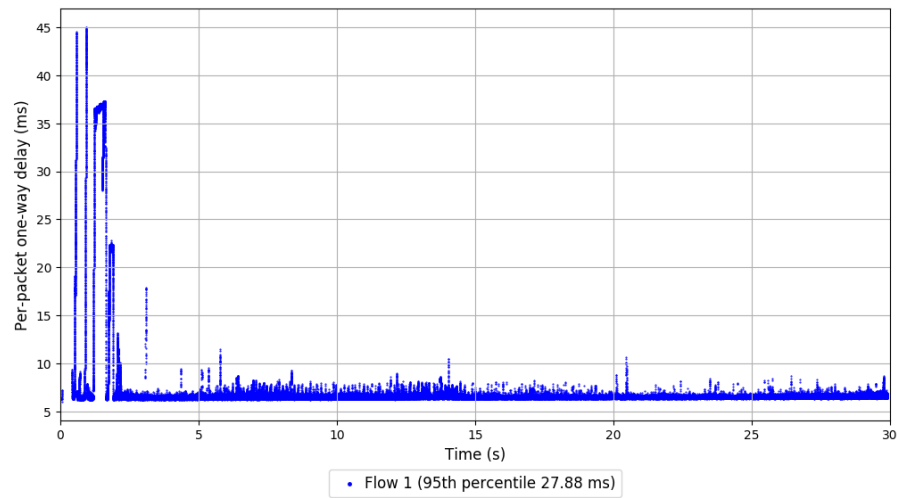
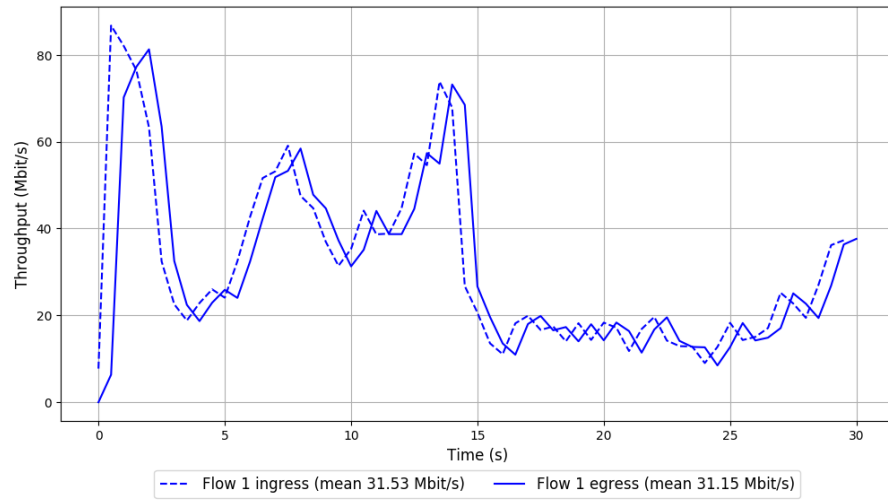
-- Flow 1:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 27.879 ms

Loss rate: 1.23%

Run 2: Report of QUIC Cubic — Data Link

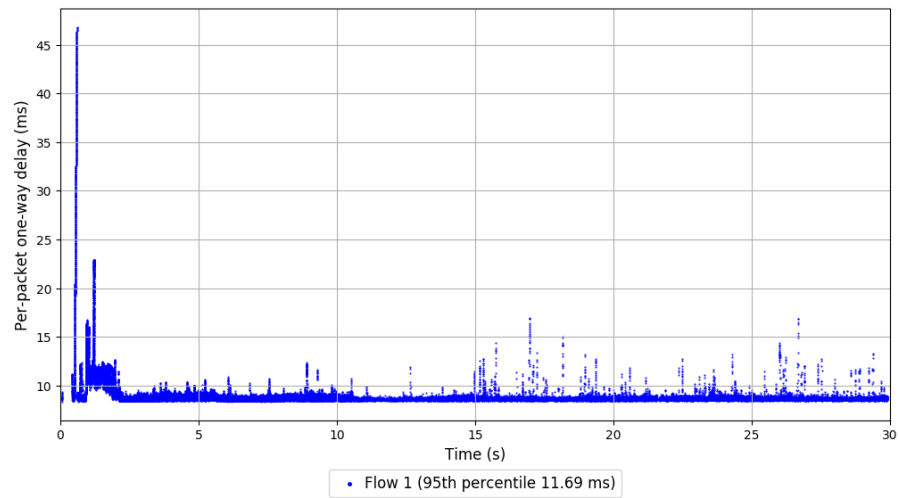
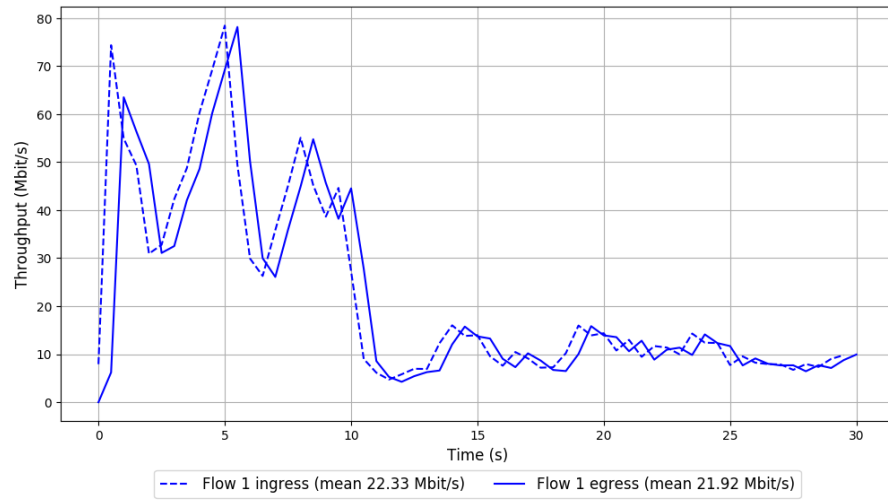


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 05:03:02
End at: 2018-06-05 05:03:33
Local clock offset: -3.581 ms
Remote clock offset: -11.698 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 11.688 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 11.688 ms
Loss rate: 1.82%

Run 3: Report of QUIC Cubic — Data Link

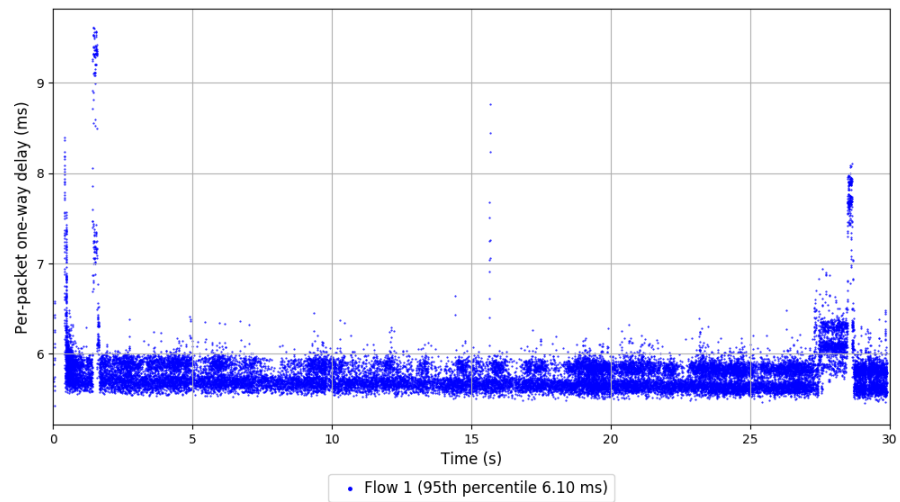
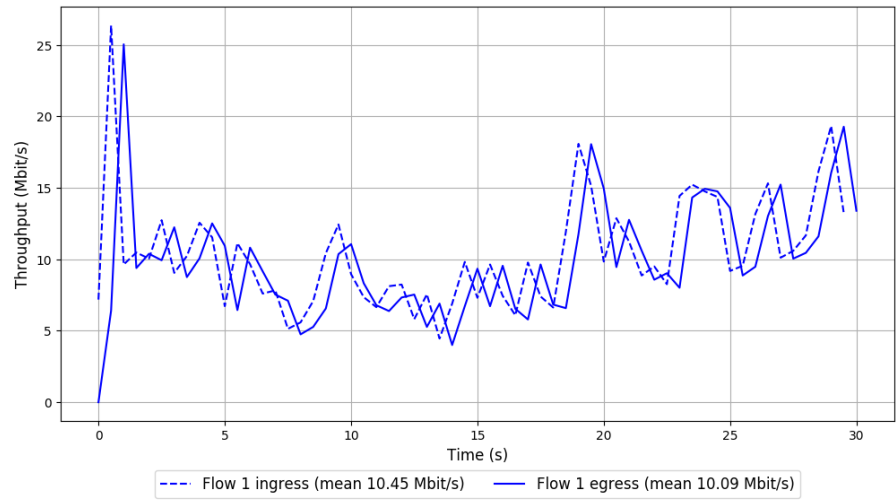


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 05:21:27
End at: 2018-06-05 05:21:57
Local clock offset: -0.143 ms
Remote clock offset: -11.816 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 6.096 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 6.096 ms
Loss rate: 3.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 05:40:12

End at: 2018-06-05 05:40:42

Local clock offset: -3.019 ms

Remote clock offset: -9.652 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 10.807 ms

Loss rate: 1.48%

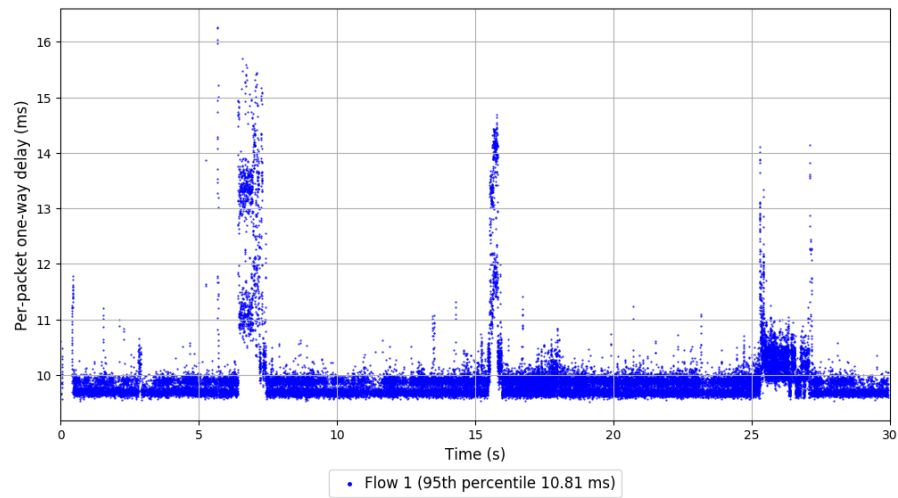
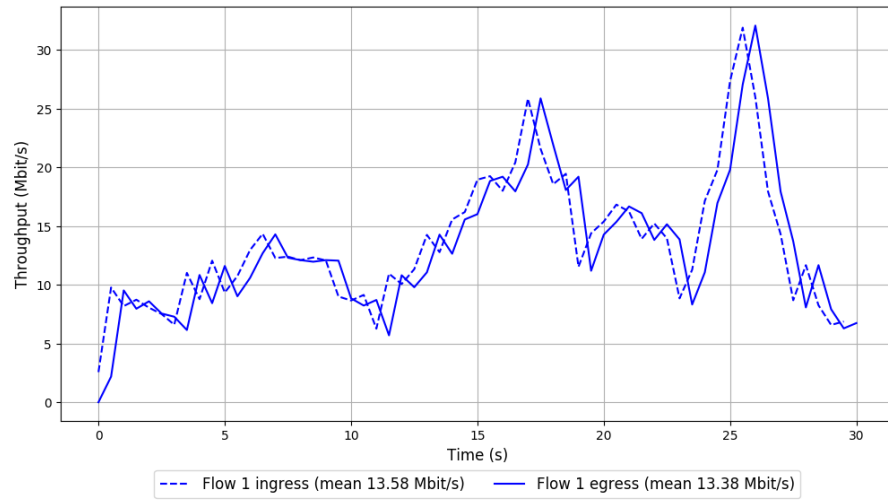
-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 10.807 ms

Loss rate: 1.48%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 05:58:32

End at: 2018-06-05 05:59:02

Local clock offset: -2.883 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 10.059 ms

Loss rate: 1.11%

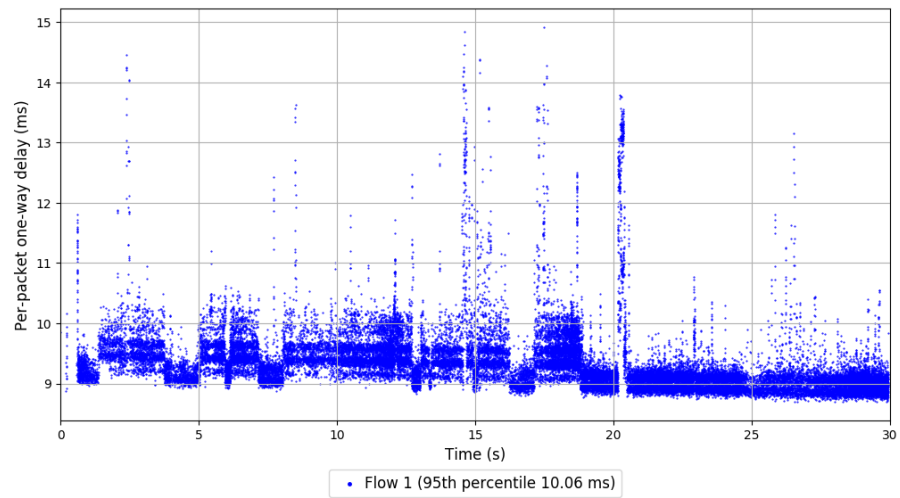
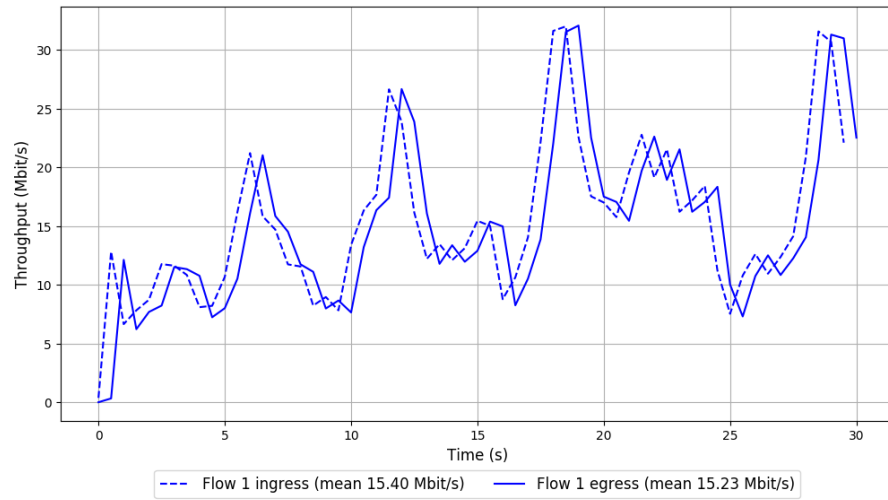
-- Flow 1:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 10.059 ms

Loss rate: 1.11%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 06:17:38

End at: 2018-06-05 06:18:08

Local clock offset: -1.641 ms

Remote clock offset: 1.758 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 9.449 ms

Loss rate: 4.03%

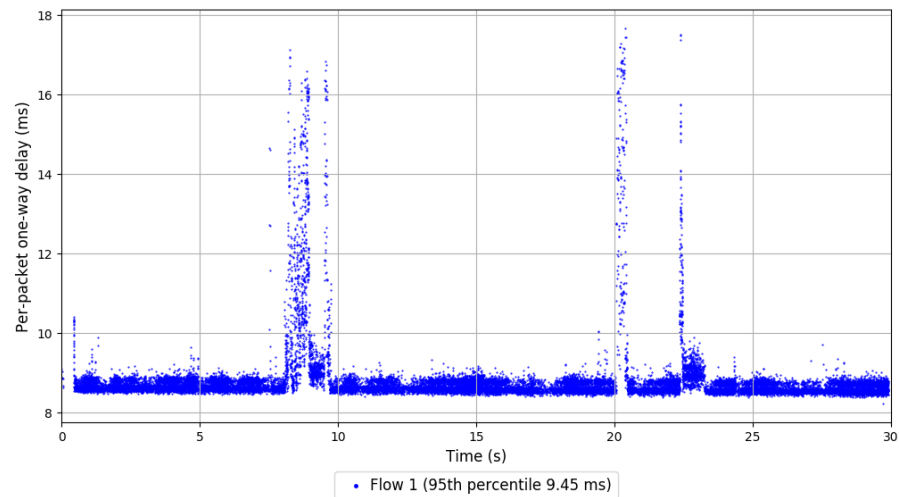
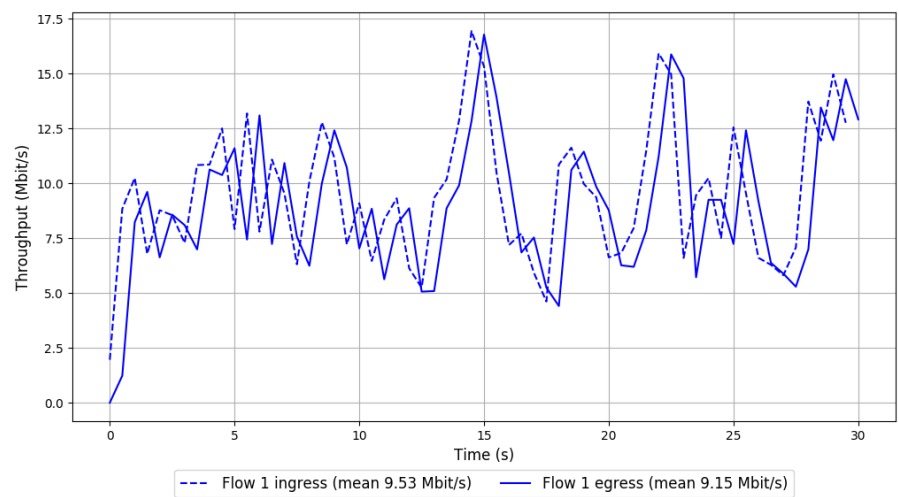
-- Flow 1:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 9.449 ms

Loss rate: 4.03%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 06:36:22

End at: 2018-06-05 06:36:52

Local clock offset: -1.062 ms

Remote clock offset: 9.392 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 16.771 ms

Loss rate: 2.90%

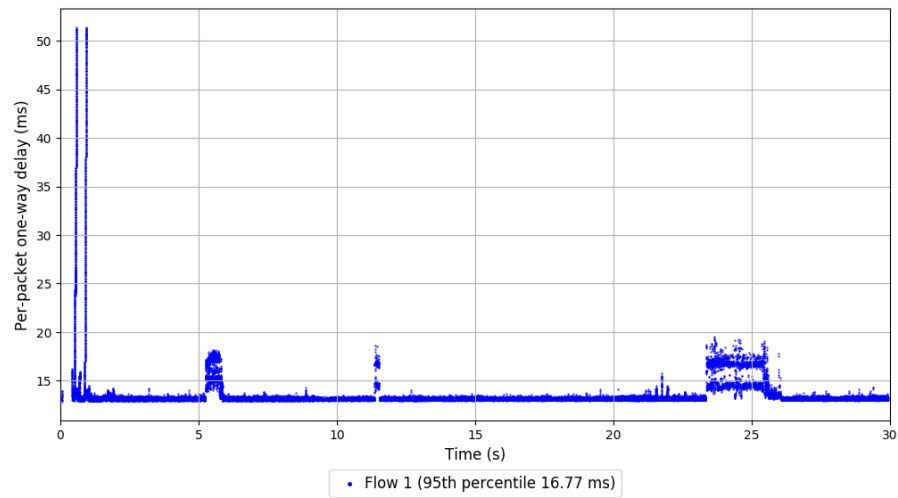
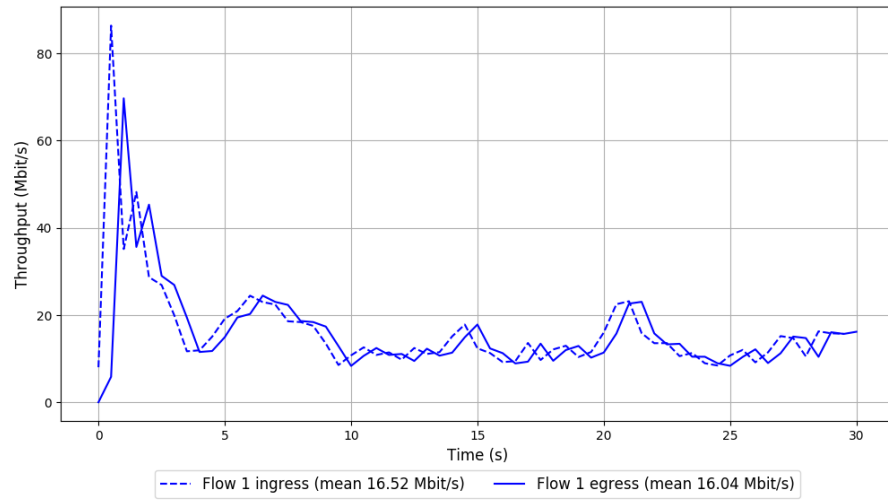
-- Flow 1:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 16.771 ms

Loss rate: 2.90%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 06:54:54

End at: 2018-06-05 06:55:24

Local clock offset: 0.05 ms

Remote clock offset: 7.725 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 1.41%

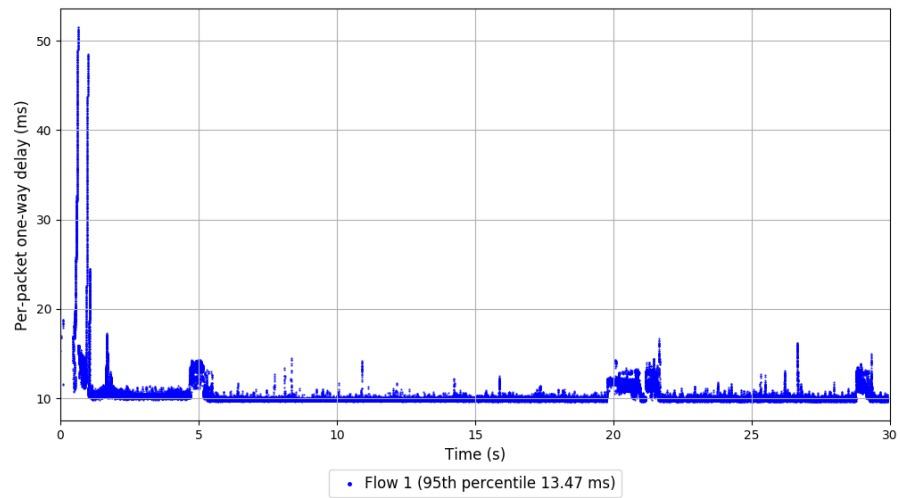
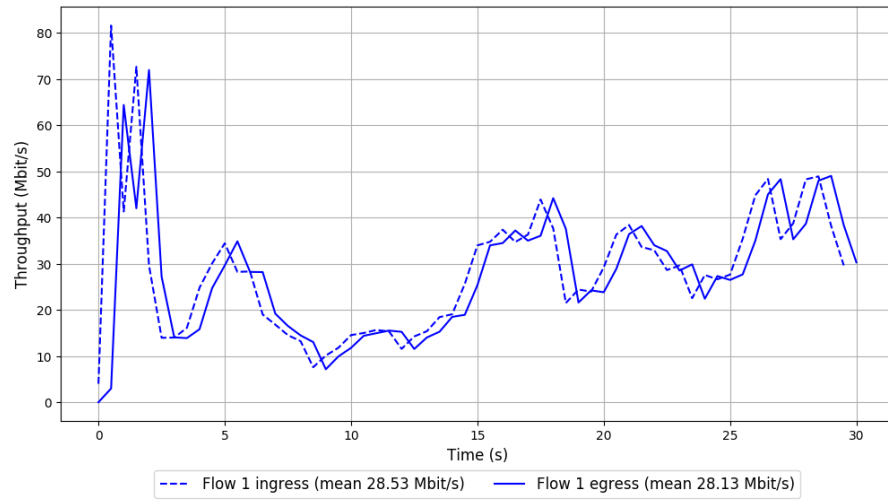
-- Flow 1:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 1.41%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 07:13:14

End at: 2018-06-05 07:13:45

Local clock offset: 2.262 ms

Remote clock offset: 11.377 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.50 Mbit/s

95th percentile per-packet one-way delay: 21.526 ms

Loss rate: 0.88%

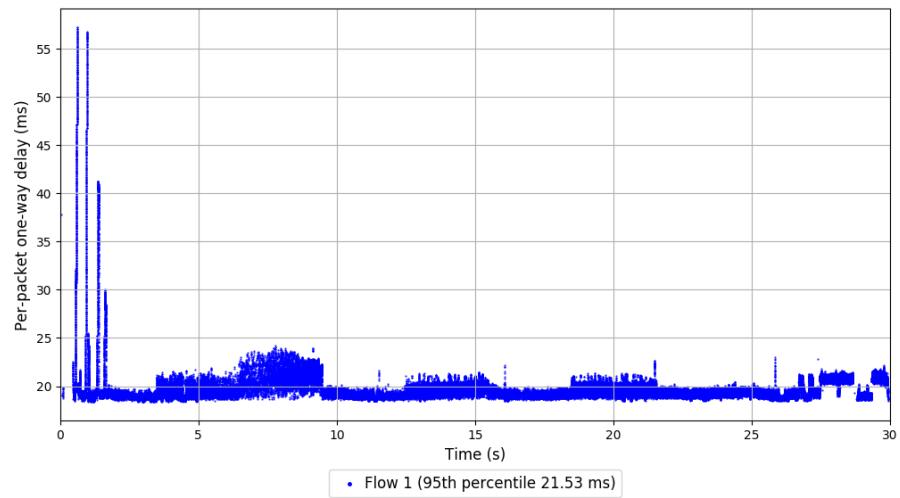
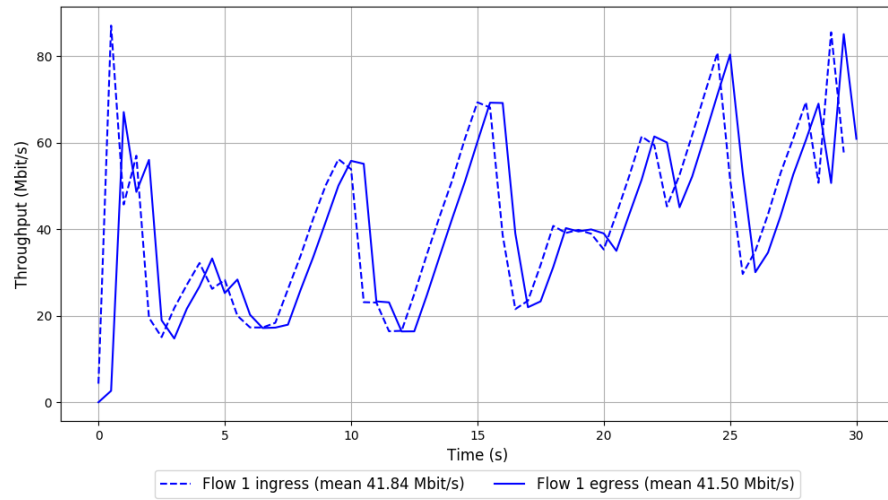
-- Flow 1:

Average throughput: 41.50 Mbit/s

95th percentile per-packet one-way delay: 21.526 ms

Loss rate: 0.88%

Run 10: Report of QUIC Cubic — Data Link

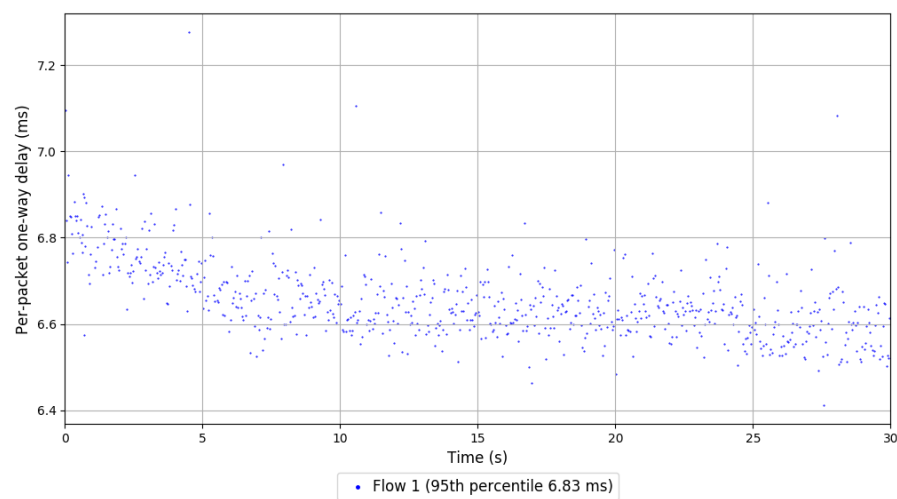
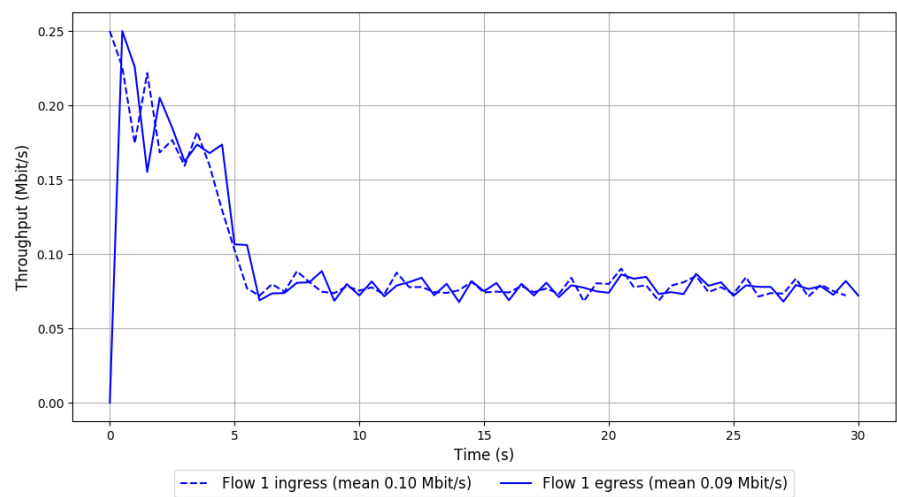


```
Run 1: Statistics of SCReAM

Start at: 2018-06-05 04:35:44
End at: 2018-06-05 04:36:14
Local clock offset: 0.698 ms
Remote clock offset: -7.04 ms

# Below is generated by plot.py at 2018-06-05 07:36:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 6.828 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 6.828 ms
Loss rate: 0.79%
```

Run 1: Report of SReAM — Data Link

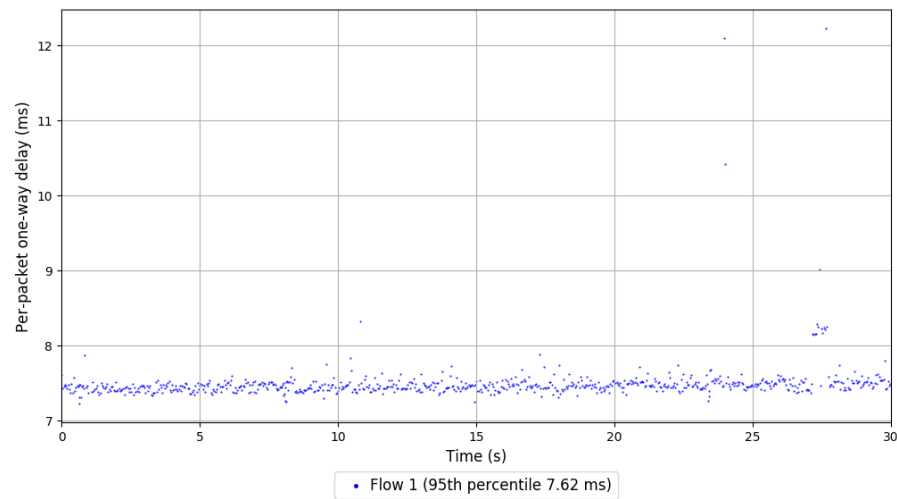
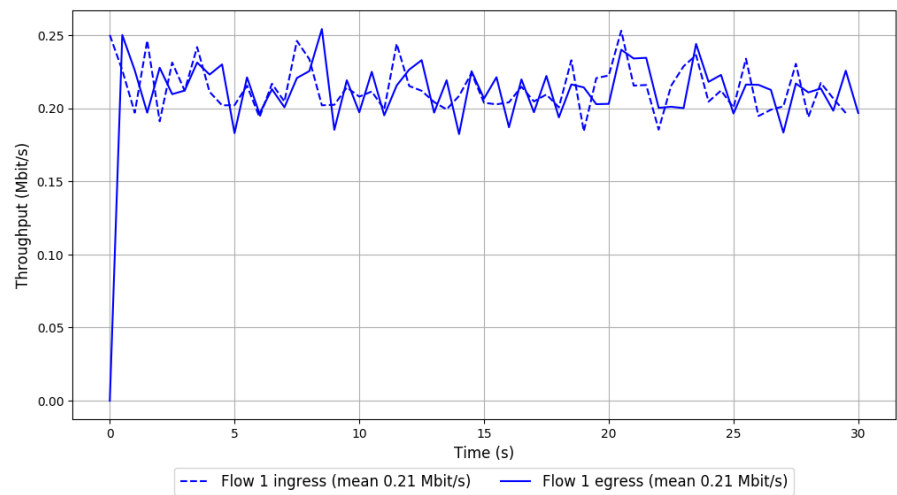


Run 2: Statistics of SCReAM

Start at: 2018-06-05 04:53:56
End at: 2018-06-05 04:54:26
Local clock offset: -0.632 ms
Remote clock offset: -8.942 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.618 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

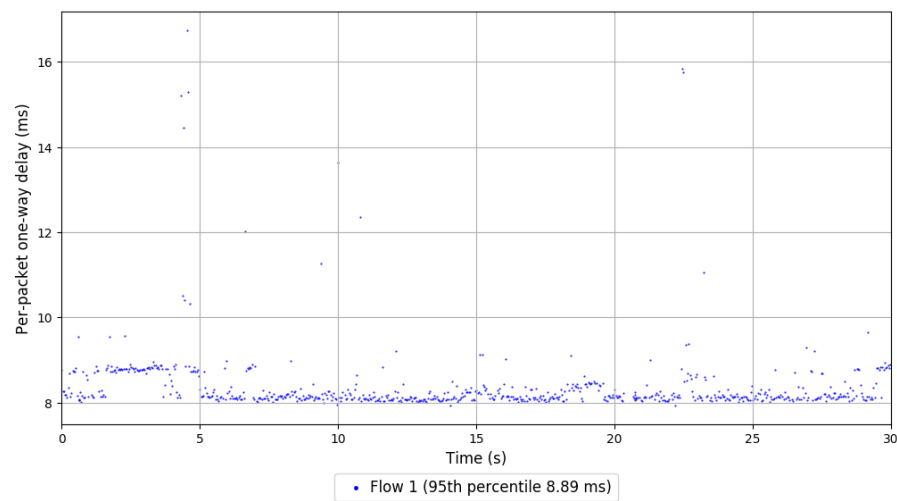
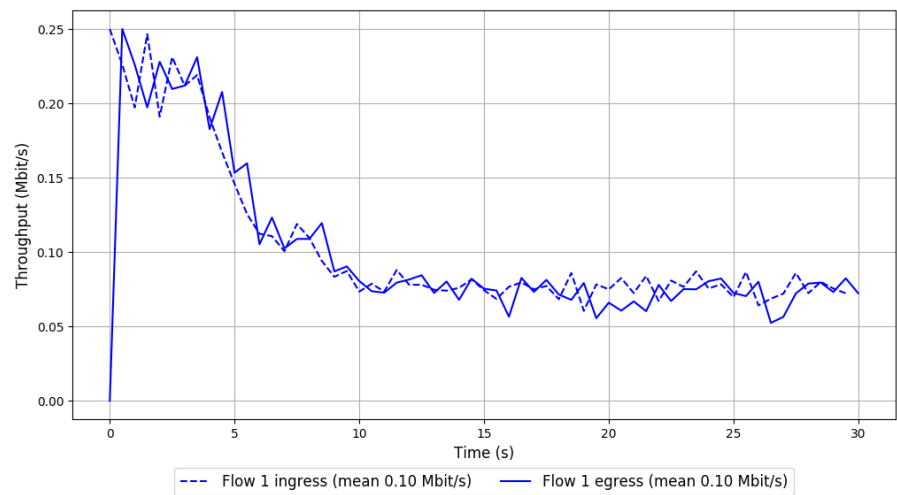


Run 3: Statistics of SCReAM

Start at: 2018-06-05 05:12:16
End at: 2018-06-05 05:12:46
Local clock offset: -2.563 ms
Remote clock offset: -12.266 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.886 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.886 ms
Loss rate: 2.70%

Run 3: Report of SReAM — Data Link

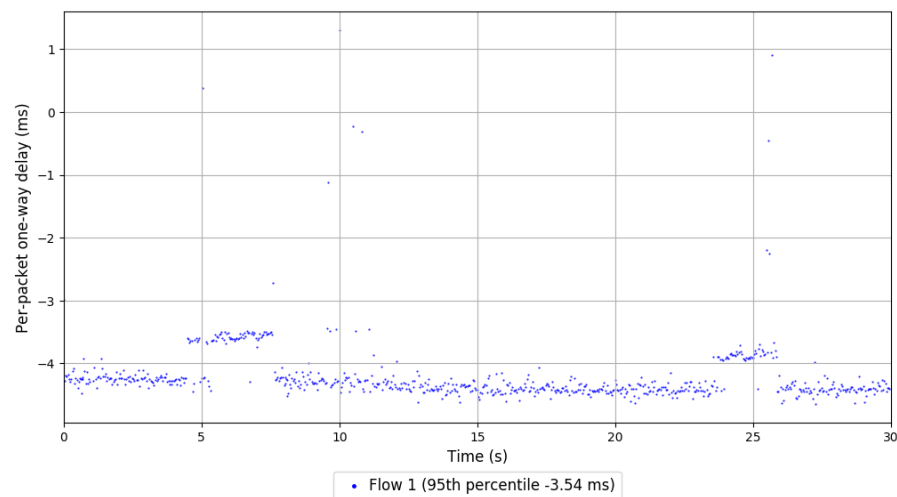
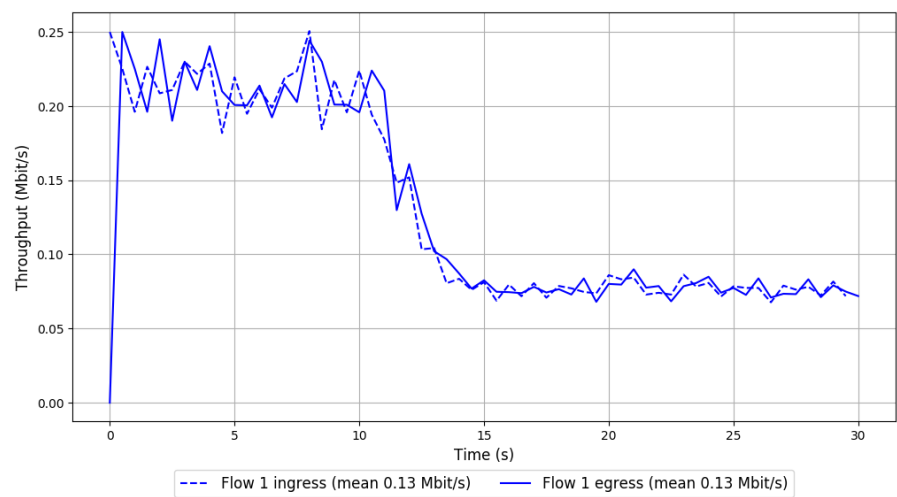


Run 4: Statistics of SCReAM

Start at: 2018-06-05 05:31:02
End at: 2018-06-05 05:31:32
Local clock offset: 0.359 ms
Remote clock offset: -22.463 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: -3.540 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: -3.540 ms
Loss rate: 0.66%

Run 4: Report of SReAM — Data Link

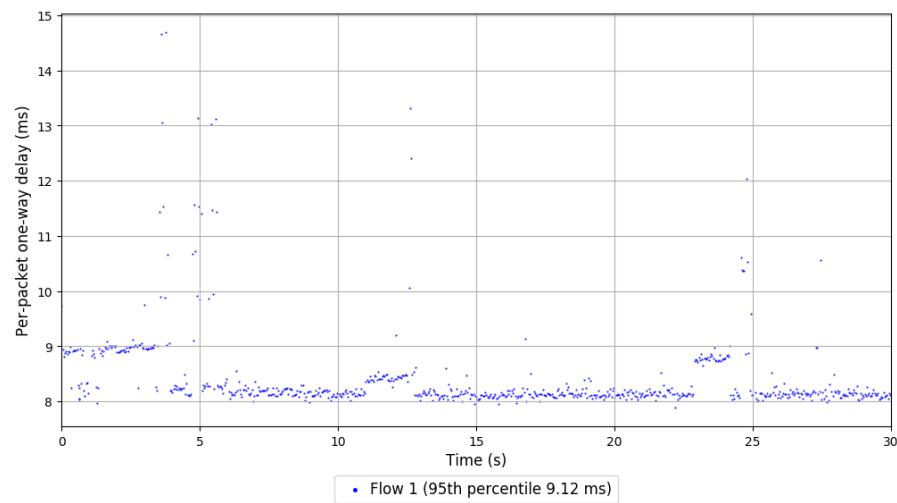
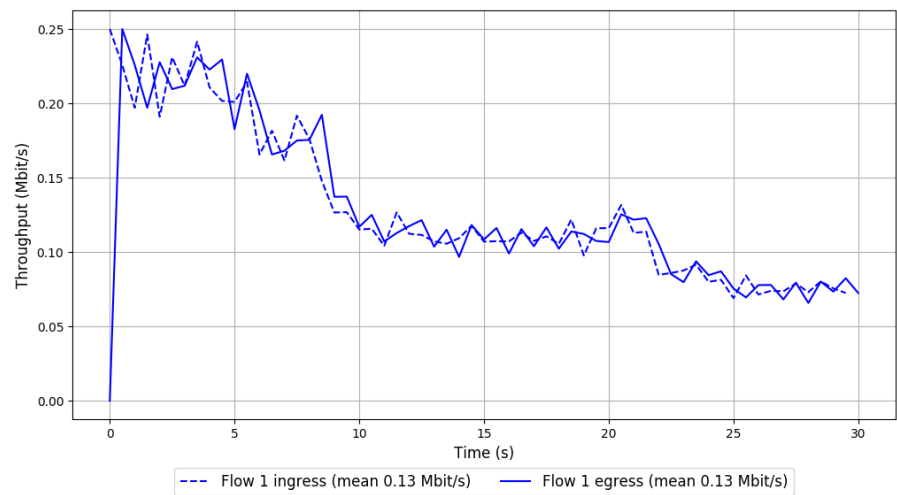


Run 5: Statistics of SCReAM

Start at: 2018-06-05 05:49:28
End at: 2018-06-05 05:49:59
Local clock offset: -1.939 ms
Remote clock offset: -10.321 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.118 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.118 ms
Loss rate: 0.49%

Run 5: Report of SReAM — Data Link

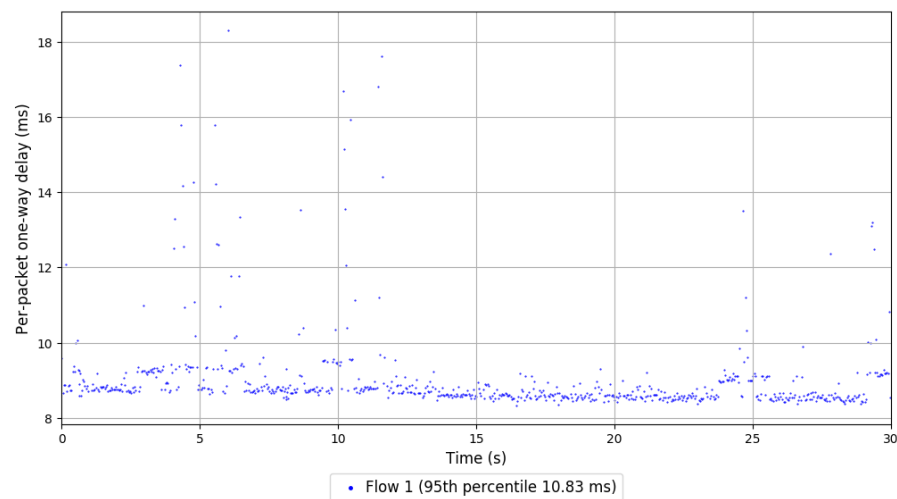
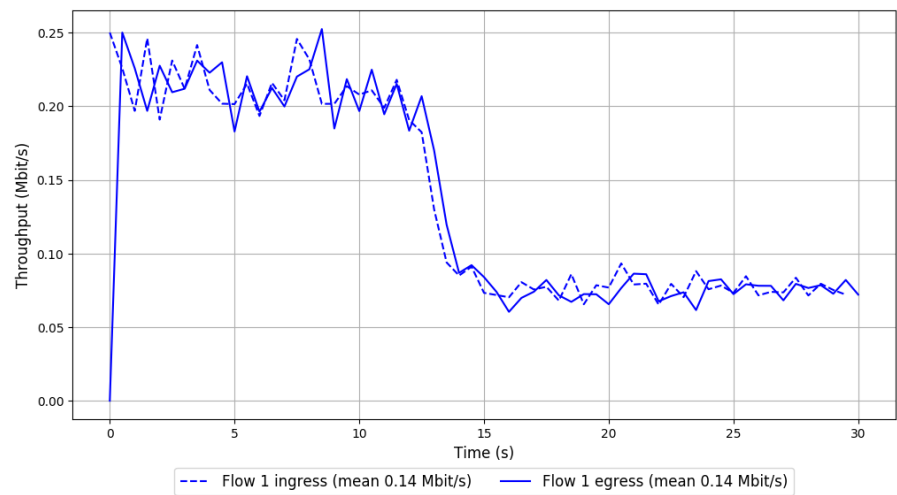


Run 6: Statistics of SCReAM

Start at: 2018-06-05 06:08:27
End at: 2018-06-05 06:08:57
Local clock offset: -1.507 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 10.829 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 10.829 ms
Loss rate: 1.29%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-05 06:27:07

End at: 2018-06-05 06:27:37

Local clock offset: -4.121 ms

Remote clock offset: 1.582 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 13.399 ms

Loss rate: 3.37%

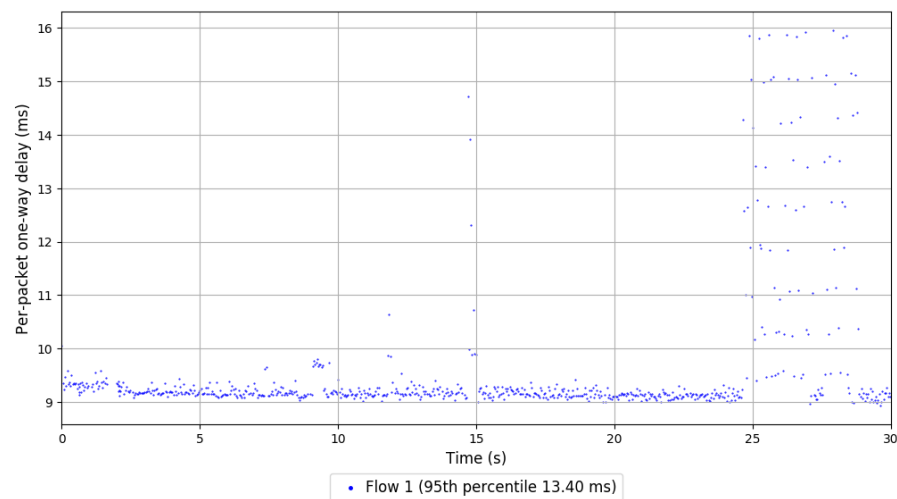
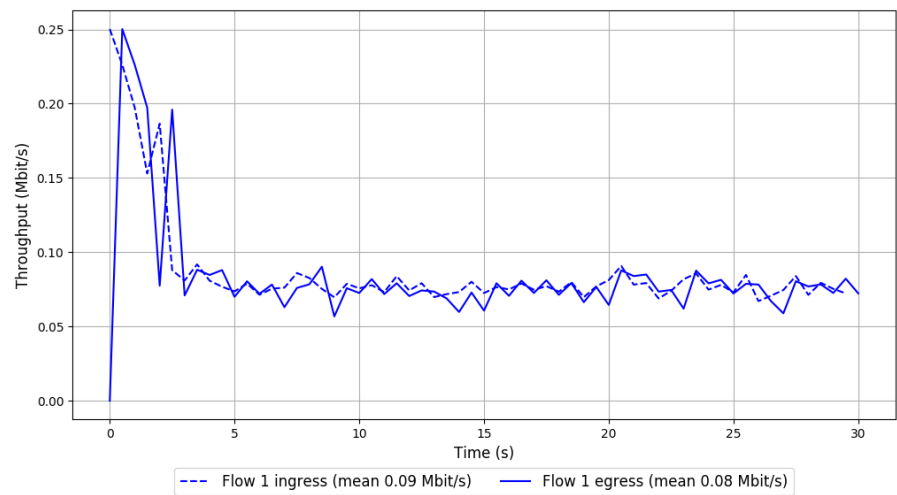
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 13.399 ms

Loss rate: 3.37%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-05 06:45:46

End at: 2018-06-05 06:46:16

Local clock offset: 0.859 ms

Remote clock offset: 9.204 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 11.300 ms

Loss rate: 2.22%

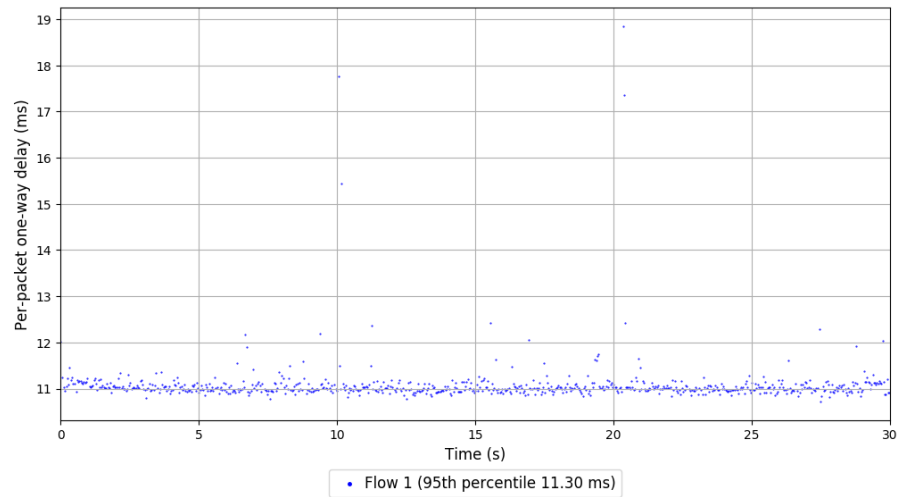
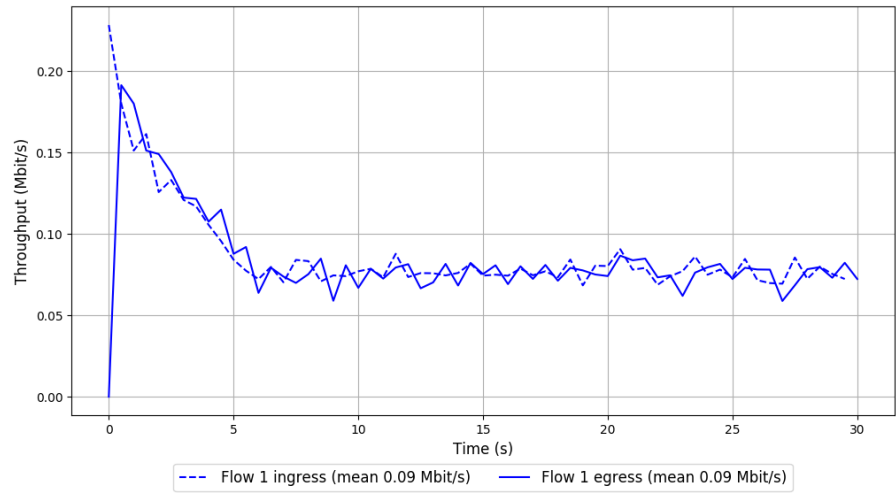
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 11.300 ms

Loss rate: 2.22%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-05 07:04:13

End at: 2018-06-05 07:04:43

Local clock offset: 1.274 ms

Remote clock offset: 5.931 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 13.973 ms

Loss rate: 0.56%

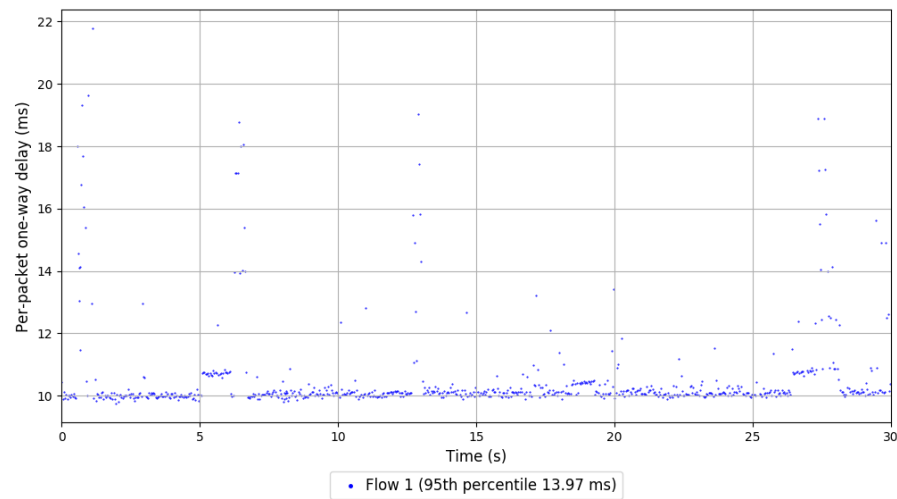
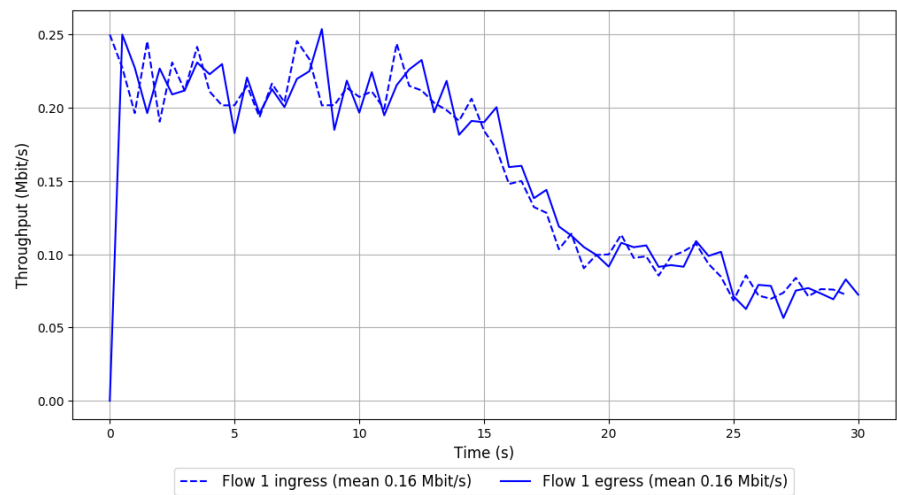
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 13.973 ms

Loss rate: 0.56%

Run 9: Report of SReAM — Data Link

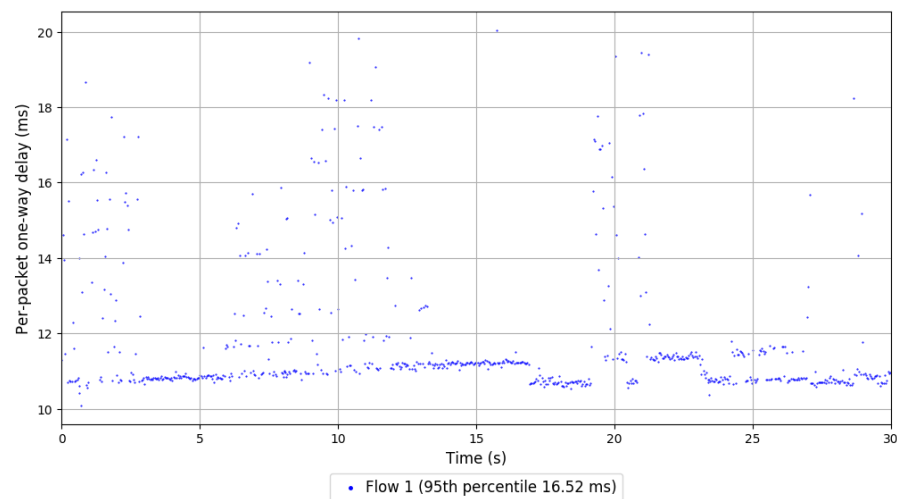
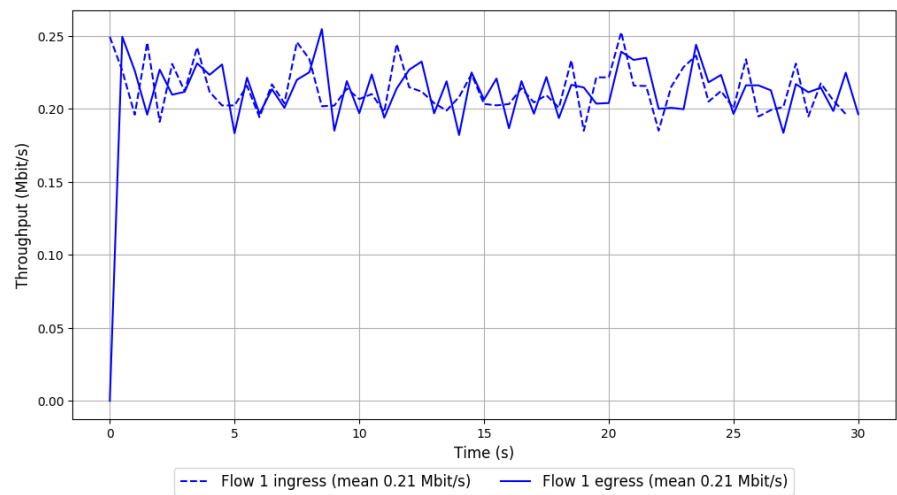


Run 10: Statistics of SReAM

Start at: 2018-06-05 07:22:39
End at: 2018-06-05 07:23:09
Local clock offset: -0.416 ms
Remote clock offset: -1.352 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.524 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-05 04:29:51

End at: 2018-06-05 04:30:21

Local clock offset: 1.418 ms

Remote clock offset: -3.94 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 16.828 ms

Loss rate: 0.76%

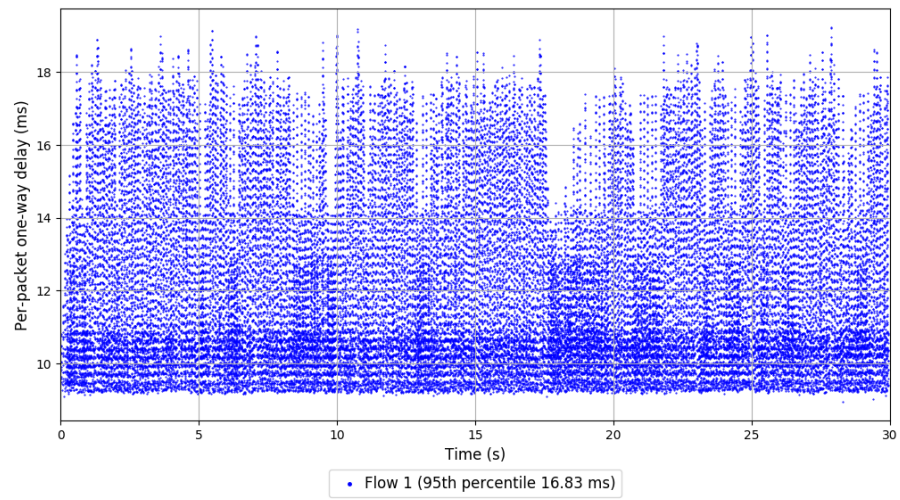
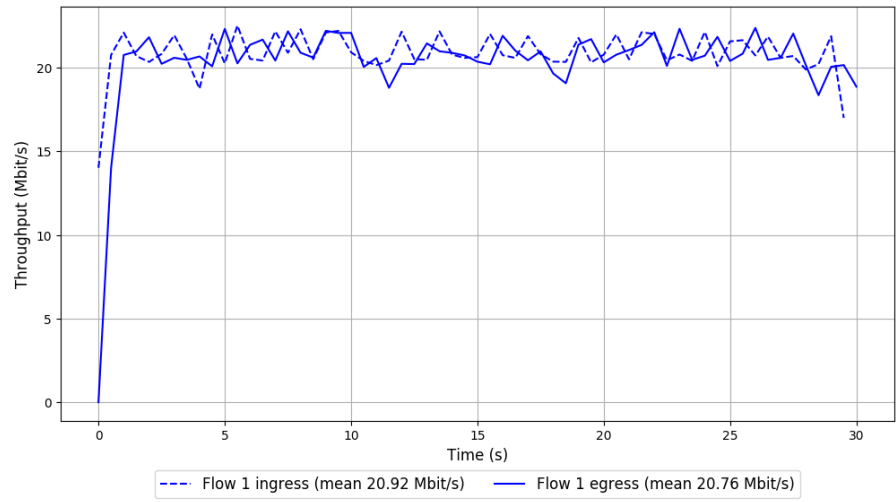
-- Flow 1:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 16.828 ms

Loss rate: 0.76%

Run 1: Report of Sprout — Data Link

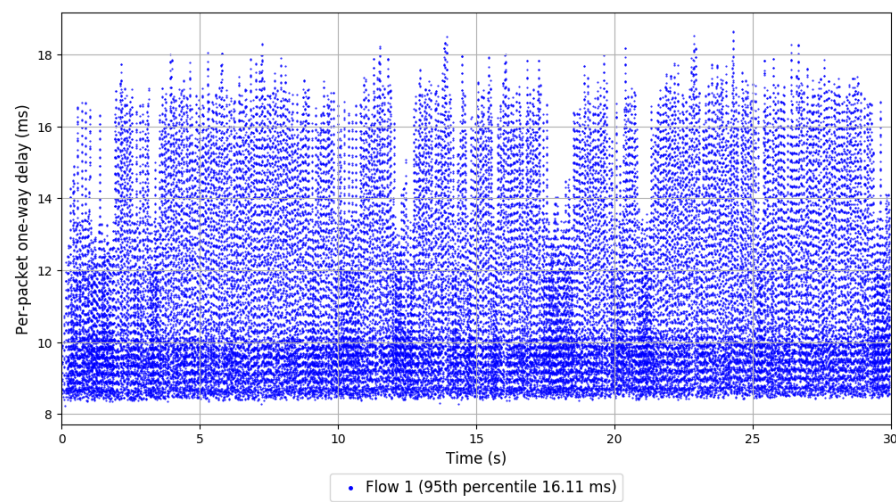
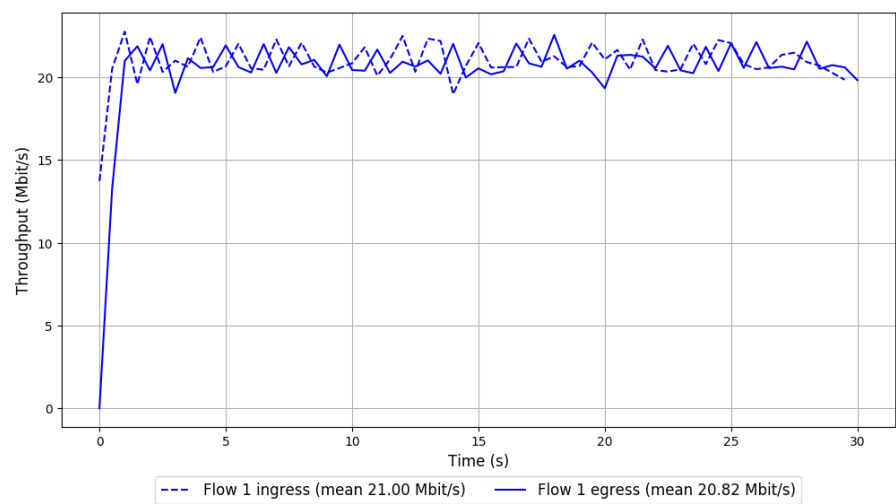


Run 2: Statistics of Sprout

Start at: 2018-06-05 04:48:09
End at: 2018-06-05 04:48:39
Local clock offset: -1.523 ms
Remote clock offset: -7.784 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 16.110 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 16.110 ms
Loss rate: 0.87%

Run 2: Report of Sprout — Data Link

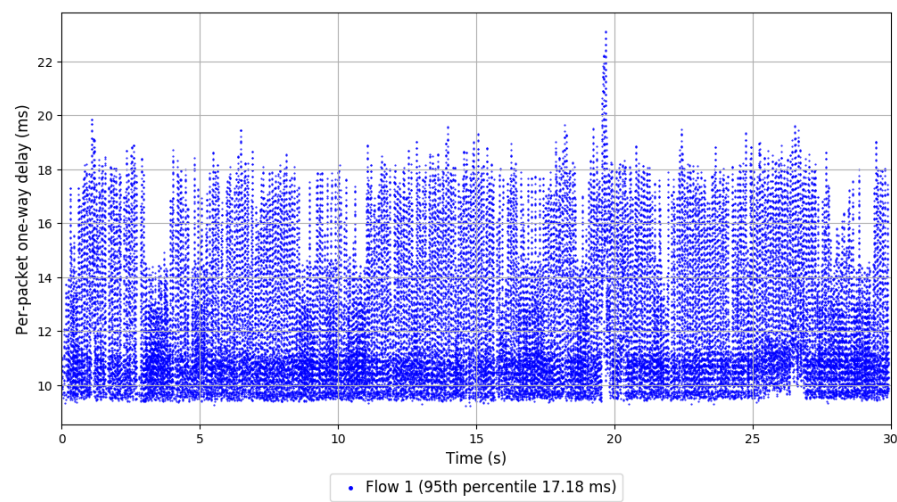
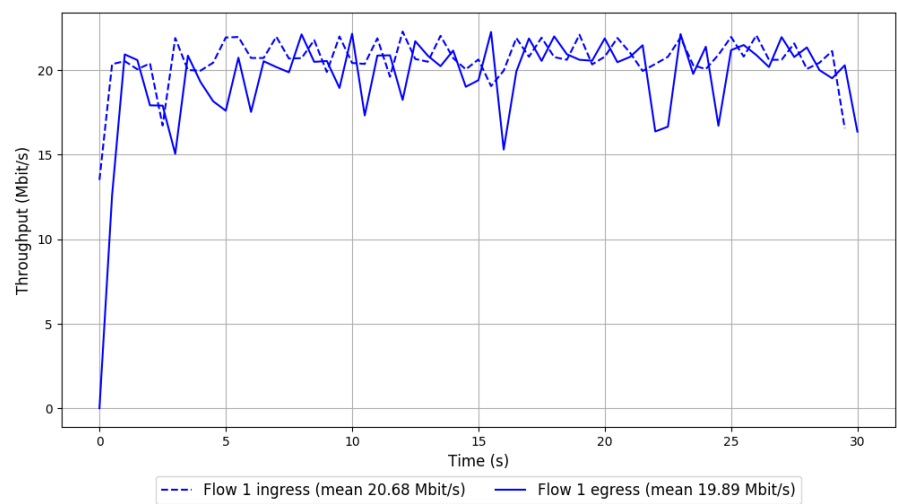


Run 3: Statistics of Sprout

Start at: 2018-06-05 05:06:26
End at: 2018-06-05 05:06:56
Local clock offset: -3.595 ms
Remote clock offset: -11.279 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 17.180 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 17.180 ms
Loss rate: 3.83%

Run 3: Report of Sprout — Data Link

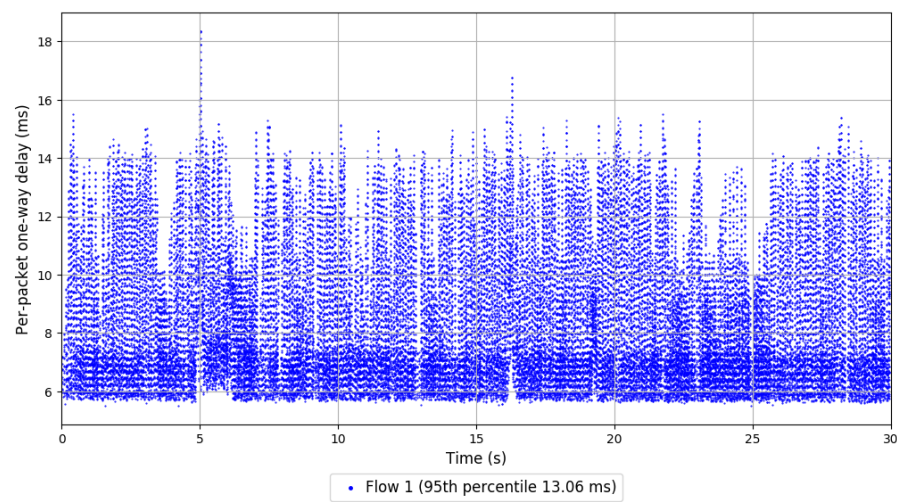
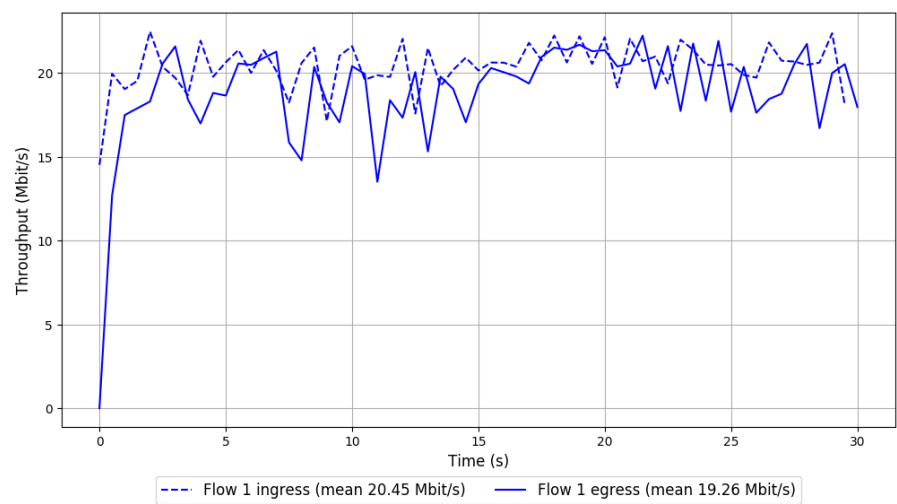


Run 4: Statistics of Sprout

Start at: 2018-06-05 05:24:58
End at: 2018-06-05 05:25:28
Local clock offset: -0.701 ms
Remote clock offset: -11.846 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 13.065 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 13.065 ms
Loss rate: 5.81%

Run 4: Report of Sprout — Data Link

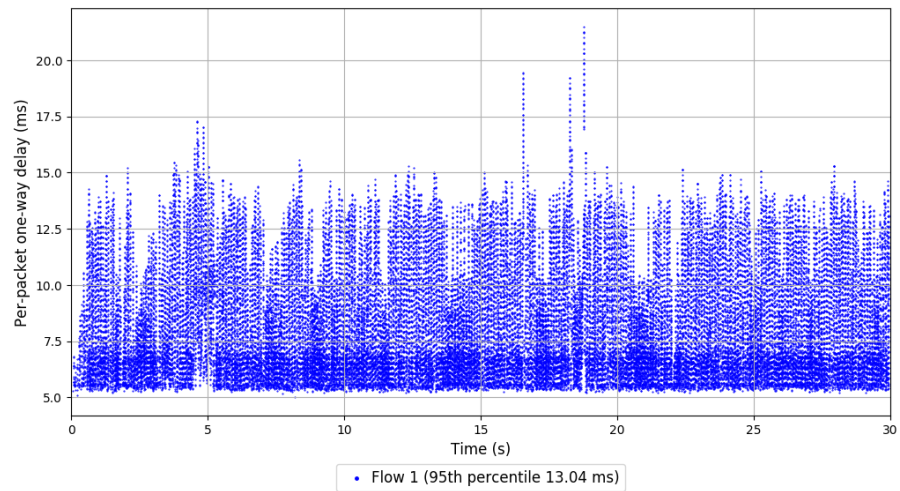
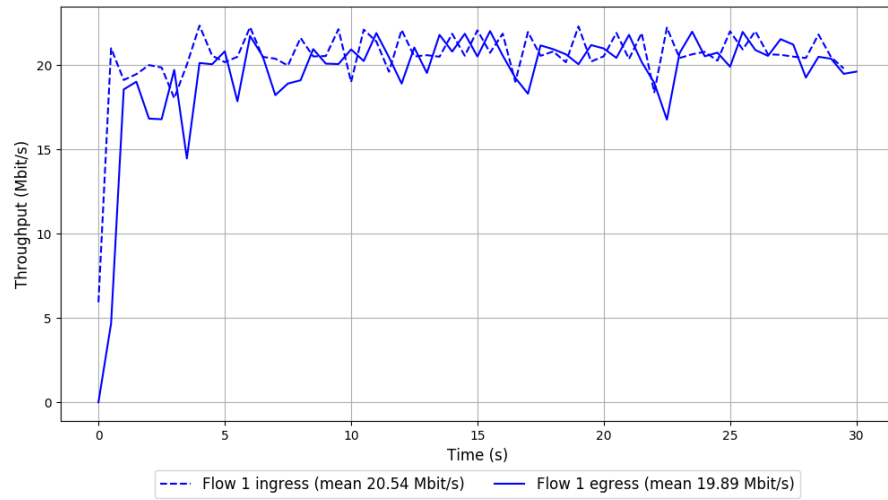


Run 5: Statistics of Sprout

Start at: 2018-06-05 05:43:39
End at: 2018-06-05 05:44:09
Local clock offset: -0.353 ms
Remote clock offset: -11.416 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 13.045 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 13.045 ms
Loss rate: 3.29%

Run 5: Report of Sprout — Data Link

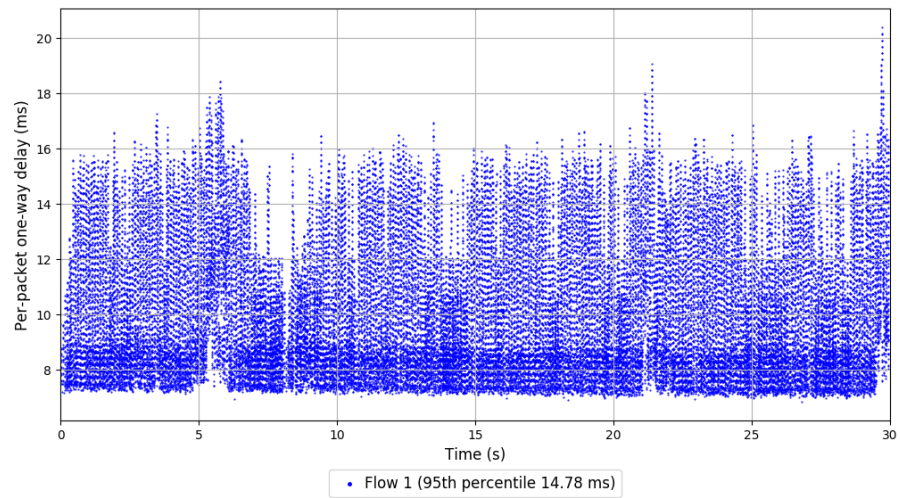
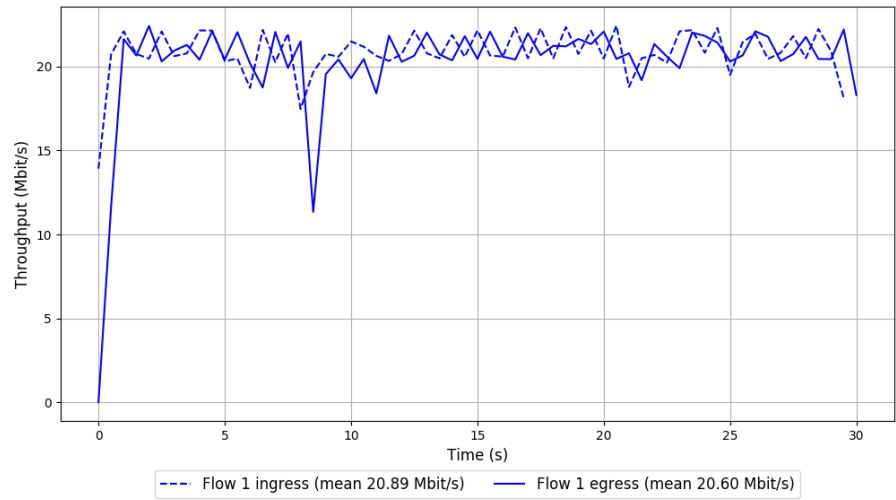


Run 6: Statistics of Sprout

Start at: 2018-06-05 06:02:03
End at: 2018-06-05 06:02:33
Local clock offset: -1.6 ms
Remote clock offset: -3.956 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 14.779 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 14.779 ms
Loss rate: 1.37%

Run 6: Report of Sprout — Data Link

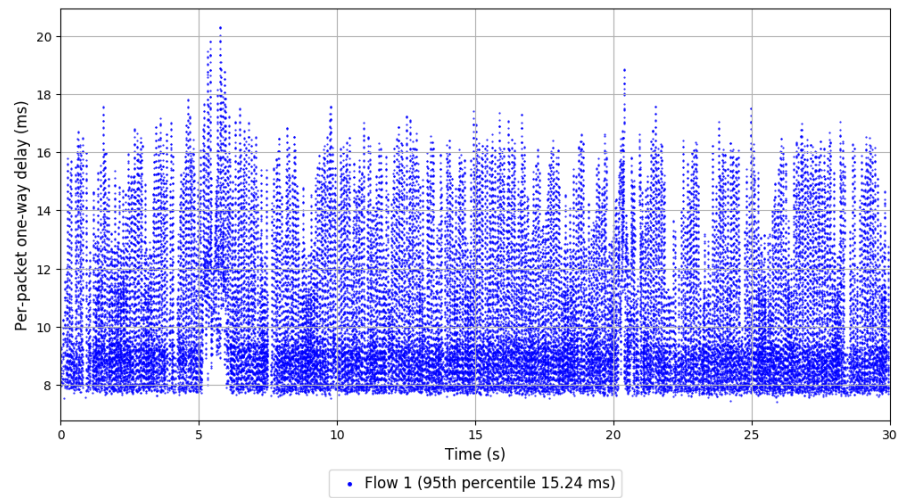
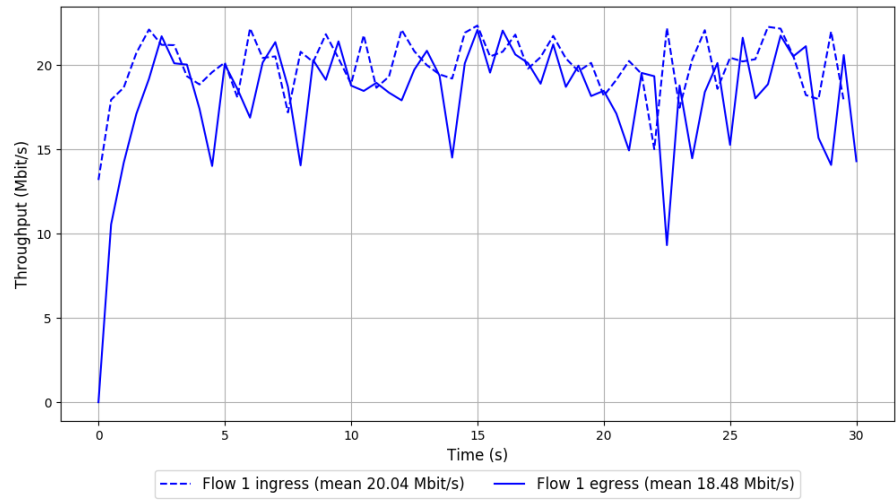


Run 7: Statistics of Sprout

Start at: 2018-06-05 06:21:03
End at: 2018-06-05 06:21:33
Local clock offset: -1.985 ms
Remote clock offset: 1.199 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 15.240 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 15.240 ms
Loss rate: 7.78%

Run 7: Report of Sprout — Data Link

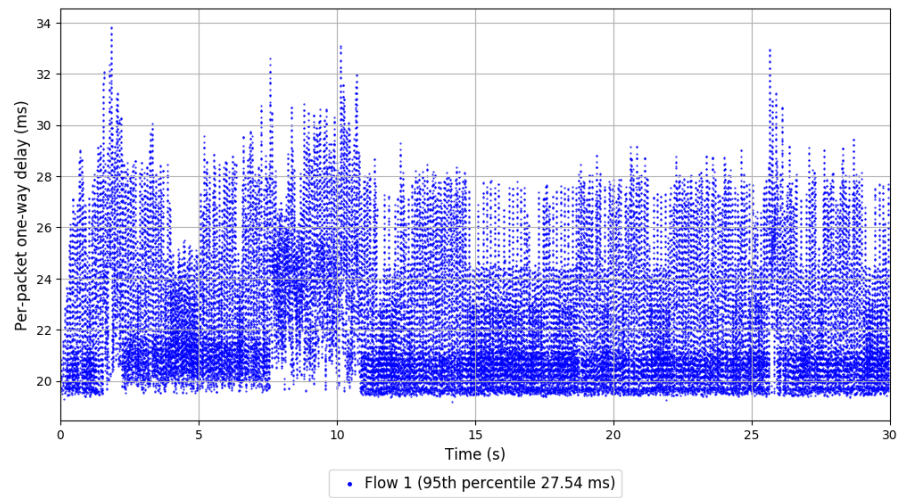
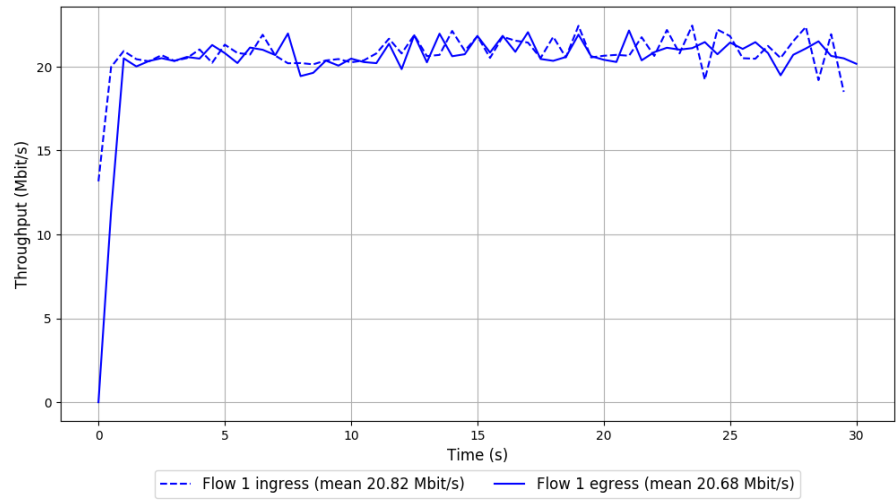


Run 8: Statistics of Sprout

Start at: 2018-06-05 06:39:50
End at: 2018-06-05 06:40:20
Local clock offset: -0.658 ms
Remote clock offset: 16.031 ms

Below is generated by plot.py at 2018-06-05 07:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 27.540 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 27.540 ms
Loss rate: 0.70%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-05 06:58:26

End at: 2018-06-05 06:58:56

Local clock offset: -0.095 ms

Remote clock offset: 8.808 ms

Below is generated by plot.py at 2018-06-05 07:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 18.377 ms

Loss rate: 0.83%

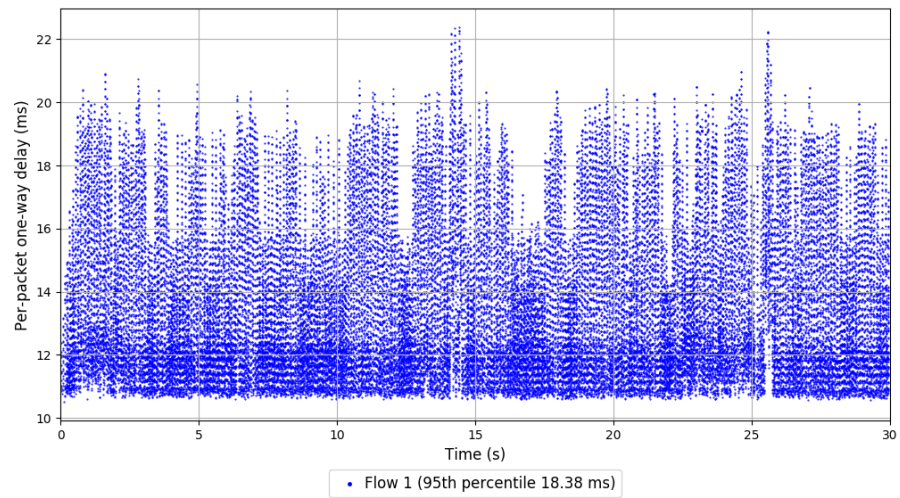
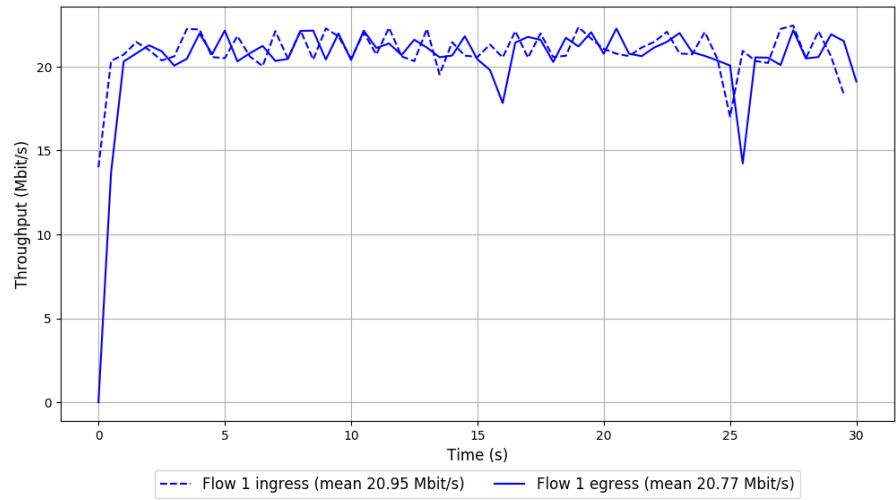
-- Flow 1:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 18.377 ms

Loss rate: 0.83%

Run 9: Report of Sprout — Data Link

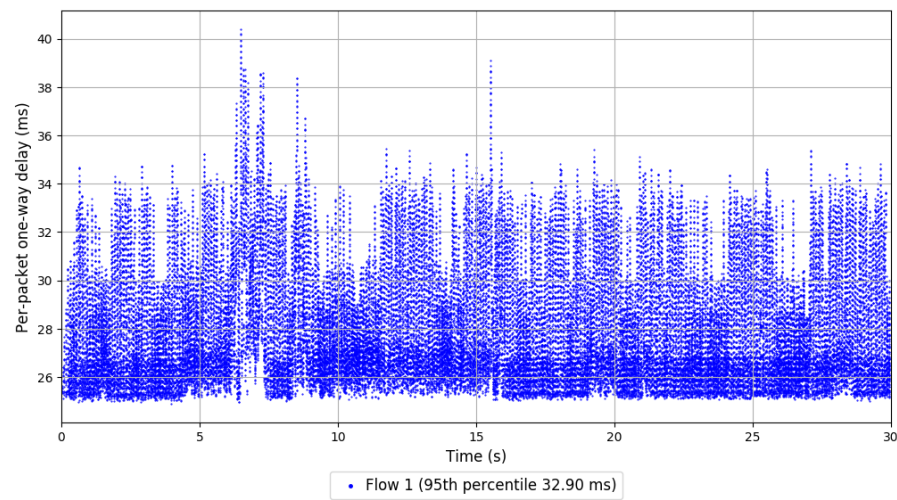
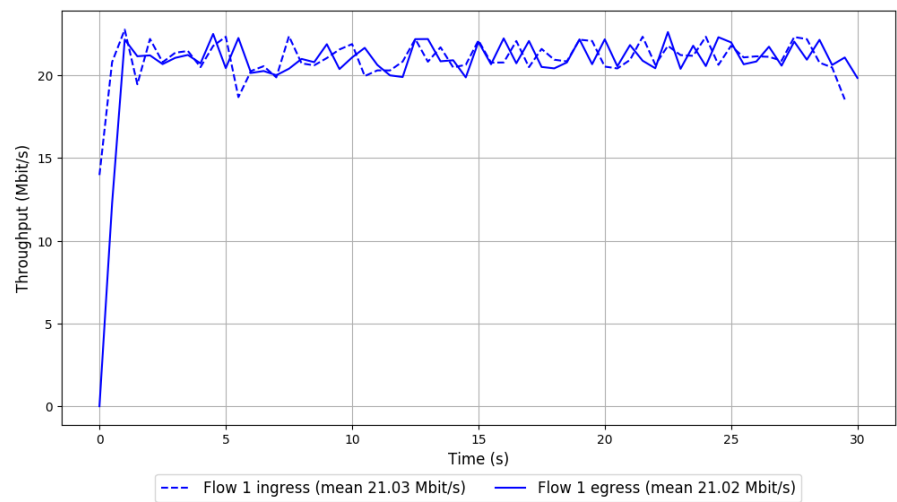


Run 10: Statistics of Sprout

Start at: 2018-06-05 07:16:41
End at: 2018-06-05 07:17:11
Local clock offset: 0.038 ms
Remote clock offset: 14.804 ms

Below is generated by plot.py at 2018-06-05 07:36:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 32.897 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 32.897 ms
Loss rate: 0.02%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 04:34:28

End at: 2018-06-05 04:34:58

Local clock offset: -0.739 ms

Remote clock offset: -7.231 ms

Below is generated by plot.py at 2018-06-05 07:38:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 9.704 ms

Loss rate: 6.96%

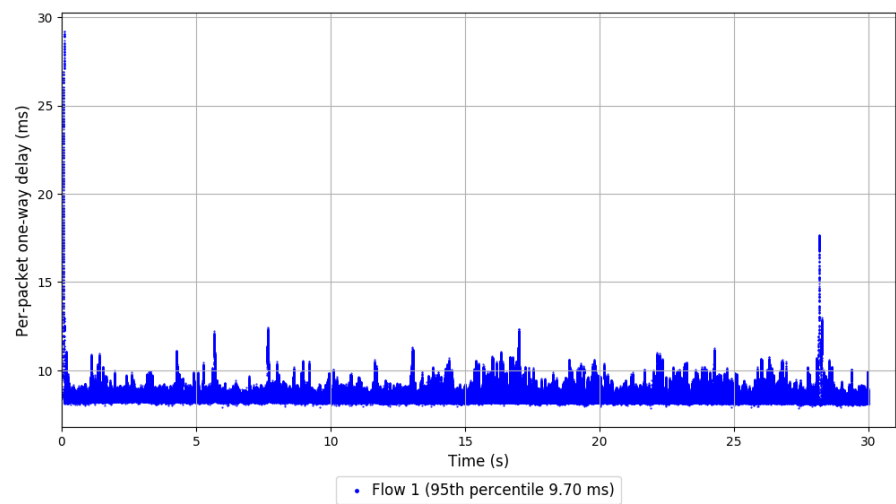
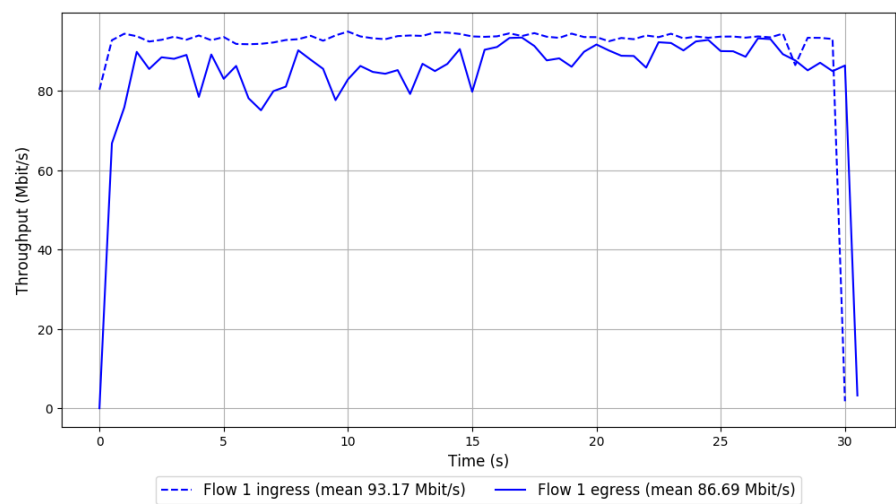
-- Flow 1:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 9.704 ms

Loss rate: 6.96%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 04:52:44

End at: 2018-06-05 04:53:14

Local clock offset: 0.08 ms

Remote clock offset: -9.629 ms

Below is generated by plot.py at 2018-06-05 07:38:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.47 Mbit/s

95th percentile per-packet one-way delay: 7.426 ms

Loss rate: 8.99%

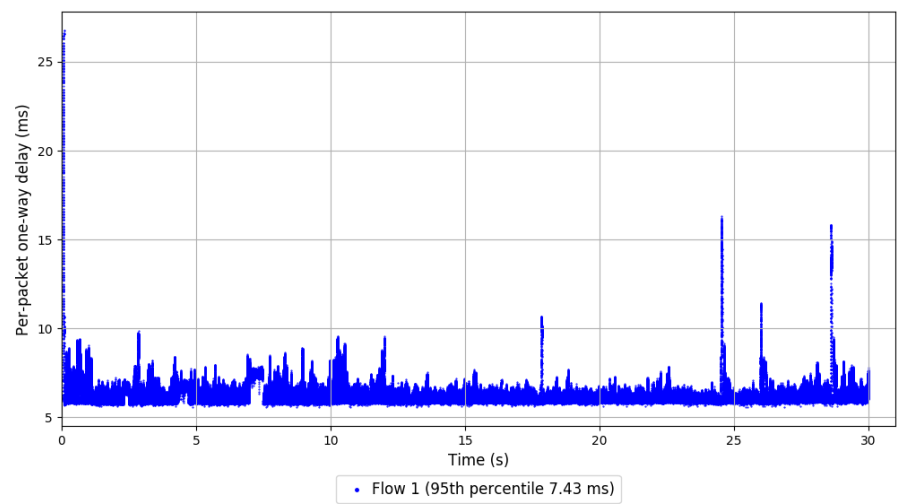
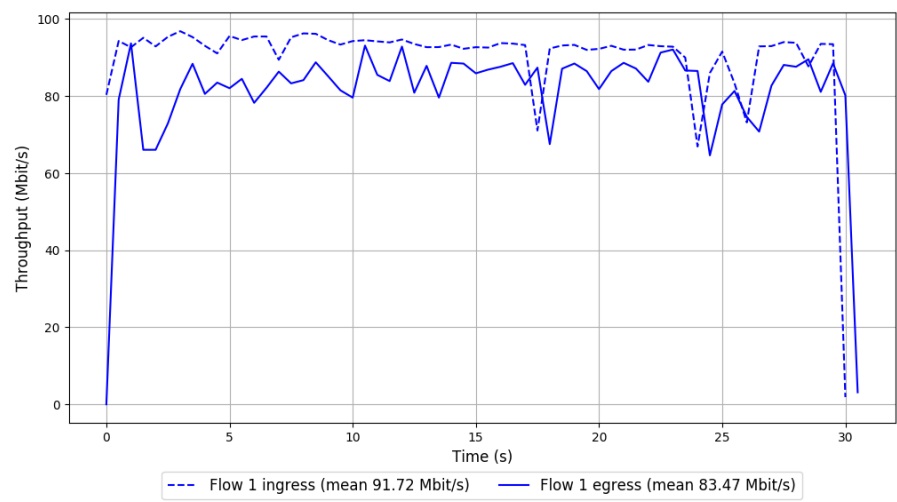
-- Flow 1:

Average throughput: 83.47 Mbit/s

95th percentile per-packet one-way delay: 7.426 ms

Loss rate: 8.99%

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

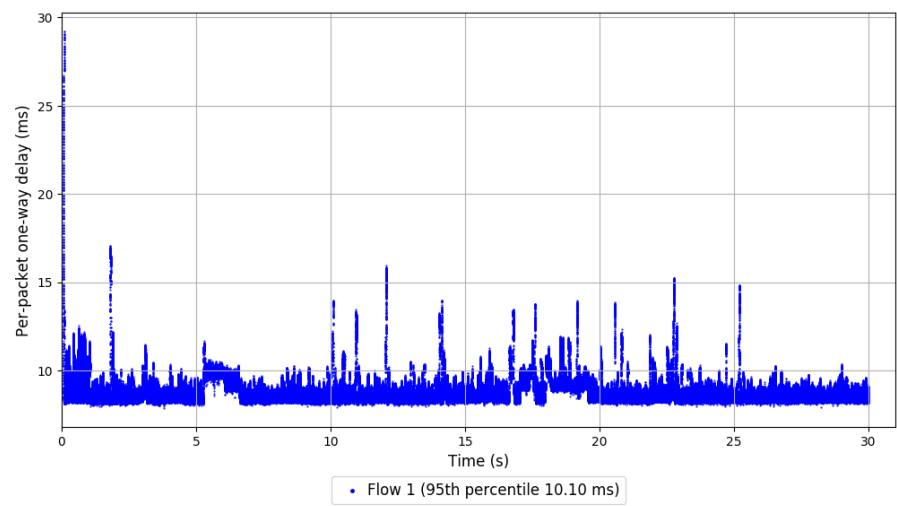
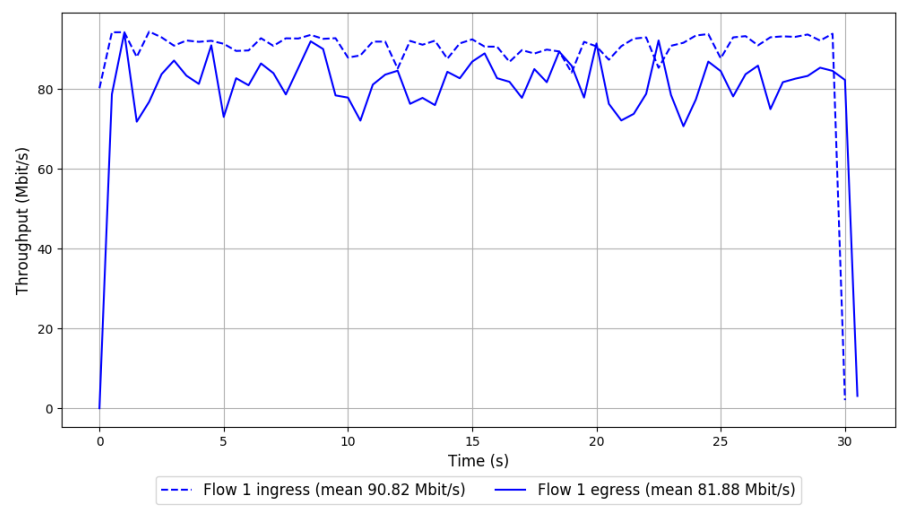


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 05:11:03
End at: 2018-06-05 05:11:33
Local clock offset: -2.372 ms
Remote clock offset: -11.917 ms

Below is generated by plot.py at 2018-06-05 07:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 10.104 ms
Loss rate: 9.84%
-- Flow 1:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 10.104 ms
Loss rate: 9.84%

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

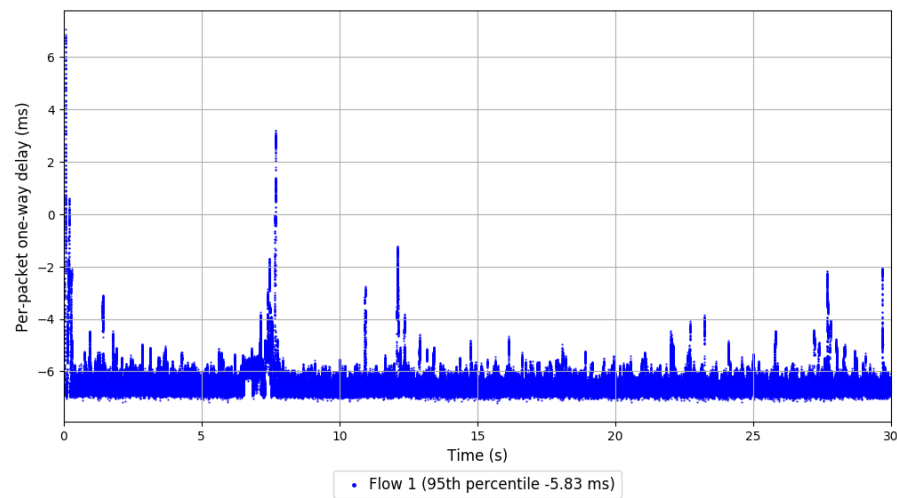
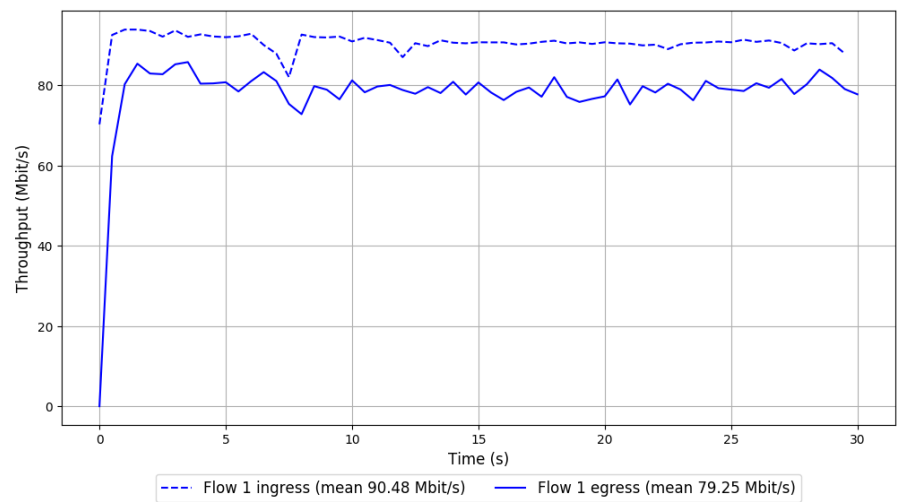


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 05:29:50
End at: 2018-06-05 05:30:20
Local clock offset: -6.513 ms
Remote clock offset: -29.747 ms

Below is generated by plot.py at 2018-06-05 07:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: -5.826 ms
Loss rate: 12.41%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: -5.826 ms
Loss rate: 12.41%

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

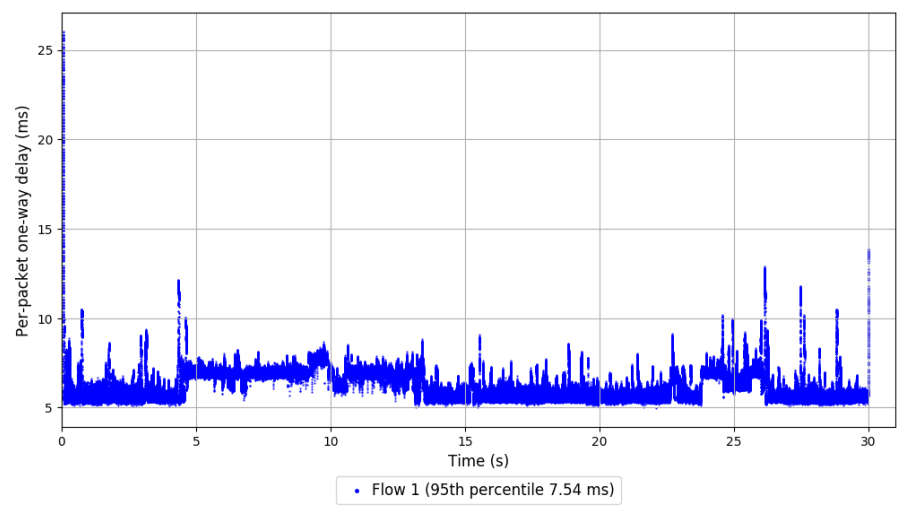
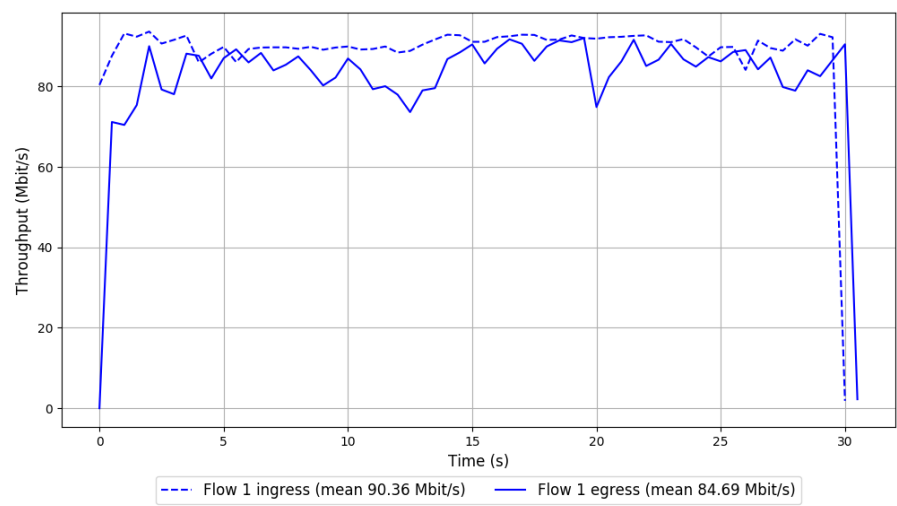


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 05:48:15
End at: 2018-06-05 05:48:45
Local clock offset: 0.467 ms
Remote clock offset: -10.708 ms

Below is generated by plot.py at 2018-06-05 07:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 7.544 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 7.544 ms
Loss rate: 6.28%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 06:06:51

End at: 2018-06-05 06:07:21

Local clock offset: -1.538 ms

Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-06-05 07:38:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.00 Mbit/s

95th percentile per-packet one-way delay: 10.065 ms

Loss rate: 12.18%

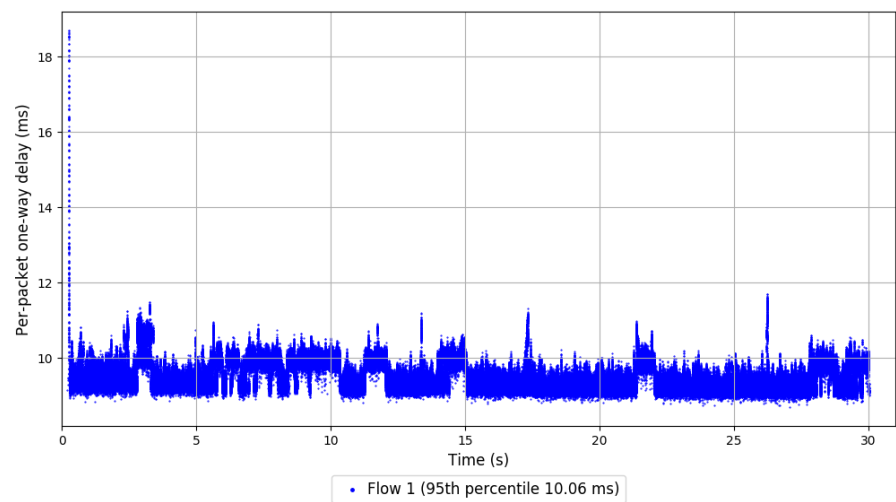
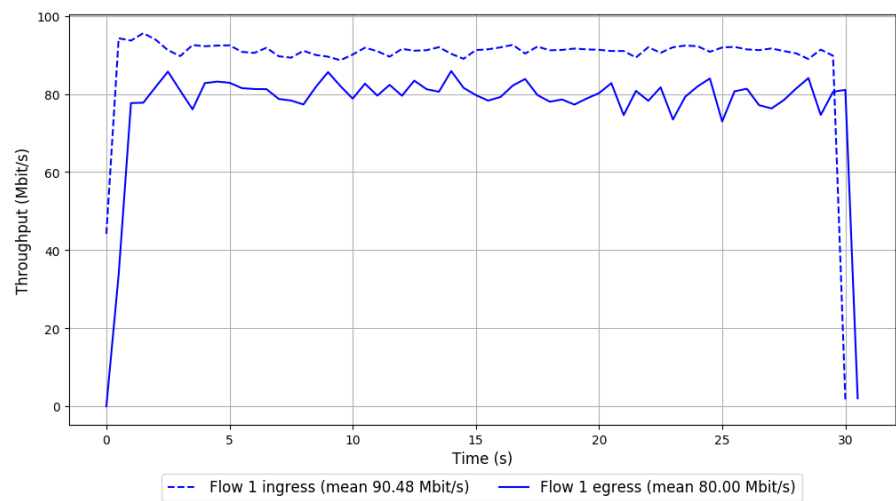
-- Flow 1:

Average throughput: 80.00 Mbit/s

95th percentile per-packet one-way delay: 10.065 ms

Loss rate: 12.18%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 06:25:46

End at: 2018-06-05 06:26:16

Local clock offset: -2.937 ms

Remote clock offset: 7.126 ms

Below is generated by plot.py at 2018-06-05 07:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 14.981 ms

Loss rate: 13.85%

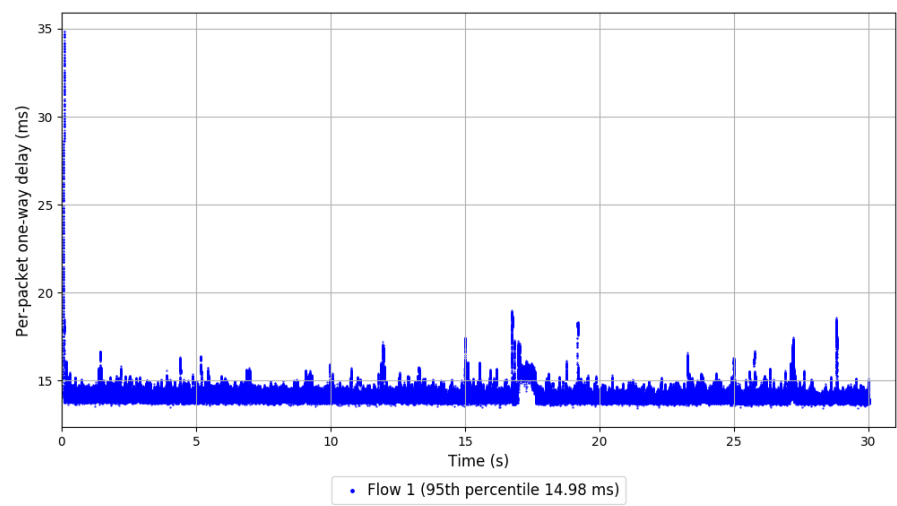
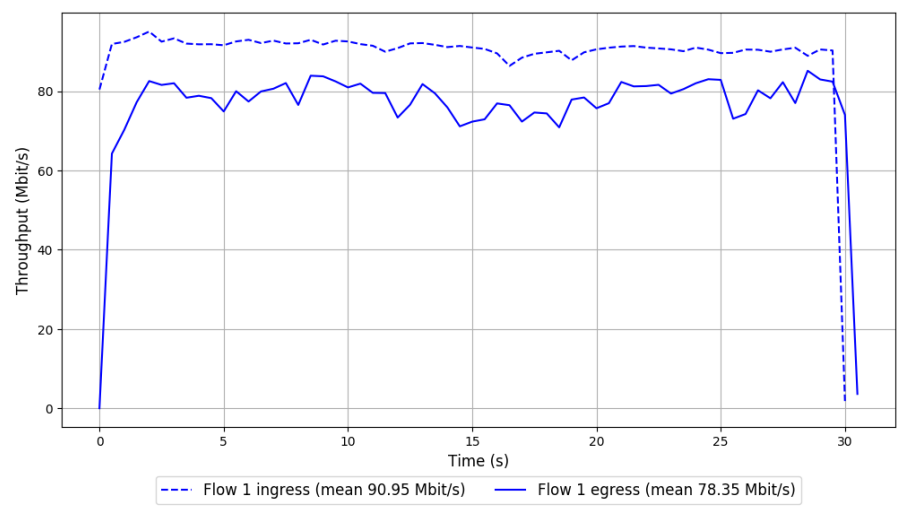
-- Flow 1:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 14.981 ms

Loss rate: 13.85%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 06:44:28

End at: 2018-06-05 06:44:59

Local clock offset: 0.613 ms

Remote clock offset: 10.198 ms

Below is generated by plot.py at 2018-06-05 07:38:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 13.912 ms

Loss rate: 9.30%

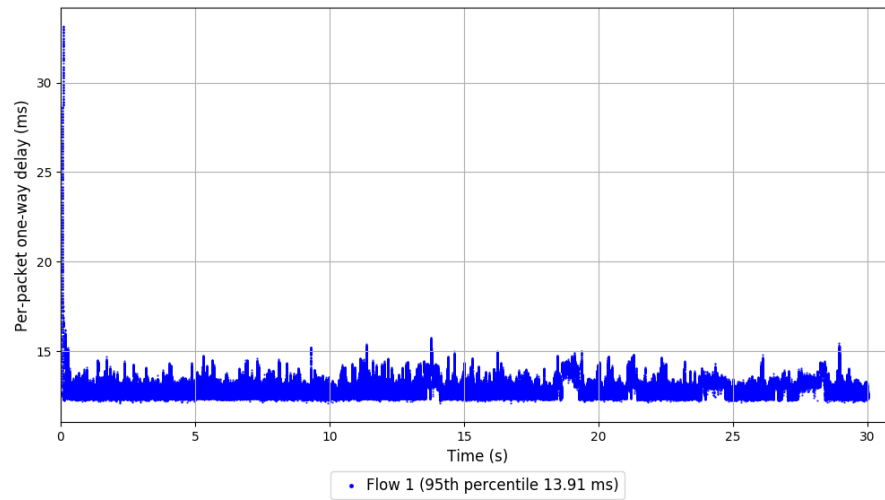
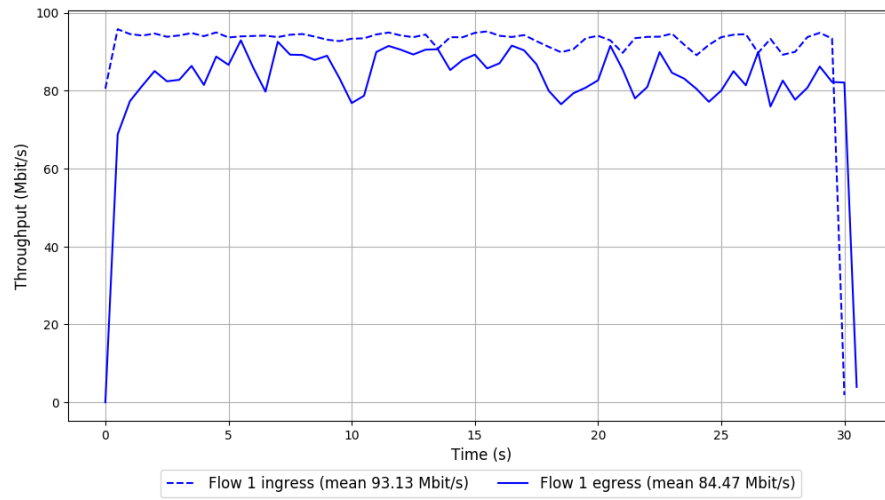
-- Flow 1:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 13.912 ms

Loss rate: 9.30%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 07:02:59

End at: 2018-06-05 07:03:29

Local clock offset: -1.836 ms

Remote clock offset: 7.648 ms

Below is generated by plot.py at 2018-06-05 07:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 14.904 ms

Loss rate: 10.93%

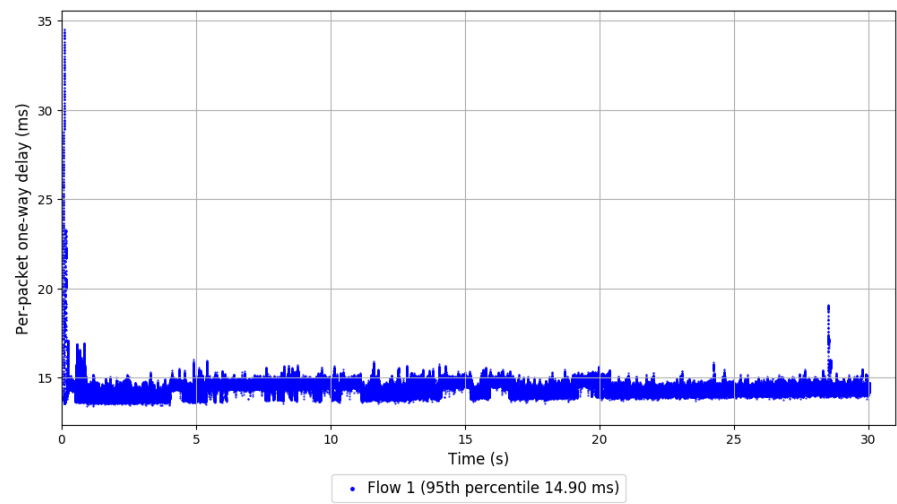
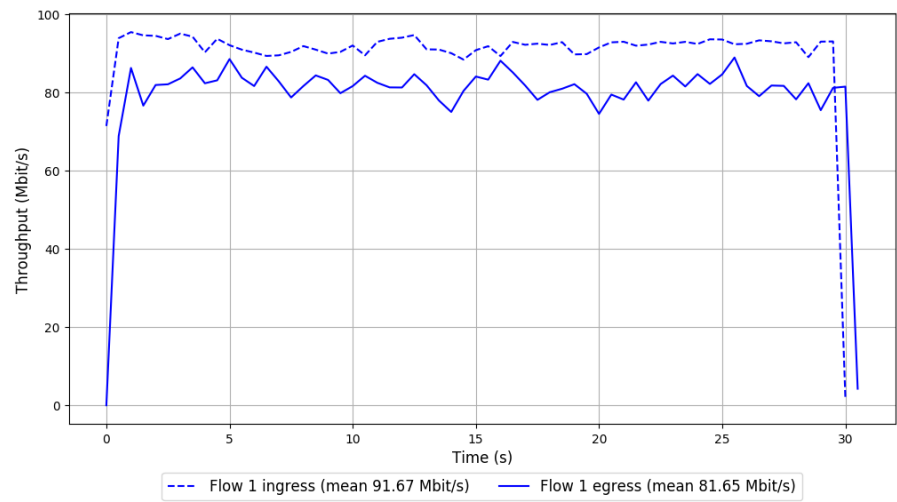
-- Flow 1:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 14.904 ms

Loss rate: 10.93%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 07:21:25

End at: 2018-06-05 07:21:55

Local clock offset: -2.147 ms

Remote clock offset: 8.099 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 23.240 ms

Loss rate: 5.88%

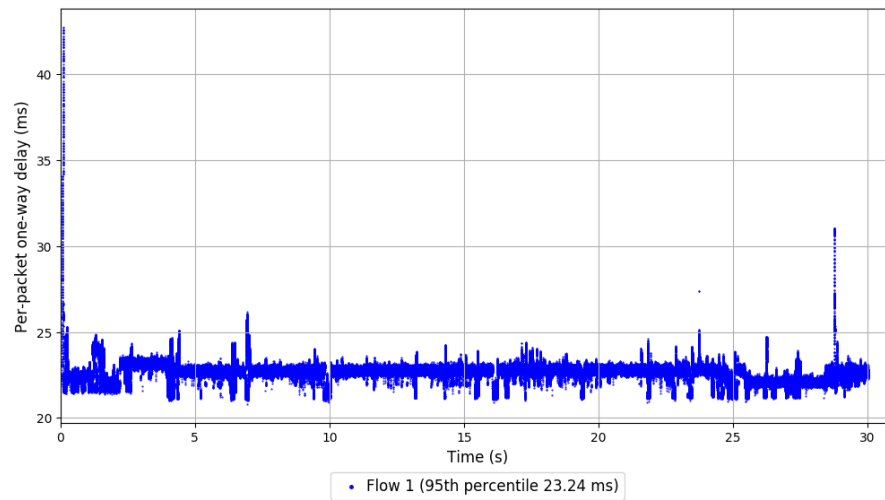
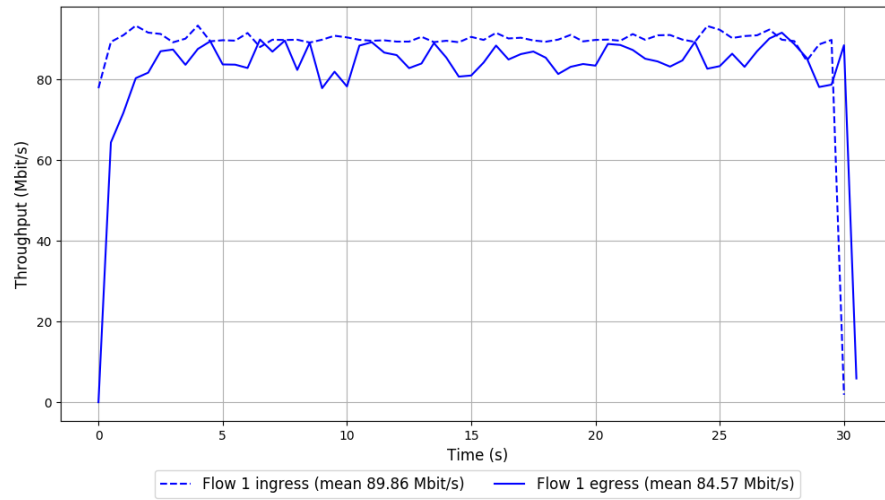
-- Flow 1:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 23.240 ms

Loss rate: 5.88%

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

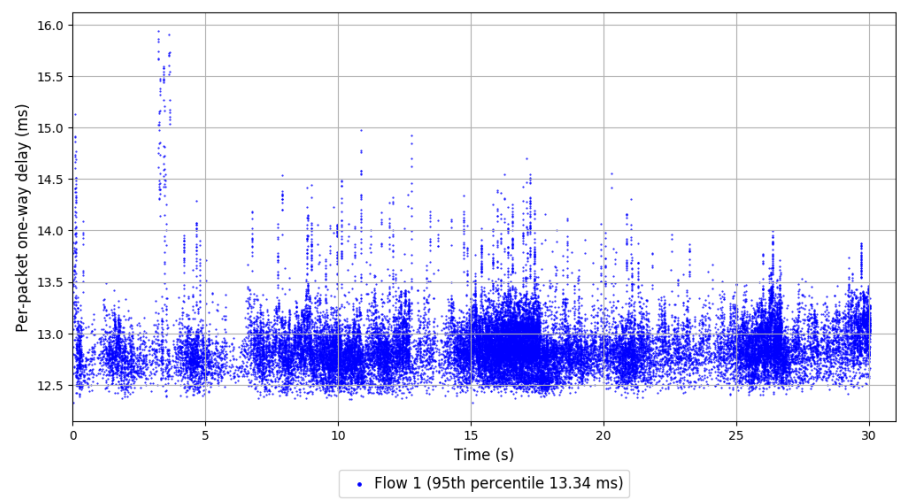
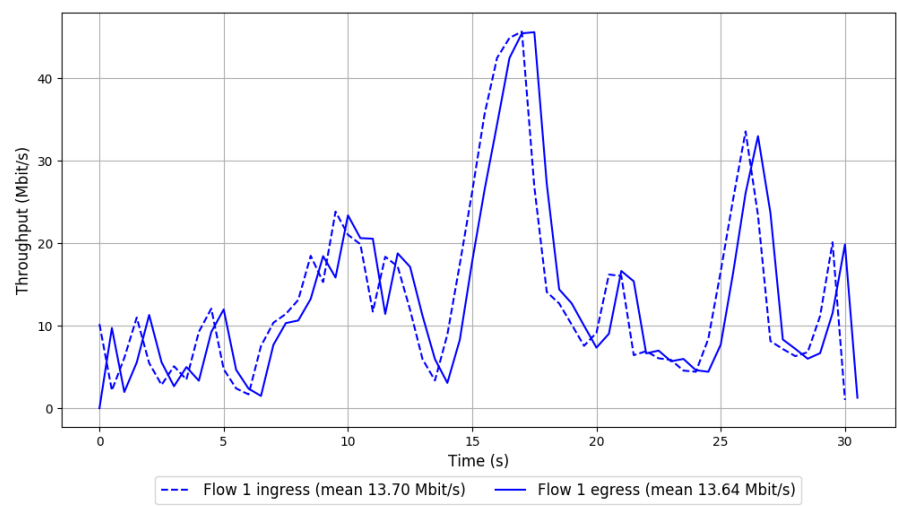


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 04:18:09
End at: 2018-06-05 04:18:39
Local clock offset: -1.088 ms
Remote clock offset: -3.459 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 13.344 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 13.344 ms
Loss rate: 0.47%

Run 1: Report of TCP Vegas — Data Link

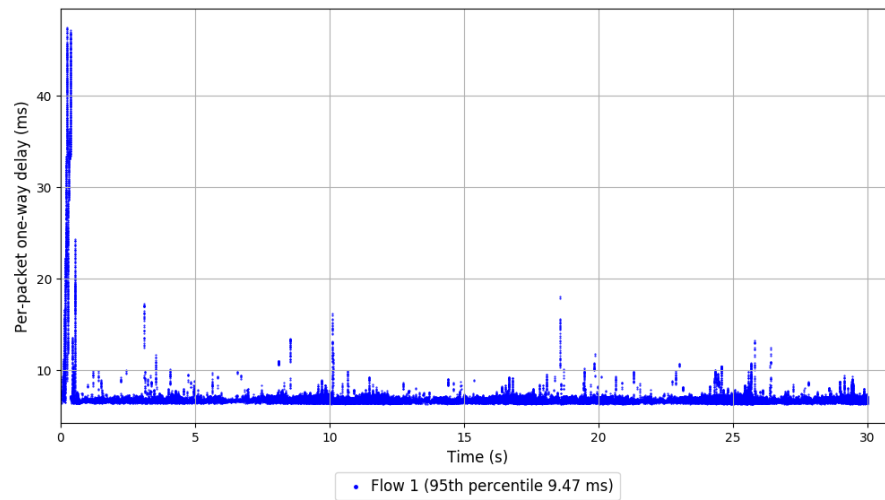
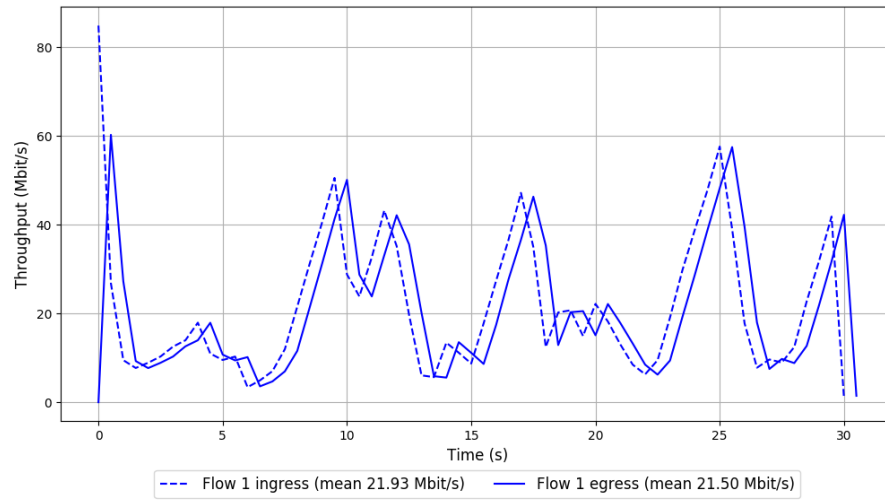


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 04:36:48
End at: 2018-06-05 04:37:18
Local clock offset: 0.889 ms
Remote clock offset: -6.843 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 9.475 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 9.475 ms
Loss rate: 1.96%

Run 2: Report of TCP Vegas — Data Link

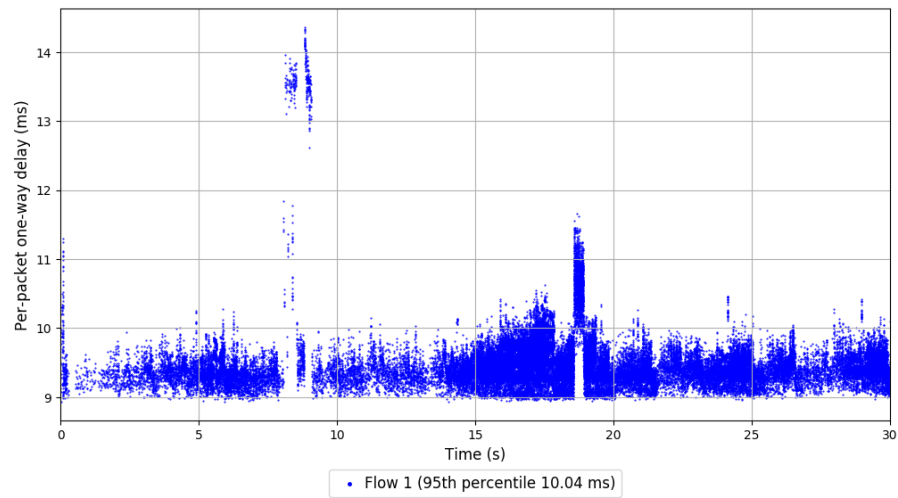
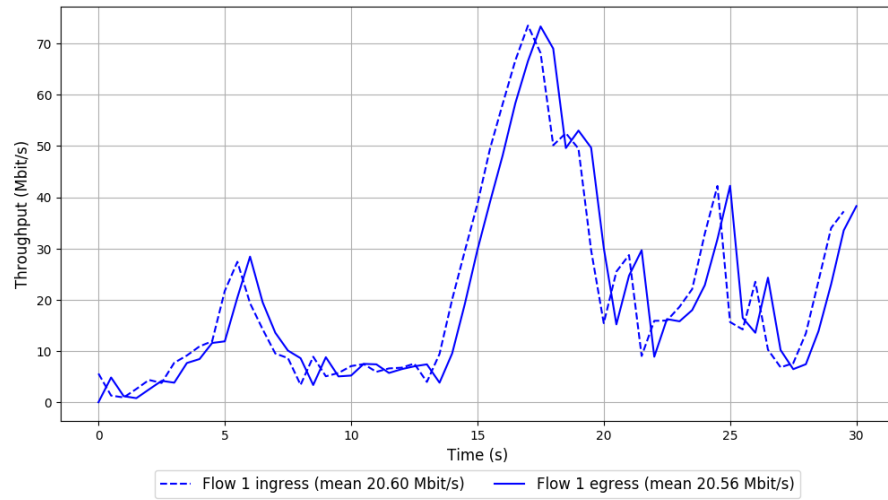


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 04:55:00
End at: 2018-06-05 04:55:30
Local clock offset: -3.01 ms
Remote clock offset: -9.776 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 10.038 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 10.038 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link

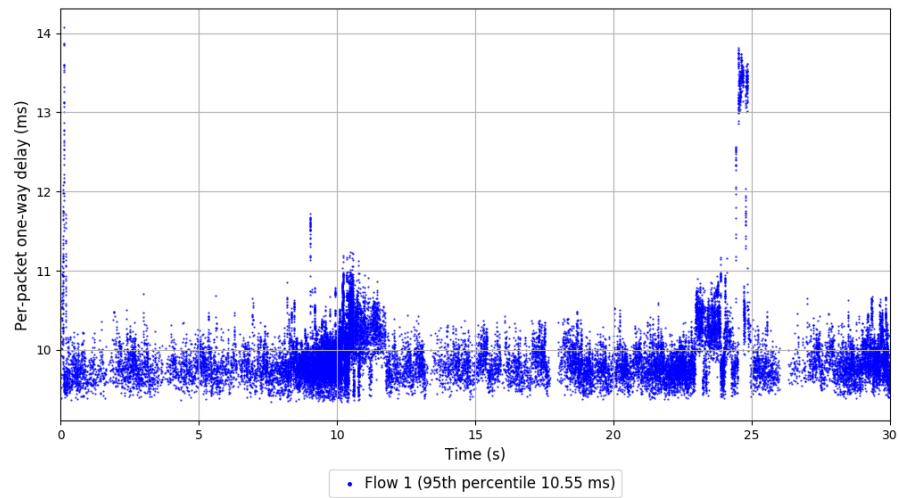
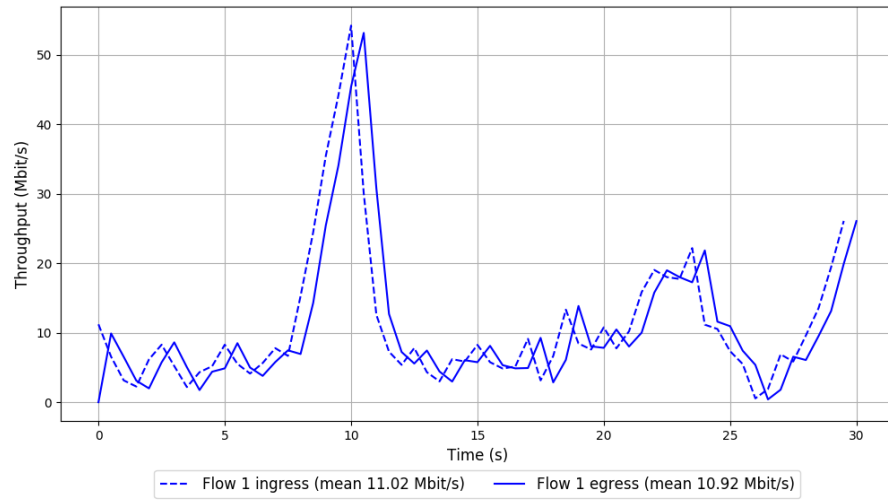


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 05:13:20
End at: 2018-06-05 05:13:50
Local clock offset: -3.285 ms
Remote clock offset: -11.786 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 10.552 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 10.552 ms
Loss rate: 0.88%

Run 4: Report of TCP Vegas — Data Link

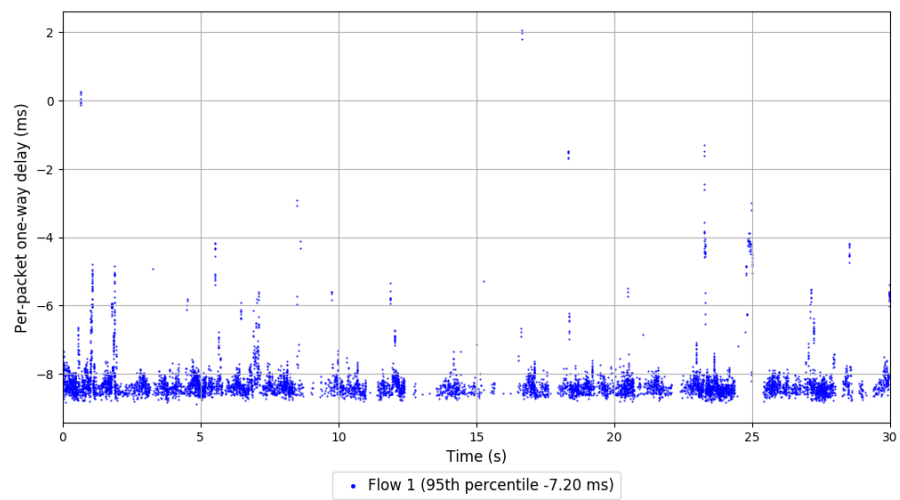
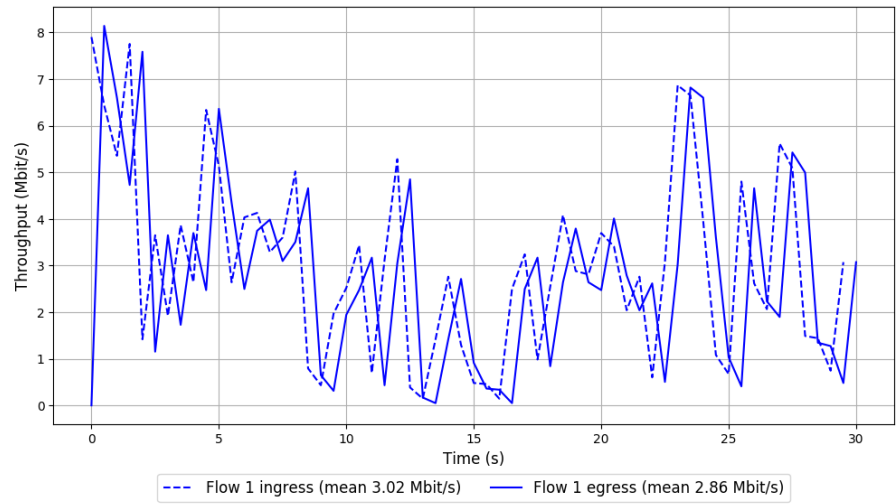


Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 05:32:06
End at: 2018-06-05 05:32:36
Local clock offset: -3.256 ms
Remote clock offset: -28.328 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: -7.200 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: -7.200 ms
Loss rate: 5.26%

Run 5: Report of TCP Vegas — Data Link

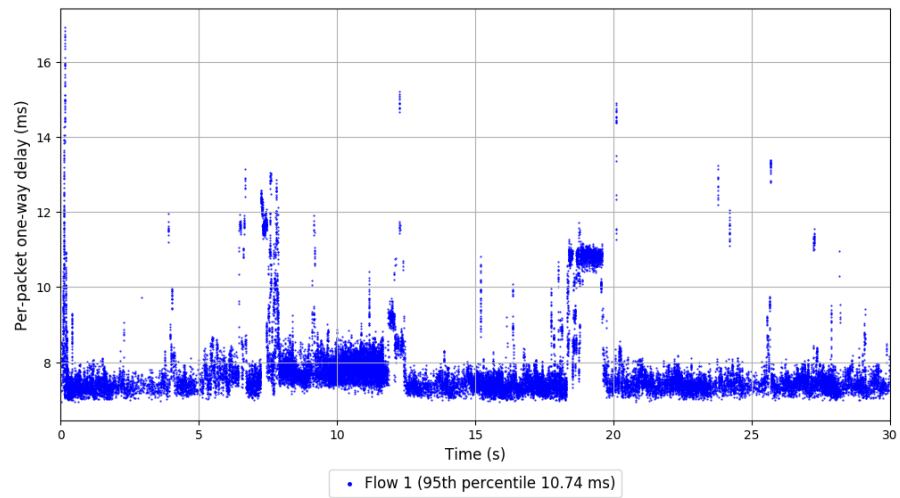
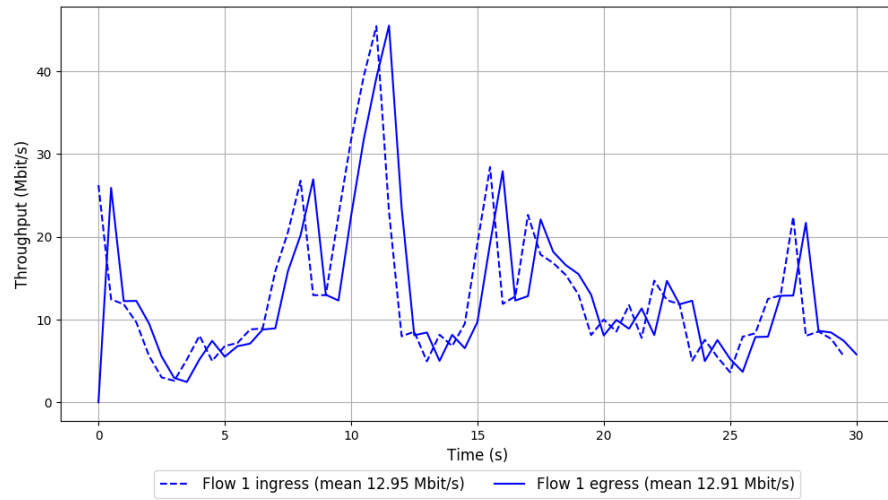


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 05:50:33
End at: 2018-06-05 05:51:03
Local clock offset: -0.483 ms
Remote clock offset: -9.913 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 10.744 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 10.744 ms
Loss rate: 0.28%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 06:09:31

End at: 2018-06-05 06:10:01

Local clock offset: -2.871 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.19 Mbit/s

95th percentile per-packet one-way delay: 14.099 ms

Loss rate: 1.06%

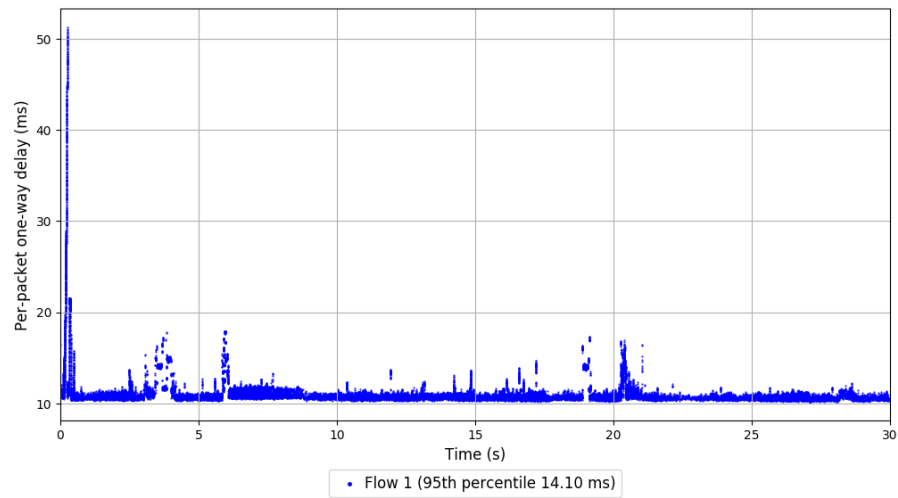
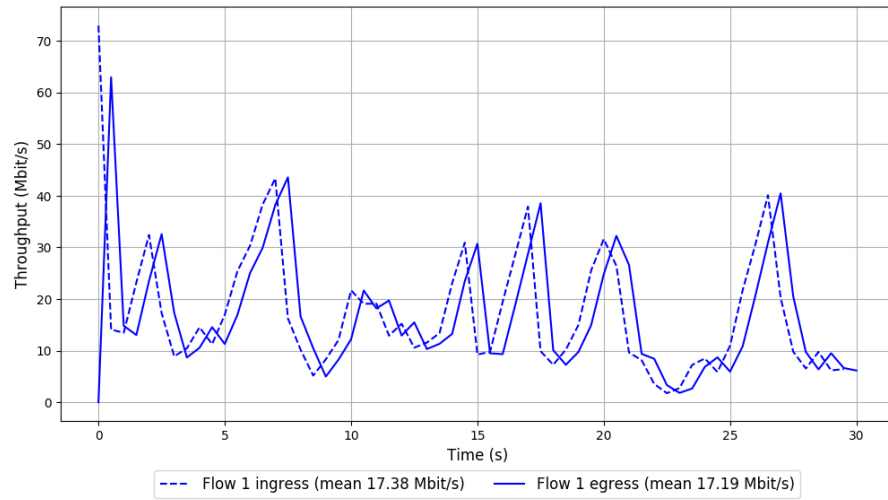
-- Flow 1:

Average throughput: 17.19 Mbit/s

95th percentile per-packet one-way delay: 14.099 ms

Loss rate: 1.06%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 06:28:11

End at: 2018-06-05 06:28:41

Local clock offset: -1.355 ms

Remote clock offset: 7.332 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 15.597 ms

Loss rate: 2.48%

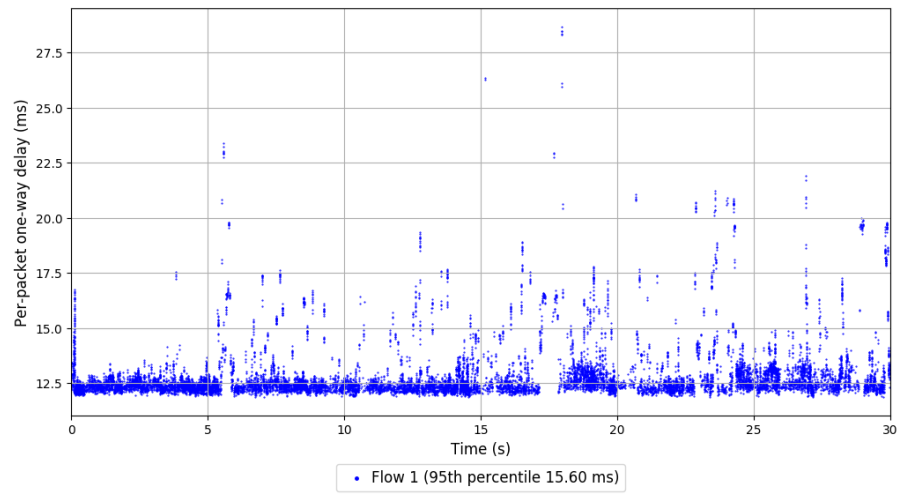
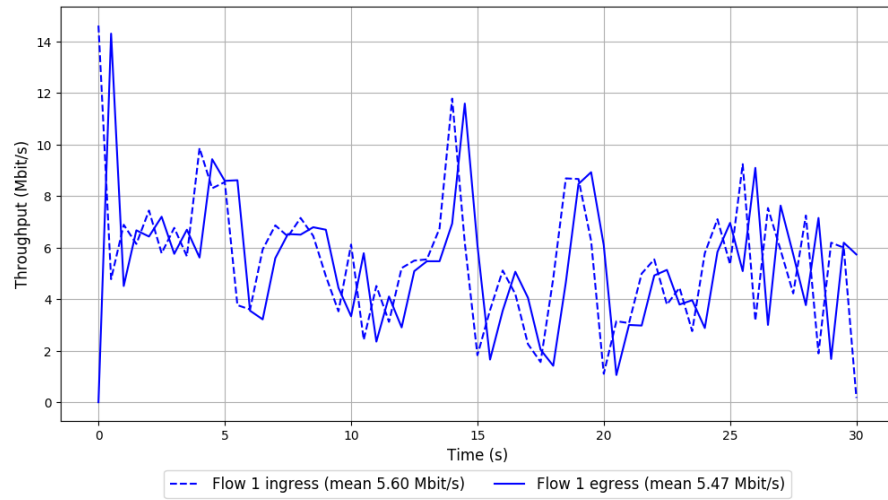
-- Flow 1:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 15.597 ms

Loss rate: 2.48%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 06:46:50

End at: 2018-06-05 06:47:20

Local clock offset: 1.073 ms

Remote clock offset: 6.594 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 16.366 ms

Loss rate: 1.88%

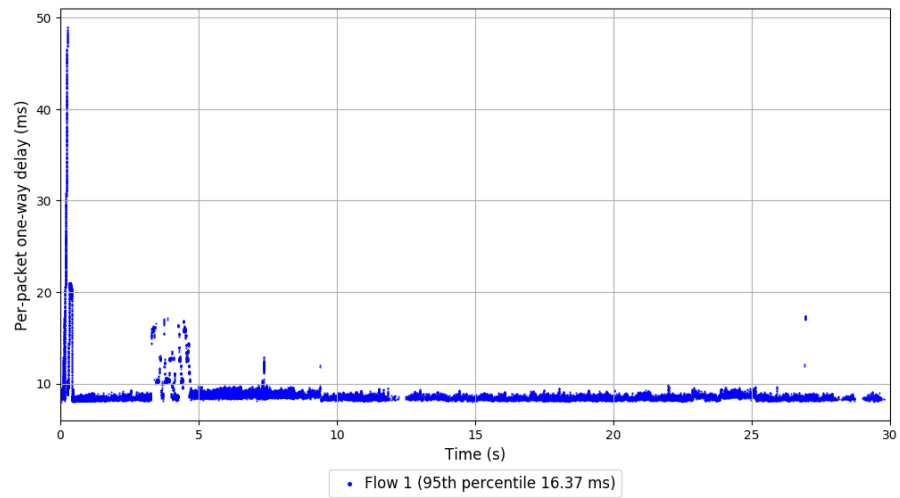
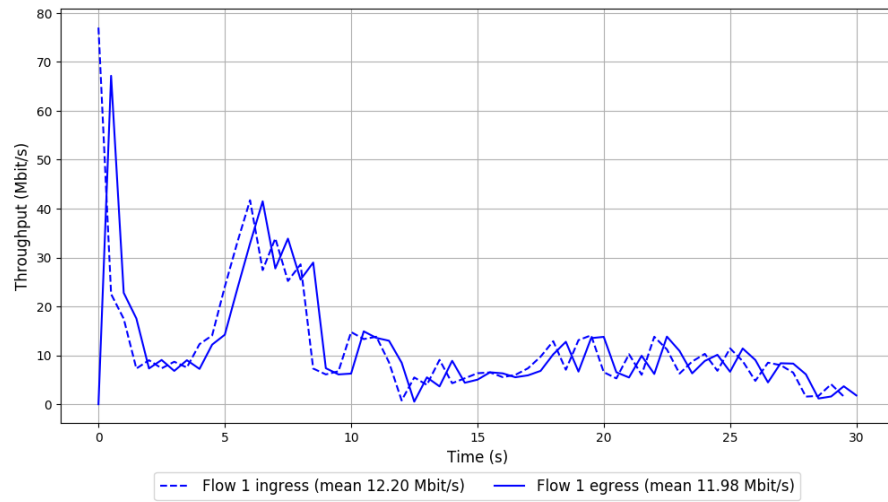
-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 16.366 ms

Loss rate: 1.88%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 07:05:17

End at: 2018-06-05 07:05:47

Local clock offset: 0.163 ms

Remote clock offset: 5.308 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 15.471 ms

Loss rate: 1.08%

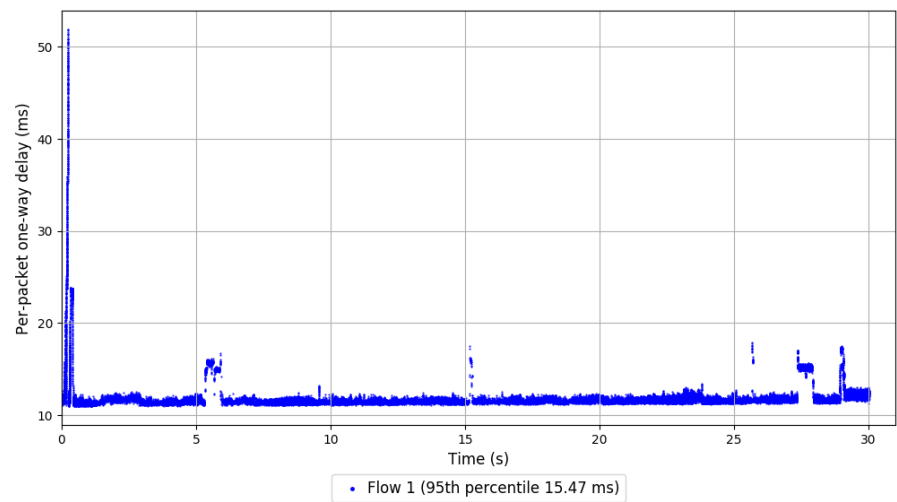
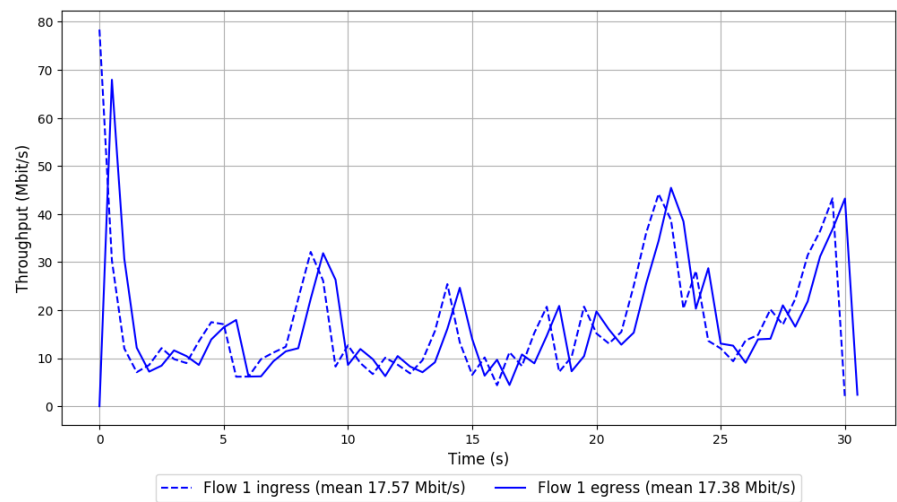
-- Flow 1:

Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 15.471 ms

Loss rate: 1.08%

Run 10: Report of TCP Vegas — Data Link

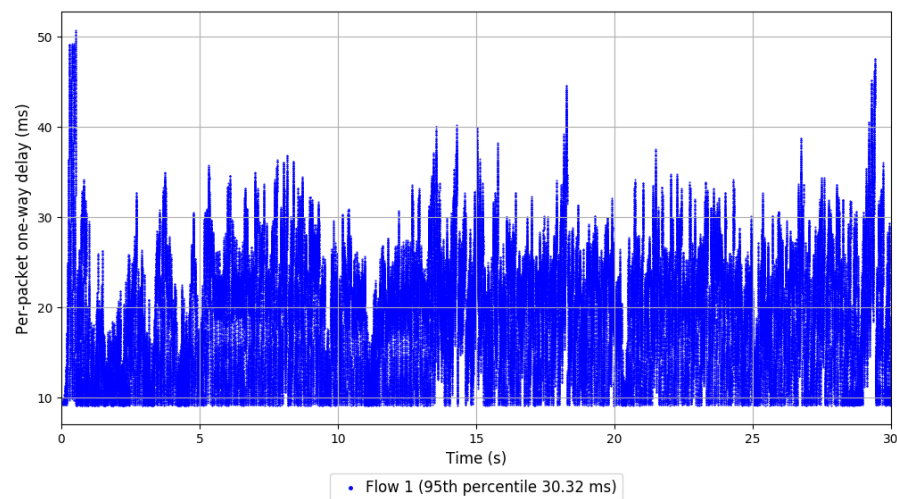
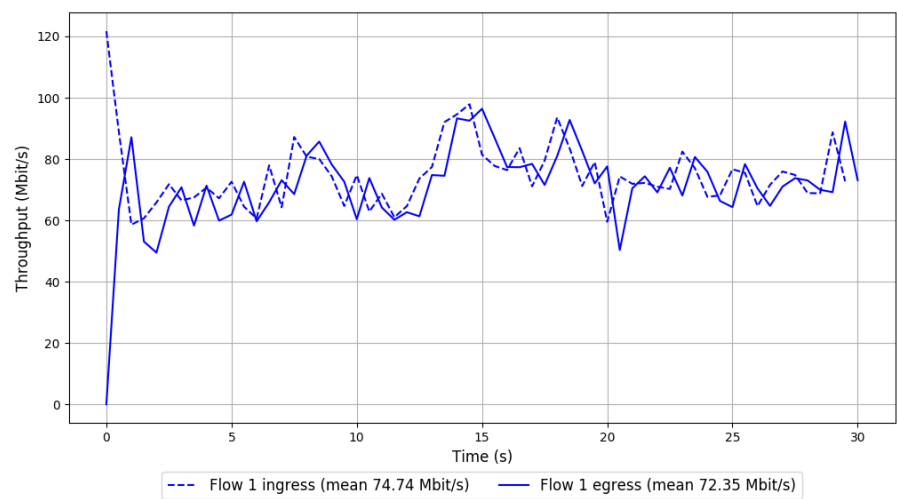


Run 1: Statistics of Verus

Start at: 2018-06-05 04:27:29
End at: 2018-06-05 04:27:59
Local clock offset: 1.469 ms
Remote clock offset: -3.761 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 3.17%

Run 1: Report of Verus — Data Link

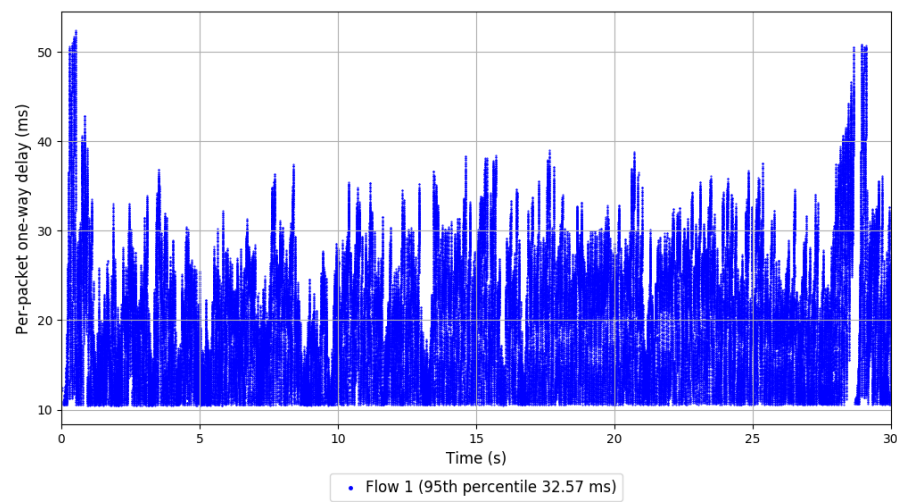
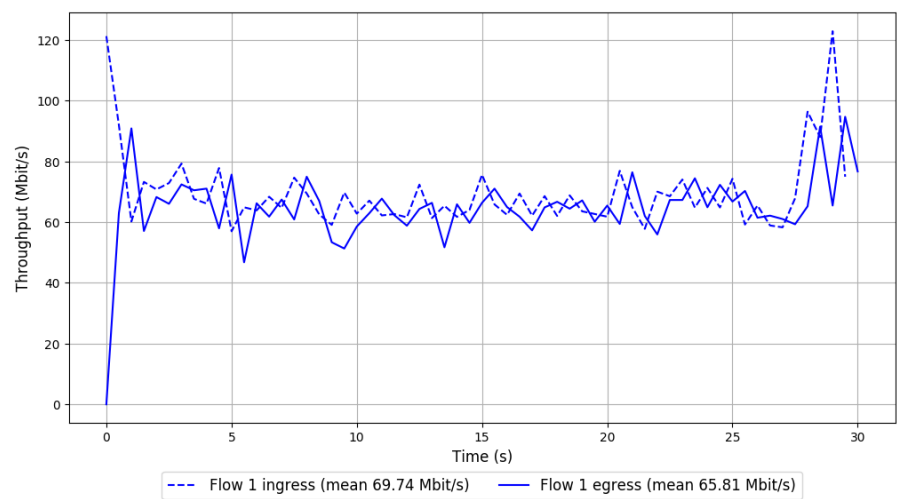


Run 2: Statistics of Verus

Start at: 2018-06-05 04:45:52
End at: 2018-06-05 04:46:22
Local clock offset: -3.502 ms
Remote clock offset: -7.069 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 32.574 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 32.574 ms
Loss rate: 5.58%

Run 2: Report of Verus — Data Link

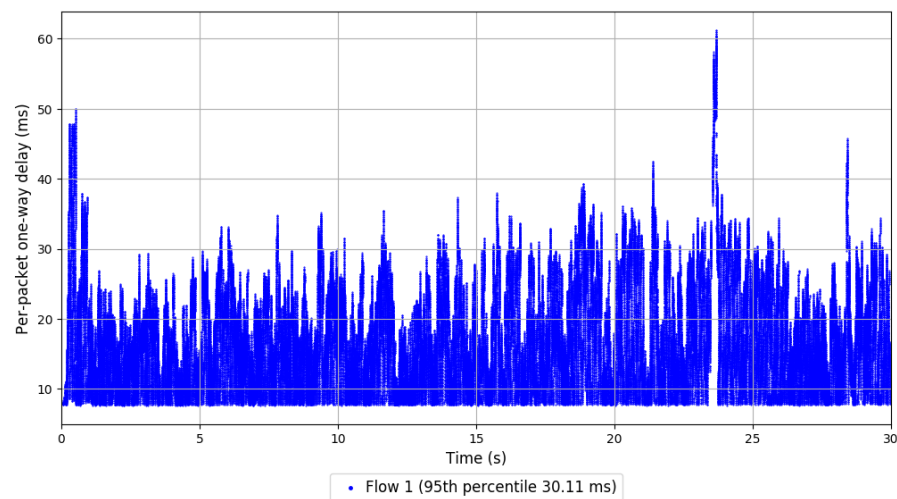
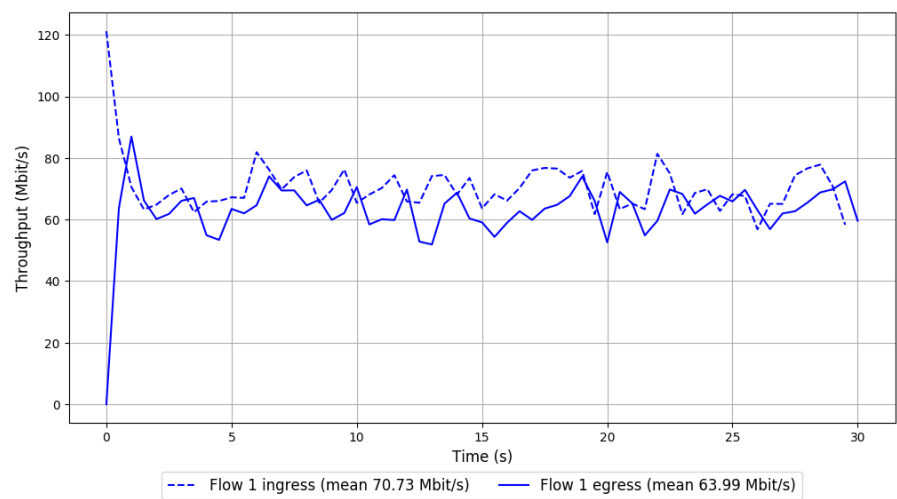


Run 3: Statistics of Verus

Start at: 2018-06-05 05:04:08
End at: 2018-06-05 05:04:38
Local clock offset: -1.54 ms
Remote clock offset: -10.553 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 30.107 ms
Loss rate: 9.51%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 30.107 ms
Loss rate: 9.51%

Run 3: Report of Verus — Data Link

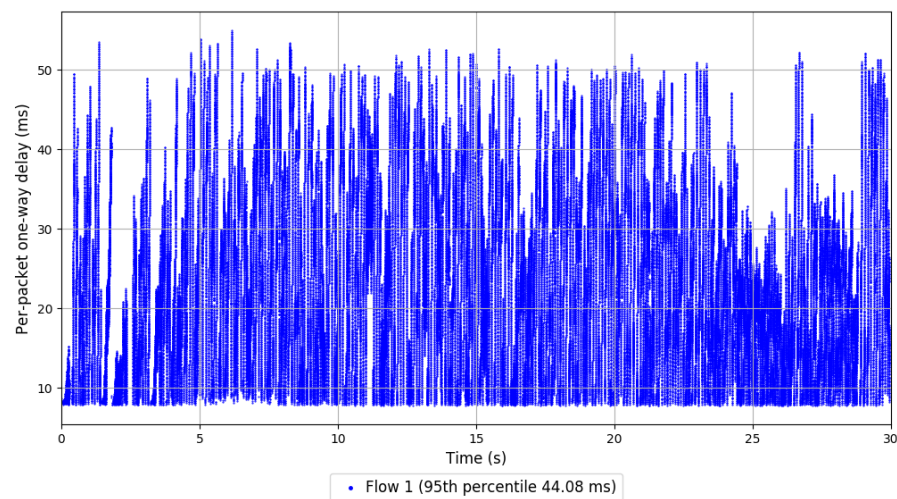
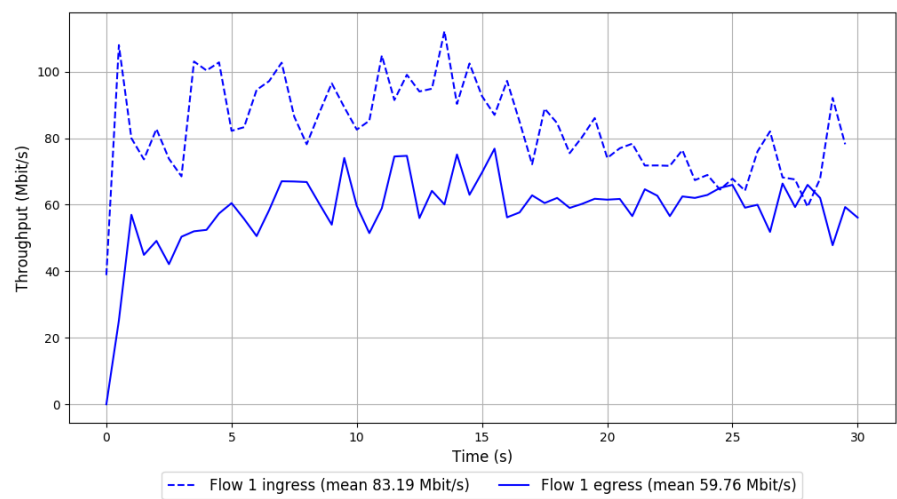


Run 4: Statistics of Verus

Start at: 2018-06-05 05:22:33
End at: 2018-06-05 05:23:03
Local clock offset: -2.596 ms
Remote clock offset: -11.695 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 44.084 ms
Loss rate: 28.14%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 44.084 ms
Loss rate: 28.14%

Run 4: Report of Verus — Data Link

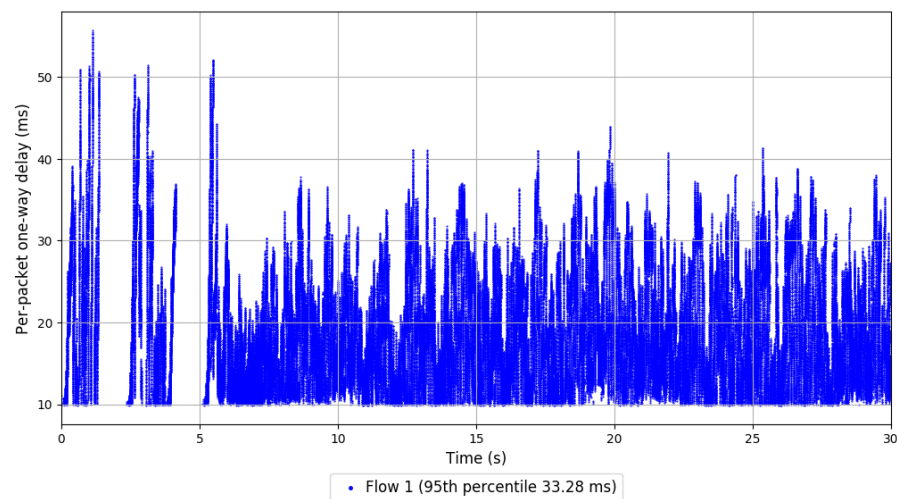
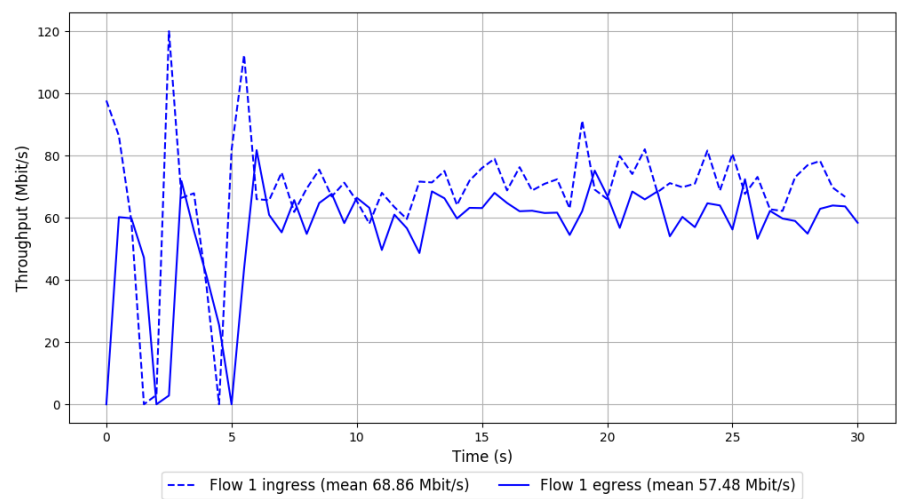


Run 5: Statistics of Verus

Start at: 2018-06-05 05:41:18
End at: 2018-06-05 05:41:48
Local clock offset: -4.187 ms
Remote clock offset: -10.563 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 33.278 ms
Loss rate: 16.51%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 33.278 ms
Loss rate: 16.51%

Run 5: Report of Verus — Data Link

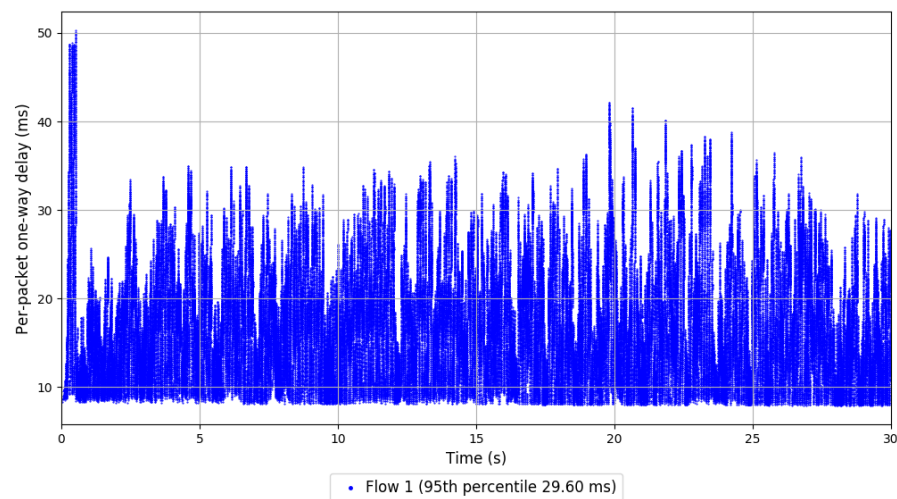
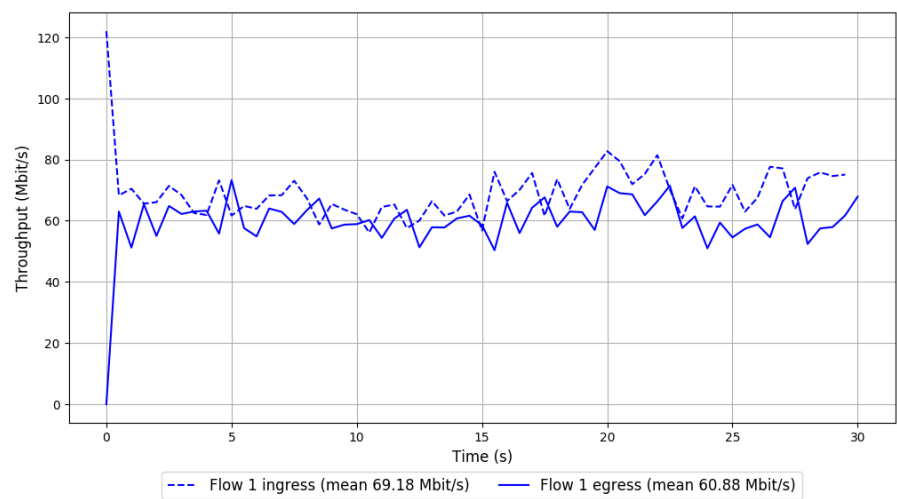


Run 6: Statistics of Verus

Start at: 2018-06-05 05:59:38
End at: 2018-06-05 06:00:08
Local clock offset: -2.678 ms
Remote clock offset: -5.204 ms

Below is generated by plot.py at 2018-06-05 07:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 29.604 ms
Loss rate: 11.95%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 29.604 ms
Loss rate: 11.95%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-05 06:18:43

End at: 2018-06-05 06:19:13

Local clock offset: -2.957 ms

Remote clock offset: 1.152 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 39.797 ms

Loss rate: 33.65%

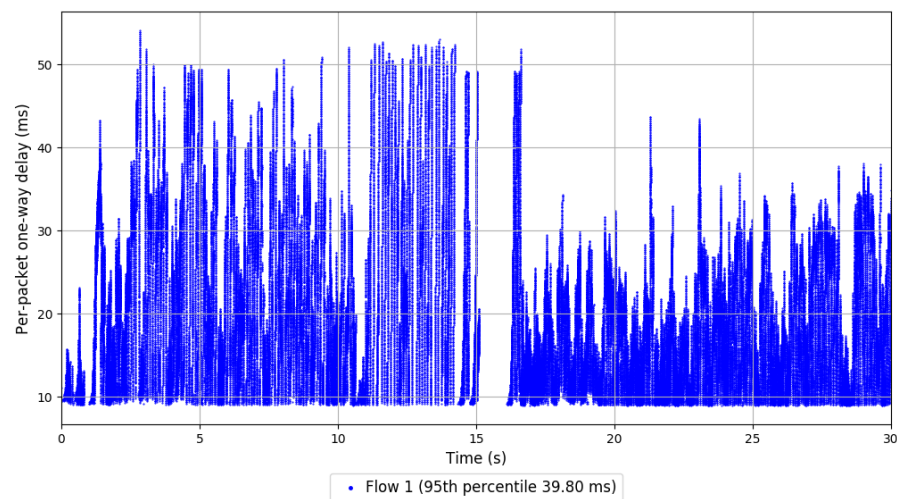
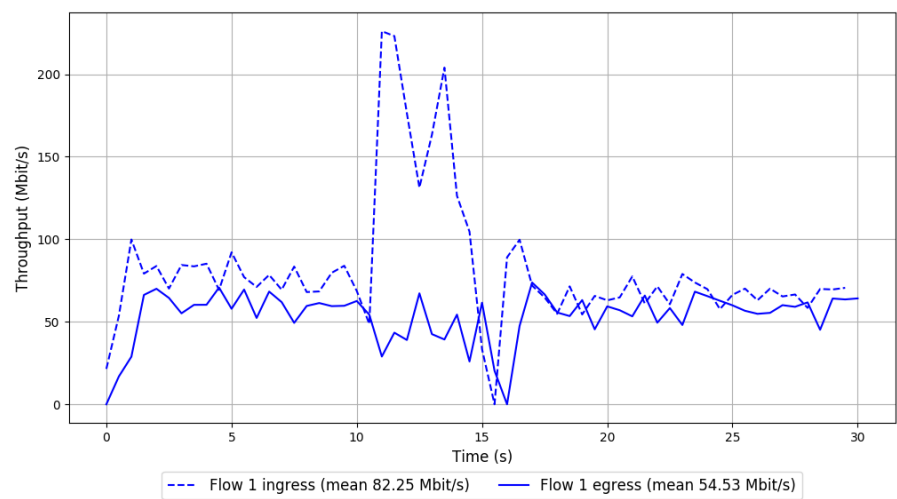
-- Flow 1:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 39.797 ms

Loss rate: 33.65%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-05 06:37:27

End at: 2018-06-05 06:37:57

Local clock offset: -1.829 ms

Remote clock offset: 4.93 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 29.571 ms

Loss rate: 16.27%

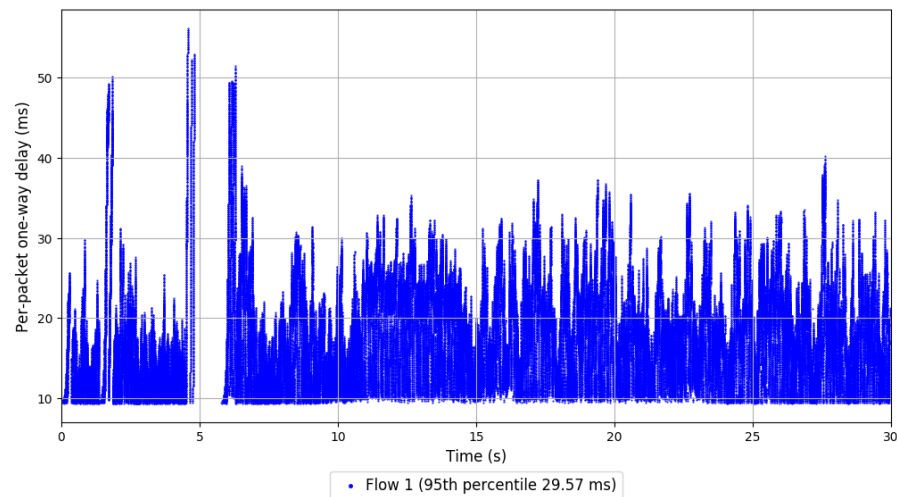
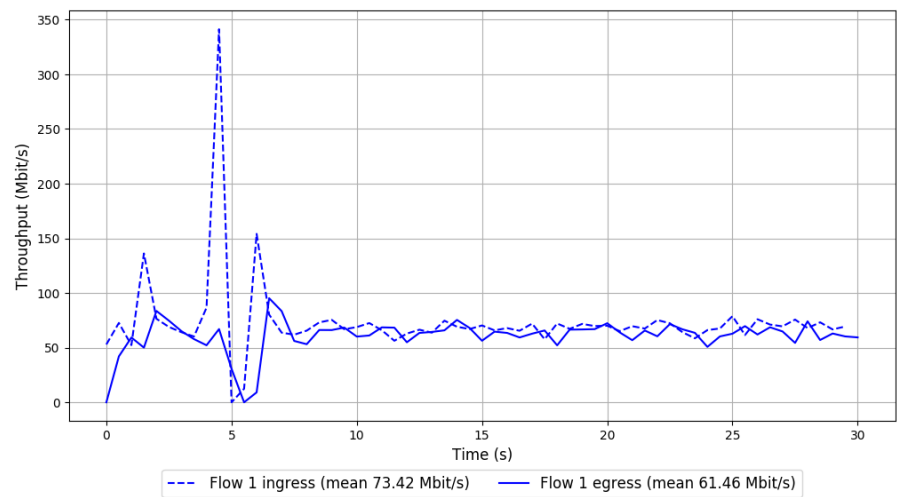
-- Flow 1:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 29.571 ms

Loss rate: 16.27%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 06:56:01

End at: 2018-06-05 06:56:31

Local clock offset: 0.979 ms

Remote clock offset: 9.717 ms

Below is generated by plot.py at 2018-06-05 07:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 31.354 ms

Loss rate: 4.77%

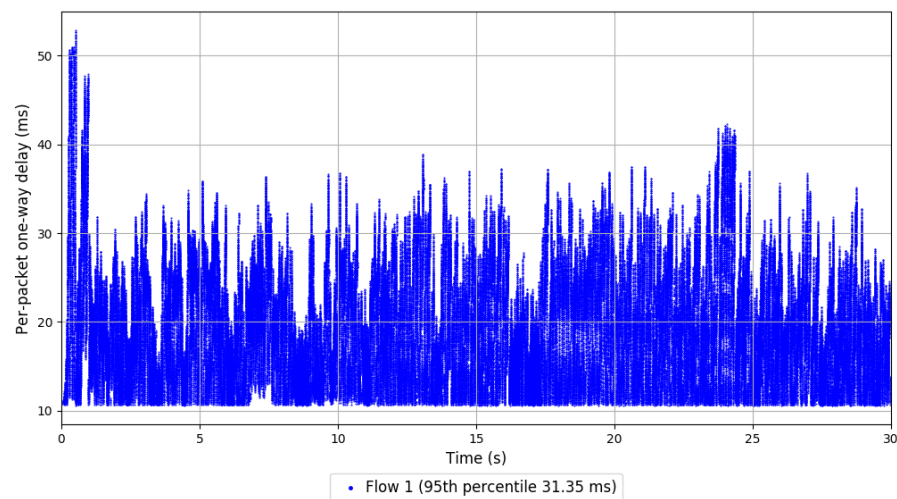
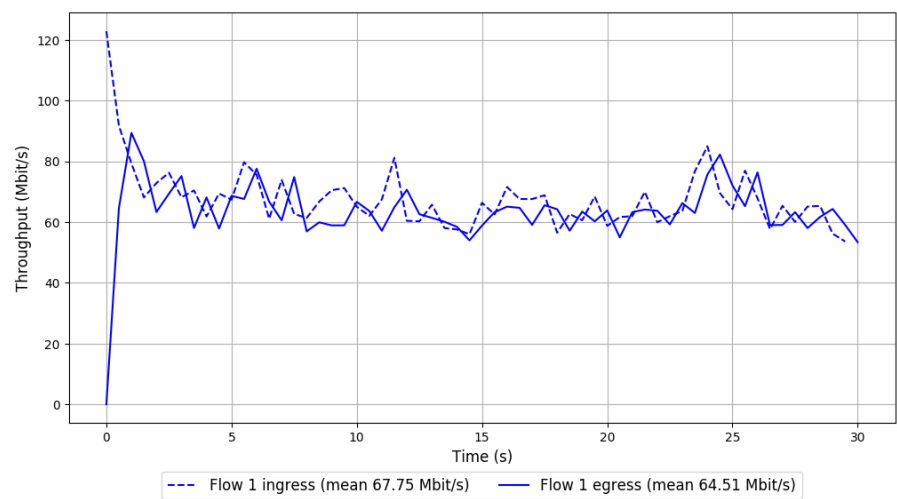
-- Flow 1:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 31.354 ms

Loss rate: 4.77%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-05 07:14:21

End at: 2018-06-05 07:14:51

Local clock offset: 1.549 ms

Remote clock offset: 14.71 ms

Below is generated by plot.py at 2018-06-05 07:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.41 Mbit/s

95th percentile per-packet one-way delay: 42.556 ms

Loss rate: 3.20%

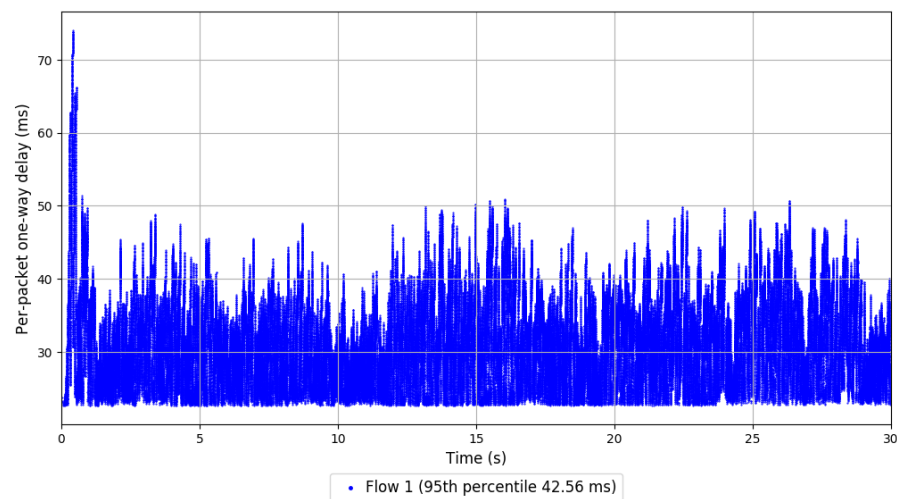
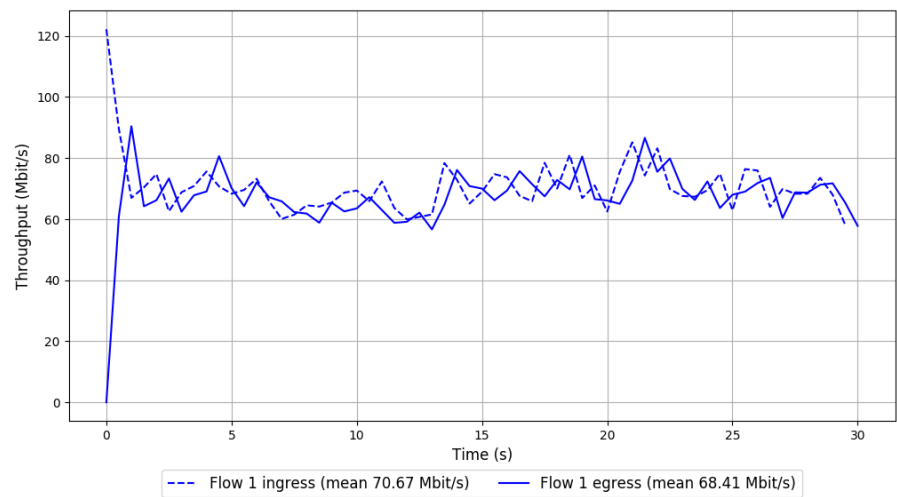
-- Flow 1:

Average throughput: 68.41 Mbit/s

95th percentile per-packet one-way delay: 42.556 ms

Loss rate: 3.20%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 04:32:05

End at: 2018-06-05 04:32:35

Local clock offset: 0.806 ms

Remote clock offset: -7.378 ms

Below is generated by plot.py at 2018-06-05 07:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 7.400 ms

Loss rate: 4.46%

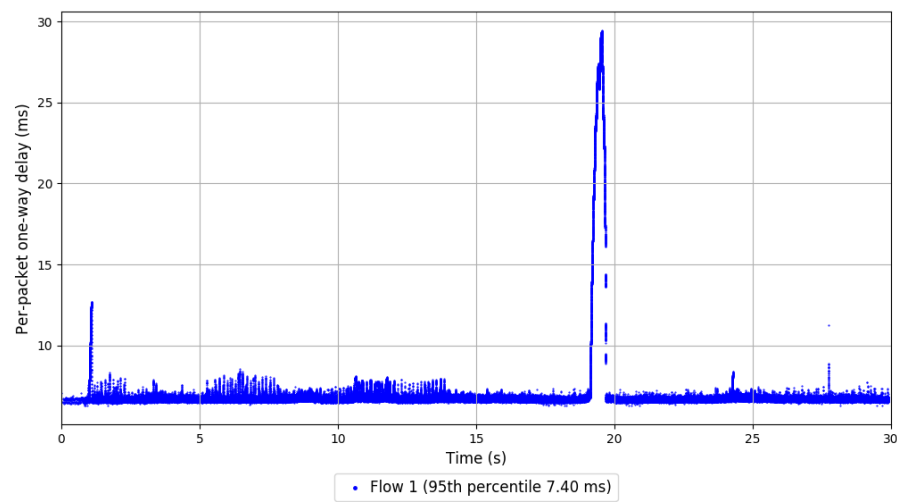
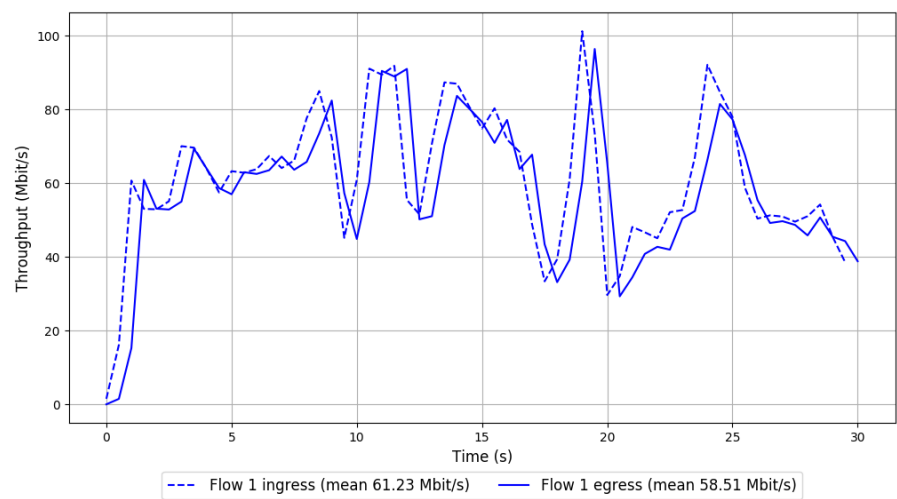
-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 7.400 ms

Loss rate: 4.46%

Run 1: Report of PCC-Vivace — Data Link

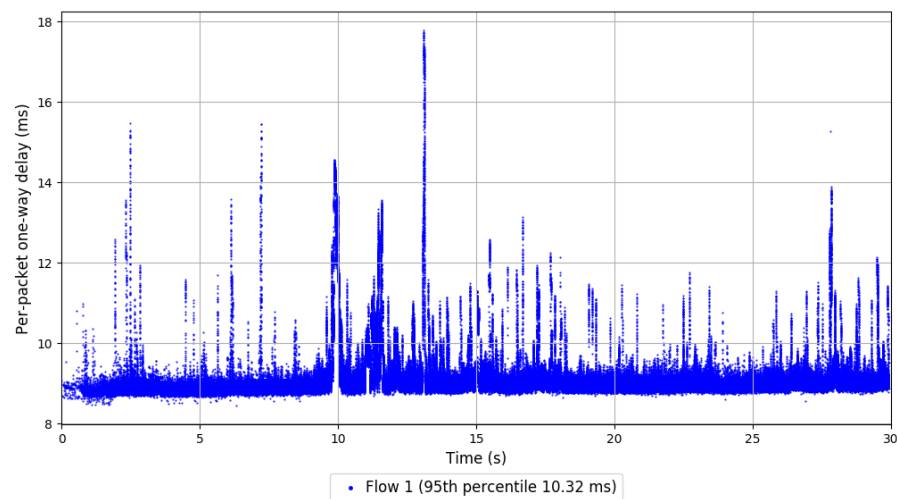
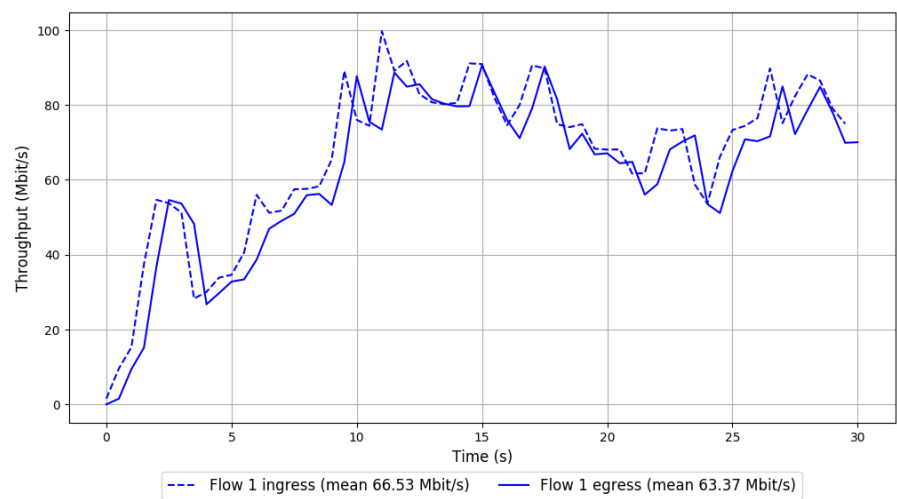


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 04:50:21
End at: 2018-06-05 04:50:51
Local clock offset: -1.854 ms
Remote clock offset: -8.164 ms

Below is generated by plot.py at 2018-06-05 07:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 4.75%

Run 2: Report of PCC-Vivace — Data Link

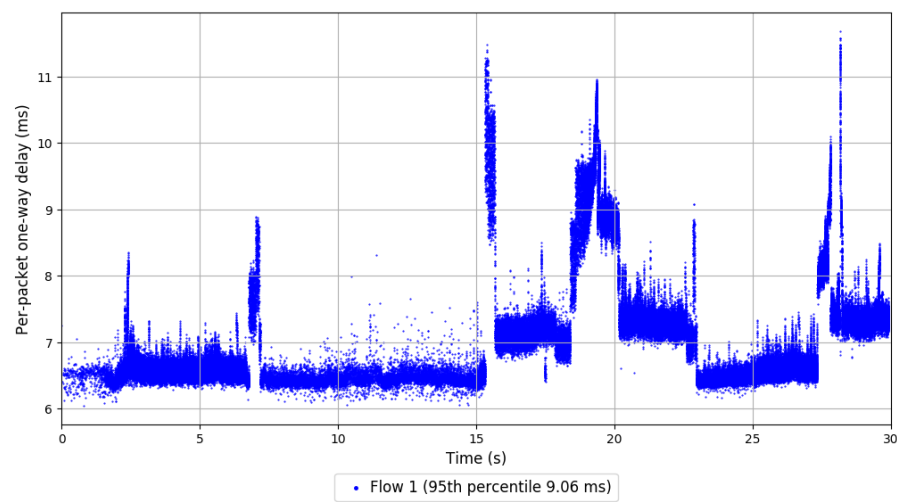
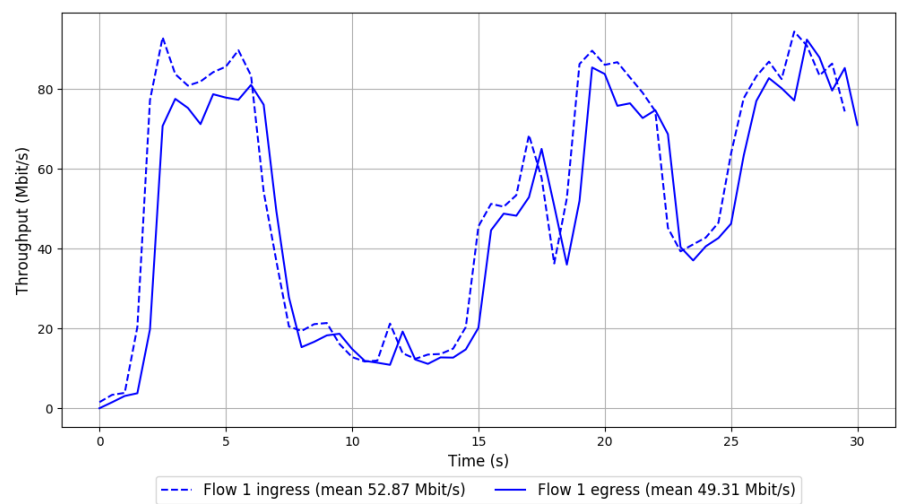


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 05:08:37
End at: 2018-06-05 05:09:07
Local clock offset: -0.362 ms
Remote clock offset: -11.398 ms

Below is generated by plot.py at 2018-06-05 07:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 9.056 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 9.056 ms
Loss rate: 6.73%

Run 3: Report of PCC-Vivace — Data Link

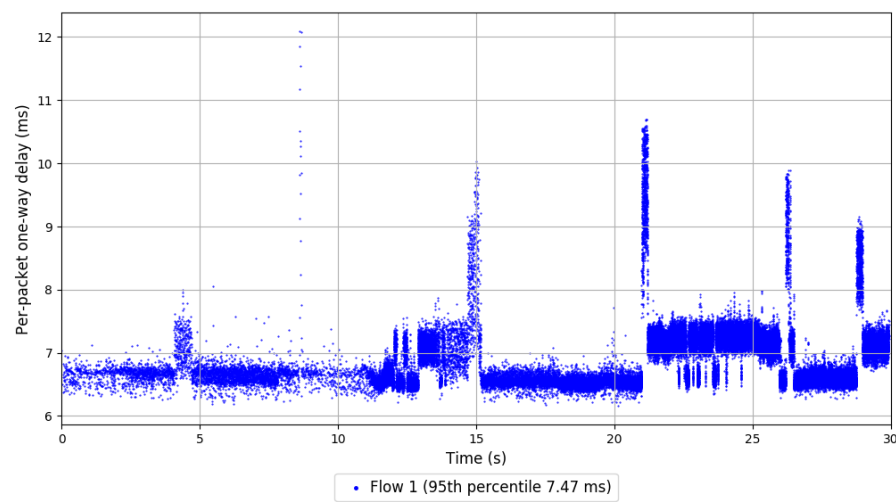
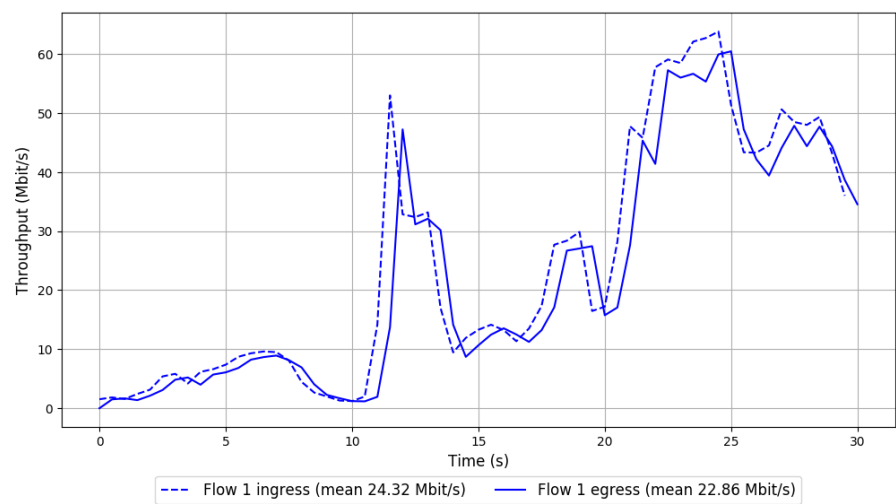


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 05:27:12
End at: 2018-06-05 05:27:42
Local clock offset: -0.955 ms
Remote clock offset: -11.069 ms

Below is generated by plot.py at 2018-06-05 07:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 7.475 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 7.475 ms
Loss rate: 5.99%

Run 4: Report of PCC-Vivace — Data Link

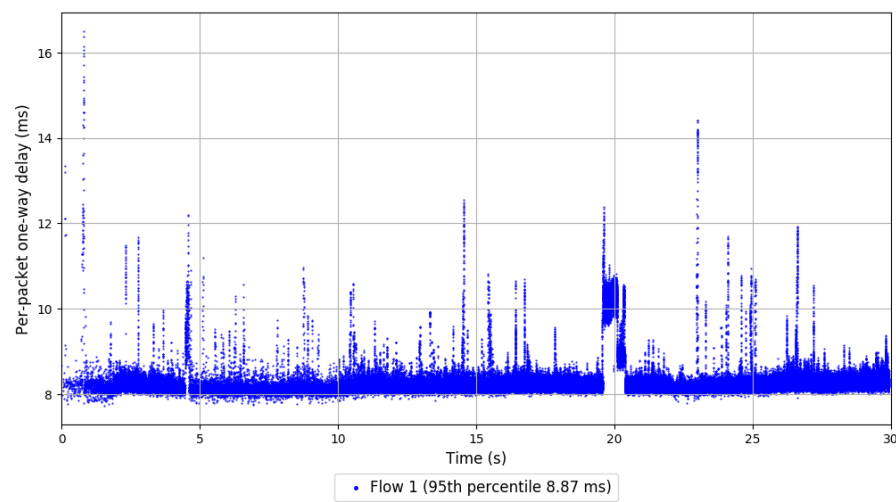
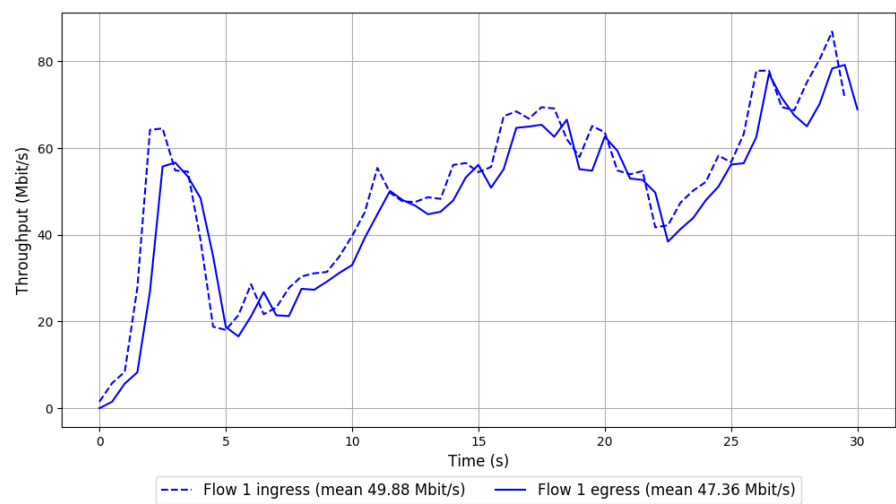


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 05:45:51
End at: 2018-06-05 05:46:21
Local clock offset: -2.873 ms
Remote clock offset: -11.209 ms

Below is generated by plot.py at 2018-06-05 07:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 8.874 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 8.874 ms
Loss rate: 5.04%

Run 5: Report of PCC-Vivace — Data Link

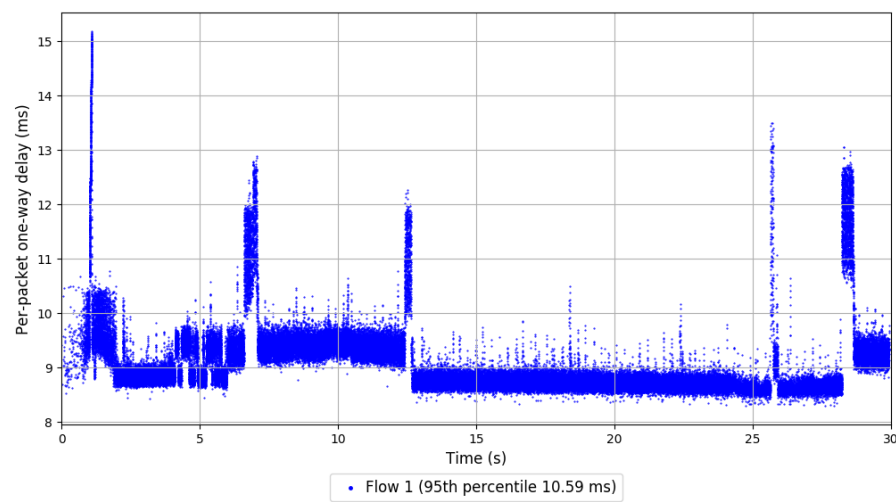
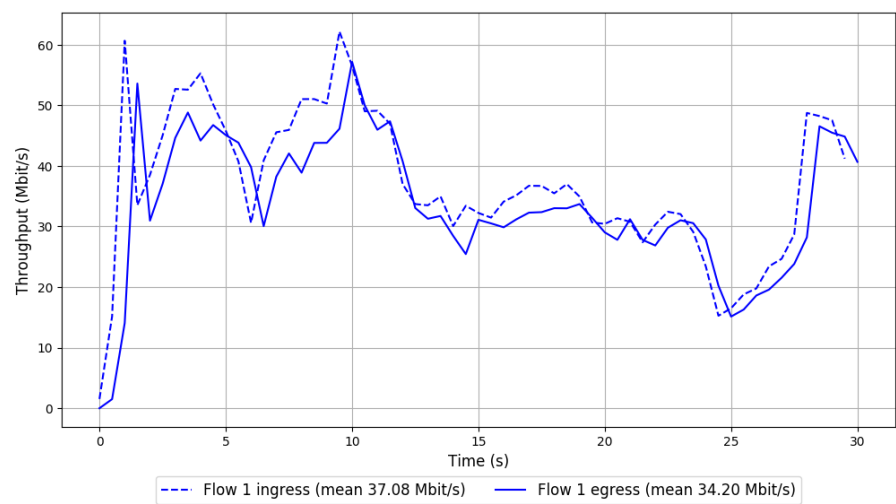


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 06:04:18
End at: 2018-06-05 06:04:48
Local clock offset: -3.425 ms
Remote clock offset: -3.415 ms

Below is generated by plot.py at 2018-06-05 07:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 10.591 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 10.591 ms
Loss rate: 7.77%

Run 6: Report of PCC-Vivace — Data Link

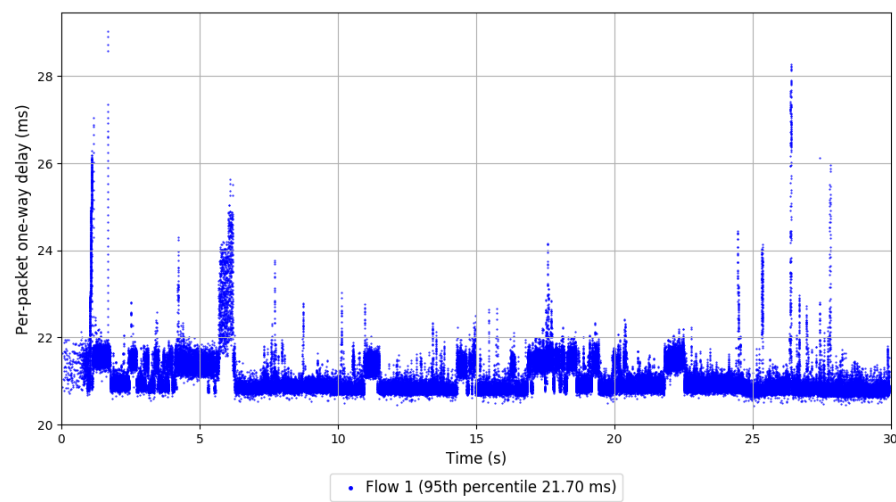
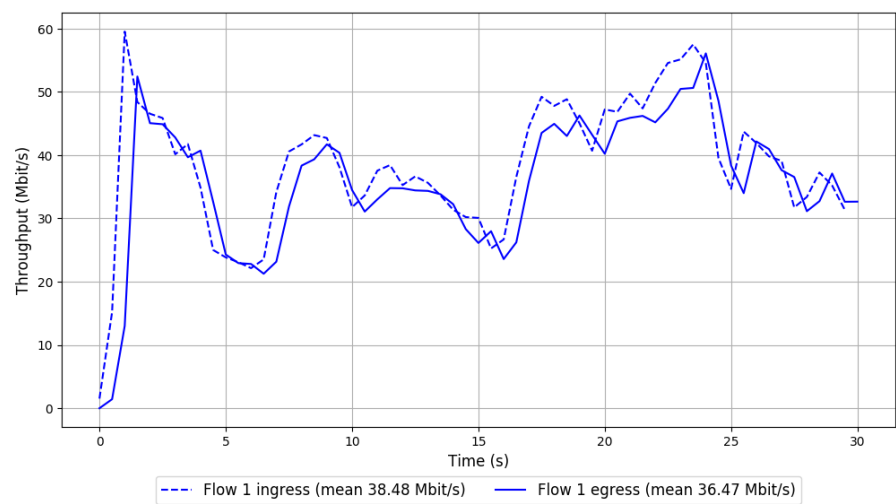


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 06:23:15
End at: 2018-06-05 06:23:45
Local clock offset: -3.054 ms
Remote clock offset: 13.627 ms

Below is generated by plot.py at 2018-06-05 07:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 21.695 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 21.695 ms
Loss rate: 5.22%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 06:42:01

End at: 2018-06-05 06:42:32

Local clock offset: -2.018 ms

Remote clock offset: 6.6 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 13.129 ms

Loss rate: 5.85%

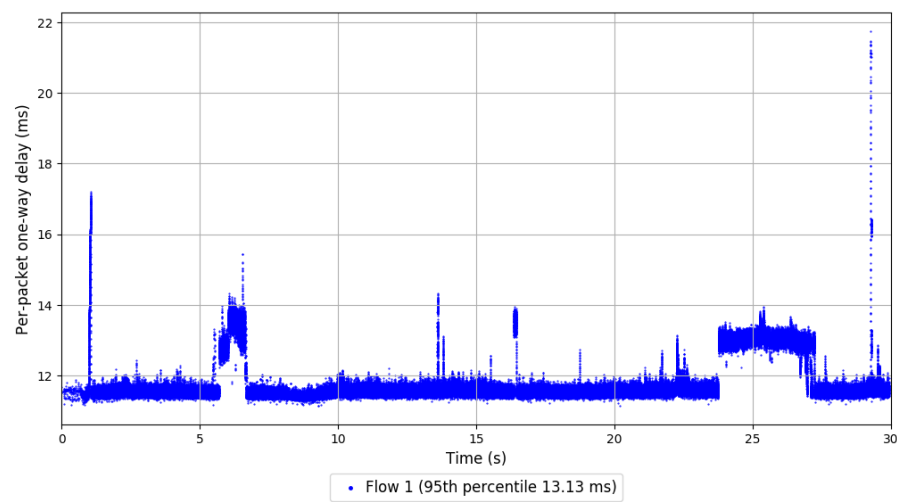
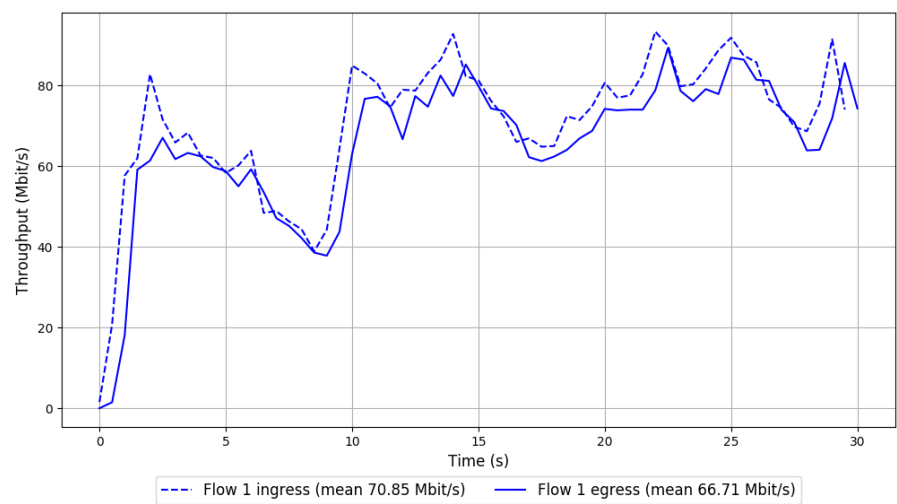
-- Flow 1:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 13.129 ms

Loss rate: 5.85%

Run 8: Report of PCC-Vivace — Data Link

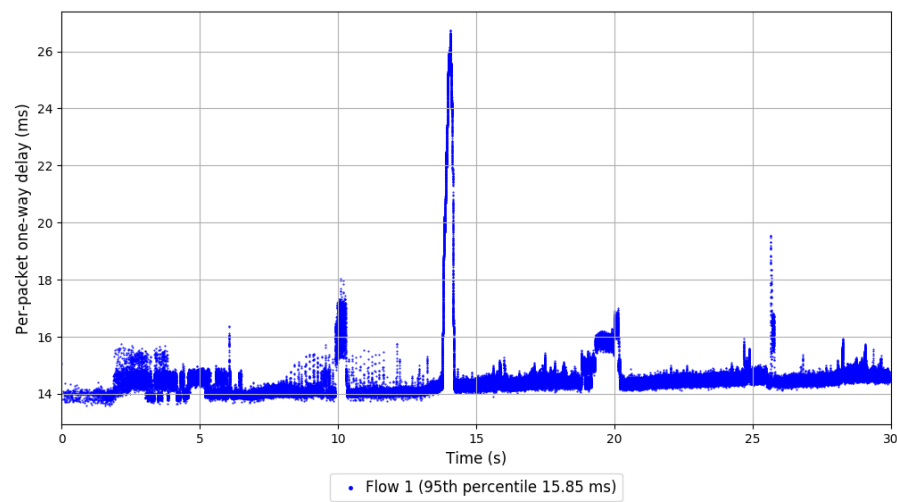
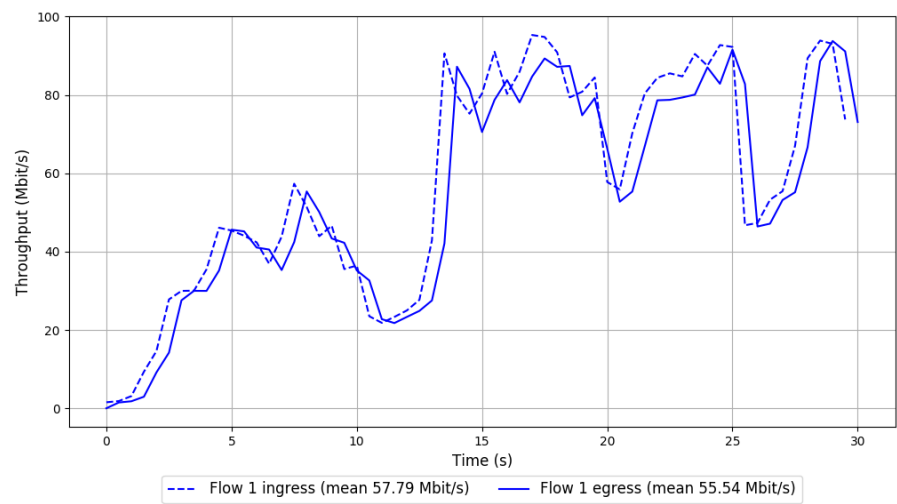


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 07:00:38
End at: 2018-06-05 07:01:08
Local clock offset: -1.485 ms
Remote clock offset: 10.694 ms

Below is generated by plot.py at 2018-06-05 07:41:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 15.845 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 15.845 ms
Loss rate: 3.89%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 07:18:57

End at: 2018-06-05 07:19:27

Local clock offset: 0.819 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 13.991 ms

Loss rate: 2.35%

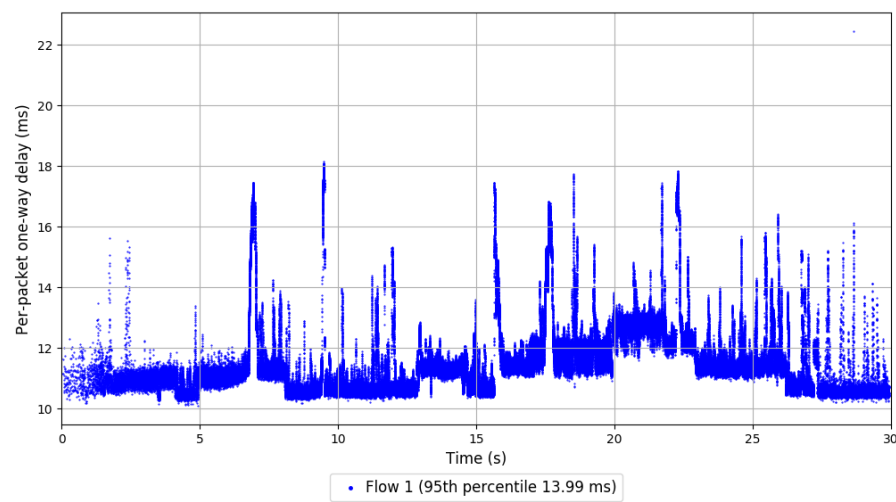
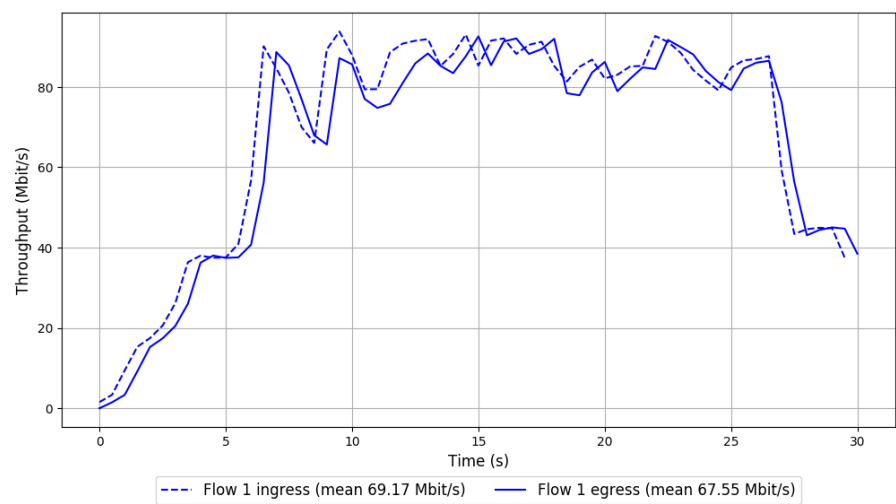
-- Flow 1:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 13.991 ms

Loss rate: 2.35%

Run 10: Report of PCC-Vivace — Data Link

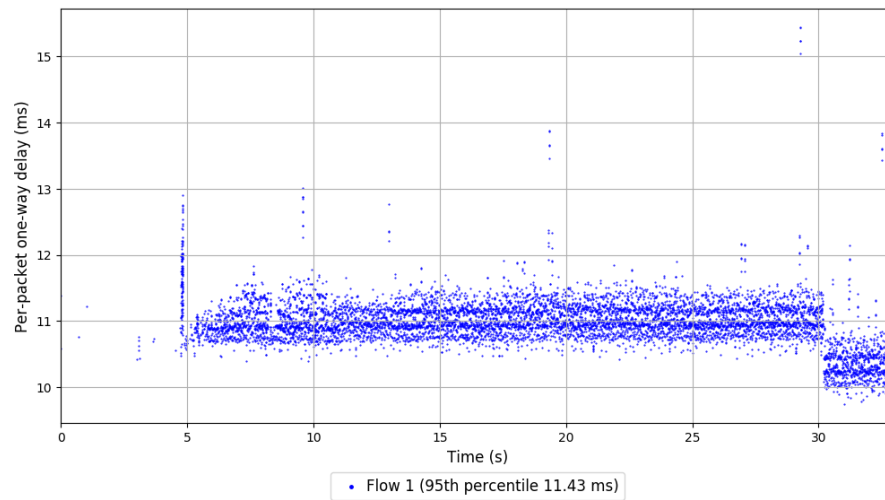
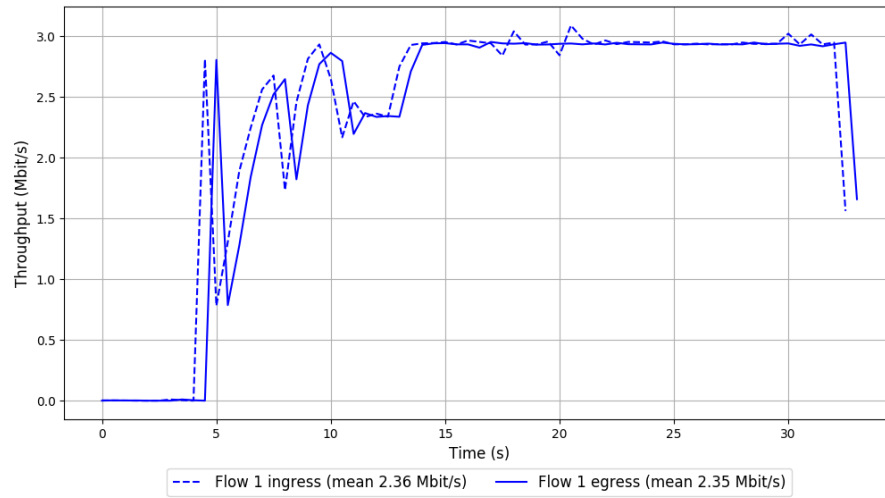


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 04:24:00
End at: 2018-06-05 04:24:30
Local clock offset: -0.288 ms
Remote clock offset: -3.743 ms

# Below is generated by plot.py at 2018-06-05 07:41:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 11.425 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 11.425 ms
Loss rate: 0.34%
```

Run 1: Report of WebRTC media — Data Link

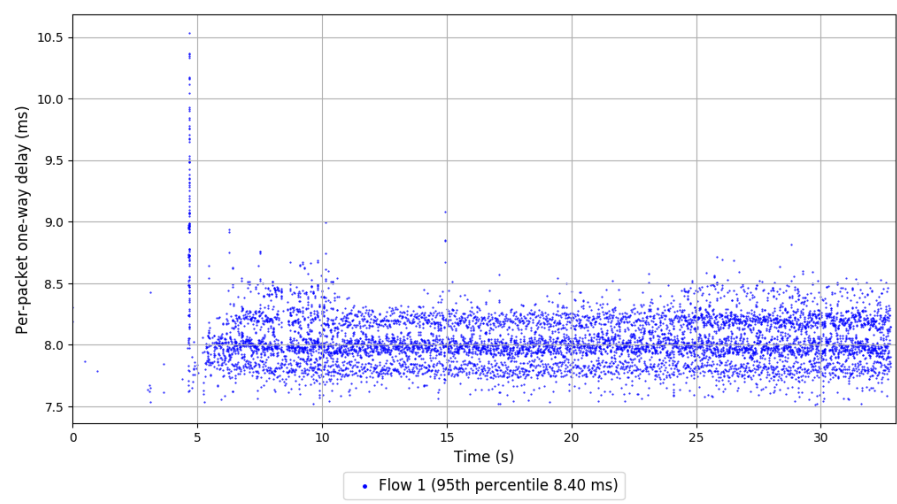
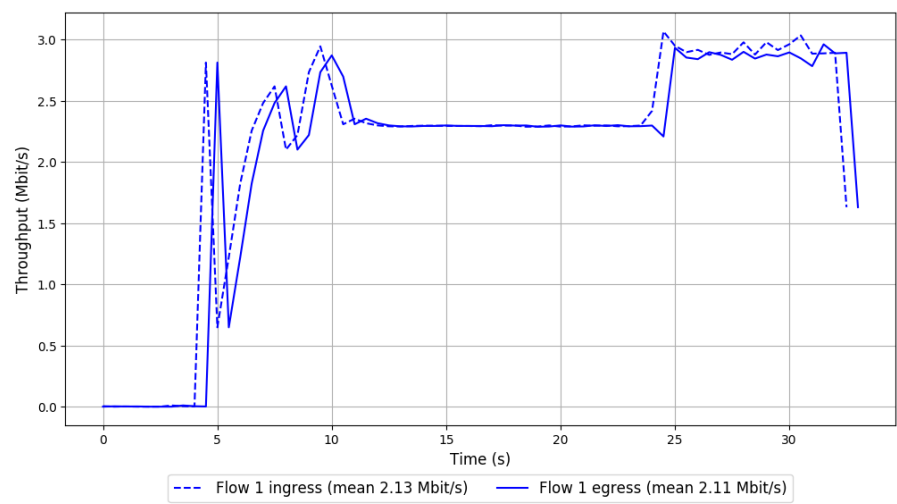


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 04:42:32
End at: 2018-06-05 04:43:02
Local clock offset: -1.899 ms
Remote clock offset: -7.638 ms

Below is generated by plot.py at 2018-06-05 07:41:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 8.396 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 8.396 ms
Loss rate: 0.80%

Run 2: Report of WebRTC media — Data Link

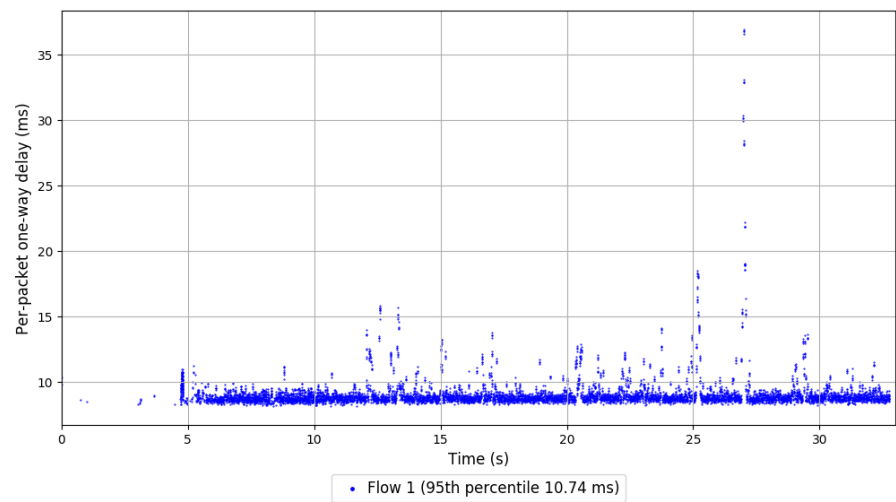
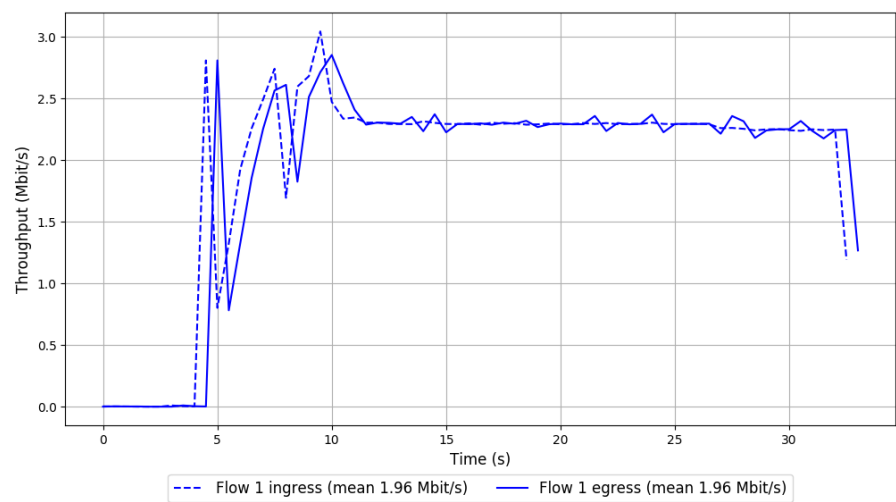


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 05:00:47
End at: 2018-06-05 05:01:17
Local clock offset: -3.388 ms
Remote clock offset: -11.411 ms

Below is generated by plot.py at 2018-06-05 07:41:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 10.742 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 10.742 ms
Loss rate: 0.03%

Run 3: Report of WebRTC media — Data Link

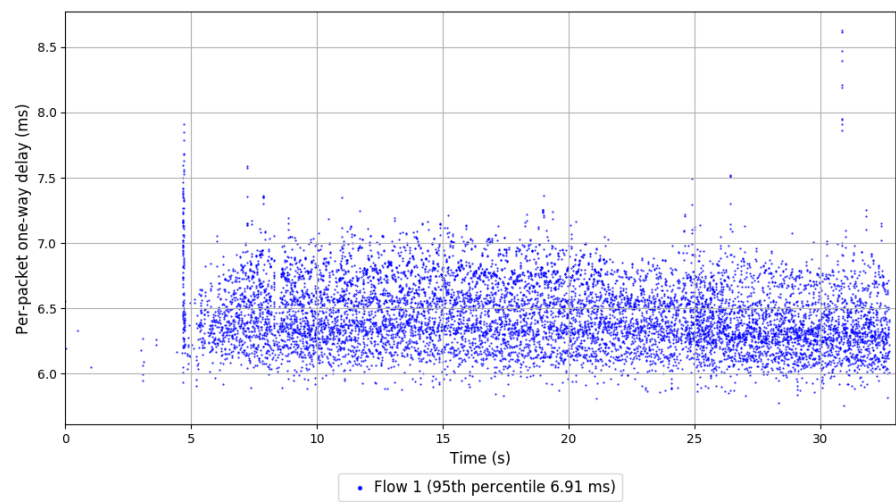
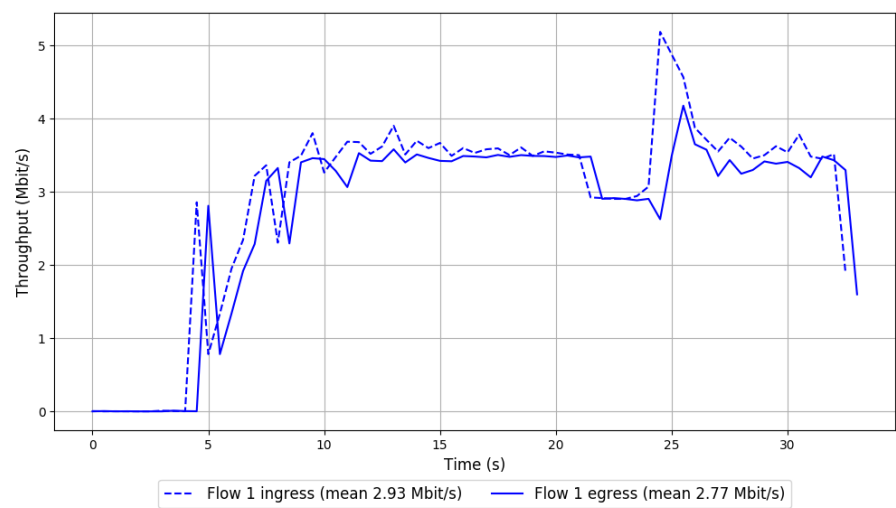


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 05:19:03
End at: 2018-06-05 05:19:33
Local clock offset: -0.778 ms
Remote clock offset: -12.503 ms

Below is generated by plot.py at 2018-06-05 07:41:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 6.907 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 6.907 ms
Loss rate: 5.55%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 05:37:51

End at: 2018-06-05 05:38:21

Local clock offset: -2.404 ms

Remote clock offset: -9.57 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 10.285 ms

Loss rate: 0.60%

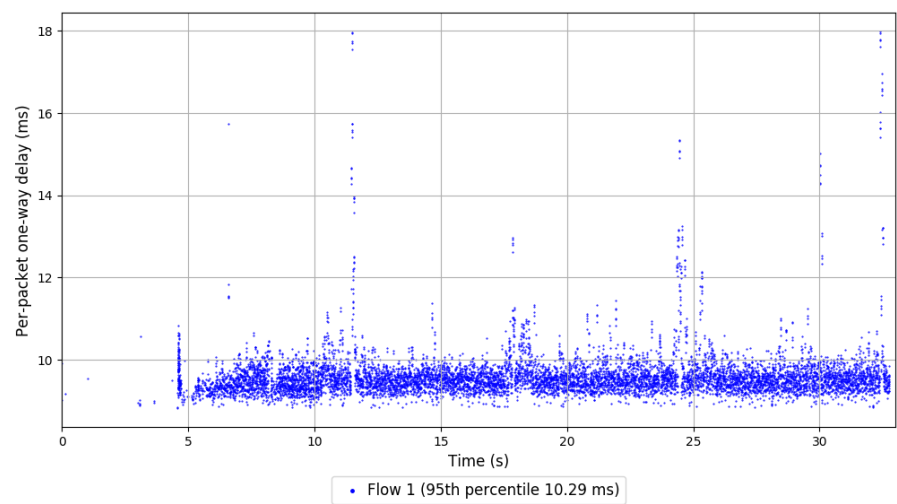
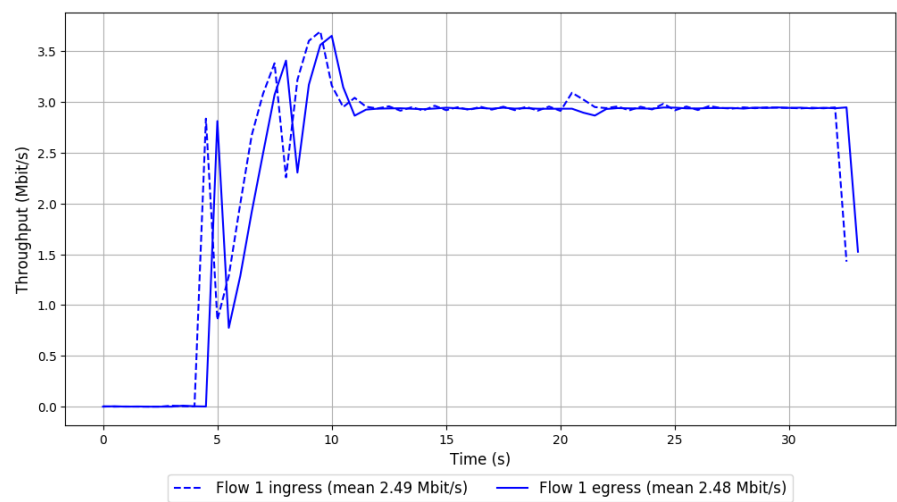
-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 10.285 ms

Loss rate: 0.60%

Run 5: Report of WebRTC media — Data Link

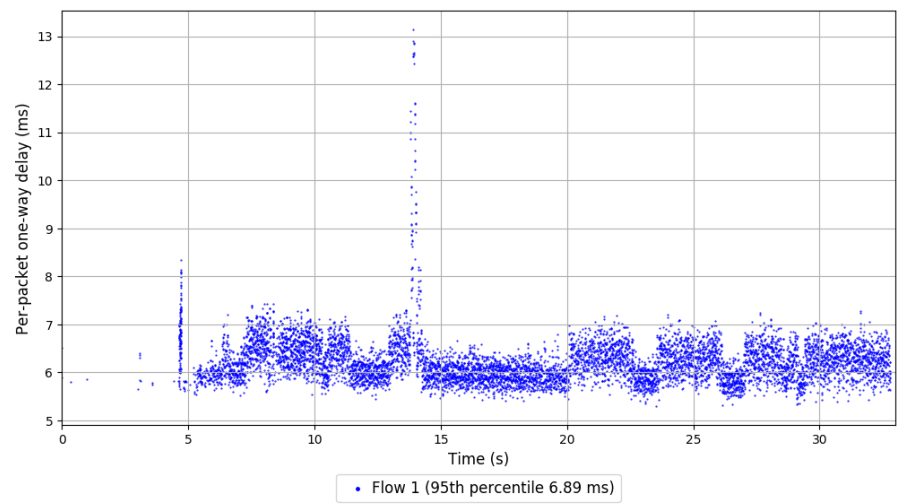
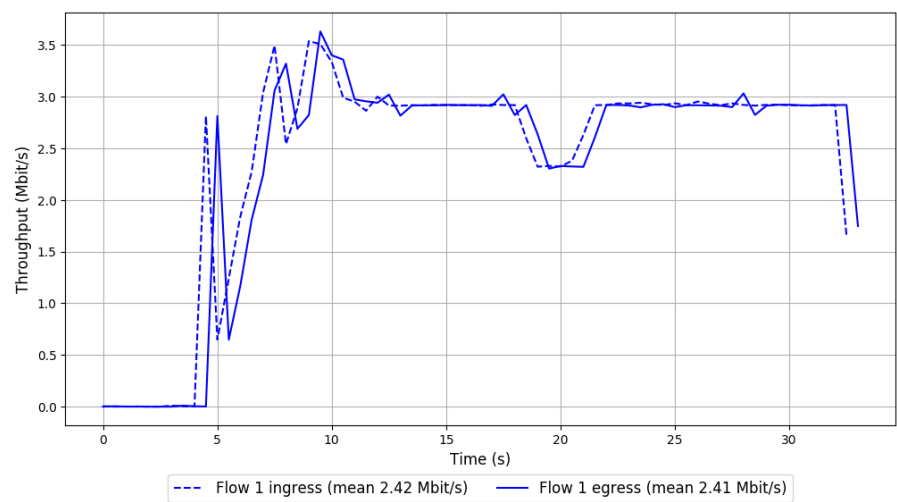


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 05:56:14
End at: 2018-06-05 05:56:44
Local clock offset: -0.416 ms
Remote clock offset: -7.405 ms

Below is generated by plot.py at 2018-06-05 07:41:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 6.889 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 6.889 ms
Loss rate: 0.23%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-05 06:15:15

End at: 2018-06-05 06:15:45

Local clock offset: -0.782 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 8.215 ms

Loss rate: 2.00%

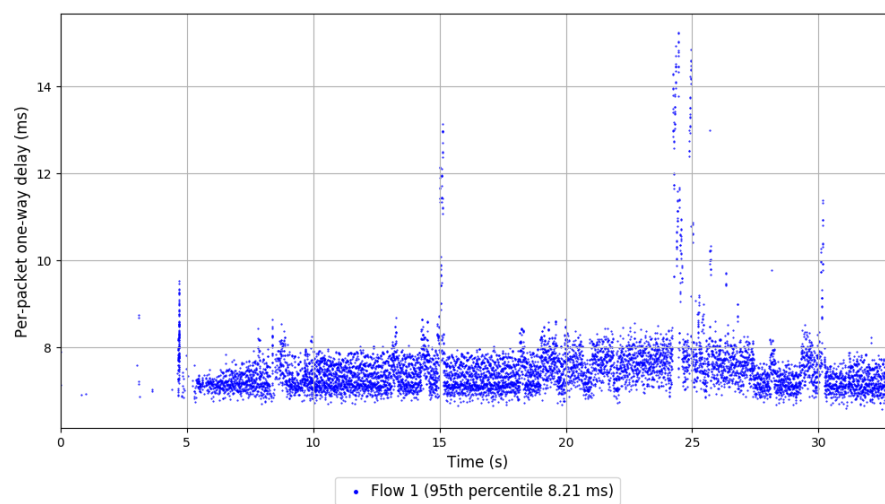
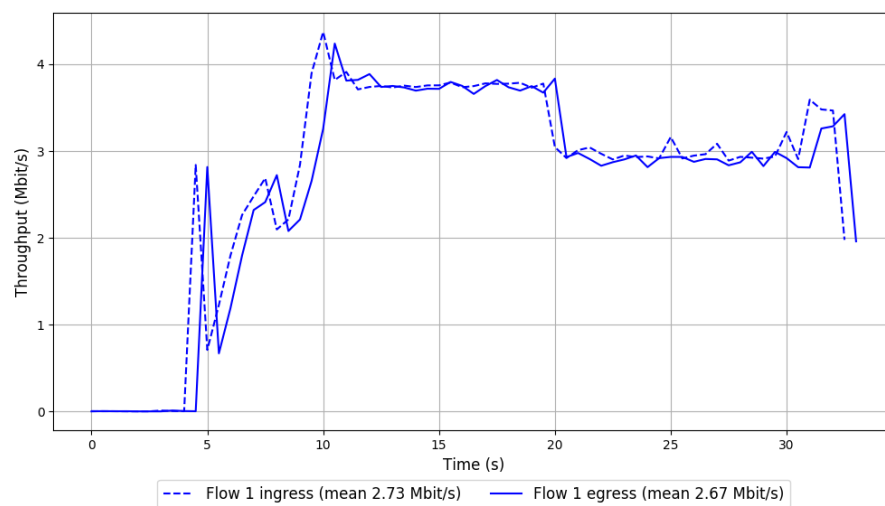
-- Flow 1:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 8.215 ms

Loss rate: 2.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 06:34:05

End at: 2018-06-05 06:34:35

Local clock offset: -2.186 ms

Remote clock offset: 3.978 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 11.029 ms

Loss rate: 2.57%

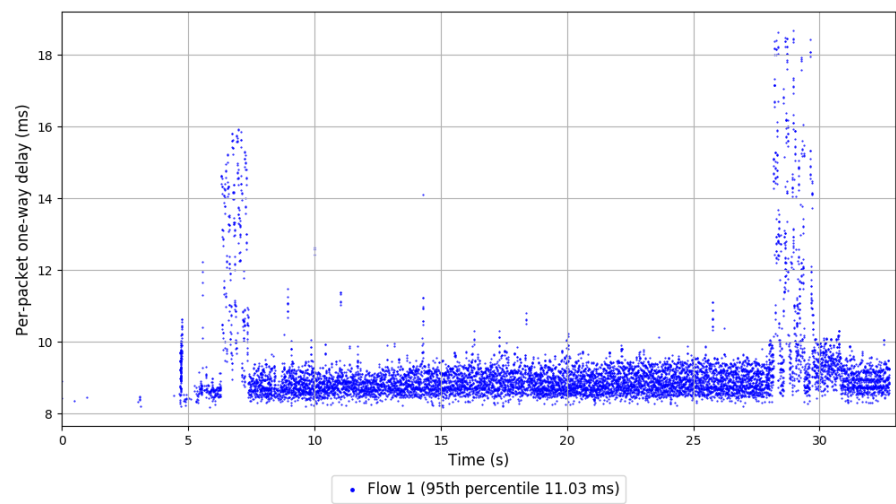
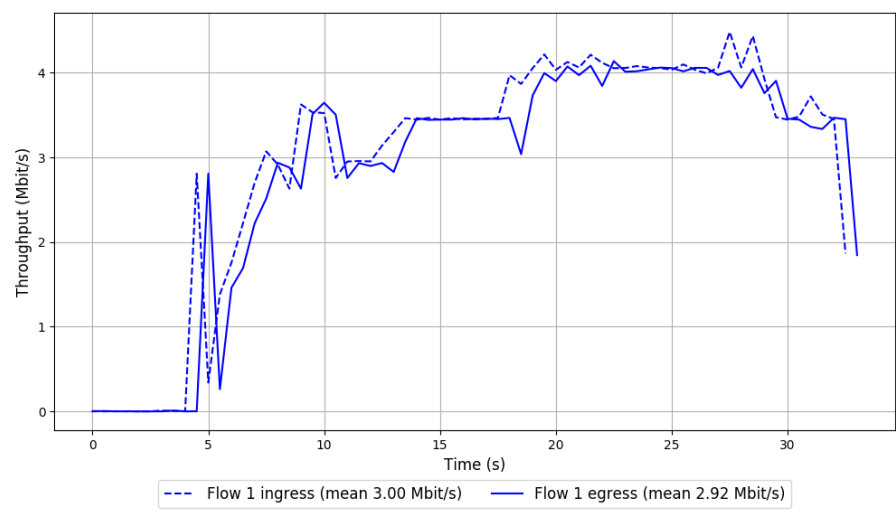
-- Flow 1:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 11.029 ms

Loss rate: 2.57%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-05 06:52:39

End at: 2018-06-05 06:53:09

Local clock offset: -2.32 ms

Remote clock offset: 7.004 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 12.788 ms

Loss rate: 0.00%

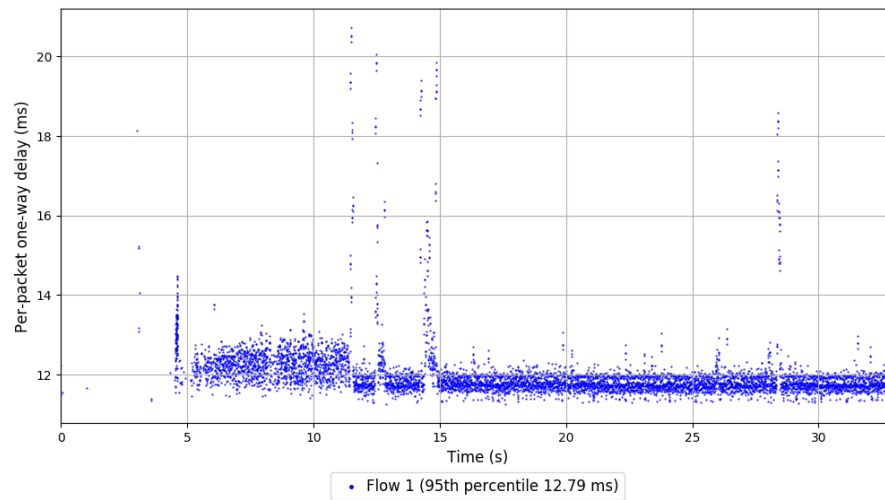
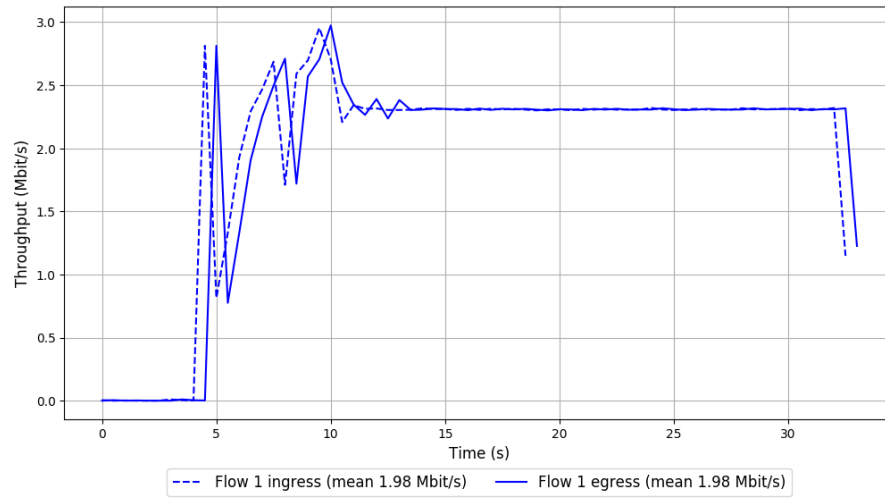
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 12.788 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 07:10:56

End at: 2018-06-05 07:11:26

Local clock offset: 0.699 ms

Remote clock offset: 4.964 ms

Below is generated by plot.py at 2018-06-05 07:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 20.392 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 20.392 ms

Loss rate: 0.04%

Run 10: Report of WebRTC media — Data Link

