

Pantheon Report

Generated at 2018-07-17 12:29:30 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

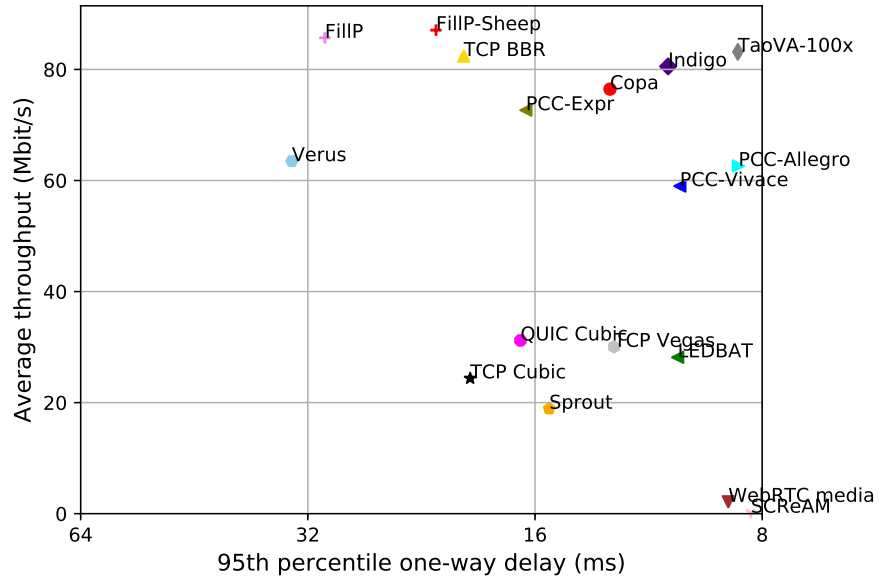
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

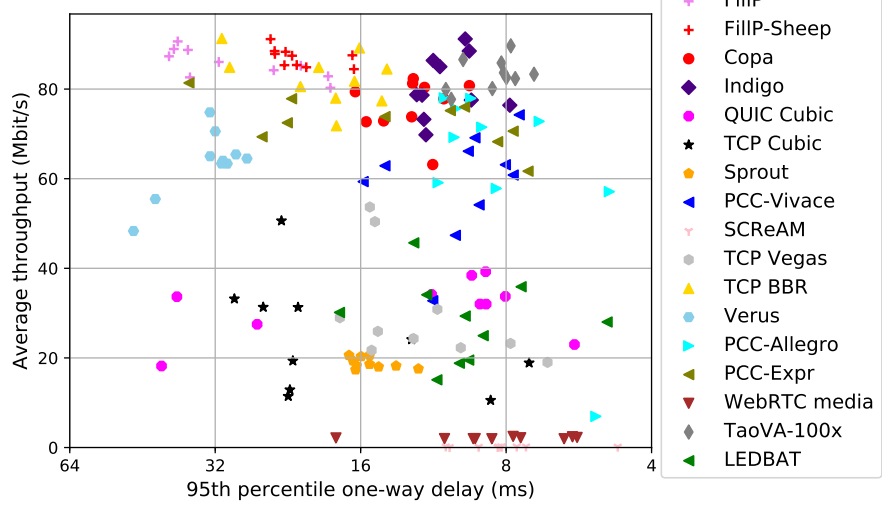
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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 @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
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)



test from AWS India 1 to India, 10 runs of 30s each per 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	82.42	19.89	9.61
Copa	10	76.45	12.73	8.34
TCP Cubic	10	24.37	19.50	0.34
FillP	10	85.69	30.38	11.50
FillP-Sheep	10	87.08	21.64	10.92
Indigo	10	80.54	10.66	8.53
LEDBAT	10	28.16	10.35	0.28
PCC-Allegro	10	62.61	8.60	7.06
PCC-Expr	10	72.66	16.45	6.40
QUIC Cubic	10	31.19	16.73	1.06
SCReAM	10	0.18	8.28	0.33
Sprout	10	18.90	15.32	1.09
TaoVA-100x	10	83.17	8.62	8.39
TCP Vegas	10	30.04	12.57	0.58
Verus	10	63.48	33.60	17.34
PCC-Vivace	10	58.99	10.29	4.78
WebRTC media	10	2.13	8.87	0.38

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 09:01:14

End at: 2018-07-17 09:01:44

Local clock offset: 1.264 ms

Remote clock offset: -8.722 ms

Below is generated by plot.py at 2018-07-17 12:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.76 Mbit/s

95th percentile per-packet one-way delay: 16.476 ms

Loss rate: 10.65%

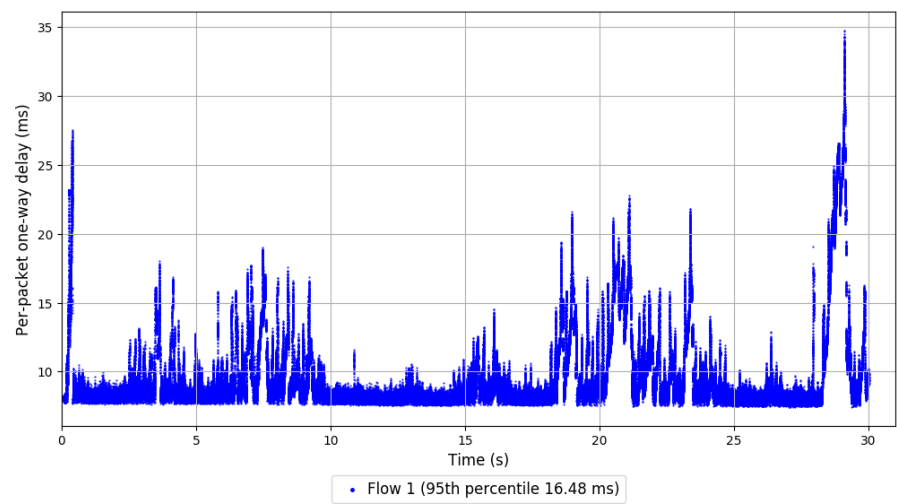
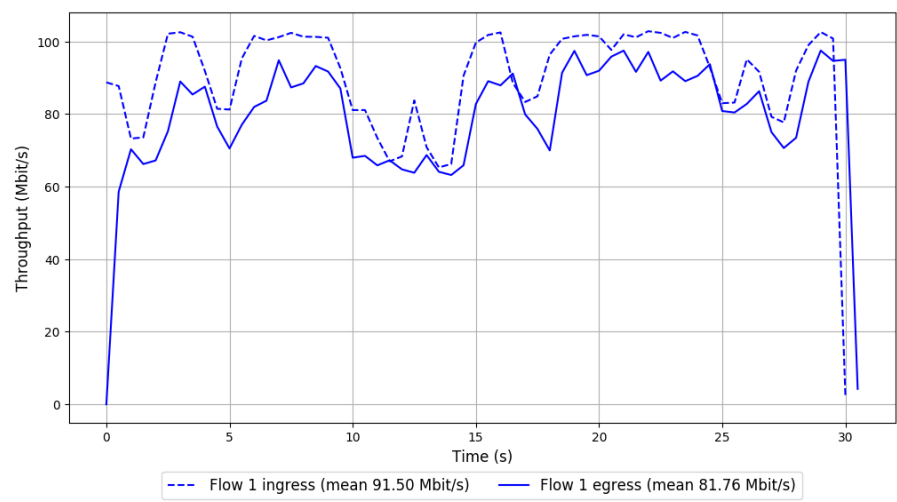
-- Flow 1:

Average throughput: 81.76 Mbit/s

95th percentile per-packet one-way delay: 16.476 ms

Loss rate: 10.65%

Run 1: Report of TCP BBR — Data Link

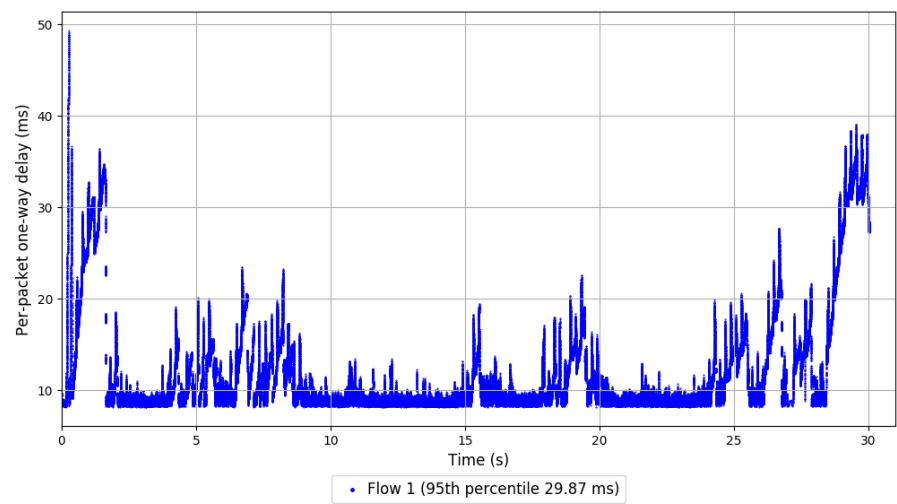
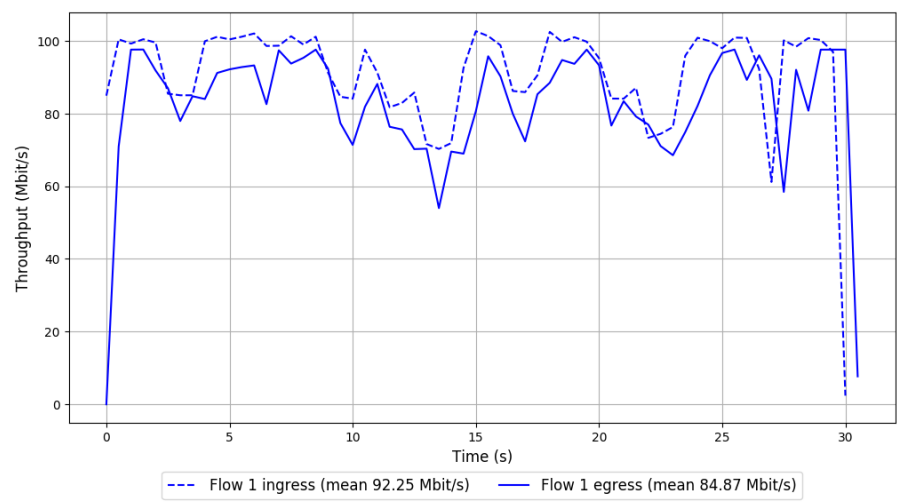


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 09:20:50
End at: 2018-07-17 09:21:20
Local clock offset: -4.228 ms
Remote clock offset: -10.627 ms

Below is generated by plot.py at 2018-07-17 12:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 29.872 ms
Loss rate: 7.95%
-- Flow 1:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 29.872 ms
Loss rate: 7.95%

Run 2: Report of TCP BBR — Data Link

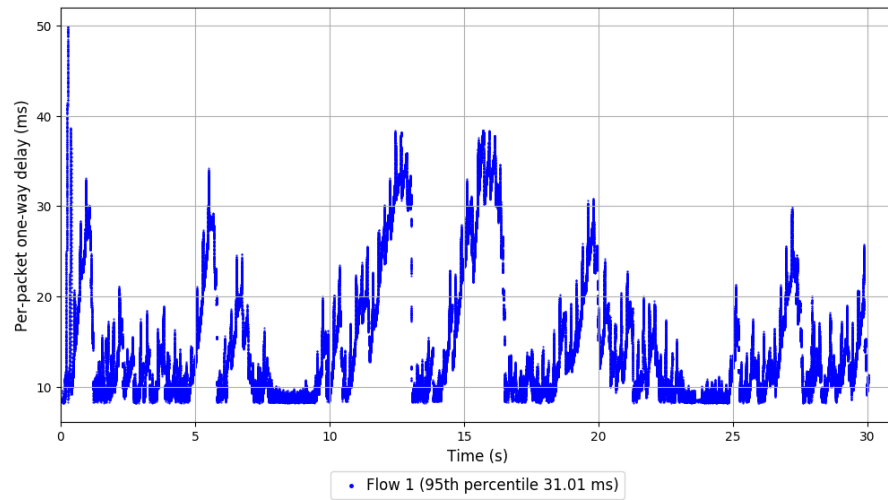
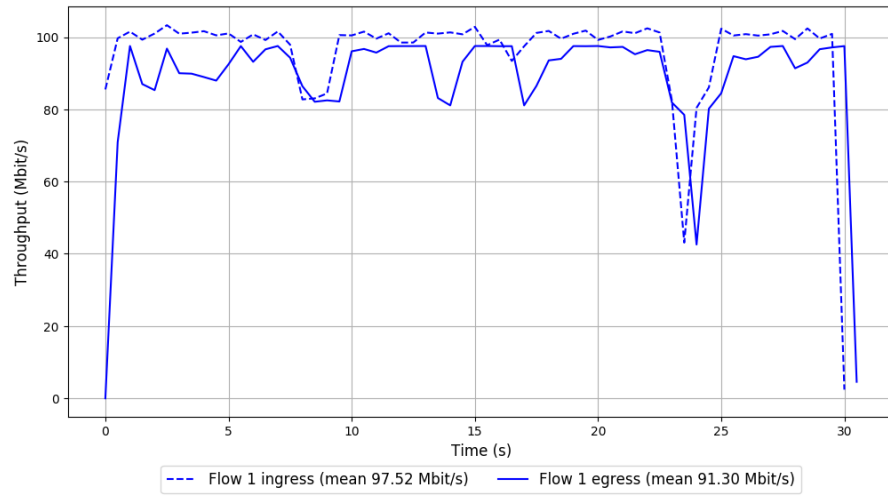


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 09:40:21
End at: 2018-07-17 09:40:51
Local clock offset: -8.106 ms
Remote clock offset: -12.565 ms

Below is generated by plot.py at 2018-07-17 12:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 31.009 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 31.009 ms
Loss rate: 6.37%

Run 3: Report of TCP BBR — Data Link

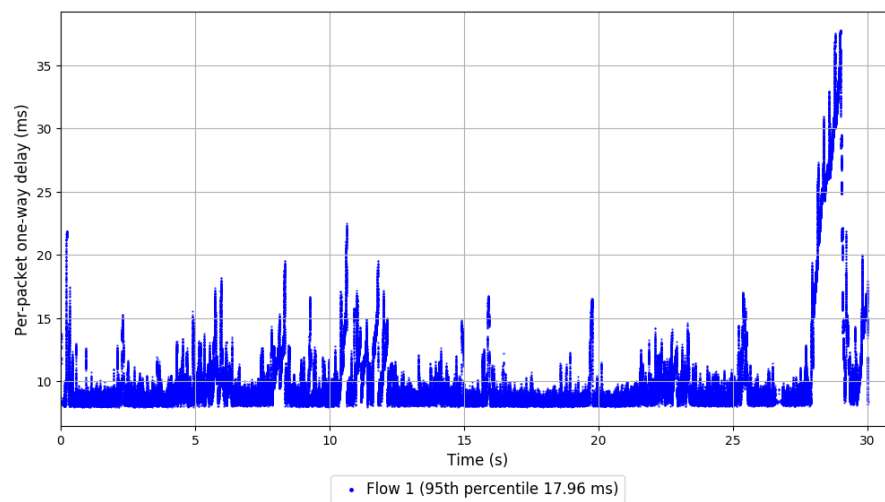
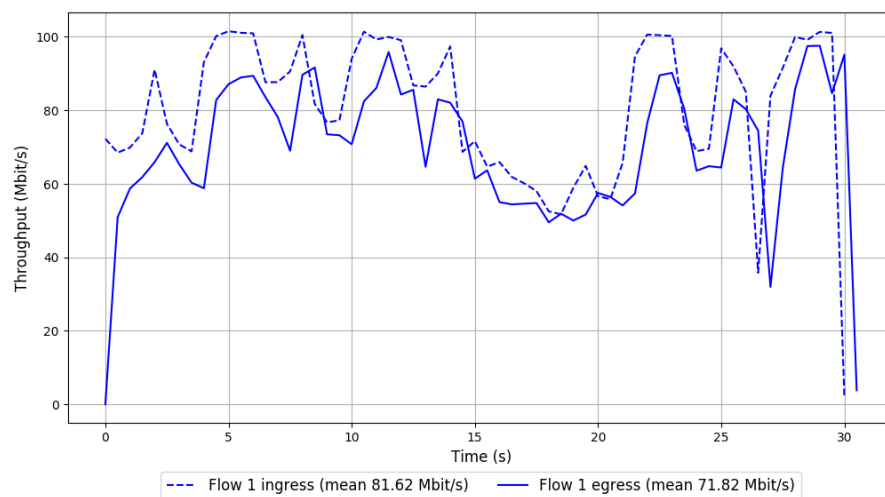


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 10:00:03
End at: 2018-07-17 10:00:33
Local clock offset: -8.321 ms
Remote clock offset: -6.578 ms

Below is generated by plot.py at 2018-07-17 12:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 17.959 ms
Loss rate: 12.02%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 17.959 ms
Loss rate: 12.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-17 10:19:45

End at: 2018-07-17 10:20:16

Local clock offset: -7.71 ms

Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-07-17 12:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 18.019 ms

Loss rate: 10.85%

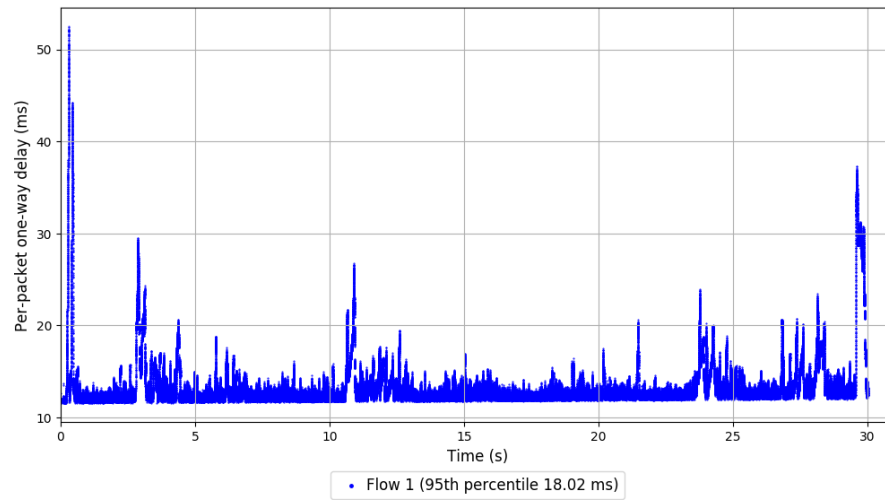
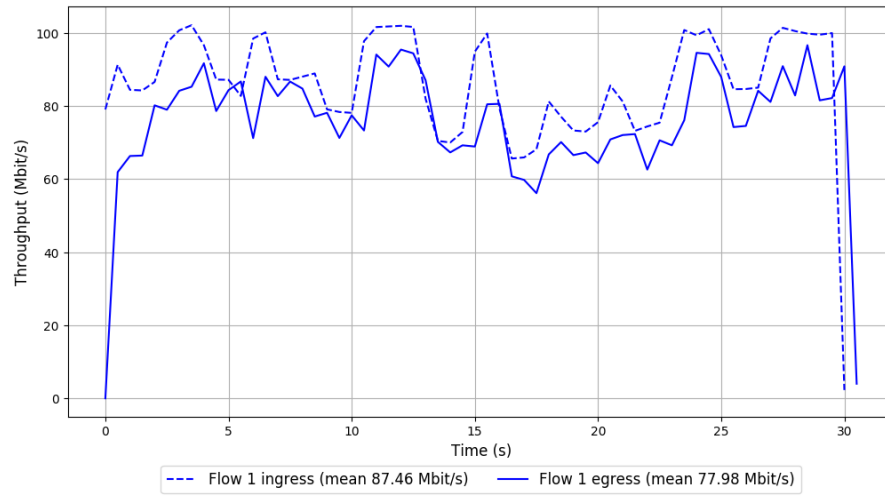
-- Flow 1:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 18.019 ms

Loss rate: 10.85%

Run 5: Report of TCP BBR — Data Link

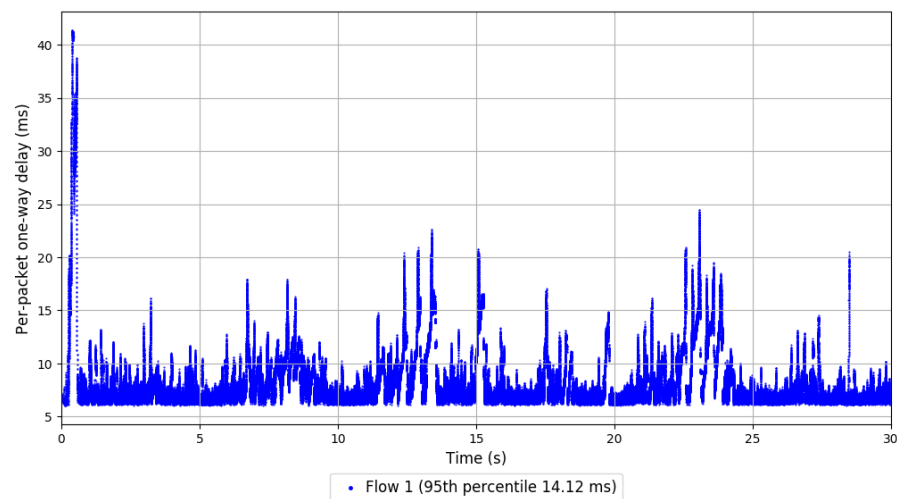
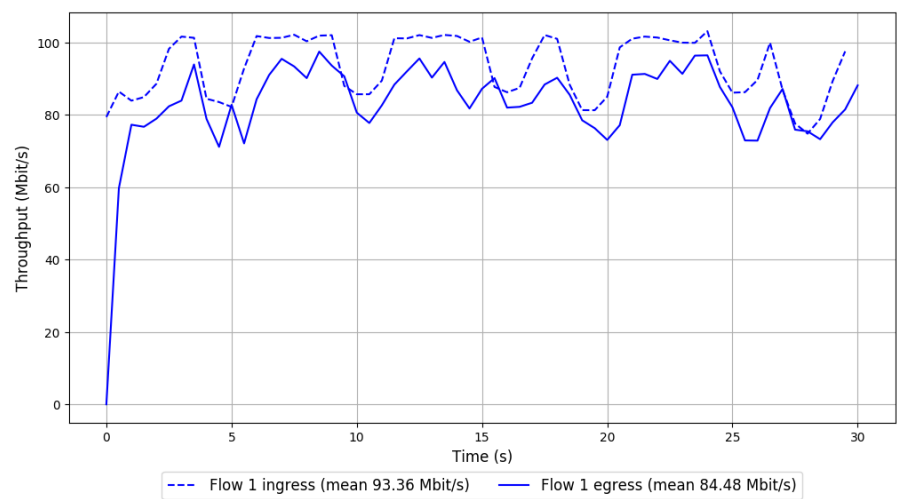


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 10:39:04
End at: 2018-07-17 10:39:34
Local clock offset: -7.738 ms
Remote clock offset: -18.691 ms

Below is generated by plot.py at 2018-07-17 12:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 14.117 ms
Loss rate: 9.51%
-- Flow 1:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 14.117 ms
Loss rate: 9.51%

Run 6: Report of TCP BBR — Data Link

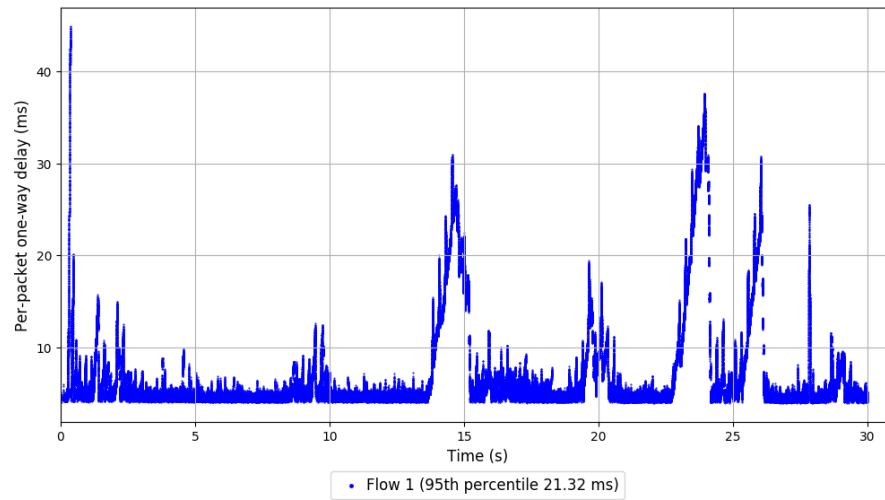
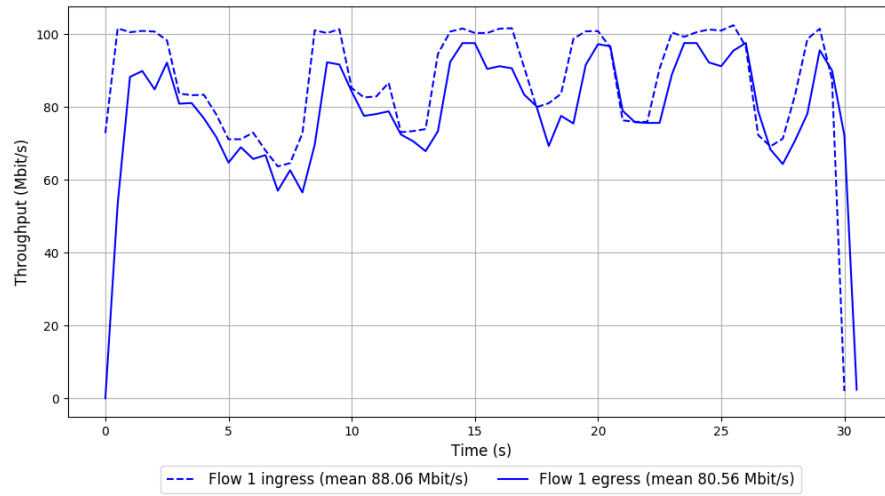


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 10:59:03
End at: 2018-07-17 10:59:33
Local clock offset: -7.231 ms
Remote clock offset: -15.651 ms

Below is generated by plot.py at 2018-07-17 12:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 21.316 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 21.316 ms
Loss rate: 8.52%

Run 7: Report of TCP BBR — Data Link

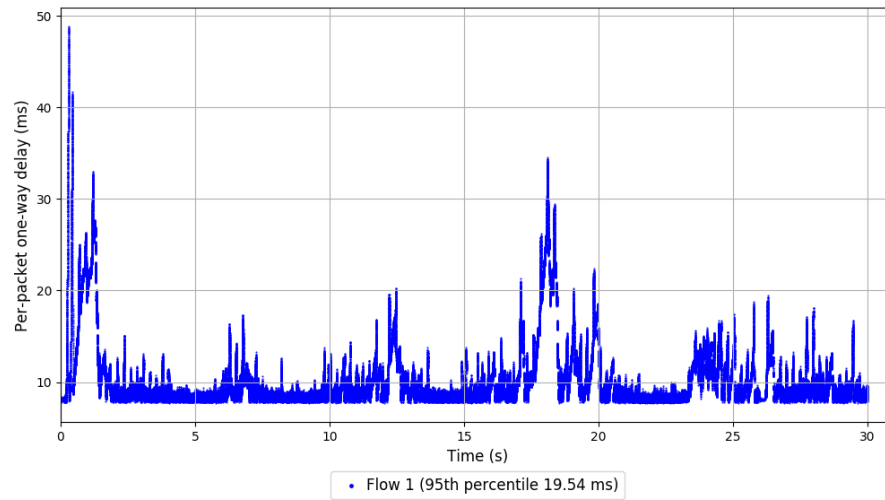
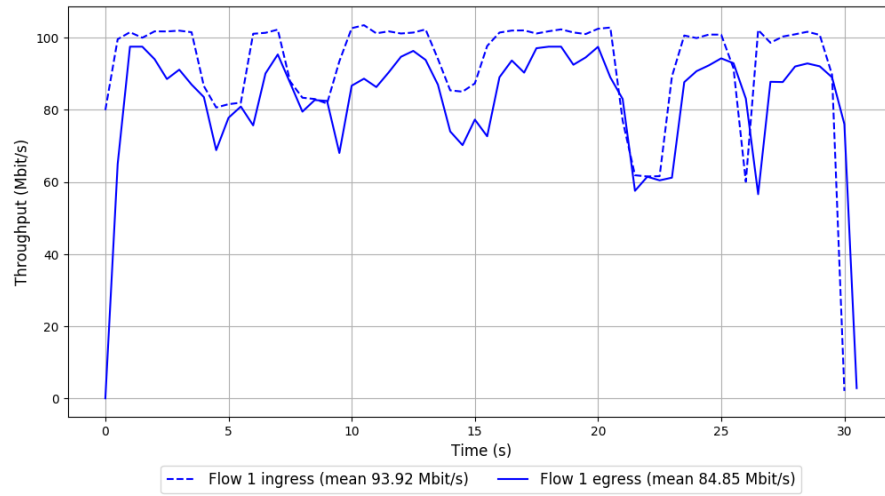


Run 8: Statistics of TCP BBR

Start at: 2018-07-17 11:18:54
End at: 2018-07-17 11:19:24
Local clock offset: -8.99 ms
Remote clock offset: -13.472 ms

Below is generated by plot.py at 2018-07-17 12:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 9.67%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 9.67%

Run 8: Report of TCP BBR — Data Link

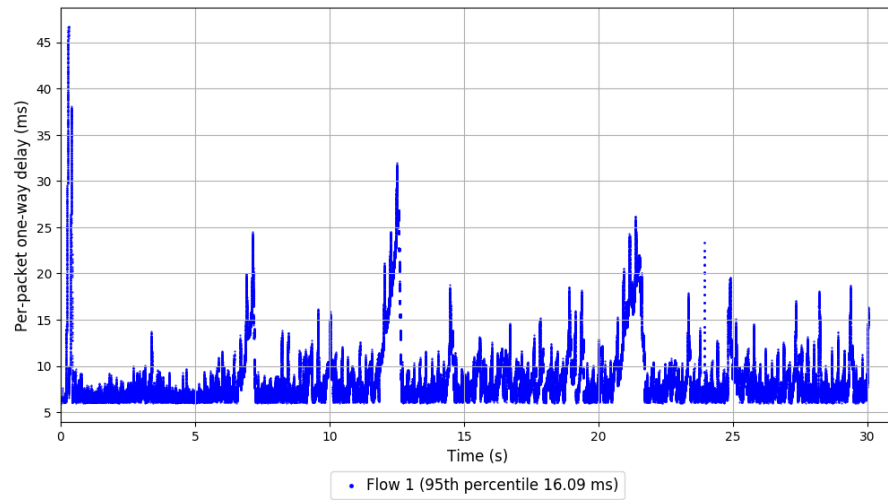
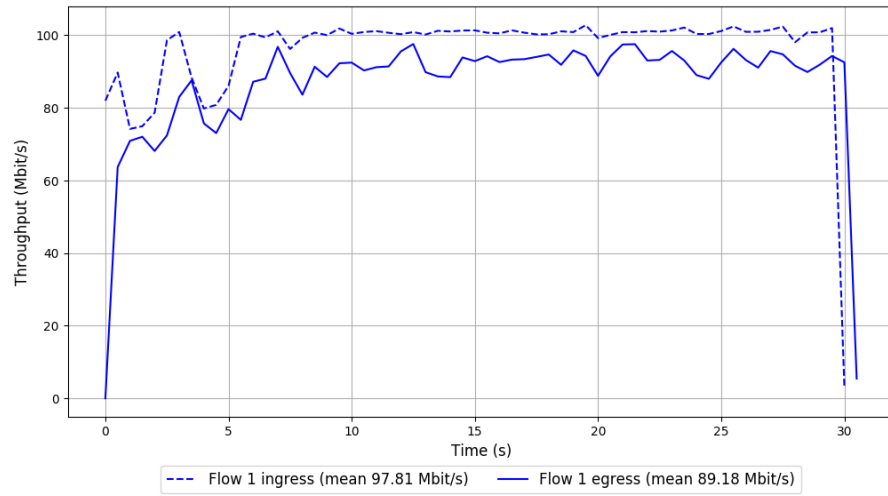


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 11:38:56
End at: 2018-07-17 11:39:26
Local clock offset: -7.082 ms
Remote clock offset: -9.466 ms

Below is generated by plot.py at 2018-07-17 12:13:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 16.091 ms
Loss rate: 8.79%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 16.091 ms
Loss rate: 8.79%

Run 9: Report of TCP BBR — Data Link

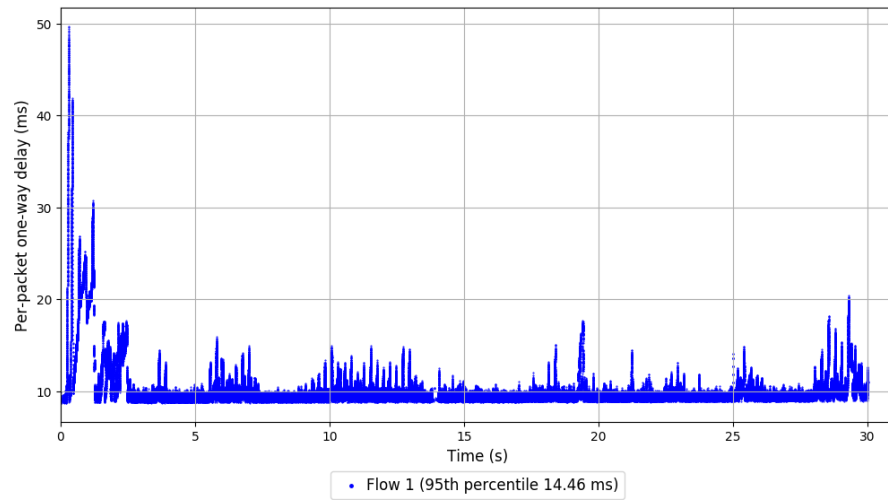
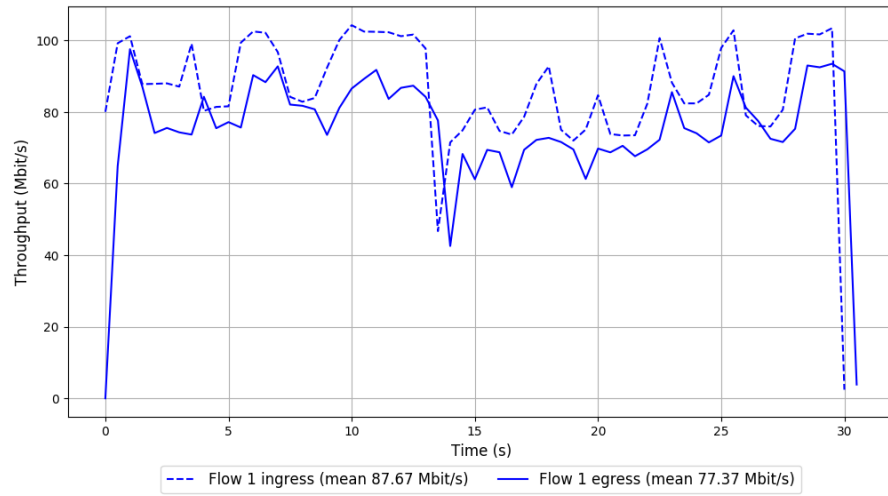


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 11:59:02
End at: 2018-07-17 11:59:32
Local clock offset: -4.137 ms
Remote clock offset: -6.962 ms

Below is generated by plot.py at 2018-07-17 12:13:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 14.465 ms
Loss rate: 11.76%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 14.465 ms
Loss rate: 11.76%

Run 10: Report of TCP BBR — Data Link

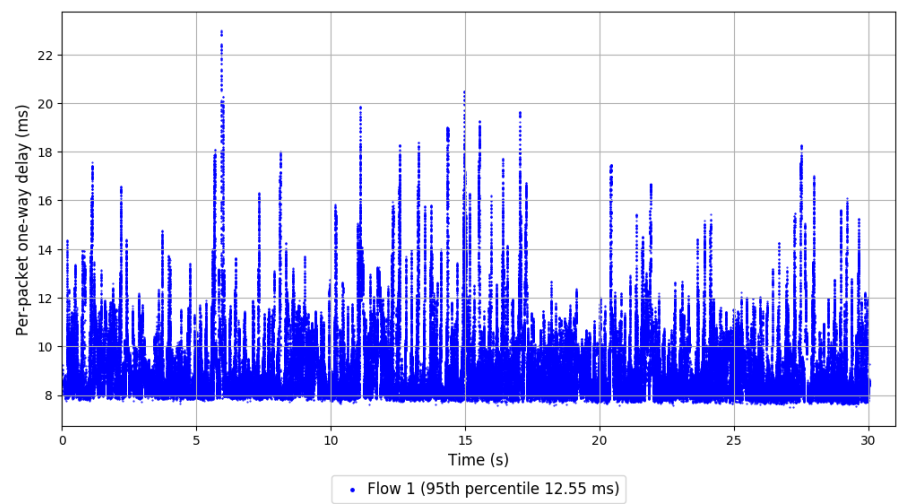
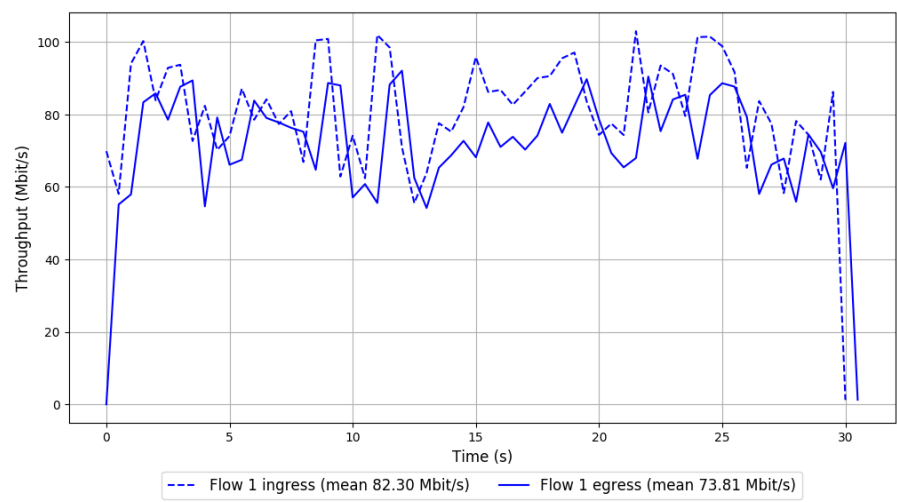


Run 1: Statistics of Copa

Start at: 2018-07-17 09:03:37
End at: 2018-07-17 09:04:07
Local clock offset: -0.687 ms
Remote clock offset: -9.224 ms

Below is generated by plot.py at 2018-07-17 12:14:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 12.547 ms
Loss rate: 10.32%
-- Flow 1:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 12.547 ms
Loss rate: 10.32%

Run 1: Report of Copa — Data Link

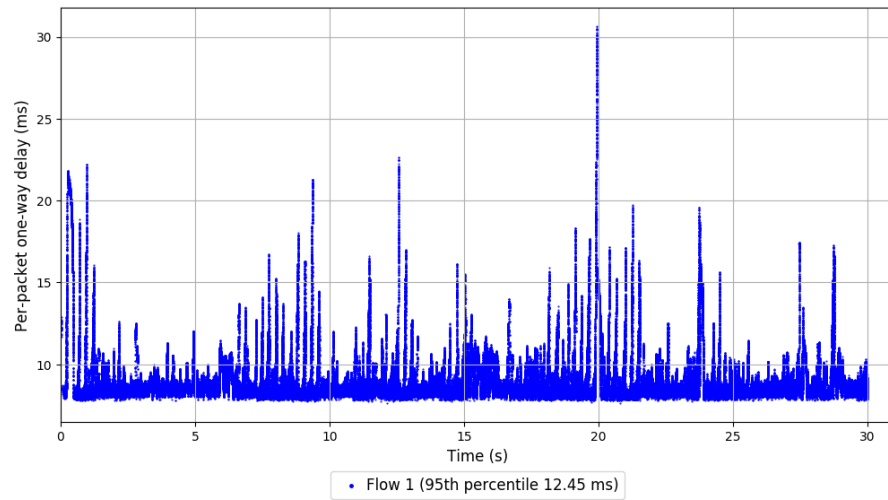
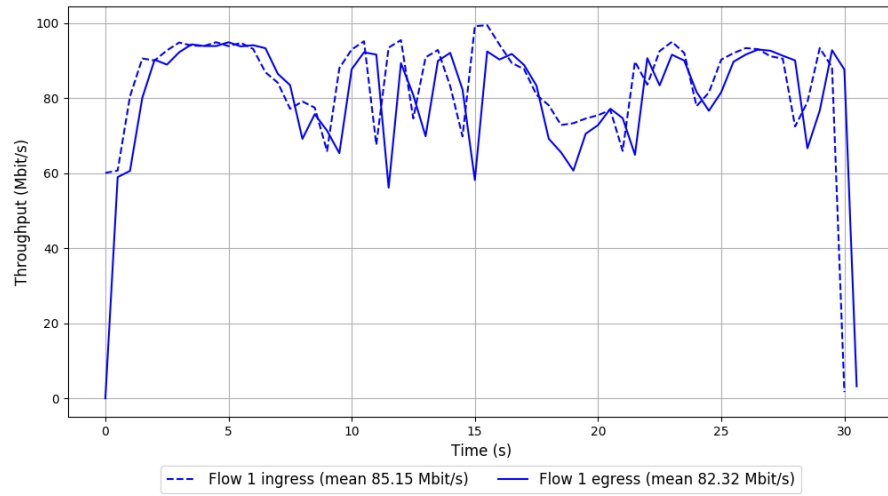


Run 2: Statistics of Copa

Start at: 2018-07-17 09:23:11
End at: 2018-07-17 09:23:41
Local clock offset: -4.659 ms
Remote clock offset: -11.396 ms

Below is generated by plot.py at 2018-07-17 12:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 12.452 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 12.452 ms
Loss rate: 3.32%

Run 2: Report of Copa — Data Link

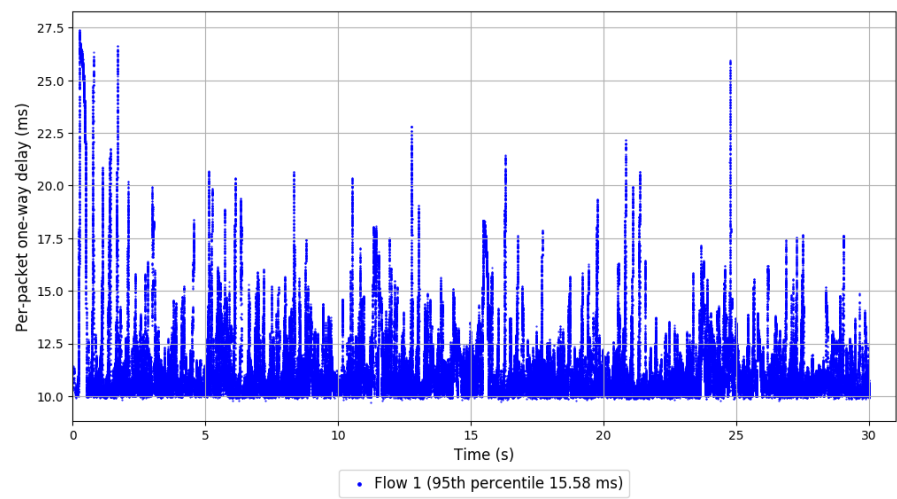
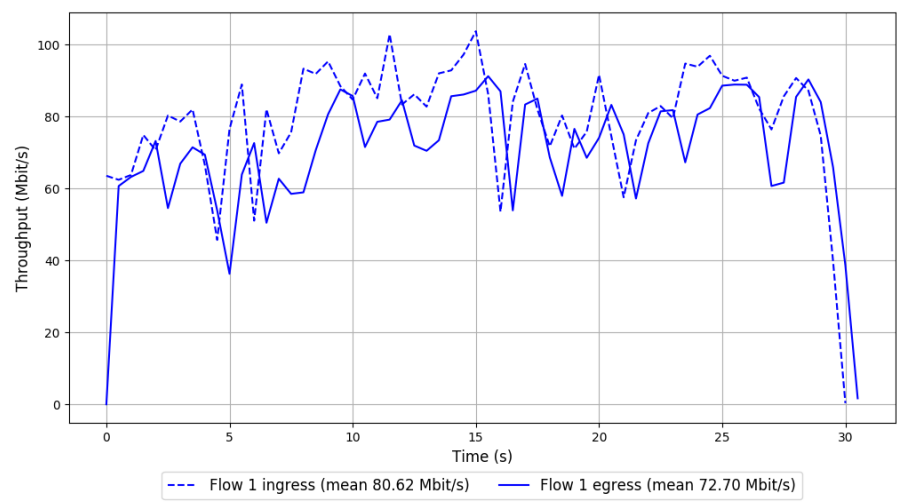


Run 3: Statistics of Copa

Start at: 2018-07-17 09:42:43
End at: 2018-07-17 09:43:13
Local clock offset: -8.876 ms
Remote clock offset: -12.516 ms

Below is generated by plot.py at 2018-07-17 12:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 15.584 ms
Loss rate: 9.84%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 15.584 ms
Loss rate: 9.84%

Run 3: Report of Copa — Data Link

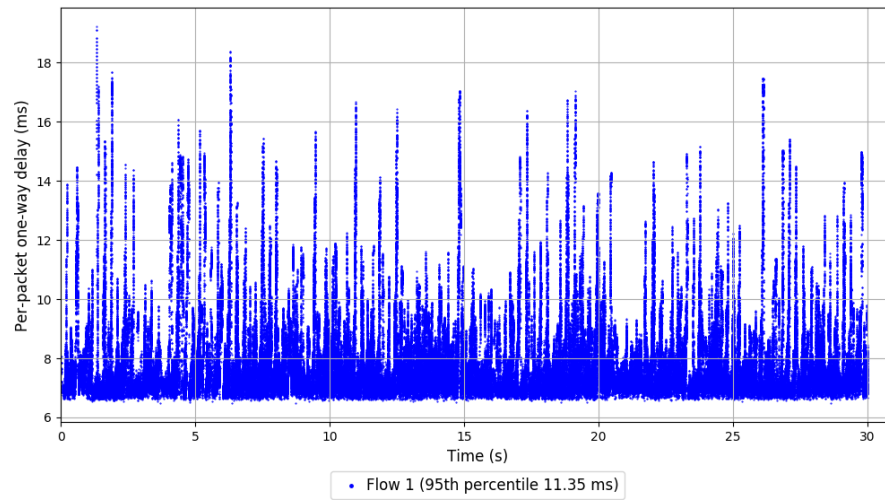
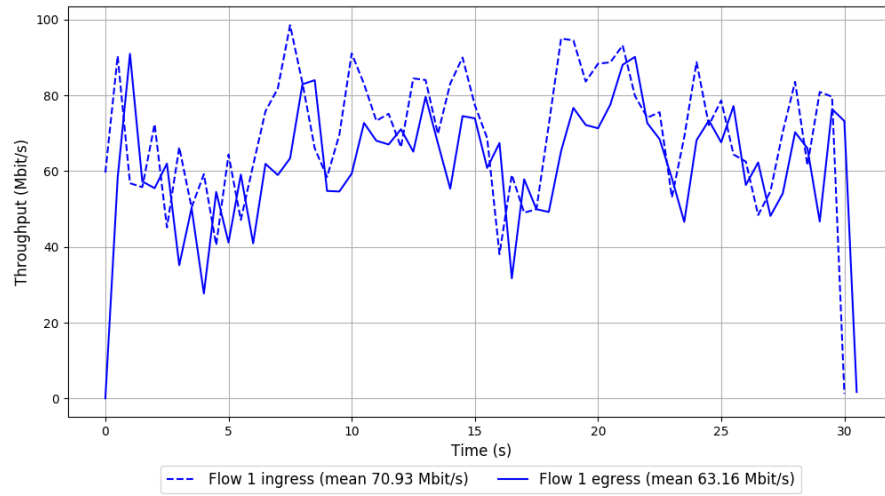


Run 4: Statistics of Copa

Start at: 2018-07-17 10:02:25
End at: 2018-07-17 10:02:55
Local clock offset: -6.299 ms
Remote clock offset: -6.267 ms

Below is generated by plot.py at 2018-07-17 12:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 10.96%

Run 4: Report of Copa — Data Link

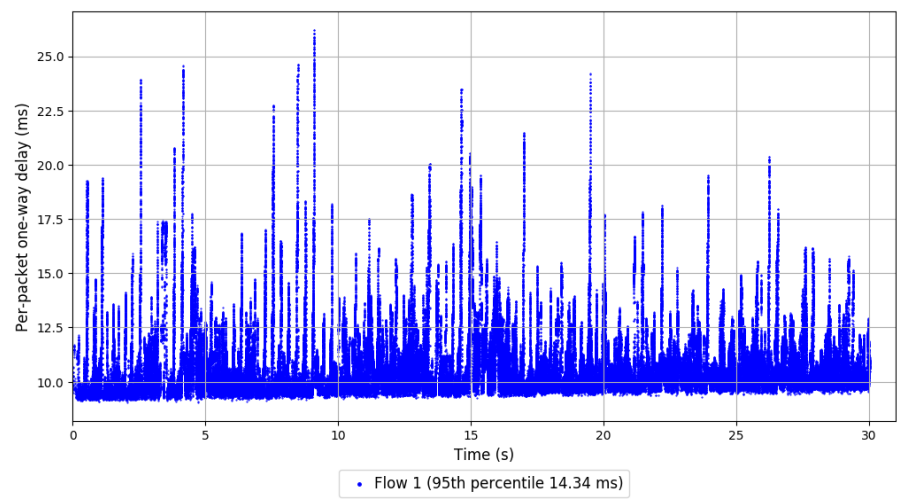
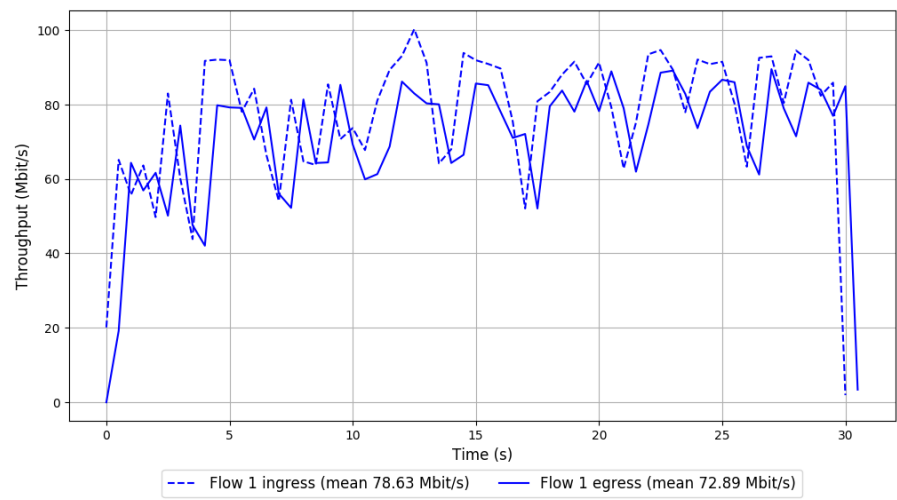


Run 5: Statistics of Copa

Start at: 2018-07-17 10:22:04
End at: 2018-07-17 10:22:34
Local clock offset: -4.186 ms
Remote clock offset: -7.537 ms

Below is generated by plot.py at 2018-07-17 12:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 14.341 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 14.341 ms
Loss rate: 7.30%

Run 5: Report of Copa — Data Link

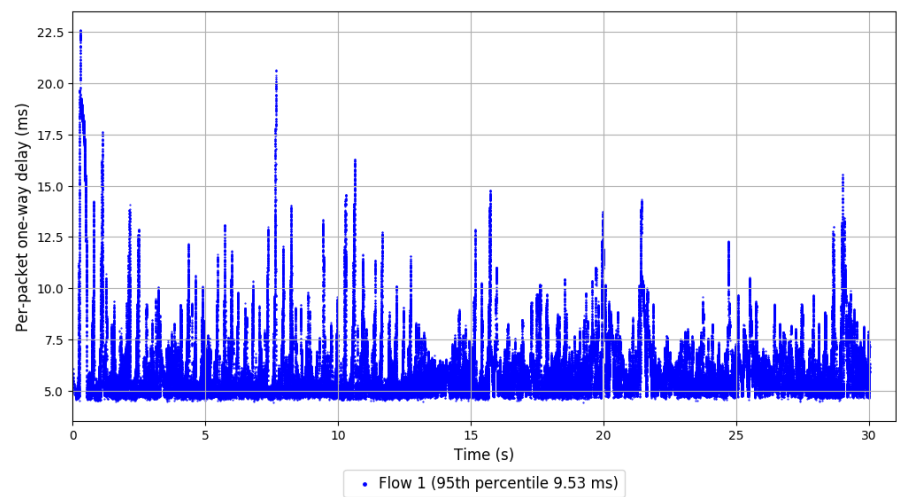
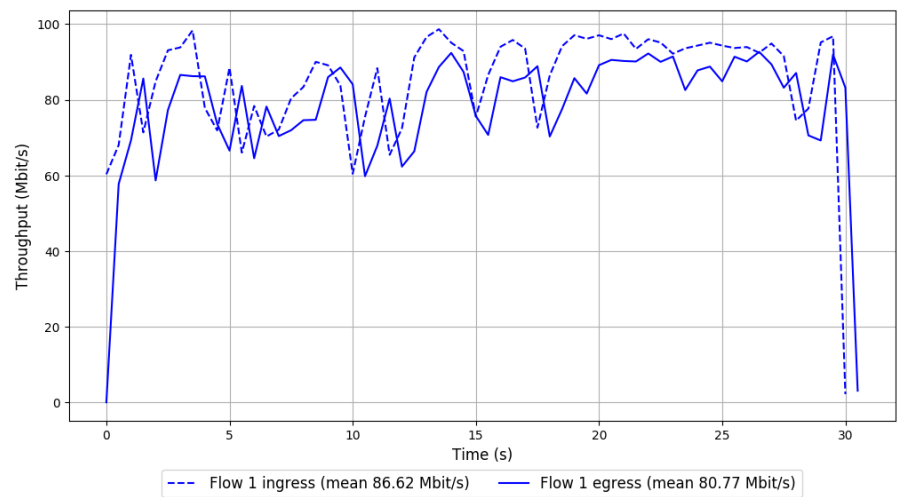


Run 6: Statistics of Copa

Start at: 2018-07-17 10:41:29
End at: 2018-07-17 10:41:59
Local clock offset: -7.467 ms
Remote clock offset: -18.448 ms

Below is generated by plot.py at 2018-07-17 12:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 6.75%

Run 6: Report of Copa — Data Link

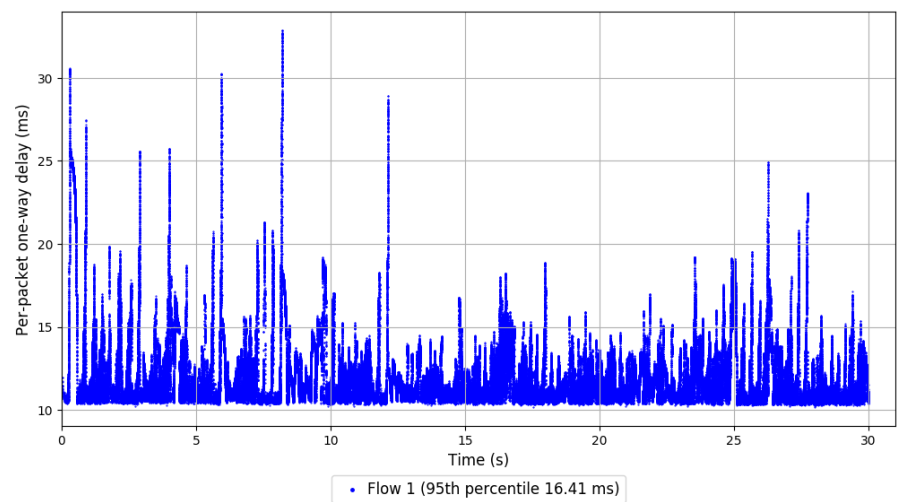
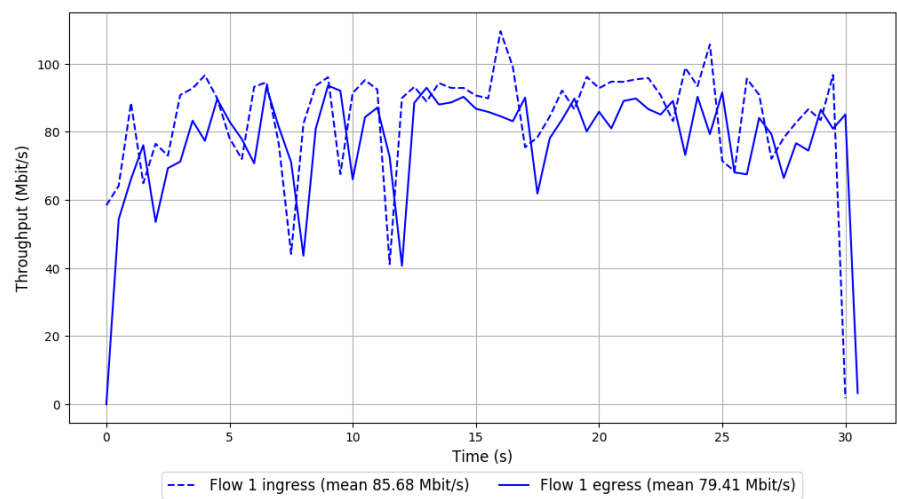


Run 7: Statistics of Copa

Start at: 2018-07-17 11:01:22
End at: 2018-07-17 11:01:52
Local clock offset: -10.385 ms
Remote clock offset: -13.759 ms

Below is generated by plot.py at 2018-07-17 12:15:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 16.414 ms
Loss rate: 7.33%
-- Flow 1:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 16.414 ms
Loss rate: 7.33%

Run 7: Report of Copa — Data Link

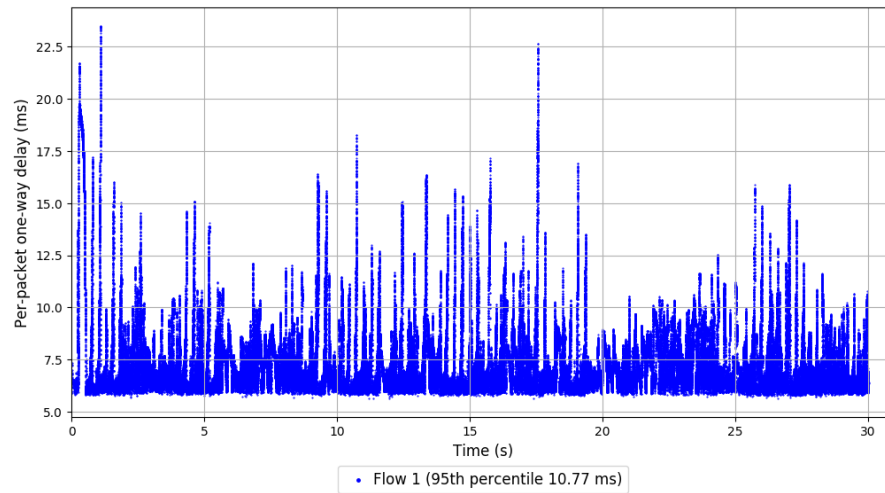
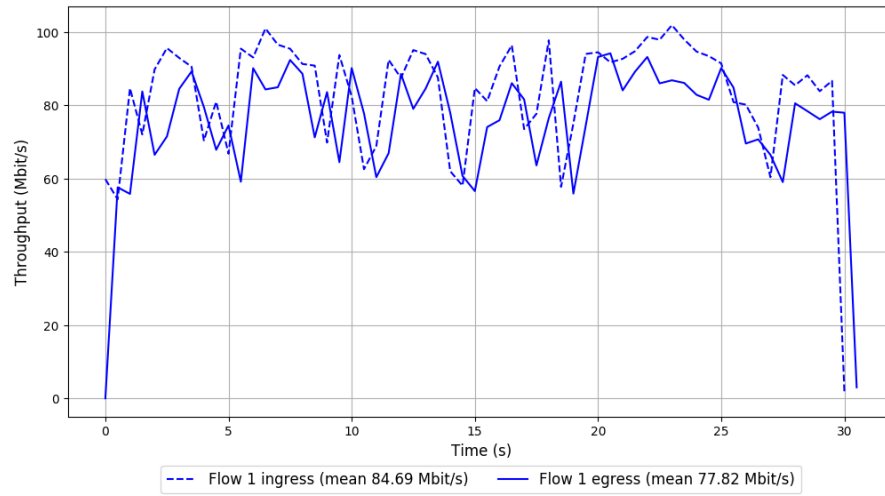


Run 8: Statistics of Copa

Start at: 2018-07-17 11:21:18
End at: 2018-07-17 11:21:48
Local clock offset: -7.966 ms
Remote clock offset: -12.629 ms

Below is generated by plot.py at 2018-07-17 12:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 10.765 ms
Loss rate: 8.11%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 10.765 ms
Loss rate: 8.11%

Run 8: Report of Copa — Data Link

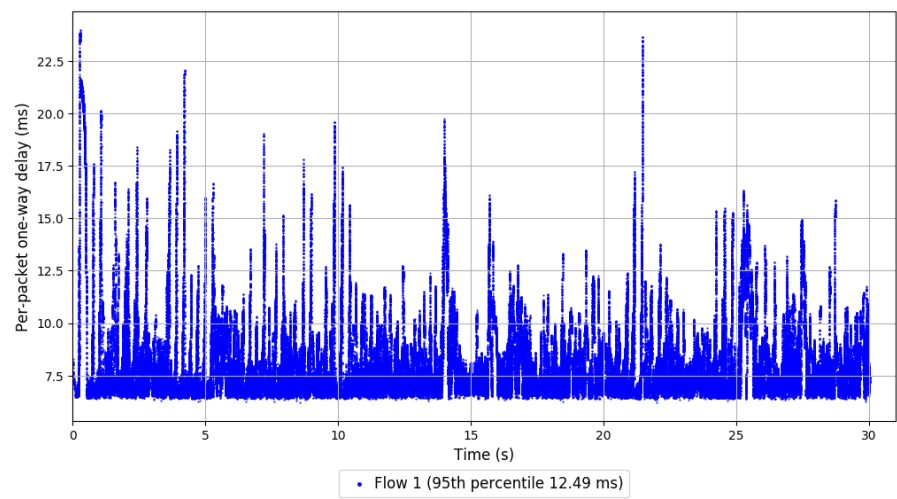
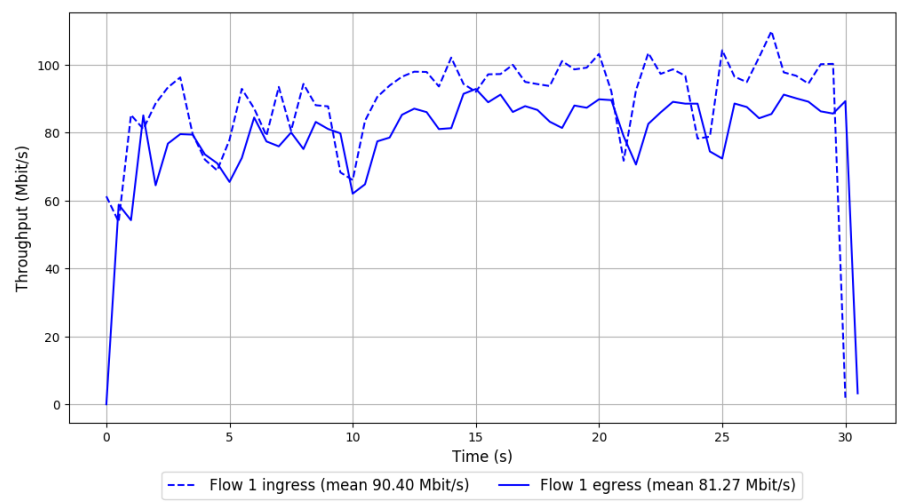


Run 9: Statistics of Copa

Start at: 2018-07-17 11:41:27
End at: 2018-07-17 11:41:57
Local clock offset: -7.401 ms
Remote clock offset: -9.201 ms

Below is generated by plot.py at 2018-07-17 12:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 12.490 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 12.490 ms
Loss rate: 10.10%

Run 9: Report of Copa — Data Link

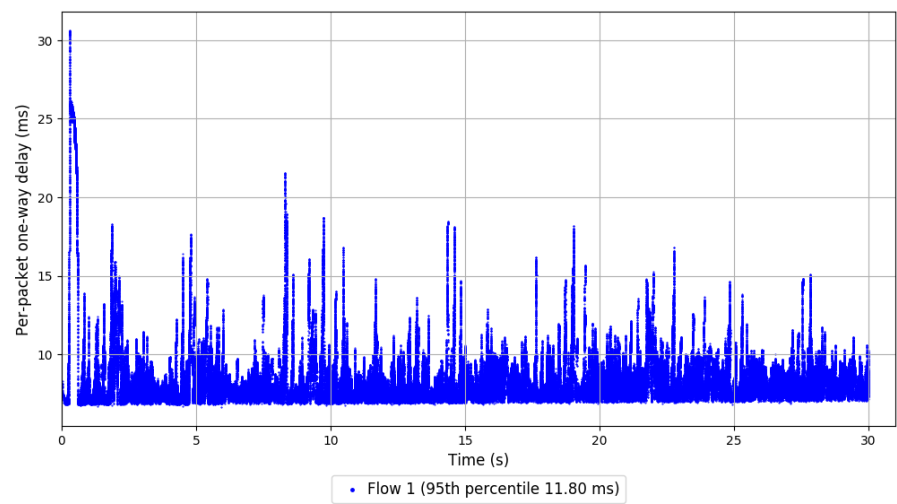
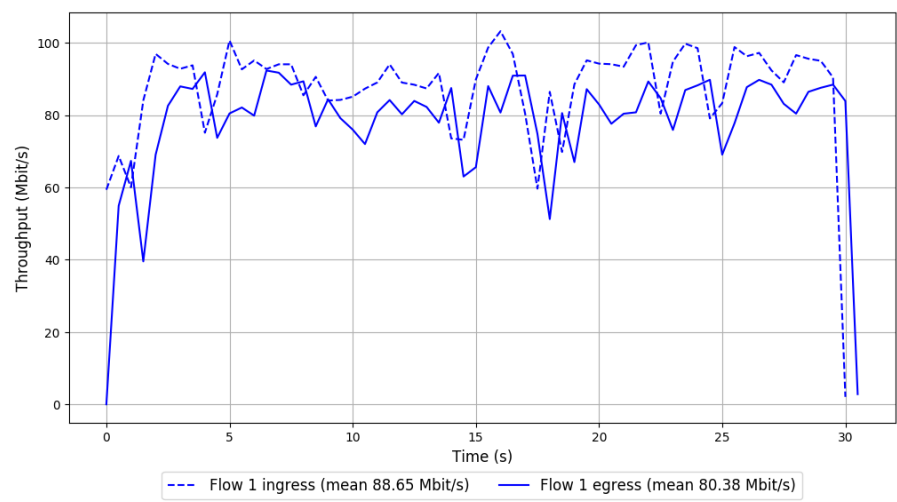


Run 10: Statistics of Copa

Start at: 2018-07-17 12:01:33
End at: 2018-07-17 12:02:03
Local clock offset: -0.157 ms
Remote clock offset: -6.374 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 11.801 ms
Loss rate: 9.33%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 11.801 ms
Loss rate: 9.33%

Run 10: Report of Copa — Data Link

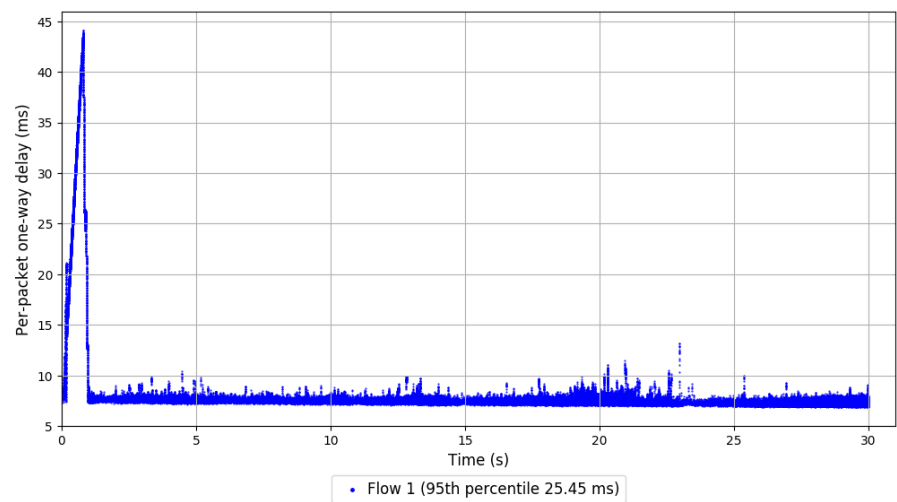
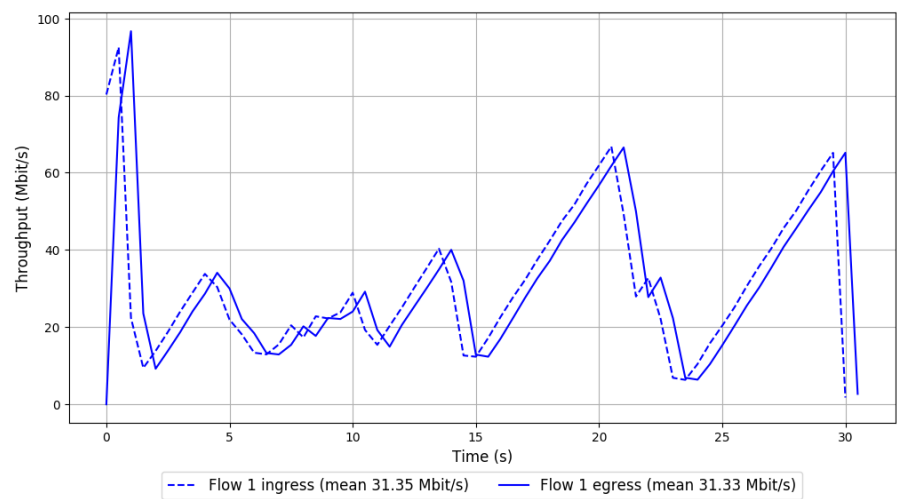


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 08:55:29
End at: 2018-07-17 08:55:59
Local clock offset: 5.713 ms
Remote clock offset: -8.602 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 25.454 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 25.454 ms
Loss rate: 0.07%

Run 1: Report of TCP Cubic — Data Link

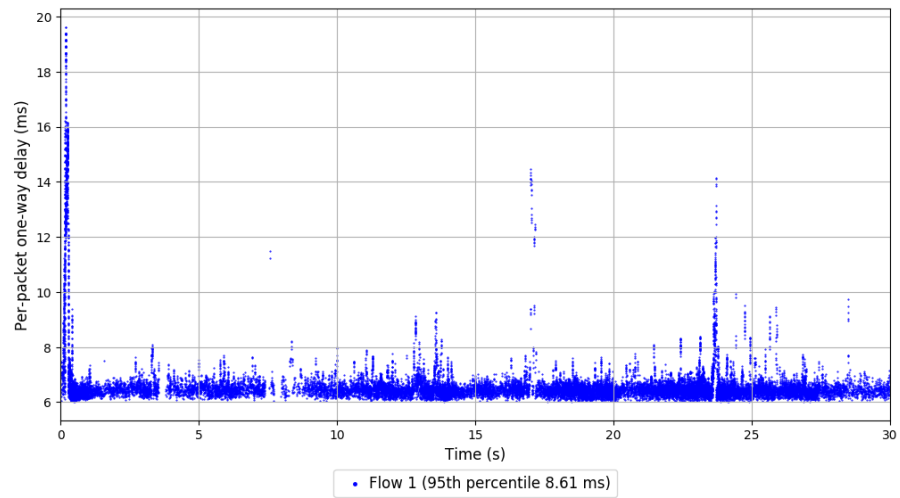
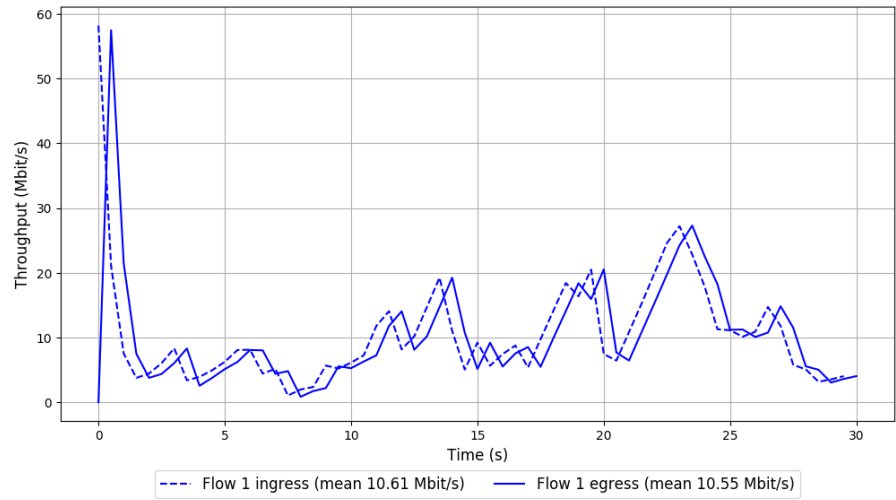


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 09:15:05
End at: 2018-07-17 09:15:35
Local clock offset: -1.749 ms
Remote clock offset: -10.204 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 0.60%

Run 2: Report of TCP Cubic — Data Link

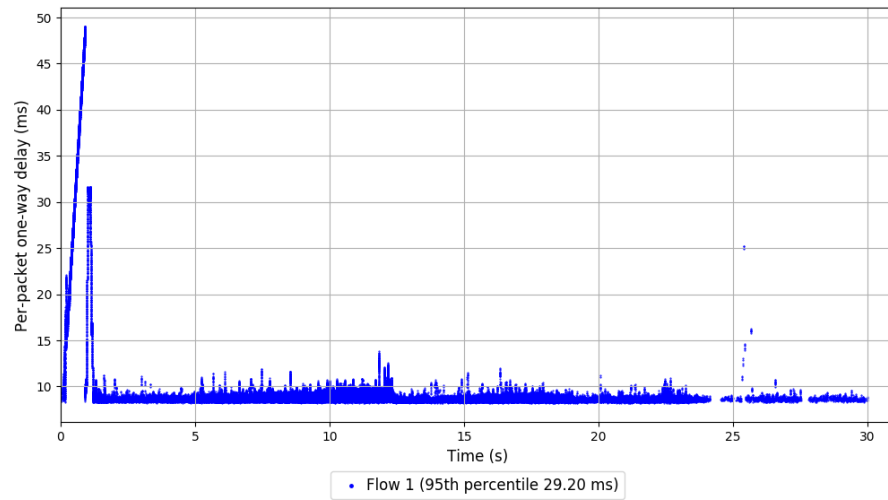
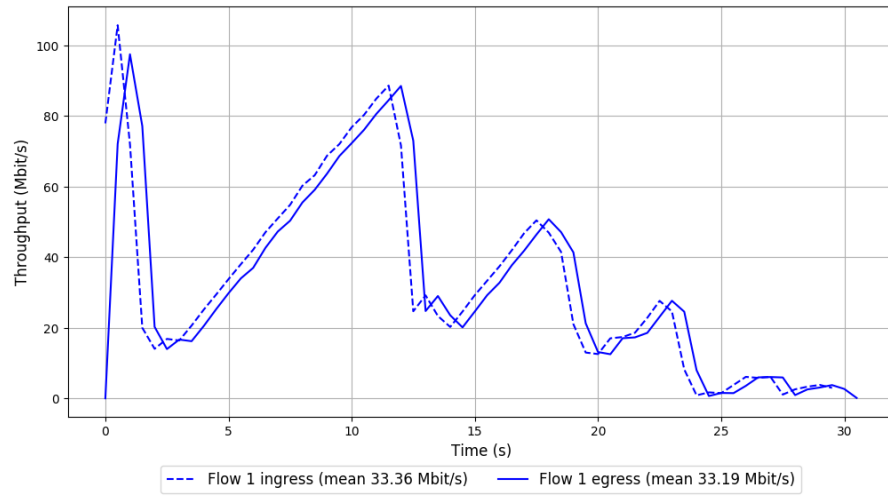


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 09:34:32
End at: 2018-07-17 09:35:02
Local clock offset: -6.634 ms
Remote clock offset: -11.549 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 29.203 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 29.203 ms
Loss rate: 0.53%

Run 3: Report of TCP Cubic — Data Link

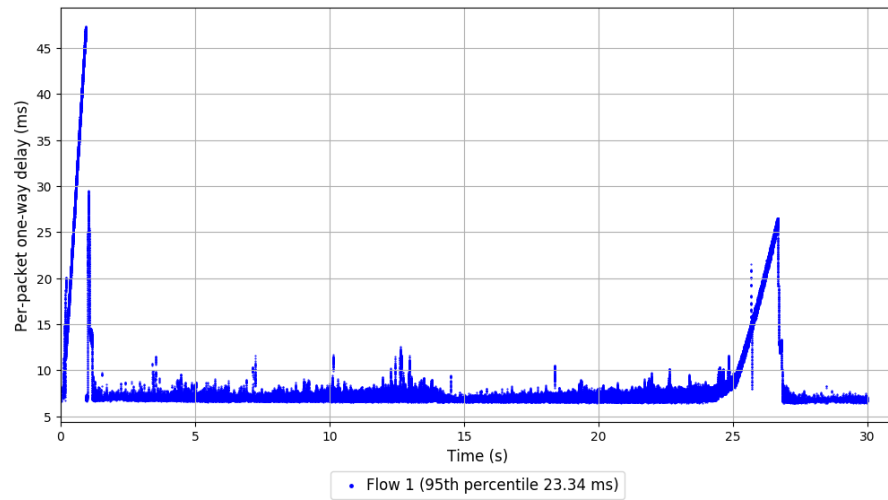
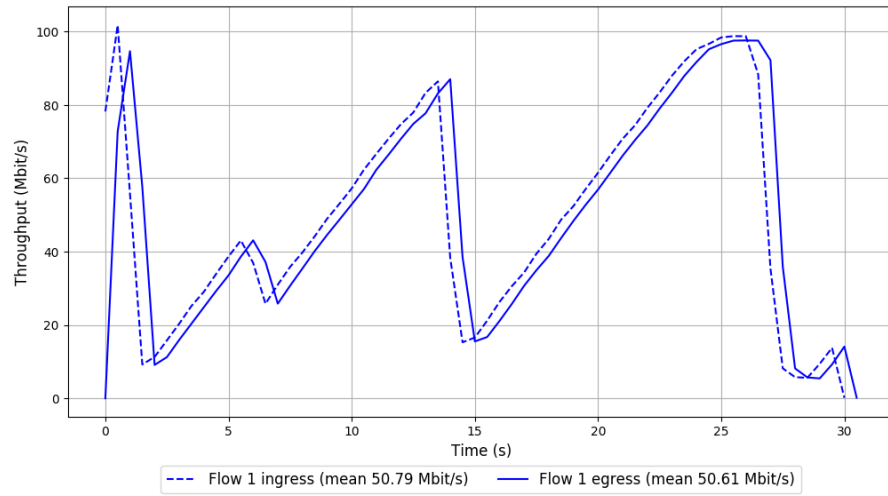


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 09:54:11
End at: 2018-07-17 09:54:41
Local clock offset: -9.877 ms
Remote clock offset: -8.211 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 23.337 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 23.337 ms
Loss rate: 0.37%

Run 4: Report of TCP Cubic — Data Link

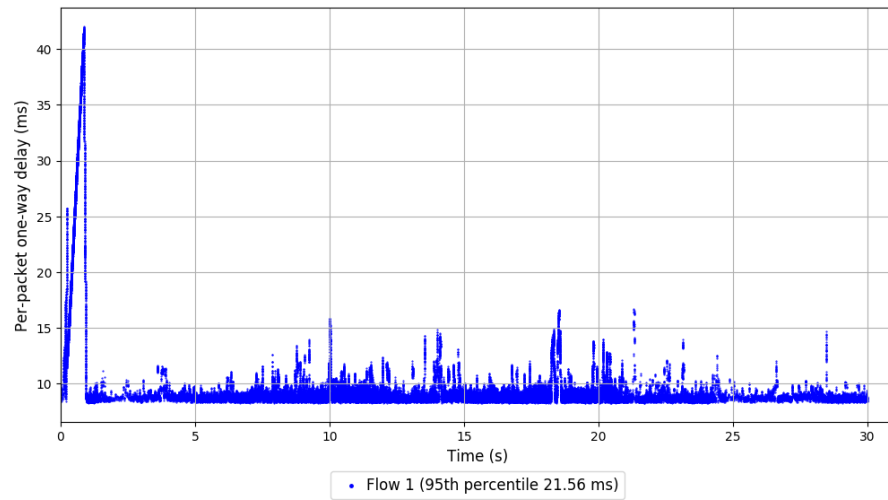
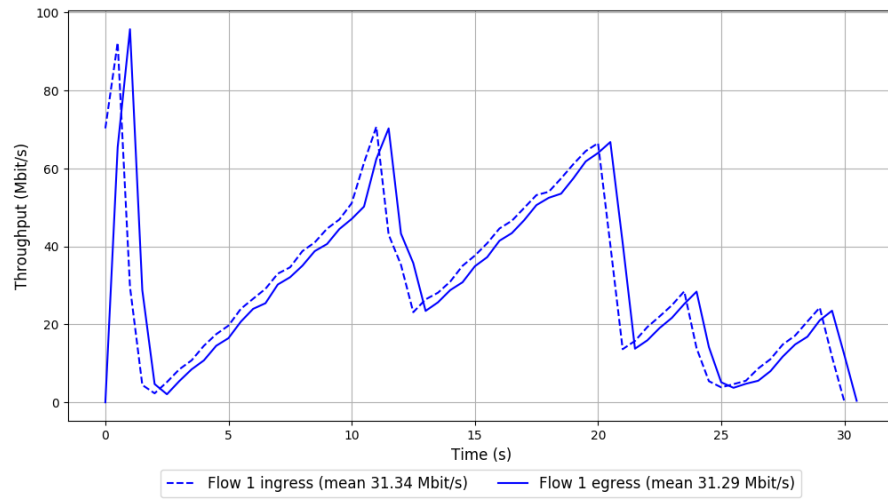


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 10:13:53
End at: 2018-07-17 10:14:23
Local clock offset: -6.242 ms
Remote clock offset: -5.905 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 21.562 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 21.562 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

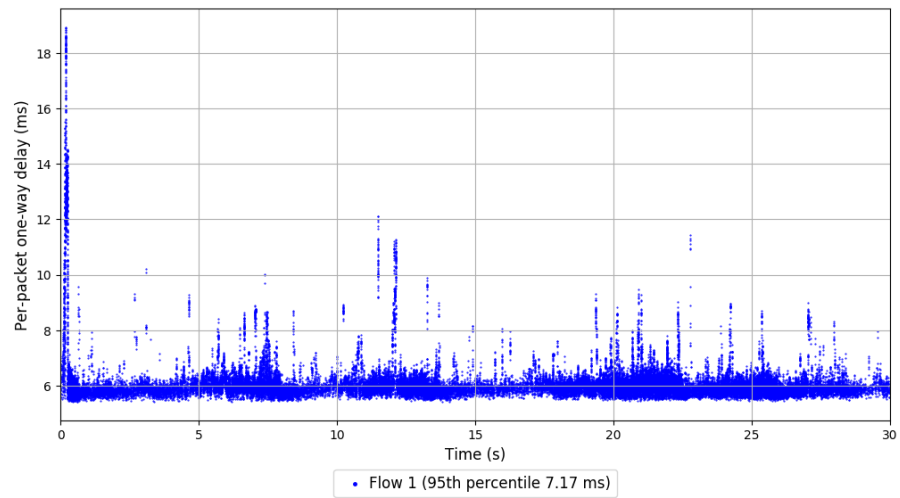
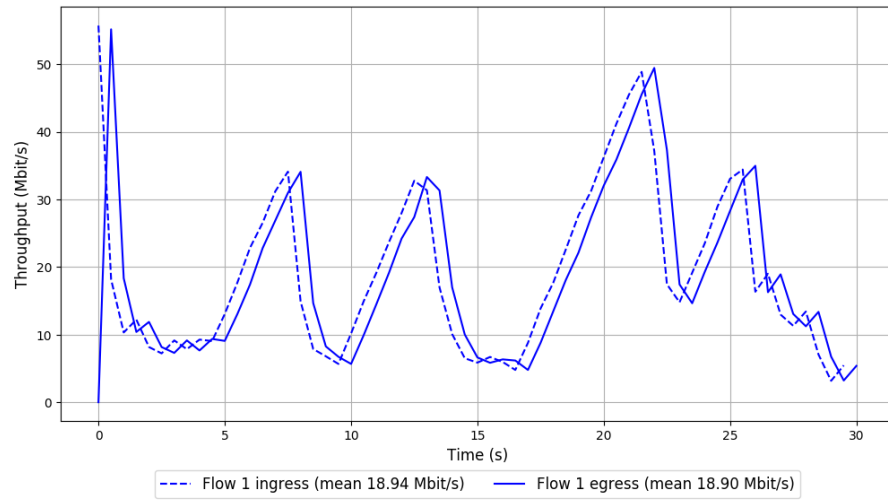


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 10:33:18
End at: 2018-07-17 10:33:48
Local clock offset: -7.068 ms
Remote clock offset: -16.253 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 7.169 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 7.169 ms
Loss rate: 0.18%

Run 6: Report of TCP Cubic — Data Link

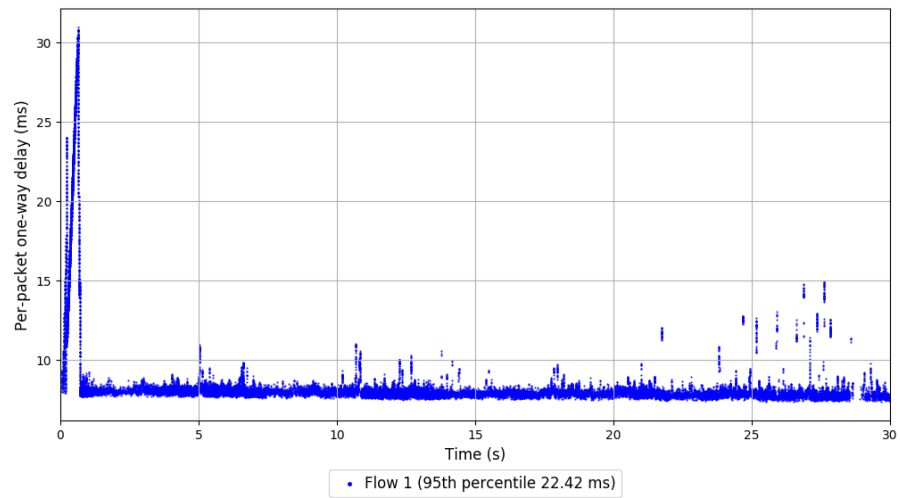
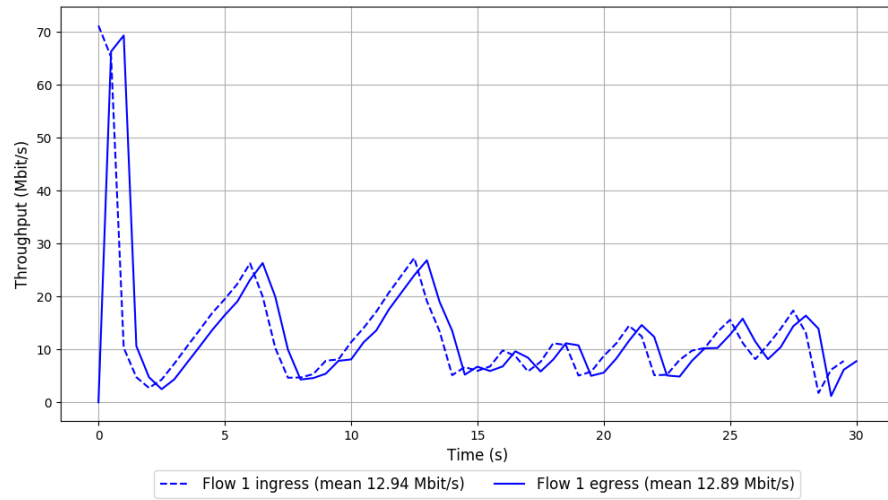


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 10:53:15
End at: 2018-07-17 10:53:45
Local clock offset: -9.76 ms
Remote clock offset: -18.637 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 22.418 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 22.418 ms
Loss rate: 0.36%

Run 7: Report of TCP Cubic — Data Link

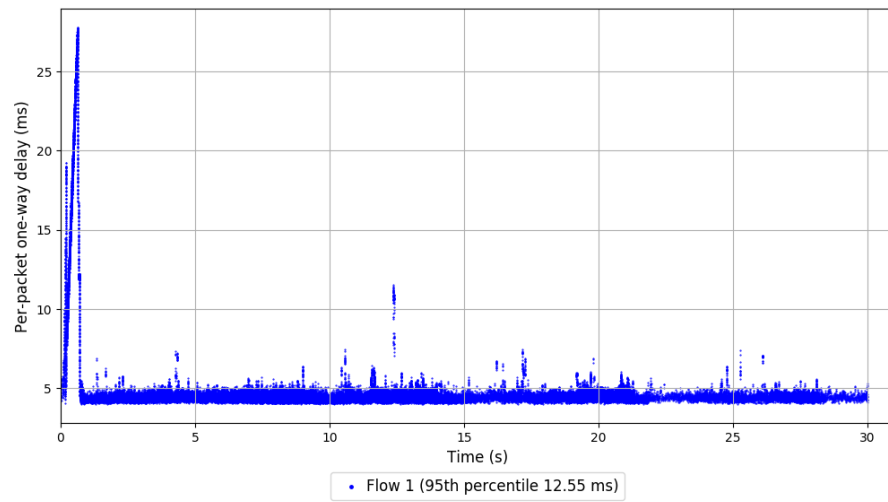
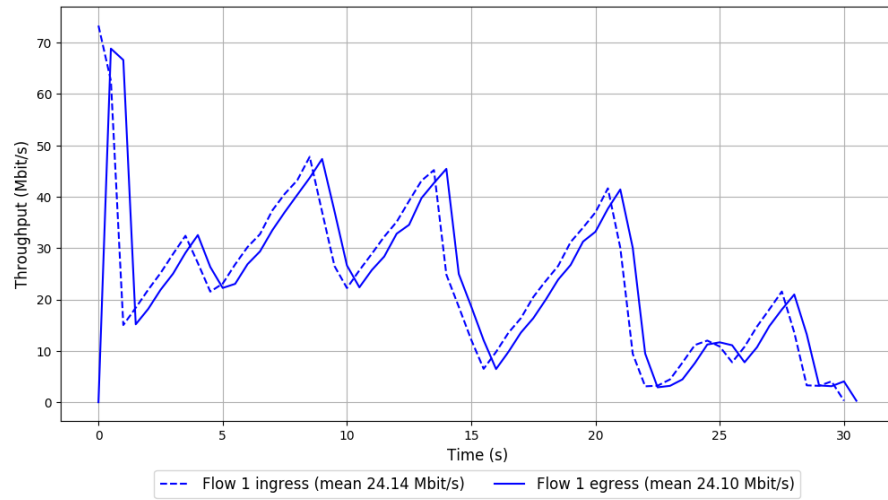


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 11:12:59
End at: 2018-07-17 11:13:29
Local clock offset: -6.126 ms
Remote clock offset: -12.948 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 12.552 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 12.552 ms
Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link

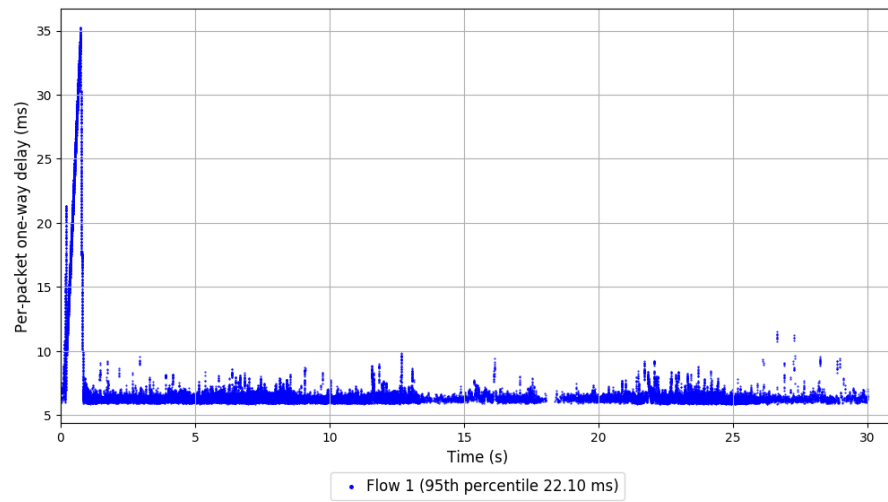
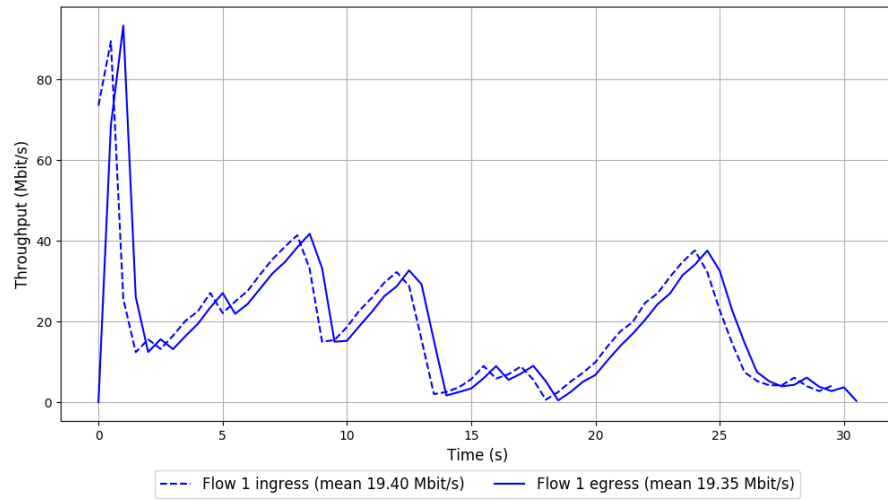


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 11:33:04
End at: 2018-07-17 11:33:34
Local clock offset: -6.091 ms
Remote clock offset: -9.855 ms

Below is generated by plot.py at 2018-07-17 12:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 22.103 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 22.103 ms
Loss rate: 0.21%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 11:53:00

End at: 2018-07-17 11:53:30

Local clock offset: -5.201 ms

Remote clock offset: -6.952 ms

Below is generated by plot.py at 2018-07-17 12:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 22.595 ms

Loss rate: 0.80%

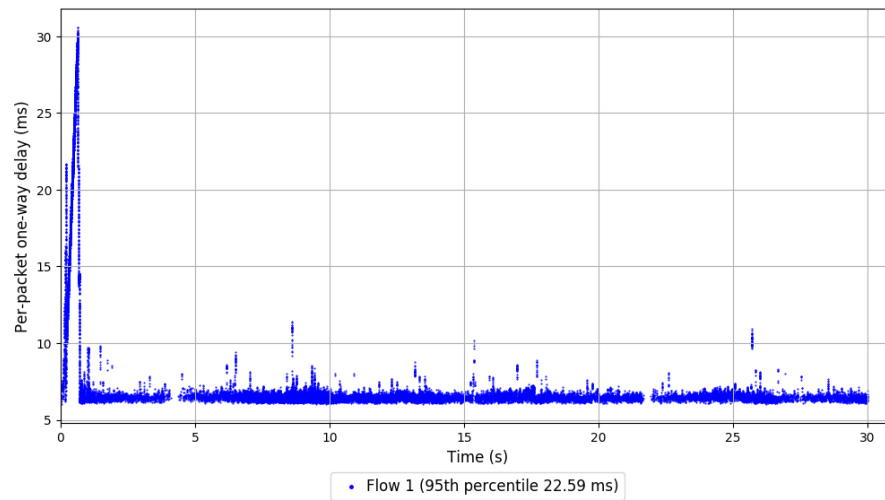
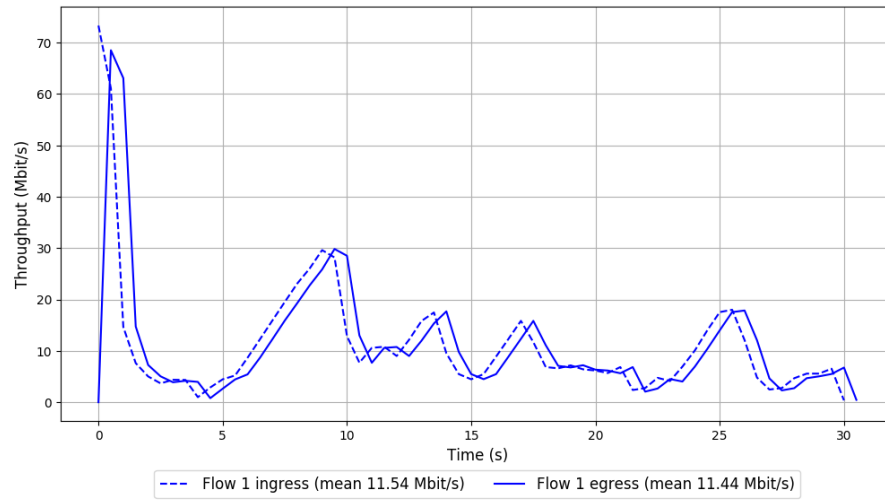
-- Flow 1:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 22.595 ms

Loss rate: 0.80%

Run 10: Report of TCP Cubic — Data Link

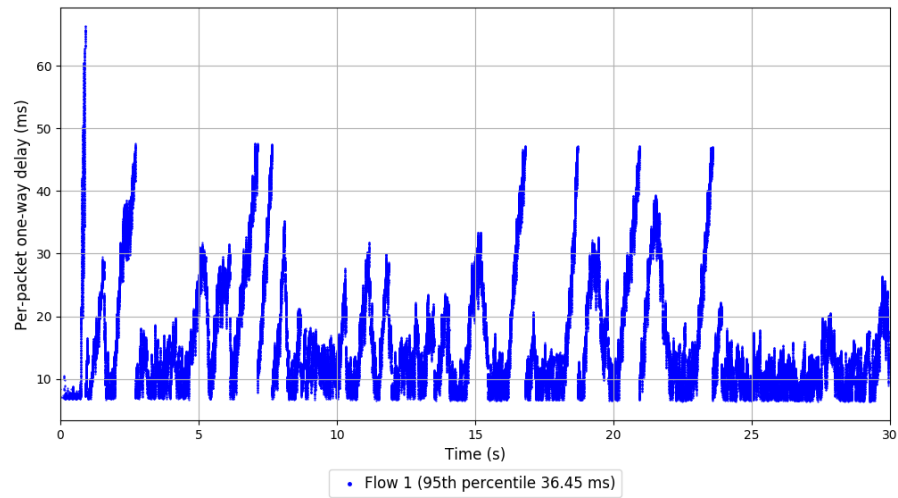
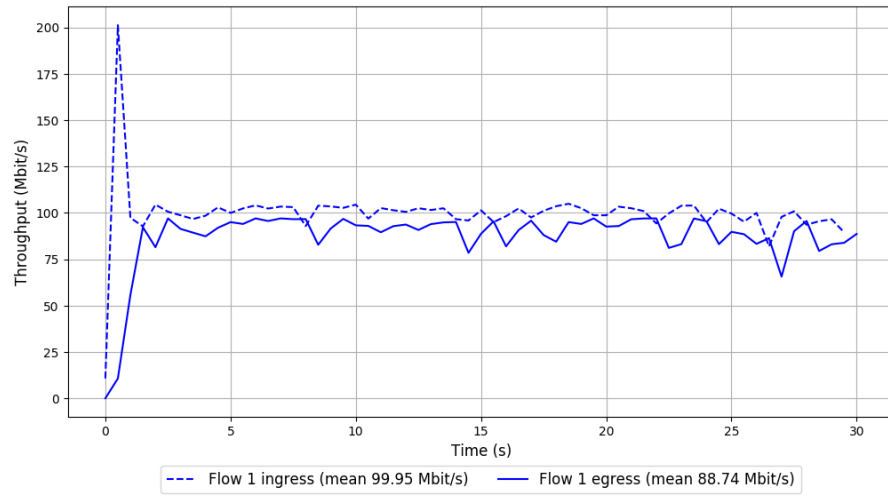


Run 1: Statistics of FillP

Start at: 2018-07-17 08:56:34
End at: 2018-07-17 08:57:04
Local clock offset: 4.325 ms
Remote clock offset: -9.211 ms

Below is generated by plot.py at 2018-07-17 12:16:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 36.448 ms
Loss rate: 11.20%
-- Flow 1:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 36.448 ms
Loss rate: 11.20%

Run 1: Report of FillP — Data Link

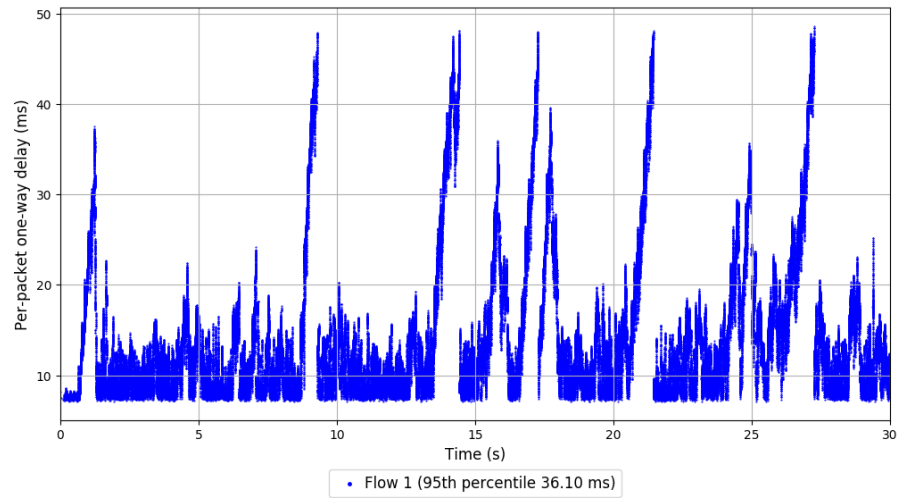
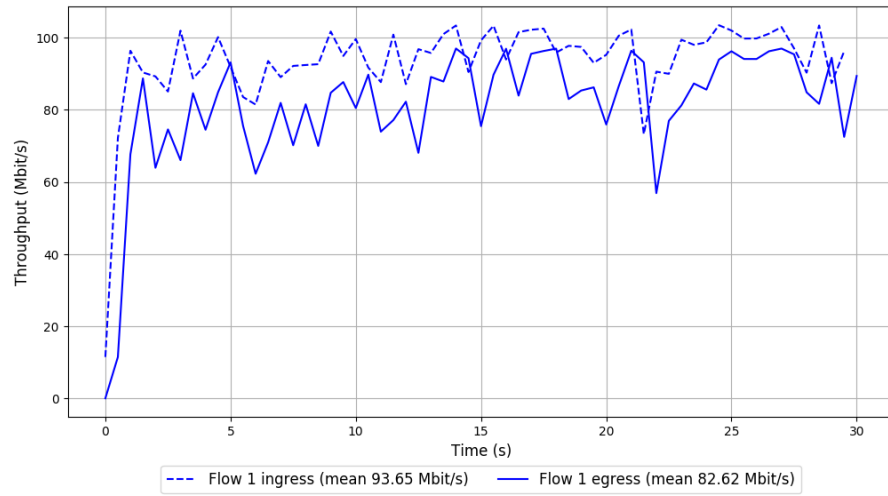


Run 2: Statistics of FillP

Start at: 2018-07-17 09:16:09
End at: 2018-07-17 09:16:39
Local clock offset: -3.662 ms
Remote clock offset: -11.011 ms

Below is generated by plot.py at 2018-07-17 12:16:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 36.097 ms
Loss rate: 11.77%
-- Flow 1:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 36.097 ms
Loss rate: 11.77%

Run 2: Report of FillP — Data Link

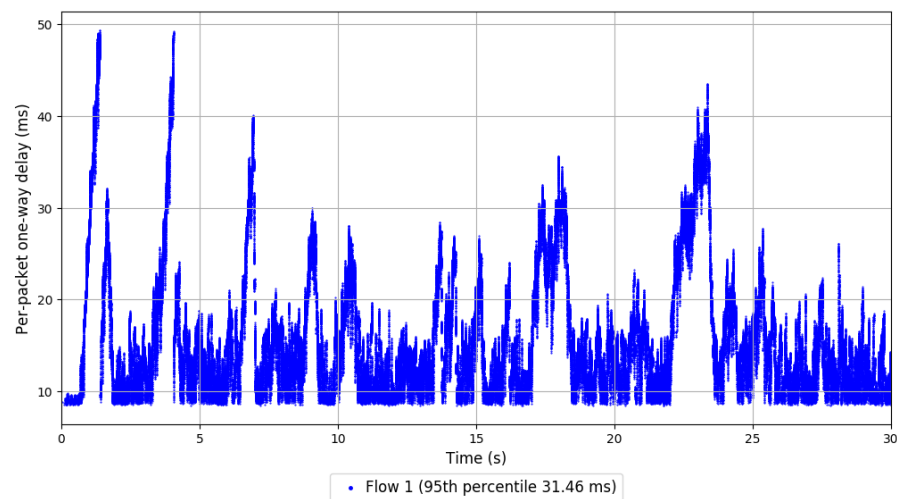
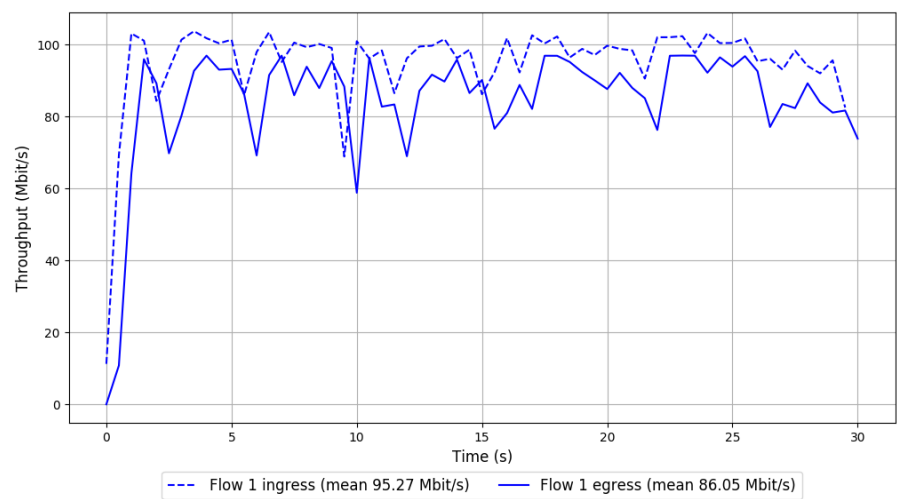


Run 3: Statistics of FillP

Start at: 2018-07-17 09:35:39
End at: 2018-07-17 09:36:09
Local clock offset: -7.08 ms
Remote clock offset: -12.549 ms

Below is generated by plot.py at 2018-07-17 12:16:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 9.67%
-- Flow 1:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 9.67%

Run 3: Report of FillP — Data Link

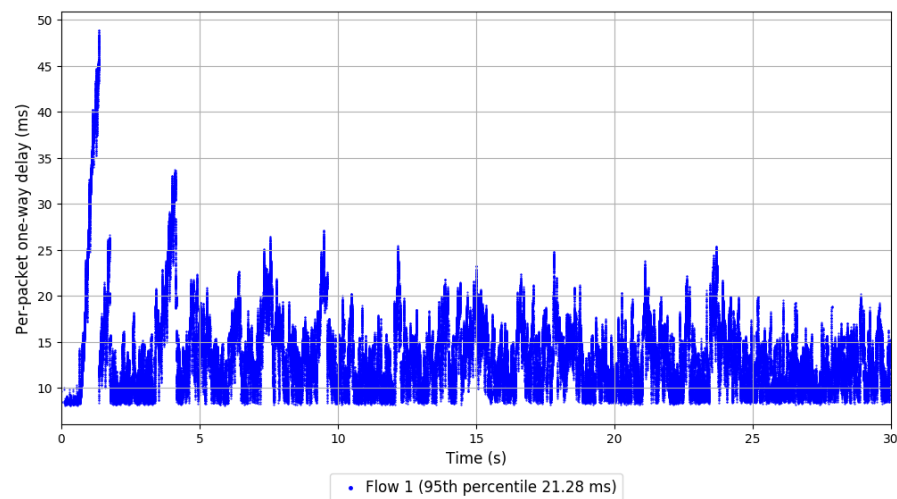
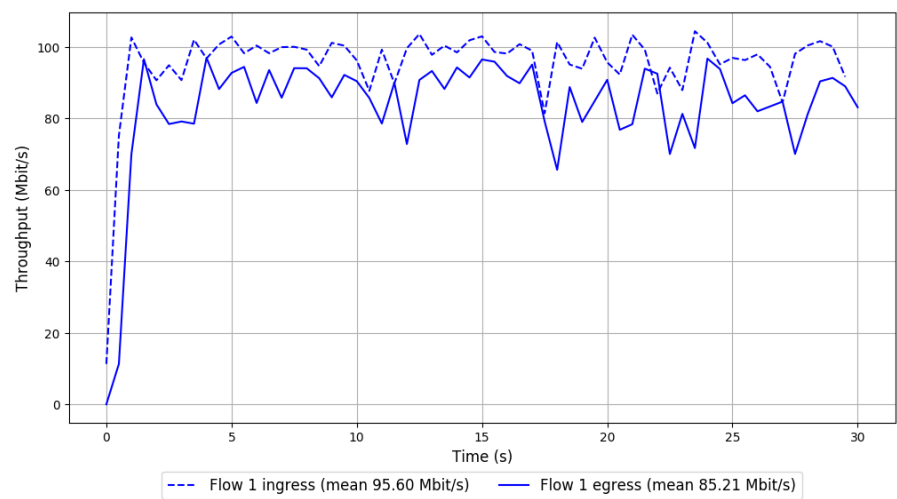


Run 4: Statistics of FillP

Start at: 2018-07-17 09:55:20
End at: 2018-07-17 09:55:50
Local clock offset: -10.062 ms
Remote clock offset: -6.809 ms

Below is generated by plot.py at 2018-07-17 12:16:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 10.85%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 10.85%

Run 4: Report of FillP — Data Link

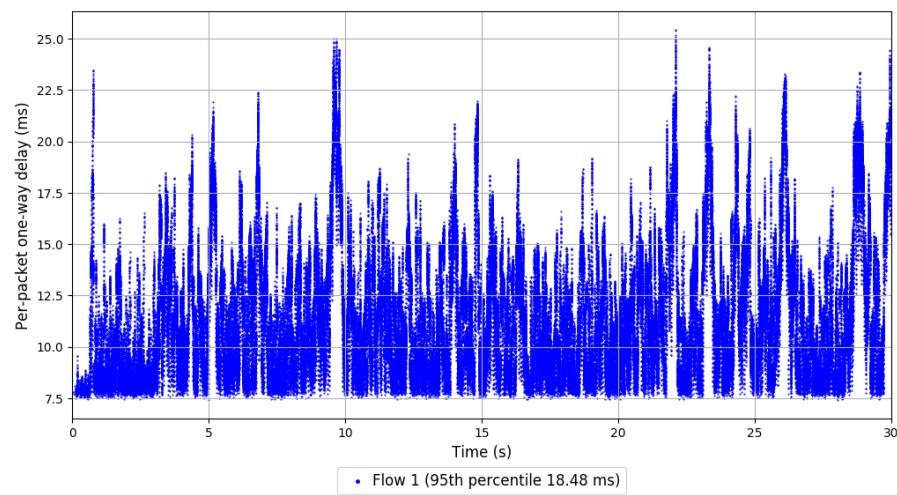
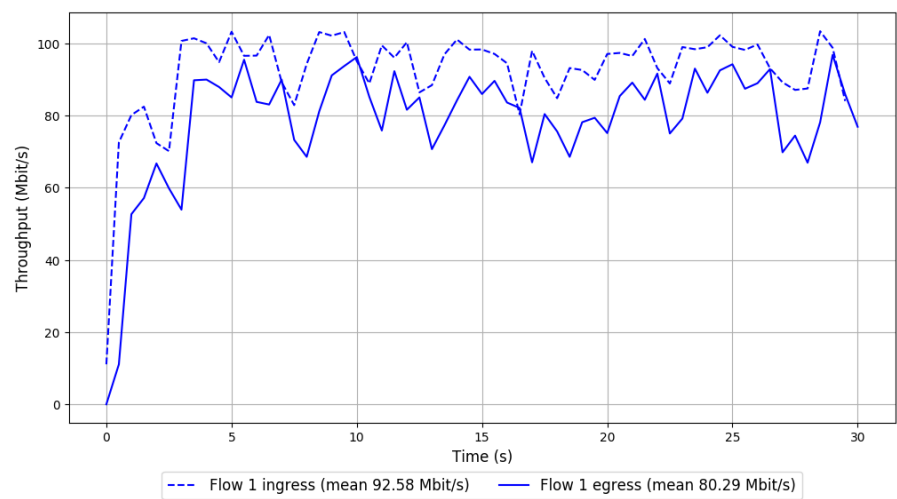


Run 5: Statistics of FillP

Start at: 2018-07-17 10:15:00
End at: 2018-07-17 10:15:30
Local clock offset: -6.747 ms
Remote clock offset: -5.336 ms

Below is generated by plot.py at 2018-07-17 12:16:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 18.482 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 18.482 ms
Loss rate: 13.25%

Run 5: Report of FillP — Data Link

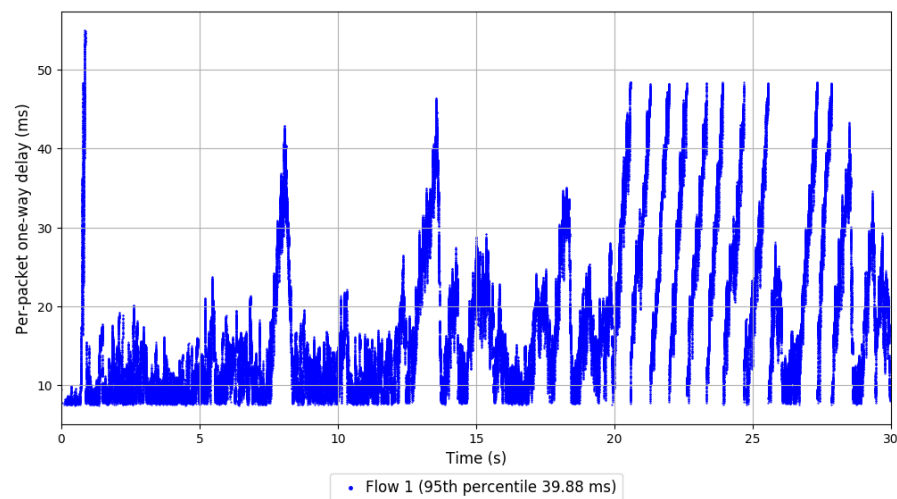
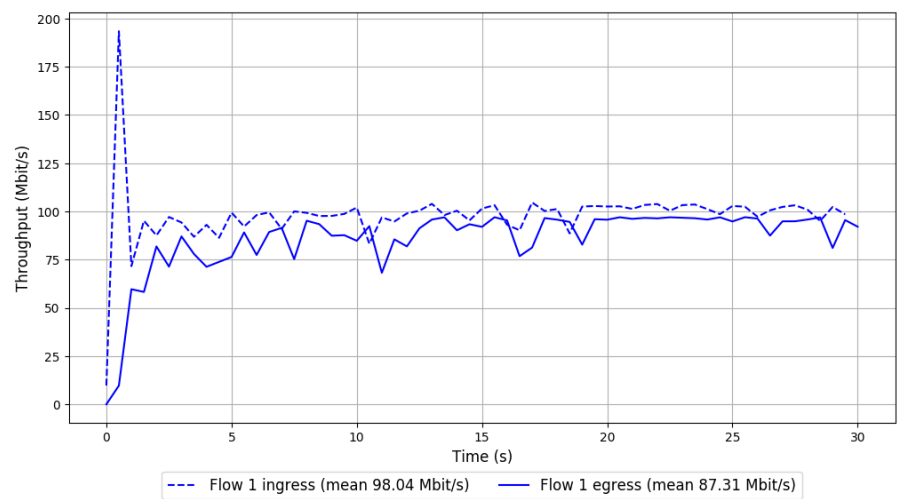


Run 6: Statistics of FillP

Start at: 2018-07-17 10:34:24
End at: 2018-07-17 10:34:54
Local clock offset: -7.802 ms
Remote clock offset: -16.54 ms

Below is generated by plot.py at 2018-07-17 12:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 39.878 ms
Loss rate: 10.95%
-- Flow 1:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 39.878 ms
Loss rate: 10.95%

Run 6: Report of FillP — Data Link

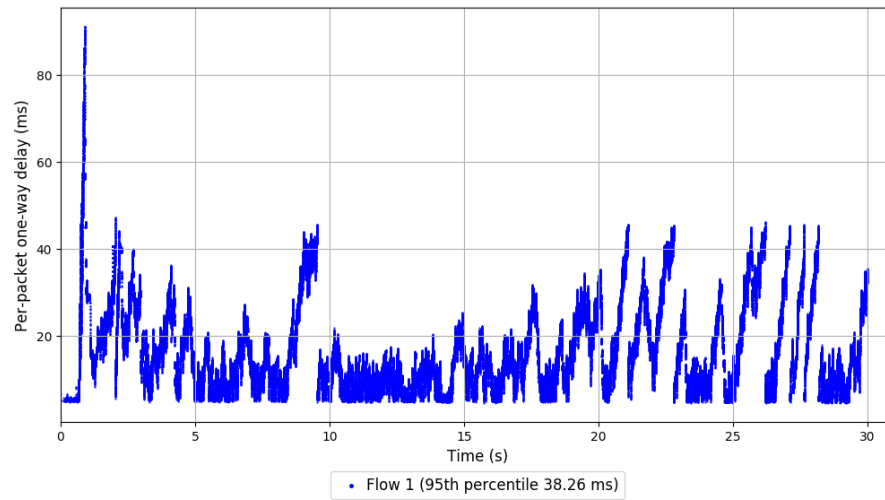
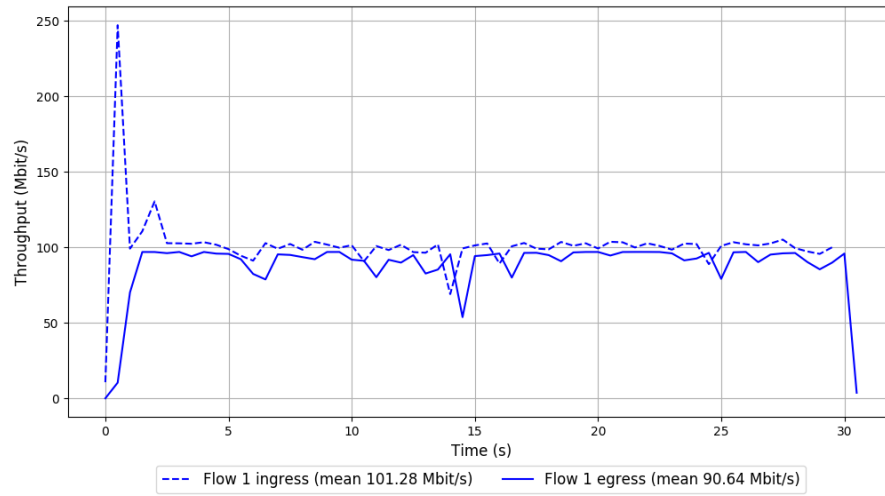


Run 7: Statistics of FillP

Start at: 2018-07-17 10:54:20
End at: 2018-07-17 10:54:50
Local clock offset: -8.561 ms
Remote clock offset: -17.502 ms

Below is generated by plot.py at 2018-07-17 12:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 38.260 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 38.260 ms
Loss rate: 10.43%

Run 7: Report of FillP — Data Link

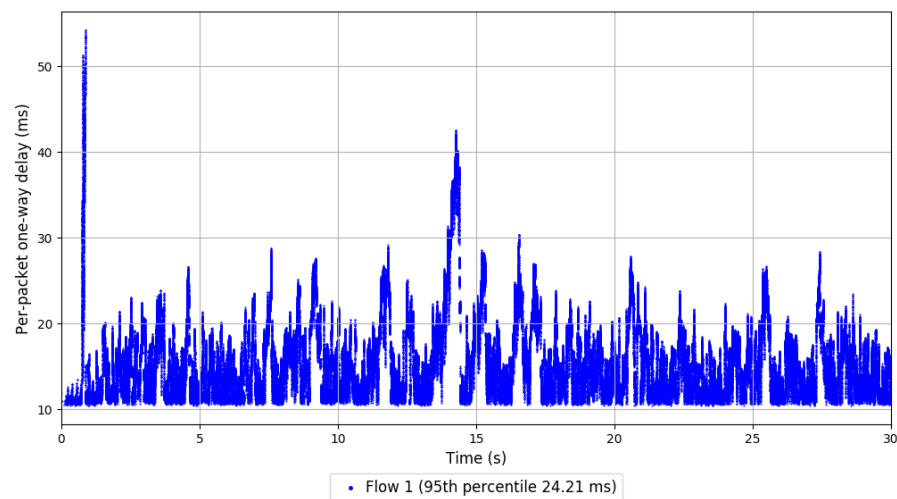
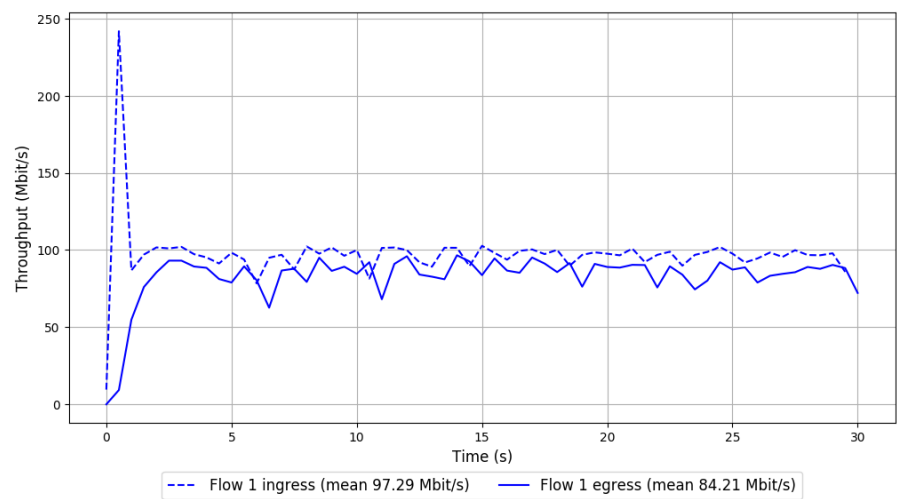


Run 8: Statistics of FillP

Start at: 2018-07-17 11:14:05
End at: 2018-07-17 11:14:35
Local clock offset: -10.832 ms
Remote clock offset: -12.642 ms

Below is generated by plot.py at 2018-07-17 12:17:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 24.215 ms
Loss rate: 13.46%
-- Flow 1:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 24.215 ms
Loss rate: 13.46%

Run 8: Report of FillP — Data Link

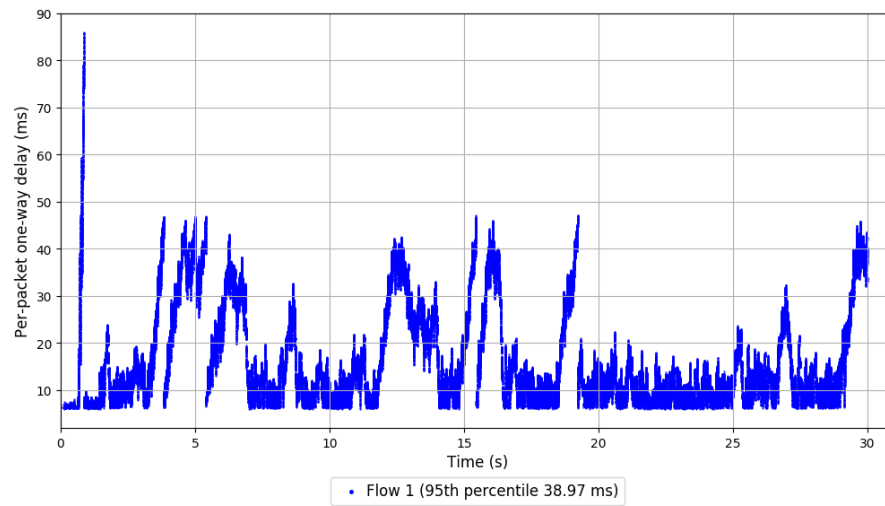
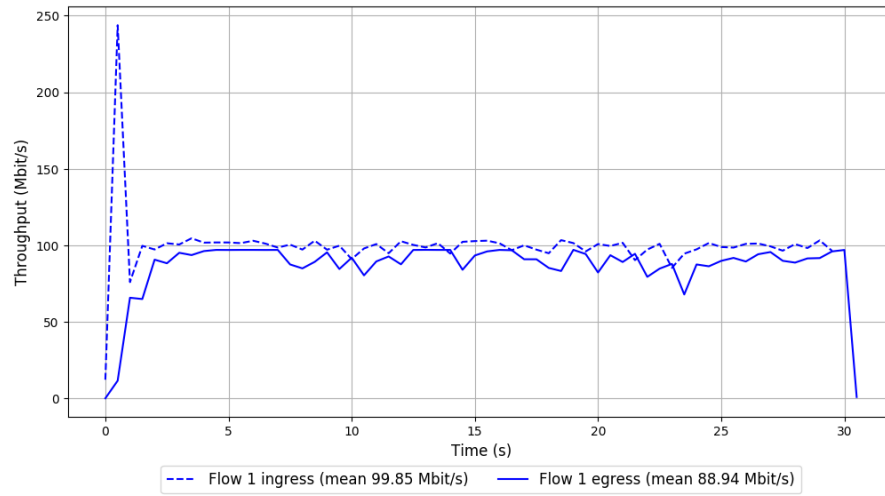


Run 9: Statistics of FillP

Start at: 2018-07-17 11:34:12
End at: 2018-07-17 11:34:42
Local clock offset: -6.036 ms
Remote clock offset: -9.296 ms

Below is generated by plot.py at 2018-07-17 12:17:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 38.972 ms
Loss rate: 10.85%
-- Flow 1:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 38.972 ms
Loss rate: 10.85%

Run 9: Report of FillP — Data Link

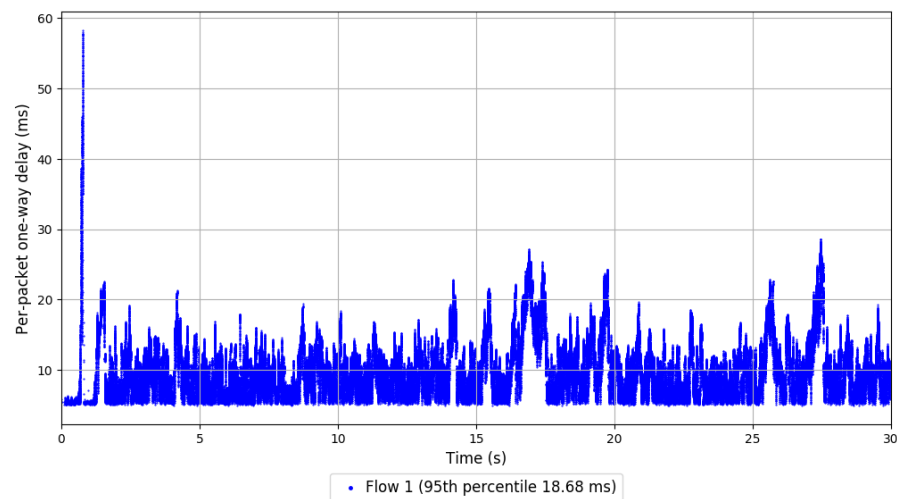
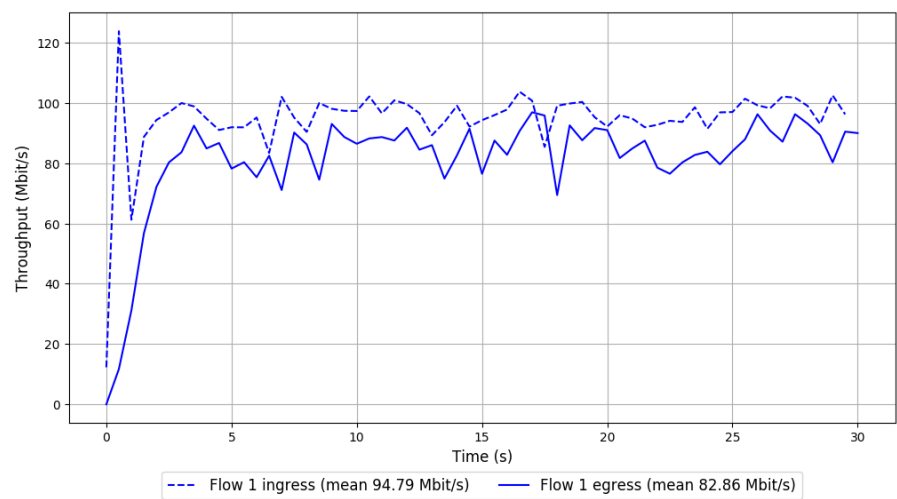


Run 10: Statistics of FillP

Start at: 2018-07-17 11:54:05
End at: 2018-07-17 11:54:35
Local clock offset: -4.384 ms
Remote clock offset: -6.897 ms

Below is generated by plot.py at 2018-07-17 12:17:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 18.684 ms
Loss rate: 12.57%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 18.684 ms
Loss rate: 12.57%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 09:02:28

End at: 2018-07-17 09:02:58

Local clock offset: -0.07 ms

Remote clock offset: -9.319 ms

Below is generated by plot.py at 2018-07-17 12:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 24.078 ms

Loss rate: 10.34%

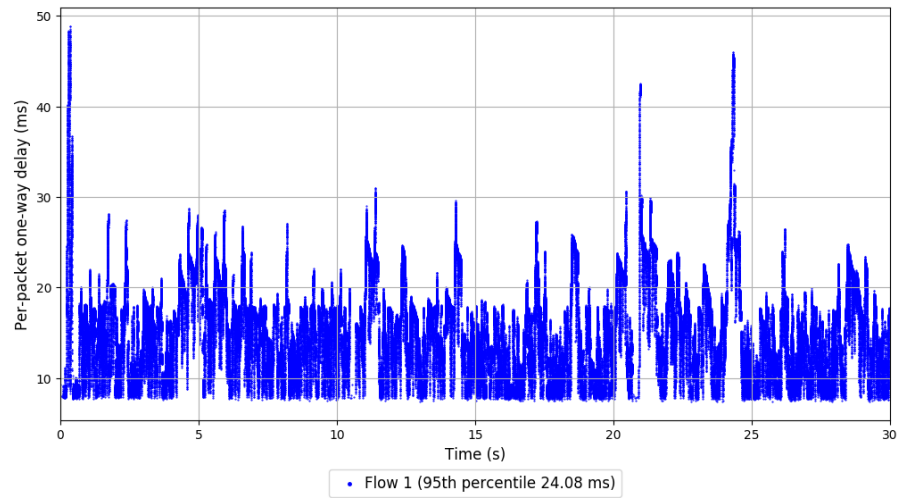
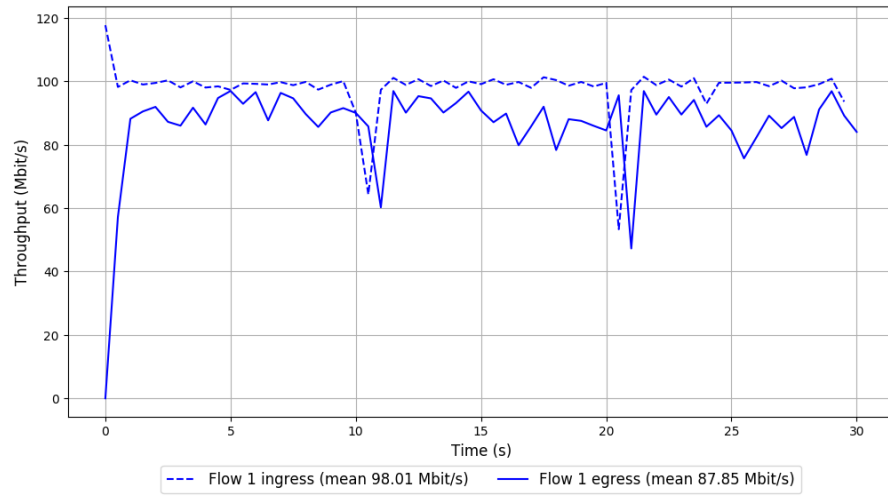
-- Flow 1:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 24.078 ms

Loss rate: 10.34%

Run 1: Report of FillP-Sheep — Data Link

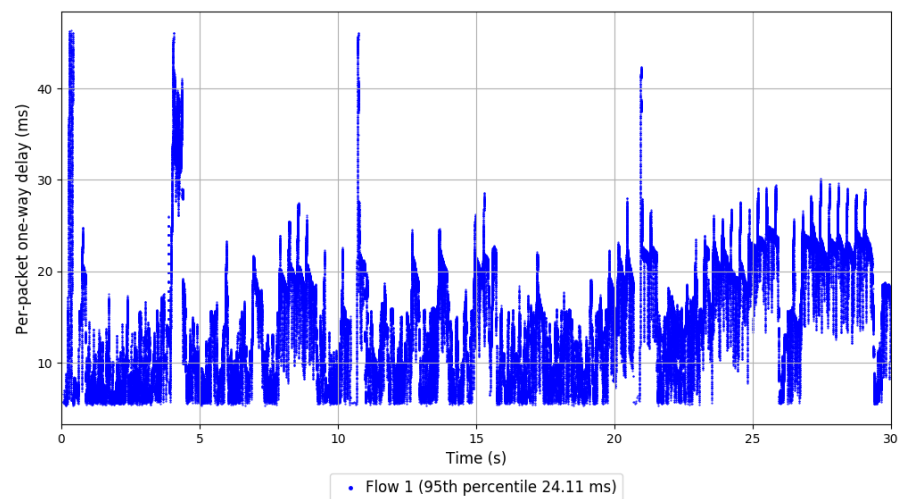
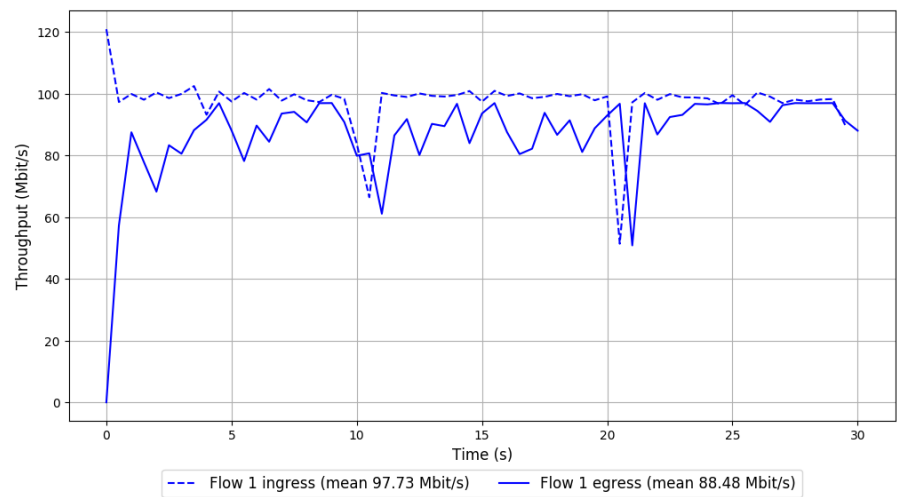


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 09:22:02
End at: 2018-07-17 09:22:32
Local clock offset: -2.697 ms
Remote clock offset: -11.542 ms

Below is generated by plot.py at 2018-07-17 12:17:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 24.106 ms
Loss rate: 9.43%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 24.106 ms
Loss rate: 9.43%

Run 2: Report of FillP-Sheep — Data Link

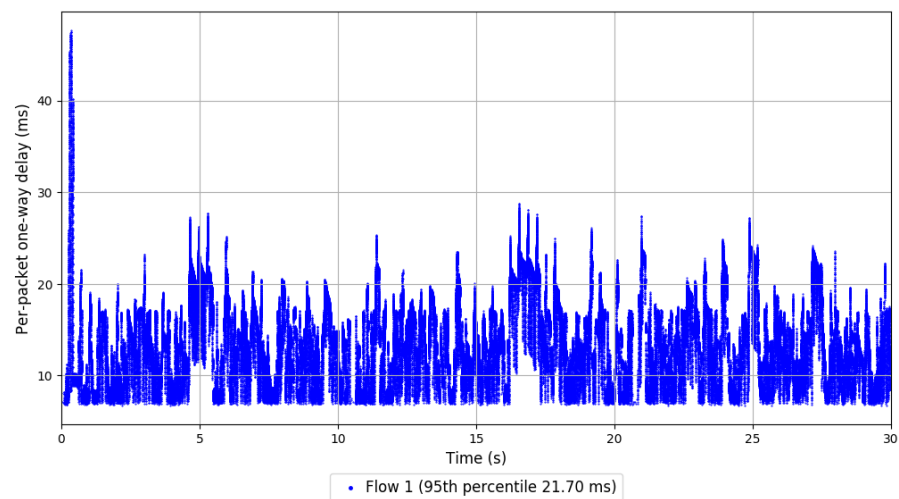
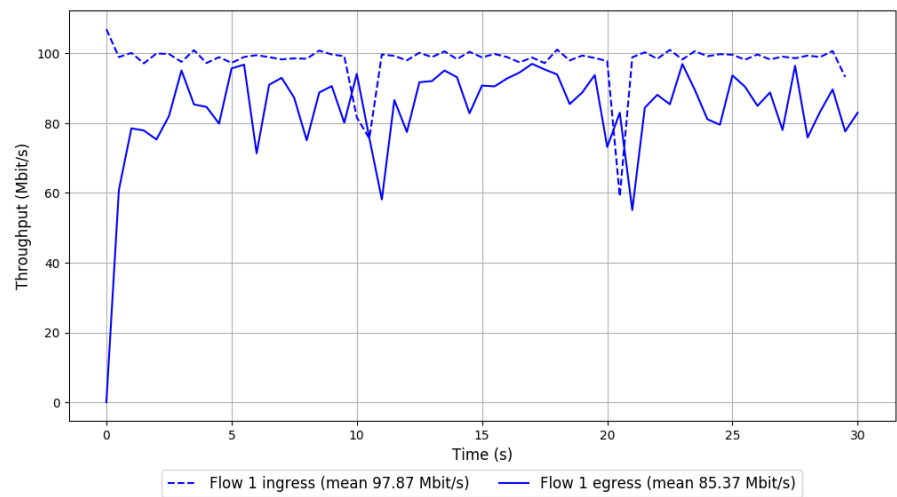


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 09:41:33
End at: 2018-07-17 09:42:03
Local clock offset: -6.881 ms
Remote clock offset: -13.608 ms

Below is generated by plot.py at 2018-07-17 12:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 21.698 ms
Loss rate: 12.77%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 21.698 ms
Loss rate: 12.77%

Run 3: Report of FillP-Sheep — Data Link

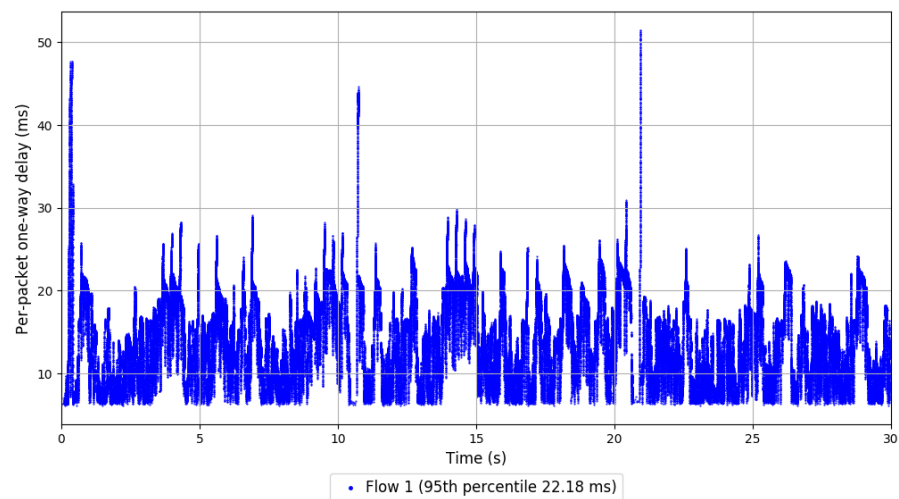
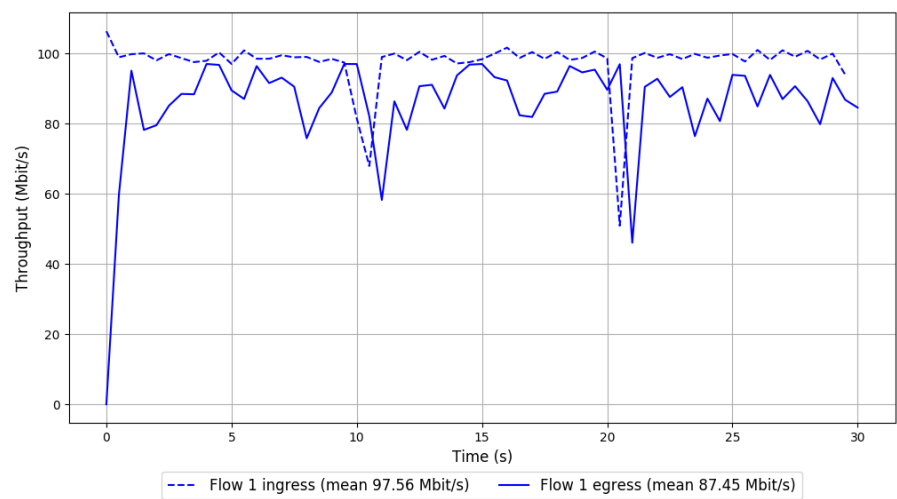


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 10:01:15
End at: 2018-07-17 10:01:45
Local clock offset: -6.093 ms
Remote clock offset: -6.168 ms

Below is generated by plot.py at 2018-07-17 12:17:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 22.184 ms
Loss rate: 10.36%
-- Flow 1:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 22.184 ms
Loss rate: 10.36%

Run 4: Report of FillP-Sheep — Data Link

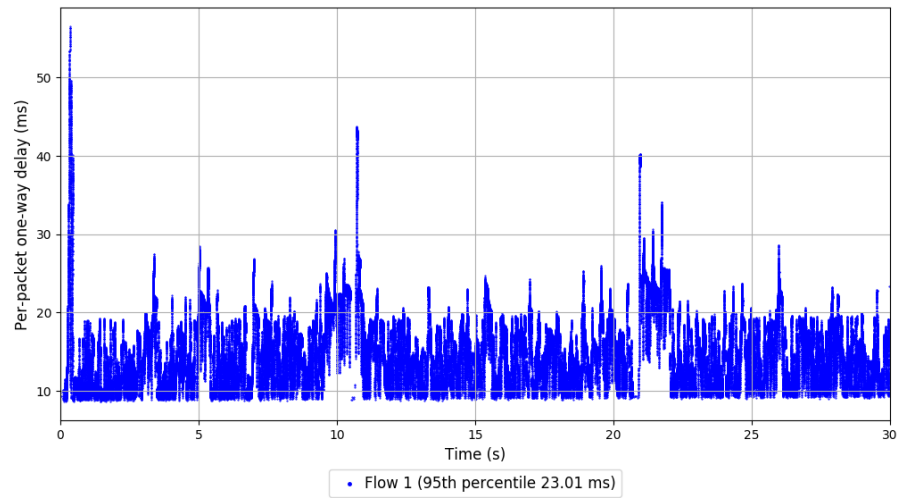
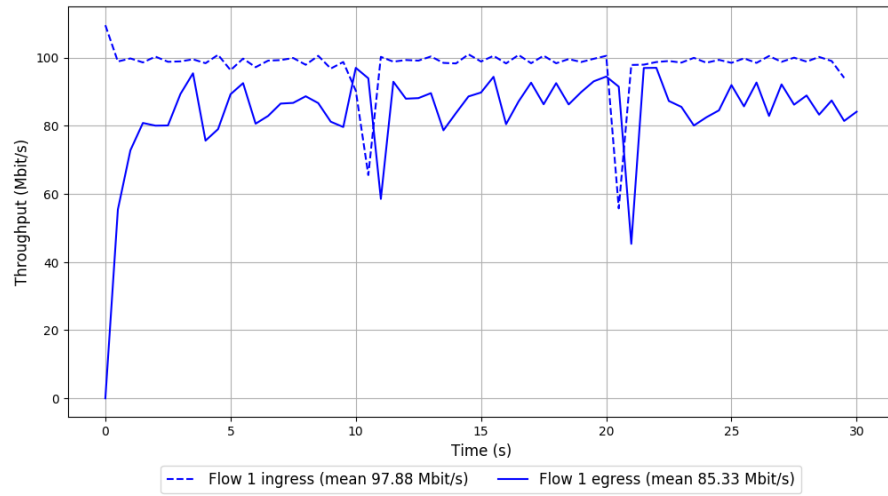


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 10:20:56
End at: 2018-07-17 10:21:26
Local clock offset: -5.618 ms
Remote clock offset: -8.336 ms

Below is generated by plot.py at 2018-07-17 12:18:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 23.009 ms
Loss rate: 12.81%
-- Flow 1:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 23.009 ms
Loss rate: 12.81%

Run 5: Report of FillP-Sheep — Data Link

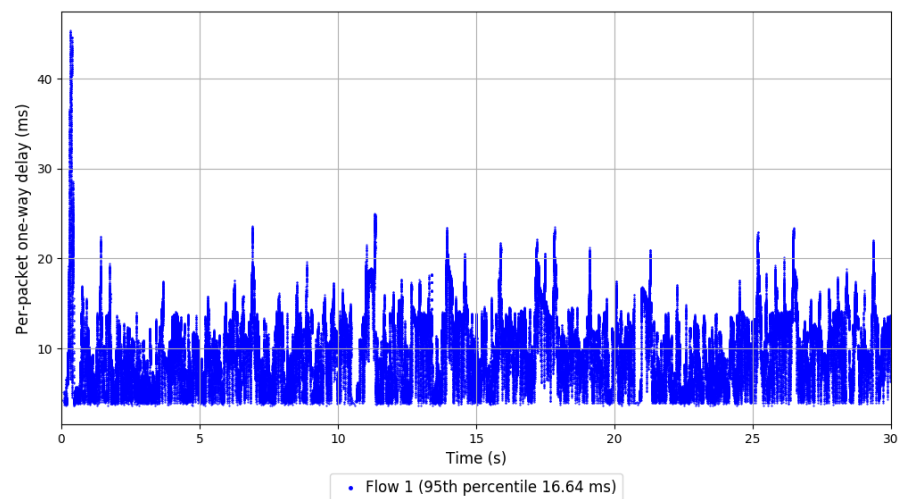
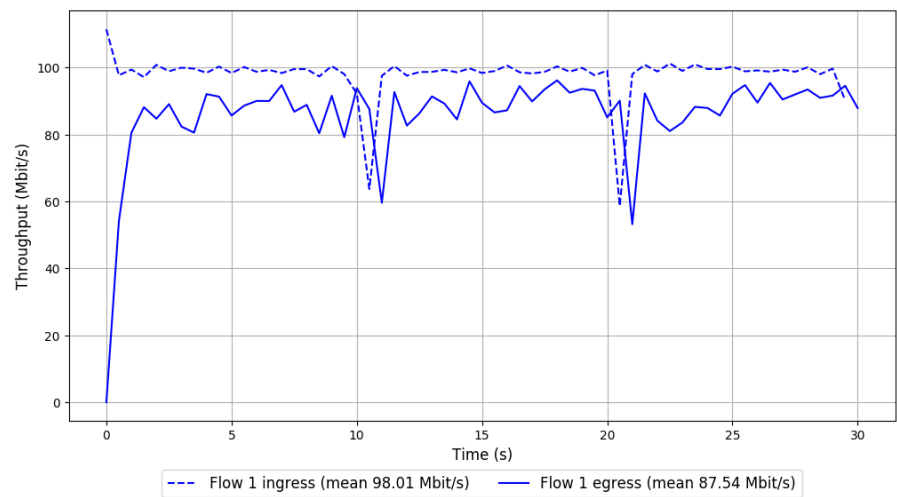


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 10:40:19
End at: 2018-07-17 10:40:49
Local clock offset: -7.311 ms
Remote clock offset: -18.956 ms

Below is generated by plot.py at 2018-07-17 12:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 16.644 ms
Loss rate: 10.66%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 16.644 ms
Loss rate: 10.66%

Run 6: Report of FillP-Sheep — Data Link

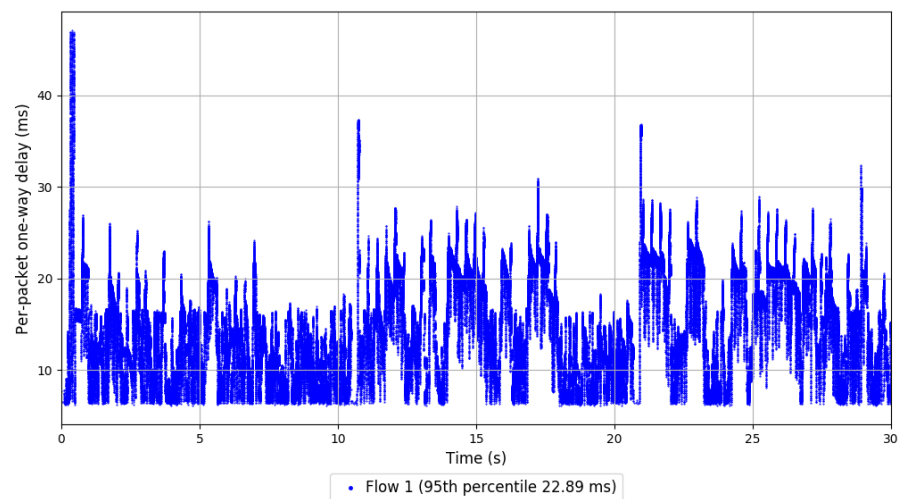
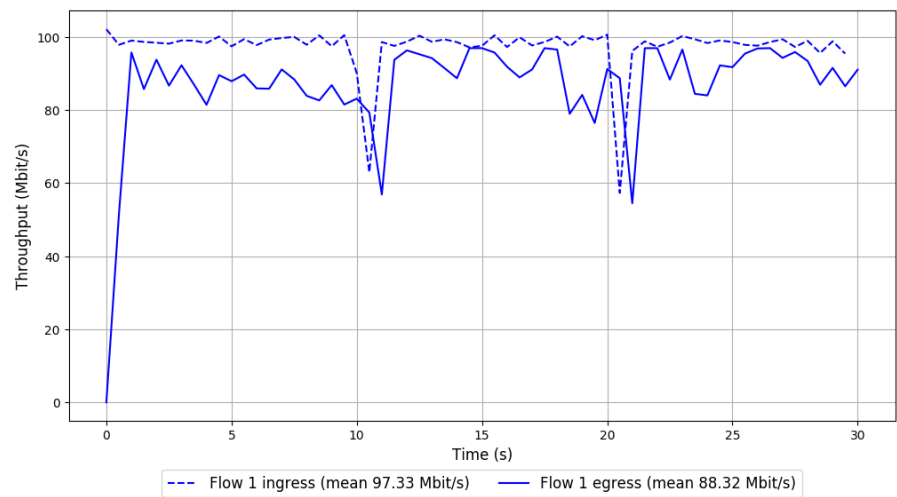


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 11:00:14
End at: 2018-07-17 11:00:44
Local clock offset: -7.508 ms
Remote clock offset: -15.097 ms

Below is generated by plot.py at 2018-07-17 12:18:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 22.886 ms
Loss rate: 9.25%
-- Flow 1:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 22.886 ms
Loss rate: 9.25%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 11:20:09

End at: 2018-07-17 11:20:39

Local clock offset: -9.578 ms

Remote clock offset: -13.056 ms

Below is generated by plot.py at 2018-07-17 12:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 20.735 ms

Loss rate: 13.22%

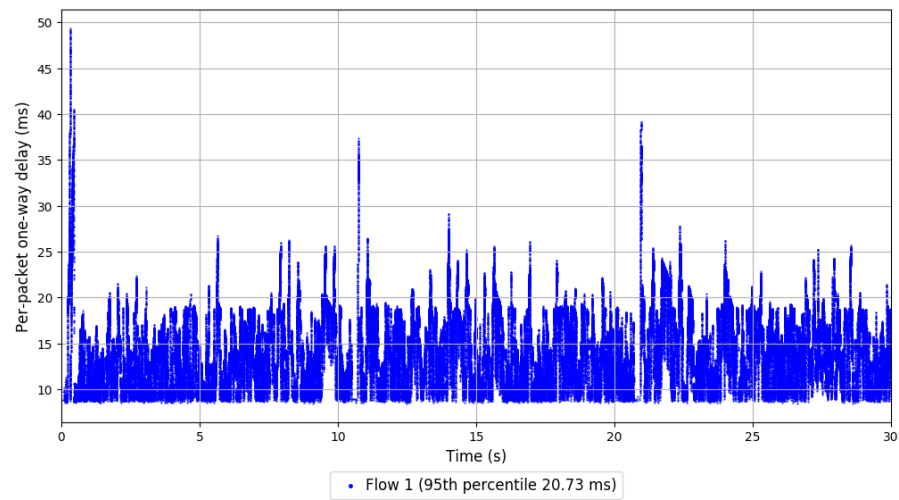
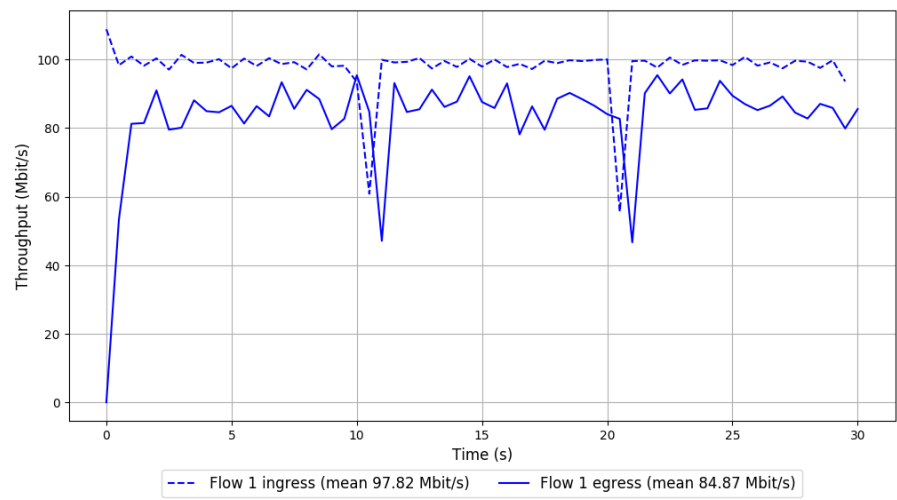
-- Flow 1:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 20.735 ms

Loss rate: 13.22%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 11:40:14

End at: 2018-07-17 11:40:44

Local clock offset: -5.034 ms

Remote clock offset: -8.46 ms

Below is generated by plot.py at 2018-07-17 12:19:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.15 Mbit/s

95th percentile per-packet one-way delay: 24.581 ms

Loss rate: 6.71%

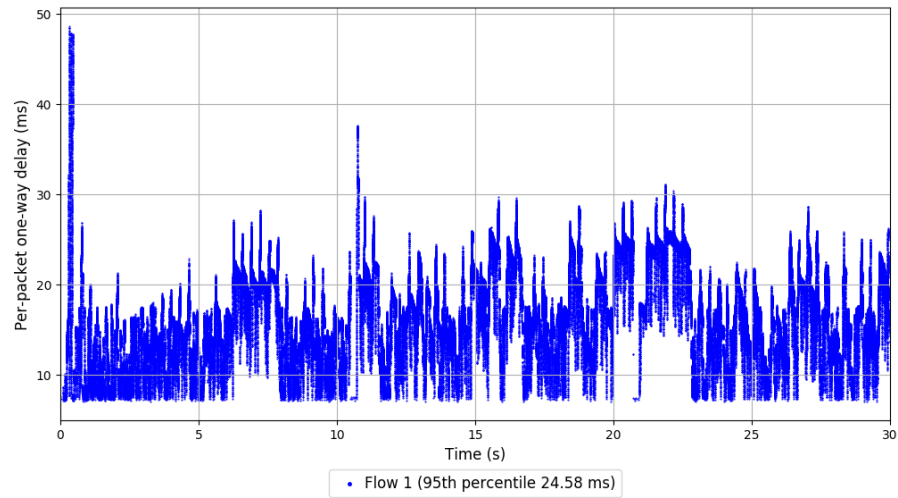
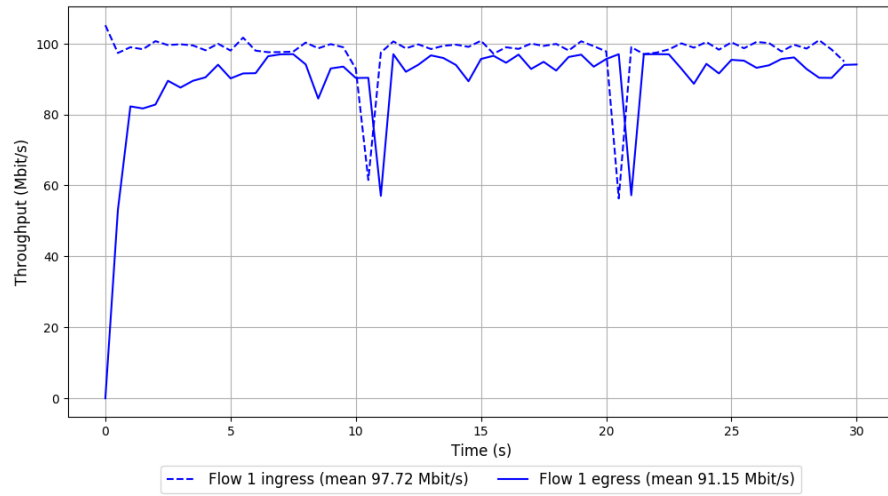
-- Flow 1:

Average throughput: 91.15 Mbit/s

95th percentile per-packet one-way delay: 24.581 ms

Loss rate: 6.71%

Run 9: Report of FillP-Sheep — Data Link

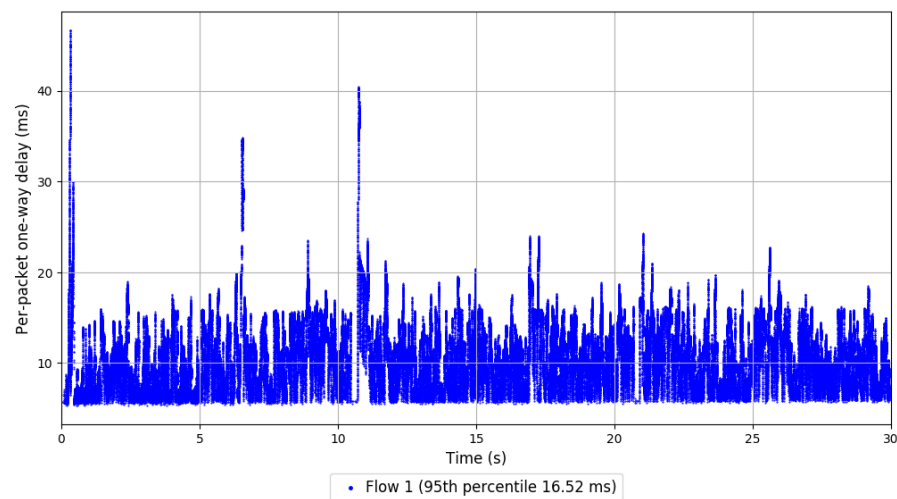
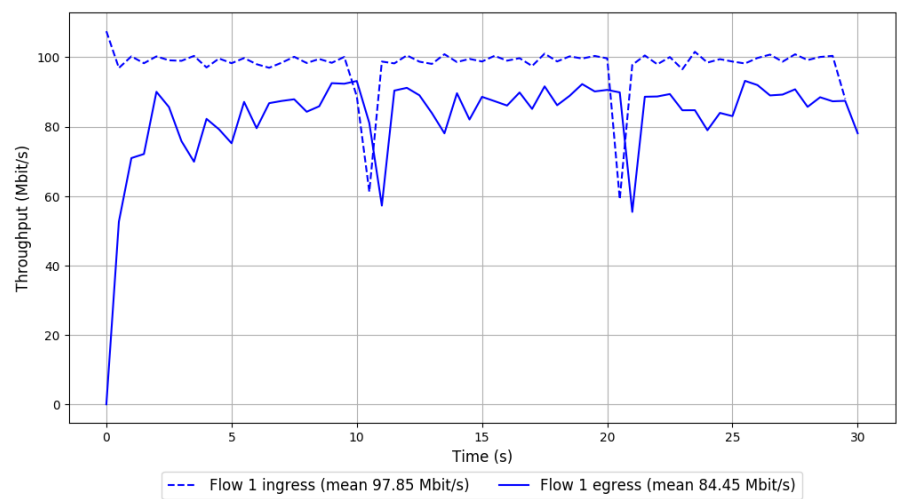


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 12:00:18
End at: 2018-07-17 12:00:48
Local clock offset: -2.471 ms
Remote clock offset: -7.258 ms

Below is generated by plot.py at 2018-07-17 12:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 16.520 ms
Loss rate: 13.69%
-- Flow 1:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 16.520 ms
Loss rate: 13.69%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-17 08:58:56

End at: 2018-07-17 08:59:26

Local clock offset: 3.17 ms

Remote clock offset: -9.13 ms

Below is generated by plot.py at 2018-07-17 12:19:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 9.537 ms

Loss rate: 5.67%

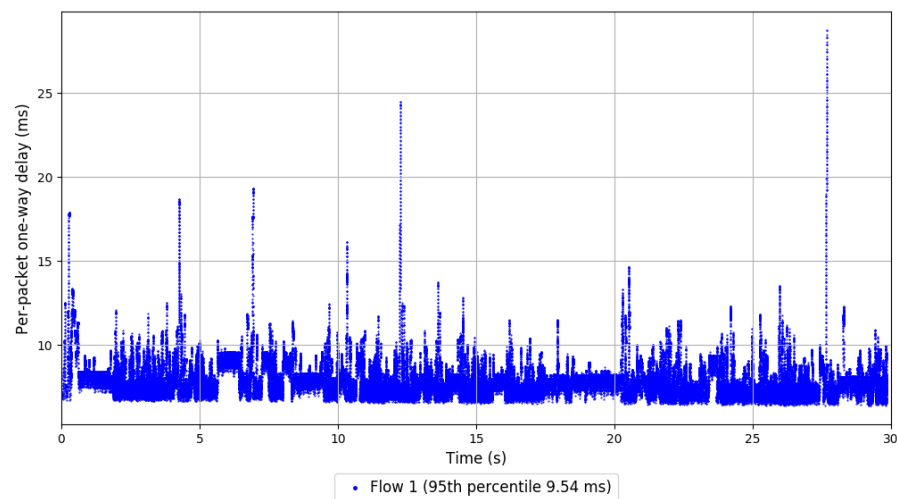
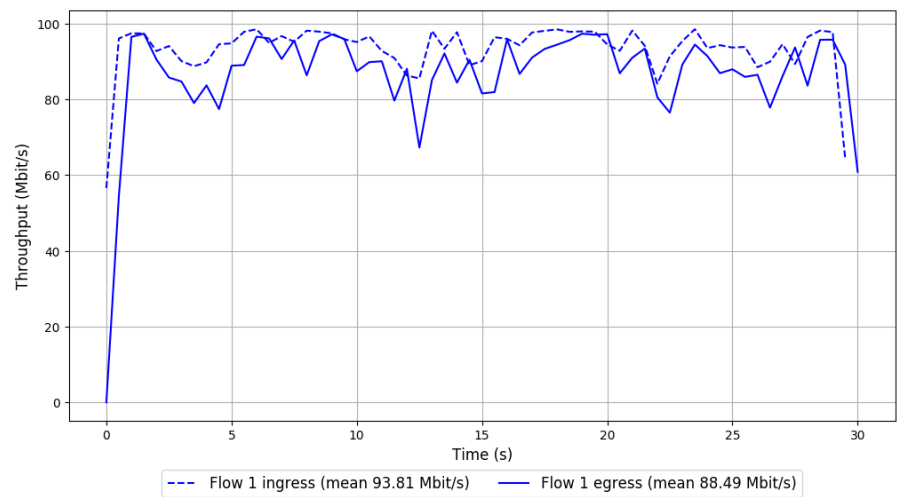
-- Flow 1:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 9.537 ms

Loss rate: 5.67%

Run 1: Report of Indigo — Data Link

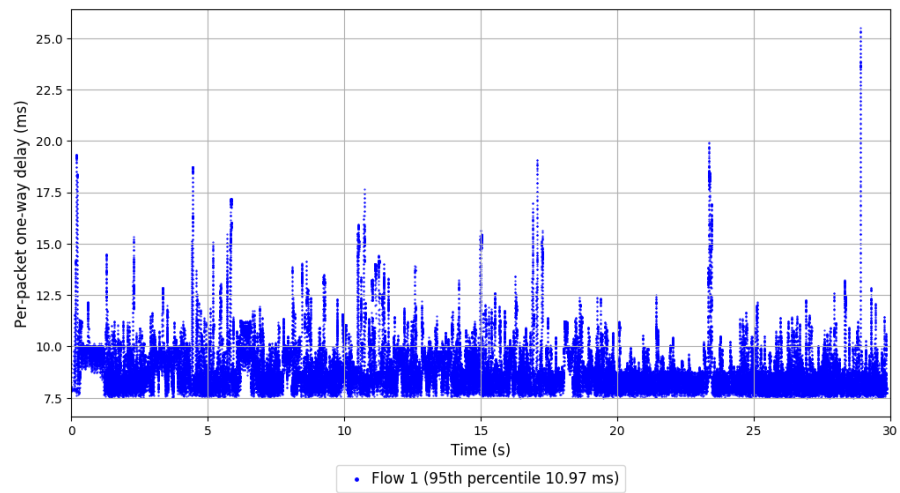
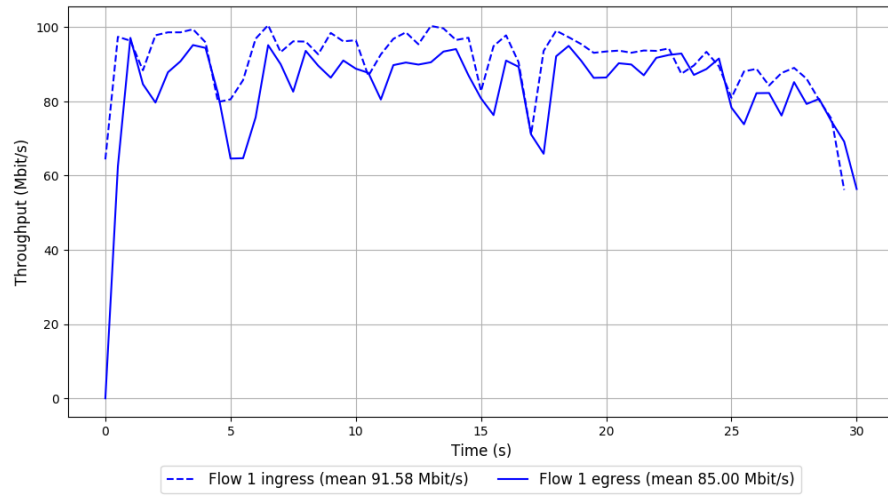


Run 2: Statistics of Indigo

Start at: 2018-07-17 09:18:33
End at: 2018-07-17 09:19:03
Local clock offset: -3.347 ms
Remote clock offset: -10.416 ms

Below is generated by plot.py at 2018-07-17 12:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 10.968 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 10.968 ms
Loss rate: 7.18%

Run 2: Report of Indigo — Data Link

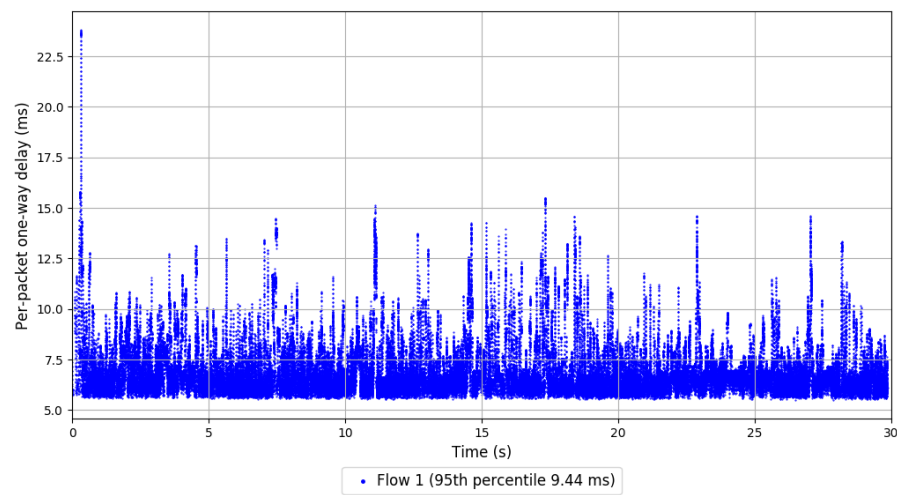
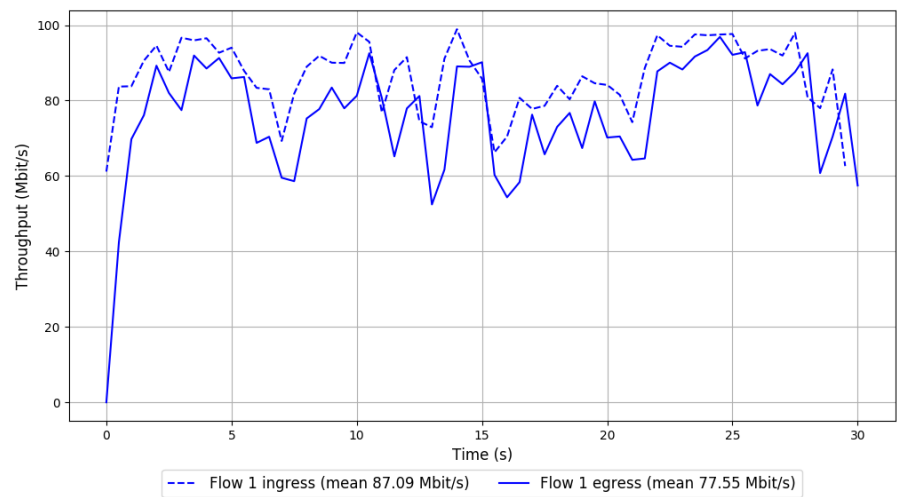


Run 3: Statistics of Indigo

Start at: 2018-07-17 09:38:00
End at: 2018-07-17 09:38:30
Local clock offset: -6.431 ms
Remote clock offset: -14.79 ms

Below is generated by plot.py at 2018-07-17 12:19:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 9.444 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 9.444 ms
Loss rate: 10.96%

Run 3: Report of Indigo — Data Link

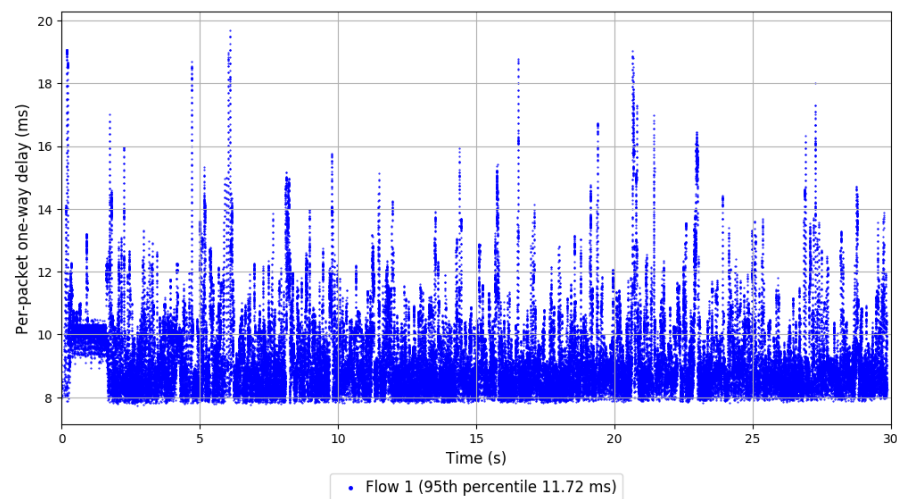
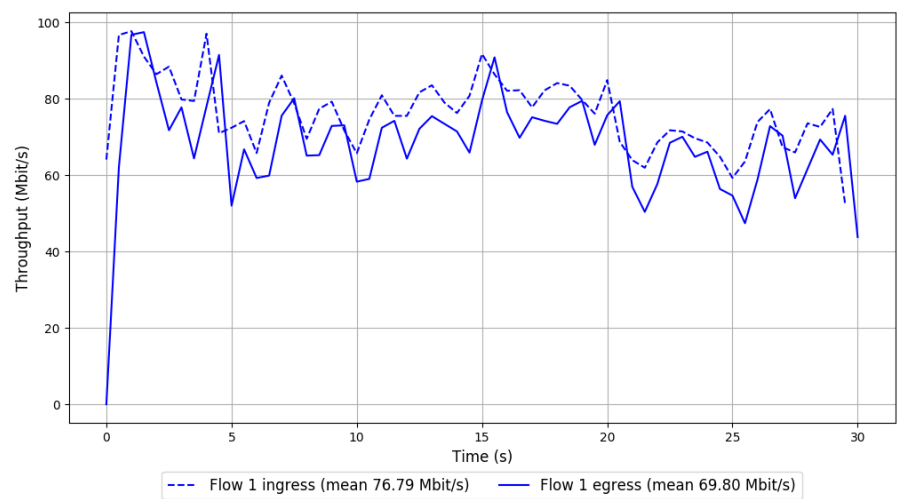


Run 4: Statistics of Indigo

Start at: 2018-07-17 09:57:46
End at: 2018-07-17 09:58:16
Local clock offset: -9.277 ms
Remote clock offset: -7.222 ms

Below is generated by plot.py at 2018-07-17 12:19:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 11.724 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 11.724 ms
Loss rate: 9.11%

Run 4: Report of Indigo — Data Link

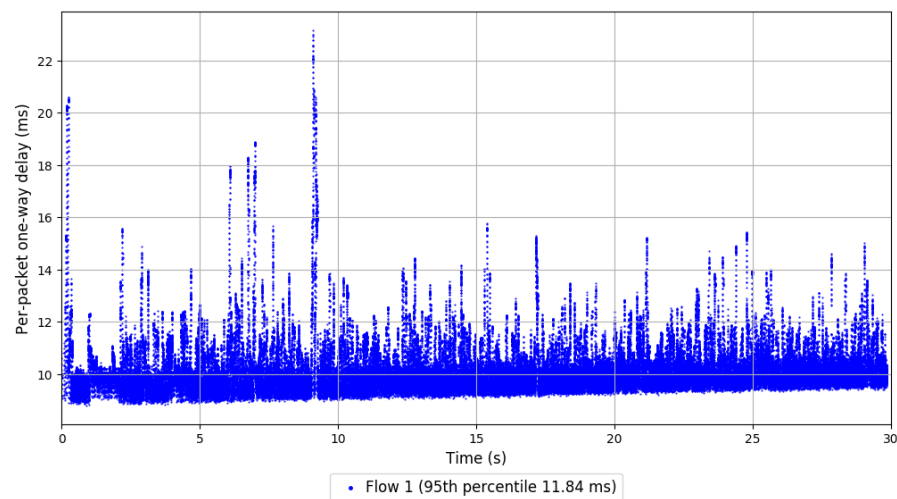
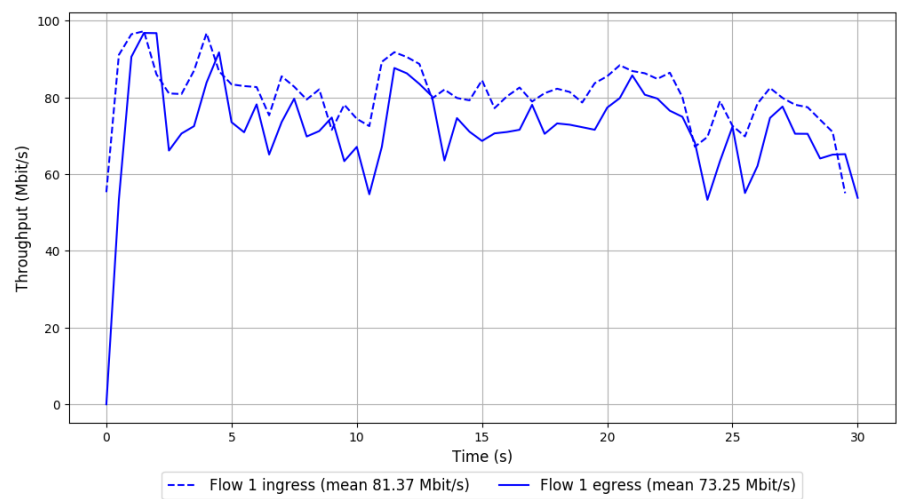


Run 5: Statistics of Indigo

Start at: 2018-07-17 10:17:27
End at: 2018-07-17 10:17:57
Local clock offset: -6.44 ms
Remote clock offset: -3.773 ms

Below is generated by plot.py at 2018-07-17 12:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 11.839 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 11.839 ms
Loss rate: 9.99%

Run 5: Report of Indigo — Data Link

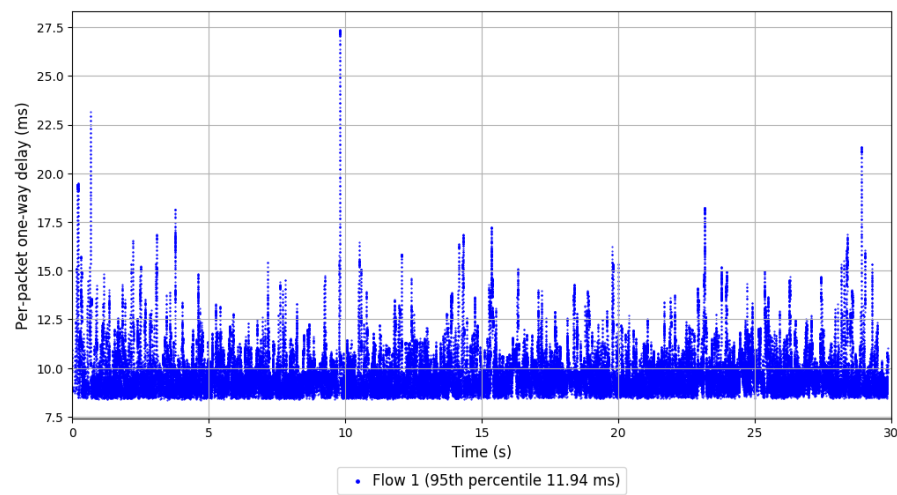
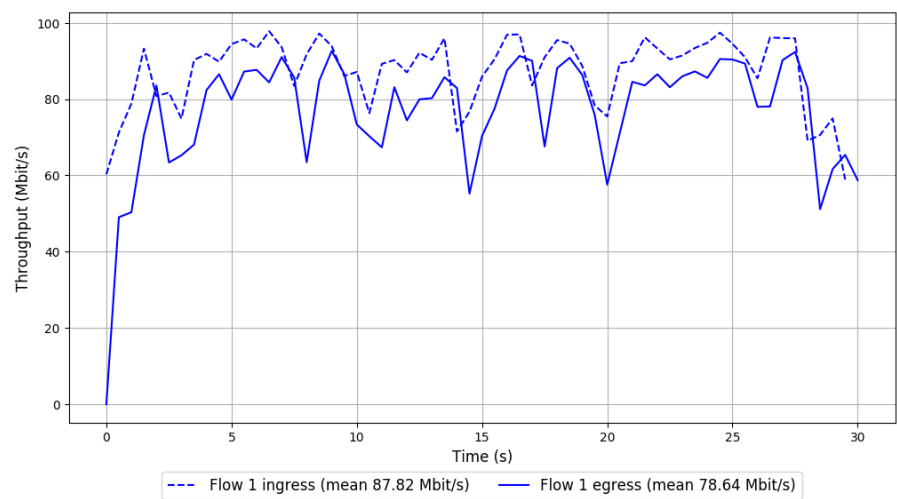


Run 6: Statistics of Indigo

Start at: 2018-07-17 10:36:45
End at: 2018-07-17 10:37:15
Local clock offset: -8.285 ms
Remote clock offset: -16.63 ms

Below is generated by plot.py at 2018-07-17 12:19:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 11.941 ms
Loss rate: 10.46%
-- Flow 1:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 11.941 ms
Loss rate: 10.46%

Run 6: Report of Indigo — Data Link

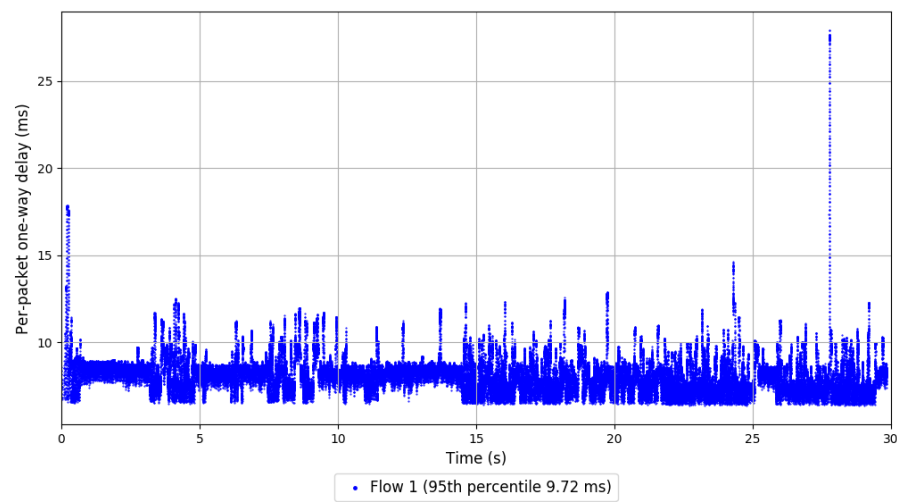
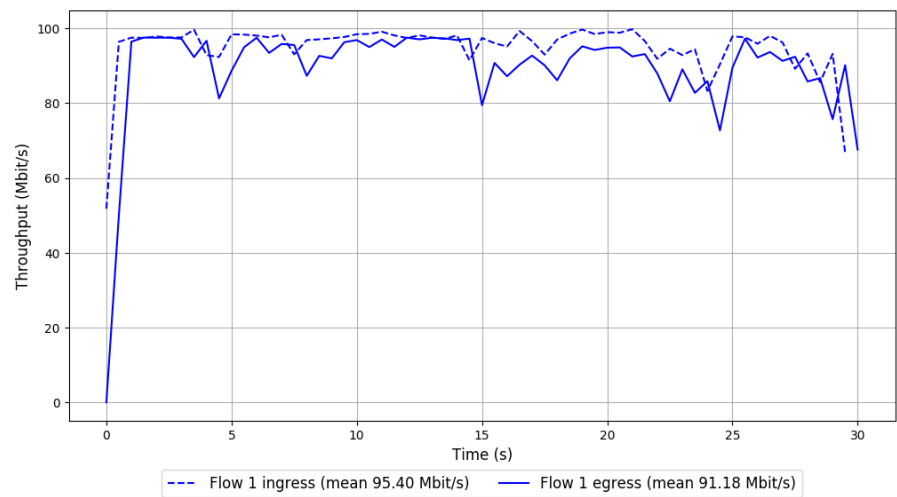


Run 7: Statistics of Indigo

Start at: 2018-07-17 10:56:45
End at: 2018-07-17 10:57:15
Local clock offset: -9.133 ms
Remote clock offset: -17.355 ms

Below is generated by plot.py at 2018-07-17 12:20:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 9.721 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 9.721 ms
Loss rate: 4.42%

Run 7: Report of Indigo — Data Link

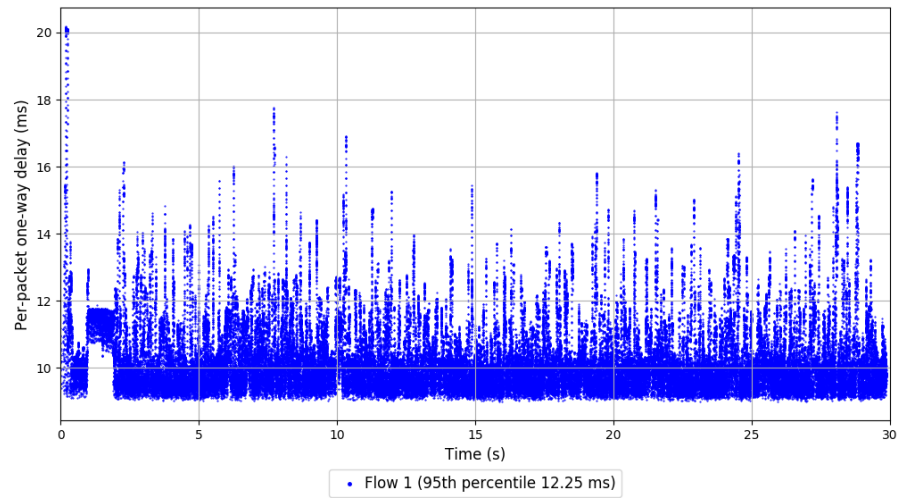
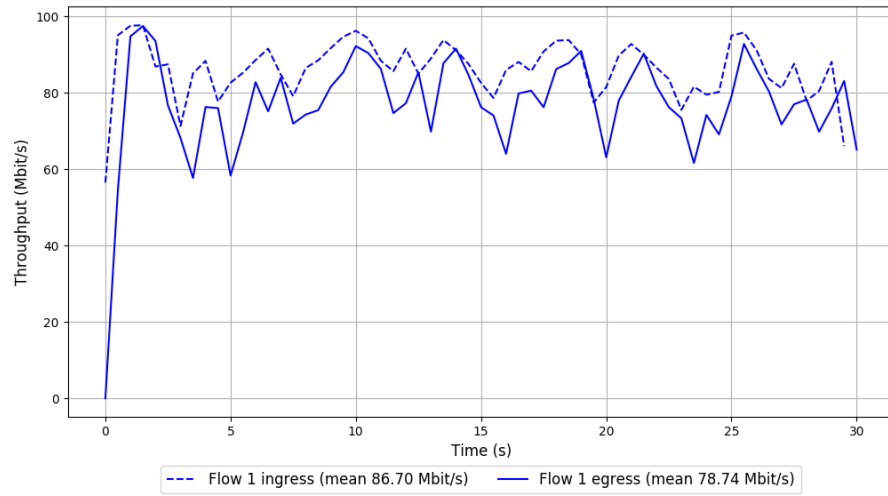


Run 8: Statistics of Indigo

Start at: 2018-07-17 11:16:29
End at: 2018-07-17 11:16:59
Local clock offset: -10.235 ms
Remote clock offset: -11.864 ms

Below is generated by plot.py at 2018-07-17 12:20:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 12.248 ms
Loss rate: 9.18%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 12.248 ms
Loss rate: 9.18%

Run 8: Report of Indigo — Data Link

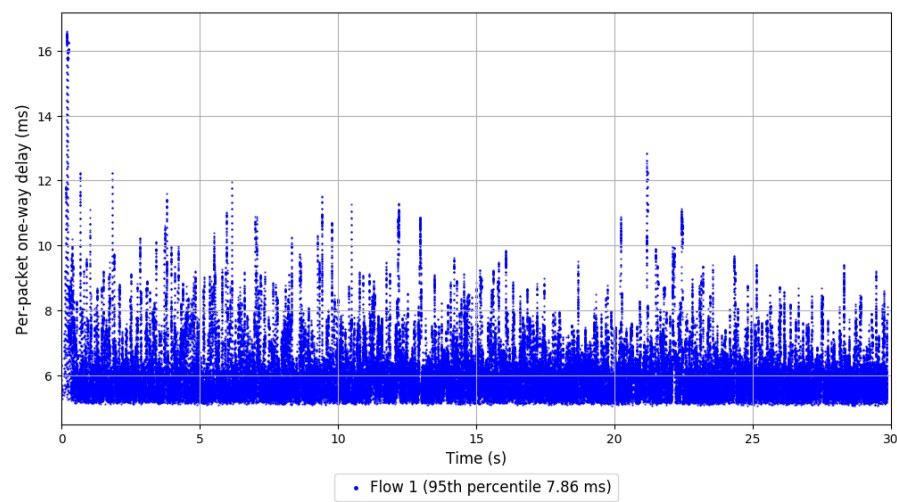
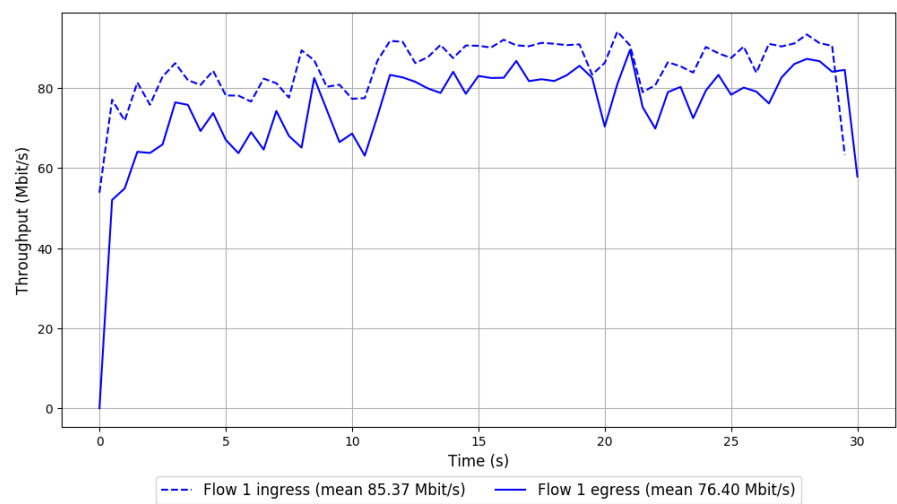


Run 9: Statistics of Indigo

Start at: 2018-07-17 11:36:35
End at: 2018-07-17 11:37:05
Local clock offset: -5.819 ms
Remote clock offset: -9.997 ms

Below is generated by plot.py at 2018-07-17 12:20:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.40 Mbit/s
95th percentile per-packet one-way delay: 7.861 ms
Loss rate: 10.50%
-- Flow 1:
Average throughput: 76.40 Mbit/s
95th percentile per-packet one-way delay: 7.861 ms
Loss rate: 10.50%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-17 11:56:34

End at: 2018-07-17 11:57:04

Local clock offset: -4.13 ms

Remote clock offset: -6.593 ms

Below is generated by plot.py at 2018-07-17 12:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 11.323 ms

Loss rate: 7.82%

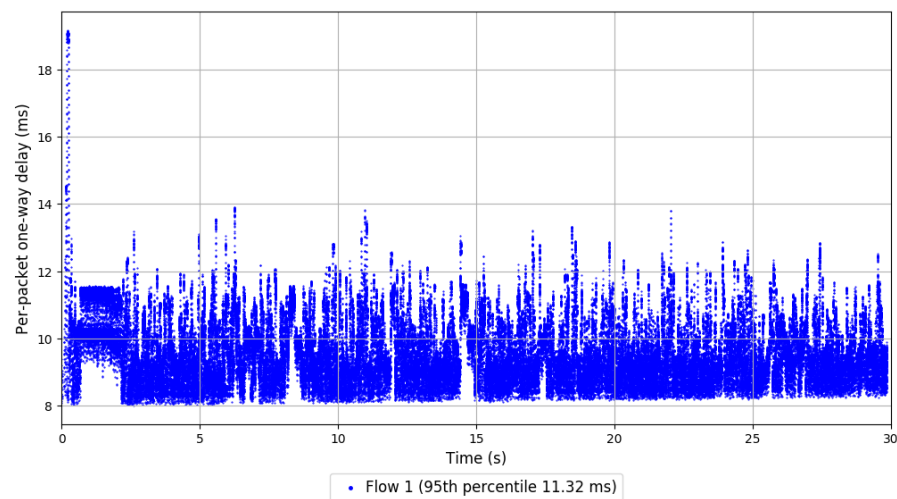
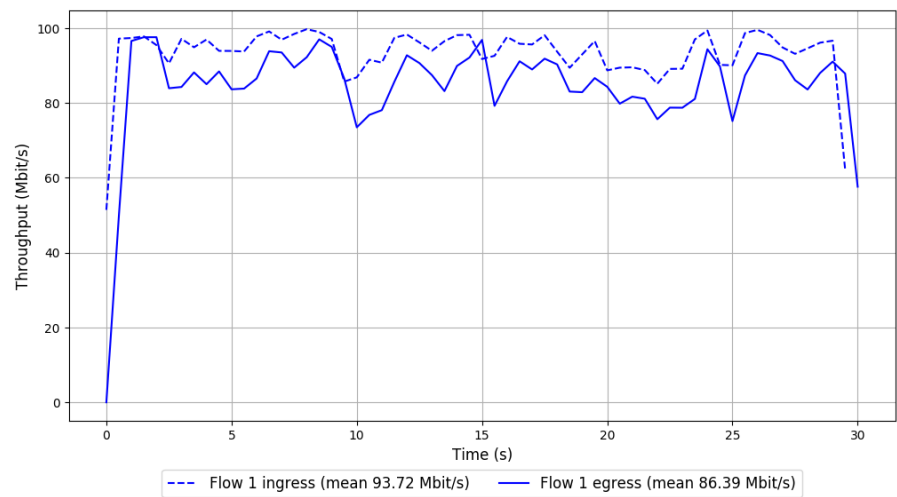
-- Flow 1:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 11.323 ms

Loss rate: 7.82%

Run 10: Report of Indigo — Data Link

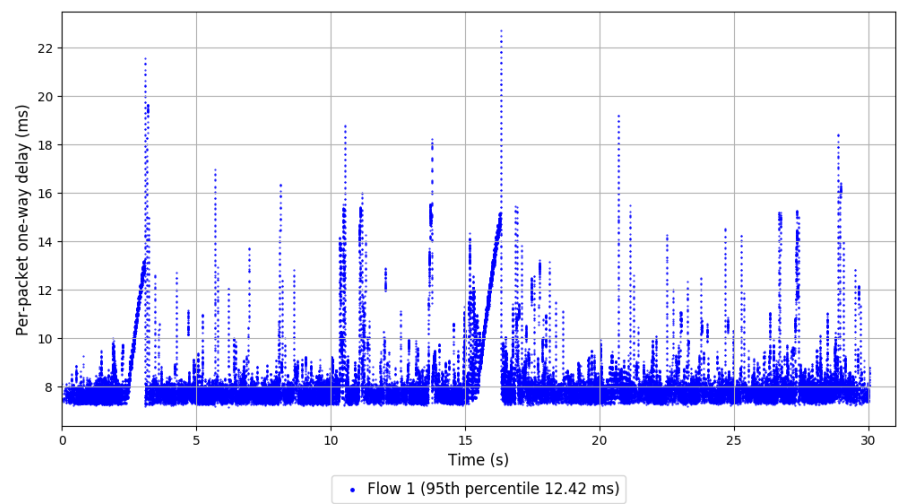
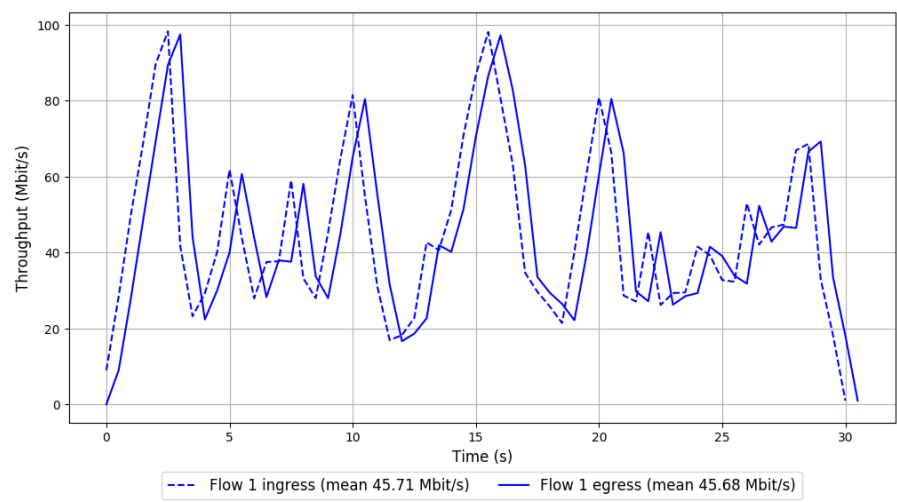


Run 1: Statistics of LEDBAT

Start at: 2018-07-17 08:54:21
End at: 2018-07-17 08:54:51
Local clock offset: 5.399 ms
Remote clock offset: -8.975 ms

Below is generated by plot.py at 2018-07-17 12:20:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 12.424 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 12.424 ms
Loss rate: 0.06%

Run 1: Report of LEDBAT — Data Link

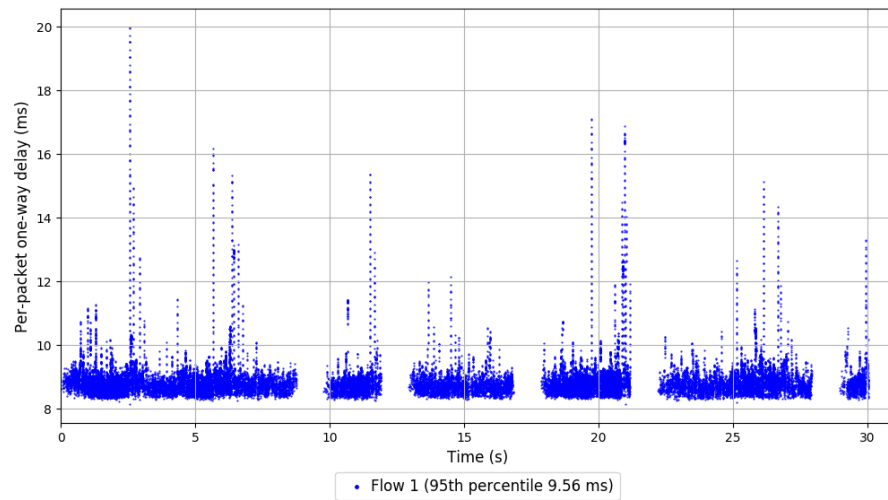
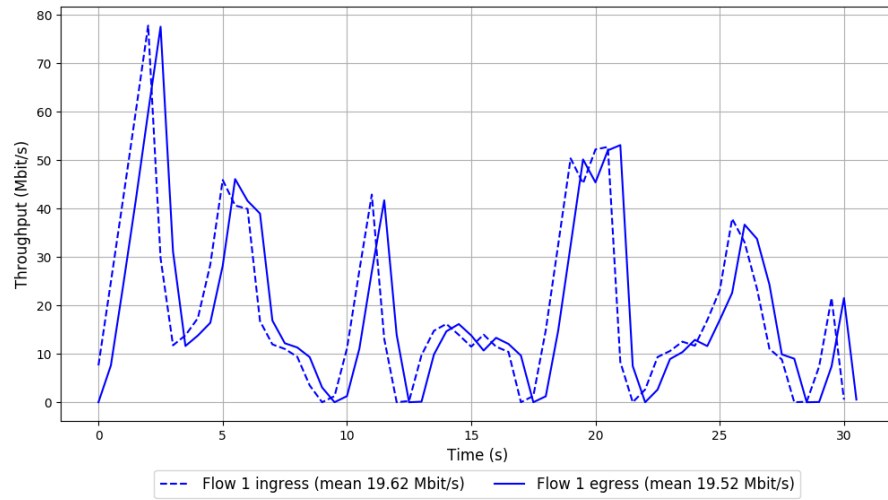


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 09:13:59
End at: 2018-07-17 09:14:29
Local clock offset: -3.759 ms
Remote clock offset: -10.215 ms

Below is generated by plot.py at 2018-07-17 12:20:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 9.562 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 9.562 ms
Loss rate: 0.53%

Run 2: Report of LEDBAT — Data Link

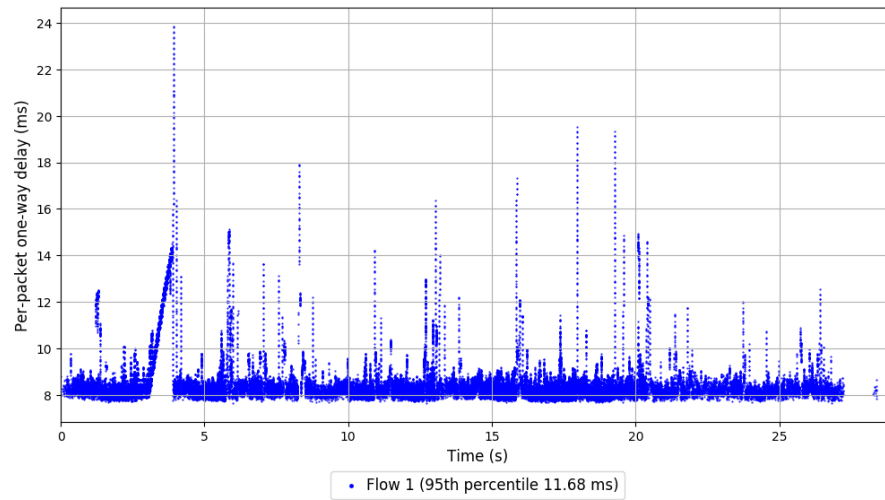
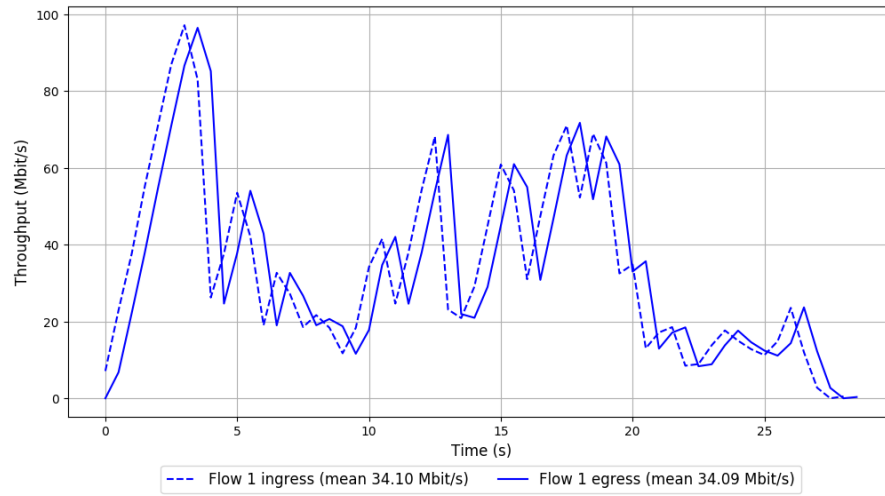


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 09:33:26
End at: 2018-07-17 09:33:56
Local clock offset: -6.28 ms
Remote clock offset: -12.882 ms

Below is generated by plot.py at 2018-07-17 12:20:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 11.681 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 11.681 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link

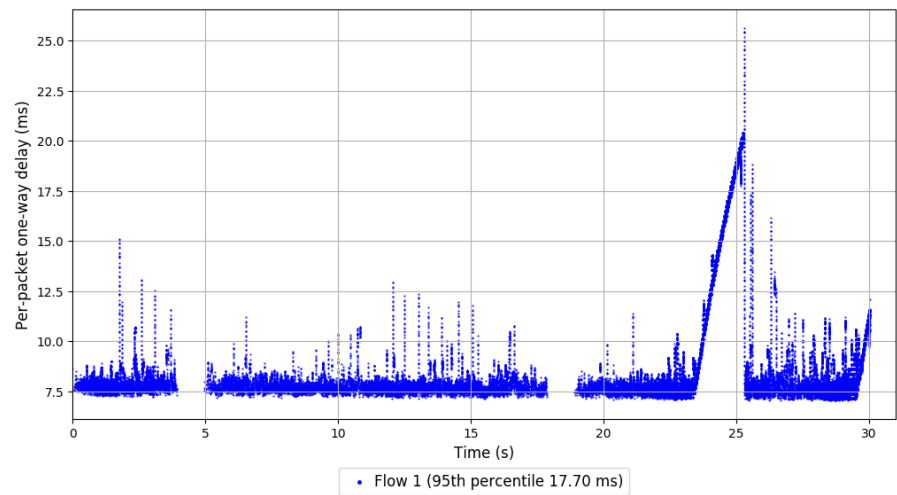
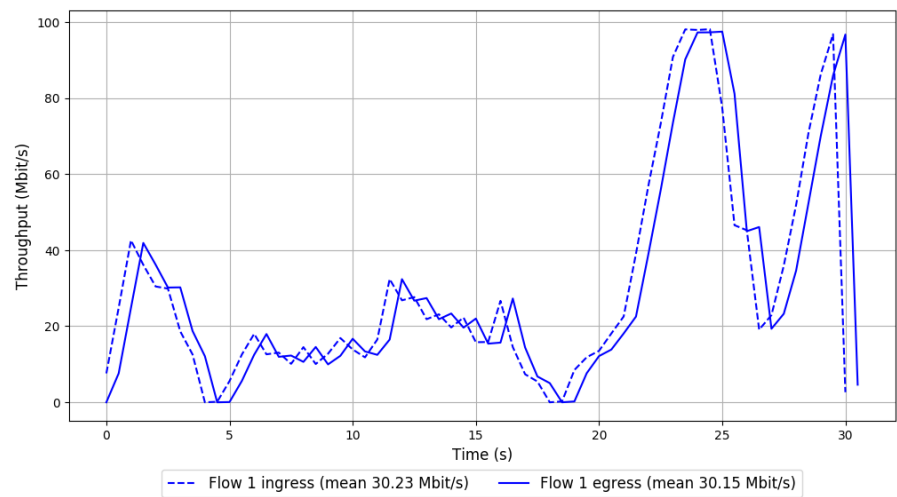


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 09:53:03
End at: 2018-07-17 09:53:33
Local clock offset: -8.363 ms
Remote clock offset: -6.924 ms

Below is generated by plot.py at 2018-07-17 12:20:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 17.702 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 17.702 ms
Loss rate: 0.26%

Run 4: Report of LEDBAT — Data Link

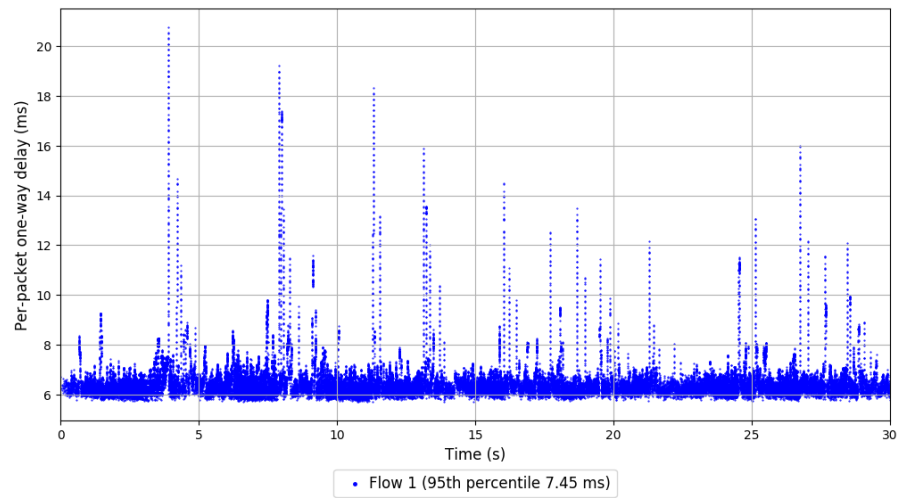
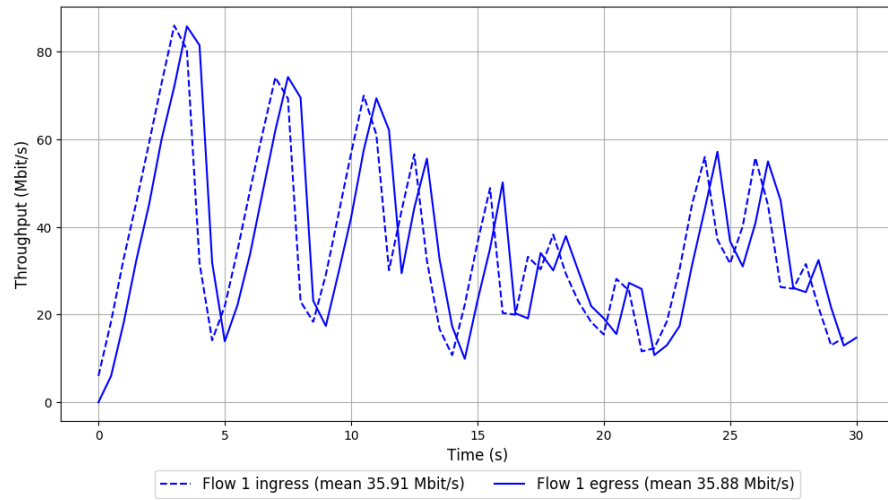


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 10:12:44
End at: 2018-07-17 10:13:14
Local clock offset: -5.398 ms
Remote clock offset: -5.928 ms

Below is generated by plot.py at 2018-07-17 12:20:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 7.450 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 7.450 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

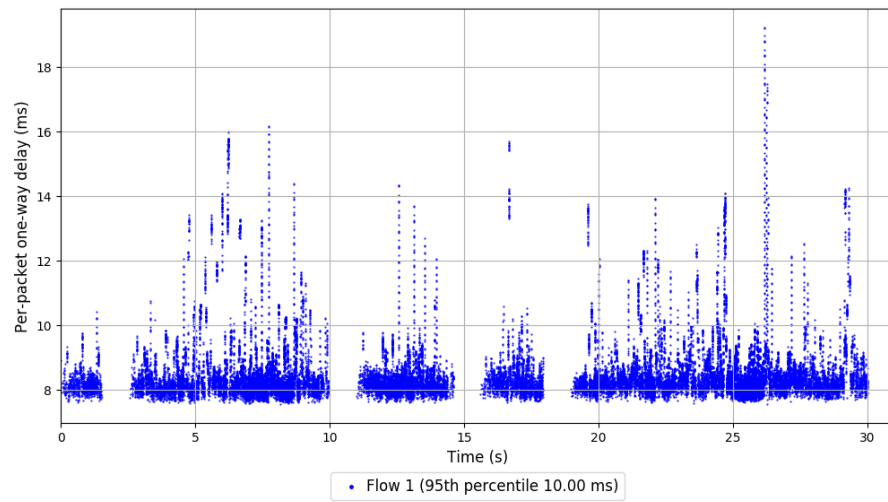
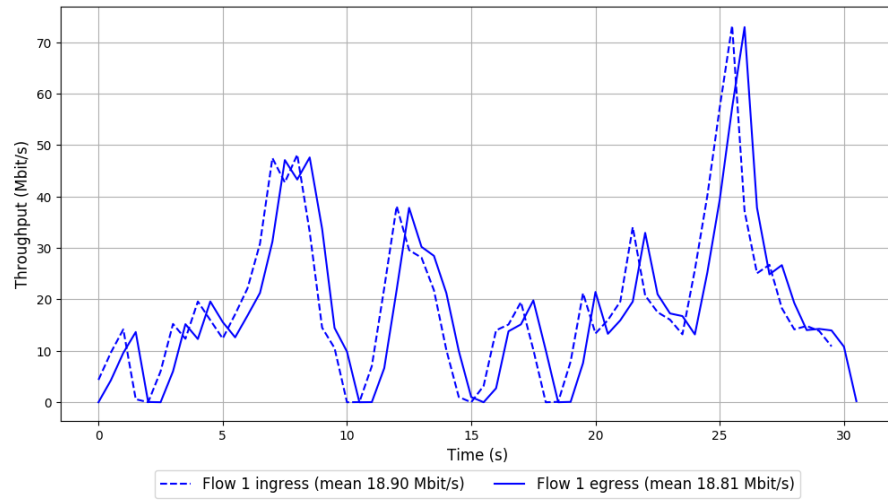


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 10:32:13
End at: 2018-07-17 10:32:43
Local clock offset: -6.866 ms
Remote clock offset: -15.415 ms

Below is generated by plot.py at 2018-07-17 12:20:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 9.998 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 9.998 ms
Loss rate: 0.47%

Run 6: Report of LEDBAT — Data Link

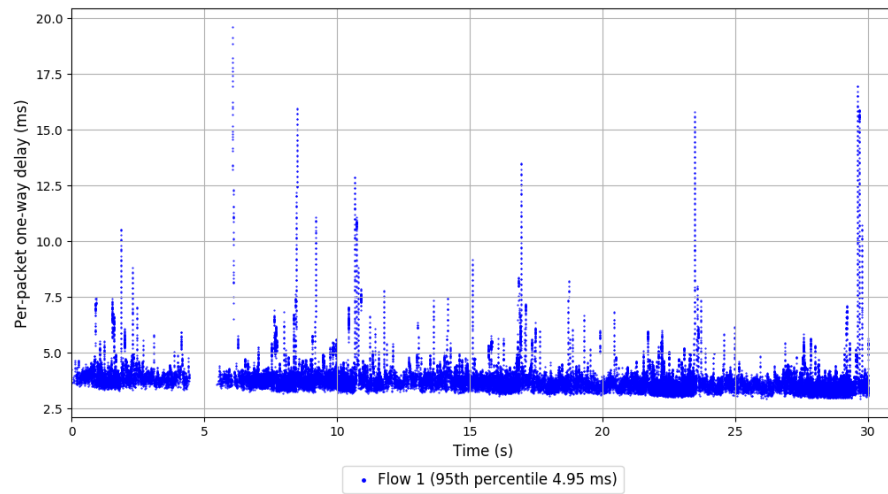
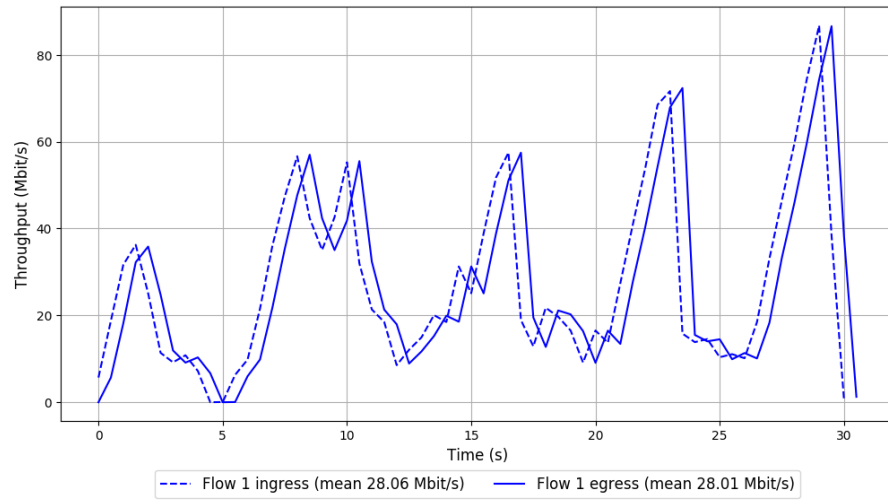


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 10:52:09
End at: 2018-07-17 10:52:39
Local clock offset: -8.574 ms
Remote clock offset: -21.056 ms

Below is generated by plot.py at 2018-07-17 12:20:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 4.945 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 4.945 ms
Loss rate: 0.17%

Run 7: Report of LEDBAT — Data Link

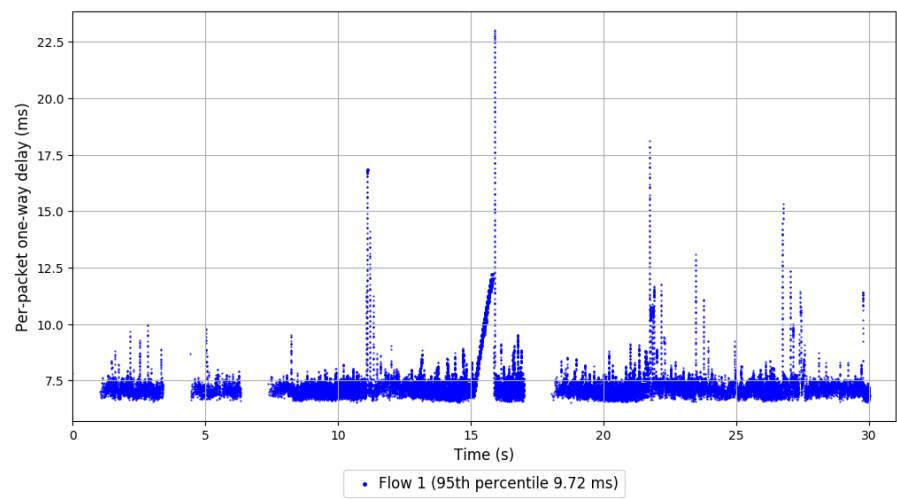
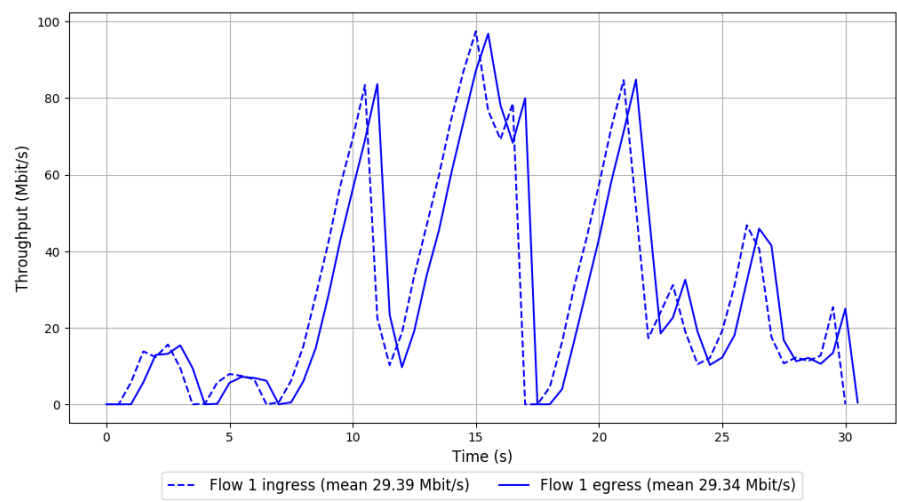


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 11:11:51
End at: 2018-07-17 11:12:21
Local clock offset: -9.759 ms
Remote clock offset: -14.062 ms

Below is generated by plot.py at 2018-07-17 12:20:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 9.725 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 9.725 ms
Loss rate: 0.18%

Run 8: Report of LEDBAT — Data Link

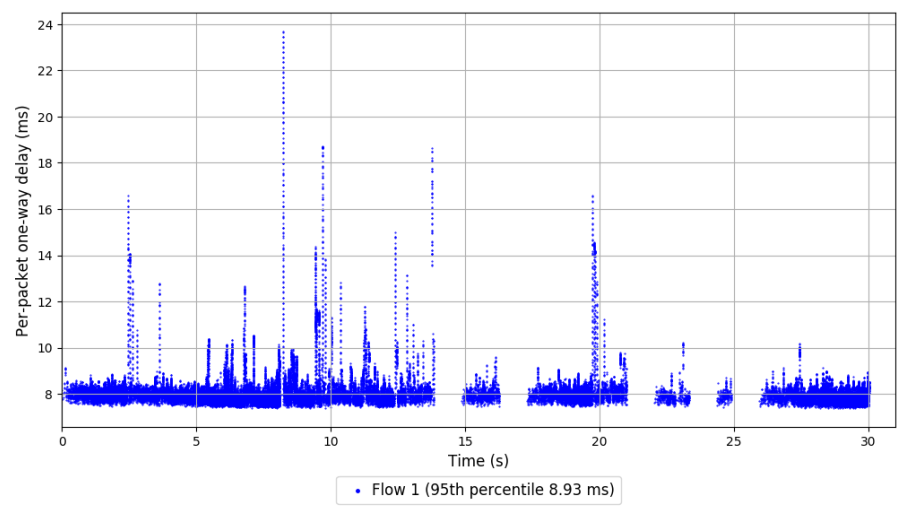
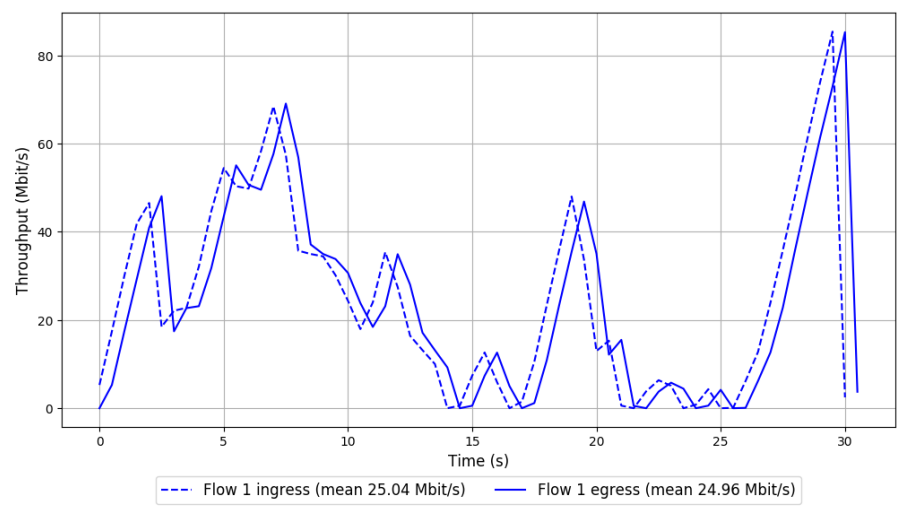


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 11:31:57
End at: 2018-07-17 11:32:27
Local clock offset: -5.493 ms
Remote clock offset: -9.488 ms

Below is generated by plot.py at 2018-07-17 12:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 8.925 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 8.925 ms
Loss rate: 0.33%

Run 9: Report of LEDBAT — Data Link

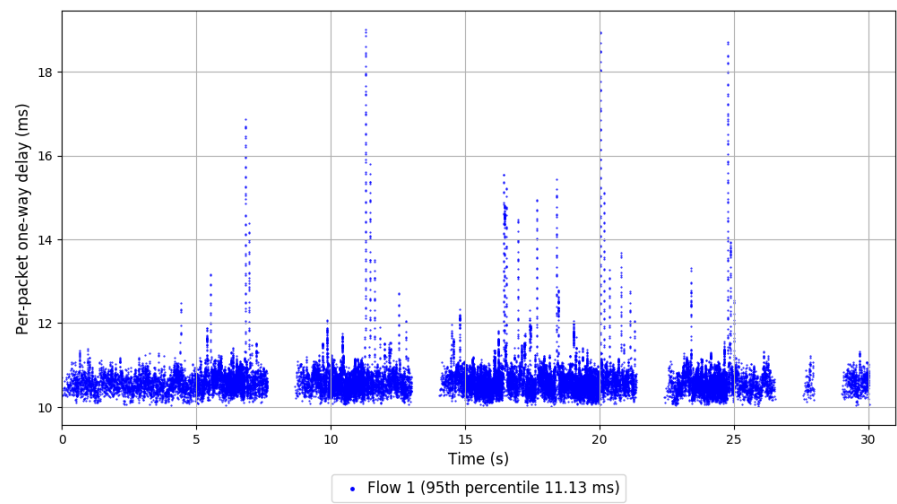
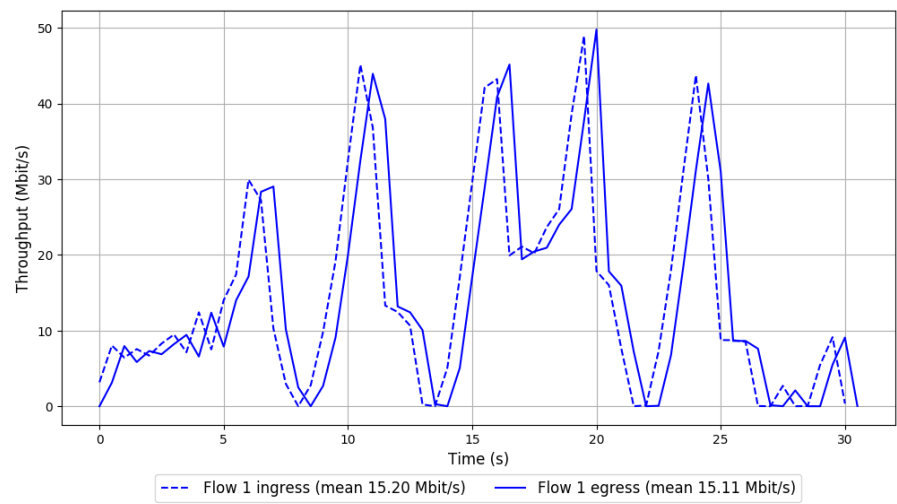


Run 10: Statistics of LEDBAT

Start at: 2018-07-17 11:51:54
End at: 2018-07-17 11:52:24
Local clock offset: -6.866 ms
Remote clock offset: -6.654 ms

Below is generated by plot.py at 2018-07-17 12:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 11.128 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 11.128 ms
Loss rate: 0.60%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 09:07:10

End at: 2018-07-17 09:07:40

Local clock offset: -2.359 ms

Remote clock offset: -9.979 ms

Below is generated by plot.py at 2018-07-17 12:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 10.739 ms

Loss rate: 8.03%

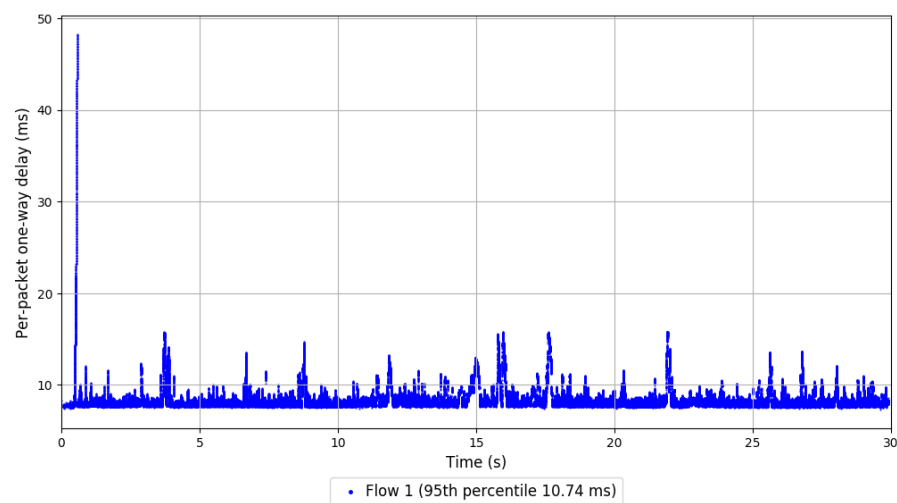
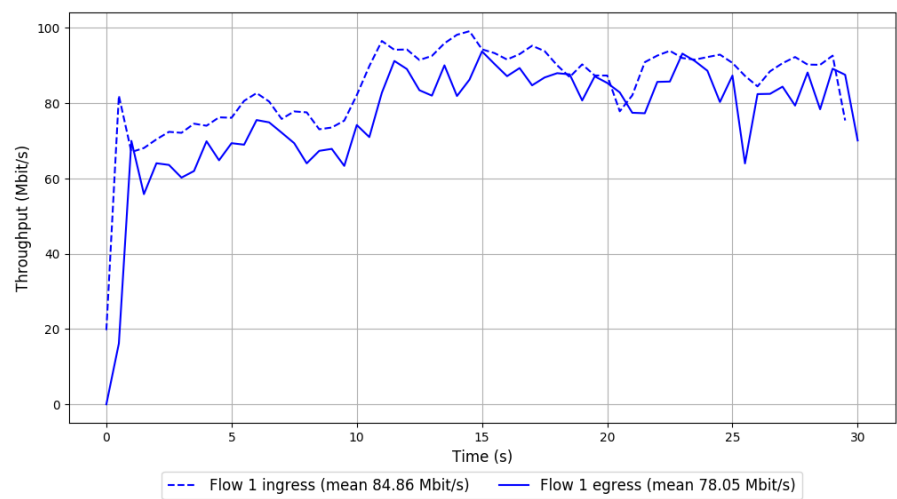
-- Flow 1:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 10.739 ms

Loss rate: 8.03%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 09:26:38

End at: 2018-07-17 09:27:08

Local clock offset: -5.627 ms

Remote clock offset: -11.729 ms

Below is generated by plot.py at 2018-07-17 12:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 10.253 ms

Loss rate: 9.23%

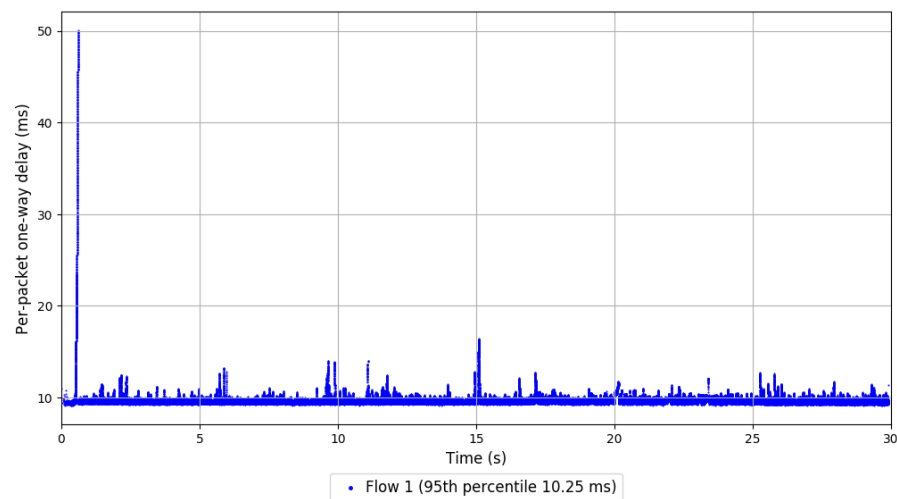
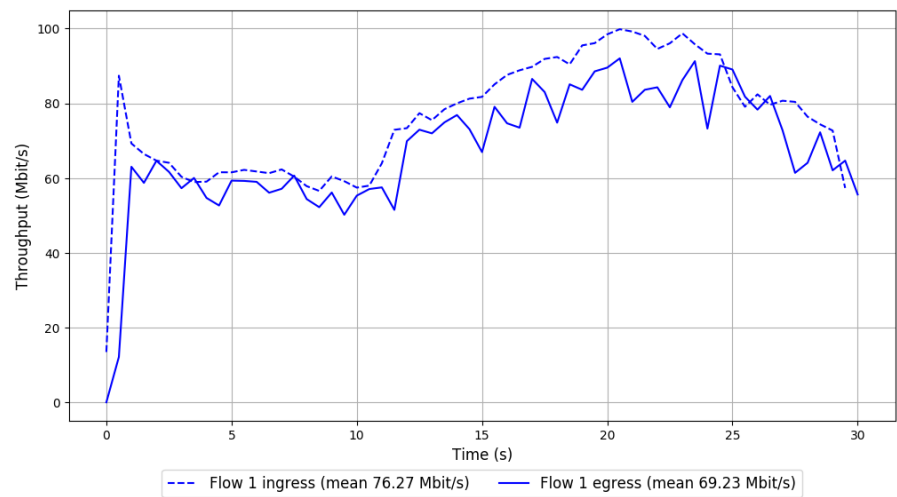
-- Flow 1:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 10.253 ms

Loss rate: 9.23%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 09:46:10

End at: 2018-07-17 09:46:40

Local clock offset: -8.318 ms

Remote clock offset: -10.973 ms

Below is generated by plot.py at 2018-07-17 12:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.64 Mbit/s

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

Loss rate: 9.50%

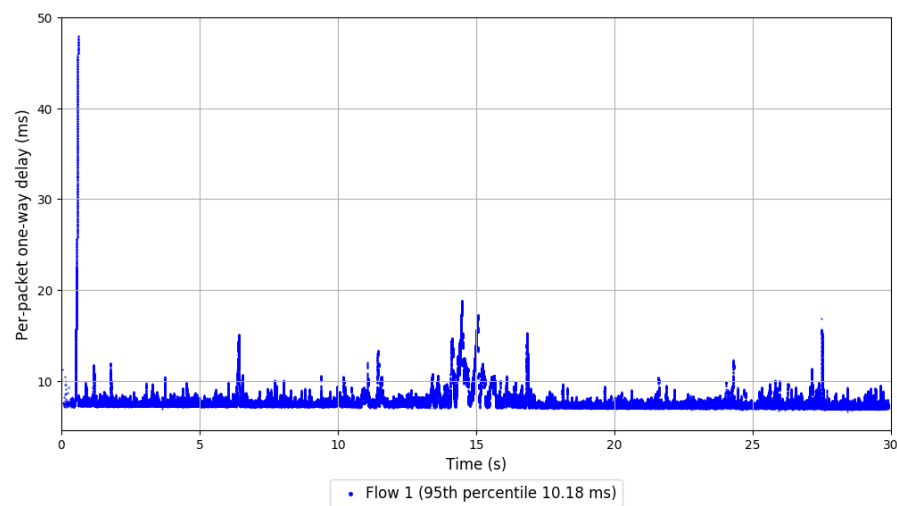
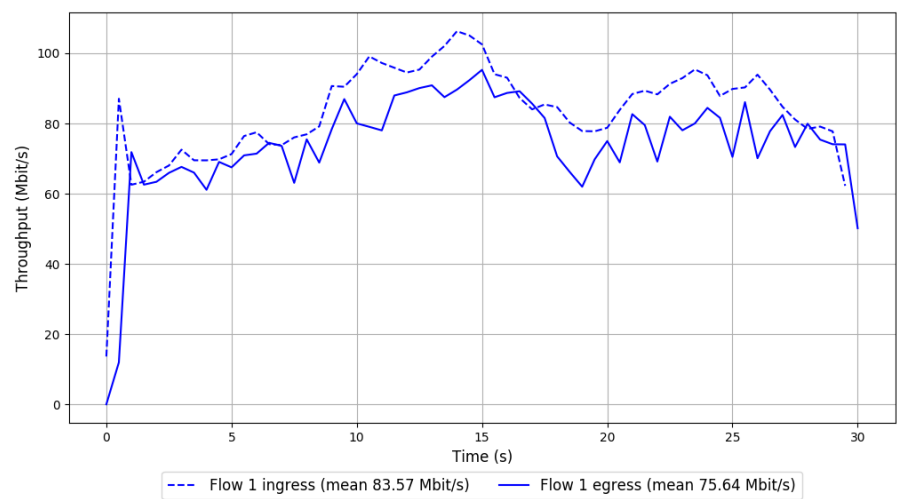
-- Flow 1:

Average throughput: 75.64 Mbit/s

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

Loss rate: 9.50%

Run 3: Report of PCC-Allegro — Data Link

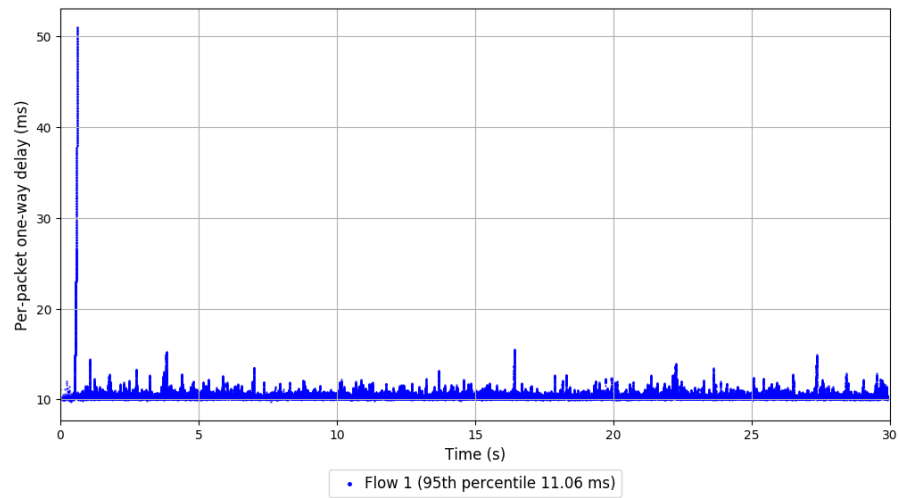
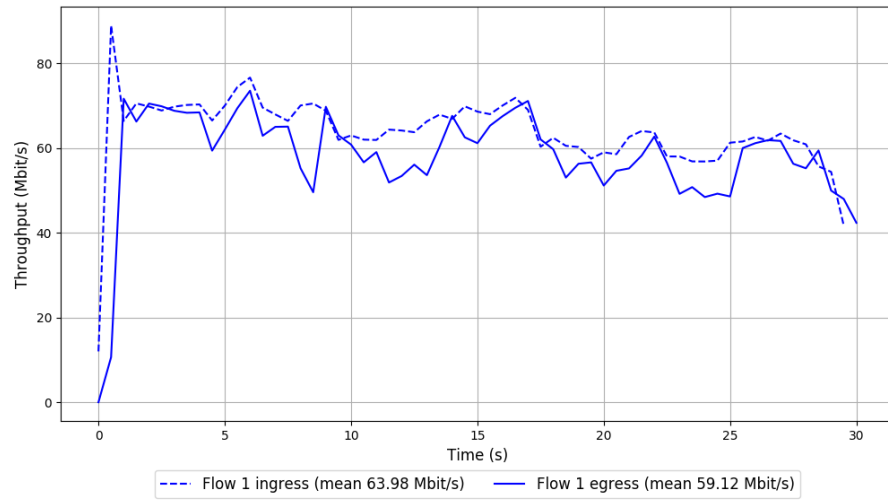


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 10:05:51
End at: 2018-07-17 10:06:21
Local clock offset: -6.932 ms
Remote clock offset: -4.917 ms

Below is generated by plot.py at 2018-07-17 12:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 11.062 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 11.062 ms
Loss rate: 7.61%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 10:25:26

End at: 2018-07-17 10:25:56

Local clock offset: -5.164 ms

Remote clock offset: -10.862 ms

Below is generated by plot.py at 2018-07-17 12:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 8.383 ms

Loss rate: 6.84%

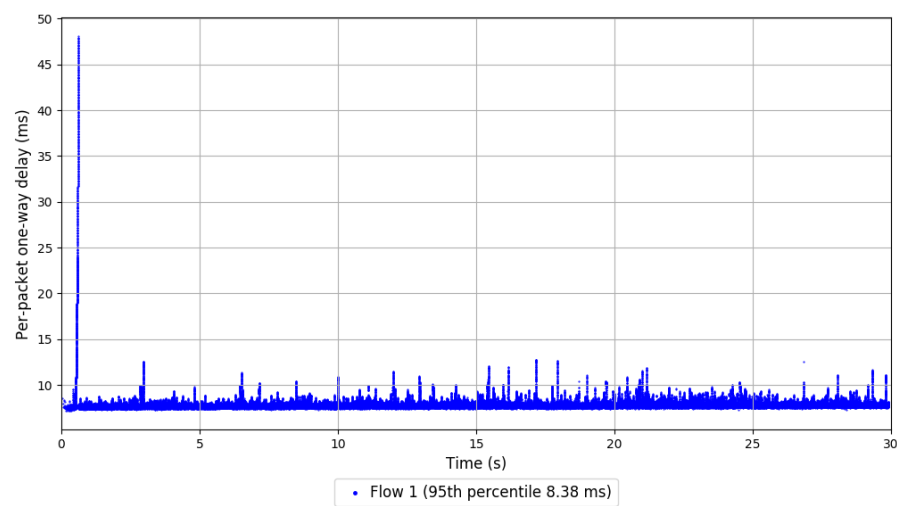
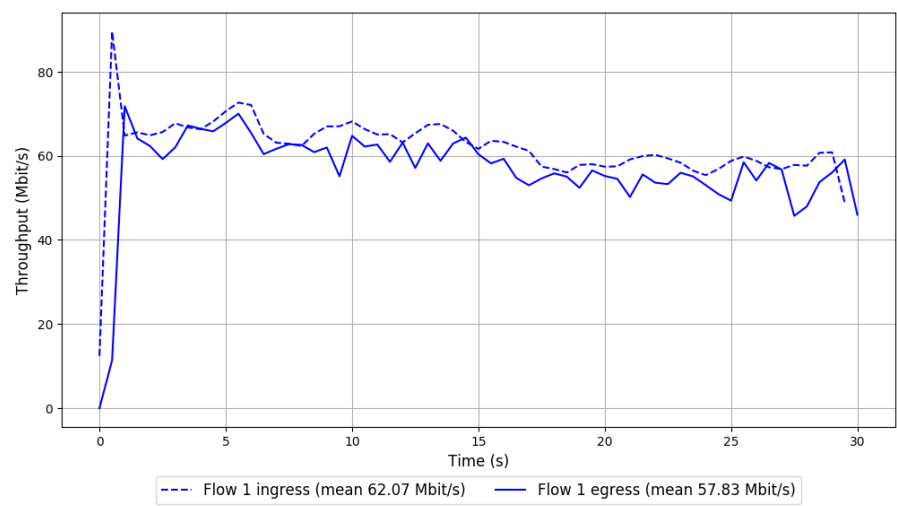
-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 8.383 ms

Loss rate: 6.84%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 10:45:13

End at: 2018-07-17 10:45:43

Local clock offset: -9.21 ms

Remote clock offset: -18.51 ms

Below is generated by plot.py at 2018-07-17 12:21:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 9.469 ms

Loss rate: 6.90%

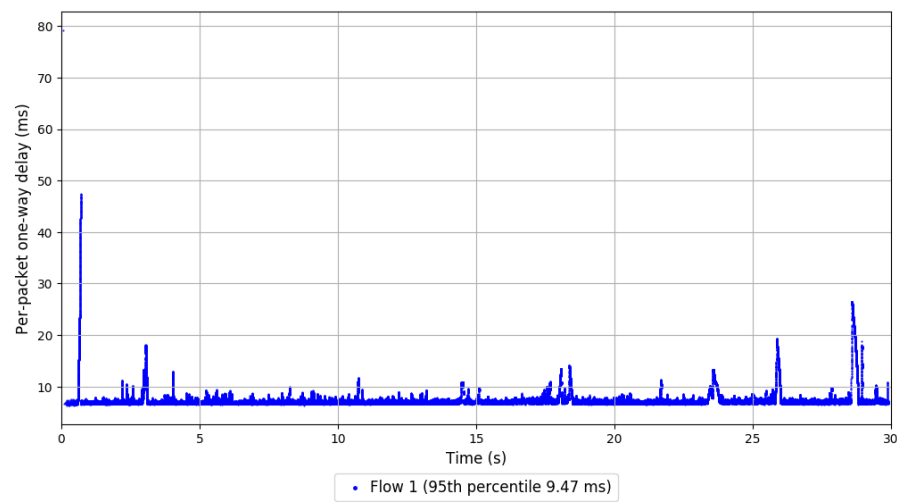
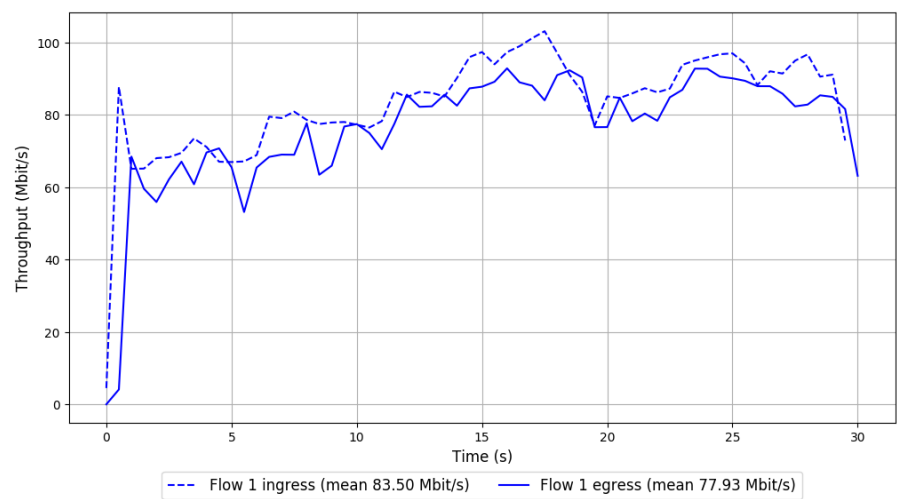
-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 9.469 ms

Loss rate: 6.90%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 11:04:58

End at: 2018-07-17 11:05:28

Local clock offset: -9.218 ms

Remote clock offset: -14.6 ms

Below is generated by plot.py at 2018-07-17 12:21:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 8.985 ms

Loss rate: 5.67%

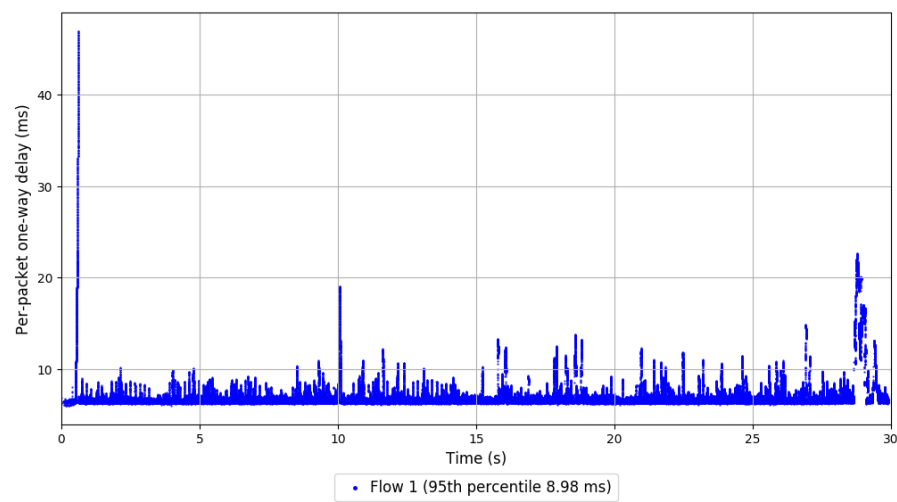
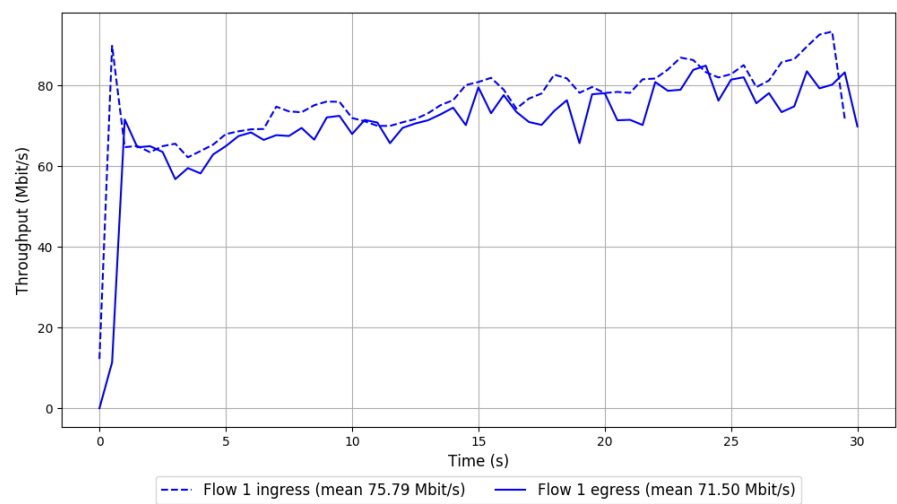
-- Flow 1:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 8.985 ms

Loss rate: 5.67%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 11:24:53

End at: 2018-07-17 11:25:23

Local clock offset: -6.494 ms

Remote clock offset: -12.688 ms

Below is generated by plot.py at 2018-07-17 12:21:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.79 Mbit/s

95th percentile per-packet one-way delay: 6.833 ms

Loss rate: 8.51%

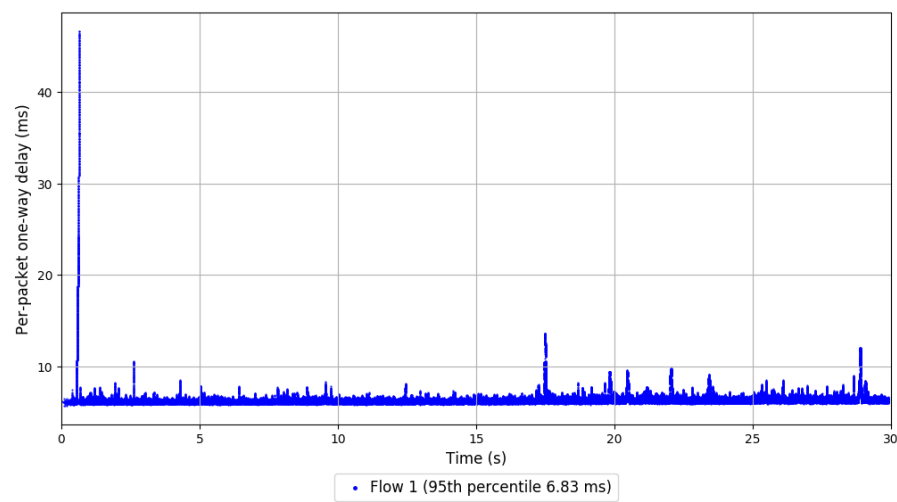
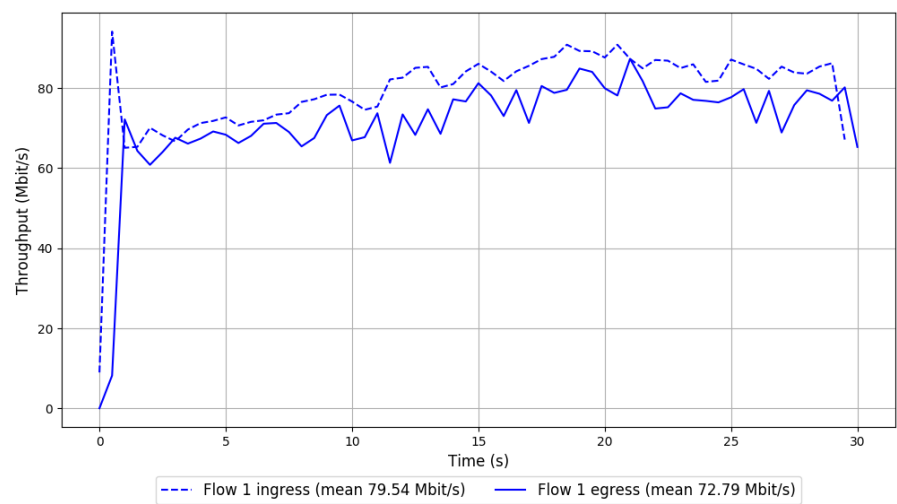
-- Flow 1:

Average throughput: 72.79 Mbit/s

95th percentile per-packet one-way delay: 6.833 ms

Loss rate: 8.51%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 11:45:03

End at: 2018-07-17 11:45:33

Local clock offset: -4.318 ms

Remote clock offset: -8.444 ms

Below is generated by plot.py at 2018-07-17 12:21:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 4.892 ms

Loss rate: 6.77%

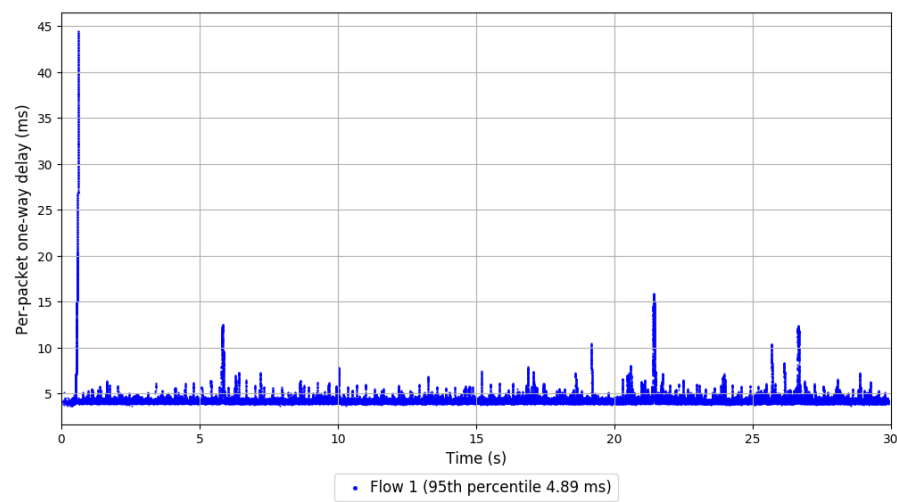
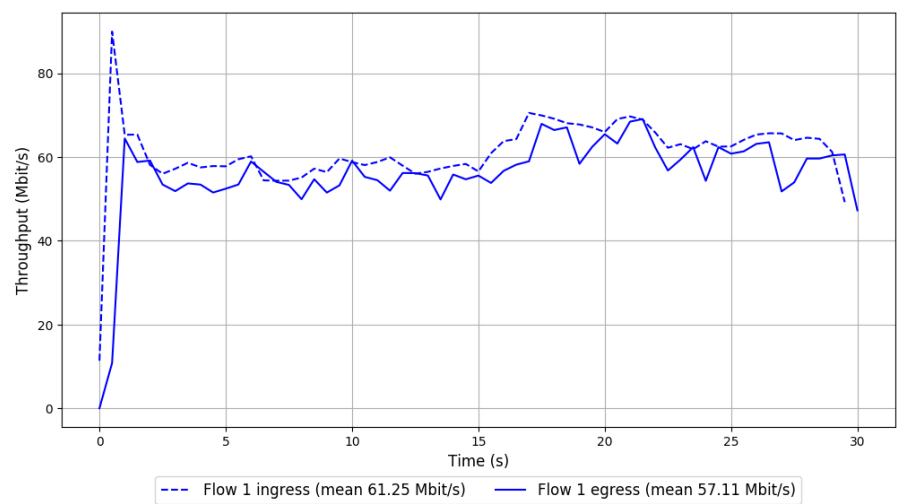
-- Flow 1:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 4.892 ms

Loss rate: 6.77%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 12:05:02

End at: 2018-07-17 12:05:32

Local clock offset: 1.212 ms

Remote clock offset: -7.344 ms

Below is generated by plot.py at 2018-07-17 12:21:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 5.216 ms

Loss rate: 1.55%

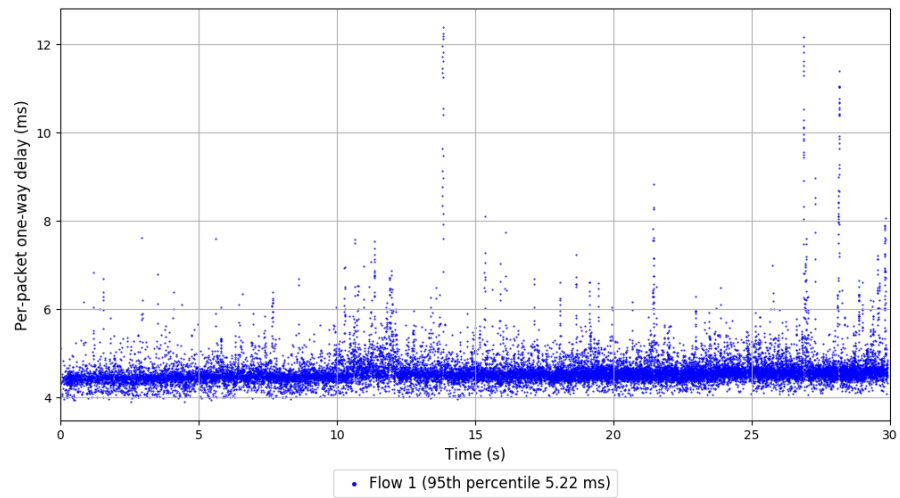
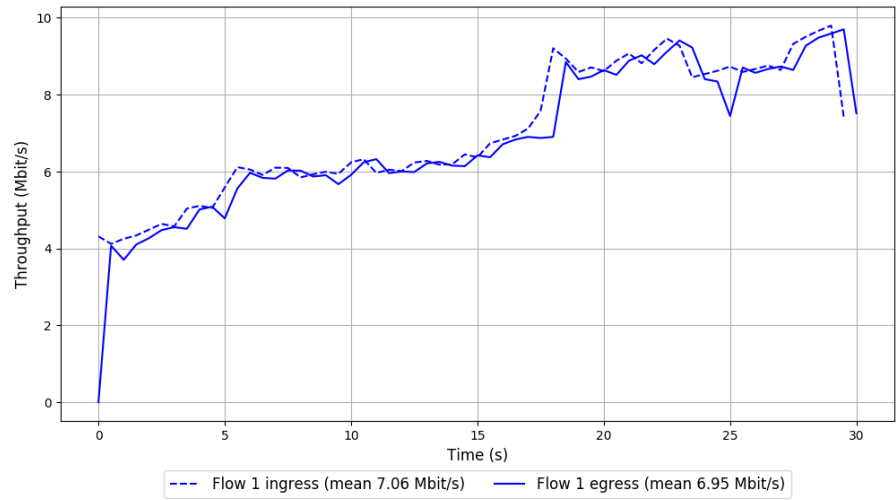
-- Flow 1:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 5.216 ms

Loss rate: 1.55%

Run 10: Report of PCC-Allegro — Data Link

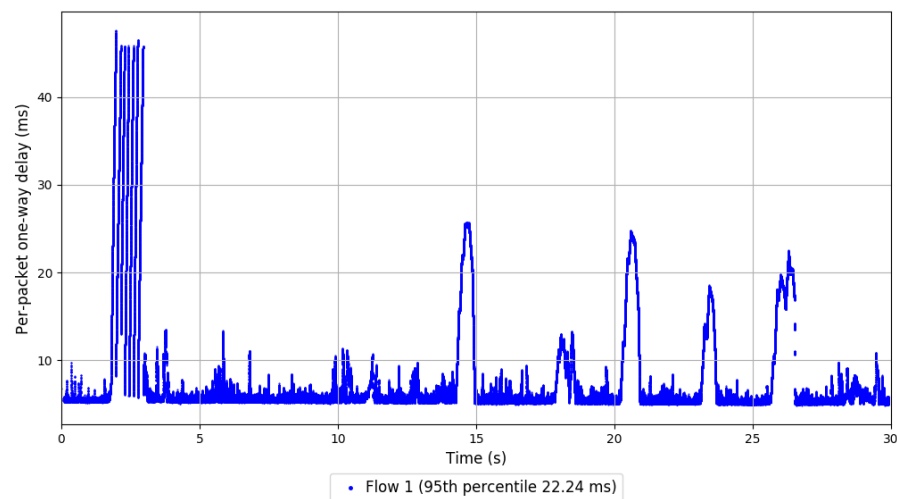
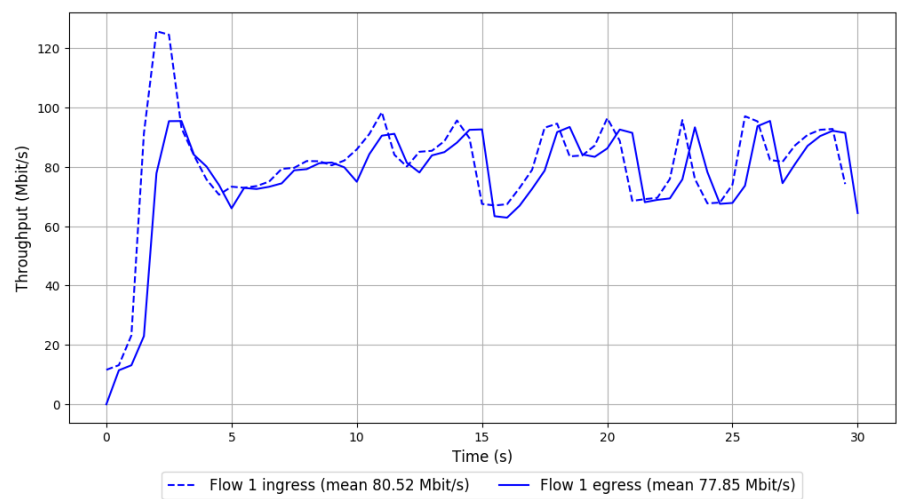


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 08:57:43
End at: 2018-07-17 08:58:13
Local clock offset: 4.287 ms
Remote clock offset: -10.126 ms

# Below is generated by plot.py at 2018-07-17 12:22:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 22.243 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 22.243 ms
Loss rate: 3.32%
```


Run 1: Report of PCC-Expr — Data Link

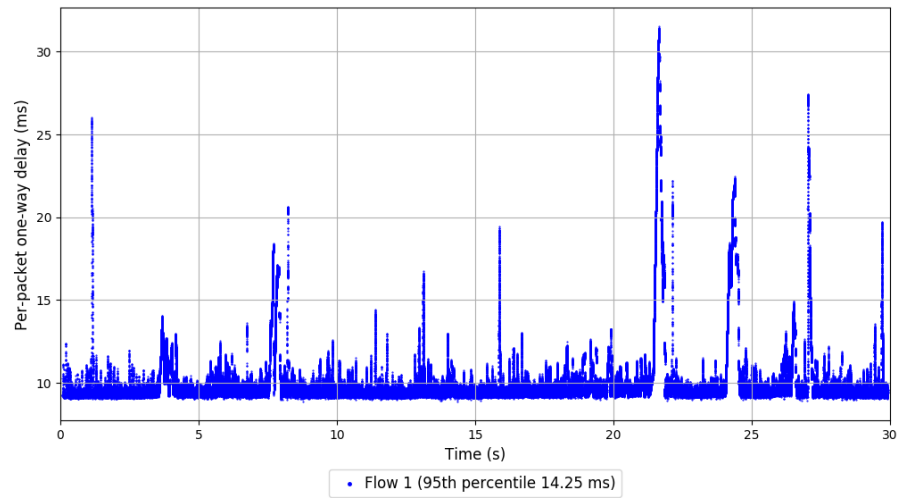
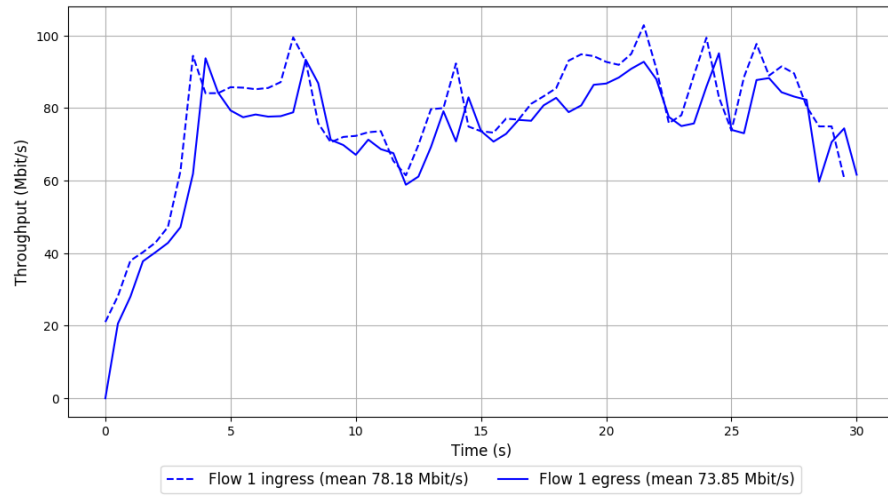


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 09:17:18
End at: 2018-07-17 09:17:48
Local clock offset: -5.256 ms
Remote clock offset: -10.863 ms

Below is generated by plot.py at 2018-07-17 12:22:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 14.248 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 14.248 ms
Loss rate: 5.53%

Run 2: Report of PCC-Expr — Data Link

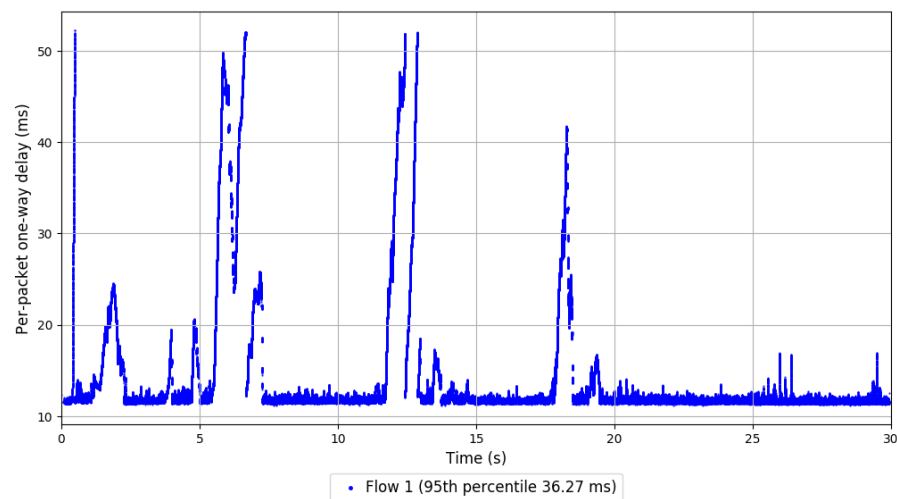
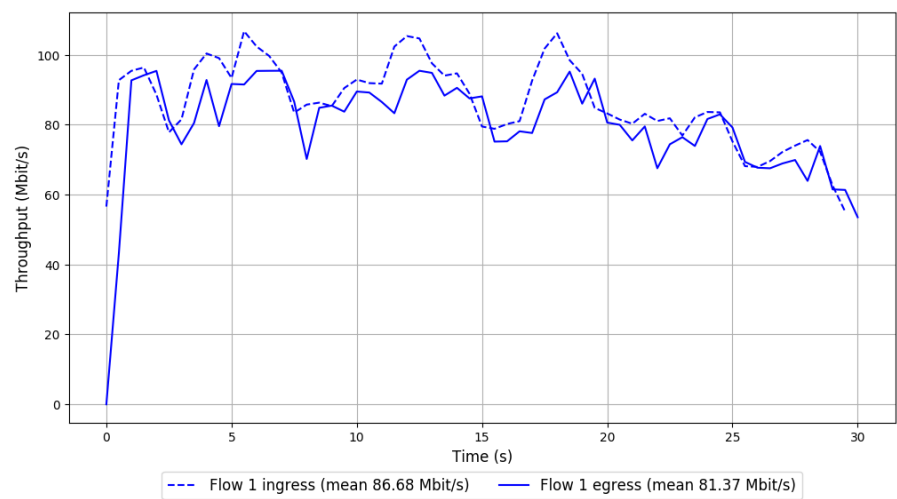


Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 09:36:48
End at: 2018-07-17 09:37:18
Local clock offset: -8.845 ms
Remote clock offset: -11.575 ms

Below is generated by plot.py at 2018-07-17 12:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 36.274 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 36.274 ms
Loss rate: 6.13%

Run 3: Report of PCC-Expr — Data Link

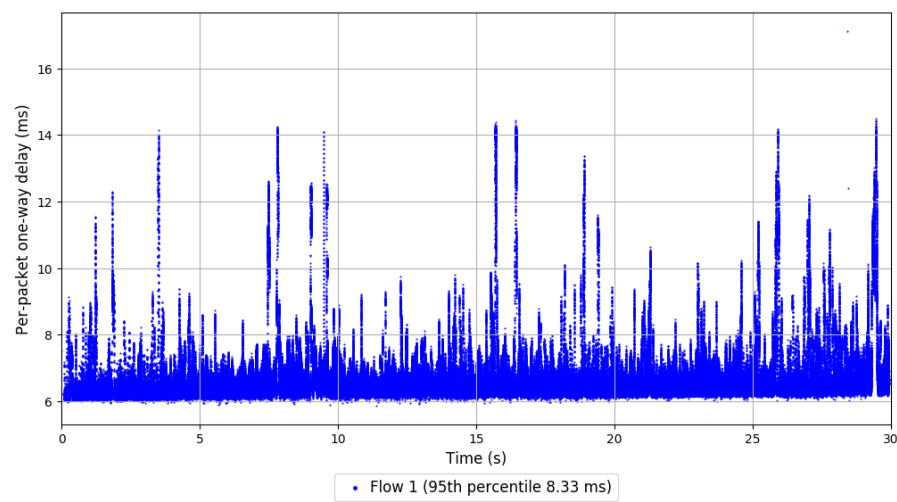
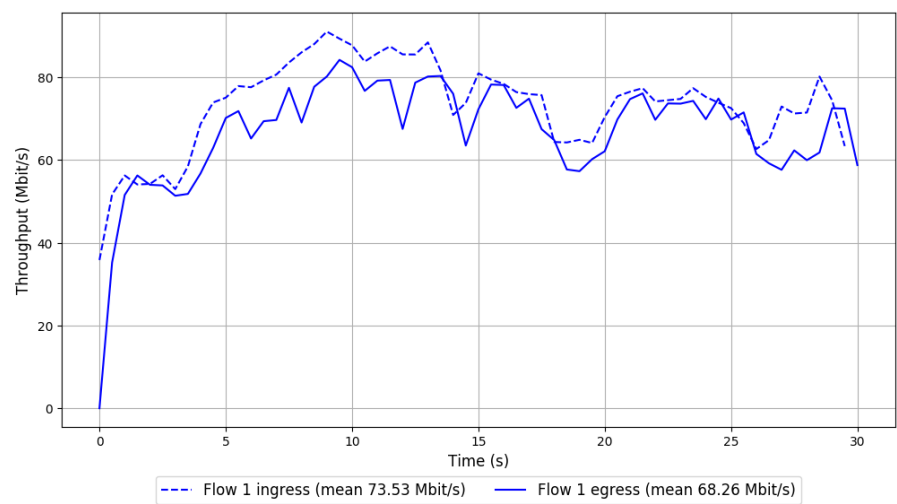


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 09:56:28
End at: 2018-07-17 09:56:59
Local clock offset: -8.087 ms
Remote clock offset: -7.512 ms

Below is generated by plot.py at 2018-07-17 12:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 8.331 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 8.331 ms
Loss rate: 7.18%

Run 4: Report of PCC-Expr — Data Link

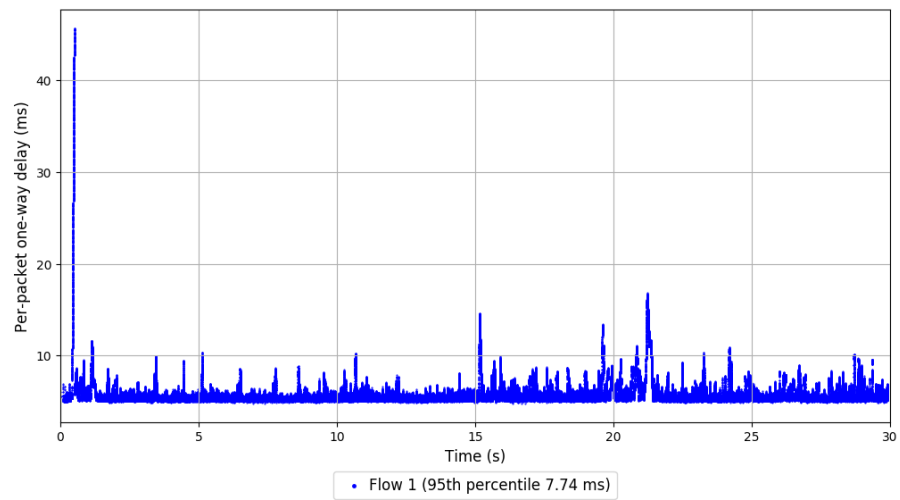
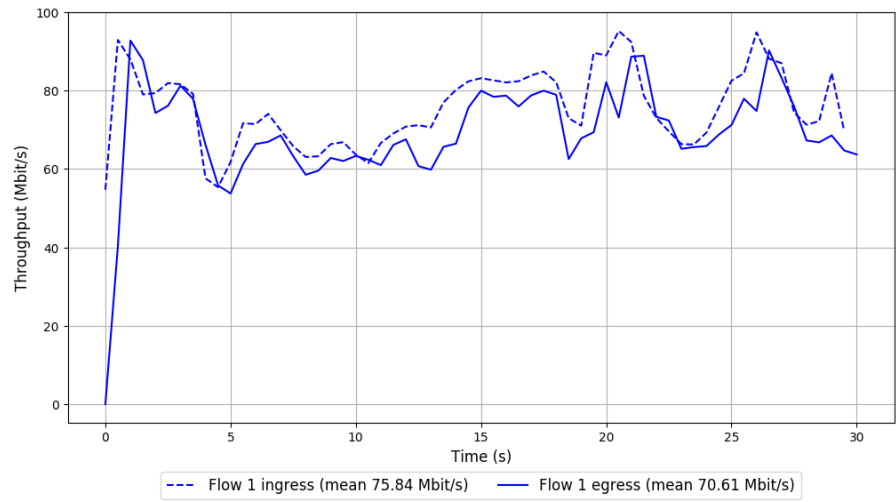


Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 10:16:10
End at: 2018-07-17 10:16:40
Local clock offset: -3.342 ms
Remote clock offset: -4.608 ms

Below is generated by plot.py at 2018-07-17 12:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 7.738 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 7.738 ms
Loss rate: 6.90%

Run 5: Report of PCC-Expr — Data Link

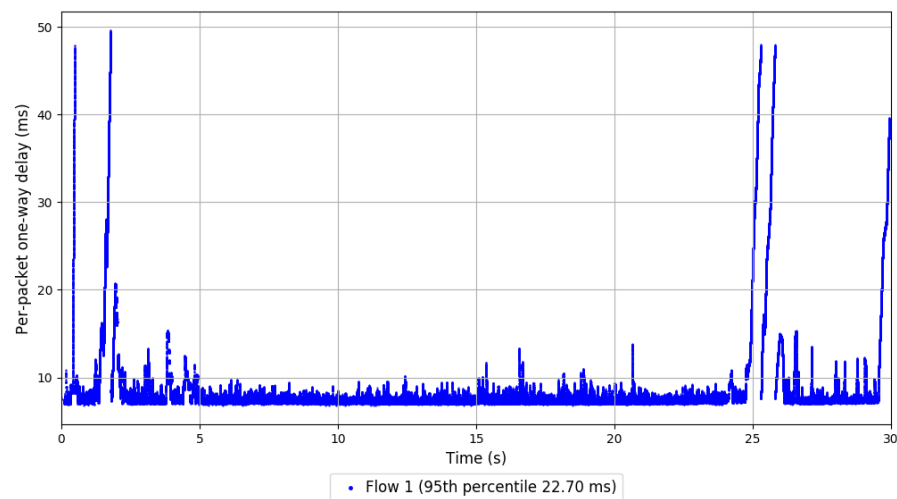
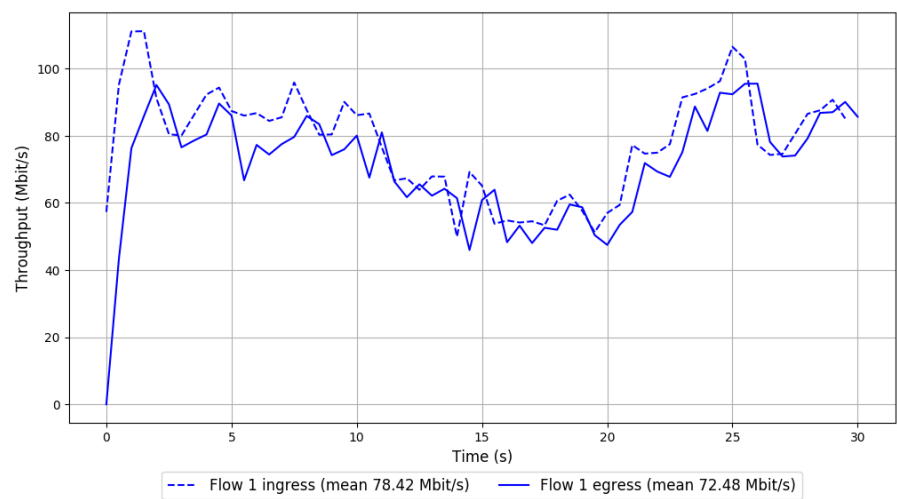


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 10:35:34
End at: 2018-07-17 10:36:04
Local clock offset: -7.877 ms
Remote clock offset: -17.558 ms

Below is generated by plot.py at 2018-07-17 12:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 22.702 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 22.702 ms
Loss rate: 7.49%

Run 6: Report of PCC-Expr — Data Link

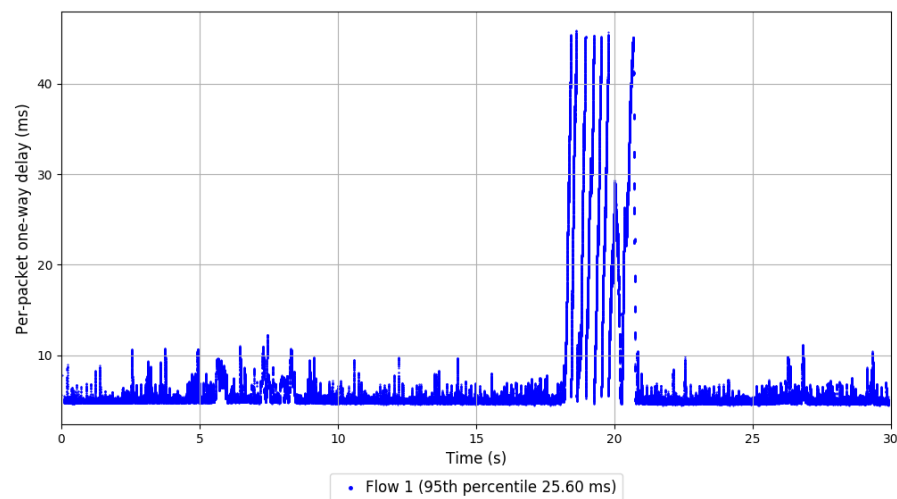
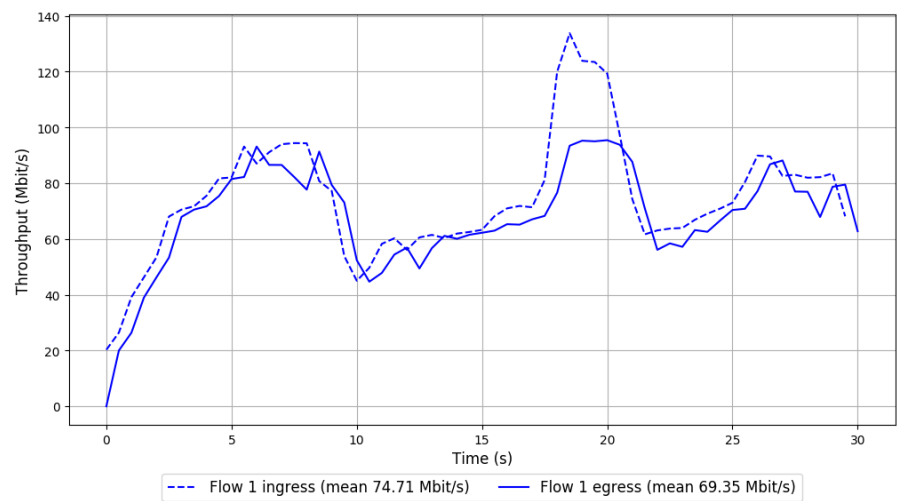


Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 10:55:30
End at: 2018-07-17 10:56:00
Local clock offset: -8.433 ms
Remote clock offset: -17.188 ms

Below is generated by plot.py at 2018-07-17 12:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 25.600 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 25.600 ms
Loss rate: 7.18%

Run 7: Report of PCC-Expr — Data Link

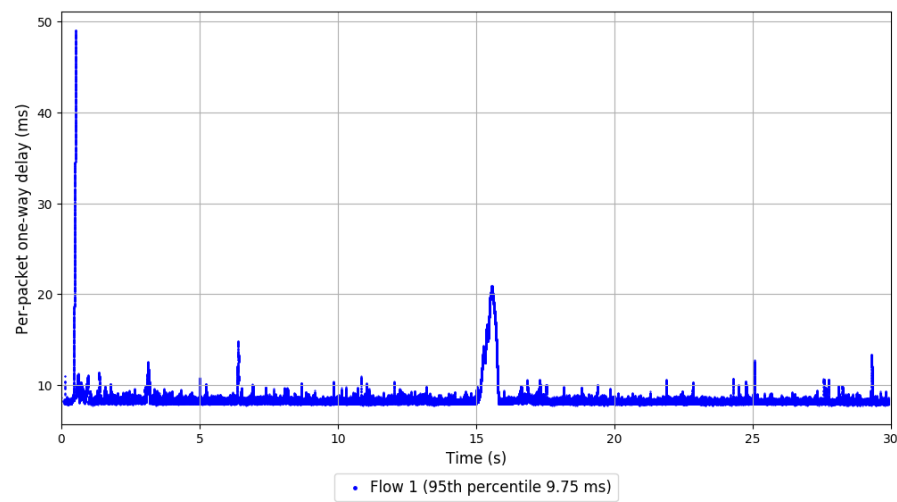
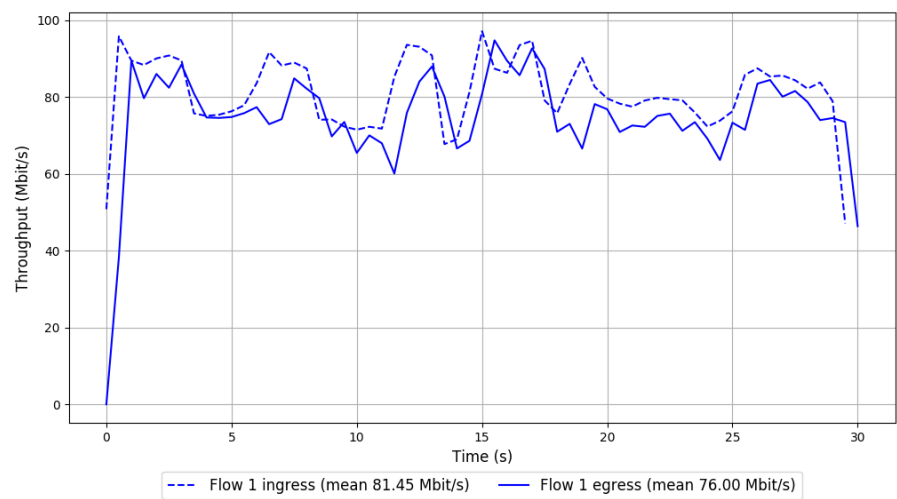


Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 11:15:15
End at: 2018-07-17 11:15:45
Local clock offset: -7.857 ms
Remote clock offset: -12.43 ms

Below is generated by plot.py at 2018-07-17 12:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 6.69%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 11:35:21

End at: 2018-07-17 11:35:51

Local clock offset: -6.217 ms

Remote clock offset: -9.46 ms

Below is generated by plot.py at 2018-07-17 12:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 7.208 ms

Loss rate: 6.91%

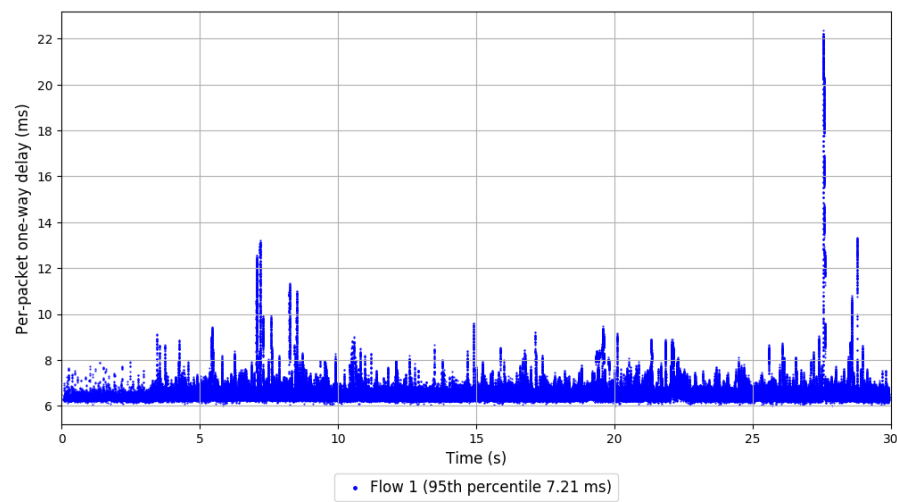
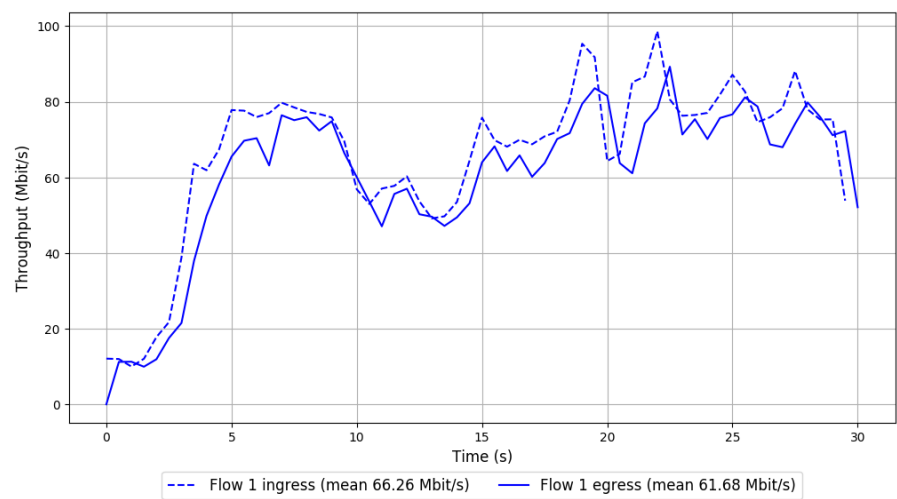
-- Flow 1:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 7.208 ms

Loss rate: 6.91%

Run 9: Report of PCC-Expr — Data Link

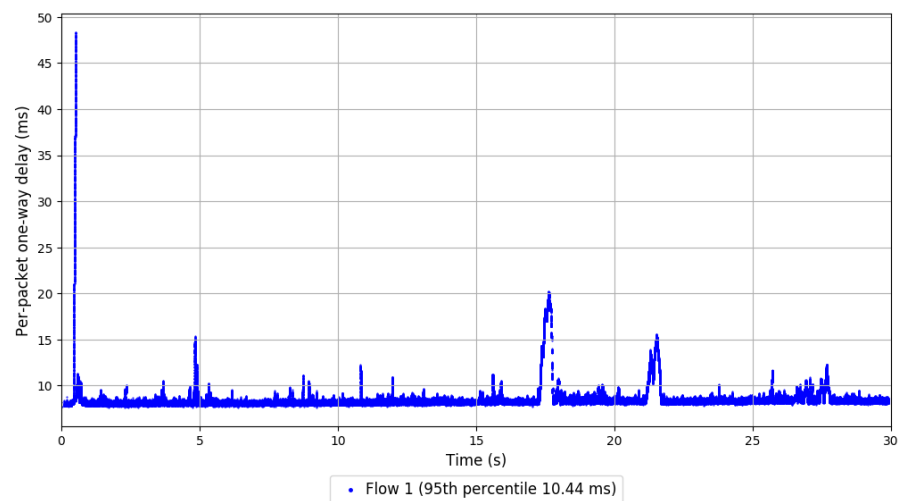
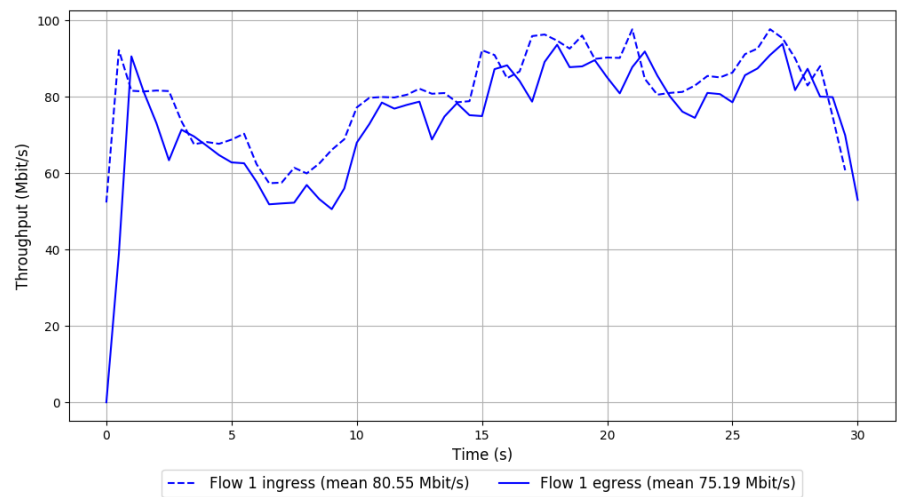


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 11:55:15
End at: 2018-07-17 11:55:45
Local clock offset: -5.432 ms
Remote clock offset: -7.418 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 6.66%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 08:53:14

End at: 2018-07-17 08:53:44

Local clock offset: 4.618 ms

Remote clock offset: -9.499 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 9.061 ms

Loss rate: 1.21%

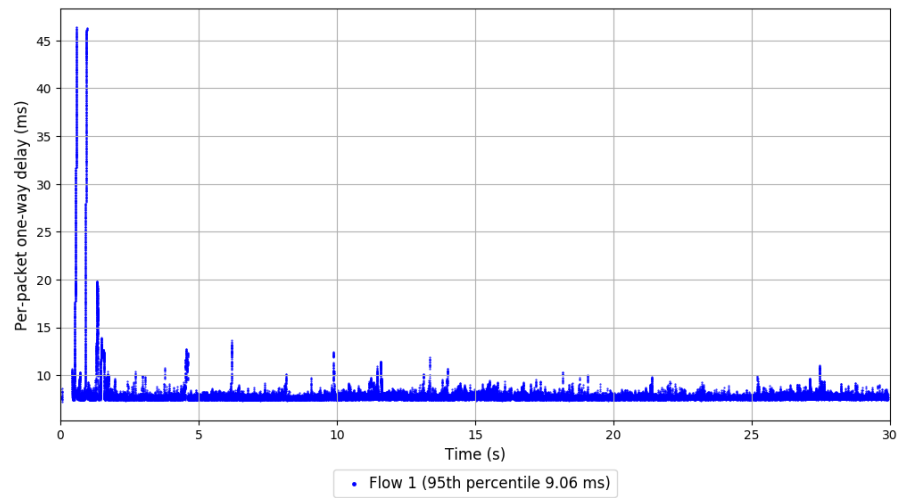
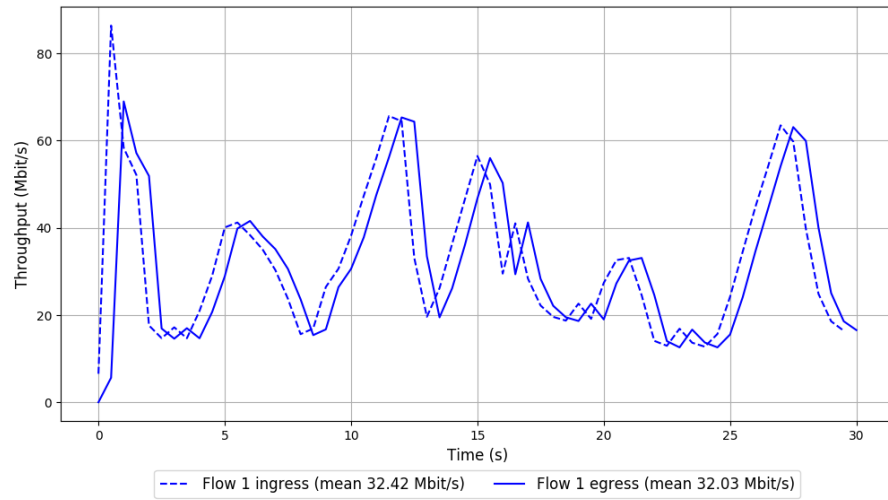
-- Flow 1:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 9.061 ms

Loss rate: 1.21%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 09:12:52

End at: 2018-07-17 09:13:22

Local clock offset: -2.491 ms

Remote clock offset: -9.913 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 8.797 ms

Loss rate: 1.28%

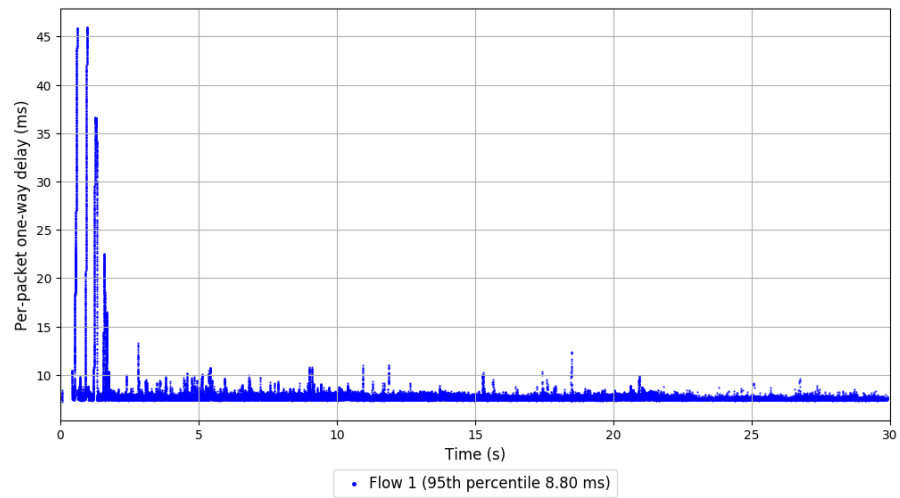
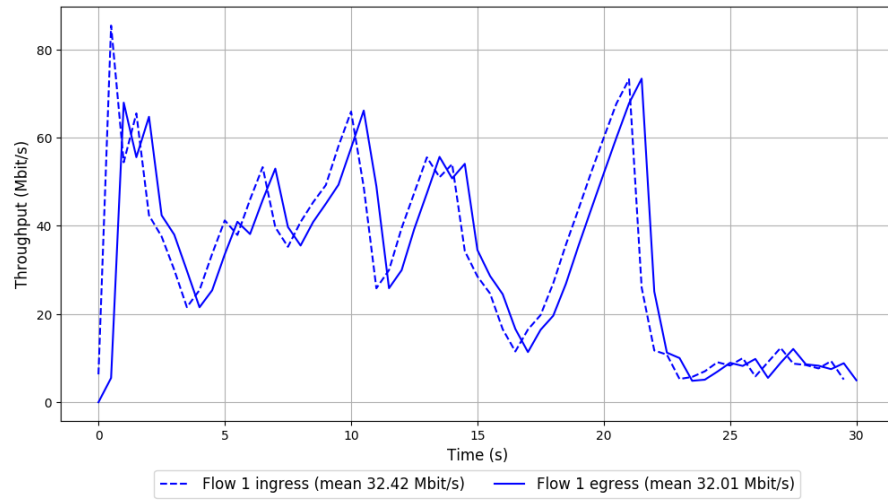
-- Flow 1:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 8.797 ms

Loss rate: 1.28%

Run 2: Report of QUIC Cubic — Data Link

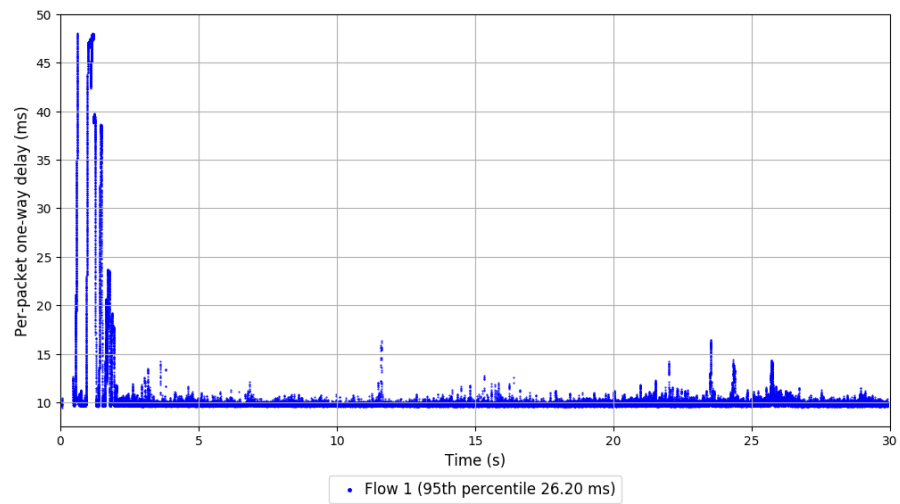
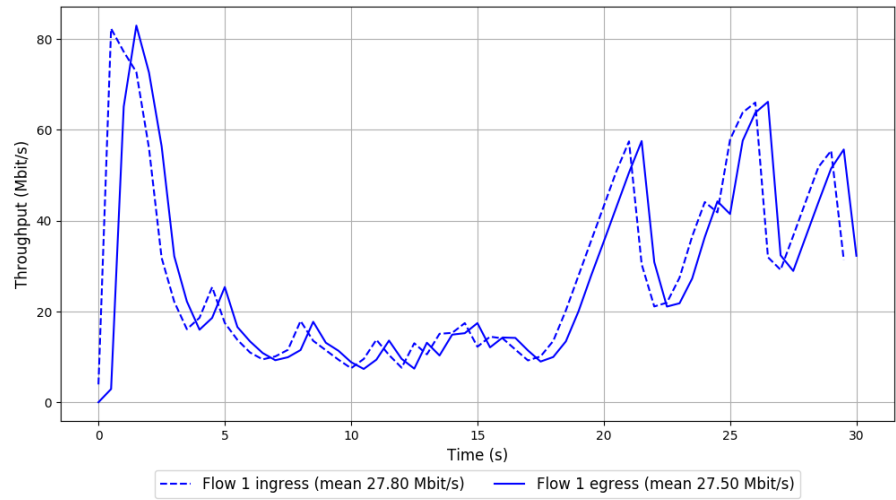


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 09:32:20
End at: 2018-07-17 09:32:50
Local clock offset: -7.191 ms
Remote clock offset: -12.012 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 26.204 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 26.204 ms
Loss rate: 1.09%

Run 3: Report of QUIC Cubic — Data Link

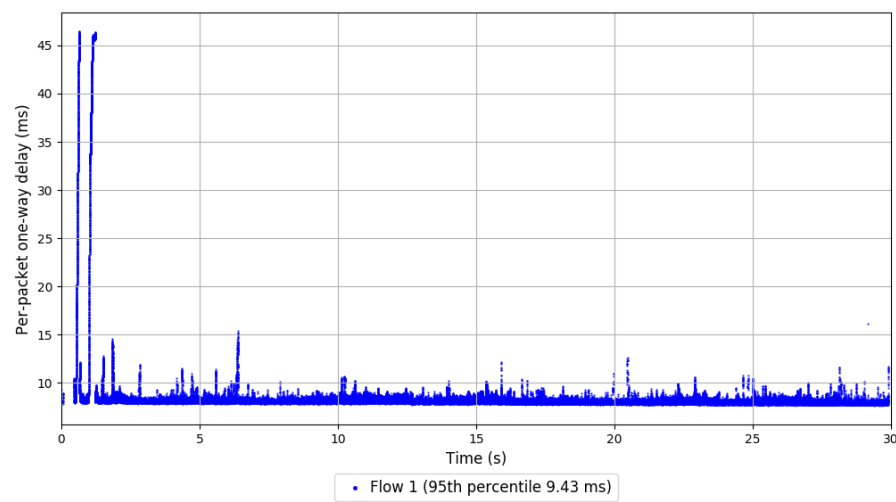
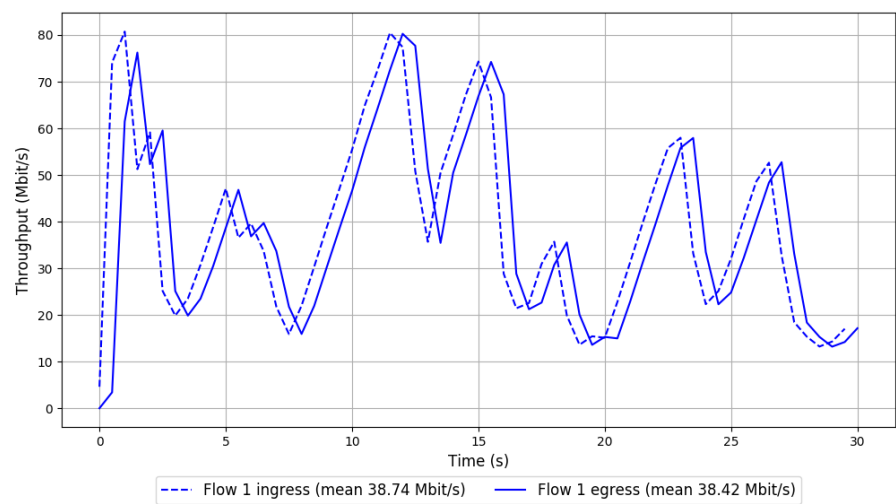


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 09:51:56
End at: 2018-07-17 09:52:26
Local clock offset: -10.085 ms
Remote clock offset: -8.511 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 9.425 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 9.425 ms
Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 10:11:35

End at: 2018-07-17 10:12:05

Local clock offset: -5.458 ms

Remote clock offset: -5.065 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 8.030 ms

Loss rate: 1.84%

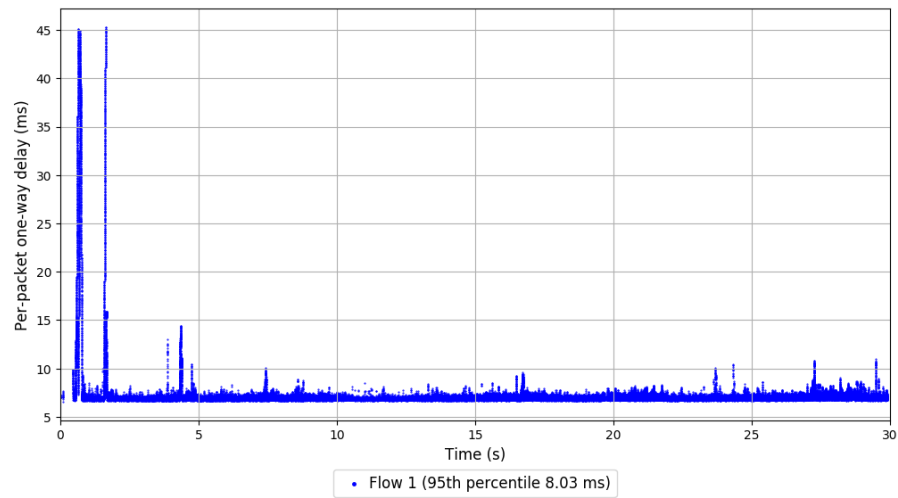
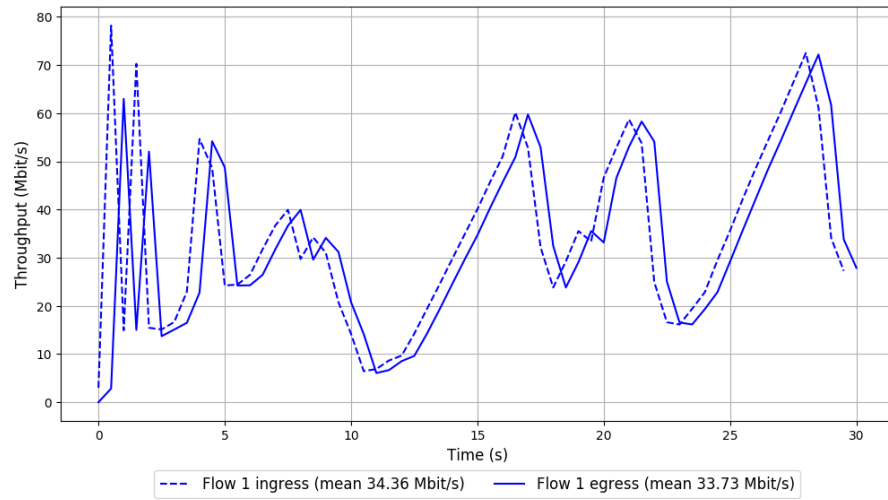
-- Flow 1:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 8.030 ms

Loss rate: 1.84%

Run 5: Report of QUIC Cubic — Data Link

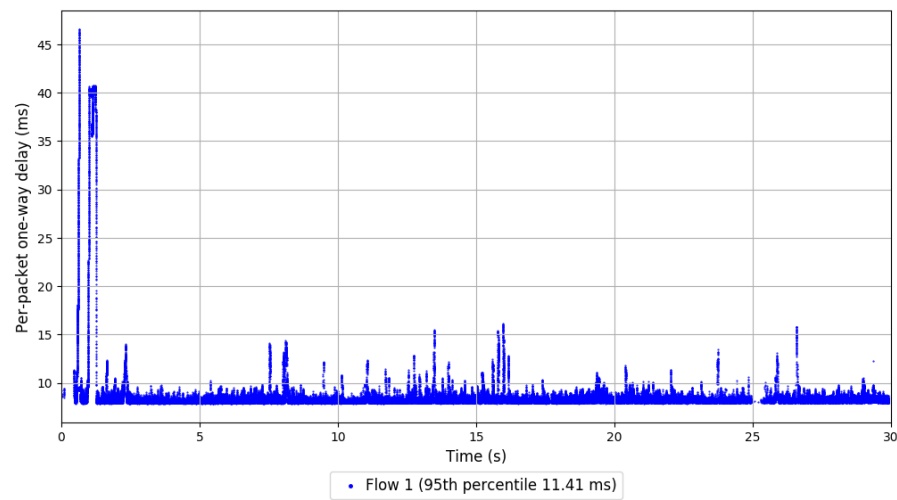
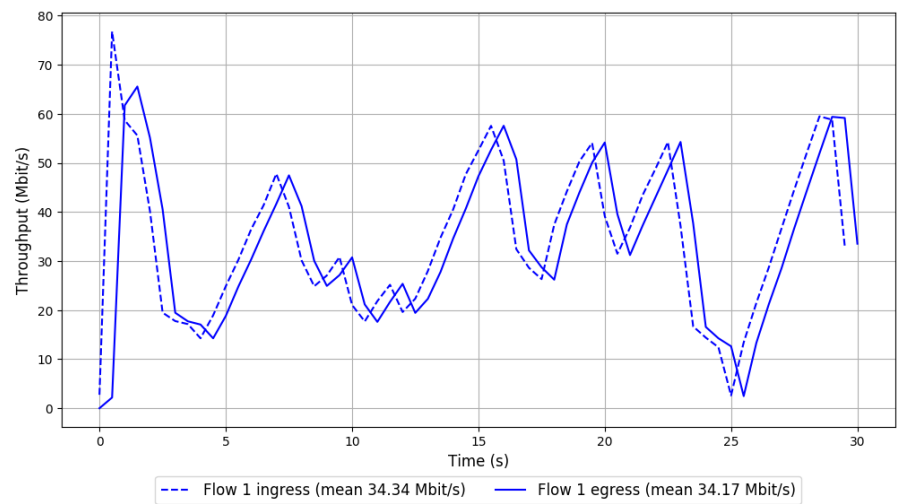


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 10:31:07
End at: 2018-07-17 10:31:37
Local clock offset: -5.947 ms
Remote clock offset: -13.993 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 11.410 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 11.410 ms
Loss rate: 0.50%

Run 6: Report of QUIC Cubic — Data Link

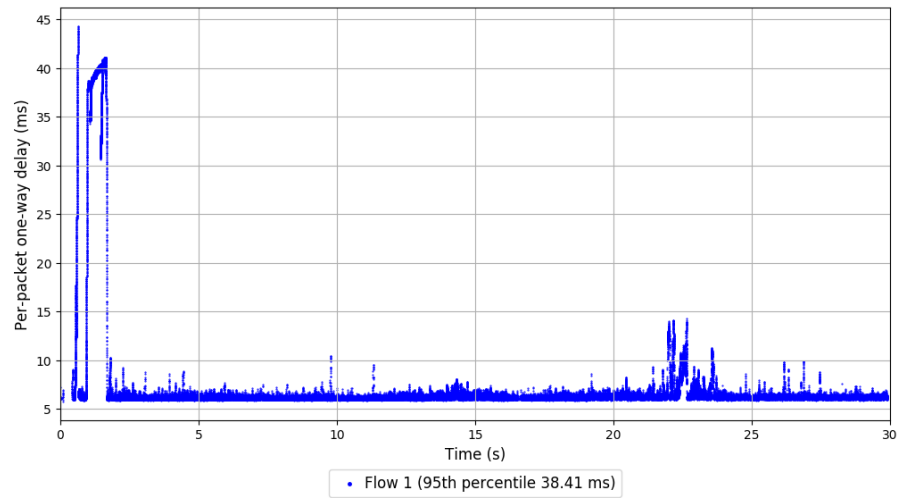
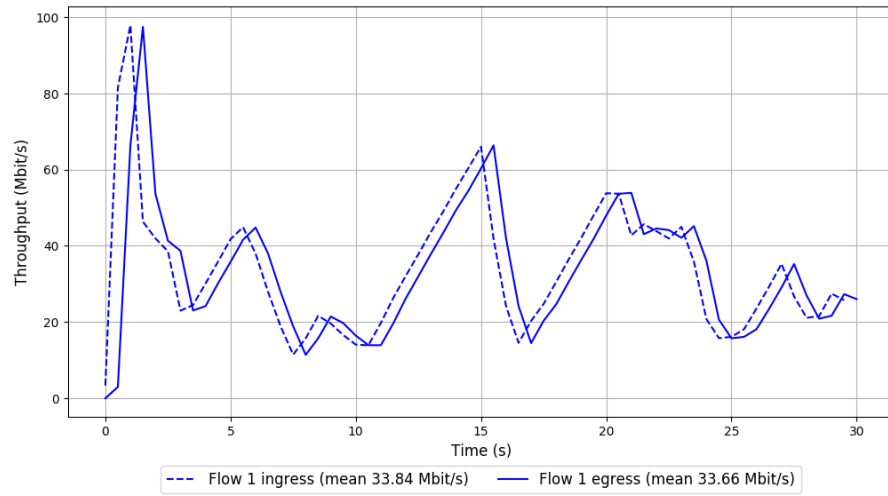


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 10:51:02
End at: 2018-07-17 10:51:32
Local clock offset: -7.487 ms
Remote clock offset: -19.515 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 38.410 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 38.410 ms
Loss rate: 0.54%

Run 7: Report of QUIC Cubic — Data Link

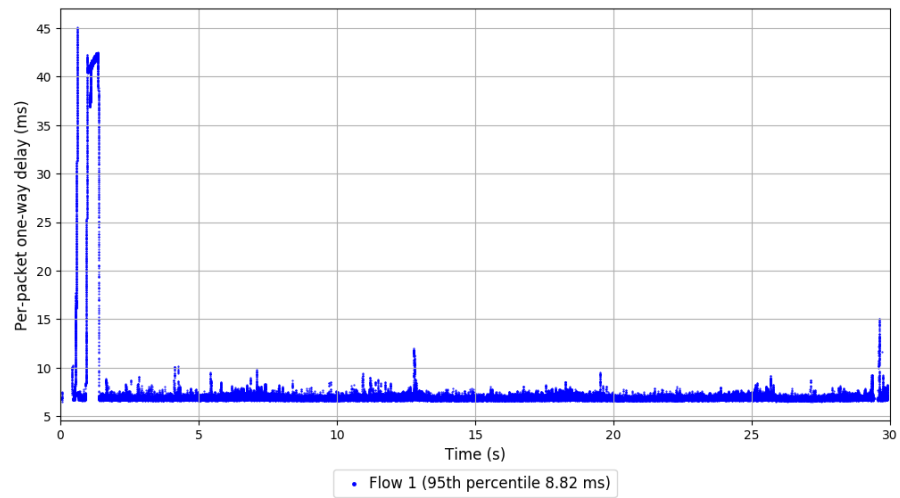
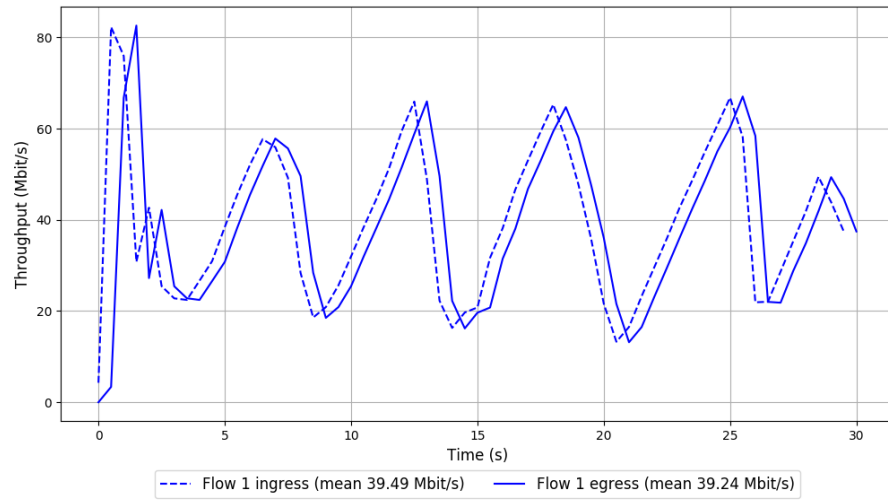


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 11:10:43
End at: 2018-07-17 11:11:13
Local clock offset: -8.88 ms
Remote clock offset: -13.235 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 8.819 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 8.819 ms
Loss rate: 0.64%

Run 8: Report of QUIC Cubic — Data Link

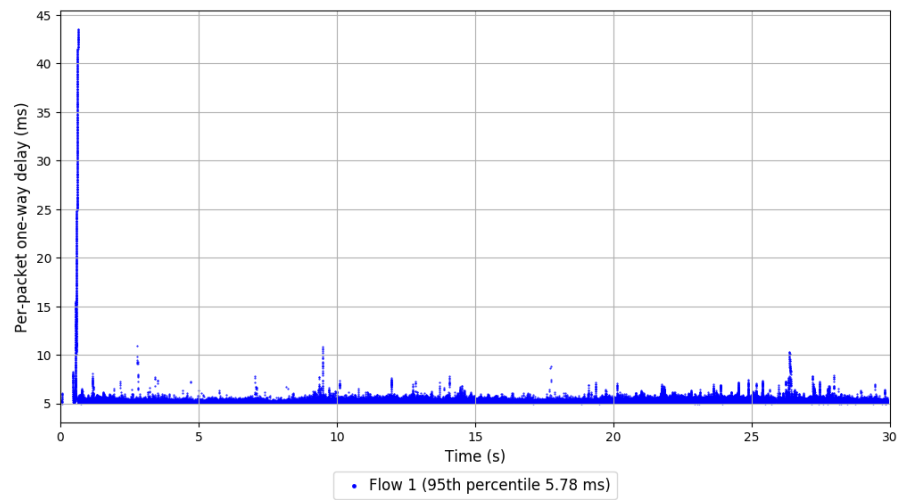
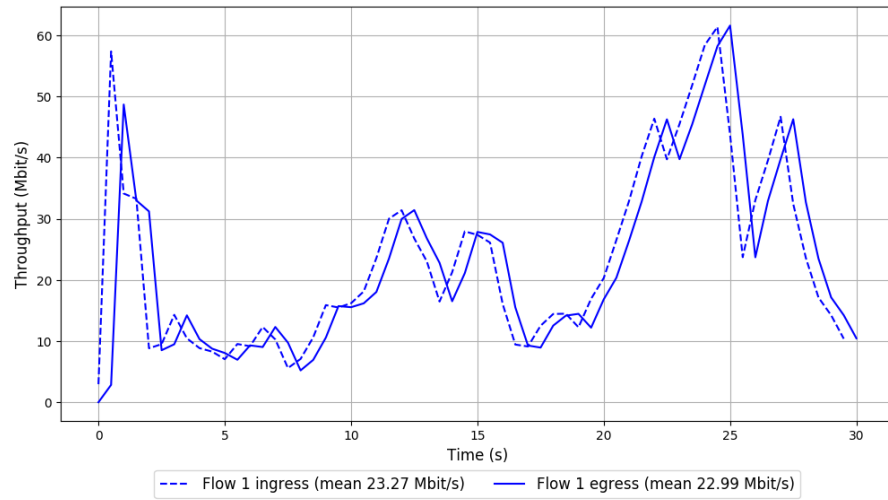


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 11:30:51
End at: 2018-07-17 11:31:21
Local clock offset: -5.804 ms
Remote clock offset: -10.585 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 5.776 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 5.776 ms
Loss rate: 1.22%

Run 9: Report of QUIC Cubic — Data Link

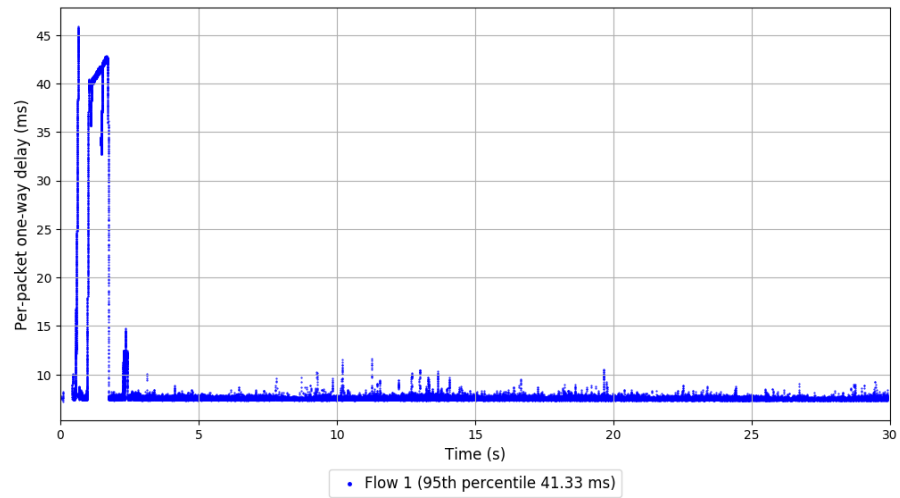
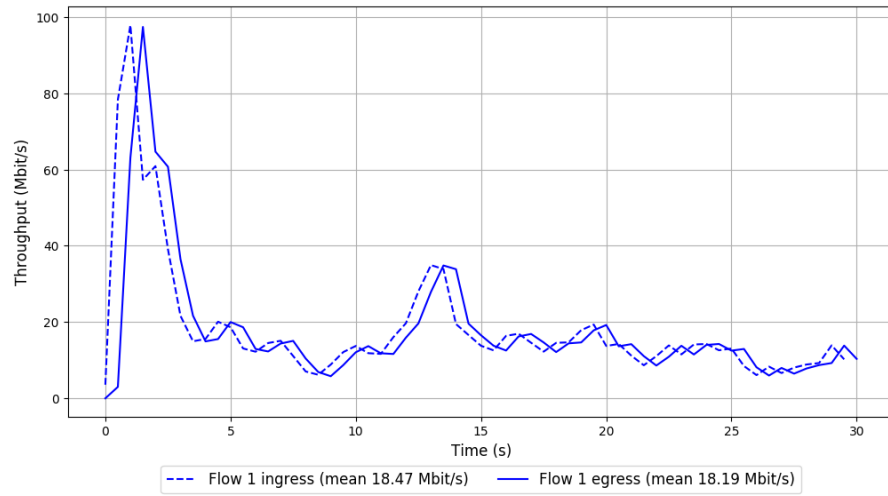


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 11:50:49
End at: 2018-07-17 11:51:19
Local clock offset: -5.267 ms
Remote clock offset: -7.822 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 41.327 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 41.327 ms
Loss rate: 1.50%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-07-17 09:04:54

End at: 2018-07-17 09:05:24

Local clock offset: 0.25 ms

Remote clock offset: -9.09 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.278 ms

Loss rate: 0.00%

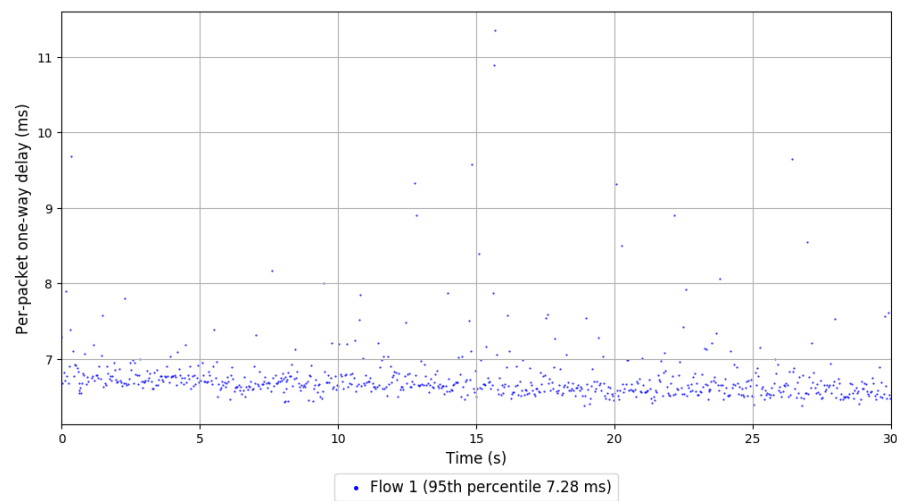
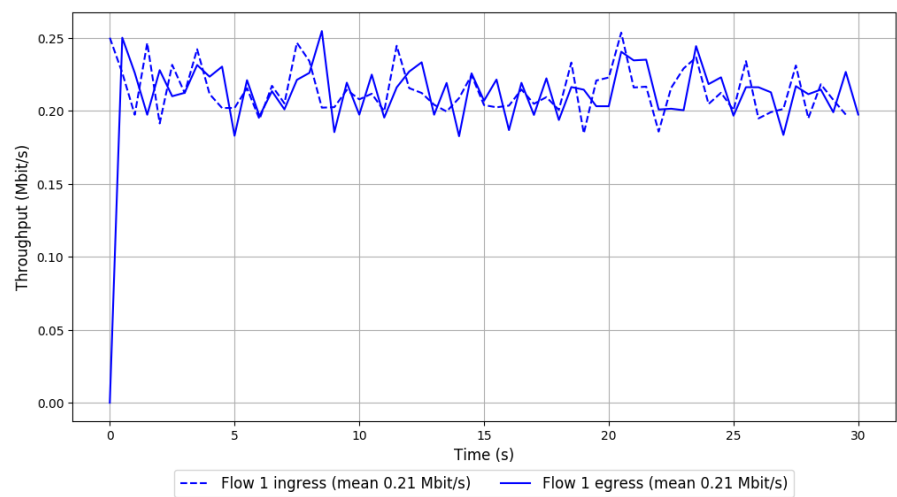
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.278 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

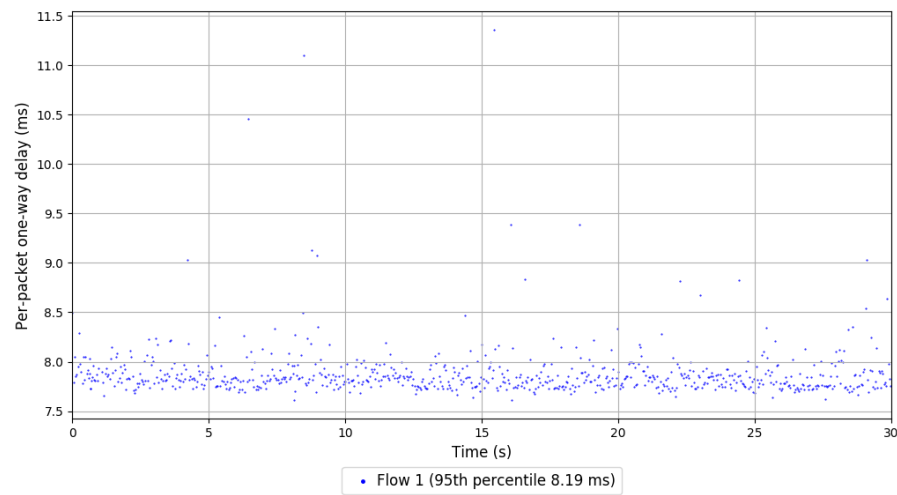
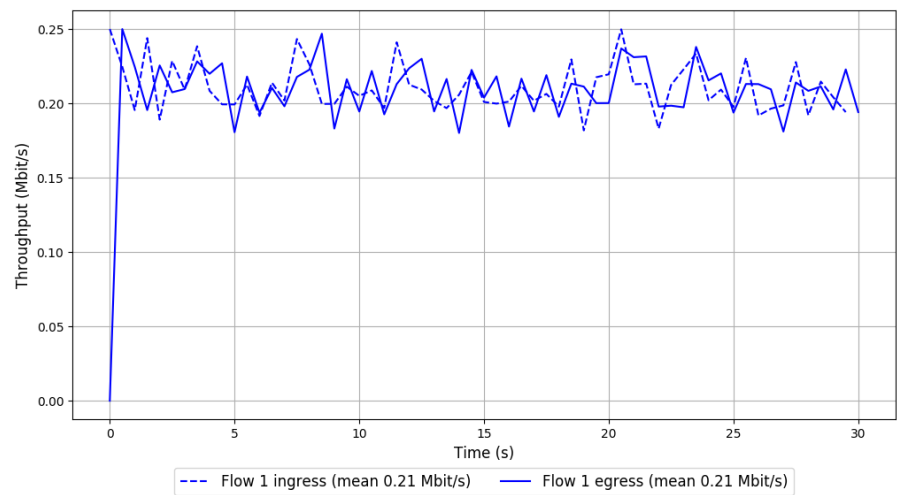


Run 2: Statistics of SCReAM

Start at: 2018-07-17 09:24:25
End at: 2018-07-17 09:24:55
Local clock offset: -4.764 ms
Remote clock offset: -12.812 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.189 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

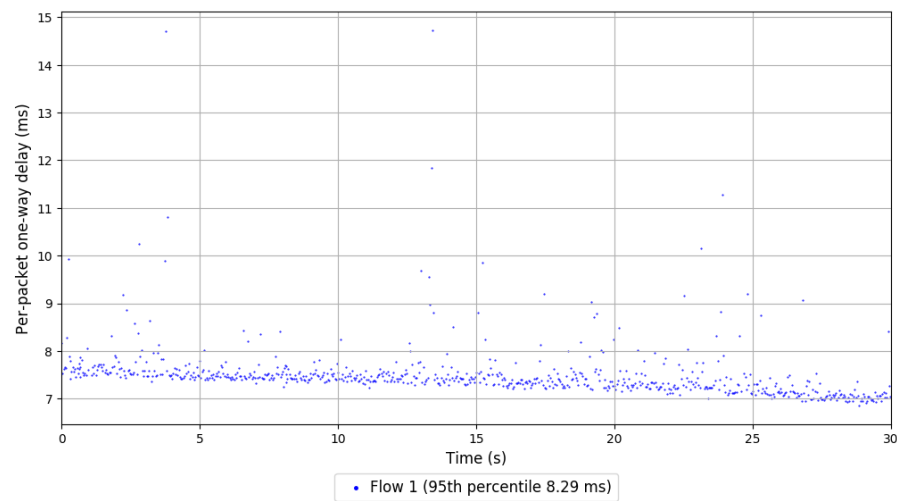
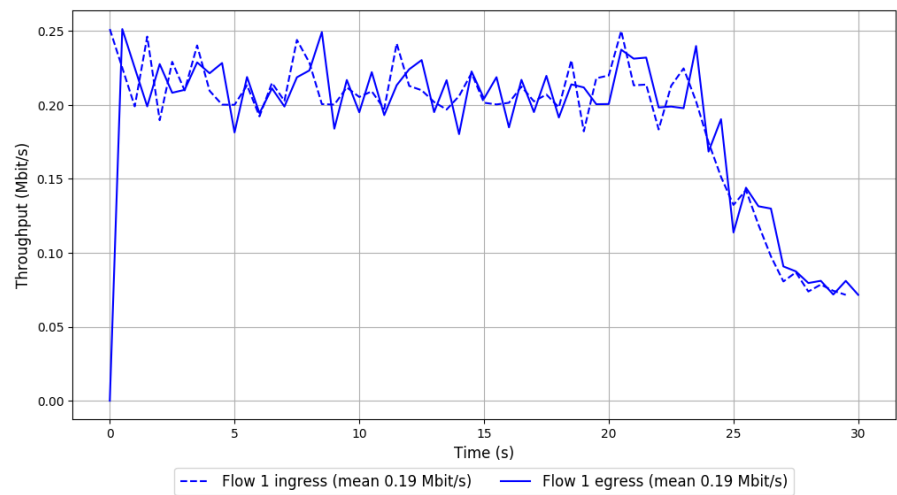


Run 3: Statistics of SCReAM

Start at: 2018-07-17 09:43:56
End at: 2018-07-17 09:44:26
Local clock offset: -7.071 ms
Remote clock offset: -12.579 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 8.287 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 8.287 ms
Loss rate: 0.39%

Run 3: Report of SReAM — Data Link

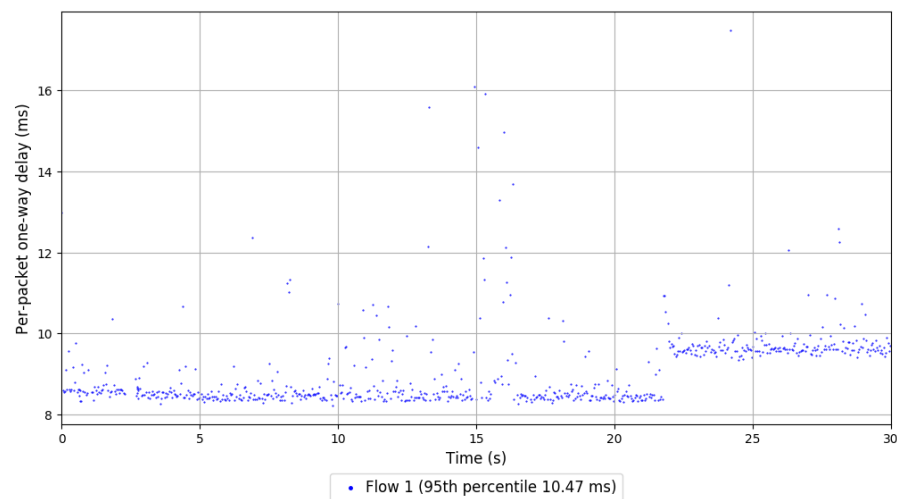
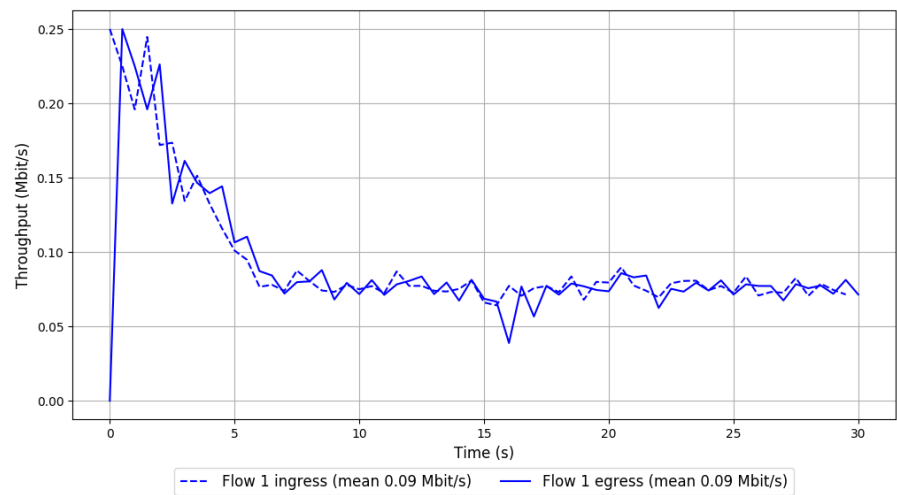


Run 4: Statistics of SCReAM

Start at: 2018-07-17 10:03:39
End at: 2018-07-17 10:04:09
Local clock offset: -7.514 ms
Remote clock offset: -5.852 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.472 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.472 ms
Loss rate: 2.13%

Run 4: Report of SReAM — Data Link

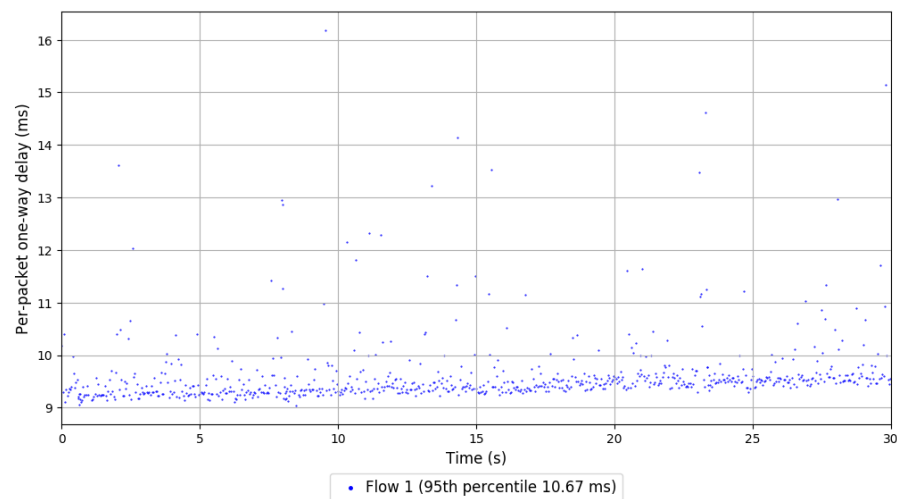
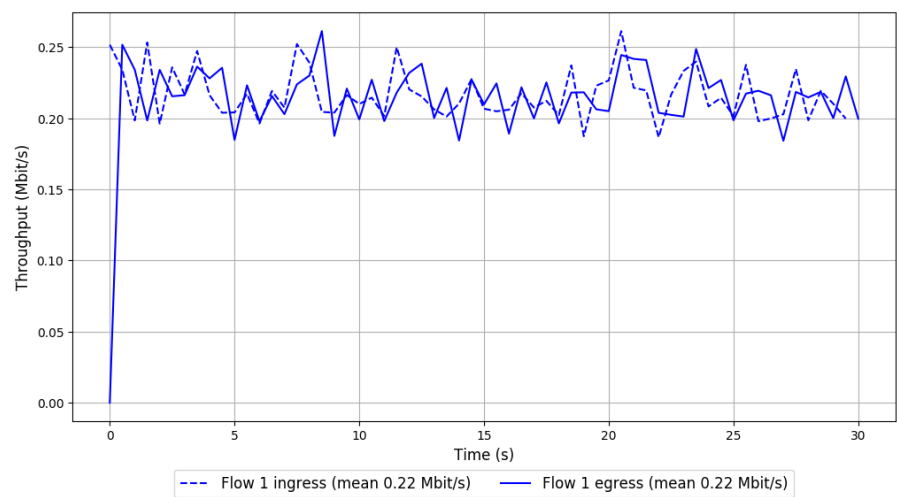


Run 5: Statistics of SCReAM

Start at: 2018-07-17 10:23:14
End at: 2018-07-17 10:23:44
Local clock offset: -5.775 ms
Remote clock offset: -10.136 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.666 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

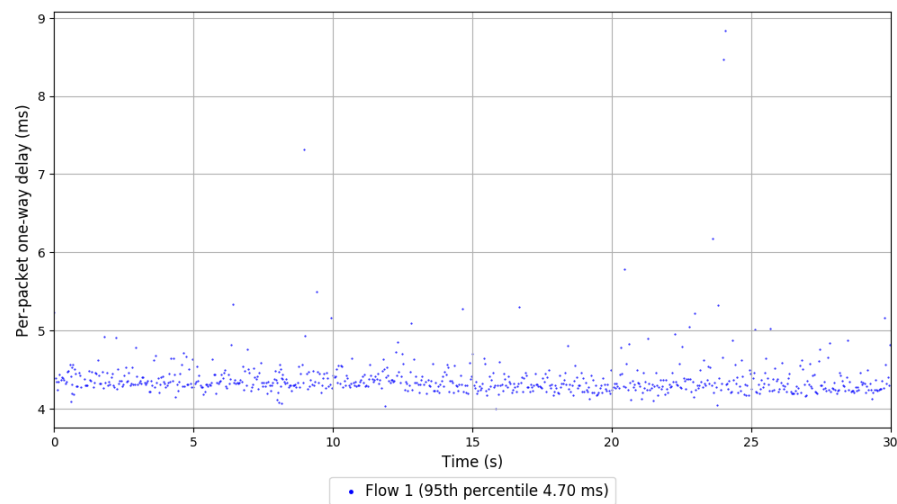
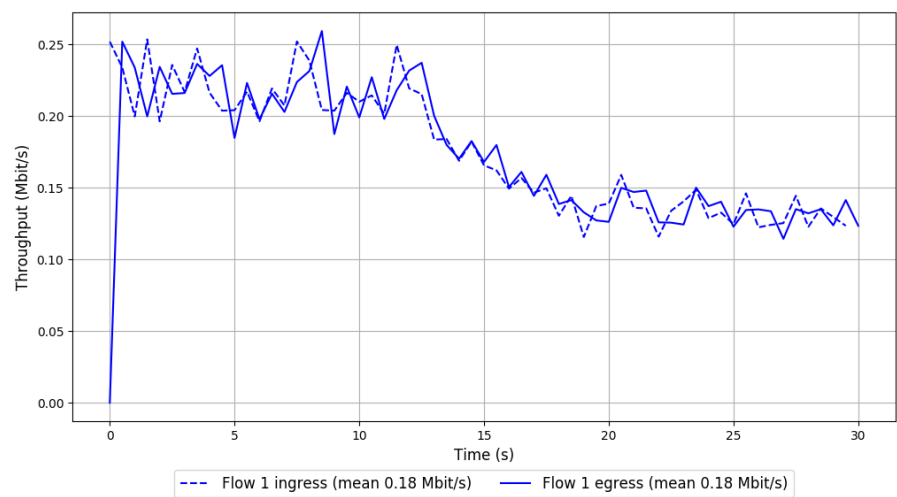


Run 6: Statistics of SCReAM

Start at: 2018-07-17 10:42:57
End at: 2018-07-17 10:43:27
Local clock offset: -7.405 ms
Remote clock offset: -18.972 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 4.700 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 4.700 ms
Loss rate: 0.18%

Run 6: Report of SReAM — Data Link

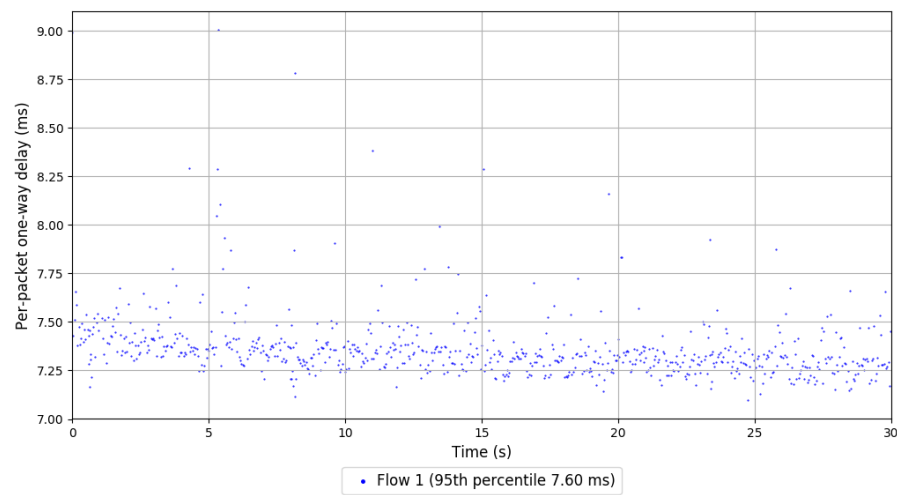
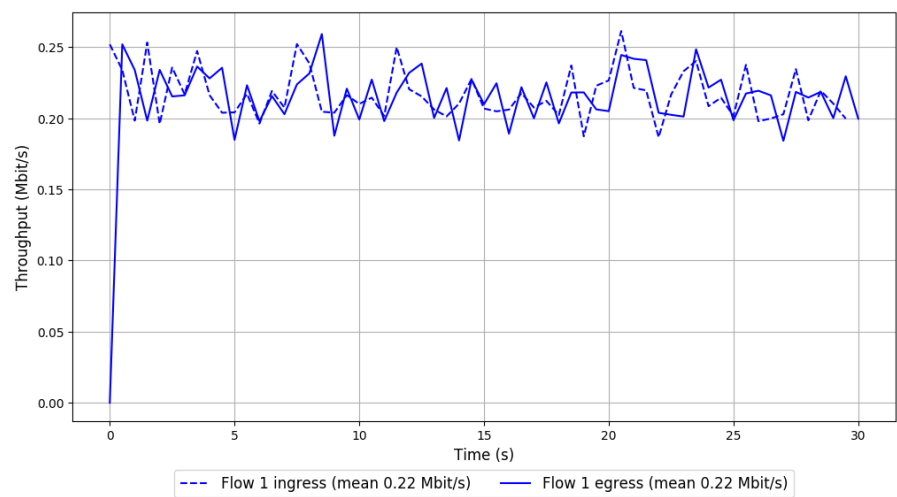


Run 7: Statistics of SCReAM

Start at: 2018-07-17 11:02:37
End at: 2018-07-17 11:03:07
Local clock offset: -8.96 ms
Remote clock offset: -15.37 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.604 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

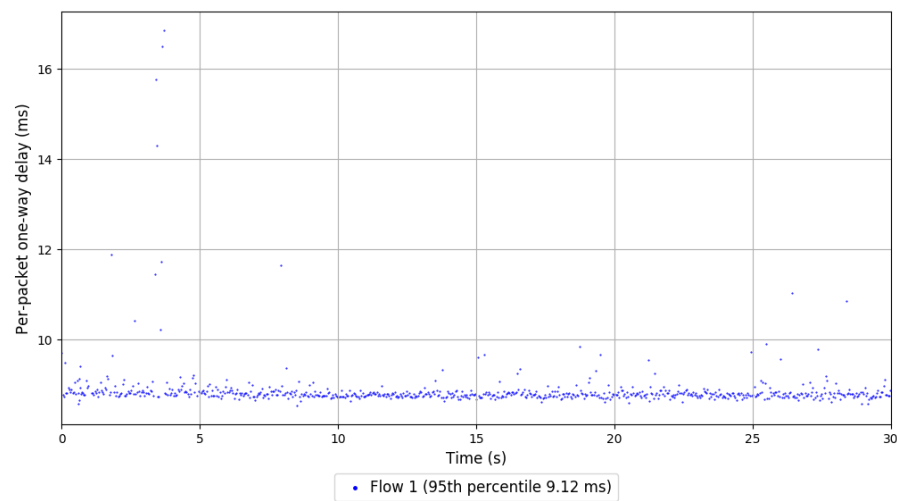
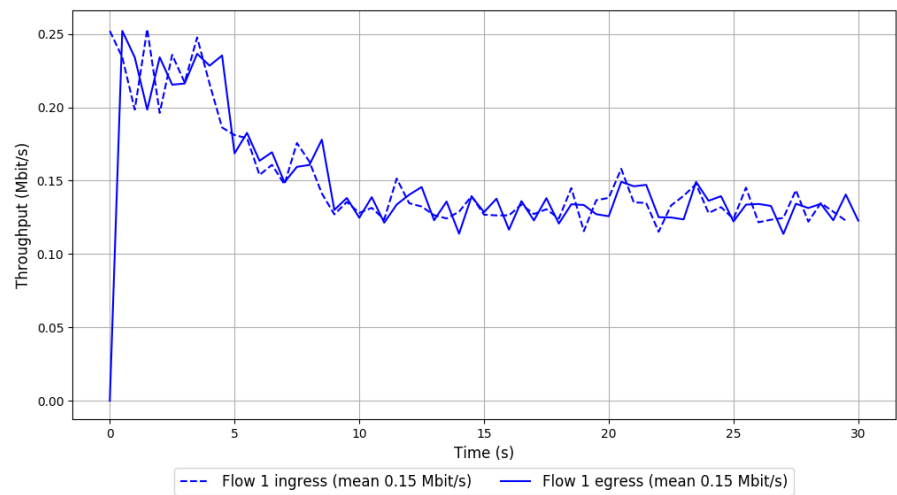


Run 8: Statistics of SCReAM

Start at: 2018-07-17 11:22:32
End at: 2018-07-17 11:23:02
Local clock offset: -8.271 ms
Remote clock offset: -11.738 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 9.118 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 9.118 ms
Loss rate: 0.18%

Run 8: Report of SReAM — Data Link

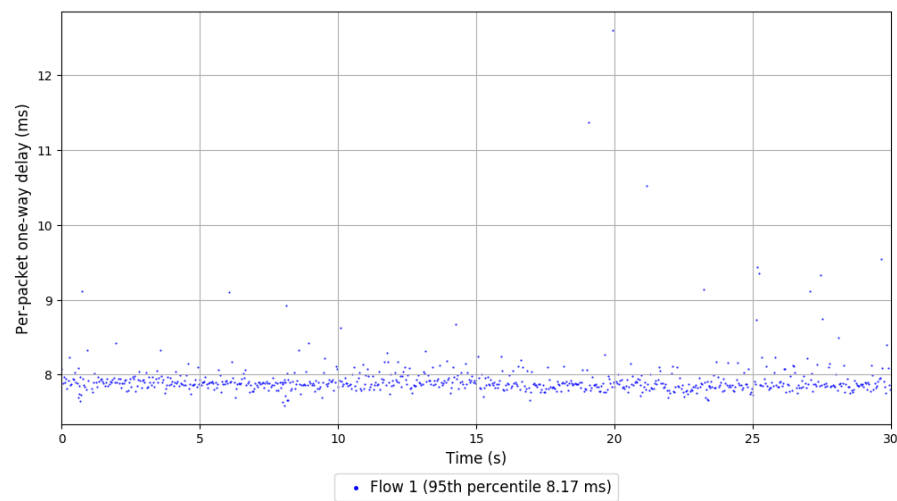
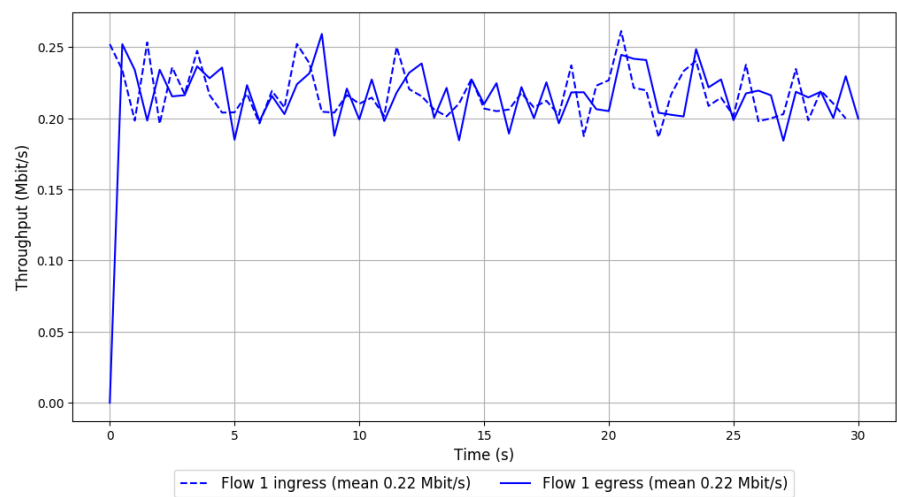


Run 9: Statistics of SCReAM

Start at: 2018-07-17 11:42:48
End at: 2018-07-17 11:43:18
Local clock offset: -6.059 ms
Remote clock offset: -8.886 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.172 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-17 12:02:46

End at: 2018-07-17 12:03:16

Local clock offset: -1.66 ms

Remote clock offset: -5.937 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 8.327 ms

Loss rate: 0.40%

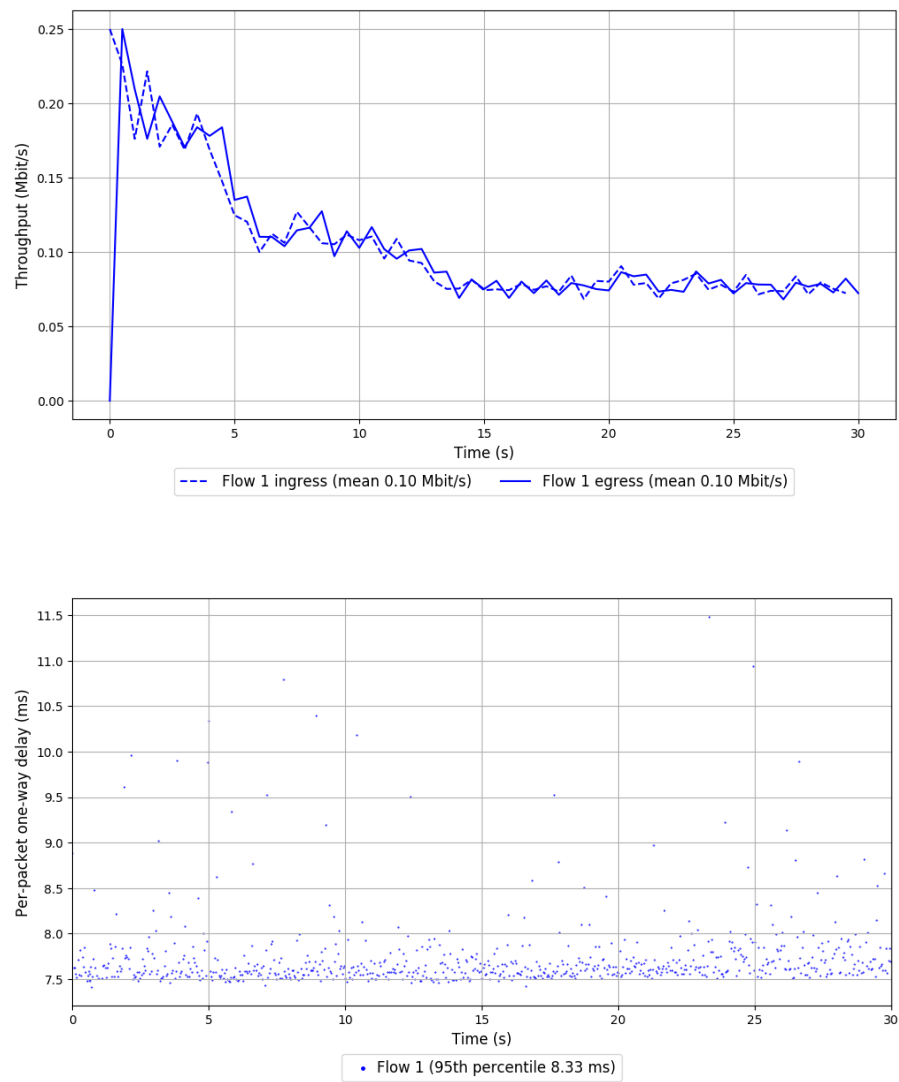
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 8.327 ms

Loss rate: 0.40%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-17 09:00:07

End at: 2018-07-17 09:00:37

Local clock offset: 1.268 ms

Remote clock offset: -9.454 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 15.330 ms

Loss rate: 1.13%

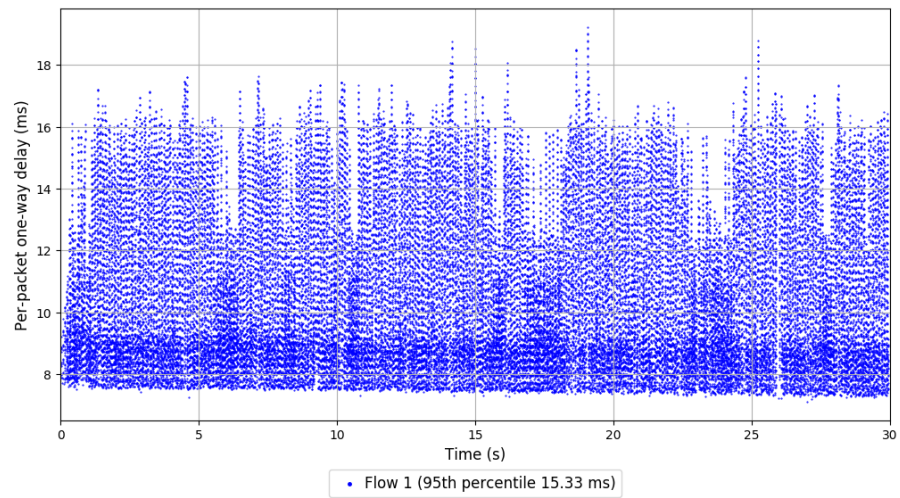
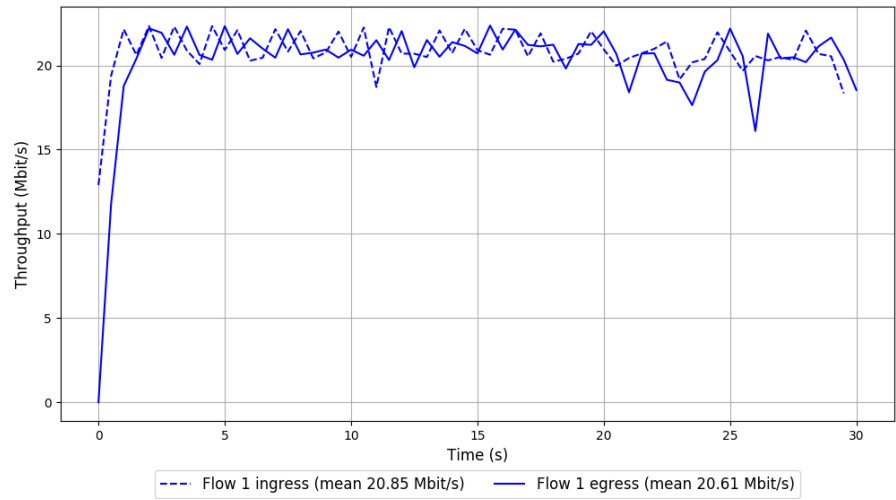
-- Flow 1:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 15.330 ms

Loss rate: 1.13%

Run 1: Report of Sprout — Data Link

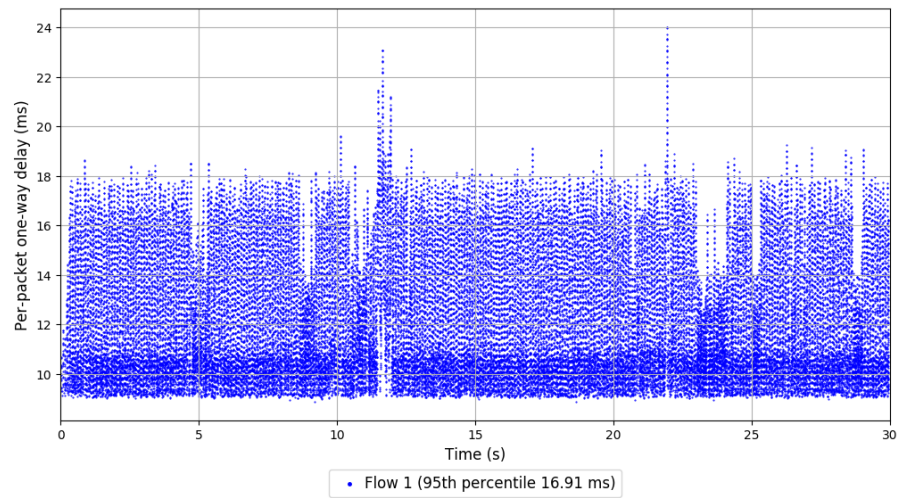
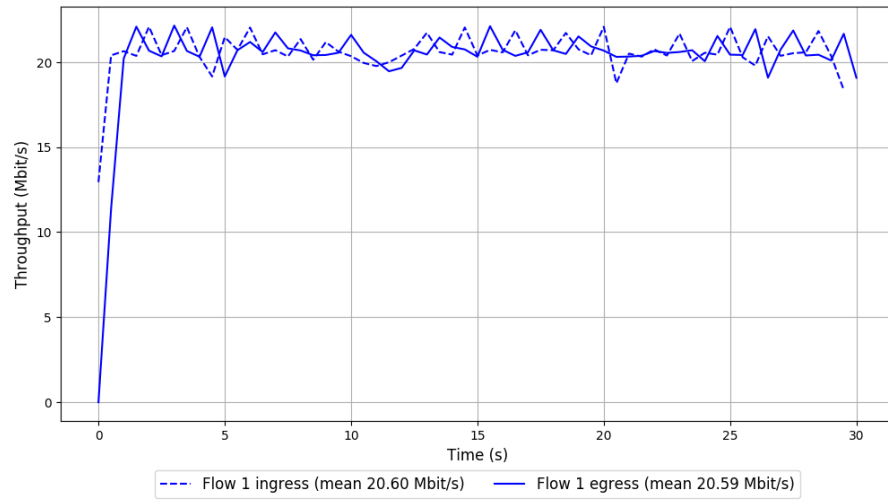


Run 2: Statistics of Sprout

Start at: 2018-07-17 09:19:44
End at: 2018-07-17 09:20:14
Local clock offset: -5.386 ms
Remote clock offset: -10.731 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 16.912 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 16.912 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

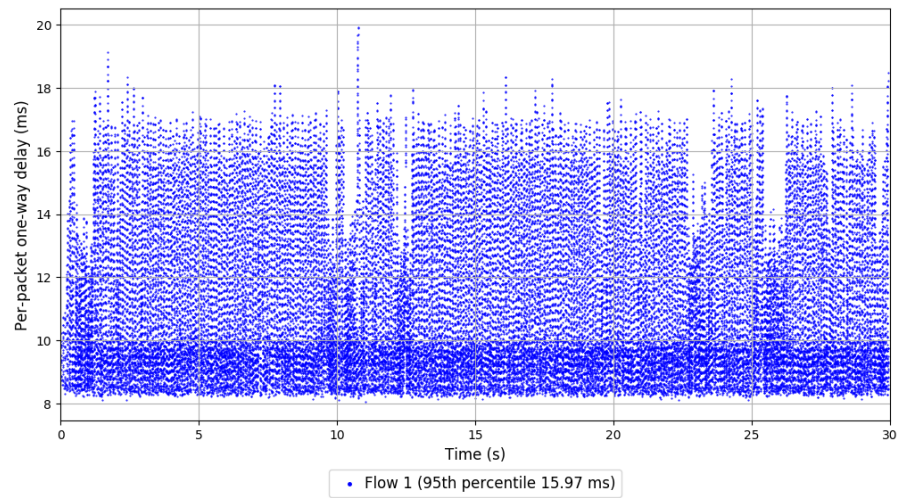
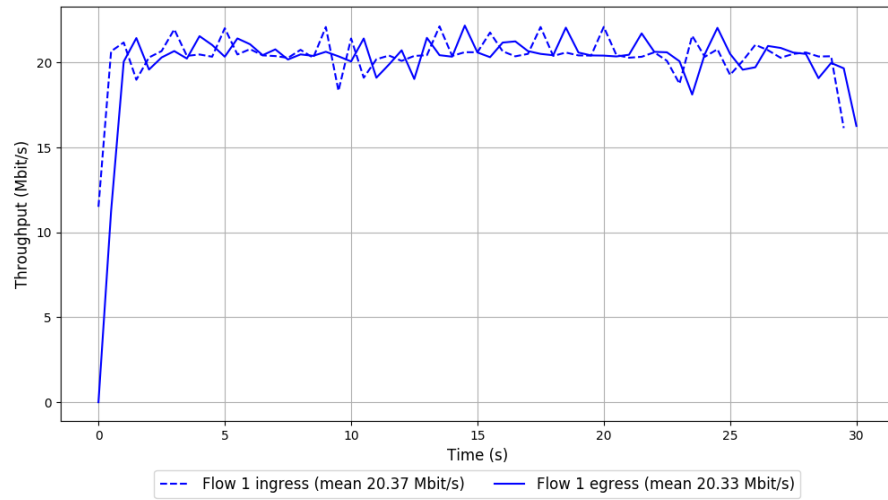


Run 3: Statistics of Sprout

Start at: 2018-07-17 09:39:15
End at: 2018-07-17 09:39:45
Local clock offset: -7.756 ms
Remote clock offset: -12.289 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 15.969 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 15.969 ms
Loss rate: 0.20%

Run 3: Report of Sprout — Data Link

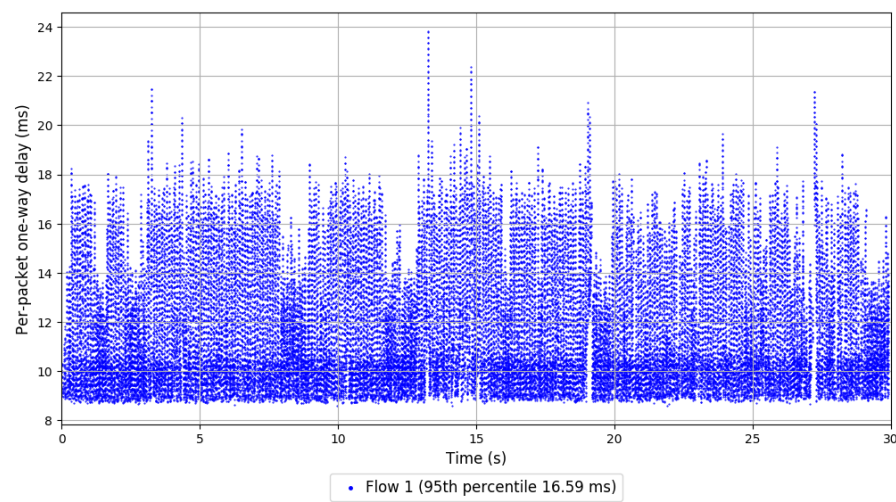
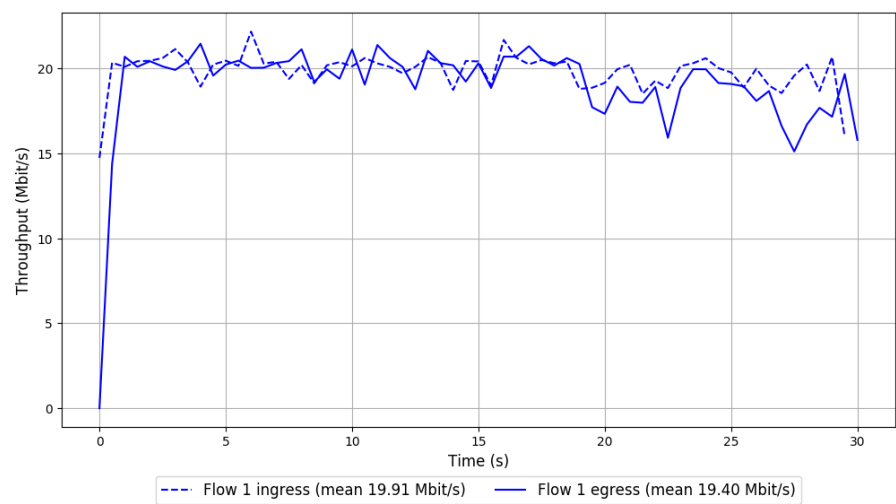


Run 4: Statistics of Sprout

Start at: 2018-07-17 09:58:57
End at: 2018-07-17 09:59:27
Local clock offset: -7.915 ms
Remote clock offset: -5.282 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 16.595 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 16.595 ms
Loss rate: 2.57%

Run 4: Report of Sprout — Data Link

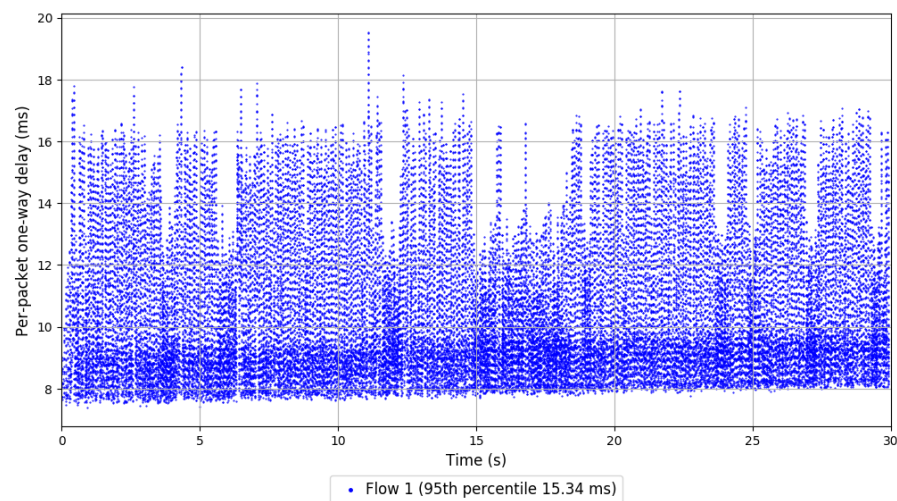
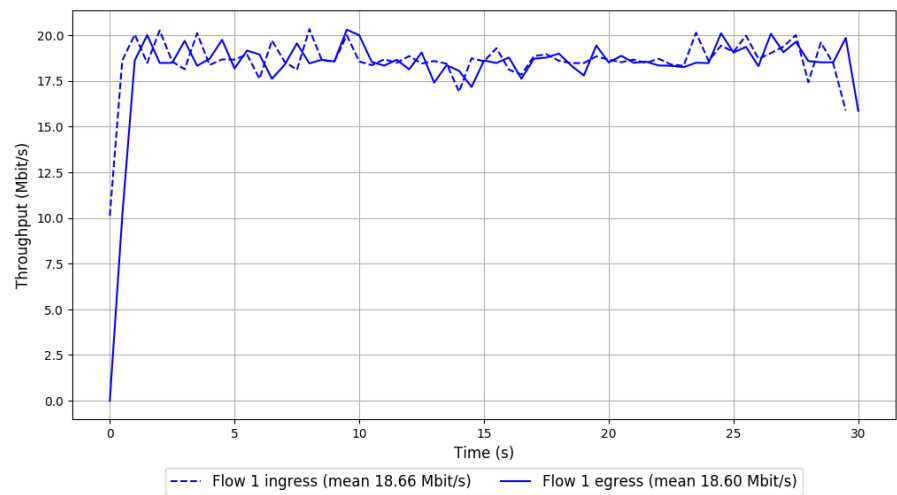


Run 5: Statistics of Sprout

Start at: 2018-07-17 10:18:39
End at: 2018-07-17 10:19:09
Local clock offset: -5.821 ms
Remote clock offset: -5.979 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 15.335 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 15.335 ms
Loss rate: 0.32%

Run 5: Report of Sprout — Data Link

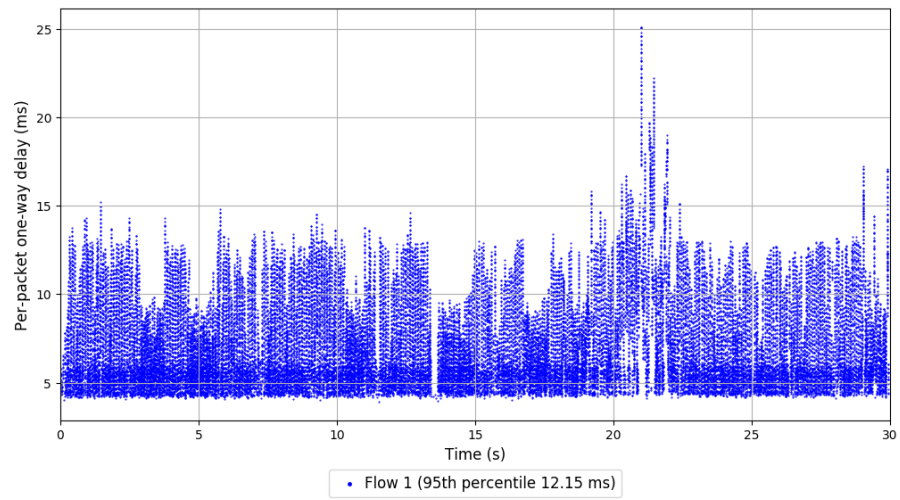
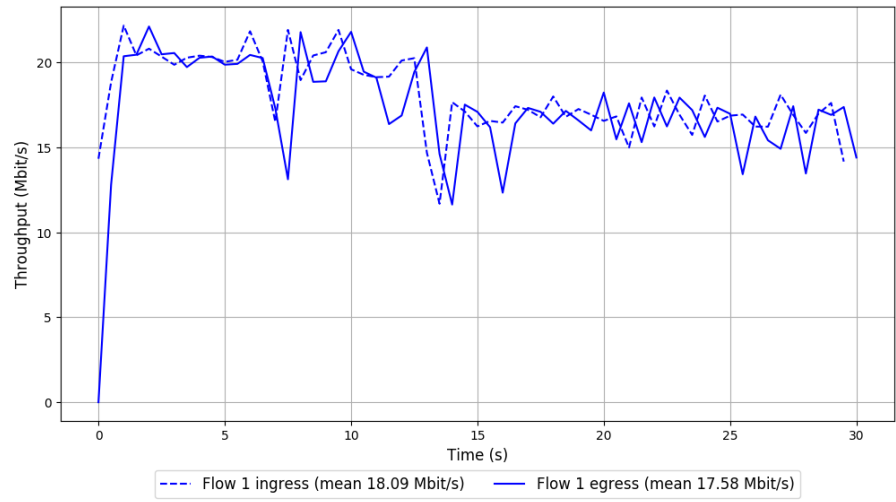


Run 6: Statistics of Sprout

Start at: 2018-07-17 10:37:57
End at: 2018-07-17 10:38:27
Local clock offset: -7.303 ms
Remote clock offset: -18.421 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 12.150 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 12.150 ms
Loss rate: 2.84%

Run 6: Report of Sprout — Data Link

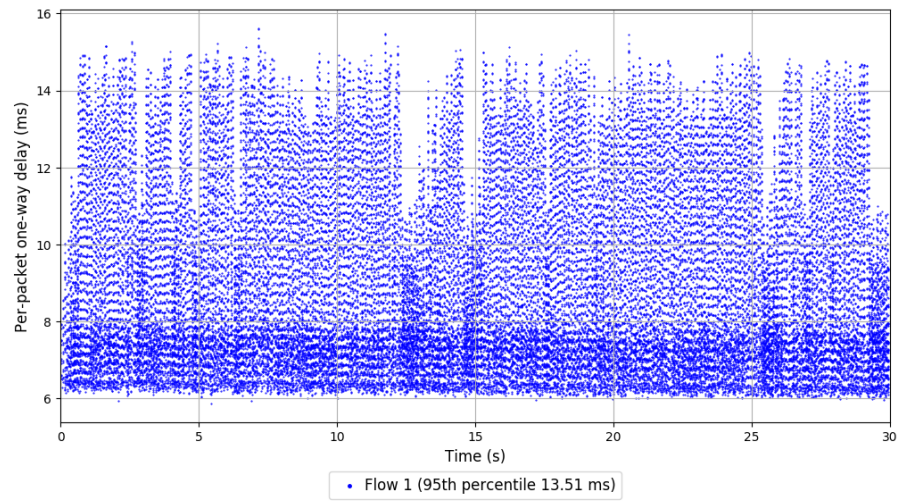
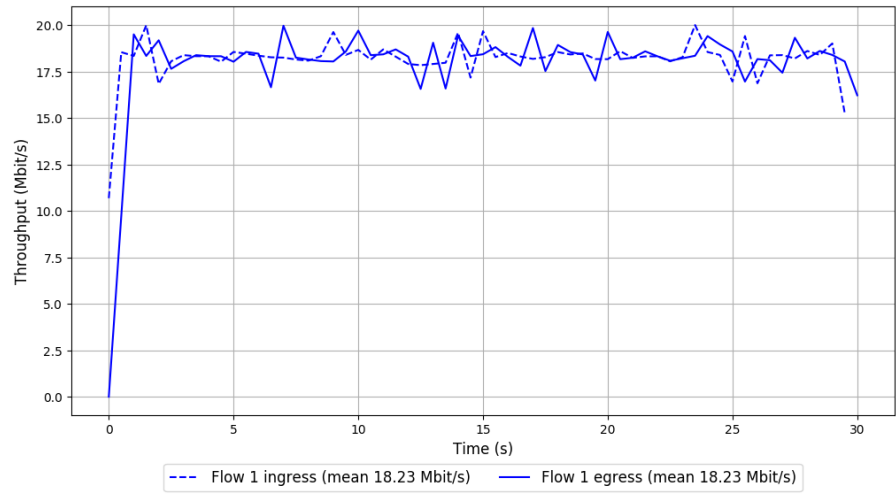


Run 7: Statistics of Sprout

Start at: 2018-07-17 10:57:58
End at: 2018-07-17 10:58:28
Local clock offset: -7.933 ms
Remote clock offset: -16.26 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 13.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 13.514 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

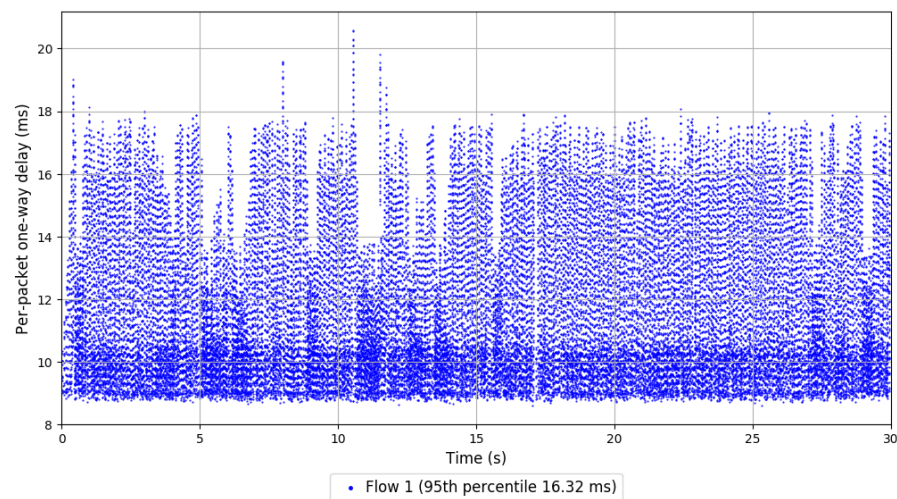
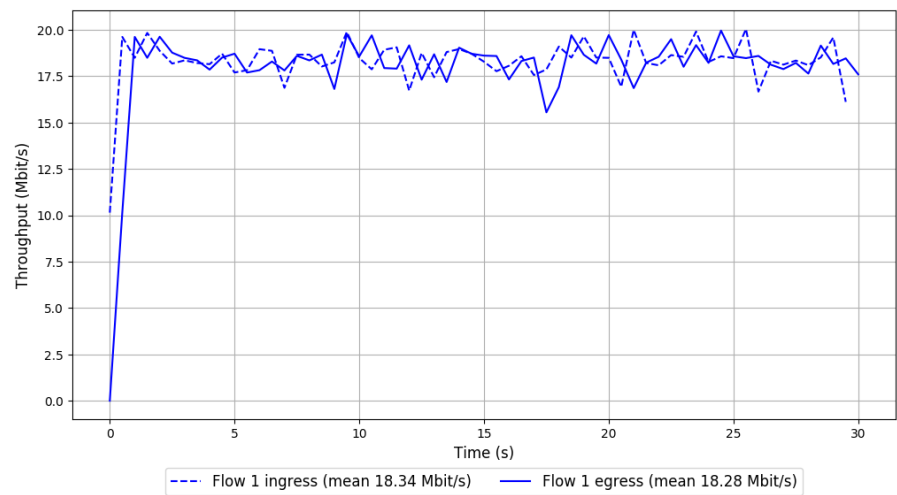


Run 8: Statistics of Sprout

Start at: 2018-07-17 11:17:46
End at: 2018-07-17 11:18:16
Local clock offset: -8.078 ms
Remote clock offset: -11.657 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 16.318 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 16.318 ms
Loss rate: 0.31%

Run 8: Report of Sprout — Data Link

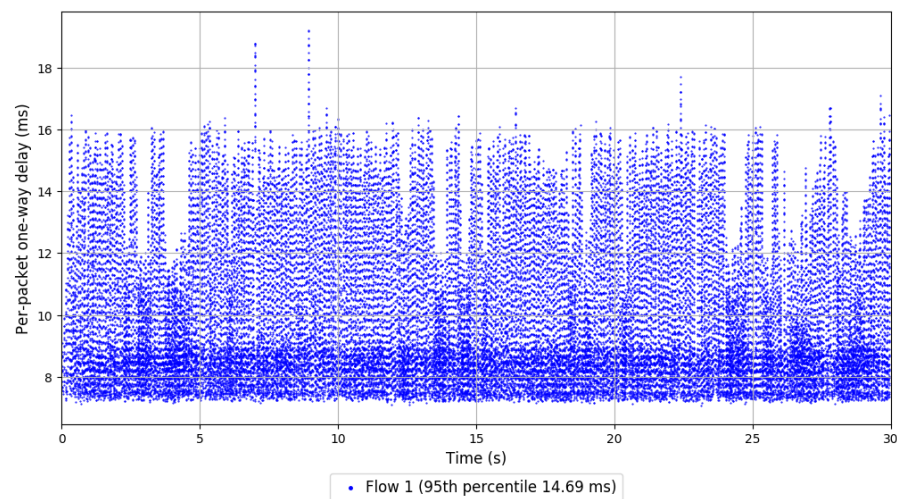
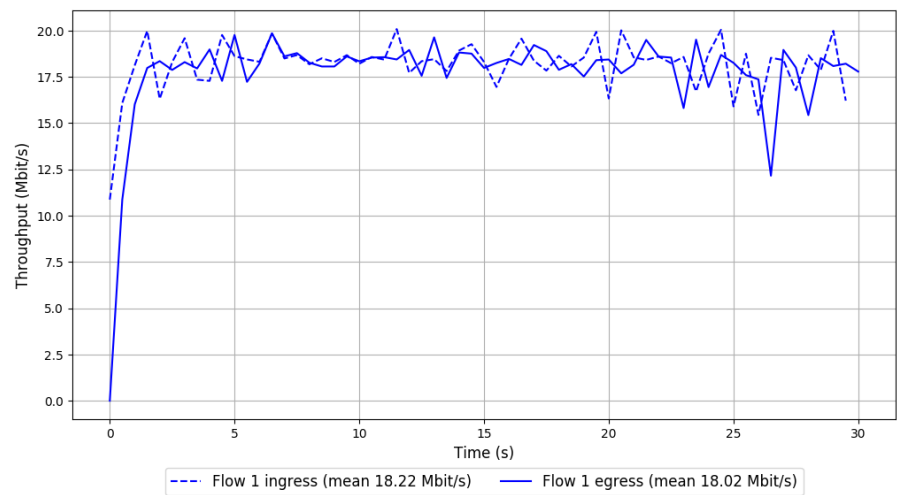


Run 9: Statistics of Sprout

Start at: 2018-07-17 11:37:50
End at: 2018-07-17 11:38:20
Local clock offset: -6.048 ms
Remote clock offset: -9.727 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 14.690 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 14.690 ms
Loss rate: 1.08%

Run 9: Report of Sprout — Data Link

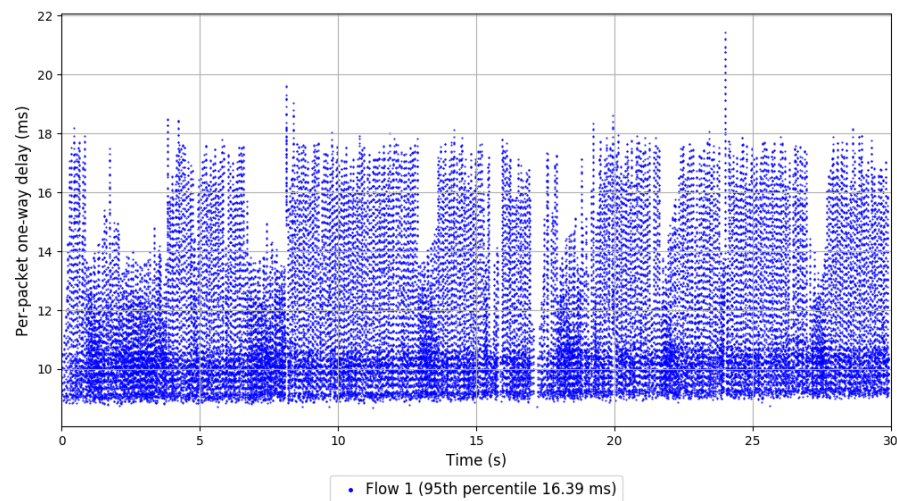
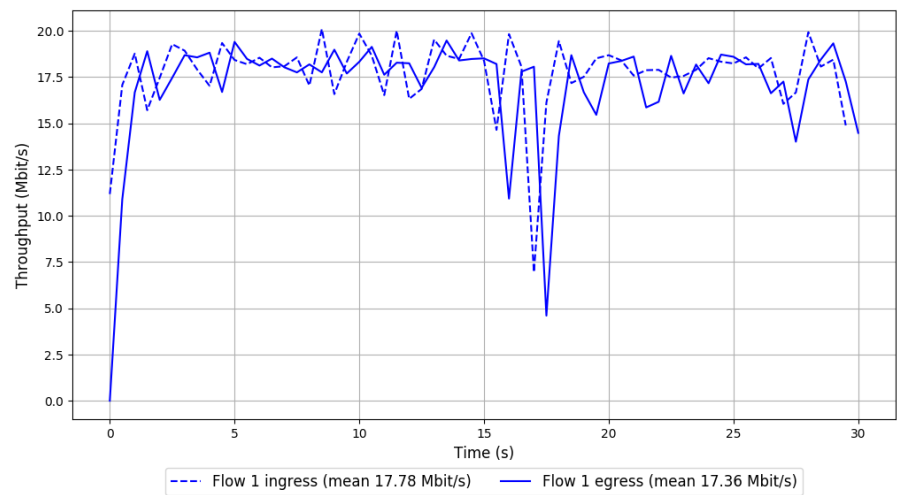


Run 10: Statistics of Sprout

Start at: 2018-07-17 11:57:55
End at: 2018-07-17 11:58:25
Local clock offset: -3.281 ms
Remote clock offset: -5.641 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 16.394 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 16.394 ms
Loss rate: 2.37%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 08:51:57

End at: 2018-07-17 08:52:27

Local clock offset: 4.647 ms

Remote clock offset: -9.366 ms

Below is generated by plot.py at 2018-07-17 12:26:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 9.820 ms

Loss rate: 4.69%

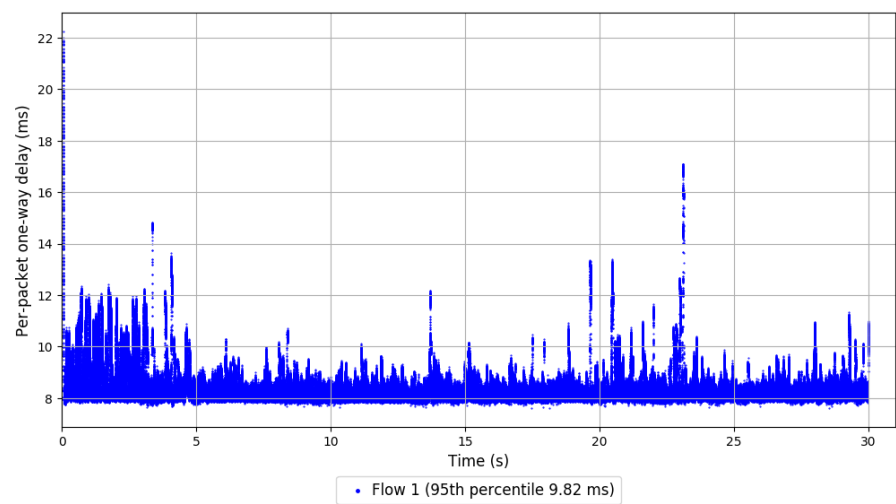
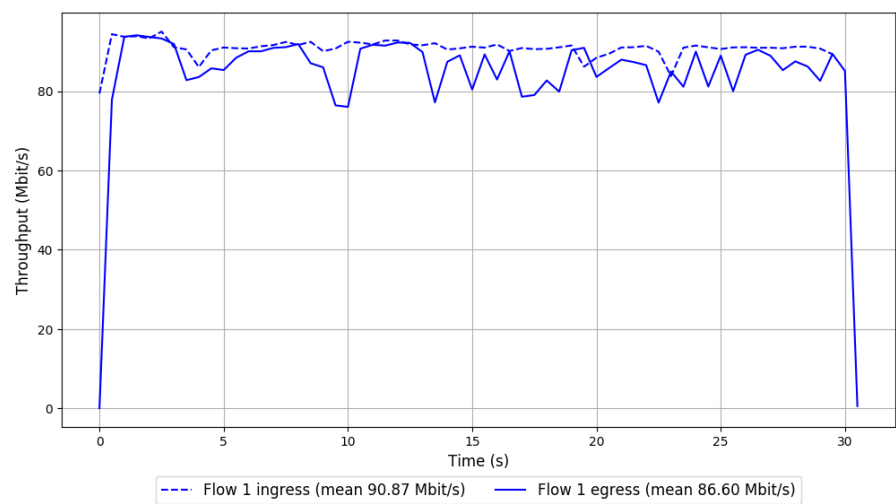
-- Flow 1:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 9.820 ms

Loss rate: 4.69%

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

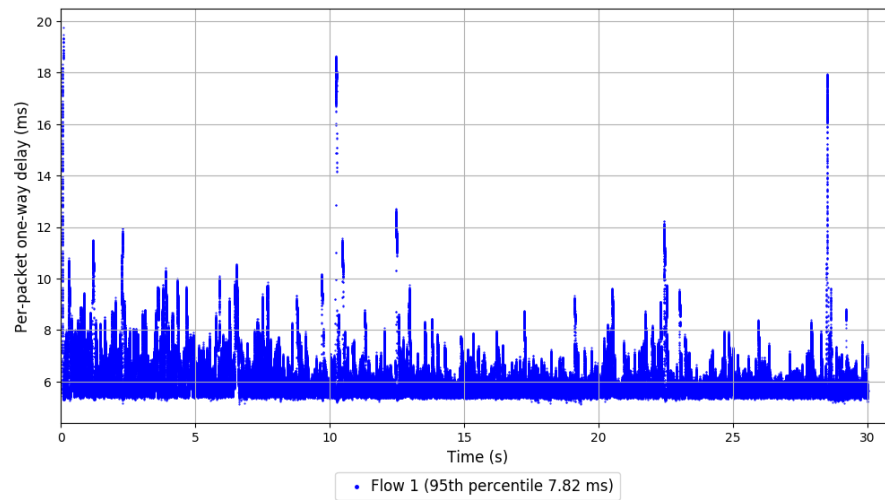
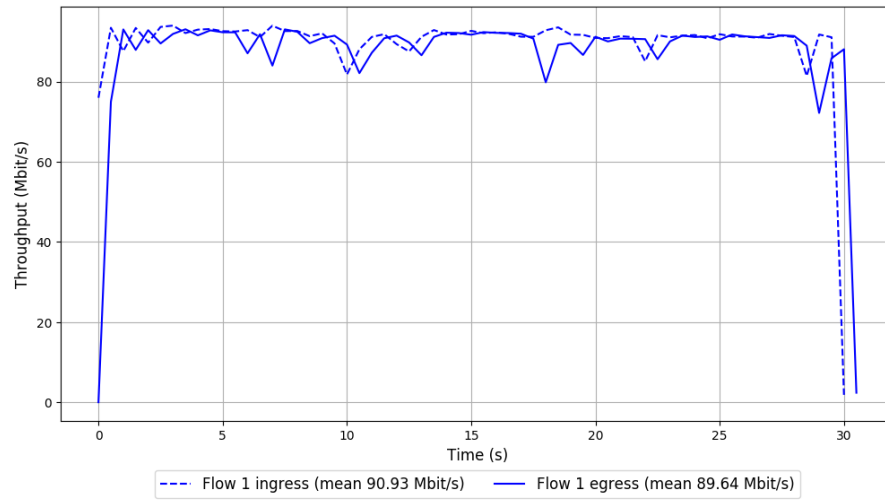


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 09:11:38
End at: 2018-07-17 09:12:09
Local clock offset: -1.049 ms
Remote clock offset: -10.687 ms

Below is generated by plot.py at 2018-07-17 12:26:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 7.823 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 7.823 ms
Loss rate: 1.41%

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

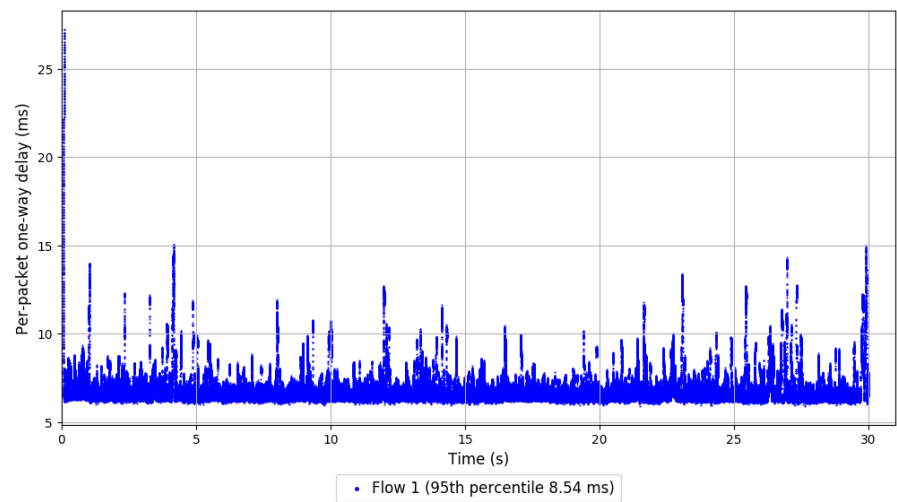
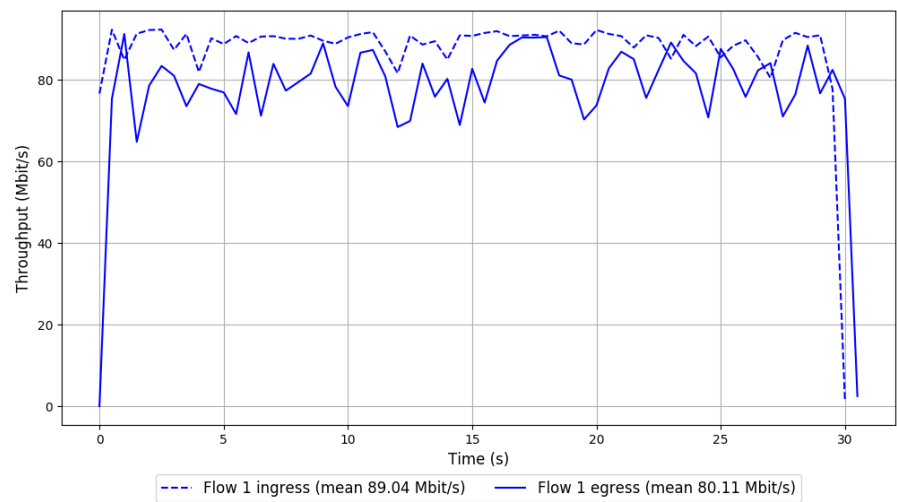


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 09:31:04
End at: 2018-07-17 09:31:34
Local clock offset: -4.77 ms
Remote clock offset: -13.296 ms

Below is generated by plot.py at 2018-07-17 12:26:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 8.543 ms
Loss rate: 10.03%
-- Flow 1:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 8.543 ms
Loss rate: 10.03%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 09:50:40

End at: 2018-07-17 09:51:10

Local clock offset: -8.019 ms

Remote clock offset: -9.23 ms

Below is generated by plot.py at 2018-07-17 12:26:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 8.095 ms

Loss rate: 6.96%

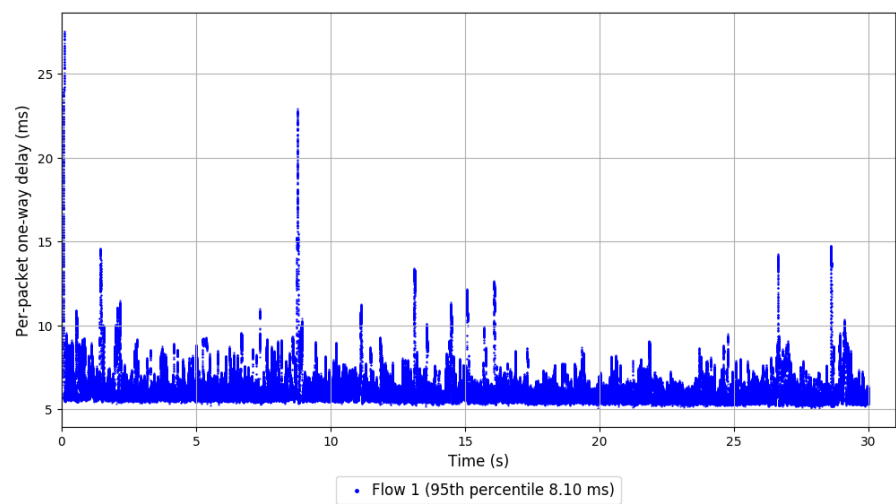
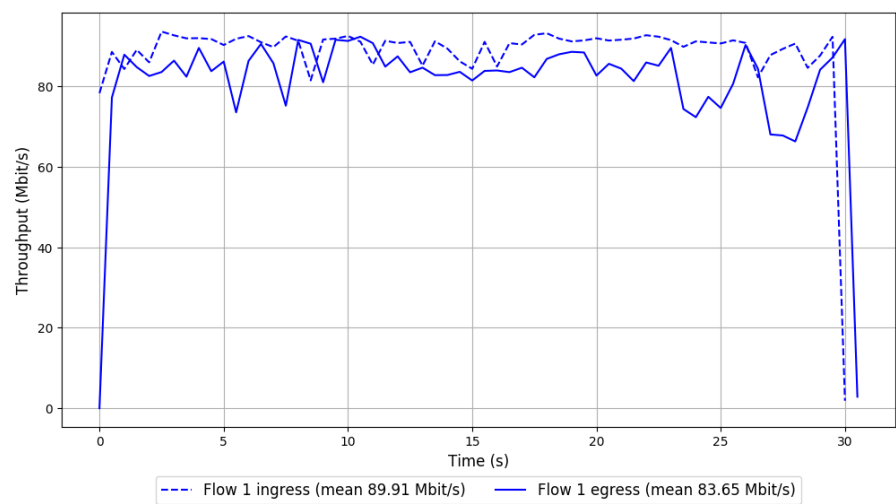
-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 8.095 ms

Loss rate: 6.96%

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

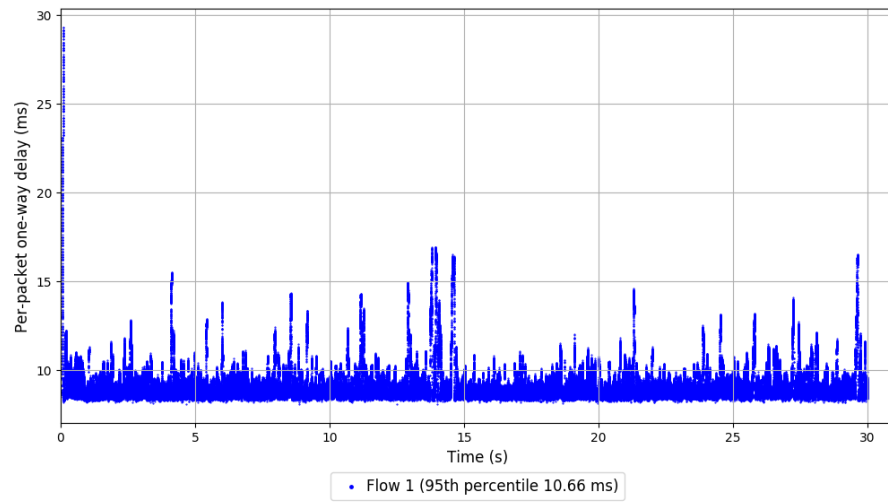
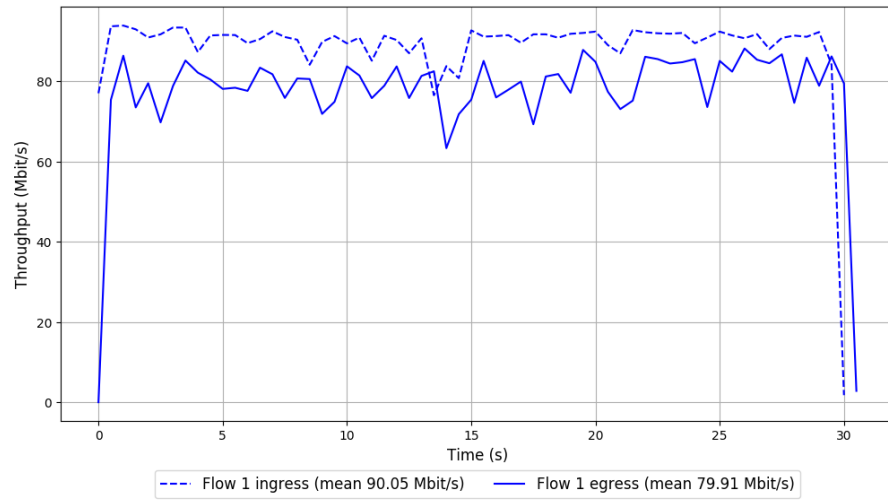


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 10:10:21
End at: 2018-07-17 10:10:51
Local clock offset: -5.713 ms
Remote clock offset: -5.463 ms

Below is generated by plot.py at 2018-07-17 12:26:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 10.661 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 10.661 ms
Loss rate: 11.27%

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

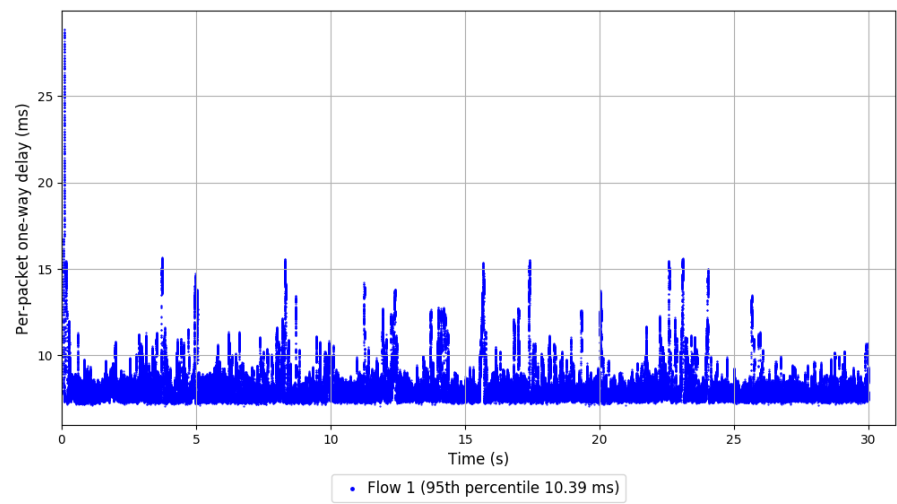
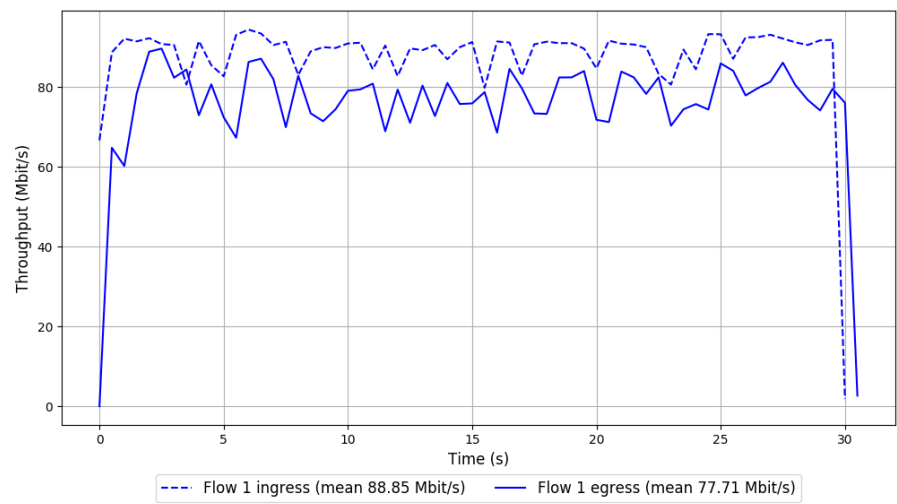


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 10:29:53
End at: 2018-07-17 10:30:23
Local clock offset: -5.51 ms
Remote clock offset: -14.092 ms

Below is generated by plot.py at 2018-07-17 12:26:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 10.390 ms
Loss rate: 12.54%
-- Flow 1:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 10.390 ms
Loss rate: 12.54%

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

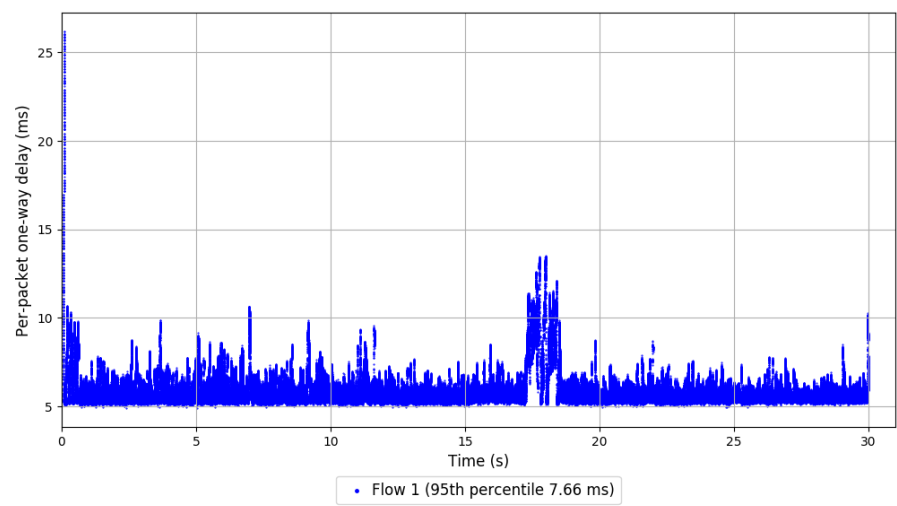
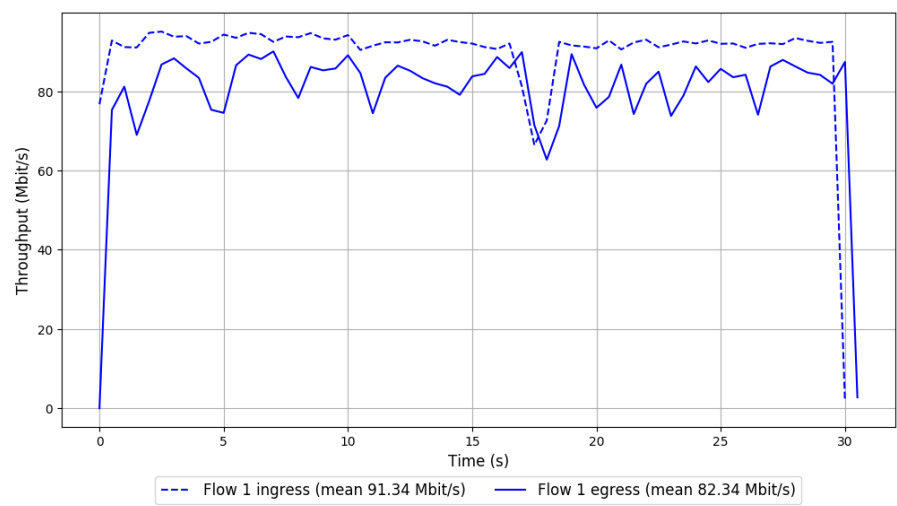


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 10:49:42
End at: 2018-07-17 10:50:12
Local clock offset: -7.324 ms
Remote clock offset: -20.131 ms

Below is generated by plot.py at 2018-07-17 12:26:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 7.659 ms
Loss rate: 9.85%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 7.659 ms
Loss rate: 9.85%

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

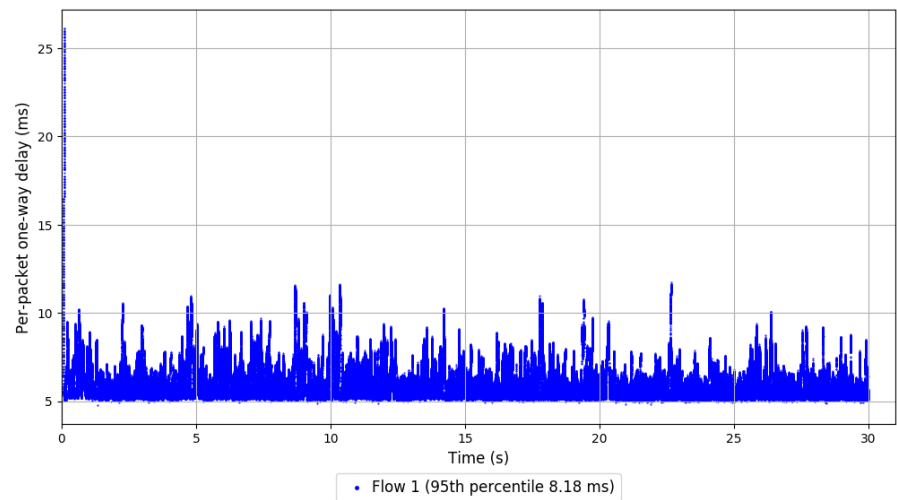
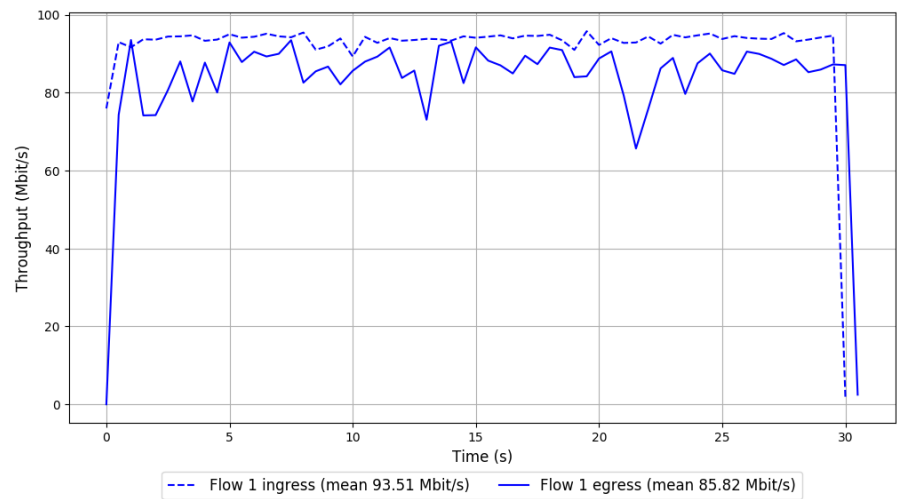


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 11:09:25
End at: 2018-07-17 11:09:56
Local clock offset: -6.397 ms
Remote clock offset: -14.176 ms

Below is generated by plot.py at 2018-07-17 12:26:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 8.183 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 8.183 ms
Loss rate: 8.22%

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

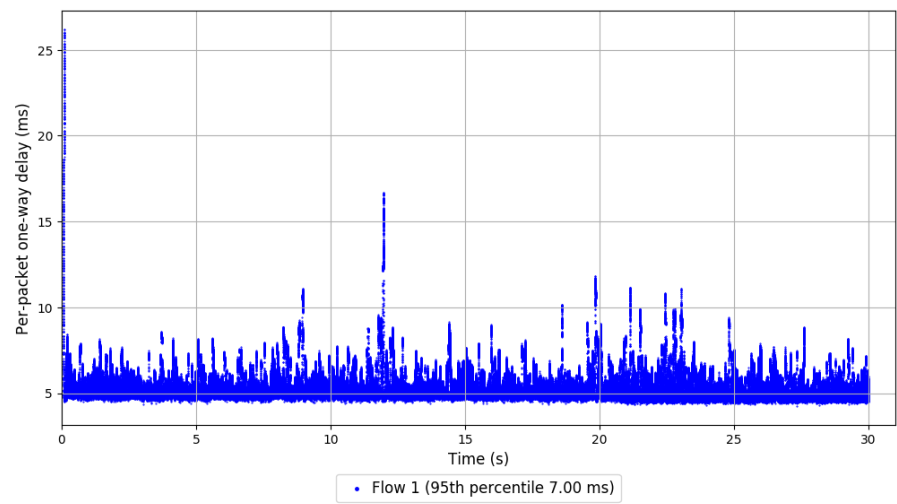
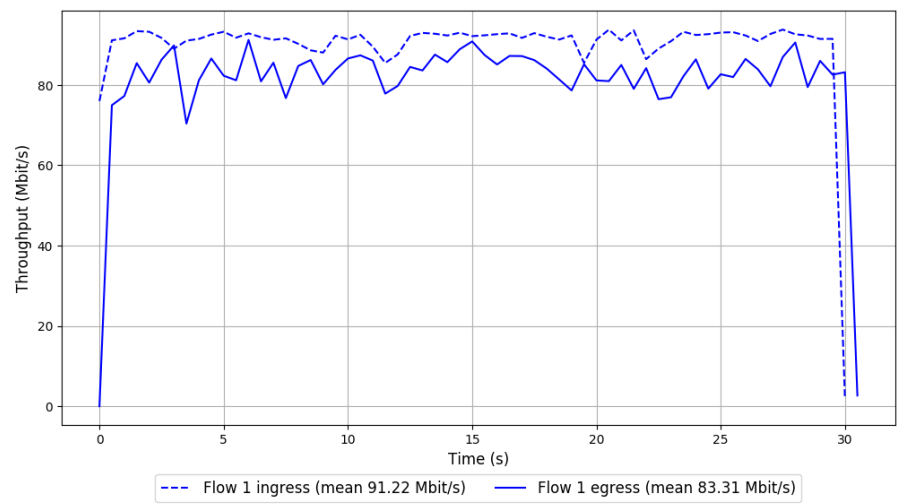


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 11:29:24
End at: 2018-07-17 11:29:54
Local clock offset: -6.148 ms
Remote clock offset: -11.747 ms

Below is generated by plot.py at 2018-07-17 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 7.004 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 7.004 ms
Loss rate: 8.67%

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

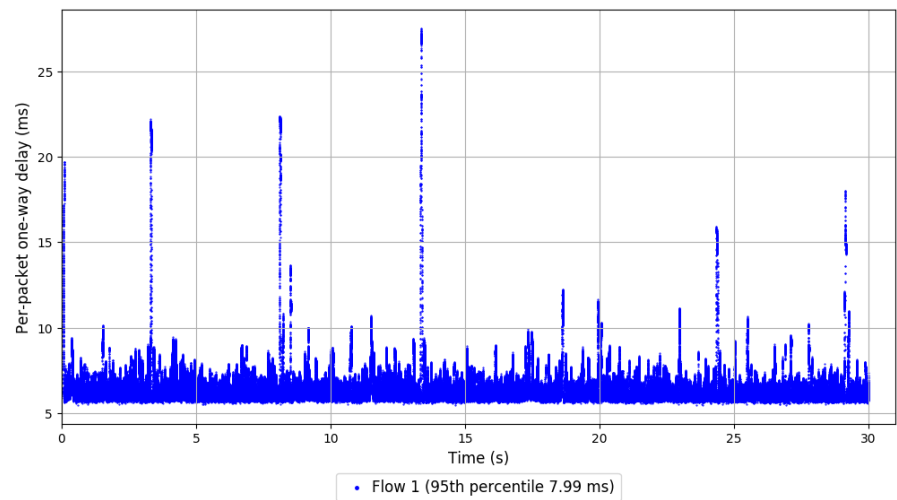
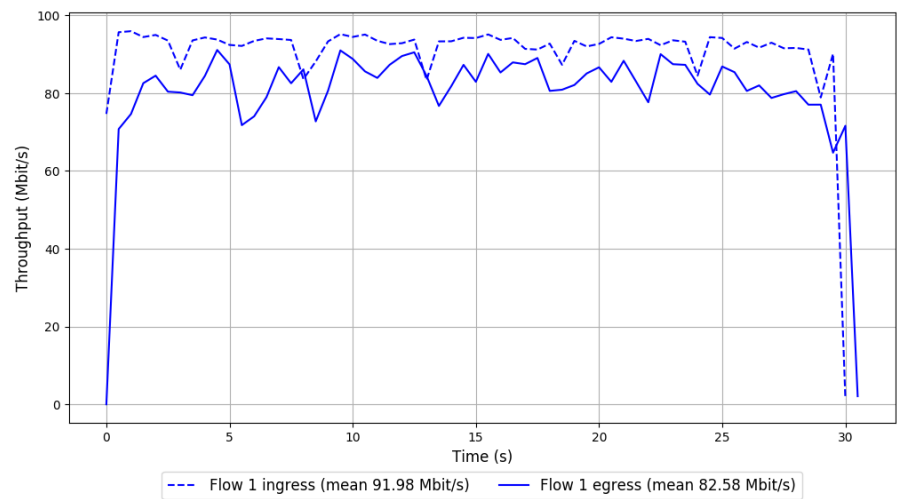


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 11:49:32
End at: 2018-07-17 11:50:02
Local clock offset: -5.131 ms
Remote clock offset: -7.619 ms

# Below is generated by plot.py at 2018-07-17 12:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 7.989 ms
Loss rate: 10.22%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 7.989 ms
Loss rate: 10.22%
```

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

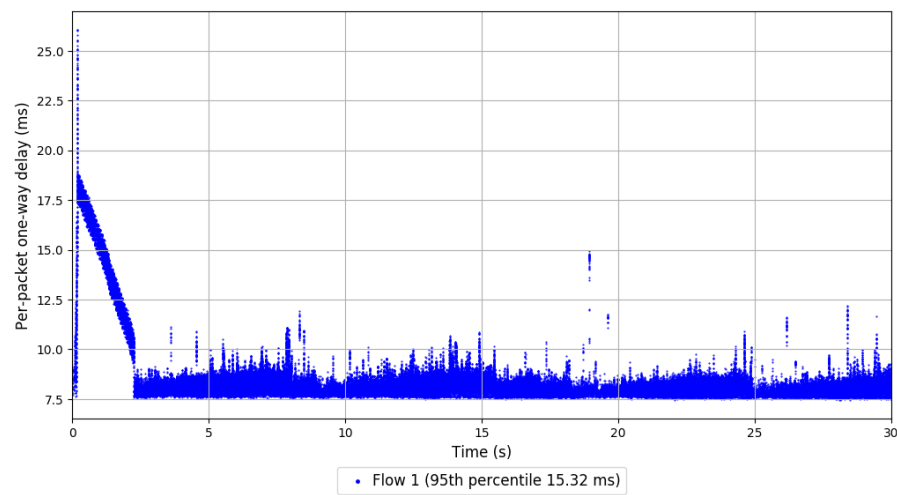
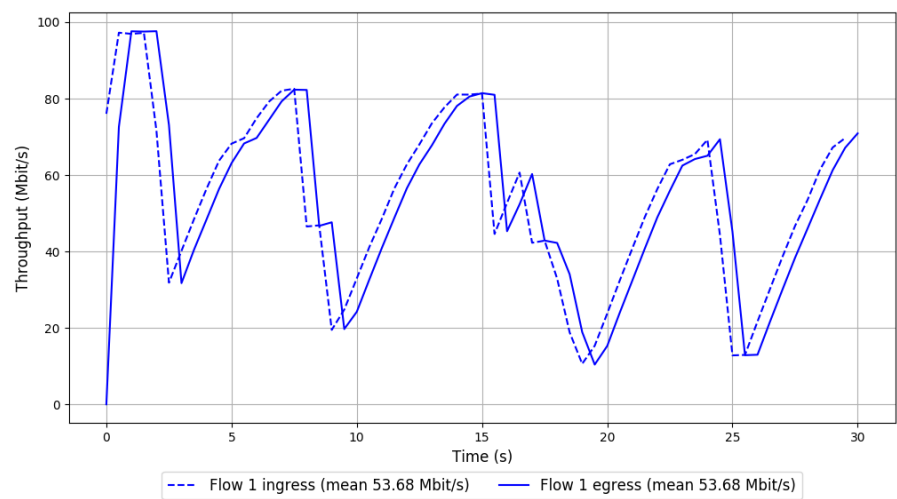


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 09:08:18
End at: 2018-07-17 09:08:48
Local clock offset: -2.627 ms
Remote clock offset: -10.184 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 15.316 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 15.316 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

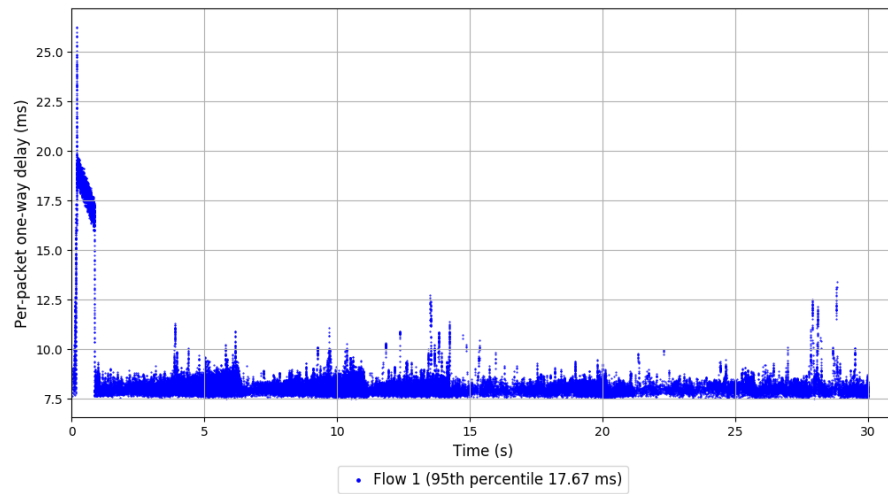
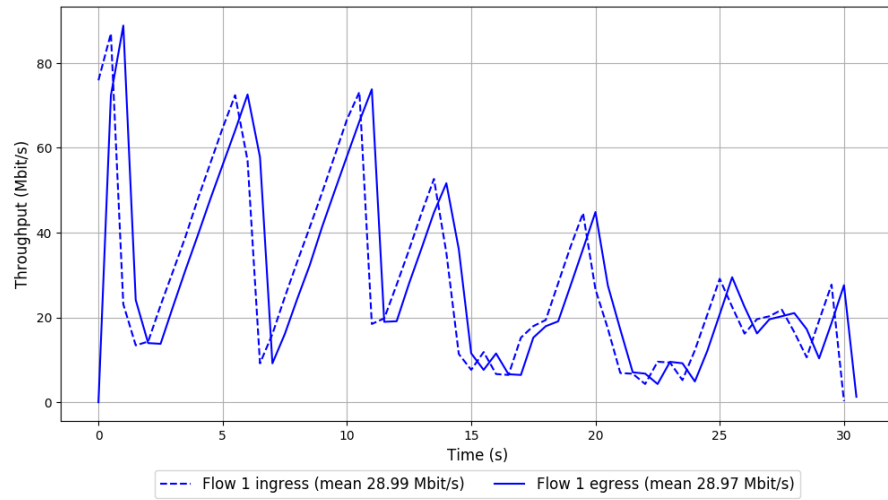


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 09:27:45
End at: 2018-07-17 09:28:15
Local clock offset: -5.866 ms
Remote clock offset: -12.336 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 17.669 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 17.669 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

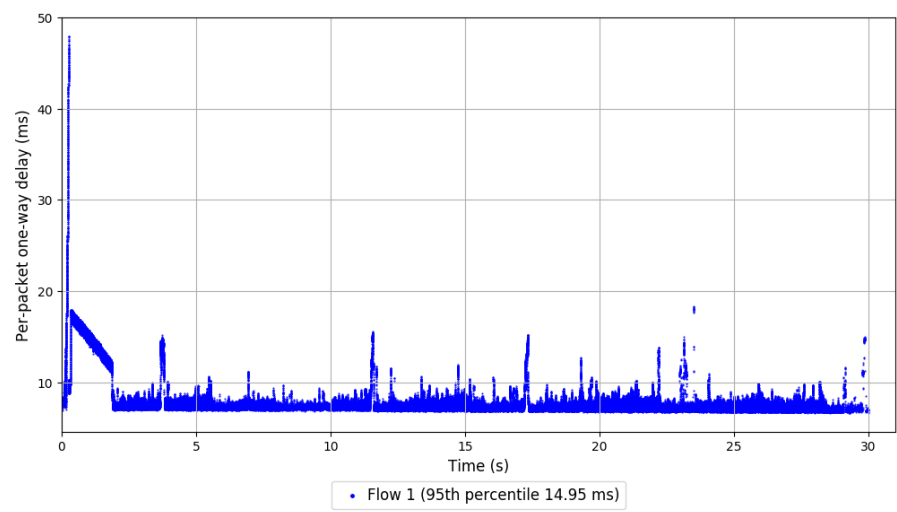
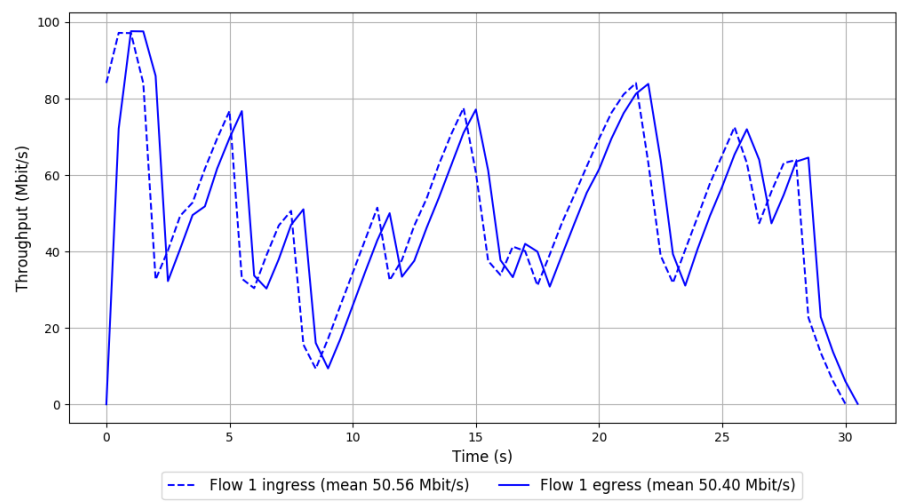


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 09:47:17
End at: 2018-07-17 09:47:47
Local clock offset: -7.751 ms
Remote clock offset: -9.775 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.31%

Run 3: Report of TCP Vegas — Data Link

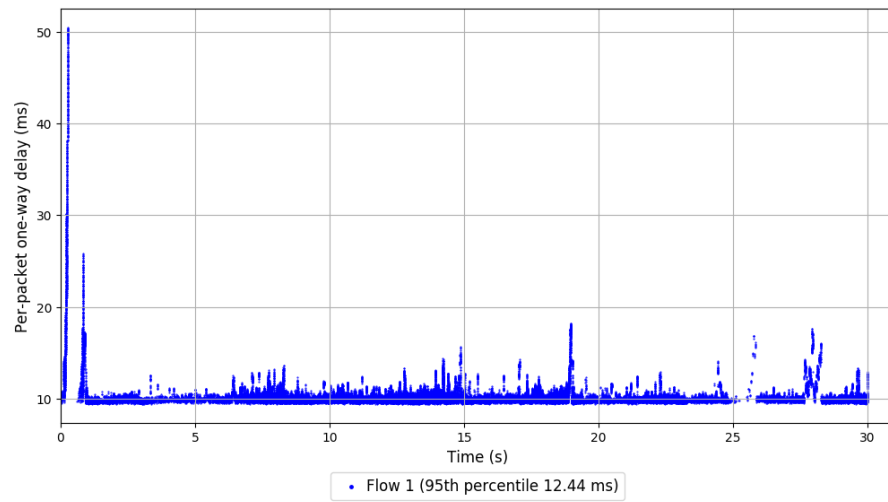
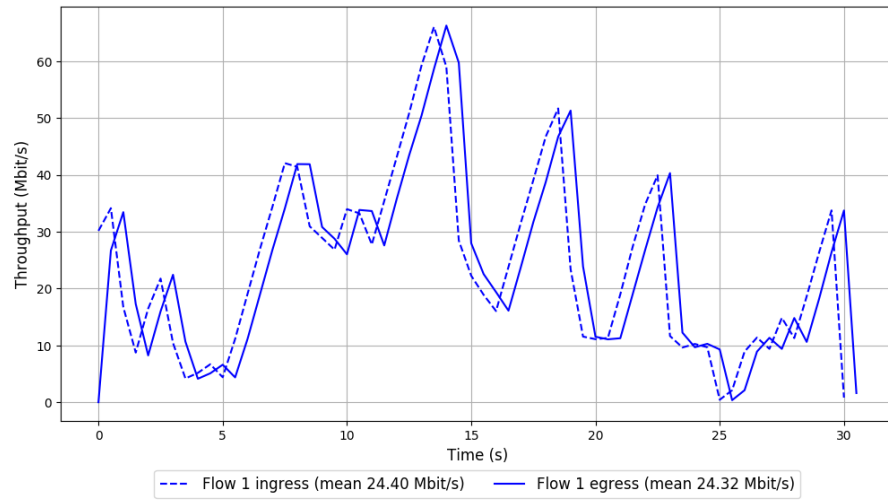


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 10:06:58
End at: 2018-07-17 10:07:28
Local clock offset: -7.184 ms
Remote clock offset: -5.715 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 12.435 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 12.435 ms
Loss rate: 0.36%

Run 4: Report of TCP Vegas — Data Link

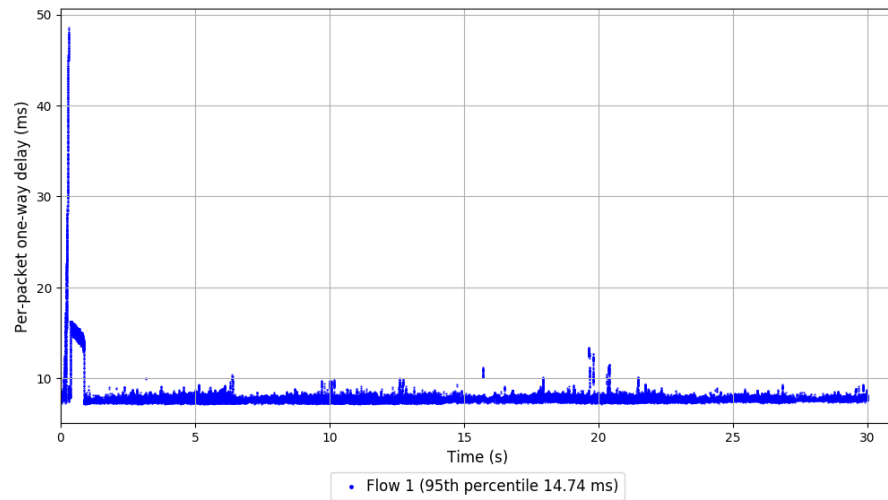
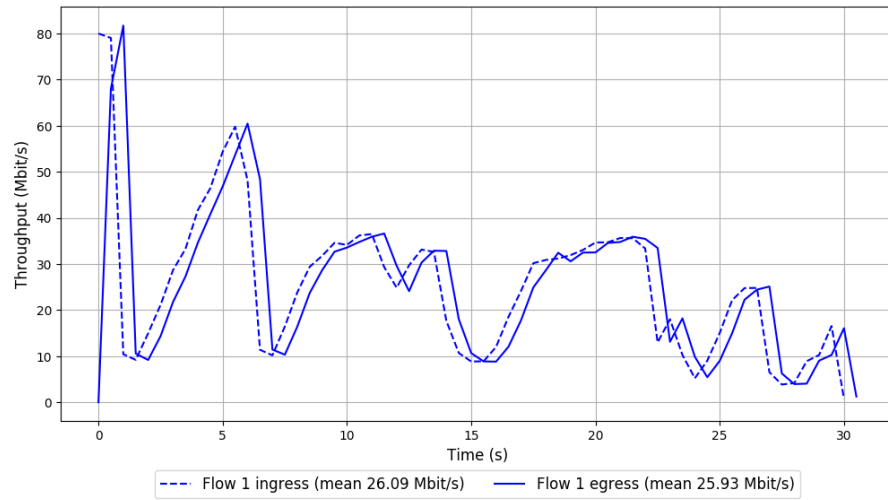


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 10:26:32
End at: 2018-07-17 10:27:03
Local clock offset: -4.261 ms
Remote clock offset: -10.409 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 14.741 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 14.741 ms
Loss rate: 0.63%

Run 5: Report of TCP Vegas — Data Link

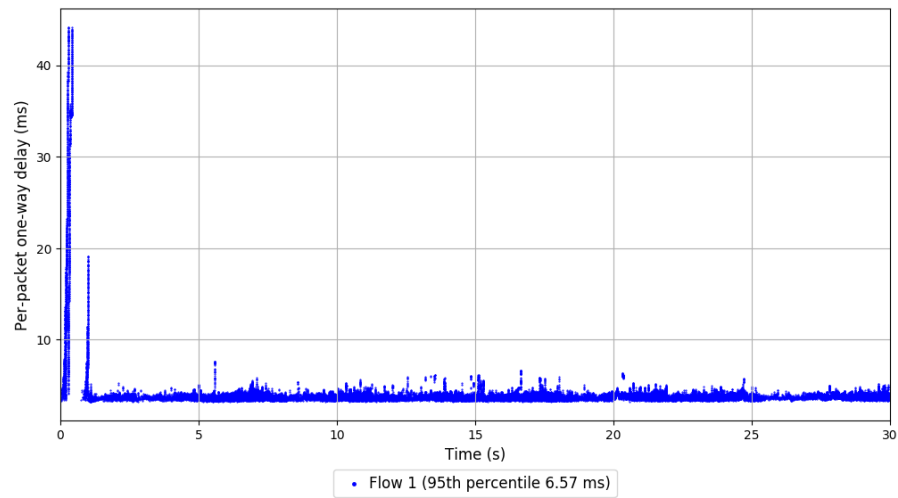
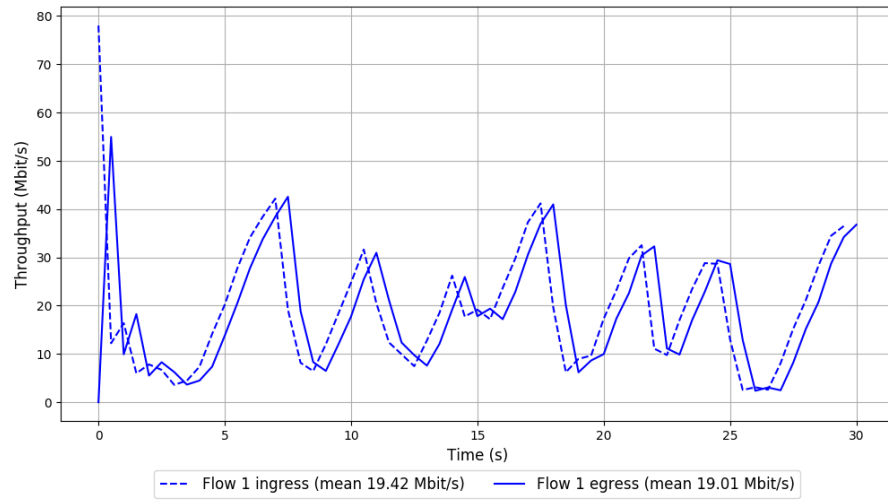


Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 10:46:20
End at: 2018-07-17 10:46:50
Local clock offset: -7.05 ms
Remote clock offset: -19.71 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 6.568 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 6.568 ms
Loss rate: 2.13%

Run 6: Report of TCP Vegas — Data Link

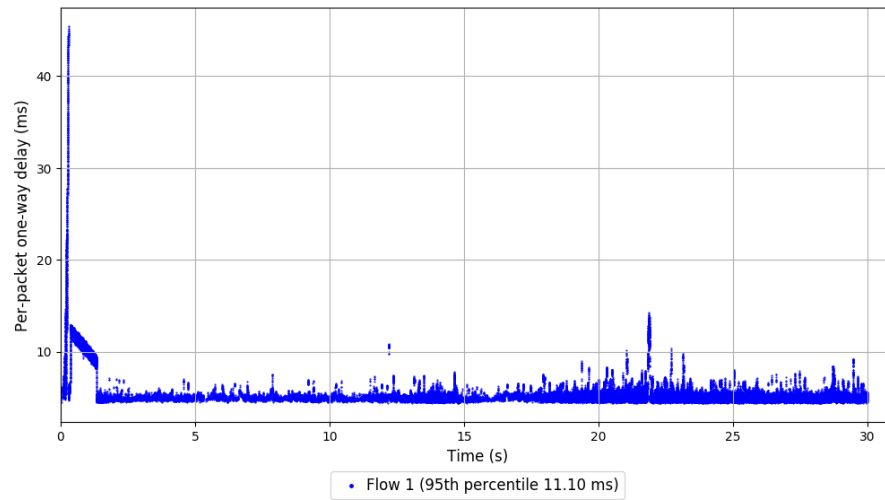
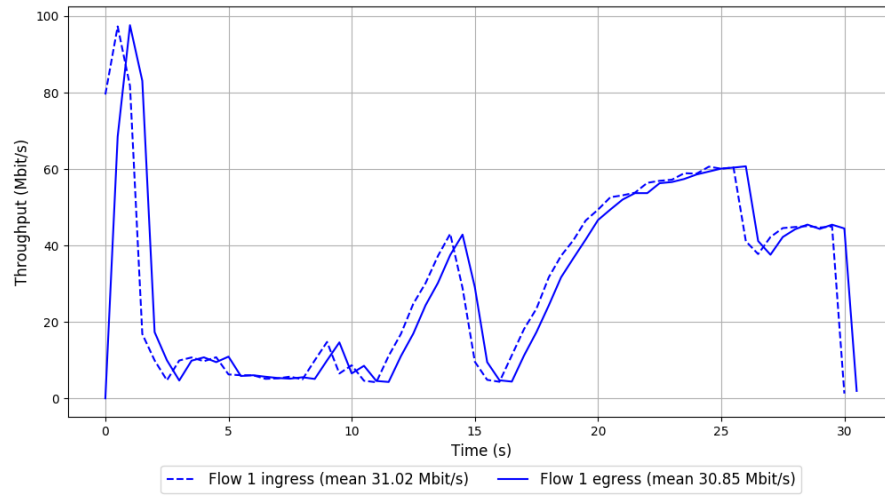


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 11:06:05
End at: 2018-07-17 11:06:35
Local clock offset: -6.48 ms
Remote clock offset: -13.456 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 11.102 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 11.102 ms
Loss rate: 0.55%

Run 7: Report of TCP Vegas — Data Link

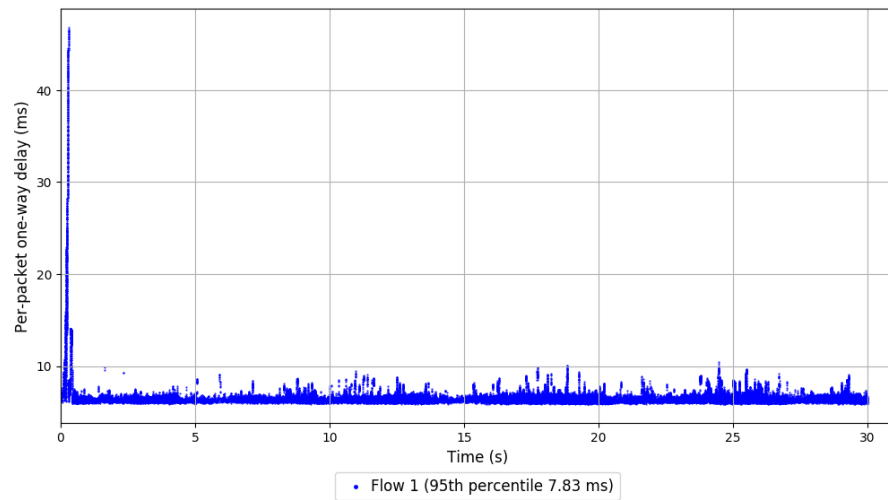
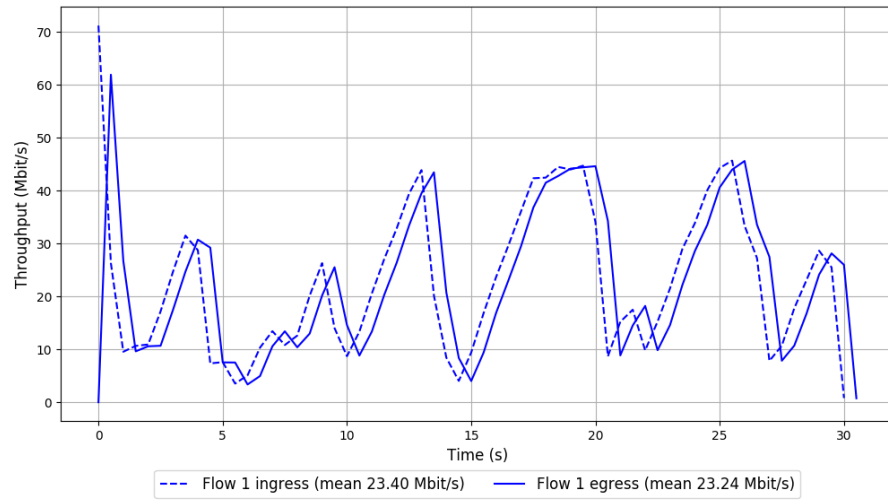


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 11:26:02
End at: 2018-07-17 11:26:32
Local clock offset: -8.452 ms
Remote clock offset: -13.038 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 7.834 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 7.834 ms
Loss rate: 0.69%

Run 8: Report of TCP Vegas — Data Link

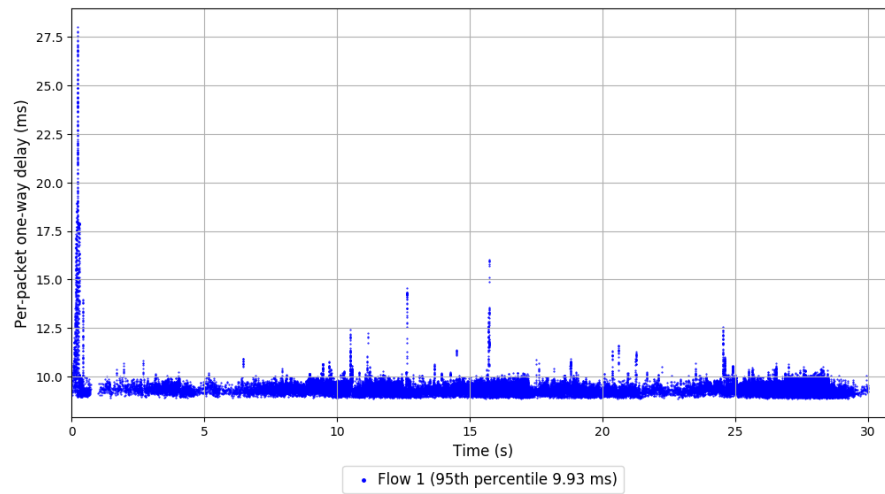
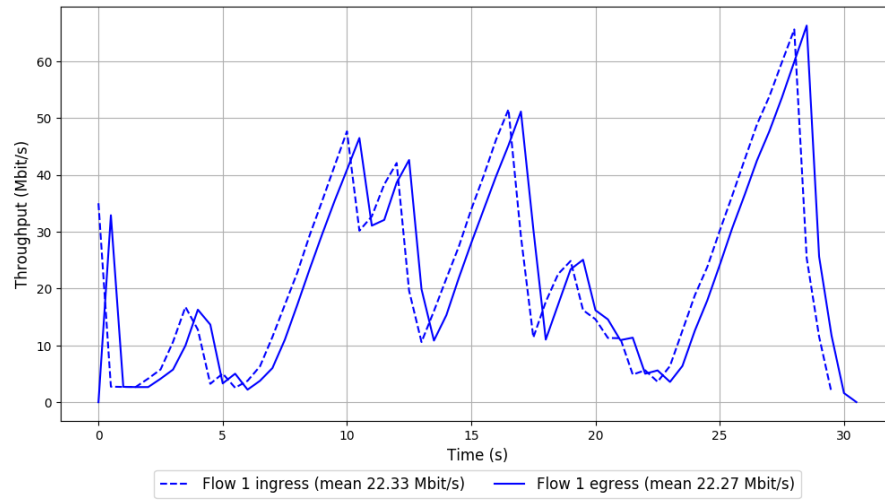


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 11:46:10
End at: 2018-07-17 11:46:40
Local clock offset: -6.045 ms
Remote clock offset: -7.445 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 9.929 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 9.929 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 12:06:07

End at: 2018-07-17 12:06:37

Local clock offset: 0.683 ms

Remote clock offset: -8.109 ms

Below is generated by plot.py at 2018-07-17 12:28:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.71 Mbit/s

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

Loss rate: 0.82%

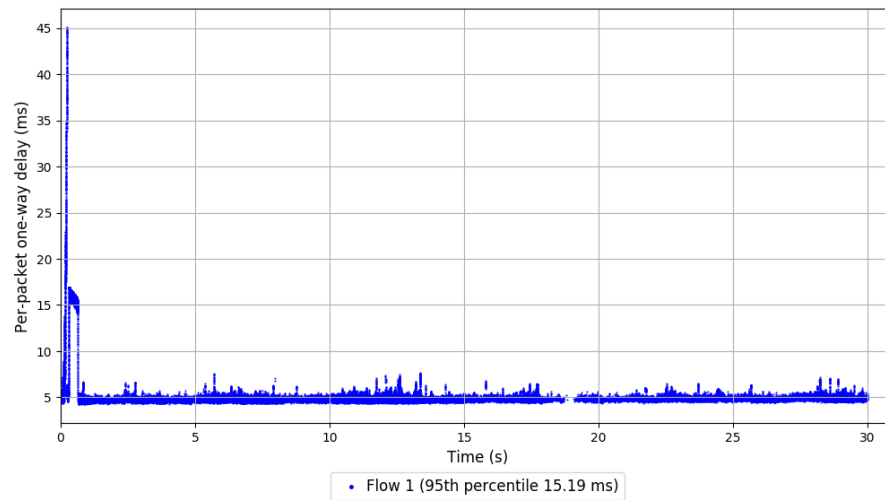
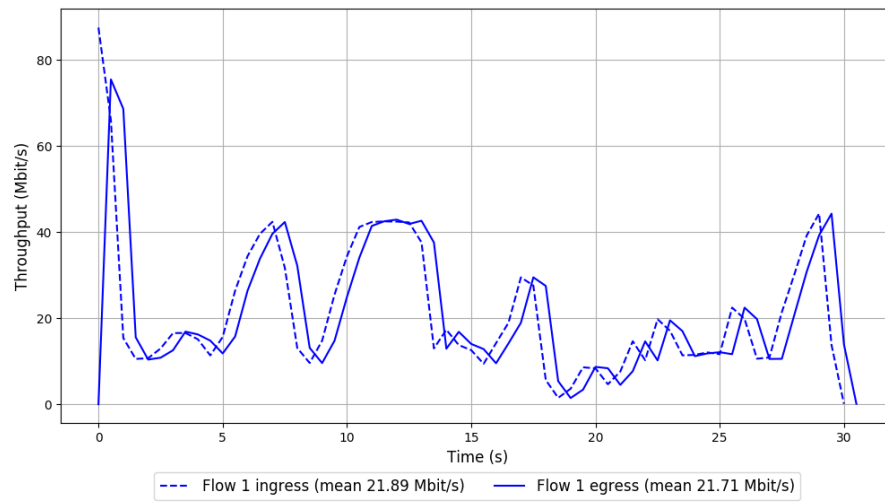
-- Flow 1:

Average throughput: 21.71 Mbit/s

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

Loss rate: 0.82%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-17 09:10:29

End at: 2018-07-17 09:10:59

Local clock offset: -2.715 ms

Remote clock offset: -9.33 ms

Below is generated by plot.py at 2018-07-17 12:28:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.57 Mbit/s

95th percentile per-packet one-way delay: 31.989 ms

Loss rate: 6.16%

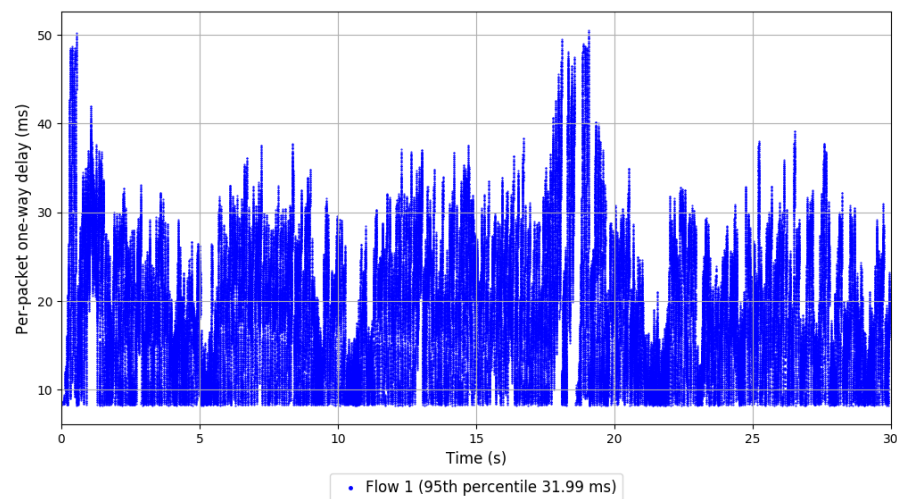
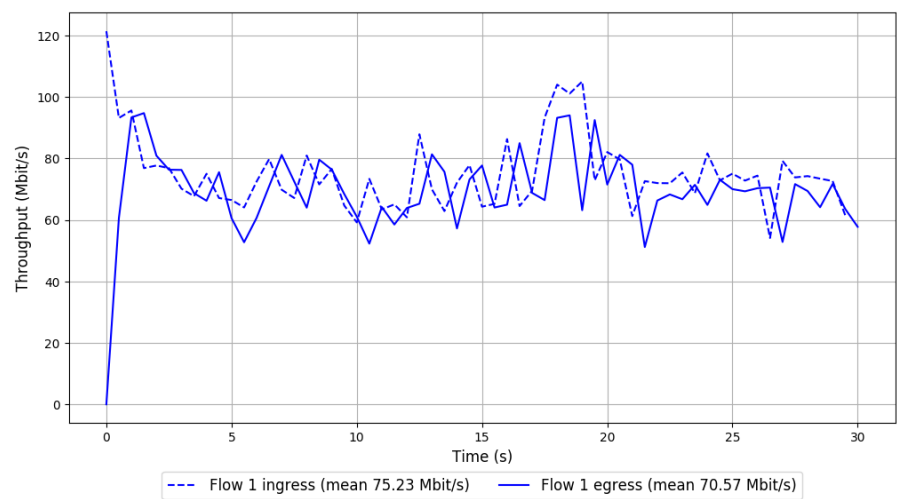
-- Flow 1:

Average throughput: 70.57 Mbit/s

95th percentile per-packet one-way delay: 31.989 ms

Loss rate: 6.16%

Run 1: Report of Verus — Data Link

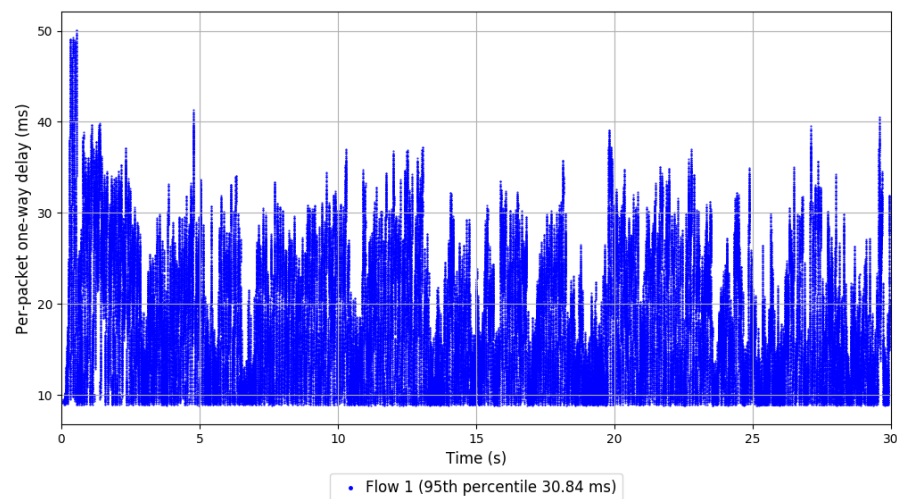
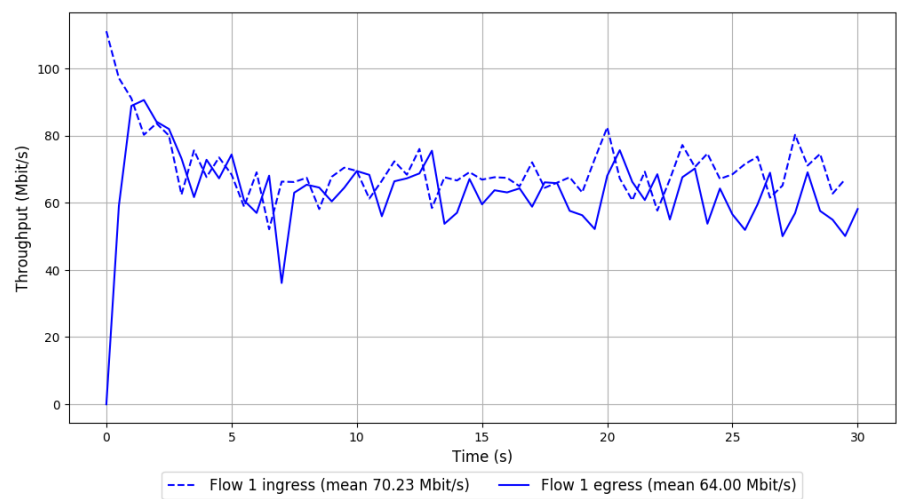


Run 2: Statistics of Verus

Start at: 2018-07-17 09:29:55
End at: 2018-07-17 09:30:25
Local clock offset: -6.559 ms
Remote clock offset: -12.402 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 8.83%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 8.83%

Run 2: Report of Verus — Data Link

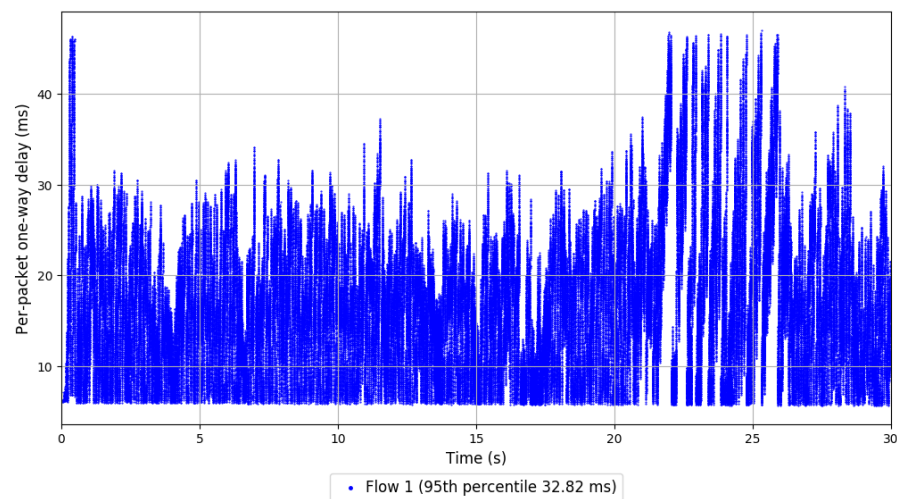
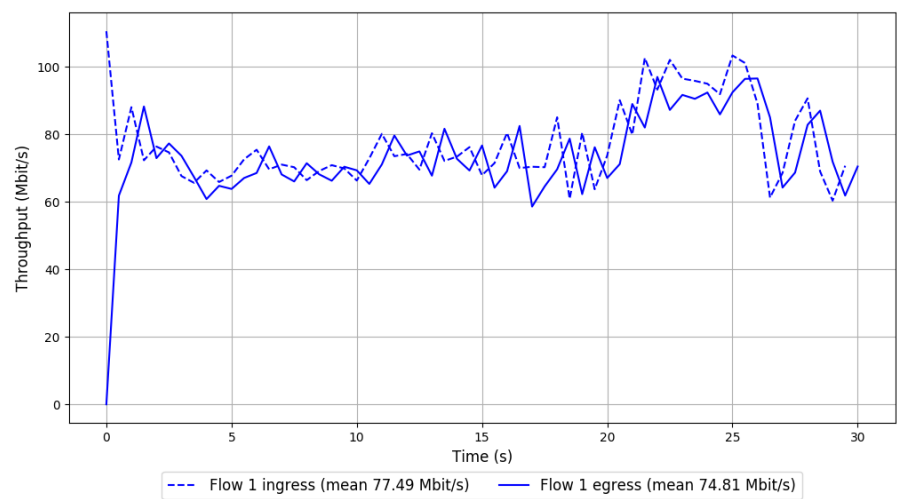


Run 3: Statistics of Verus

Start at: 2018-07-17 09:49:29
End at: 2018-07-17 09:49:59
Local clock offset: -8.173 ms
Remote clock offset: -9.462 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 32.816 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 32.816 ms
Loss rate: 3.45%

Run 3: Report of Verus — Data Link

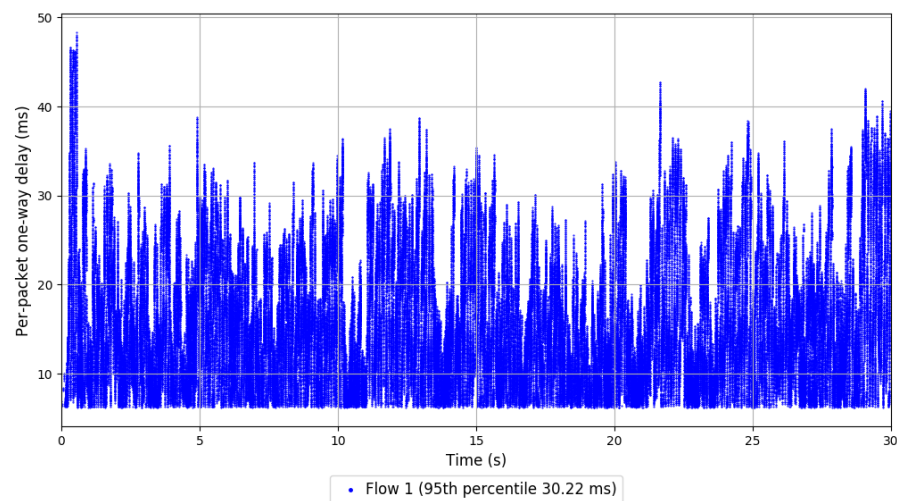
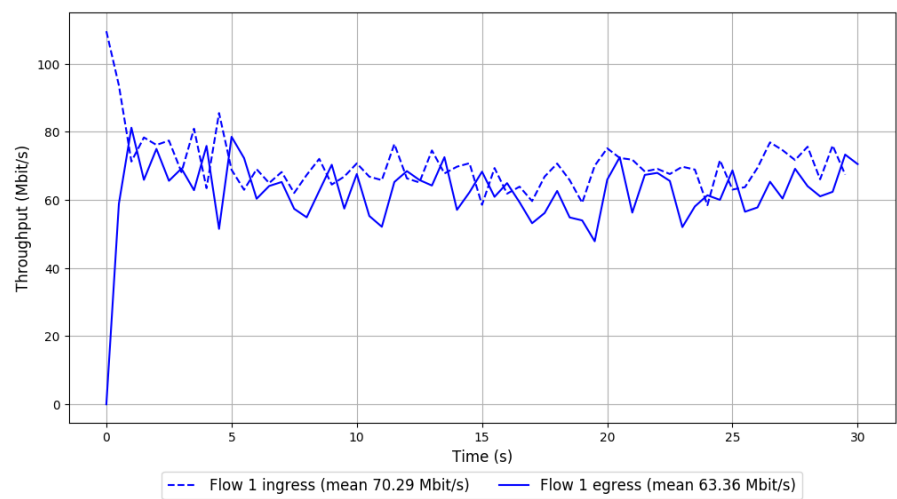


Run 4: Statistics of Verus

Start at: 2018-07-17 10:09:08
End at: 2018-07-17 10:09:38
Local clock offset: -4.209 ms
Remote clock offset: -5.926 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 30.217 ms
Loss rate: 9.75%
-- Flow 1:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 30.217 ms
Loss rate: 9.75%

Run 4: Report of Verus — Data Link

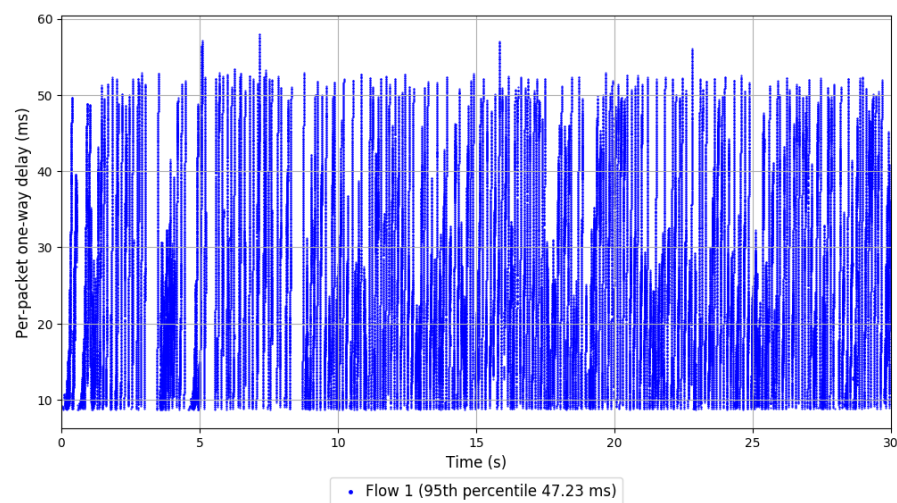
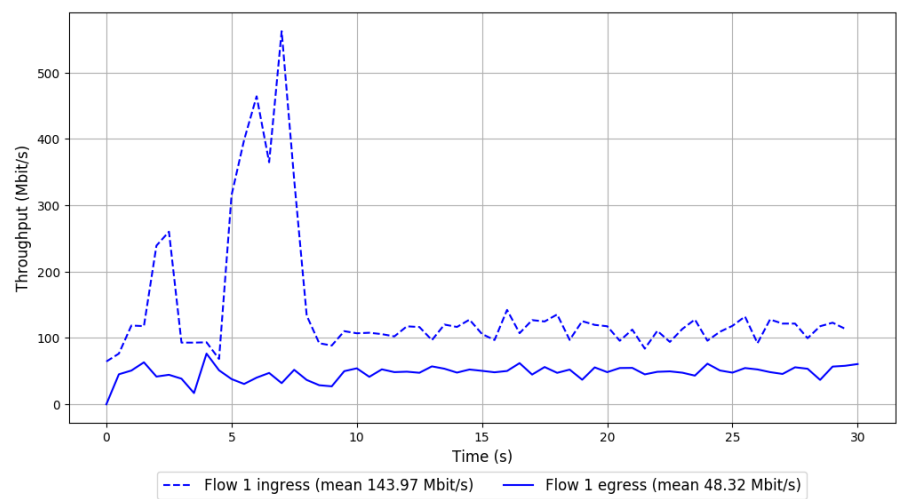


Run 5: Statistics of Verus

Start at: 2018-07-17 10:28:42
End at: 2018-07-17 10:29:12
Local clock offset: -5.998 ms
Remote clock offset: -12.83 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 47.233 ms
Loss rate: 66.41%
-- Flow 1:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 47.233 ms
Loss rate: 66.41%

Run 5: Report of Verus — Data Link

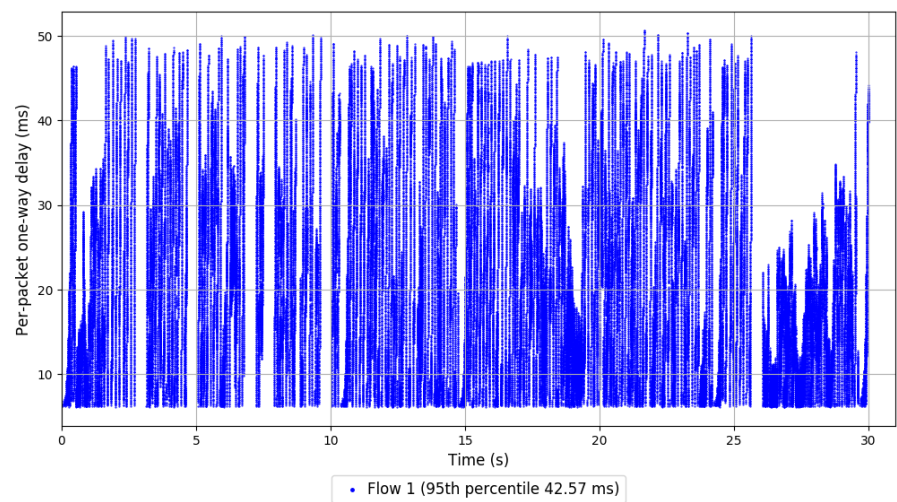
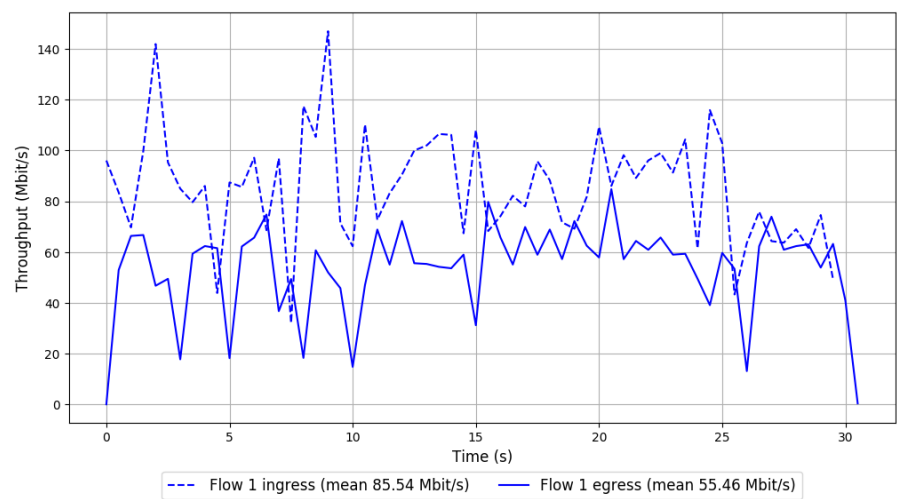


Run 6: Statistics of Verus

Start at: 2018-07-17 10:48:33
End at: 2018-07-17 10:49:03
Local clock offset: -7.875 ms
Remote clock offset: -19.498 ms

Below is generated by plot.py at 2018-07-17 12:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 42.570 ms
Loss rate: 35.09%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 42.570 ms
Loss rate: 35.09%

Run 6: Report of Verus — Data Link

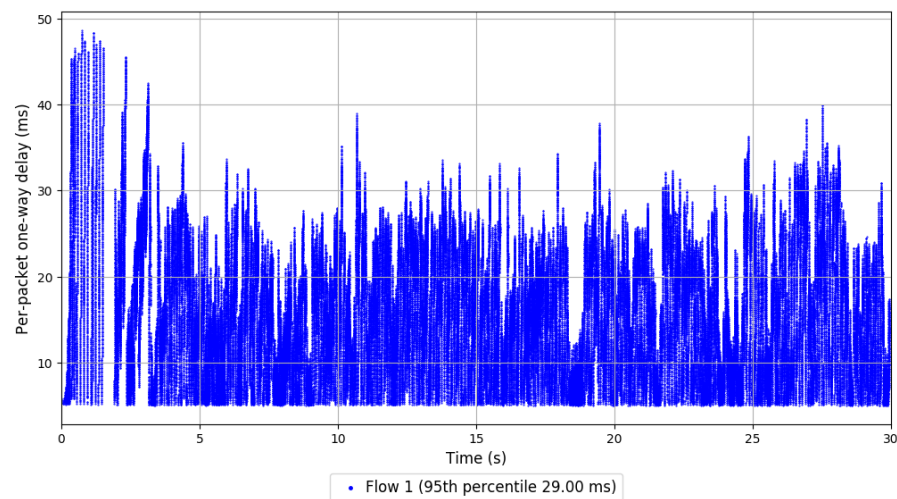
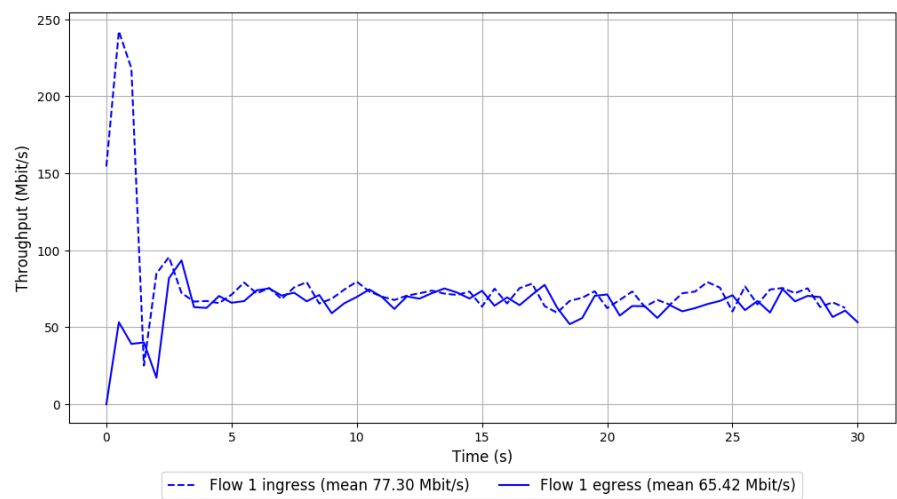


Run 7: Statistics of Verus

Start at: 2018-07-17 11:08:16
End at: 2018-07-17 11:08:46
Local clock offset: -5.934 ms
Remote clock offset: -13.775 ms

Below is generated by plot.py at 2018-07-17 12:28:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 28.996 ms
Loss rate: 15.34%
-- Flow 1:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 28.996 ms
Loss rate: 15.34%

Run 7: Report of Verus — Data Link

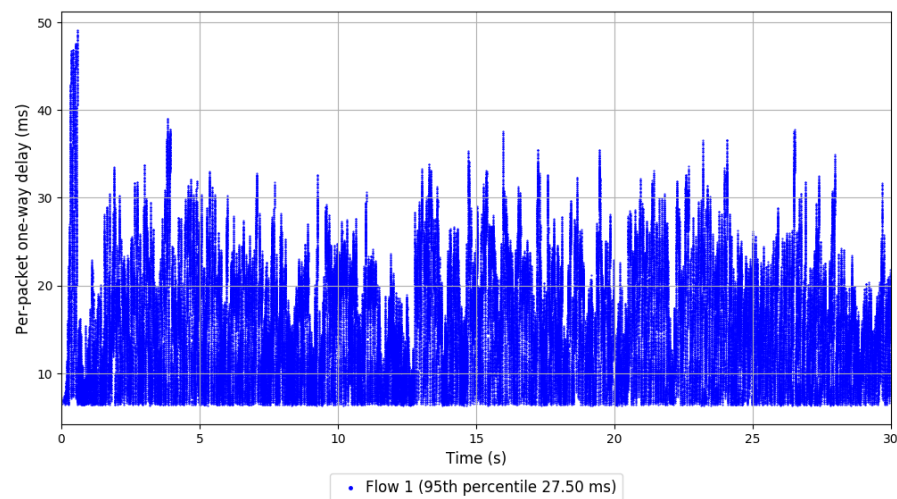
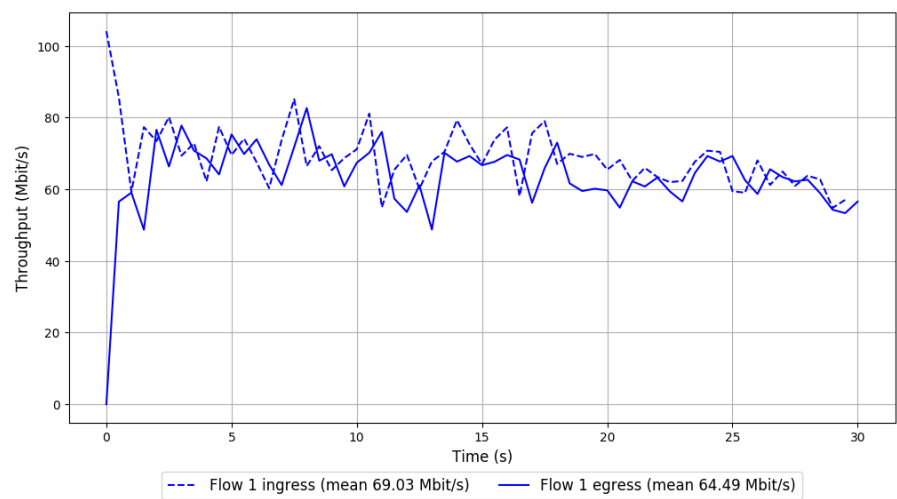


Run 8: Statistics of Verus

Start at: 2018-07-17 11:28:12
End at: 2018-07-17 11:28:42
Local clock offset: -7.838 ms
Remote clock offset: -11.693 ms

Below is generated by plot.py at 2018-07-17 12:28:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 27.505 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 27.505 ms
Loss rate: 6.52%

Run 8: Report of Verus — Data Link

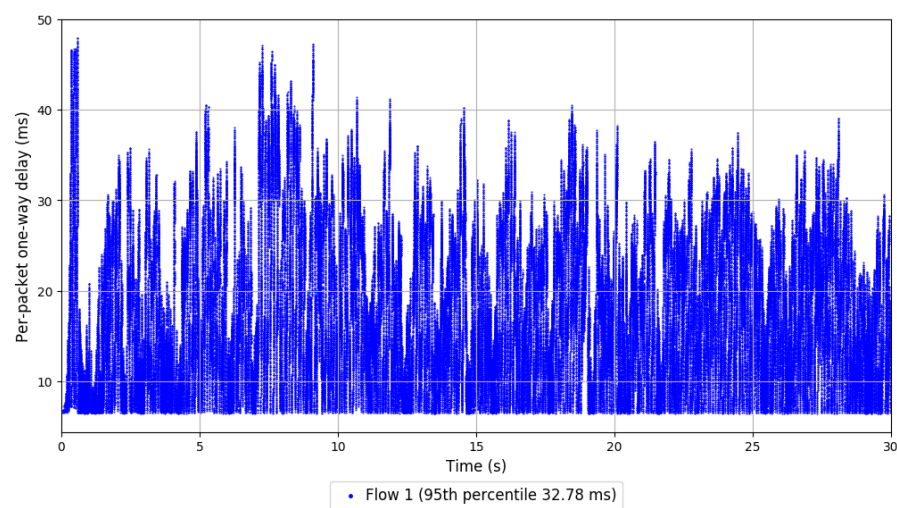
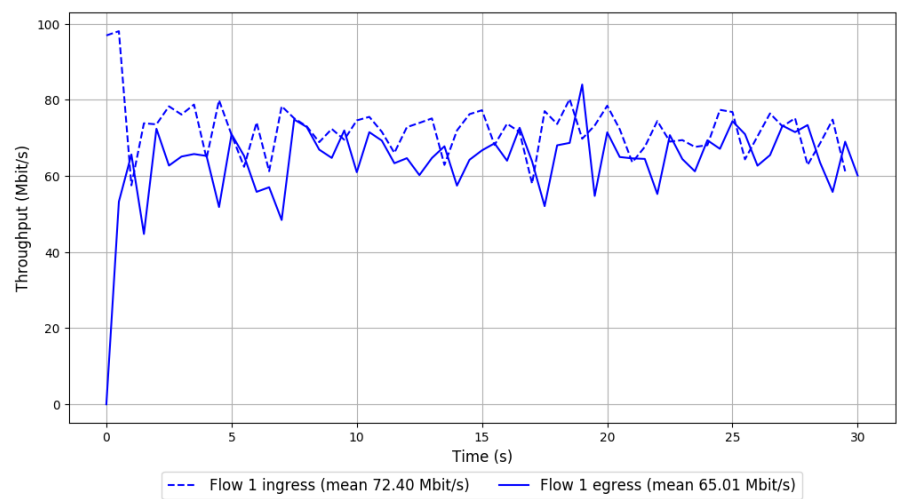


Run 9: Statistics of Verus

Start at: 2018-07-17 11:48:21
End at: 2018-07-17 11:48:51
Local clock offset: -4.438 ms
Remote clock offset: -8.069 ms

Below is generated by plot.py at 2018-07-17 12:28:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 10.18%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 10.18%

Run 9: Report of Verus — Data Link

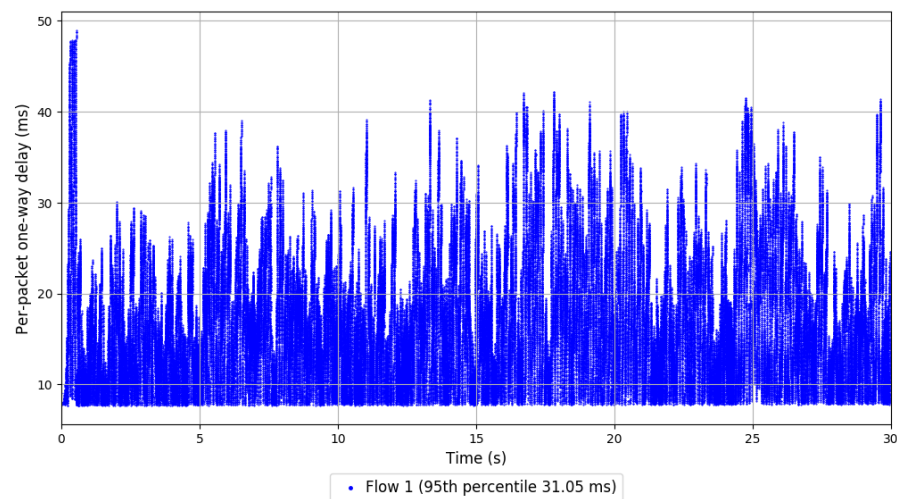
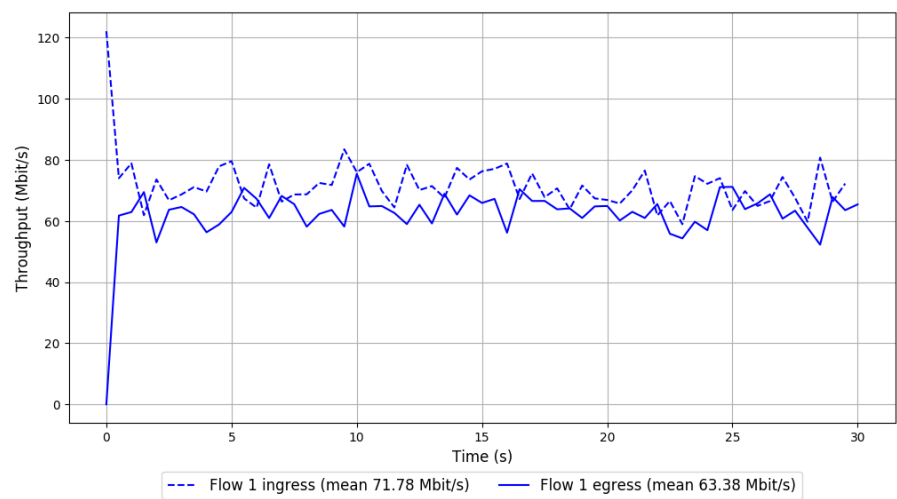


Run 10: Statistics of Verus

Start at: 2018-07-17 12:08:17
End at: 2018-07-17 12:08:47
Local clock offset: 0.991 ms
Remote clock offset: -7.063 ms

Below is generated by plot.py at 2018-07-17 12:28:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 31.052 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 31.052 ms
Loss rate: 11.66%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 09:05:58

End at: 2018-07-17 09:06:28

Local clock offset: 0.287 ms

Remote clock offset: -8.672 ms

Below is generated by plot.py at 2018-07-17 12:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 8.030 ms

Loss rate: 4.61%

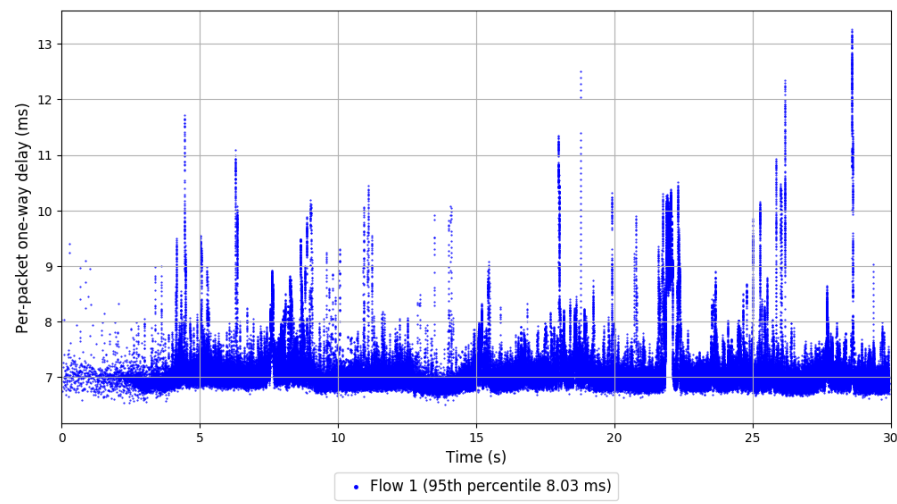
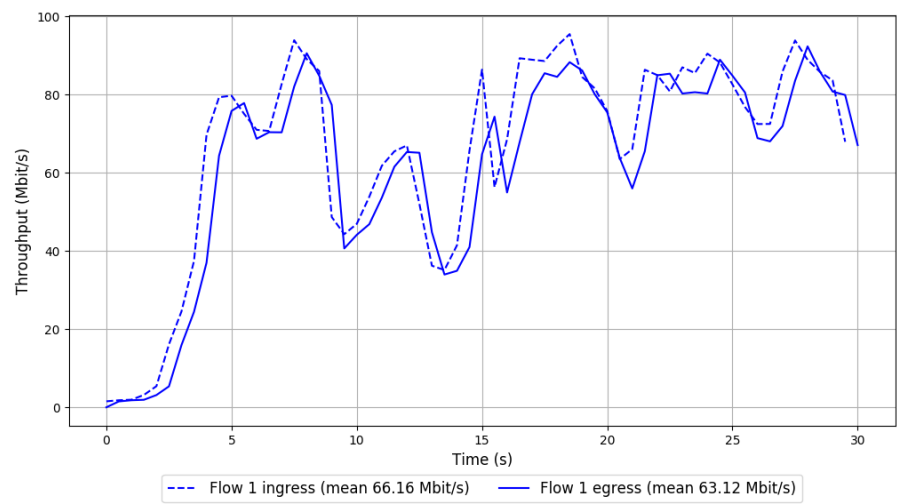
-- Flow 1:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 8.030 ms

Loss rate: 4.61%

Run 1: Report of PCC-Vivace — Data Link

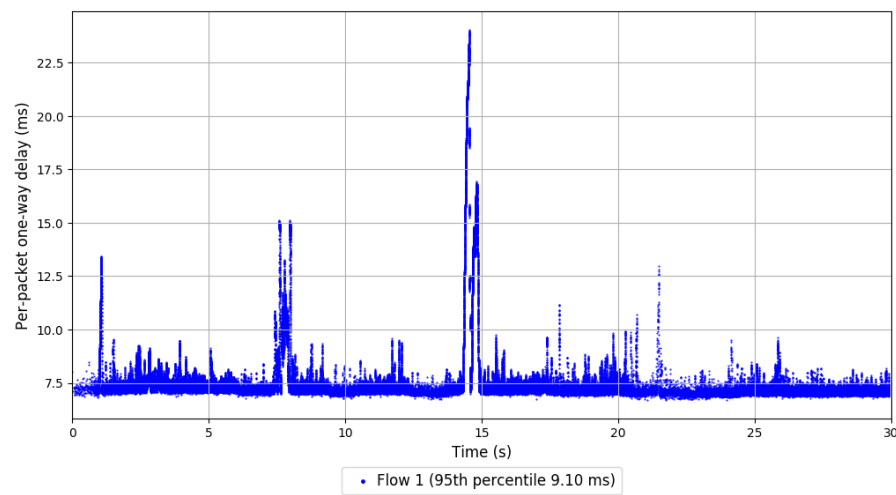
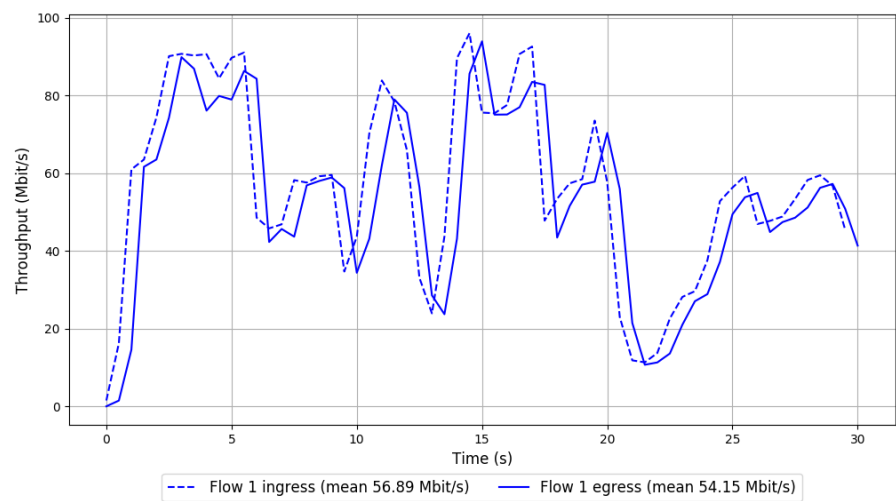


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 09:25:29
End at: 2018-07-17 09:25:59
Local clock offset: -3.97 ms
Remote clock offset: -12.583 ms

Below is generated by plot.py at 2018-07-17 12:28:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 9.101 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 9.101 ms
Loss rate: 4.82%

Run 2: Report of PCC-Vivace — Data Link

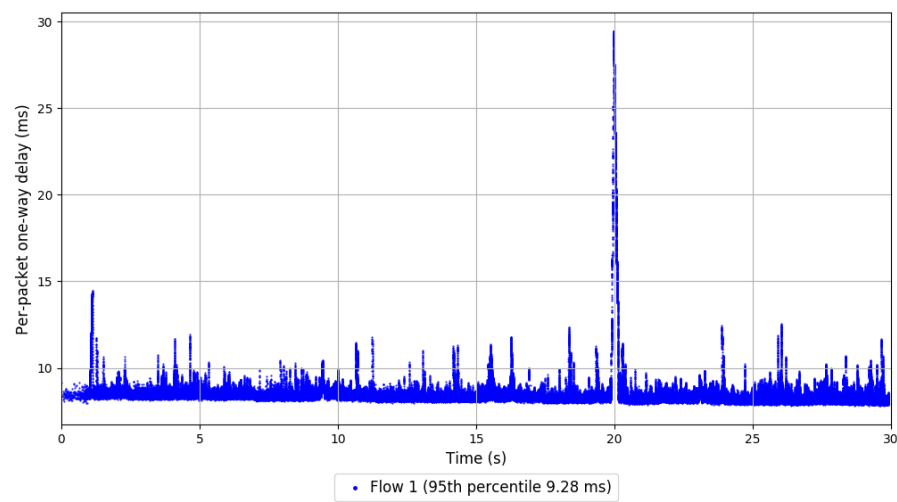
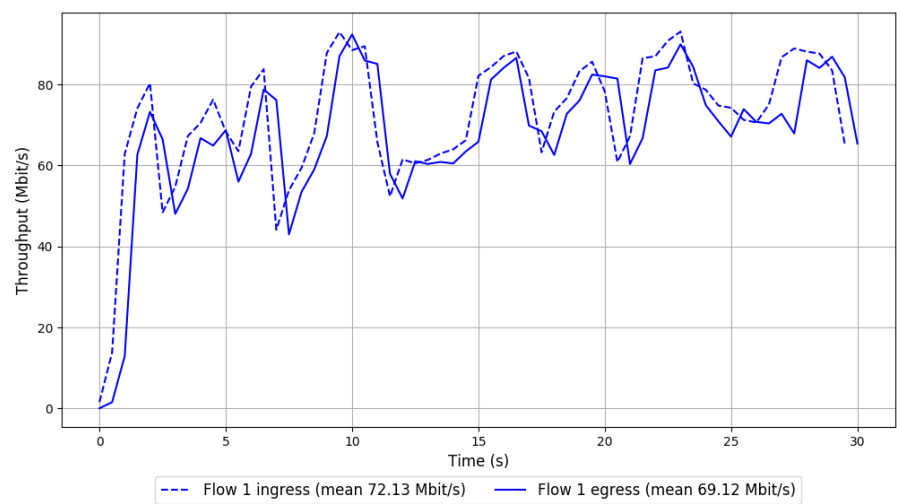


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 09:45:00
End at: 2018-07-17 09:45:30
Local clock offset: -9.215 ms
Remote clock offset: -11.811 ms

Below is generated by plot.py at 2018-07-17 12:29:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 9.282 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 9.282 ms
Loss rate: 4.17%

Run 3: Report of PCC-Vivace — Data Link

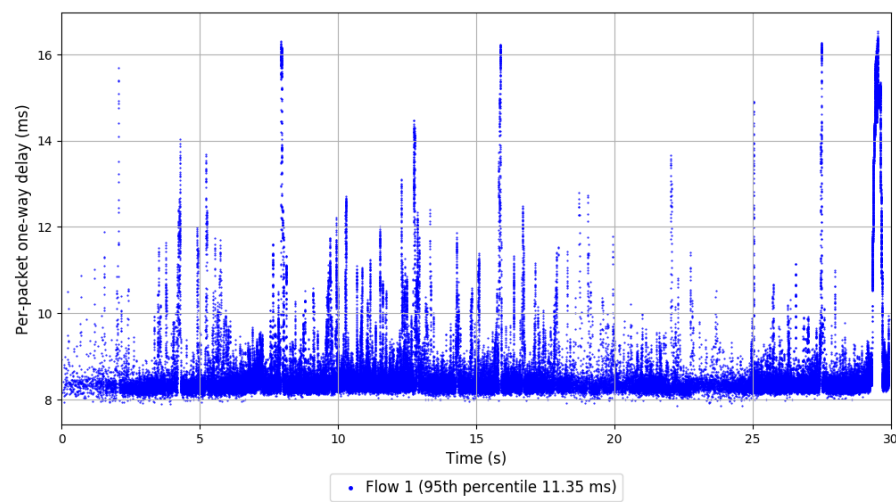
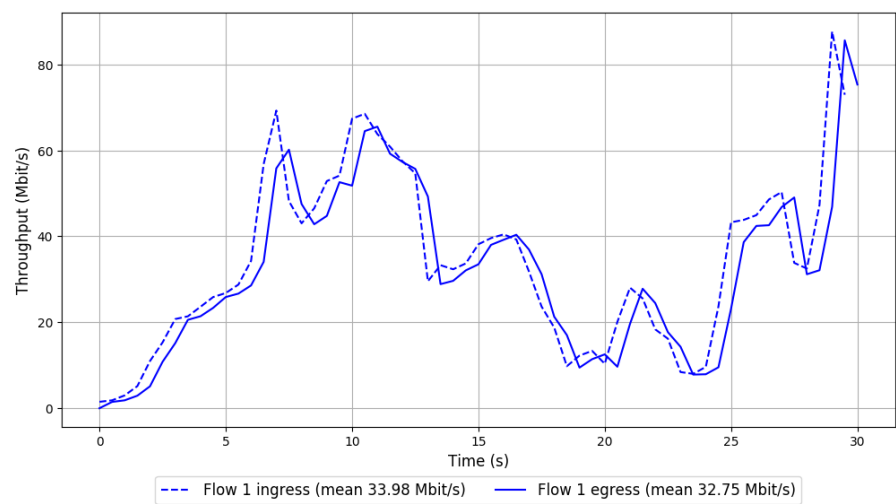


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 10:04:43
End at: 2018-07-17 10:05:13
Local clock offset: -5.308 ms
Remote clock offset: -5.094 ms

Below is generated by plot.py at 2018-07-17 12:29:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 11.351 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 11.351 ms
Loss rate: 3.60%

Run 4: Report of PCC-Vivace — Data Link

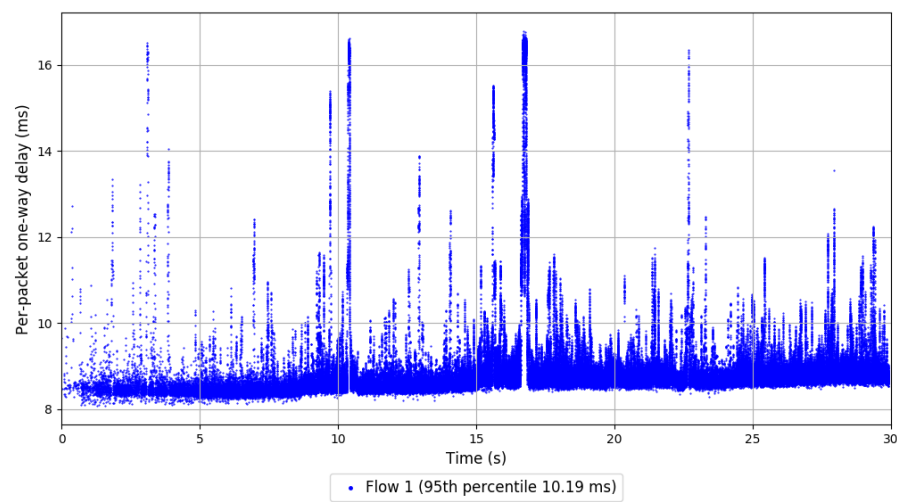
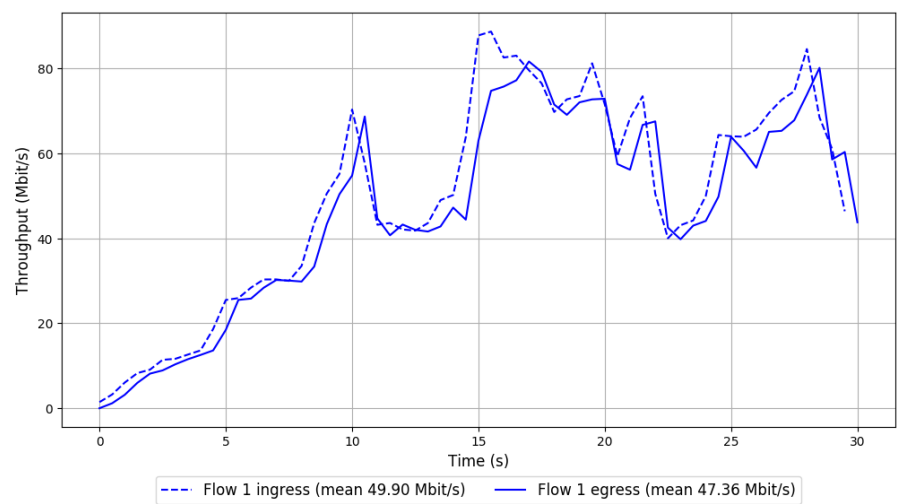


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 10:24:19
End at: 2018-07-17 10:24:49
Local clock offset: -4.761 ms
Remote clock offset: -10.617 ms

Below is generated by plot.py at 2018-07-17 12:29:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 10.191 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 10.191 ms
Loss rate: 5.09%

Run 5: Report of PCC-Vivace — Data Link

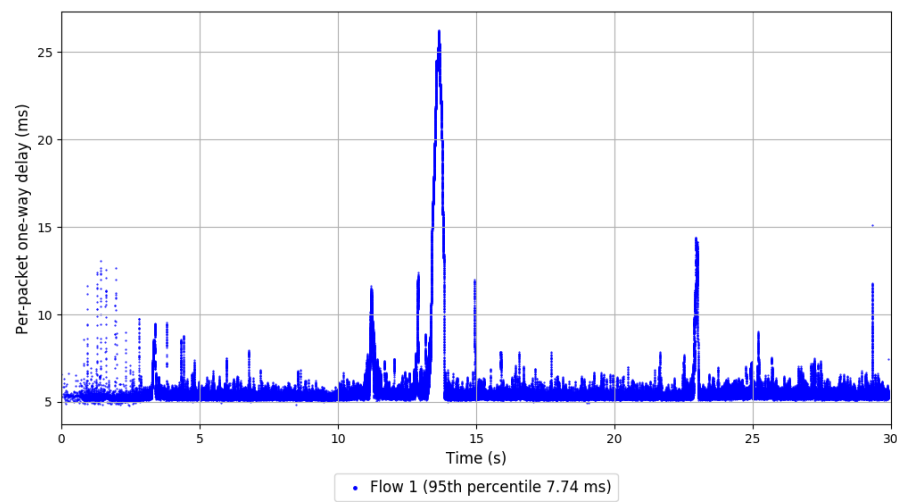
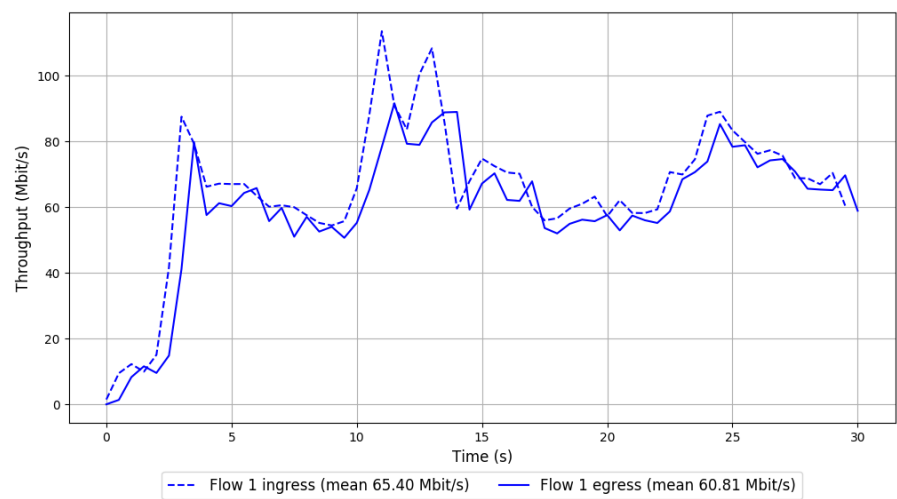


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 10:44:01
End at: 2018-07-17 10:44:31
Local clock offset: -8.282 ms
Remote clock offset: -18.992 ms

Below is generated by plot.py at 2018-07-17 12:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 7.736 ms
Loss rate: 7.02%
-- Flow 1:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 7.736 ms
Loss rate: 7.02%

Run 6: Report of PCC-Vivace — Data Link

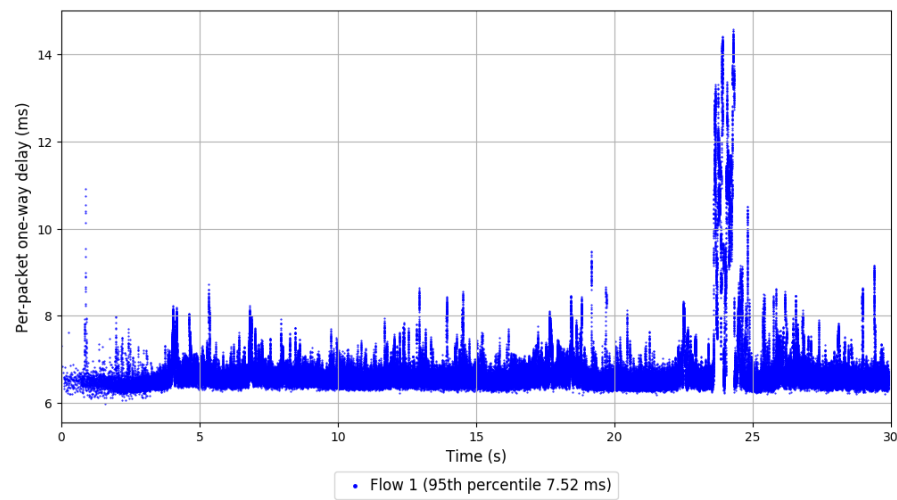
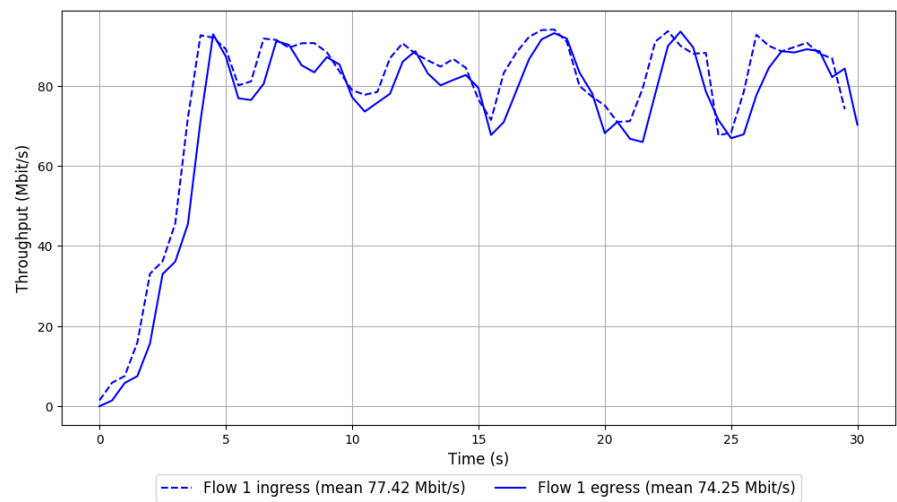


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 11:03:42
End at: 2018-07-17 11:04:12
Local clock offset: -6.84 ms
Remote clock offset: -13.977 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 7.518 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 7.518 ms
Loss rate: 4.10%

Run 7: Report of PCC-Vivace — Data Link

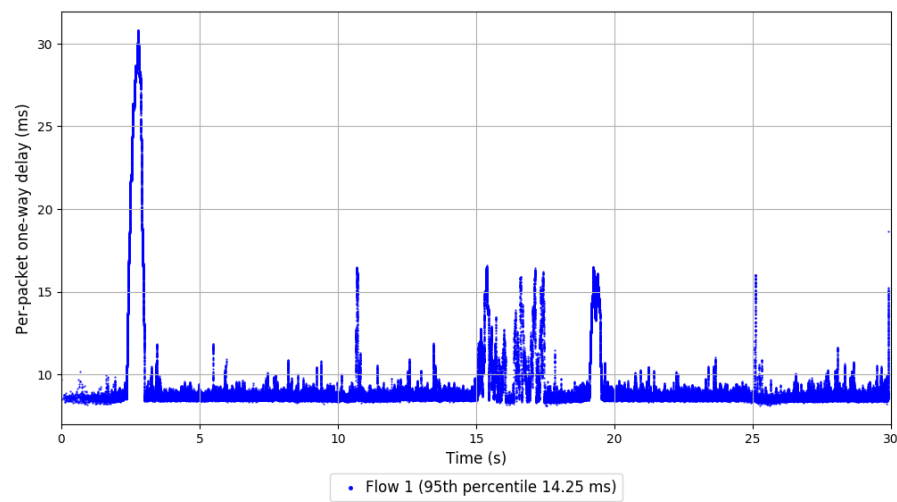
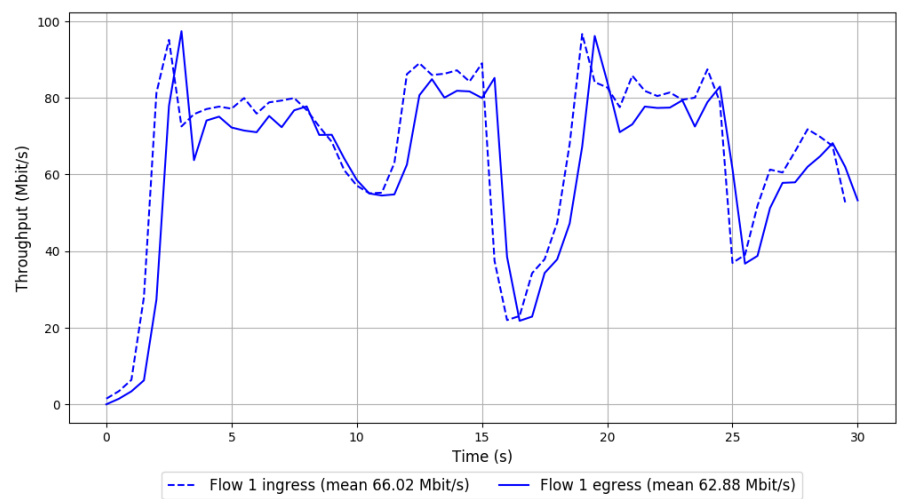


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 11:23:36
End at: 2018-07-17 11:24:06
Local clock offset: -9.058 ms
Remote clock offset: -12.745 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.88 Mbit/s
95th percentile per-packet one-way delay: 14.254 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 62.88 Mbit/s
95th percentile per-packet one-way delay: 14.254 ms
Loss rate: 4.76%

Run 8: Report of PCC-Vivace — Data Link

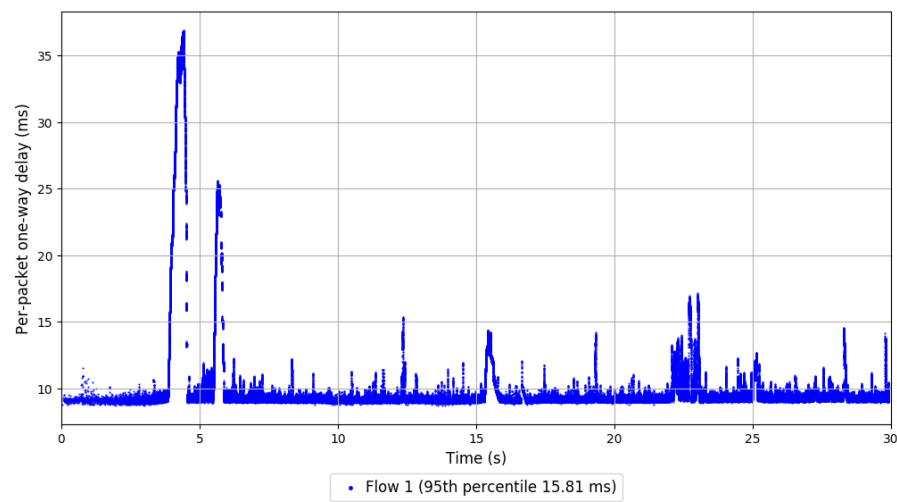
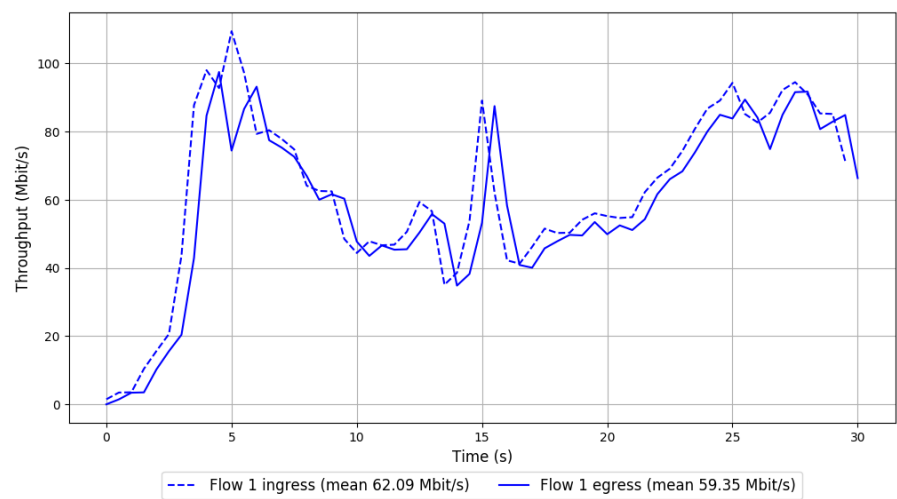


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 11:43:52
End at: 2018-07-17 11:44:22
Local clock offset: -6.784 ms
Remote clock offset: -8.276 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 15.815 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 15.815 ms
Loss rate: 4.42%

Run 9: Report of PCC-Vivace — Data Link

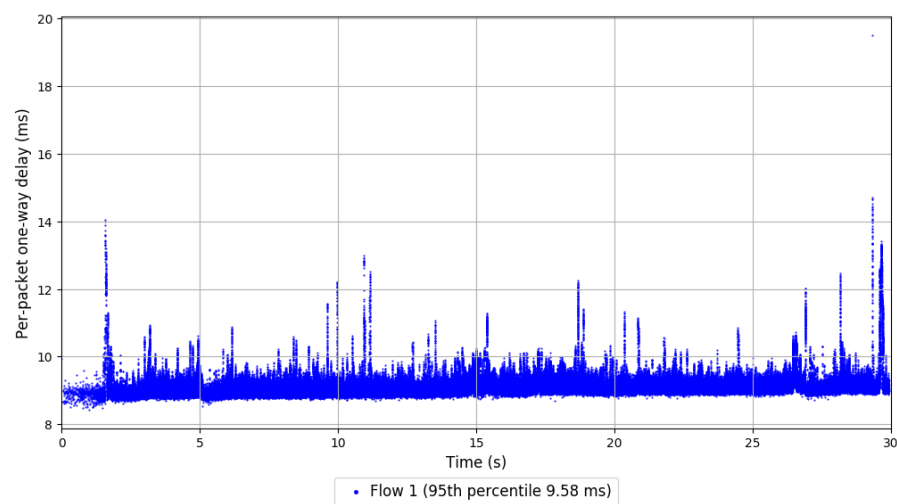
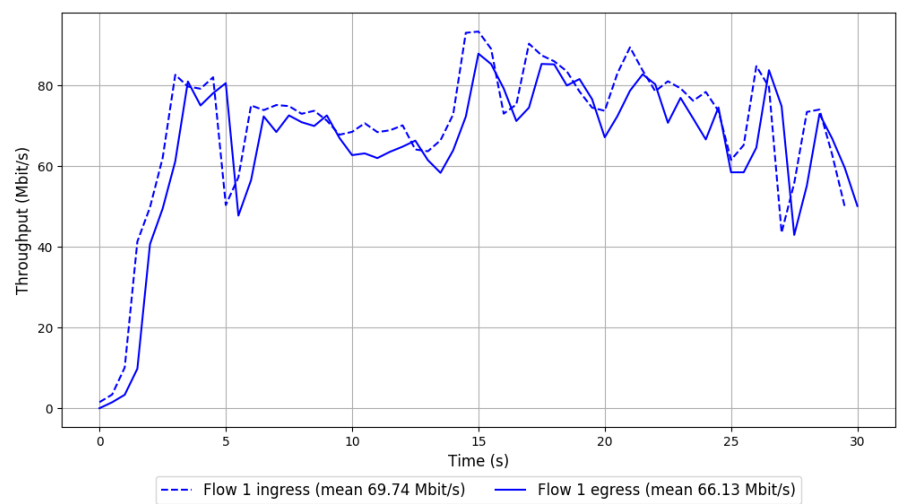


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 12:03:50
End at: 2018-07-17 12:04:20
Local clock offset: -0.976 ms
Remote clock offset: -6.413 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 9.583 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 9.583 ms
Loss rate: 5.17%

Run 10: Report of PCC-Vivace — Data Link

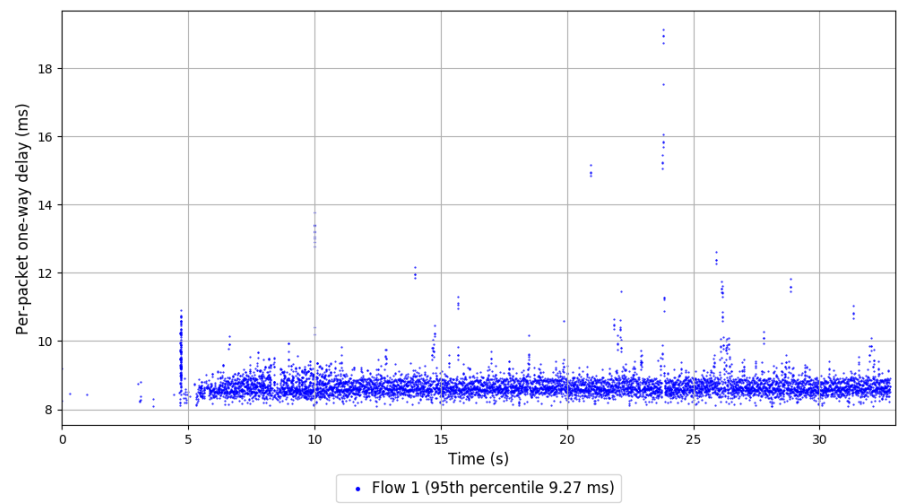
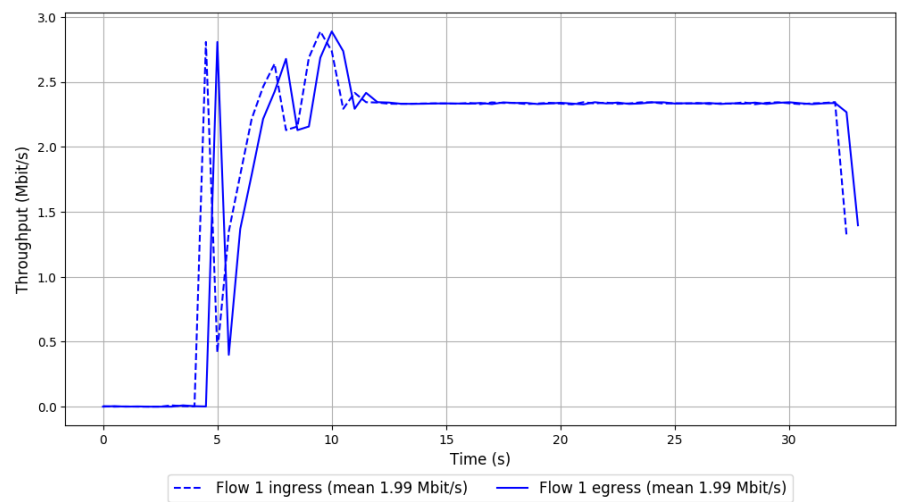


Run 1: Statistics of WebRTC media

Start at: 2018-07-17 09:09:25
End at: 2018-07-17 09:09:55
Local clock offset: -2.888 ms
Remote clock offset: -9.511 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 9.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 9.269 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

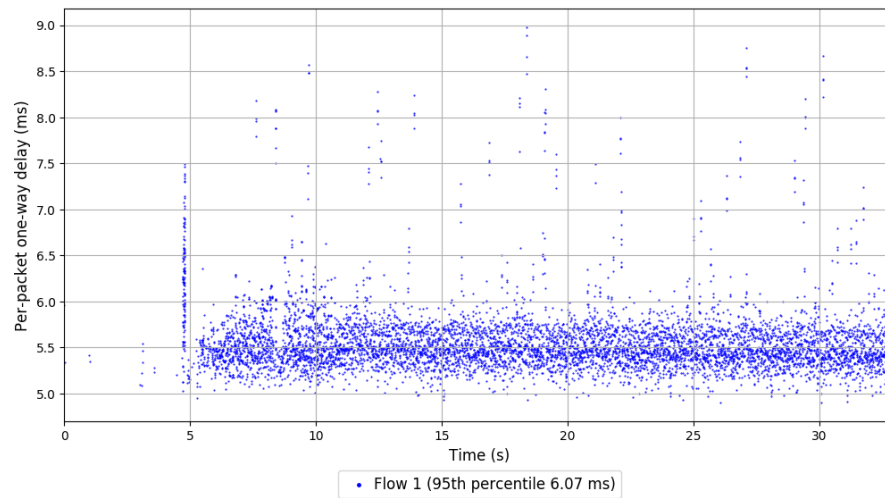
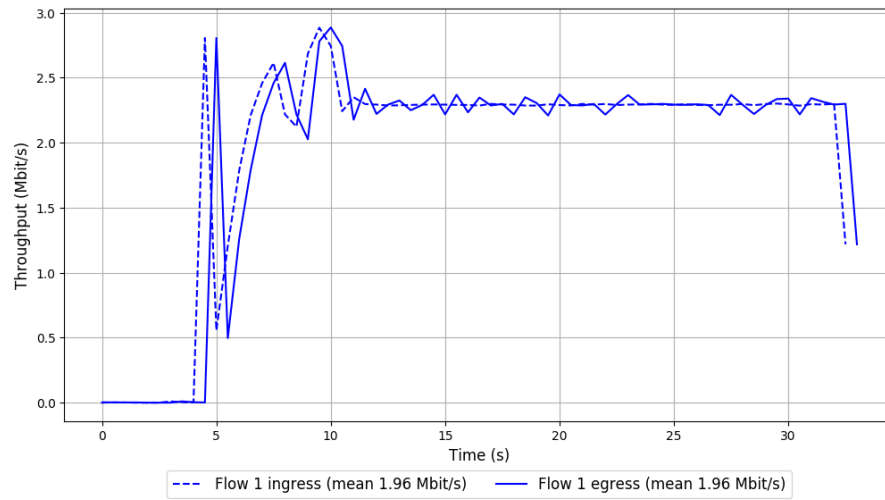


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 09:28:51
End at: 2018-07-17 09:29:21
Local clock offset: -4.715 ms
Remote clock offset: -13.367 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 6.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 6.068 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

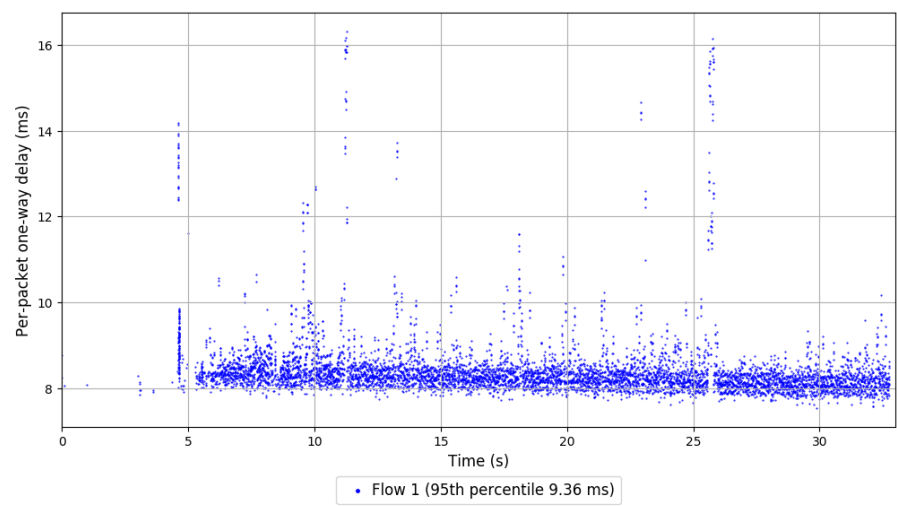
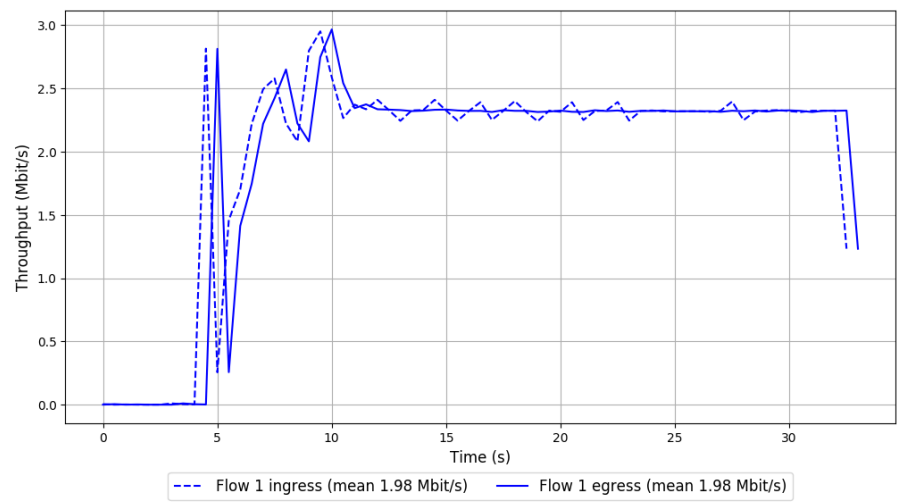


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 09:48:25
End at: 2018-07-17 09:48:55
Local clock offset: -9.586 ms
Remote clock offset: -9.792 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 9.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 9.356 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

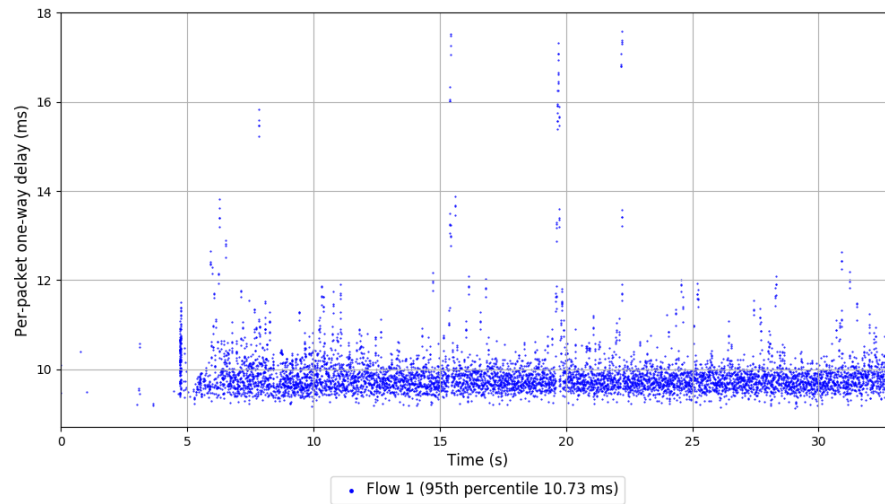
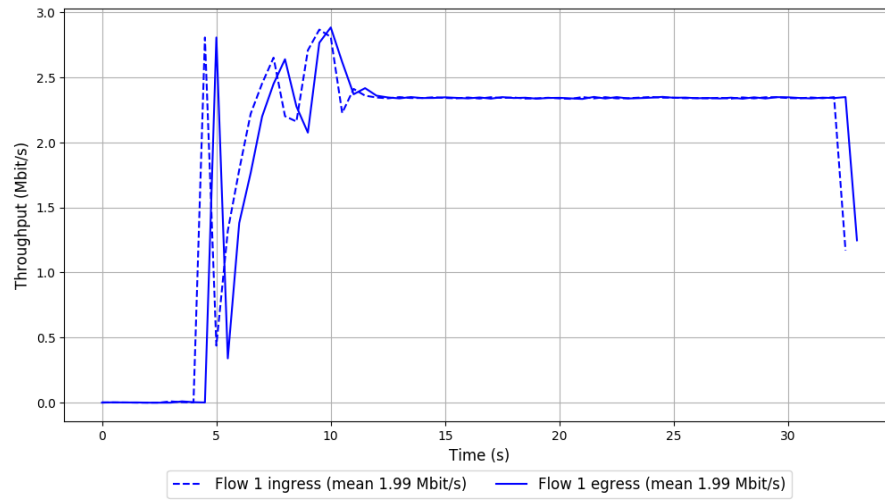


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 10:08:03
End at: 2018-07-17 10:08:33
Local clock offset: -6.777 ms
Remote clock offset: -5.382 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 10.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 10.730 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

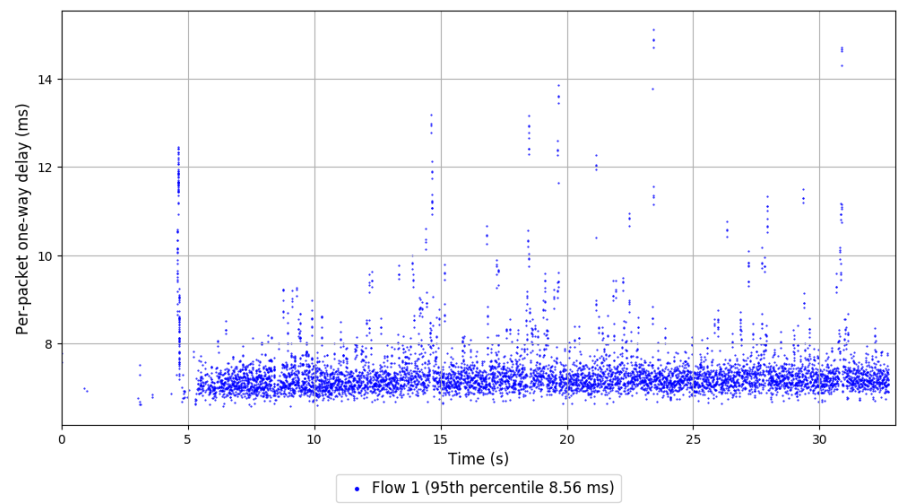
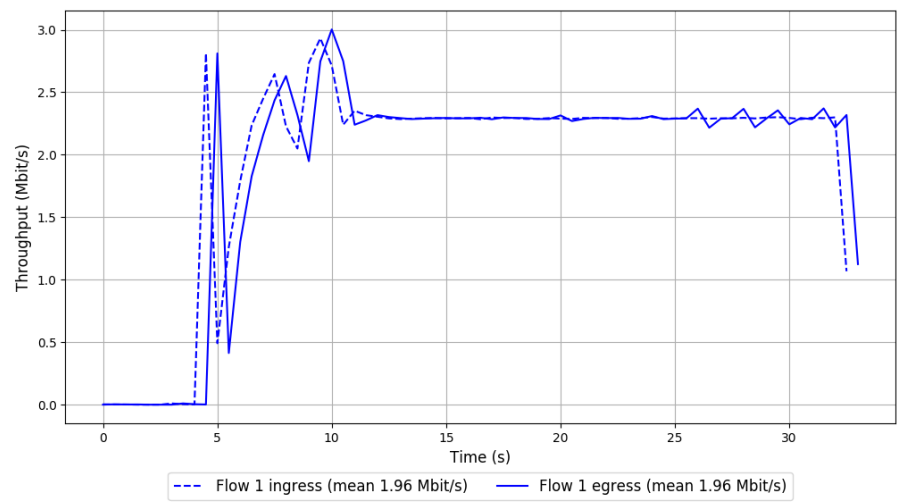


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 10:27:38
End at: 2018-07-17 10:28:08
Local clock offset: -4.458 ms
Remote clock offset: -12.997 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 8.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 8.562 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

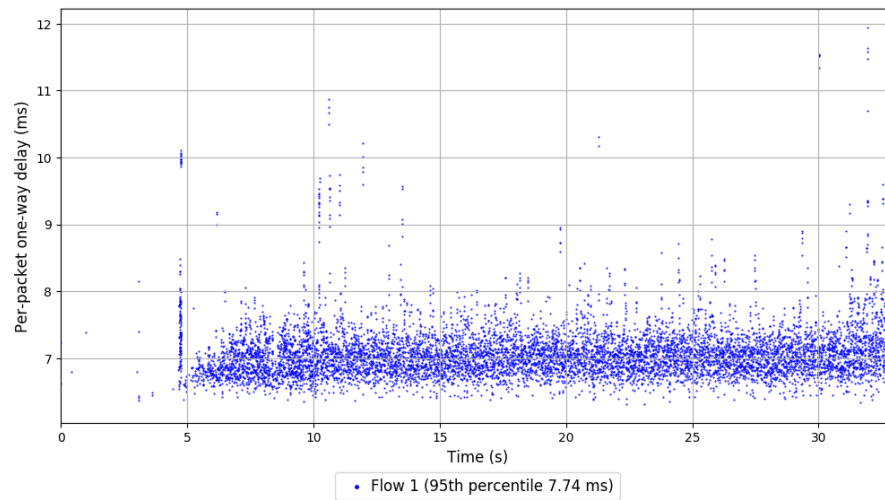
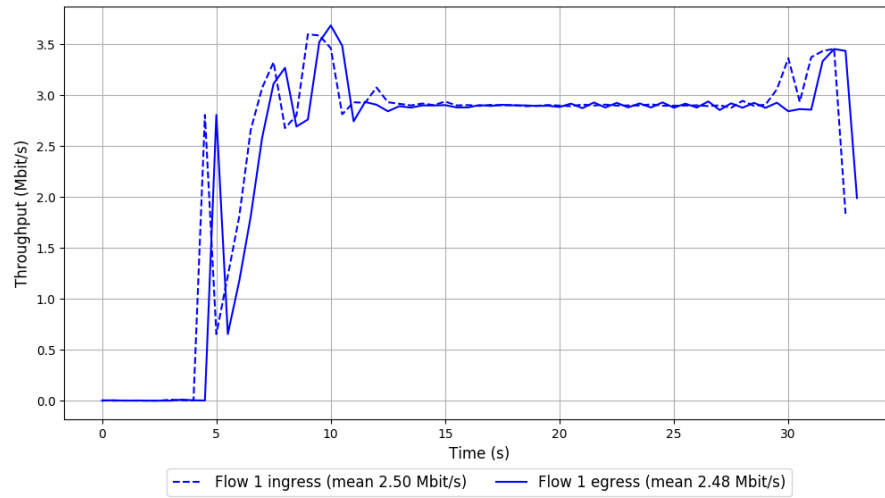


Run 6: Statistics of WebRTC media

Start at: 2018-07-17 10:47:29
End at: 2018-07-17 10:47:59
Local clock offset: -8.139 ms
Remote clock offset: -19.271 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 7.737 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 7.737 ms
Loss rate: 0.80%

Run 6: Report of WebRTC media — Data Link

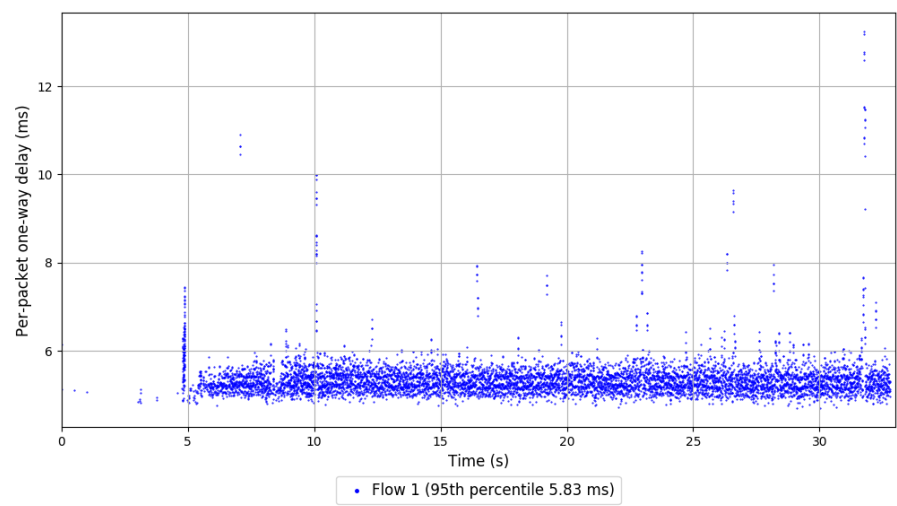
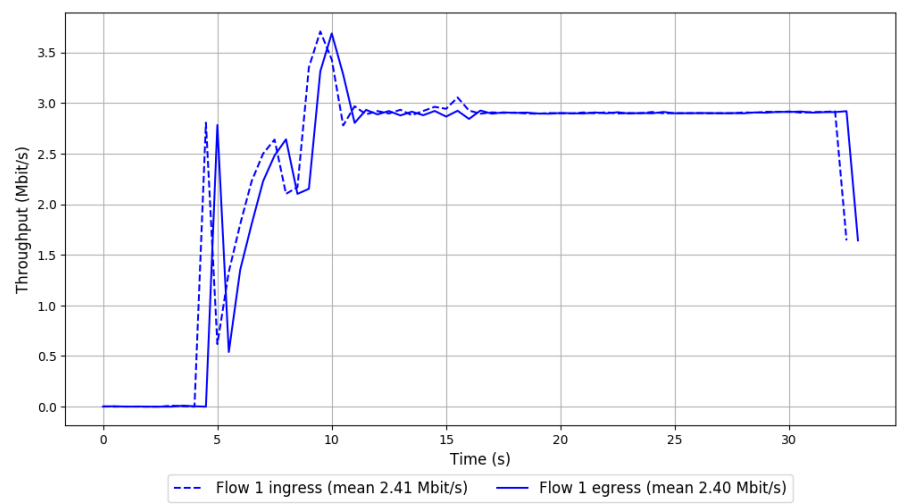


Run 7: Statistics of WebRTC media

Start at: 2018-07-17 11:07:11
End at: 2018-07-17 11:07:41
Local clock offset: -5.985 ms
Remote clock offset: -14.037 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 5.831 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 5.831 ms
Loss rate: 0.44%

Run 7: Report of WebRTC media — Data Link

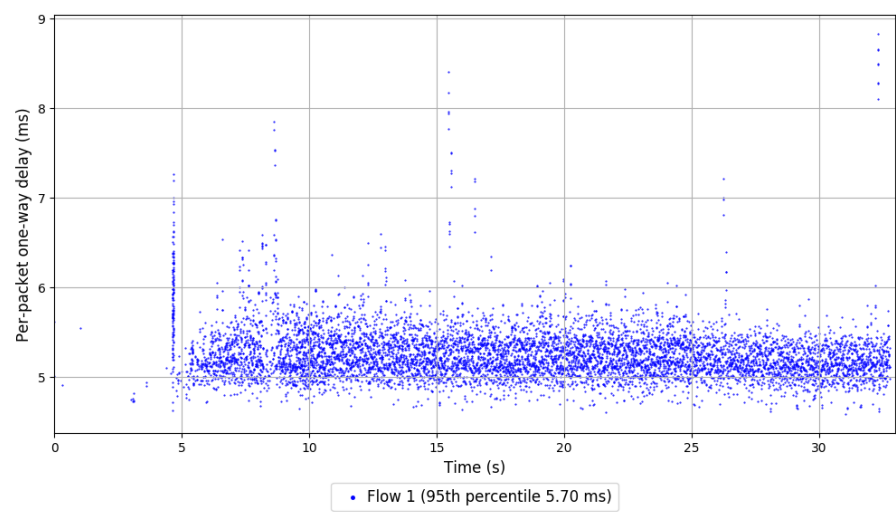
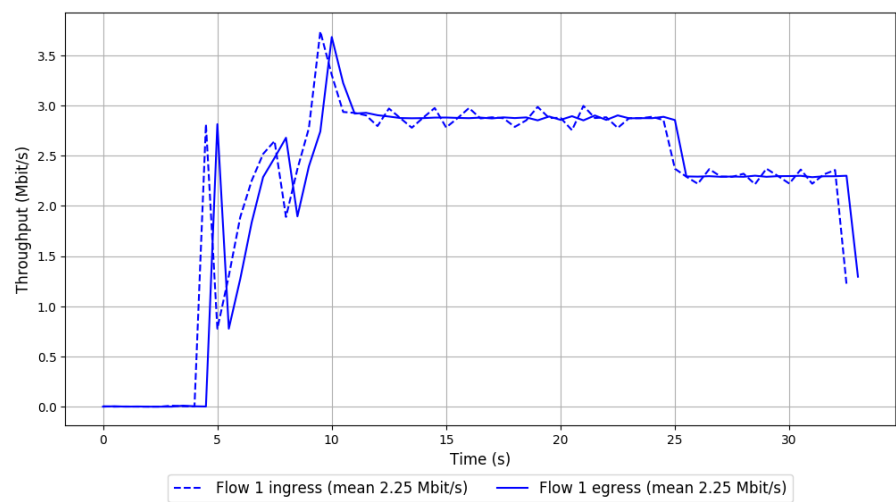


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 11:27:08
End at: 2018-07-17 11:27:38
Local clock offset: -6.839 ms
Remote clock offset: -12.32 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 5.704 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 5.704 ms
Loss rate: 0.09%

Run 8: Report of WebRTC media — Data Link

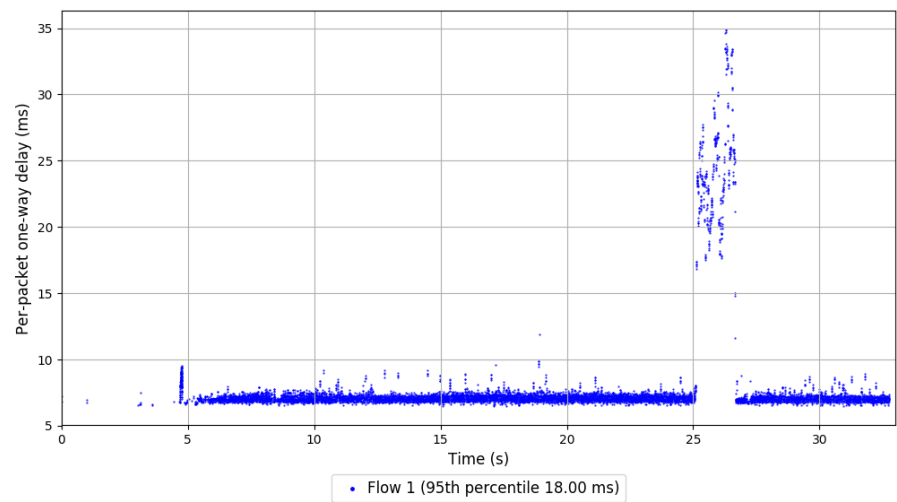
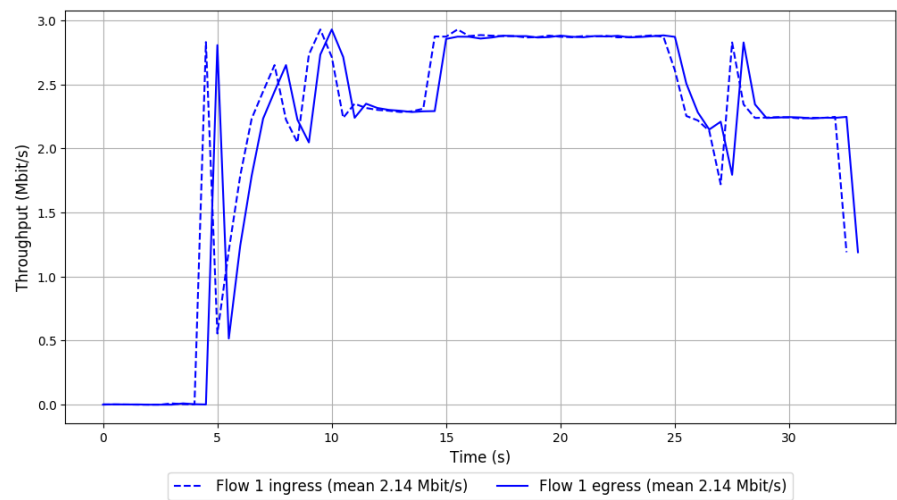


Run 9: Statistics of WebRTC media

Start at: 2018-07-17 11:47:17
End at: 2018-07-17 11:47:47
Local clock offset: -7.612 ms
Remote clock offset: -8.693 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 17.999 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 17.999 ms
Loss rate: 0.11%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 12:07:13
End at: 2018-07-17 12:07:43
Local clock offset: -4.971 ms
Remote clock offset: -13.901 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.463 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.463 ms
Loss rate: 2.39%

Run 10: Report of WebRTC media — Data Link

